CLIMATOLOGICAL DATA FOR JUNE, 1911.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

The first month of the summer was very pleasant, and favorable to vegetation and stock raising. The temperatures were about normal, both in regard to extremes and means, and the rainfall for the district was about one-fourth inch above the normal amount.

There was an unusual number of thunderstorms, and hail was reported at several stations in Nevada.

The average number of rainy days was 5, clear days 15, partly cloudy days 10, and cloudy days 5.

TEMPERATURE.

Temperature conditions were not at all uniform over the district during June. While the temperature for the district averaged practically normal, there were wide local variations.

The highest monthly means occurred in the northwestern part of the Utah area and in southern Nevada; while the lowest occurred usually at the mountain stations of Utah and in the Oregon area.

The highest monthly mean temperature was 70.5° at Mount Nebo, Utah, being closely followed by 70.4° at Iosepa, Utah, and 70° at Mina, Nev. It is very likely that higher mean temperatures than those just cited occurred in southern Nevada, but no reports were received from that portion of Nevada this month. The lowest monthly mean temperature was 51.5° at Tahoe, Cal.

While the mean temperature for the whole district was nearly normal, there were wide departures at individual stations. The greatest plus departures was 7° at Truckee, Cal., the next greatest being + 4.9° at Mount Nebo, Utah. The greatest deficiency was 7.9° at Kelton, Utah.

The month opened with nearly normal temperatures over the whole district, and continued remarkably steady for the whole month. There were two periods of warmer weather, from the 10th to the 14th and from the 25th to the 29th. The highest temperatures occurred, as a rule, on the 12th, the highest reported being 104° at Corinne, Utah, on that date, although a like temperature occurred at Iosepa, Utah, on the 22d.

The coolest portion of the month extended from the 1st to the 9th, and the majority of stations reported their lowest temperatures during that period. The lowest was 15° at Cliff, Cal., on the 4th, the next lowest being 20° at Geyser, Nev., on the 1st.

The precipitation for March, April, and May, 1911, was below normal for this district, but during the present month the average rainfall was almost 1 inch, which was about 0.26 inch above normal. Good amounts fell over a large portion of the district, the heaviest, from 1 to 3 inches, having occurred in the Utah and Oregon areas, while locally quite large amounts, over 1 inch, fell in the Nevada area.

The largest monthly amount was 3.05 inches at Seneca, Oreg.; and none occurred at three stations.

In the Utah area, as a rule, the largest amount fell in the mountain districts, though a few of the heavier amounts occurred on the general Great Basin floor, near the mountains. Perhaps the most striking feature of the rainfall in the Utah area was the occurrence of good rains on Great Salt Lake and on the desert regions to the west of the lake. Farmington, Utah, where the precipitation is usually much heavier than at any of the surrounding stations, because of its peculiar topographic situation, received only 0.56 inch, or only about one-half of its June normal, while Grouse Creek, Kelton, Lemay, Lucin, Midlake, Promontory, and Saltair received unusually heavy rains, such as would be considered copious in the mountain districts, and occurring in the driest portion of the State are worthy of remark. While normals have not been established at all these places, it appears that the precipitation was in most cases more than double the June normal.

In the Nevada and Oregon areas the rain was quite uniformly distributed throughout the month, but in the other areas it fell at irregular intervals, the most marked rainy period being that from the 13th to the 22d. Other periods with rain were the 8–9th and the last four days of the month.

Three stations reported light snows.

