

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

CALIFORNIA SECTION

APRIL, 1918

BY

EDWARD A. BEALS,

DISTRICT FORECASTER AND SECTION DIRECTOR.



SAN FRANCISCO, CAL.
WEATHER BUREAU OFFICE
MAY 22, 1918

Departure of the Mean Temperature from the Normal, April, 1918.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

VOL. XXII. SAN FRANCISCO, APRIL, 1918. No. 4.

GENERAL SUMMARY.

April, 1918, was about normal in temperature in California, but the precipitation was considerably below normal. For the State as a whole, the average rainfall was 0.79 inch, which is but 44 per cent of the normal amount for April. In the southern half of the State but two stations received a total precipitation of one inch or over. More than the usual amount of sunshine was received. The wind movement was high, as is usual during spring months. While killing frosts were infrequent, frosts injurious to vegetation occurred on several days in the agricultural portions of the State. Frosts occurred at Red Bluff on two days, at Fresno on three days, at Sacramento on five days, and at San Jose on five days. Streams maintained normal stages during the month, and no destructive floods were reported. Little snow fell in the mountains, while the warm sunshine and desiccating winds caused much of that lying on the ground to disappear. At the close of the month the only snow on the ground in California was that in the high Sierras and that near the summits of the isolated peaks. While there was less snow on the ground at the end of April than is usual at that time of the year, there was every indication that there would be an ample supply of water for irrigation and power purposes during the coming summer, and that the threatened shortage would occur only in a few restricted regions.

The first five days of the month were cold and windy, with snow flurries in the mountain regions. A temperature of five degrees below zero occurred at Tamarack, Alpine County, on the 4th. The period from the 5th to the 15th, inclusive, was one of cloudy and unsettled weather. Copious and widely distributed showers fell on the 7th, 8th, 9th and 13th. Warm and dry weather prevailed throughout the State during the latter half of the month. This was a rainless period everywhere except along the extreme north portion of the coast. Temperatures rose from day to day, the highest for the month occurring at most stations during the last decade.

From an agricultural viewpoint, the weather during April was generally favorable. The only unfavorable feature was the absence of rainfall during the second half of the month. Deciduous fruit trees blossomed in profusion, but the fruit set unevenly, being good in some places and poor in others. The bloom on navel orange trees was the heaviest in years. Planting was general, and an unusually large acreage was devoted to corn, potatoes, sugar beets and truck crops. Barley, wheat and oats made rapid progress during the fine growing weather of the first half of the month, but began to head prematurely during the warm, dry weather of the latter half. Grazing cattle found ample feed on the ranges during the early part of the month, but the grass made little growth after the middle of the month, as the summer drought appeared to begin earlier than usual. The first cutting of alfalfa occurred during April, and a good crop was harvested. Early strawberries and cherries appeared on the market near the close of the month. In the orchards there was extensive cultivation of the soil in order to conserve the moisture which had accumulated during the preceding months. As a whole, the agricultural situation at the close of the month was satisfactory, and the outlook for the immediate future was favorable.

A. H. P.

PRESSURE.

The mean sea level pressure, determined from the records of twelve regular Weather Bureau stations, was 29.98 inches. The highest was 30.39 inches at Eureka on the 16th; the lowest was 29.41 inches at Independence on the 2d; the range for the State was 0.98 inch.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 98 stations, was 56.5°, which is 0.5° below the normal.

The highest monthly mean was 73.8°, at Greenland Ranch; and the lowest was 37.4° at Tamarack.

The highest temperature, 99°, occurred at Mecca on the 29th, and at Blythe on the 30th; and the lowest, -5°, occurred at Tamarack on the 4th.

The range for the State was 104°.

PRECIPITATION.

The average precipitation for the State, as shown by the records of 220 stations, was 0.79 inch, or 1.00 inch below the normal.

The greatest monthly amount was 7.91 inches, at Blue Canon. Thirty-two stations reported no precipitation.

The greatest amount in 24 hours was 2.70 inches at Blue Canon on the 23d.

RELATIVE HUMIDITY, SUNSHINE AND CLOUDINESS.

