

CLIMATOLOGICAL DATA

22

NEVADA SECTION G. K. GREENING

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GENERAL SUMMARY

July was a comparatively warm month for the State of Nevada with the 7th highest average temperature of record and 116% of normal rainfall. The first week and the last two weeks were exceptionally warm throughout the State. Temperatures averaged well above normal in the southern and western portions of the State and below normal in the north-eastern and extreme northern portions. Precipitation was generally in the form of scattered thundershowers which produced excessive amounts in Clark County and at stations in the west-central, north-central, and at high elevations of the east-central portions. Below normal precipitation was recorded at many stations in all portions of the State, with four stations receiving no precipitation and seven reporting only a trace. The excessive precipitation in other areas brought the State average to above normal.

The weather was generally favorable for all interests. Lower rangelands were dry but upper ranges were in good condition and livestock gained flesh and were in excellent condition as the month ended. Grain ripened and harvest began. Haying made favorable progress in most areas with good yields; however, some damage was reported from local rains, and in the Humboldt Valley haying was late and the yield poor due to flooding. The Humboldt River fell below flood stage, having been above flood stage since May 5th. Breaks in the dykes along the lower Humboldt were closed early in July and flooded lands drained slowly thereafter. Losses in that area were estimated to be about \$100,000. P.E.G.

TEMPERATURE

The average monthly temperature for the State, based on the records of 64 stations was 75.3°, which is 2.7° above the mean for the past 57 years. The highest recorded was 117° at Overton on the 10th. The lowest recorded was 30° at Jarbidge and Ruby Lake on the 1st. The highest monthly mean was 92.8° at Overton. The lowest monthly mean was 61.2° at Sheldon. Temperatures for the State as a whole were above average with the 7th highest average of record and the highest since 1942. Temperatures were generally below normal in the northeastern portion and at scattered points elsewhere. Comparatively high temperatures prevailed at most stations during the first and last two weeks of July. The highest temperatures of the month generally occurred about the 25th, while the lowest temperatures generally were recorded during the first two weeks.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 69 stations was 0.44 inch, which is 0.06 inch above the mean for the past 57 years. The average amount at—
4 stations in the Columbia Basin was 0.56 inch.
17 stations in the Humboldt Basin was 0.37 inch.
8 stations in the Truckee Basin was 0.17 inch.
6 stations in the Carson Basin was 0.42 inch.
9 stations in the Walker Basin was 0.47 inch.
11 stations in the Colorado Basin was 0.86 inch.
The greatest monthly amount was 2.95 inches at Searchlight.
The least monthly amount was none at 4 stations.
The greatest 24-hour amount was 1.75 inches at Searchlight on the 29-30th.
The average snowfall was 0.0 inch.

The average number of days with 0.01 inch or more of precipitation was 3. There was an average of 19 clear days; 9 partly cloudy days and 8 cloudy days. The average precipitation for the State as a whole was 116% of the monthly normal. Precipitation was generally light and scattered, with unusually heavy local showers mostly in the southeast and north-central portions, which in some instances yielded amounts in excess of 300% of the monthly normals.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Stations	Sea-level pressure, extremes—inches				Wind				Relative humidity %				Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	4:30 a. m.	10:30 a. m.	4:30 p. m.	10:30 p. m.		
Ely Airport...	30.21	1	29.74	23	9.2	38	ne.	26	69	32	30	51	66	23
Las Vegas A.P.	29.97	18	29.57	28	.....	.....	.....	.....	39	23	17	29	81	0
Reno Airport...	30.12	11	29.73	28	7.2	28	s.	27	77	30	18	45	90	0
Winnemucca...	30.19	1	29.61	28	7.1	30	n.w.	14	51	25	19	35	87	0