TABLE 1.—*Climatological data for June, 1911. District No. 10, Great Basin.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Wyoming.																				
Border	Uinta	6,085	9	57.9	+ 2.8	87	11	31	2†	50	0.90	− 0.11	0.35	0	4	13	8	9	w.	S. W. Condron.
Cokeville	do	6,204	1	56.8[b]		86	13	28	10	51	0.99		0.28	0	7	27	1	2	w.	E. J. Tuckett.
Evanston	do	6,860	14	56.0	+ 1.7	84	11	31	2†	42	1.85	+ 0.90	0.86	0.5	9	12	11	7	sw.	Frank Tucker.
Idaho.																				
Geneva	Bear Lake		3								1.33		0.49	0	5	22	8	0		F. W. Boehme.
Grace	Bannock	5,400	5	61.4		91	12	34	5	46				0	6	10	12	8	s.	Harold Cole.
Paris	Bear Lake	5,946	16	57.0	+ 0.9	88	12	31	8	46	0.74	+ 0.04	0.32	0	4	20	8	2	sw.	John Norton.
Stone	Oneida	4,520	4																	Thos. W. Roe.
Weston	do	4,460	14	61.3	+ 0.8	89	12	33	5	48	1.42	+ 0.54	0.32	0	7	12	6	12	sw.	Wm. T. Chatterton.
Utah.																				
Alpine	Utah	4,900	14								0.23	− 0.56	0.12	0	3	17	9	4		T. F. Carlisle.
Beaver	Beaver	6,000	8	62.4		88	11	34	2	40	1.37		0.52	0	4	15	10	5	sw.	James Connell.
Black Rock	Millard	4,872	11	61.0		95	12†	28	3	61						29	0	1		Agent S. P. L. A.-S. L.
Burrville	Sevier		0	58.2[d]		86	11	33	9	45[g]	0.73		0.35	0	5					F. R. Curtis.
Castle Rock	Summit	6,244	8								1.87		0.40	0	11	8	15	7	w.	David Moore.
Cedar City	Iron	5,750	6	67.2[b]		89	11†	43	9†	38	0.64		0.29	0	5	18	6	6	sw.	Parley Dalley.
Center	Tooele	5,200	0	65.4[m]		93	27	37[m]	26	49[m]	0.92		0.42	0	6	3	25	2	s.	L. C. Peterson.
Clarkston	Cache		0								1.20		0.62	0	6					Wm. J. Griffiths.
Corinne	Boxelder	4,240	41	69.8	− 0.6	104	12	40	10	50	0.72	+ 0.12	0.30	0	4	12	9	9		A. C. Murphy.
Deseret	Millard	4,541	17	67.4	+ 2.8	94	12	37	2	45	0.10	− 0.33	0.05	0	2	16	4	10	s.	S. W. Western.
Enterprise	Washington	4,270	3								2.73		1.20	0	3	18	3	9	s.	John Day.
Fairfield	Utah	4,866	0								0.46		0.16	0	7	13	8	9	sw.	W. Harden Ashby.
Farmington	Davis	4,267	11	66.3	+ 2.7	93	12	41	24	42	0.56	− 0.49	0.25	0	6	23	4	3	sw.	Charles Boylin.
Fillmore	Millard	5,100	21	68.4	+ 1.1	102	12	41	10	54	1.15	+ 0.61	0.69	0	5					J. J. Starley.
Frisco	Beaver	7,318	17	61.1	− 7.1	95	12	39	2	51	0.85	+ 0.61	0.20	0	6					Essen Nordberg.
Garrison	Millard		8	65.4[e]		94	12	39	10	45	0.68		0.30	0	4	15[e]	1[e]	11[e]	s.	E. M. Smith.
Government Creek	Tooele	5,277	11	64.9	+ 2.7	90	11†	37	2	42	0.68	+ 0.01	0.30	0	6	7	9	14	n.	Walter James.
Grantsville	do		2								0.59		0.38	0	4	16	11	3	s.	Dr. J. C. Woodmansee.
Grouse Creek	Boxelder		1								2.17		0.93	0	9	8	10	12	sw.	Philip Paskett.
Heber	Wasatch	5,606	18	61.0	+ 2.2	92	12	32	2†	50	0.93	+ 0.34	0.22	0	6	16	9	5	s.	John Crook.
Henefer	Summit	5,301	12	60.6	+ 2.7	91	12	31	2†	49	1.28	+ 0.51	0.45	0	10	10	12	8	w.	Wm. Brewer.
Hooper	Weber		1								1.29		1.10	0	4					T. M. Jones, jr.
Ibapah (near)	Tooele	7,500	6	53.6		85	12	30	1†	41	1.72		1.00	3.0	5	17	10	3		J. S. Lawton.
Ibex	Millard		1																	John J. Watson.
International	Tooele	5,370	2								1.09		0.32	0	7	19	8	3	se.	I. S. and R. Co.
Iosepa	do		1	70.4		104	22	41	10	48	0.92		0.35	0	5	10	9	11	n.	Geo. K. Hubbell.
Kanosh	Millard	5,250	3								0.55		0.25	0	4					Geo. Crane.
Kelton	Boxelder	4,230	33	61.6	− 7.9	91	12	30	2	46	1.00	+ 0.61	0.50	0	3	1	22	7	n.	F. W. Klock.
Lemay	do	4,221	1	73.5		95	12	45	30	33	1.74		0.85	0	4	11	12	7	sw.	Agent S. P. Co.
Levan	Juab	5,010	21	65.3	+ 1.9	93	12	39	2	46	0.34	− 0.26	0.12	0	6	16	9	5	sw.	Wm. Brown.
Logan	Cache	4,507	20	64.2	+ 1.5	87	12	43	9†	32	0.29	− 0.57	0.06	0	7					Utah Experiment Station.
Lucin	Boxelder	4,504	7	66.0		98	12	38	8	47	1.40		0.75	0	4	2	27	1		C. J. Burke.
Lund	Iron		0	66.5[a]		96	12	33	2	51	0.63		0.40	0	3	14[a]	7[a]	8[a]		Job F. Hall.
Manti	Sanpete	5,575	17	58.2	− 6.9	82	27	33	3	33	0.68	+ 0.29	0.21	0	5	8	16	6		J. M. Anderson.
