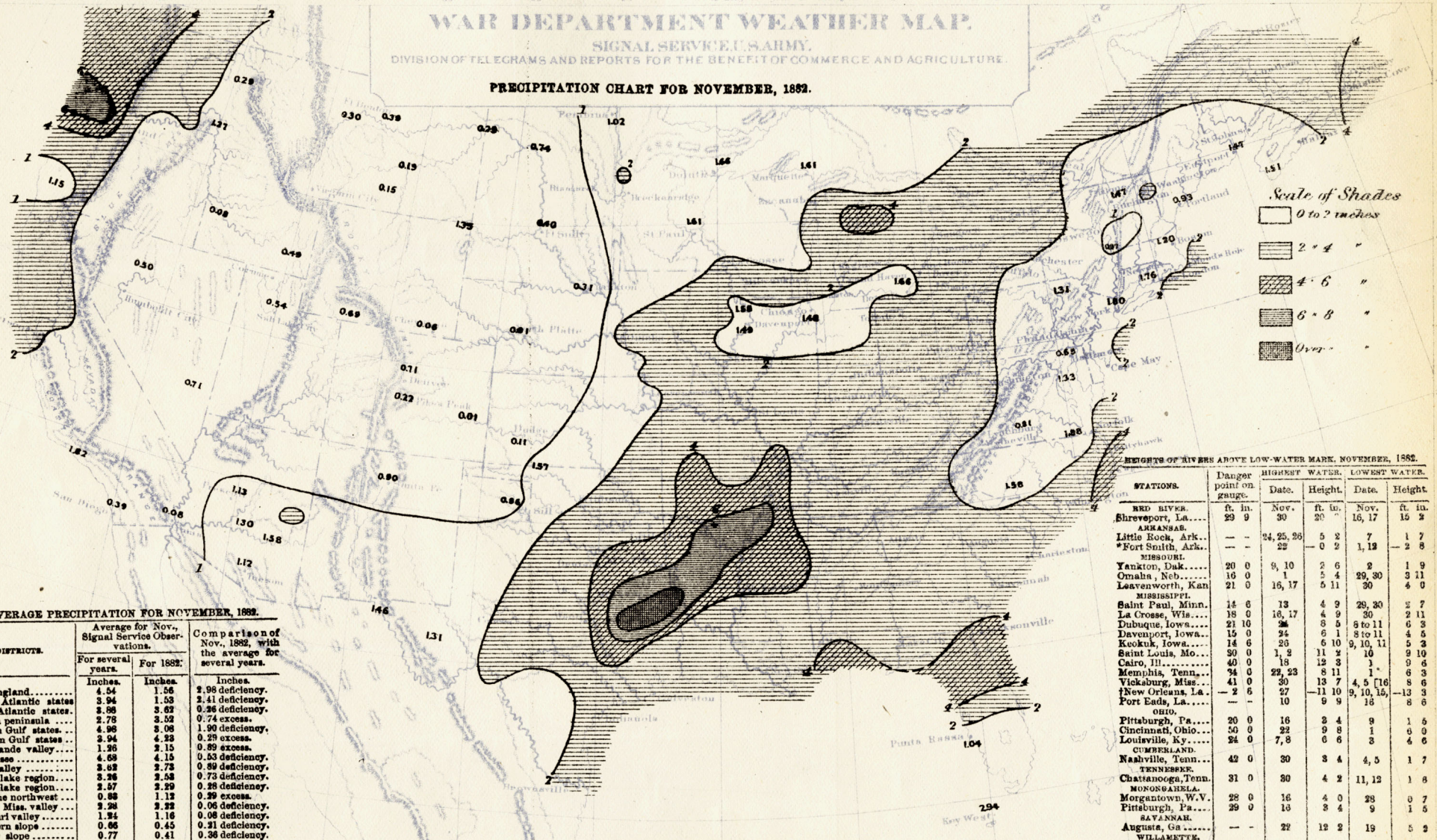
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE U.S. ARMY.

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

PRECIPITATION CHART FOR NOVEMBER, 1882.



AVERAGE PRECIPITATION FOR NOVEMBER, 1882.