§ Pacific standard time.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		Number of days			
	Mean	Highest	Lowest	Average	Average Snowfall	Precip. .01 inch. or more	Clear	Partly cloudy	Cloudy
1889.....	76.1	119	36	0.17	0	1	29	1	2
1890.....	74.0	118	28	0.15	0	1	22	5	6
1891.....	70.4	102	26	0.53	0	3	17	3	3
1892.....	70.6	115	30	0.67	0	1	23	5	6
1893.....	70.3	110	24	0.40	0	2	26	4	1
1894.....	71.7	108	32	0.75	0	5	17	4	9
1895.....	70.2	112	28	0.13	0	2	25	2	4
1896.....	72.7	112	33	0.79	0	1	25	8	8
1897.....	69.4	116	25	0.28	0	2	30	4	2
1898.....	73.5	114	30	0.12	0	1	23	6	4
1899.....	72.6	106	34	0.14	0	2	22	5	4
1900.....	70.9	113	33	0.37	0	1	23	4	4
1901.....	70.8	109	31	0.31	0	2	21	6	4
1902.....	67.9	116	25	0.44	0.5	2	21	5	5
1903.....	65.4	111	26	0.01	0	1	27	3	1
1904.....	68.7	110	30	0.51	0	3	19	3	4
1905.....	72.1	109	31	0.03	0	1	24	5	2
1906.....	74.7	114	32	0.68	0	4	17	9	3
1907.....	69.2	113	27	0.06	0	1	22	6	3
1908.....	74.3	116	32	0.42	0	3	18	10	6
1909.....	69.5	112	22	0.14	0	2	23	6	2
1910.....	72.9	110	28	0.65	0	0	18	8	6
1911.....	70.9	109	30	0.31	0	3	17	10	4
1912.....	68.6	113	25	0.67	0	4	17	7	7
1913.....	69.1	113	18	1.30	0	6	16	10	6
1914.....	72.4	118	32	0.52	0	3	16	10	5
1915.....	70.8	110	31	0.38	0	2	19	8	4
1916.....	71.0	113	30	0.31	0	2	25	4	2
1917.....	74.5	111	31	0.46	0	2	21	7	3
1918.....	72.9	112	21	0.33	0	2	21	7	3
1919.....	75.2	113	35	0.28	0	1	23	7	1
1920.....	72.7	113	33	0.14	0	1	24	5	2
1921.....	74.2	114	27	0.19	0	1	24	4	3
1922.....	74.1	116	33	0.54	0	3	20	7	4
1923.....	73.9	116	24	0.42	0	2	22	6	3
1924.....	73.0	117	31	0.16	0	1	22	7	2
1925.....	74.6	117	40	0.97	0	4	19	7	5
1926.....	74.1	116	33	0.43	0	3	20	7	4
1927.....	74.5	118	27	0.26	0	2	21	7	3
1928.....	73.6	114	32	0.16	0	1	23	6	2
1929.....	74.1	115	30	0.14	0	1	23	5	3
1930.....	73.1	115	30	0.16	0	1	21	6	4
1931.....	78.2	119	33	0.14	0	1	22	7	2
1932.....	72.7	116	30	0.43	0	2	23	5	3
1933.....	76.6	118	32	0.34	0	2	21	7	3
1934.....	74.5	118	27	0.20	0	1	24	5	2
1935.....	72.3	116	26	0.18	0	1	21	7	3
1936.....	76.0	115	34	0.79	0	5	14	11	6
1937.....	75.3	118	33	0.67	0	4	17	9	5
1938.....	72.5	115	33	0.78	0	4	19	8	4
1939.....	74.0	119	34	0.60	0	3	19	8	4
1940.....	72.7	117	31	0.01	0	1	23	6	2
1941.....	72.6	118	32	0.73	0	4	18	9	4
1942.....	76.0	120	29	0.10	0	1	23	7	1
1943.....	73.3	116	23	0.30	0	2	21	7	3
1944.....	71.2	113	26	0.07	0	1	25	5	1
1945.....	75.3	117	30	0.44	0	3	19	9	3
Period.....	72.6	120	18	0.38	T.	2	21	7	3