Maple Creek	Utah		0								0.85		0.28	0	6	13	14	3		L. W. Gillilan.
Marion	Summit	6,750	7								1.19		0.25	0	11	3	14	13	s.	Jas. Woolstenhulme.
Marysvale	Piute	6,281	12	62.0	+ 1.8	91	12	31	2	39	0.37	+ 0.04	0.16	0	6	8	6	16	s.	John W. Henry.
Meadowville	Rich	6,200	12	59.1	+ 3.9	85	12	34	10	43	1.18	+ 0.17	0.47	0	5	22	3	5	w.	J. S. Moffat.
Mercur	Tooele		0								0.68		0.23	0	6	2	26	2	w.	T. H. Franklin.
Midlake	Boxelder	4,225	0	69.4		82	18†	50	30	19	1.25		1.25	0	4	9	0	21		Agt. So. Pac. Co.
Milford	Beaver	4,962	7	65.8		96	12	35	2	54	0.61		0.40	0	3	9	7	14	sw.	Agt. S. P. L. A. & S. L. R. R.
Millville	Cache	4,848	16								0.71	− 0.21	0.23	0	7	4	22	4	n.	Fred Yeates.
Minersville	Beaver	5,070	14								0.39	+ 0.05	0.24	0	3					Geo. Roberts, sr.
Modena	Iron	5,479	11	62.7	− 0.5	89	12	36	2	41	0.73	+ 0.33	0.39	0	5	18	9	3	sw.	U. S. Weather Bureau.
Morgan	Morgan	4,280	8																	Dr. W. Visick.
Moroni	Sanpete	5,519	3	63.2[e]		87	12	39	2	37[e]	0.90		0.56	0	5	5[h]	6[h]	13[h]	sw.	B. F. Eliason.
Mount Nebo	Utah	4,650	10	70.5	+ 4.9	95	27	43	2	37	0.47	± 0.00	0.26	0	4	17	10	3	s.	D. C. Walkey.
Nephi (near)	Juab	6,059	8								0.76		0.43	0	6					S. Boswell.
Newcastle	Iron		1								1.33		1.27	0	2					T. W. Jones.
Oak City	Millard	4,900	7	67.8		93	12	42	1†	44						15	11	4		Peter Nielson.
Ogden	Weber	4,310	40	65.2	− 6.1	94	13	39	30	43	1.42	+ 0.73	0.89	0	10	21	6	3	s.	A. Van De Graaff.
Park City	Summit	7,800	14	60.3	+ 3.4	85	9†	30	21†	52	0.67	+ 0.05	0.41	0	4	17	10	3		Gertrude Evans.
Park Valley	Boxelder		1								1.71		0.75	0	7	23	2	5	sw.	Thos. Stirland.
Parowan	Iron	5,970	20	63.3	− 0.6	89	11	38	7	41	0.71	+ 0.51	0.39	0	6					Scott Matheson.
Payson	Utah	4,637	1								2.03		0.80	0	8	8	14	8	sw.	D. L. Coombs.
Pelican Point	do		0								0.43		0.11	0	5	18	1	11		B. M. Mendenhall.
Pinto	Washington	5,907	14	58.7	− 0.5	88	11	31	1†	52	0.74	+ 0.48	0.30	0	7	14	9	7	s.	J. H. Harrison.
Promontory	Boxelder	4,913	40								1.55	+ 1.04	0.80	0	2					F. C. Houghton.
Provo	Utah	4,532	19	66.0	+ 2.1	97	12	37	2†	52	2.65	+ 1.97	1.50	0	4	8	20	2	n.	James A. Oliver.
Randolph	Rich	6,442	8								1.20		0.72	0	6	22	4	4	sw.	Wm. Rex.
Revier	Salt Lake		0								0.68		0.16	0	7					E. L. Terry.
Richfield	Sevier	5,350	21	65.6	+ 2.4	99	12	35	2	54	0.93	+ 0.57	0.60	0	3	18	3	9		Joseph J. Jensen.
Saltair	Salt Lake	4,220	8	68.2		89	27	50	9	31	2.70		0.92	0	8					E. J. Berch.
Salt Lake City	do	4,360	39	67.6	− 0.7	93	12	44	9	32	0.45	− 0.32	0.14	0	7	10	13	7	nw.	U. S. Weather Bureau.
Scipio	Millard	5,260	16	61.6	− 1.5	92	12	32	2†	47	0.34	− 0.08	0.16	0	3	11	9	10	sw.	Thos. Memmott.
Silver City	Juab	6,127	1								0.61		0.24	0	5	15	12	3	sw.	J. L. Stark.
Spanish Fork	Utah	4,585	2	67.4		94	12	42	2†	44	1.62		0.84	0	6	14	15	1		U. S. Reclamation Service.
Strawberry Tunnel	do	7,650	5	56.6		87	11	31	9†	46	1.54		0.53	1.0	10	10	15	5		Do.
Thistle	do	5,075	19	61.4	− 1.5	96	29	28	2†	57	1.67	+ 1.12	0.60	0	5	11	11	8	s.	John Thorgenson.
Tooele	Tooele	4,900	15	65.8	+ 0.6	92	12	41	9	39	1.21	+ 0.45	0.50	0	8	3[a]	7[a]	19[a]	sw.	E. A. Bonelli.
Utah Lake Pumping Station.	Utah	4,500	6	67.0		99	23	38	28	46	0.29		0.23	0	4	20	6	4	n.	W. A. Knight.
Wendover	Tooele	4,237	0			98	25†				0.20		0.10	0	2	29	0	1	e.	C. J. Jackson.
Whiskey Creek	Millard	5,100	0																	T. B. Perkins.
Woodruff	Rich	6,500	13																	J. Sidney Pusey.
Oregon.																				
Burns	Harney	4,157	20																	J. C. Welcome, jr.
Cliff	Lake	4,300	4	55.1		89	11	15	4	53	1.78		1.13	0	7	6	16	8	n.	John C. Green.
Paisley	do	4,500	8	61.4		89	11	33	4†	37	1.83		0.55	0	9	19	10	1	w.	E. C. Woodward.
Silver Lake	do	4,700	14	57.4	+ 1.8	89	11	20	4	51	1.04	+ 0.05	0.35	0	8	4	25	1	n.	L. W. Charles.