DISTRICTS.	Average for Nov., Signal Service Observations. For several years.	For 1882.	Comparison of Nov., 1882, with the average for several years.
	Inches.	Inches.	Inches.
New England	4.54	1.56	2.98 deficiency.
Middle Atlantic states	3.94	1.53	2.41 deficiency.
South Atlantic states	3.88	3.62	0.26 deficiency.
Florida peninsula	2.78	3.52	0.74 excess.
Eastern Gulf states	4.98	3.08	1.90 deficiency.
Western Gulf states	3.94	4.23	0.29 excess.
Rio Grande valley	1.26	2.15	0.89 excess.
Tennessee	4.68	4.15	0.53 deficiency.
Ohio valley	3.62	2.73	0.89 deficiency.
Lower lake region	3.26	2.53	0.73 deficiency.
Upper lake region	2.57	2.29	0.28 deficiency.
Extreme northwest	0.83	1.12	0.29 excess.
Upper Miss. valley	2.28	2.22	0.06 deficiency.
Missouri valley	1.24	1.16	0.08 deficiency.
Northern slope	0.66	0.45	0.21 deficiency.
Middle slope	0.77	0.41	0.36 deficiency.
Southern slope	1.12	2.46	1.34 excess.
Northern plateau	1.14	0.46	0.68 deficiency.
Middle plateau	0.82	0.58	0.24 deficiency.
Southern plateau	0.50	1.16	0.66 excess.
North Pacific coast	7.06	4.68	2.38 deficiency.
Middle Pacific coast	2.03	4.16	2.13 excess.
South Pacific coast	0.73	0.78	0.05 excess.
Mt. Washington, N. H	7.07	3.25	3.82 deficiency.
Pike's Peak, Col.	2.53	0.22	2.31 deficiency.

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W. B. Hazen

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

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

STATIONS.	Danger point on gauge.	HIGHEST WATER. Date.	HIGHEST WATER. Height.	LOWEST WATER. Date.	LOWEST WATER. Height.
	ft. in.	Nov.	ft. in.	Nov.	ft. in.
RED RIVER.					
Shreveport, La.	29 9	30	20 [illegible]	16, 17	15 2
ARKANSAS.					
Little Rock, Ark.	— -	24, 25, 26	5 2	7	1 7
*Fort Smith, Ark.	— -	22	— 0 2	1, 12	— 2 8
MISSOURI.					
Yankton, Dak.	20 0	9, 10	2 6	2	1 9
Omaha, Neb.	16 0	1	5 4	29, 30	3 11
Leavenworth, Kan	21 0	16, 17	5 11	30	4 0
MISSISSIPPI.					
Saint Paul, Minn.	14 6	13	4 9	29, 30	2 7
La Crosse, Wis.	18 0	16, 17	4 9	30	2 11
Dubuque, Iowa	21 10	24	8 5	8 to 11	6 3
Davenport, Iowa	15 0	24	6 1	8 to 11	4 5
Keokuk, Iowa	14 6	26	6 10	9, 10, 11	5 3
Saint Louis, Mo.	30 0	1, 2	11 2	10	9 10
Cairo, Ill.	40 0	18	12 3	1	9 6
Memphis, Tenn.	34 0	22, 23	8 11	1	6 3
Vicksburg, Miss.	41 0	30	13 7	4, 5 [16	8 6
†New Orleans, La.	— 2 6	27	—11 10	9, 10, 15,	—13 3
Port Eads, La.	— -	10	9 9	16	8 6
OHIO.					
Pittsburgh, Pa.	20 0	16	3 4	9	1 5
Cincinnati, Ohio	50 0	22	9 8	1	0 0
Louisville, Ky.	24 0	7, 8	6 6	3	4 6
CUMBERLAND.					
Nashville, Tenn.	42 0	30	3 4	4, 5	1 7
TENNESSEE.					
Chattanooga, Tenn.	31 0	30	4 2	11, 12	1 8
MONONGAHELA.					
Morgantown, W.V.	28 0	16	4 0	28	0 7
Pittsburgh, Pa.	29 0	16	3 4	9	1 5
SAVANNAH.					
Augusta, Ga.	— -	22	12 2	19	5 2
WILLAMETTE.					
Portland, Or.	— -	7, 8	5 7	20	0 9
Umatilla, Or.	— -	1	4 6	30	2 8
SACRAMENTO.					
Red Bluff, Cal.	— -	3	8 6	.....	1 1
Sacramento, Cal.	— -	5	13 1	2	7 8
MOBILE.					
Mobile, Ala.	— -	20	15 7	2, 3, 15	14 0

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