Climatological Data for July 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.					Precipitation, in inches					Number of days					Observers	
				Mean	*Departure from the normal	Highest	Date	Lowest	Date	Total precipitation	*Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	With precipitation (0.01 inch or more)	Clear	Partly cloudy	Cloudy		Prevailing direction of the wind
<i>Columbia Basin</i>																				
Jarbridge	Elko	6,218	8	66.8	-	95	27	30	1	0.42	0.42	13-14	0	1	18	13	0	A. Urdahl		
Owyhee	Elko	5,400	18	67.2	-1.2			42	4	0.31	-0.35	14	0	2	21	9	1	Airway Observer		
San Jacinto**	Elko	5,200	42															Utah Construction Co.		
Tuscarora, 3.5 mi. NE	Elko	6,400	36							T.	-0.88	T.	77	0	0	21	7	3	Mrs. Irene Williams.	
<i>Humboldt Basin</i>																				
Austin	Lander	6,594	52	70.2	+0.8	97	26	45	9	0.48	-0.05	0.29	12	0	5	10	18	3	U.S. Weather Bureau.	
Battle Mountain	Lander	4,513	68	73.0	-2.5	102	25	41	†1									Southern Pacific Co.		
Battle Mountain Airport††	Lander		2	70.4		102	†25	34	7	0.35		0.17	9	0	3	23	6	2	U. S. Airways Station	
Beowawe	Eureka	4,695	6	71.8	-2.0	98	†24	44	5	0.17	-0.10	0.16	10-11	0	2	16	12	3	Southern Pacific Co.	
Elko	Elko	5,077	69	69.6	+0.3	101	22	38	2	0.98	+0.23	0.79	9	0	3	17	12	2	U. S. Weather Bureau.	
Emigrant Pass		6,000	2							0.35		0.20	10-11	0	3	18	13	0	Roy L. Primeaux.	
Imlay	Pershing	4,209	64	77.0	+2.5	104	†27	50	†7	T.	-0.13	T.	†10	0	0	9	13	9	Southern Pacific Co.	
Lamoille, 2.5 mi. S	Elko	6,290	35	68.2	-0.4	92	†25	88	1	0.22	-0.53	0.11	11	0	3	12	19	0	Elko-Lamoille Power Co.	
Lovelock	Pershing	3,977	55	77.2	+4.0	105	†26	53	3	T.	-0.17	T.	†2	0	0	26	4	1	Paul K. Gardner.	
Mala Vista Ranch**	Elko	5,555	7	66.8		97	25	37	1	0.57	0.21	9	0	4	19	4	8	0	Arthur F. Hyde.	
North Fork, 3 mi. W	Elko	6,500	37							0.32	-0.14	0.19	9	0	3	20	10	1	Gail Truett	
Paradise Valley	Humboldt	4,650	48							0.72	-0.37	0.67	12-13	0	3				U. S. Forest Service.	
Rye Patch Dam**	Pershing	4,161	12	74.0	+3.6	104	28	41	4	0.12	-0.20	0.12	14	0	1	24	5	2	U. S. Reclamation Ser.	
Seventy-One Ranch**††	Elko	5,550	36	61.0		102	27	36	4	0.28	0.08	†18	0	4	4	2	7	0	Mrs. Wm. B. Wright.	
Wells	Elko	5,636	36	69.0	-1.2	99	27	34	1	0.67	+0.25	0.18	11-12	0	7	18	12	0	Wells Power Co.	
Winnemucca	Humboldt	4,287	68	75.2	+4.6	102	26	50	22	0.60	+0.39	0.45	9-10	0	8	23	6	2	U. S. Weather Bureau	
<i>Truckee Basin</i>																				
Marlette Lake**	Washoe	3,090	22																Mrs. Earl Wise	
Nixon 1.8 mi. S	Washoe	3,910	19	78.0	+0.7	102	28	47	†1	0.14	-0.11	0.12	8-9	0	2	17	7	7	Louis McCloud.	
Reno Airport	Washoe	4,397	10	71.2	+3.2	104	26	42	25	0.10	-0.15	0.05	7	0	3	24	5	2	U. S. Weather Bureau.	
Sponcers Station**	Ormsby	7,100	7																State Highway Dep't.	
Wadsworth	Washoe	4,077	11	77.6		104	†6	46	1	0.09	-0.08	0.07	12	0	3	25	4	2	W. J. Neeley.	
Boca, Calif. ||	Nevada	5,535	10	61.9		96	†26	31	25	0.10	-0.19	0.10	9	0	1	27	3	1	U. S. Reclamation Ser.	
Tahoe, Calif. ||	Placer	6,230	36	62.2	+1.4	87	†26	39	23	0.44	+0.20	0.40	8-9	0	3	25	6	0	Wm. A. Simmonds.	
Truckee, Calif. ||	Nevada	6,000	62	64.2	+0.9	98	24	36	†21	0.15	-0.06	0.15	8-9	0	2				U. S. Forest Service.	
<i>Carson Basin</i>																				
Carson City	Ormsby	4,675	50	71.2	+2.1	103	26	45	†23	0.16	-0.04	0.15	8-9	0	2	29	0	2	State Highway Dep't.	
Fallon 1 mi. S	Churchill	3,965	51	78.2	0	99	27	49	†1	0.26	+0.14	0.21	2-3	0	2	22	8	1	U. S. Experiment Station.	
Humboldt Field**	Pershing	4,160	38	76.4		105	26	47	†2	0.06	0.06	0.06	13	0	2	22	8	1	U. S. Airways Station	
Lahontan**	Churchill	4,200	38	78.8	+0.7	100	†7	58	3	0.17	+0.02	0.17	9-10	0	2	19	10	2	Truckee-Carson Irrig. Dist.	