TABLE 1.—*Climatological data for June, 1911. District No. 10*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, 0.01 inch or more.	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 clear days.	Number of partly cloudy days.	Number of cloudy days.		
California.																				
Glen Alpine	Eldorado	6,850	1								1.15		1.10	0	2	15	12	3	s.	Carl Fluegge.
Tahoe	Placer		1	51.5		76	18	38	23†	38	0.63		0.63	0	1	28	2	0	w.	R. M. Watson.
Truckee	Nevada	5,819	40	64.4	+ 7.0	86	12	40	23	33	T.	− .37	T.	0	0	0	28	2	se.	Southern Pacific Co.
Nevada.																				
Austin	Lander	6,594	22																	F. O. Booe.
Battle Mountain	do	4,843	40	63.0	− 3.8	96	16†	28	24	60	0.46	− 0.01	0.21	0	3	20	7	3	sw.	Southern Pacific Co.
Beowawe	Eureka	4,905	40																	Do.
Carlin	Elko	5,232	40	63.1	+ 0.4	99	11	30	8†	58	0.02	− 0.51	0.01	0	2	25	0	5	sw.	Do.
Carson Dam	Churchill	4,032	4	68.2		94	11	43	24	37	0.27		0.27	0	1	18	11	1	w.	U. S. Reclamation Service.
Cherry Creek	White Pine	6,450	3	61.3		91	12	36	9	40	2.17		1.05	0	9	12	13	5	w.	J. H. Leishman.
Clover Valley	Elko	6,000	11	59.2[c]	+ 0.4	93	12	29	10	52[c]	1.34	+ 0.75	0.50	0	9	8	19	3		I. F. Wiseman.
Cobre	do	5,917	2					26	26		1.12		1.00	0	2	22	0	8	sw	Southern Pacific Co.
Columbia	Esmeralda	5,750	4	66.1		92	12	38	1	38	0.88		0.64	0	4	19	8	3	se.	A. Booth.
Dutton	Elko	5,100	3	64.0		89	12†	38	8	35				0		9	13	8	n.	Golconda Cattle Co.
Elko	do	5,342	40	61.6	− 1.5	93	12	31	9	50				0		8	13	9	e.	E. J. Clark.
Eureka	Eureka	6,500	8	61.0		90	12	32	24	44	1.63		0.50	0	10	12	7	11	s.	Clay Simms.
Fallon	Churchill	3,965	6	67.0		95	11†	39	24	45	0.55		0.35	0	4	21	6	3	se.	U. S. Experiment Station.
Fernley	Lyon	4,200	38	66.6	− 0.2	94	11	36	24	47	0.38	+ 0.23	0.28	0	2	16	13	1	w.	Mrs. G. A. Steele.
Gardnerville	Douglas	4,830	11	63.6	+ 2.0	91	11	37	23	48	0.00	− 0.24	0.00	0	0	18	9	3	se.	Wm. Dangberg.
Geyser	Lincoln		7	57.0		90	10†	20	1	52	0.40			0		9	16	5	s.	Mrs. J. F. Wambolt.
Glenbrook	Douglas		2																	C. C. Henningsen.
Golconda	Humboldt	4,697	32	63.0	− 4.3	95	11	35	9	51	0.66	+ 0.24	0.20	0	4	19	9	2	nw.	Southern Pacific Co.
Halleck	Elko	5,631	18	60.4	− 1.3	95	12	32	24†	54[a]	2.30	+ 1.68	1.15	0	8					Do.
Jean	Clark	2,074	3			103[a]	11							0		25	1	4	sw.	Salt Lake Route.
Lewers' ranch	Washoe	5,500	23	59.8	− 0.3	86	27	34	24	43	0.40	+ 0.06	0.40	0	1	12	16	2		Ross Lewers.
Lovelocks	Humboldt	3,977	17	63.4	− 4.4	91	11	34	24	46	0.38	+ 0.33	0.15	0	4	16	13	1	s.	C. H. Allender.
Millett	Nye		3	61.4		92	12	28	1	47	0.17		0.12	0	2	15	11	4	s.	Fred J. Jones.
Mina	Esmeralda	4,600	4	70.0		98	12	43	1	43	T.		T.	0	0	14	5	11	s.	Southern Pacific Co.
Potts	Nye	6,990	18	59.5	− 5.0	90	11†	31	1	50	0.30	+ 0.13	0.10	0	4	7	5	18	s.	Miss Mamie Potts.
Quinn River Ranch	Humboldt	4,850	9	66.8		92	11	30	23	49[a]	1.35		0.79	0	3	13	5	12	n.	F. M. Payne.
Reno	Washoe	4,532	40	63.3	+ 2.3	90	11	37	24	42	0.22	− 0.02	0.22	0	2	21	8	1	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	4																	U. S. Reclamation Service.
Tecoma	Elko	4,812	33	58.6	− 5.2	94	12	30	4	52	0.69	+ 0.02	0.40	0	9	8	4	18	n.	Southern Pacific Co.
Tonopah	Nye	6,090	4	64.6		88	12	40	1	28	0.10		0.10	0	1	15	14	1	se.	U. S. Weather Bureau.
Wabuska	Lyon	4,347	8																	Vic Bernard.
Wells	Elko	5,631	39	60.8	− 1.8	94	12	32	9	51[a]	1.60	+ 1.09	0.60	0	9	3	15	12	sw.	Southern Pacific Co.
Winnemucca	Humboldt	4,432	32	63.6	+ 0.3	92	12	35	24	44	1.13	+ 0.49	0.36	0	11	9	14	7	sw.	U. S. Weather Bureau.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for June, 1911. District No. 10, Great Basin.*