Stations.	Relative humidity. (Per cent.)			Sunshine.	
	5 a. m.	5 p. m.	Mean.	Actual No. of hours	Per cent of possible.
Eureka.....	79	69	74	287	72
Fresno.....	72	29	50	362	92
Los Angeles.....	76	67	67	261	67
Mount Tamalpais.....	59	52	56	307	77
Red Bluff.....	62	30	46	345	87
Sacramento.....	84	48	66	349	88
San Diego.....	75	65	70	275	70
San Francisco.....	74	62	68	313	79
San Jose.....	88	62	70	342	86
San Luis Obispo.....	74	56	65	316	81

WIND MOVEMENT.—(Miles.)

Stations.	Total mov. for month.	Ave. hr. velocity.	Maximum velocity.	Direction.	Date.	Prev. dir.
Eureka.....	6,374	8.9	37	s.	8	n.
Fresno.....	6,262	8.7	38	nw.	13	nw.
Los Angeles.....	4,103	5.7	29	nw.	13	sw.
Mount Tamalpais.....	13,689	19.0	74	nw.	14	nw.
Point Reyes.....	18,617	25.9	78	nw.	1	nw.
Red Bluff.....	4,500	6.2	29	n.	2	nw.
Sacramento.....	6,235	8.7	23	nw.	16	s.
San Diego.....	4,589	6.4	27	w.	13	w.
San Francisco.....	6,633	9.2	31	sw.	1	w.
San Jose.....	4,523	6.2	25	nw.	27	nw.
San Luis Obispo.....	3,565	5.0	20	sw.	9	nw.

COMPARATIVE DATA FOR APRIL.

Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.
1897.....	60.6	0.51	1903.....	54.8	1.28	1909.....	57.6	0.12	1915.....	56.0	1.85
1898.....	60.9	0.41	1904.....	57.2	2.18	1910.....	59.8	0.62	1916.....	57.1	0.62
1899.....	58.1	0.60	1905.....	57.2	1.18	1911.....	54.2	1.93	1917.....	52.8	1.98
1900.....	53.9	2.14	1906.....	56.3	1.68	1912.....	51.9	3.07	1918.....	56.5	0.79
1901.....	55.3	2.16	1907.....	58.2	1.11	1913.....	54.9	1.44	.....	.....	.....
1902.....	56.2	1.88	1908.....	58.4	0.67	1914.....	56.6	2.14	.....	.....	.....

Explanation of Reference Marks Used in This Publication.

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
 † Also on other dates. T., Precipitation is less than 0.01 inch rain or melted snow.
 a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record.
 Station at Llano formerly known as Valyermo; station at Lytle Creek formerly known as Rialto (near).