Minden	Douglas	4,730	55	68.8	-0.4	102	26	40	3	0.93	+0.66	0.83	10-11	0	2	18	13	0	U. S. Forest Service	
Woodfords, Calif. **||	Alpine	5,634	9	61.4		95	25	50	14	0.93		0.35	10	0	4	26	4	1	Mrs. Bernice Fickel	
<i>Walker Basin</i>																				
Hawthorne	Mineral	4,327	10	78.5	+3.4	102	27	56	3	0.23		0.18	8-9	0	3	25	5	1	Airway Observer	
Mina	Mineral	4,350	62	81.4	+3.2	107	28	58	2	0.10	-0.13	0.10	9	0	1	22	6	3	Southern Pacific Co.	
Schurz	Mineral	4,124	27	74.1	+0.8	101	26	51	†18	0.84	+0.42	0.36	11-12	0	3	19	8	4	Willie Wilson	
Smith, 4 mi. W**	Lyon	4,800	9	71.8		100	†6	46	†1	0.51	-0.02	0.27	15-16	0	3	17	6	8	H. A. Schreck.	
Thorne	Mineral	4,200	53	79.5	+1.3	103	†6	54	1	0.16	-0.20	0.16	9	0	1	24	7	0	Southern Pacific Co.	
Wellington	Lyon	4,850	5	72.4		97	†25	46	1	0.01	0.01	9-10	0	1	7	13	11	0	U. S. Forest Service.	
Yerington	Lyon	4,375	38	72.2	+1.6	99	27	46	1	0.85	+0.71	0.85	12	0	1	27	4	0	Mrs. W. H. Churchyard.	
Bridgeport, Calif. **||	Mono	6,440	15	65.9	+2.8	95	26	42	18	0.97	+0.48	0.71	8-9	0	3	18	14	4	I. T. Whistler.	
Shields Ranch, Calif. **||	Mono	5,300	37							0.60	+0.05	0.50	9	0	2	22	5	4	Bruce H. Chichester.	
<i>Colorado Basin</i>																				
Boulder City	Clark	2,525	16	89.2	-0.3	107	†3	66	9	1.01	+0.46	0.40	17	0	5	18	6	7	U. S. Reclamation Ser.	
Caliente	Lincoln	4,407	23	78.4	+3.4	104	†5	53	†10	1.33	+0.69	0.38	23-29	0	7	15	13	5	Soil Conservation Ser.	
Desert Game Range**	Clark	3,025	7	88.6		112	23	61	†15	0.66		0.66	26	0	1	20	8	3	U. S. Biological Survey.	
Hiko	Lincoln		1	88.2		105	26	60	19	0.97		0.88	29	0	2	10	14	7	Helen Schofield.	
Indian Springs**	Clark	3,136	8	84.8		109	†2	60	†3	0.12		0.08	28	0	2	17	9	5	Tim Harnedy.	
Kyle Canyon R. S.**	Clark	7,165	8	66.8		92	†2	42	21	1.11		1.11	8	0	5	15	14	2	U. S. Forest Service	
Las Vegas	Clark	2,033	37	86.2	+1.8	110	†2	65	20	0.35	-0.19	0.15	29	0	3	19	8	4	C. P. Squires.	
Las Vegas Airport**	Clark	1,876	9	89.8	+2.7	113	2	64	19	1.68	+1.15	0.83	8	0	4	17	11	3	U. S. Weather Bureau.	
Mesquite	Clark	1,600	5	88.0		118	†5	54	16	1.08		0.78	29-30	0	2	13	9	9	Lamond Hughes.	
Overton	Clark	1,275	7	92.8		117	10	68	6	0.56		0.53	13	0	2	24	3	4	National Park Service.	
Pioche	Lincoln	5,110	17	74.4	+1.4	96	†5	51	†6	0.58	-0.20	0.20	28	0	10	12	11	8	Norman N. Sorensen.	
<i>Minor Basins</i>																				
Adaven	Nye	6,250	33	70.8	+0.3	95	26	46	1	0.97	+0.04	0.31	29	0	7	14	14	3	Ralph Huber.	
Arthur	Elko	6,500	36							0.53	-0.20	0.25	28	0	3	20	5	6	Madelyn O'Donnell.	
Basalt**	Mineral	6,850	5	72.8		96	†25	45	8	0.65		0.46	9	0	5	9	11	11	State Highway Dept.	
Beatty	Nye	3,310	25	84.3	+4.2	103	25	59	15	T.	-0.24	T.	†8	0	0	23	6	2	U. S. Weather Bureau.	
Current**	Nye	5,183	5	75.4		100	25	53	3	0.04		0.04	9	0	1	18	9	4	State Highway Dep't.	
Ely	White Pine	6,257	8	67.2	+8.7	94	25	42	1	0.43	-0.19	0.17	9	0	4	8	17	6	U. S. Weather Bureau.	
Fish Creek Ranch**	Eureka	6,050	2	66.2		94	†25	40	16	T.		T.	†10	0	0	24	7	0	Bartholomae Corp.	
Gerlach, 5 mi. S	Washoe	3,980	35	78.2	+3.2	105	†26	47	80	0.03	-0.07	0.03	8-9	0	1	28	3	0	Pac. Portland C'm't. Co.	
Geyser	Lincoln	5,984	16	70.8		98	†25	42	3	0.33	+0.03	0.26	28	0	2	4	22	5	State Highway Dep't.	
Goldfield, 1.5 mi. NE	Esmeralda	5,700	41	75.6	+2.0	100	25	51	9	0.10	-0.35	0.05	8	0	3	18	13	0	A. Higinbotham.	
Kimberly	White Pine	7,250	19	67.4	-2.6	92	26	42	1	0.90	+0.08	0.75	9	0	6	13	17	1	Cons. Copper Mines Co.	
Lathrop Wells**	Nye	2,659	5	88.3		111	26	62	8	0		0	9	0	0	27	3	1	State Highway Dep't.	
Lehman Caves N. M.**	White Pine	7,200	9	70.8		92	†22	43	1	1.02		0.38	12-13	0	6	6	19	6	National Park Service	
McGill	White Pine	6,340	69	70.8	-1.7	100	25	48	1	0.44</										