Stations.	Watershed.	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	
Wyoming.																																
Border	Bear									.35				.26	.09	.20				T.	T.											0.90
Cokeville	do									.18					.28	.18	.15	T.	T.	T.	T.	.12						T.		.06	.02	0.99
Evanston	do									.33					.68	.18	.04	.10	.21	.02	.26		.03									1.85
Idaho.																																
Geneva	Bear		.49												.11	.37	.24						.12									1.33
Grace	do									.08					.47	.58																
Paris	do														.20	.32					.20									.02		0.74
Stone	Deep Creek																															
Weston	Bear									.11					.31	.28	.32												.07	.13	.20	1.42
Utah.																																
Alpine	Great Salt Lake								.12						.05	.06																0.23
Beaver	Sevier Lake	T.											T.	.50	.30	.52	T.				.05	T.										1.37
Black Rock	do																															0.00
Burrville	do													.04	.35	.12					.10		.12									0.73
Castle Rock	Great Salt Lake	.05	T.							.20				.10	.40	.30	.20	.22	T.		.10	.22	.05								.03	1.87
Cedar City	Desert													.29	.23	.08	.02	.04	T.			T.										0.64
Center	do									.07				.03	.42	.14					.25		.01						T.			0.92
Clarkston	Great Salt Lake								.12							.62				.06								.04	.16	.20		1.20
Corinne	do								.10						.20	.30															.12	0.72
Deseret	Sevier Lake													T.	.05						.05		T.									0.10
Desert Lake	Green				.10										.32						.05											0.47
Enterprise	Great Salt Lake	T.												1.20				.78		.75												2.73
Fairfield	do									.06					.11	.03	.07		.02		.16	.01										0.46
Farmington	do									.07					.25	.08	.04				.07										.05	0.56
Filmoore	Sevier Lake												.04	T.	T.	.69	.08	T.			.01	.33									T.	1.15
Frisco	Desert	.10	.07											.20	.15				.15		.18											0.35
Garrison	do	T.												.30	T.	.10	T.		.08	T.	.20											0.68
Government Creek	do								.11					.03	.30		.10		.10		.04											0.68
Grantsville	Great Salt Lake									.04					.38	.12														.05		0.59
Grouse Creek	Desert	T.	.25	.02					.18						.21	.32		.20				T.	.03					.03			.93	2.17
Heber	Great Salt Lake									.10				.15	.18	.20	.22	.08			T.		T.							T.		0.93
Henefer	do		T.					T.		.19				.02	.16	.05	.23	.11		.02	.45	.04	T.					T.		T.	.01	1.28
Hooper	do							.07							.10	1.10						.02									T.	1.29
Ibapah (near)	Desert	T.	T.												.25	1.00	T.	T.	T.	.25	.08	T.								T.	.14	1.72
Ibex	do																															
International	Great Salt Lake									.24				.01	.32	.18				.06			.12						.16			1.09
Iosepa	Desert									.25				.10	.12	.35															.10	0.92
Kanosh	Sevier Lake														.09		.25				.17	.04										0.55
Kelton	Great Salt Lake		T.													.45	.05													T.	.50	1.00
Lemay	Desert									.04						.85				.25											.60	1.74
Levan	Sevier Lake		T.							.02				.10	.12	.08					.01		.01									0.34
Logan	Great Salt Lake									.11					.03	.06	.03					.03								.01	.02	0.29
Lucin	Desert		T.						T.					T.	T.	.30	T.	T.		.10	.25								T.		.75	1.40
Lund	do													.40	.18			.15														0.63
Manti	Sevier Lake							T.					T.	.12	.21	.15	.17	T.			T.	T.	.03								T.	0.68
Maple Creek	Great Salt Lake	T.							T.	.28				T.	.17	.11	.24				.04		.01								T.	0.85
Marion	do	T.	T.	.03						.13				.25	.23	.03	.04	.07	.17	T.	.06		.11								0.7	1.19
Marysvale	Sevier Lake	T.	T.											T.	.16	T.	.04	.02	.01		.10	.04	T.									0.39
Meadowville	Great Salt Lake	T.								.15				.05	.47					T.	T.		.43						T.	.08		1.18
Mercur	do									.07					.20	.06	.23				.09	T.	T.						T.	.03		0.68
Midlake	do															1.25																1.25
Milford	Sevier Lake	T.												.03	.40			T.			.18											0.61
Millville	Great Salt Lake		.09							.22				.02		.23	.02				.04										.09	0.71
Minersville	Sevier Lake													.11	.24	.04		T.	T.	T.												0.39
Modena	Desert	.01	T.										T.	.09	.39	T.	T.	.21	T.	.03												0.73
Morgan	Great Salt Lake																															
Moroni	Sevier Lake	T.	T.						T.	.07				.04	.56	T.			.19		.04	T.	T.	T.							T.	0.90
Mount Nebo	Great Salt Lake													.04	.26	.12					.05											0.47
Nephi (near)	do		T.	T.					.04					.09	.12					.05	.43		.03									0.76
New Castle	Desert													1.27		.06		T.														1.33
Oak City	Sevier Lake																															
Ogden	Great Salt Lake								.03	.15				.01	.01	.89					.10	.11						.01	.02	.02	.07	1.42
Park City	do								.02						.01	.41	.23															0.67
Park Valley	Desert		.06							.02						.75	.04	.02		.17											.65	1.71
Parowan	do	.01												.39			.23	.03	.04	.01												0.71
Peyson	Great Salt Lake		T.					.03		.27				T.	.21	.07	.80				.46	T.	.14								.05	2.03
Pilican Point	do									.10					.09	.11	.03													.10		0.43
Pine Cliff ranch	do		.10							.31				.10	.20	.40	.28	.30		.13	.14	.10									.40	2.46
Pinto	Desert													.13	.30	.09	.04	.14	.03		.01											0.74
Promontory	Great Salt Lake															.80															.75	1.55
Provo	do								1.50						.15	.02	.98															2.65
Randolph	do													T.	.72	.02	.36			.03	.05	.02	T.									1.20
Revier									.15					.06	.15		.16			.09	.02			T.					T.		.05	0.68
Richfield	Sevier Lake													.07	T.	.60		.26				T.										0.93
Saltair	Great Salt Lake	.02								.12				T.	.92	.58	.65				.25	.06								.10	T.	2.70
Salt Lake City	do									.10				.04	.09	.05	.10			T.	.01										.05	0.45
Scipio	Desert	T.	.04						T.					T.	.16	T.	T.					.14										0.34
Silver City	do														.12	.03	.24				.04										.18	0.61
Spanish Fork	Great Salt Lake							.02		.38					.19	.05	.84				.14	T.	T.									1.62
Strawberry Tunnel	do		T.					.03		.10				.05	.53	.06	.04	.09			.35	.18	.01								T.	1.54
Thistle	do									.12				T.	.60	.40	T.		T.	.10		.45	T.								T.	1.67
Tooele	do	.10								.22					.50	.10				.15			.02						.07		.05	1.21
Utah Pumping Station	do	T.								.23	.01			.02			.03				T.											0.29
Whiskey Creek	Desert																															
Wendover	do																.10														.10	0.20
Woodruff	Great Salt Lake																															
Oregon.																																
Ana River	S. E. drainage			.10											T.									.18		T.		.26		T.		0.54
Bear Valley	do		T.		T.												.10	T.							.05	.25	T.		.05	.30	.20	0.95
Burns	do																															
Burns Mill	do				.11		.04		.06			T.	.02				.01		T.		.03	T.		.04			T.	.33				0.64
Christmas Lake	do			.07				.04						T.	T.									.20			T.	.85		.10	.04	1.30
Cliff	do	T.		.02				.20							.05									.27			.06	1.13		.05		1.78
Diamond	do		.14		.24				.11						T.	.05				.09	T.	T.				.11	T.			T.		0.74
Embody	do						.02	.01						T.	.45					T.				.24			20			.03		0.95
Fort Rock	do						.13								.82									.15			.30			T.		1.40