Climatological Data for April, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.					Precipitation, in inches.				Number of days.			Prevailing direction of wind.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Snowfall (un-melted).	Precipitation 01 inch or more.			Clear.	Partly cloudy.	Cloudy.	
Alturas	Modoc	4,400	14	42.5	-3.8	79	30	11	4	56	0.30	-0.98	0.17	1.0	2	16	12	2	w.	Prof. C. B. Towle.	
Antioch	Contra Costa	46	39	62.2	+2.5	90	20	36	4	45	0.55	-0.27	0.40	0	2	27	3	0	s.	C. G. McDaniel.	
Atascadero	San Luis Obispo	837	2	54.0		86	20	25	4	50	0.00	0.00	0	0	24	4	2	sw.	Colony Holding Corp.		
Avalon	Los Angeles	30	2	56.8		76	19	46	5	20	0.00	0.00	0	0	20	5	5	n.	C. S. Manning.		
Azusa	do	540	16	63.0	+2.9	92	8	38	14	24	0.14	-0.86	0.14	0	1	16	7	7	sw.	T. C. Hillis.	
Bakersfield	Kern	404	29	62.6	-0.9	92	5	35	14	57	0.11	-0.21	0.11	0	1	26	0	4	.....	Santa Fe Co.
Barstow	San Bernardino	2,105	15	57.2	-5.0	88	29	35	4	43	T.	-0.07	T.	0	0	25	3	2	w.	E. L. White.	
Berkeley	Alameda	317	31	56.8	+2.1	84	19	39	2	25	0.63	-0.95	0.57	0	2	22	7	1	w.	State University.	
Betterville	Santa Barbara	155	5	57.4		86	21	34	4	40	0.05	0.05	0.05	0	1	29	1	0	.....	Union Sugar Co.
Blue Canon	Placer	4,695	19	46.6	-0.3	75	1	20	13	41	7.91	+4.11	2.70	8.0	7	20	0	11	n.	Southern Pacific Co.	
Blythe	Riverside	268	9	66.7		99	30	39	5	52	T.	T.	T.	0	0	29	0	1	n.	C. L. Suits.	
Bonita	San Diego	110	2	60.8		91	8	38	5	49	0.00	0.00	0.00	0	0	23	4	3	w.	R. M. Allen.	
Branscomb	Mendocino	2,000	18	55.4	+5.6	85	19	27	6	50	5.17	+1.04	2.15	0	5	24	1	5	n.	A. J. Haun.	
Brawley	Imperial	-105	8	67.2		97	30	14	16	46	0.00	0.00	0.00	0	0	30	0	0	sw.	M. D. Witter.	
Burney	Shasta	3,300	8	45.0		80	21	15	4	41	2.62	0.00	1.42	0	2	24	5	1	n.	Mrs. M. D. Chambers.	
Calexico	Imperial	0	13	69.6	-0.4	96	30	44	6	43	0.00	-0.08	0.00	0	2	25	4	1	n.	H. M. Rouse.	
Camptonville (near)	Yuba	3,500	11	54.4		80	21	26	3	40	2.90	1.33	0.5	4	23	3	4	n.	Pacific Gas & Electric Co.		
Cedarville	Modoc	4,675	24	46.6	+0.4	75	22	15	3	39	0.25	-0.69	0.15	2.0	3	11	19	0	n.	T. H. Johnstone.	
Chico	Butte	189	48	57.6	-4.0	90	21	29	13	43	0.90	-0.72	0.36	0	4	23	4	3	n.	U. S. Bureau Plant Ind.	
Claremont	Los Angeles	1,200	26	58.6	+0.8	90	9	35	14	45	0.03	-0.70	0.03	0	1	16	9	5	sw.	Prof. F. P. Brackett.	
Cloverdale	Sonoma	840	16	57.8	0	90	20	31	3	43	1.05	-0.76	0.64	0	4	25	2	3	s.	John O. Ogle.	
Colfax	Placer	2,421	47	55.4	+1.1	86	20	32	13	40	2.29	-1.67	1.00	T.	4	26	3	1	.....	Southern Pacific Co.
Corona	Riverside	615	4	63.3		90	18	34	14	47	T.	T.	T.	0	2	31	6	nw.	T. C. Sias.		
Crescent City	Del Norte	125	4	48.4	-1.5	85	11	31	12	40	3.07	-1.80	1.90	0	4	22	3	5	nw.	Thos. E. Peacock.	
Davis	Yolo	51	46	59.2	-1.6	90	30	28	4	50	0.82	-0.35	0.67	0	0	25	4	1	n.	S. H. Beckett.	
Downville	Sierra	3,150	7	52.0		89	30	22	4	50	3.53	2.06	0.5	5	22	7	1	s.	J. T. Mason.		
Durham	Butte	160	23	58.2	+0.2	88	30	30	4	44	0.77	-0.81	0.41	0	3	24	3	3	n.	R. W. Durham.	
El Cajon	San Diego	482	19	60.4	+0.7	91	8	39	14	50	0.00	-0.63	0.00	0	0	29	1	0	sw.	Philip L. Kessler.	
Elsinore	Riverside	1,300	2	61.7		91	9	38	15	45	0.24	-0.85	0.10	0	0	13	7	10	se.	W. L. White.	
Escondido	San Diego	657	24	60.7	+2.3	90	20	36	4	50	0.00	0.00	0.00	0	5	13	7	19	4	w.	A. M. Moon.
EUREKA	Humboldt	64	32	50.8	+1.3	79	19	34	3	29	1.07	-2.86	0.74	0	0	13	9	8	n.	U. S. Weather Bureau.	
Folsom	Sacramento	252	45	59.0	-1.8	82	28	34	3	40	1.33	-0.60	0.81	0	4	19	7	4	ne.	G. I. Marvin.	
