

Climatological Data for June, 1910.
DISTRICT No. 10, GREAT BASIN.

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GENERAL CLIMATOLOGICAL CONDITIONS.

In general, the weather during June was a continuance of the conditions which have prevailed in this district since the first of March. Very few pronounced storms passed over the Great Basin during the month and it was very dry, the precipitation being, for the most part, the result of local showers, and was insufficient to revive vegetation very materially. Unusually high temperatures prevailed during much of the month, nearly every station reporting mean temperature above normal.

TEMPERATURE.

The temperature for the district, as a whole, was 64.9°, which is about 1.8° above normal. Every station except 10 reported means above normal. The mean temperature ranged from 81.4° at Jean in the southern portion of Nevada to 52.0° at Tahoe, Cal. The greatest plus departure from the mean temperature was 9.1° at Provo, Utah, whose mean was 73.0°. The greatest minus departure was 4.7° at Potts, Nev., whose mean temperature was 59.8°. The highest mean temperatures occurred in the valleys of Utah and in southern Nevada; the lowest in southeast Oregon and in the elevated portions of eastern California.

The month opened warm in all portions of the district, many stations reporting very high temperatures on the 1st. At Provo, Utah, 108° was recorded on the 1st, but the highest at that station, and for the district, was 110° on the 11th. At many stations a decided fall in temperature was experienced on the 2d, the cool weather continuing, however, only a few days. In the eastern half of the district the lowest temperatures for the month were generally recorded on the 2d and 3d. From the 6th to the 25th the temperature averaged only slightly above normal for the whole district, but varied greatly in the different States. While some quite low minimum temperatures were observed, the afternoons were, as a rule, quite warm. The last 5 or 6 days of the month were very warm, the highest

temperatures for the month being observed at most stations on the 26th and 27th.

PRECIPITATION.

June is normally a dry month, but the average for the present month, 0.12 inch, which is 0.46 inch below the normal, places June, 1910, as one of the driest on record. There were 50 stations reporting less than 0.01 inch of rain, while the largest amount reported was 1.61 inch at Frisco, Utah, which is 1.37 inch above normal. Frisco was the only station reporting precipitation above normal.

Rainfall was generally heaviest in the Sevier Valley and in the southeastern portion of Oregon, and very deficient elsewhere. The showers occurred for the most part during the middle of the month and on or about the 28th. The greatest 24-hour amount reported was 1.45 inch at Frisco, Utah, on the 29th.

MISCELLANEOUS PHENOMENA.

Sunshine was abundant, the amount at Salt Lake City, Utah, being 87 per cent of the possible.

For the district there was an average of 22 clear, 5 partly cloudy, and 3 cloudy days.

NOTES.

Mr. J. L. Lytel, project engineer, reported that 455 linear feet of the Strawberry Tunnel were excavated from the west portal with three shifts during June; that the weather has been very dry in that vicinity, and unless rain falls within the next few weeks, the pasture on the range will be badly dried up.

Mr. S. W. Western, cooperative observer at Deseret, Utah, writes: "June was very warm and dry, high winds prevailed most of the month, the ranges are dried up, and feed for stock is poor."

Mr. J. W. Henry, cooperative observer at Marysvale, Utah, says that the past June was the hottest in 10 years, and that irrigation water is getting low.

TABLE 1.—Climatological data for June, 1910. District No. 10, Great Basin.

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall unmelting, Number of rainy days, Number of clear days, Number of partly cloudy days, Number of cloudy days), Prevailing wind direction, Observers.