TABLE 2.—*Daily precipitation for June, 1911. District No. 10*—Continued.

Stations.	Watershed.	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	
Oregon—Continued.																																
Paisley	S. E. Drainage	T.		.18				.10						.05	.55	.22				.07				.12			T.	.52		.02		1.83
Seneca	do			.14					.11					.93	.46										.08		.20	.60			.53	3.05
Silver Lake	do	T.						.05						.03	.18					.06				.18			.08	.35		.11		1.04
Valley Falls	do			.18				.10						.11		.13								T.	.02		.17			.02	.16	0.89
California.																																
Bijou	Truckee																															
Boca	do																															0.00
Deer Park	do						.25	.33																								0.58
Glen Alpine	do						1.10	.05																								1.15
Hobart Mills	do	.03					.08	.14																				.05				0.30
Lundy	East Walker																															0.00
McKinney	Truckee						.13	.34																								0.47
Markleeville	East Carson					.04	.29	.31						T.																		0.64
Shield's ranch	East Walker							T.					.15			.08																0.23
Silver Creek	East Carson					.09	.30	.25						.09																		0.73
Tahoe	Truckee					.63																										0.63
Tallac	do		T.				T.																									T.
Truckee	do						T.																									T.
Woodfords	West Carson					T.	.11	.18	T.																							0.29
Nevada.																																
Arthur	Humboldt	*	.02						.01						.03				.02	T.								T.		T.	.01	0.09
Austin	Reese																															
Battle Mountain	Humboldt			.20													.21					.05										0.46
Beowawe	do																															
Bishop	do		.50	.51			T.	T.								.43		.01		T.	.07							.07	.02		.20	1.87
Carlin	do														.01					.01												0.02
Carson Dam	Carson		T.				T.	.27						T.							T.											0.27
Cherry Creek	Humboldt		.13						.01						.22	1.05		.07	.01	.09	.05										.54	2.17
Clover Valley	do	.10	T.	T.					.07						*	.18	T.	.50			.07							.11		.04	.27	1.34
Cobre	do																			12											1.00	1.12
Columbia	Desert													.20		.64		*	.04													0.88
Dry Farm	Humboldt	.14	.50												.13	.05												.02			.04	0.88
Dutton	do																															
Elko	do																															
Eureka	do	.15	.20						.10					.50	.14	.22		.20	.02		.09										.01	1.63
Fallon	Carson	T.	T.	T.			*	.12							T.				T.	T.	.38	.08										0.55
Fernley	Truckee						T.							.28							.10											0.38
Gardnerville	Carson																															0.00
Geyser ‡	Humboldt																															0.40
Glenbrook	Truckee																															
Golconda	Humboldt							.10							.16						.20							.20				0.66
Halleck	do	1.15	.14			.01			T.					T.	.18	.70			T.	T.	T.							.01	.01	.10		2.30
Jean	Desert																															
Lewer's ranch	Truckee						.40																									0.40
Lovelocks	Humboldt	.15						.11								.01				.11												0.38
Massacre Lakes	Desert																															
Mill City	Humboldt							.10						.24							.20											0.54
Millett	Reese						T.								T.	T.		.06	.12		T.											0.17
Mina	Desert						T.	T.	T.				T.																			T
North Fork	Humboldt	.01		.01			T.	T.					T.	T.	.10	.10	.10				.10							.10		.15		0.67
Potts	Reese	T.	T.											.05	T.	.05		.10			.10											0.30
Quinn River ranch	Humboldt													.50	.06												.79					1.35
Reno	Truckee		T.				.21	.01												T.												0.22
Rose Creek	Humboldt							.20	.28							.05					.08								.15			0.76
Skelton	do	*	.20													.56			.19													0.95
Smith	West Walker	.01	.07			T.	.11										T.															0.19
Spooner's ranch	Truckee																															
Soda Lake	Carson																															
Tecoma	Humboldt		.01	.01					.05					.05	.40		.05			.04								.01			.07	0.60
Tonopah	Desert													.10																		0.10
Wabuska	Walker																															
Wells	Humboldt	.24	.01	.01		.10			.04							.60					.25							.02			.33	1.60
Willow Point	Little Humb'lt							.08													.07	.09										0.24
Winnemucca	Humboldt		.01			T.	.11	.15	.01					.11	.02				.01	.04	.34	.02		T.				.31	T.			1.13