Fontana	San Bernardino	1,325	6	60.5		88	18	35	4	46	0.08	0.08	0.08	0	1	19	4	7	.....	Fontana Land Co.
Fort Bidwell	Modoc	4,375	29	45.3	-2.0	77	21	19	4	40	0.47	-1.08	0.39	0	3	14	11	5	sw.	C. R. Decious.	
FRESNO	Fresno	293	31	61.8	+0.6	89	22	37	4	33	T.	-0.71	T.	0	0	23	5	2	nw.	U. S. Weather Bureau.	
Grass Valley	Nevada	2,690	46	53.4		77	20	27	3	28	2.34	-1.86	1.30	T.	4	22	5	3	sw.	Mrs. L. M. Wentworth.	
Greenland Ranch	Inyo	-178	7	73.8		97	23	50	15	38	0.05	0.05	0.05	0	1	22	0	8	.....	O. A. Denton.
Hanford	Kings	249	18	60.2	-0.4	92	22	30	3	38	0.00	-0.58	0.00	0	0	30	0	0	n.	Santa Fe Co.	
Healdsburg	Sonoma	110	25	56.1	-0.8	89	17	31	3	46	1.03	-1.71	0.57	0	3	16	10	4	nw.	Dr. F. J. Kinley.	
Hollister	San Benito	284	44	56.4	-1.8	84	20	33	3	39	0.32	-0.73	0.25	0	3	12	17	1	w.	Grangers' Union.	
INDEPENDENCE	Inyo	3,907	22	57.4	+0.7	81	23	27	3	38	0.00	-0.13	0.00	0	0	22	6	2	nw.	U. S. Weather Bureau.	
Inskip	Butte	4,975	11	47.4		72	30	20	3	26	3.99	1.78	8.5	4	22	4	4	.....	Pacific Gas & Electric Co.	
Kennett	Shasta	5,730	6	61.1		85	20	32	4	47	1.62	-0.51	0.55	0	4	24	4	4	sw.	C. H. Kremers.	
King City	Monterey	383	31	68.2	+1.7	92	22	28	4	50	0.00	-0.51	0.00	0	0	24	2	4	n.	Southern Pacific Co.	
La Porte	Plumas	5,000	24	40.2	-2.0	67	30	17	4	31	3.12	-3.45	1.48	10.5	6	22	4	4	n.	C. W. Hendei.	
Lemon Cove	Tulare	600	23	61.0	-1.4	89	23	35	14	43	0.10	-1.47	0.10	0	1	22	4	4	nw.	T. E. Bence.	
Lick Observatory	Santa Clara	4,209	29	47.8	+1.4	71	21	25	13	21	0.67	-2.14	0.53	0	4	26	0	4	nw.	The Director.	
Lindsay	Tulare	384	4	60.8		93	22	28	4	48	0.20	0.20	0.20	0	1	19	10	1	nw.	Basil Prior.	
Lone Pine	Inyo	3,728	13	55.3	+0.1	79	27	28	4	40	0.00	-0.16	0.00	0	0	30	0	0	s.	G. F. Marsh.	
LOS ANGELES	Los Angeles	293	41	61.7	+2.3	86	8	46	4	32	0.15	-0.98	0.15	0	1	14	7	9	sw.	U. S. Weather Bureau.	
McCloud	Siskiyou	3,270	8	47.0		81	20	14	4	51	1.86	1.22	0.00	0	3	19	2	9	s.	McCloud River Lbr. Co.	
Madeline	Lassen	5,270	9	40.6		72	127	9	3	45	0.22	0.10	3.0	4	14	3	13	n.	J. H. Williams.		
Marysville	Yuba	67	47	56.9	-5.1	87	30	32	4	40	1.37	-0.03	0.67	0	3	25	3	2	s.	Southern Pacific Co.	
Mecca	Riverside	-185	12	72.2	+2.6	99	29	44	21	44	0.00	-0.12	0.00	0	0	19	10	1	nw.	E. A. Palmer.	
Merced	Merced	1,733	44	58.6	-1.4	86	22	32	14	39	0.03	-0.94	0.03	0	1	26	4	0	nw.	Santa Fe Co.	
MOONT TAMALPAIS	Marin	2,375	19	52.1	+2.6	76	20	32	13	29	1.11	-0.32	0.79	0	5	22	4	4	nw.	U. S. Weather Bureau.	
Mount Wilson	San Angeles	5,730	6	61.1		85	20	32	4	47	1.62	-0.51	0.55	0	4	24	4	4	sw.	Wendell F. Hoge.	
Napa	Napa	20	41	55.8	-1.8	84	18	29	4	39	0.07	-0.17	0.27	0	3	15	10	5	nw.	State Hospital.	
Needles	San Bernardino	477	26	69.3	-2.4	98	30	42	6	47	0.76	-0.02	0.66	0	1	19	5	6	.....	Santa Fe Co.
Nevada City	Nevada	2,850	26	49.2	-1.3	80	20	13	47	2.62	-1.68	1.36	T.	4	24	4	2	sw.	B. H. Preston.		
Newman	Stanislaus	91	29	57.8	-4.3	92	22	32	14	52	0.11	-0.59	0.06	0	2	.....	.....	.....	.....	E. S. Wangenheim.
Oakland	Alameda	36	42	55.9	+0.5	79	18	40	14	27	0.60	-0.96	0.54	0	3	15	9	6	nw.	Chabot Observatory.	
Orland	Glenn	254	36	59.0	-4.4	92	30	30	4	45	0.71	-0.45	0.50	0	2	23	4	4	n.	U. S. Rec. Service.	
Oroville (near)	Butte	250	34	59.0	-0.5	86	20	33	13	40	1.70	-0.10	0.62	0	4	22	2	6	nw.	E. D. Fairchild.	
Pasadena	Los Angeles	1,085	28	59.2	-0.9	88	8	35	14	43	0.25	-0.03	0.17	0	3	17	9	4	sw.	R. P. Hamlin.	
Paso Robles	San Luis Obispo	800	31	58.9	+1.1	90	121	27	4	52	0.00	-0.65	0.00	0	0	26	3	1	e.	Virginia Bartlett.	
Petaluma	Sonoma	4	53.0																		