Daily Temperatures for July 1945

Table with columns for Stations, days 1-31, and Mean. Rows list various Nevada locations such as Austin, Battle Mountain, Beatty, Boca, Calif., Boulder City, Caliente, Carson City, Elko, Ely, Fallon, Fish Creek, Gerlach, Goldfield, Indian Springs, Lahontan, Lamolle, Las Vegas, Lovelock, Marlette Lake, Mesquite, Minden, Montello, Orovada, Overton, Owyheer, Rattlesnake, Reno, Ruby Lake, Rye Patch Dam, San Jacinto, Searchlight, Sheldon, Smith, Tahoe, Thorne, Tonopah, Wells, and Winnemucca.

Except as otherwise noted temperatures are for the 24-hour period ending near sunset. † 10:30 p. m. to 10:30 p. m., Pacific standard time. †† Midnight to midnight, Pacific standard time. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (inches) and Wind Movement (miles) for July 1945

Table with columns for Stations, Data (Evaporation, Wind movement), Day of month (1-31), and Monthly. Rows list stations like Boca, Calif., Boulder City, Lahontan, Lamolle, Ruby Lake, Rye Patch Dam, and Tahoe.

* Observations taken at 7 a. m.; ** at 8 a. m.; *** at 3 p. m.; † Included in the next following entry. § Wind movement by 3-cup anemometer, others by 4-cup instrument. †† Total computed for full month.

Notes and References for Climatological Table

Departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean," adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. ** Post Office addresses published in Annual and winter issues.

Reference letters, a, b, c appearing in the table indicate number of days missing; for example, a represents two days missing, etc. † Also on other dates. †† Received too late to be included in the means and summaries. * Less than one day. † Precipitation less than 0.01 inch rain or melted snow. †† Data from California and Utah stations not used in computing means and extremes for Nevada Section. †‡ 4 mi. N. WBO, San Francisco, 9-11-45-1000