* Precipitation included in that of the next measurement.
‡ Separate dates of falls not recorded.
‖ 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 3.—*Maximum and minimum temperatures for June, 1911. District Number 10, Great Basin.*

Date.	Burns, Oreg.		Nevada.																									
			Cherry Creek.		Elko.		Eureka.		Fallon.		Jean.		Lovelocks.		Millett.		Mina.		Quinn River ranch.		Reno.		Tecoma.		Tonopah.		Winnemucca.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	.....	.....	63	39	80	46	65	35	73	42	82	62	72	38	65	28	74	43	68	44	73	38	68	40	64	40	71	46
2	.....	.....	65	40	76	41	67	36	77	51	88	65	78	48	72	34	77	49	78	45	74	46	64	38	69	47	76	49
3	.....	.....	77	37	70	38	70	40	80	51	92	66	82	42	79	40	85	49	80	45	75	43	72	34	74	54	79	40
4	.....	.....	76	46	74	41	74	44	81	52	93	67	78	44	75	45	84	56	76	50	78	54	76	30	76	55	77	51
5	.....	.....	77	47	79	41	79	38	85	45	92	78	83	51	80	40	85	53	79	33	79	46	74	35	76	52	82	43
6	.....	.....	72	42	73	40	78	47	75	48	90	76	75	47	72	46	85	57	73	35	68	46	76	36	65	54	72	49
7	.....	.....	73	49	70	44	70	44	75	47	89	73	71	45	73	50	74	47	73	33	66	45	76	35	70	47	66	48
8	.....	.....	74	43	72	36	71	38	79	41	89	74	74	40	75	38	80	48	66	40	70	39	68	42	71	45	69	43
9	.....	.....	72	36	71	31	71	34	79	45	92	71	76	41	76	37	80	50	78	29	79	42	70	32	73	47	74	38
10	.....	.....	80	41	81	36	82	38	88	45	.....	.....	84	42	86	40	89	49	86	37	86	44	84	36	82	54	84	45
11	.....	.....	88	49	90	40	88	50	95	50	103	.....	91	45	90	45	95	52	92	45	90	52	86	35	87	65	92	53
12	.....	.....	91	52	93	45	90	55	95	55	102	.....	90	47	92	45	98	57	87	44	90	51	94	42	88	68	92	48
13	.....	.....	76	60	91	57	84	50	88	64	94	.....	89	59	84	50	94	68	85	54	86	52	76	50	72	50	86	56
14	.....	.....	75	52	77	58	74	51	89	50	92	.....	86	49	75	46	87	53	81	52	86	52	78	45	78	53	84	49
15	.....	.....	64	50	71	53	74	51	90	55	91	.....	84	53	78	50	88	61	84	49	84	51	66	45	77	56	84	52
16	.....	.....	77	44	82	43	79	45	91	56	96	.....	87	50	84	41	90	56	86	46	86	54	68	45	81	56	87	55
17	.....	.....	81	50	87	51	80	51	93	54	96	.....	87	52	84	47	93	65	86	50	86	53	82	45	84	62	90	52
18	.....	.....	80	53	87	52	82	50	94	56	100	.....	89	52	84	47	94	54	88	58	88	53	80	46	84	63	92	50
19	.....	.....	80	53	83	54	83	54	92	60	96	.....	87	52	85	50	92	57	85	45	85	56	76	45	78	58	86	55
20	.....	.....	74	57	81	57	77	53	85	54	96	.....	84	53	84	56	91	58	83	60	82	51	78	45	78	57	84	56
21	.....	.....	82	51	86	46	80	50	87	54	98	.....	83	52	82	45	92	53	82	52	78	51	84	46	76	56	83	54
22	.....	.....	82	49	86	41	80	45	85	46	94	.....	82	41	80	40	88	50	68	50	77	43	86	40	75	55	84	51
23	.....	.....	76	47	83	46	78	48	70	52	92	.....	72	37	72	57	88	48	73	30	61	48	82	45	73	47	67	44
24	.....	.....	70	40	68	32	70	32	73	39	91	.....	70	34	70	40	76	46	80	32	70	37	74	48	68	41	68	35
25	.....	.....	75	39	76	33	75	36	83	41	96	.....	80	35	80	36	84	50	84	43	81	43	82	44	76	48	78	38
26	.....	.....	81	46	85	38	83	43	92	49	101	.....	86	43	86	41	91	54	67	47	88	51	80	48	84	57	89	46
27	.....	.....	82	48	82	48	83	56	85	59	100	.....	79	45	83	45	92	60	76	50	76	56	72	35	84	62	73	51
28	.....	.....	77	46	80	37	81	41	86	47	98	.....	81	44	81	40	87	50	.....	.....	78	46	76	38	79	52	78	45
29	.....	.....	80	47	77	48	79	50	78	46	95	.....	75	46	79	67	86	54	78	48	70	50	78	48	79	52	71	46
30	.....	.....	66	38	66	43	70	38	74	50	93	.....	80	43	70	40	82	50	73	42	72	45	58	36	68	42	68	44
Mns.	.....	.....	76.2	46.4	79.2	43.9	77.2	44.8	83.9	50.1	94.2a	.....	81.2	45.7	79.2	44.5	86.7	53.2	79.1a	44.4a	78.7	47.9	76.1	41.0	76.3	53.0	79.5	47.7