TABLE 1.—Climatological data for June, 1910. District No. 10—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.			Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Number of clear days.			Number of partly cloudy days.	Number of cloudy days.
<i>Nevada—Cont'd.</i>																				
Fallon	Churchill	3,965	5	66.8	+ 2.2	101	26	40	21†	54	0.10	- 0.11	0.10	0.0	1	27	0	3	w.	U. S. Reclamation Service.
Fernley	Lyon	4,200	2	69.2	+ 2.4	99	26	43	12‡	45	0.15	0.00	0.15	0.0	1	20	6	4	w.	Mrs. A. J. Rankin.
Gardnerville	Douglas	4,830	10																	Wm. Dangberg.
Geyser	Lincoln		5																	Mrs. J. F. Wambolt.
Glenbrook	Douglas																			C. C. Henningsen.
Golconda	Humboldt	4,697	31	65.6	- 1.7	98	14	38	3†	52	T.	- 0.42	T.	0.0	0	25	2	3	sw.	Southern Pacific Co
Halleck	Elko	5,631	17			99	1				0.65	- 0.57	0.05	0.0	1	28	1	1	sw.	Do.
Jean	Clark	2,074	2	81.4		108	1	51	15	50	0.00		0.00	0.0	0					Salt Lake Route.
Leetville	Churchill	4,020	3	64.8		98	26	39	21	45	0.10		0.10	0.0	1	28	1	1	w.	U. S. Reclamation Service.
Lewers Ranch	Washoe	5,500	22	60.7	+ 0.6	93	25	33	21	48	T.	- 0.34	T.	0.0	0	10	19	1		Ross Lewers.
Lovelock	Humboldt	3,977	7																	J. S. Case.
McAfees Ranch	Esmeralda	4,835	6	64.2		101	26	30	21	61	0.00		0.00	0.0	0	15	6	9	n.	C. H. Rodenkirch.
Millett	Nye		2	63.2		95	11	35	22	52	0.00		0.00	0.0	0	24	5	1	w.	Fred J. Jones.
Mina	Esmeralda	4,800	3	72.7		102	1	44	21	49	T.		T.	0.0	0	18	9	3	sw.	Southern Pacific Co.
Mount Rose Ranch	Washoe			58.6		88	26	32	21	37	0.30		0.30	0.0	1	25	3	2	sw.	Fred Elkins.
Palmetto	Esmeralda	6,750	20																	Isaac McConnell.
Potts	Nye	6,990	17	59.8	- 4.7	94	25	30	22	57	T.	- 0.17	T.	0.0	0	13	9	8	n.	Miss Mamie Potts.
Quinn River Ranch	Humboldt	4,850	8	61.0		96	26	28	9	61	0.07		0.07	0.0	1	23	6	1	w.	F. M. Payne.
Reno	Washoe	4,532	39	63.8	+ 1.3	96	26	37	21	44	0.05	- 0.22	0.05	0.0	1	25	4	1	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	3	68.1		94	1	42	21	41	0.11		0.10	0.0	2	33	7	0	w.	U. S. Reclamation Service.
Tecoma	Elko	4,812	32	62.6	- 1.2	98	27	23	2	61	T.	- 0.67	T.	0.0	0	15	12	3	n.	Southern Pacific Co.
Tonopah	Nye	6,090	3	67.7		89	1	43	21	33	0.00		0.00	0.0	0	25	5	0	w.	U. S. Weather Bureau.
Wabuska	Lyon	4,347	7					30	20†				0.00	0.0	0	20	0	10	w.	J. G. Young.
Wells	Elko	5,631	38	66.3		93	27	33	1†	51	0.00		0.00	0.0	0				s.	Southern Pacific Co.
Winnemucca	Humboldt	4,432	31	64.0	+ 0.7	97	26	38	23	48	0.09	- 0.55	0.09	0.0	1	23	5	2	sw.	U. S. Weather Bureau.

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
 * Precipitation included in that of the next measurement.
 † Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
 ‡ Also on other dates.
 § Separate dates of falls not recorded.
 ¶ Data are from standard instruments not supplied by the U. S. Weather Bureau.
 ** Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
 †† Estimated by observer.
 ††† Precipitation for the 24 hours ending on the morning when it is measured.
 T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for June, 1910. District No. 10—Continued.

Stations.	River basins.	Day of month.																														Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	
<i>Nevada.</i>																																		
Aurora	East Walker																																	
Austin	Reese																																	
Battle Mountain	Humboldt																																	
Beowawe	do																																	
Buckskin	Walker																																	
Carlin	Humboldt																																	
Carson Dam	Carson																																	
Cherry Creek	Humboldt																																	
Clover Valley	do																																	
Cobre	do																																	
Columbia	Desert																																	
Dutton	Humboldt																																	
Elko	do																																	
Ely	do																																	
Eureka	do																																	
Fallon	Carson																																	
Fernley	Truckee																																	
Gardnerville	Carson																																	
Geyser	Humboldt																																	
Glenbrook	Truckee																																	
Gonzo	Humboldt																																	
Halleck	do																																	
Jean	Desert																																	
Lestville	Carson																																	
Lewers Ranch	Truckee																																	
Lovelock	Humboldt																																	
McAfees Ranch	Desert																																	
Millet	Reese																																	
Mina	Desert																																	
Mount Rose Ranch	Truckee																																	
North Fork	Humboldt																																	
Palmetto	Desert																																	
Paradise Valley	Little Humboldt																																	
Potts	Reese																																	
Quinn River Ranch	Humboldt																																	
Reno	Truckee																																	
Rose Creek	Humboldt																																	
Smith	West Walker																																	
Spooners Ranch	Truckee																																	
Soda Lake	Carson																																	
Sweetwater	East Walker																																	
Tecoma	Humboldt																																	
Tonopah	Desert																																	
Wabuska	Walker																																	
Wells	Humboldt																																	
Willow Point	Little Humboldt																																	
Winnemucca	Humboldt																																	