Daily Precipitation for April, 1918.

Stations.	Watersheds.	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			
Alturas	Sacramento																																		0.30
Antioch	San Joaquin						.15																											0.55	
Atascadero	Coast																																	0.00	
Avalon §	Ocean																																	0.00	
Azusa ||§	Coast	T.	T.	.14																														0.14	
Bakersfield	San Joaquin																																	0.11	
Barstow §	Desert																																	T.	
Berkeley	Coast						T.	.06	.57				T.																					0.63	
Betteravia ||||	do				.05																													0.05	
Blue Canon ||||	Sacramento							1.13																										7.91	
Blythe	Colorado																																	T.	
Bonita ||||	Coast																																	0.00	
Branscomb	do								.40	.2	.15	.98																						5.17	
Brawley ||||	Imperial Valley																																	0.00	
Burney	Sacramento																																	2.02	
Caletico ||||	Imperial Valley																																	0.00	
Camptonville	San Joaquin		.01					1.33	T.	1.03																								2.90	
Cedarville	Mountain Lakes																																	0.25	
Chico	Sacramento								.35		.36	.15																						0.90	
Claremont |||| §	Coast																																	0.08	
Cloverdale	do						T.	.37	.03	.64																								1.05	
Colfax ||||	Sacramento		T.					.73			.14	1.00																						2.29	
Corona	Coast																																	T.	
Crescent City	do									1.90	.57																							3.07	
Davis	Sacramento							.15		.67																								0.82	
Downieville	do		.09					.77	.02	2.06																								3.53	
Durham	do						.33		.03	.41																								0.77	
El Cajon	Coast																																	0.00	
Elsinore ||||	do		.07																															0.24	
Escondido	do																																	10	
EUREKA ***	do						.08			.73	.01																							1.67	
Folsom	Sacramento							.33		.13	.81																							1.33	
Fontana §	Coast																																	0.08	
Fort Bidwell	Mountain Lakes																																	0.47	
FRESNO ***	San Joaquin						T.																											T.	
Grass Valley	Sacramento		.11					.92	.01	1.30																								2.34	
Greenland Ranch	Desert																																	0.05	
Hanford ||||	San Joaquin																																	0.00	
Healdsburg ||||	Coast							.35	.11	.57																								1.03	
Hollister	do							.02			.25	T.																						0.32	
INDEPENDENCE ***	Owens																																	0.00	
Inskip	Sacramento							.99	.26	1.78																								3.99	
Kennett	do							.52	.48	.55																								1.62	
King City	Coast																																	0.00	
La Porte	Sacramento		.07					T.	.96	.04	1.48	.01																						3.12	
Lemon Cove ||||	San Joaquin																																	0.10	
Lick Observatory	Coast																																	0.67	
Lindsay	San Joaquin																																	0.29	
Lone Pine	Owens																																	0.00	
LOS ANGELES *** §	Coast	.10	.05	T.																														0.15	
McCloud	Sacramento							.24	.40	1.22																								1.86	
Madeline	Mountain Lakes		.05					.03	T.	.04																								0.22	
Marysville	Sacramento						.40		.03	.67	.30																							1.37	
Mecca	Desert																																	0.00	
Merced ||||	San Joaquin							.03																										0.03	
MT. TAMALPAIS ***	Coast						.07	.16	.05	.74																								1.11	
Mount Wilson §	do		.08	.02																														0.37	
Napa	do							.19	T.	.56																								0.75	
Needles §	Colorado																																	0.06	
Nevada City	Sacramento		.08					.31	T.	1.36																								2.62	
Newman	San Joaquin							.05		.06																								0.11	
Oakland	Coast						T.	.04	T.	.54																								0.60	
Orland	Sacramento							.21		.50																								0.71	
Oroville (near)	do							.48		.62	.55																							1.70	
Pasadena §	Coast		.07	.17																														0.25	
Paso Robles ||||	do																																	0.00	
Petaluma	do							.15		.49																								0.64	
Placerville	Sacramento		T.				.40			1.10																								1.86	
POINT REYES ***	Coast						.15	.10	.13	.52																								0.91	
Pomona |||| §	do		T.	.02																														0.03	
Porterville ||||	San Joaquin																																	0.17	
Portola	Sacramento																																	0.05	
Red Bluff ***	do							.12	.19	.37																								0.68	
Redding ||||	do							.41	.30	.49				</																					