Date.	Wyoming.				Weston, Idaho.		Utah.																					
	Border.		Evanston.				Corinne.		Deseret.		Government Creek.		Ibapah.		Marysvale.		Meadowville.		Modena.		Ogden.		Parowan.		Provo.		Salt Lake City	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	68	37	66	34	74	40	83	54	70	44	71	44	56	30	69	33	70	43	67	40	78	42	70	40	79	41	73	58
2	65	31	64	31	67	40	77	56	75	37	72	37	65	37	72	31	68	37	70	36	84	52	70	40	81	37	70	50
3	72	42	68	42	75	41	90	46	82	40	79	42	70	36	81	33	72	43	78	39	82	47	82	56	84	40	80	52
4	75	39	72	38	78	42	86	46	85	48	83	48	69	43	84	38	78	49	78	40	83	52	80	54	87	44	83	59
5	71	31	74	34	77	33	90	44	82	58	79	40	73	40	84	37	73	35	79	41	85	52	81	42	83	42	74	52
6	77	34	75	37	75	39	89	46	84	58	81	49	70	35	80	51	78	38	82	44	82	50	80	39	85	41	82	55
7	75	43	72	42	79	47	86	44	83	56	83	51	67	43	79	55	78	44	77	45	84	49	76	38	86	51	83	61
8	72	36	70	35	76	48	92	45	82	42	83	41	67	38	80	39	75	39	77	39	80	42	72	43	87	44	78	53
9	55	37	66	32	62	37	78	45	75	56	81	40	67	30	78	42	67	39	75	42	81	42	73	43	69	43	66	44
10	75	31	73	31	78	34	88	40	80	40	80	40	73	37	79	41	73	34	81	44	82	41	81	43	81	37	75	49
11	87	37	84	38	88	43	92	48	90	47	90	45	83	42	90	43	79	43	88	47	88	52	89	54	93	43	89	57
12	85	41	82	41	89	47	104	54	94	49	90	54	85	51	91	48	85	47	89	50	89	52	87	53	97	50	93	64
13	78	42	80	42	87	50	101	57	89	60	88	59	75	42	81	46	83	46	77	55	94	56	75	50	93	51	89	64
14	64	52	70	47	78	52	82	60	79	58	74	56	55	42	72	53	66	52	74	46	69	55	78	45	74	56	70	59
15	68	52	62	50	67	56	77	58	78	58	72	53	51	34	76	41	67	52	71	44	71	51	79	43	79	56	68	57
16	78	45	64	43	77	50	86	59	75	45	69	54	64	40	74	40	68	53	72	52	76	57	72	40	78	54	73	58
17	80	58	68	48	80	48	93	53	87	48	81	49	67	42	82	44	74	48	78	49	82	54	80	50	85	51	79	60
18	80	59	74	43	84	52	90	56	88	58	84	52	70	43	77	45	74	46	79	48	85	54	79	50	90	50	85	59
19	77	45	71	47	84	53	97	55	90	58	85	57	60	41	84	45	77	49	81	50	84	58	82	55	90	53	87	62
20	72	49	67	48	76	57	94	63	84	63	82	54	64	45	74	52	72	51	82	51	81	50	82	54	81	57	80	60
21	78	40	71	41	81	45	98	49	87	50	85	53	70	52	82	44	75	43	83	49	85	56	80	49	87	47	85	58
22	65	44	76	44	85	51	93	46	90	57	87	54	74	50	86	45	79	48	82	49	87	52	87	46	91	48	88	63
23	82	44	75	45	86	48	95	58	85	55	84	51	68	31	82	40	80	45	79	45	86	43	87	46	90	48	87	62
24	75	32	77	40	86	38	85	45	80	58	76	47	70	34	83	41	69	40	75	44	71	50	77	44	80	46	70	52
25	74	44	75	39	77	37	90	52	80	58	75	56	74	38	82	42	68	40	80	53	76	46	76	42	81	55	73	56
26	78	39	73	35	79	37	92	45	83	42	82	43	72	48	83	42	71	37	82	48	80	42	83	48	85	37	78	54
27	86	36	78	39	78	42	90	48	91	60	90	53	74	51	90	41	83	40	87	46	84	46	84	51	94	42	88	57
28	80	38	71	40	74	45	86	53	86	49	84	45	70	50	84	47	76	49	83	53	89	49	82	51	90	45	78	57
29	73	44	75	39	71	51	84	57	86	50	85	59	68	51	86	40	73	50	78	56	76	42	78	55	89	46	75	59
30	69	36	74	40	60	46	72	48	70	48	67	48	58	31	79	58	68	45	76	56	65	39	75	51	77	48	60	49
Mns.	74.5	41.3	72.2	39.9	77.6	45.0	88.7	51.0	83.0	51.7	80.7	49.1	66.3	40.9	80.8	43.2	74.0	44.2	78.7	46.7	81.3	49.1	79.4	47.2	84.9	47.0	78.6	56.7