Daily Temperature for April, 1918.

Table with columns for Stations, 1-31, and Mean. Rows list various California cities like Bakersfield, Calexico, Chico, Escondido, Eureka, Fresno, Independence, Los Angeles, Merced, Mount Tamalpais, Oakland, Orland, Oroville, Paso Robles, Point Reyes, Pomona, Porterville, Red Bluff, Redlands, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, Santa Barbara, Santa Rosa, and Stockton.

SUPPLEMENTAL PRECIPITATION TABLE.

Table with columns for Stations, Watersheds, and Precip. inches. Rows list various locations and watersheds such as Abbotts, Aruanga, Alder Creek, Angiola, Antelope Valley, Arroyo Seco, Auberry, Auburn, Bagdad, Barrett Dam, Beaumont, Big Bar, Bishop, Bishop Creek, Bridgeport, Cahulla, Campbell, Camp Baldy, Camp Bonita, Campo, Camp Rincon, Canon Dam, Cascada, Centerville, Chester, China Flat, Churn Creek, Clovis, Clyde Ranch, Colby Springs, Coldbrook, Colusa, Covelo, Crockett, Cuyamaca, Deer Creek, Del Monte, Denair, De Sable, Dillon Ranch, Dinuba, Dobbins (near), East Park, Echo Mountain, Edison, Electra, Emigrant Gap, Fairmont, Fish Canyon, Fordyce Dam, Foresters Sanitar, Fort Bragg, Glennville, Gray Mountain, Grifley, Haines Canyon, Hansen's Ranch, Happy Camp, Hayfork, Head Dam, Helen Mine, Hetch Hetchy, Hullville (near), Huntington Lake, Indio, Iron Forks, Julian, Kennedy Mine, Kentfield, La Crescenta, La Jolla, Lake Eleanor, Lake Spaulding, Lancaster (near), Las Plumas, Le Grand, Live Oak Canyon, Livermore, Llano, Los Gatos, Lower Haines Cany, Lytle Creek, Magalia, Maricopa, Mariposa, May Canyon, Mesa Grande, Middlewater, Mill Creek-1, Milton (near), Mokelumne Hill, Monrovia Canyon, Montague, Montgomery Creek, Mountain Springs, Mouth S. Anton. C., Nellie, Niles, North Bloomfield, North Fork, North Lakeport, Oak Grove, Oceanside, Ojai Valley, O Meivany Camp, Opid Camp, Orleans, Orma, Pacoima, Parkfield, Peachland, Point Loma, Quincy, Reedley, Represa, Rohnerville, Ruth, San Antonio Can., S. Antonio Intake, San Gabriel Intake, San Miguel Island, Santa Anita, Santa Clara, Santa Monica, Seven Oaks, Shively, Sierra Alta Ranch, Sierra Madre, Sierraville, Sisson, Sister Elsie Peak, Springfield (near), Standish, Stanwood, Sterling, Stevenson Creek, Stirling City, Storey, Suisunville, Switzer's Camp, Tamarack, Tejon Rancho, Tujunga, Three Rivers, Tustin (near), Twin Valley, Upper Live Oak C., Veneta, Visalia, Walnut Creek, Warner Springs, Wells Meadows, West Branch, West Point, Weston Toll House, Yorba Linda.

Total Precipitation, Inches, April, 1918.



