

APPENDIX A
PRECIPITATION RECORDS

AD 11 1-5-29039
 11 11 1457-2935
 -33

Mariposa Ranger Station

Elev. 2100 ft.

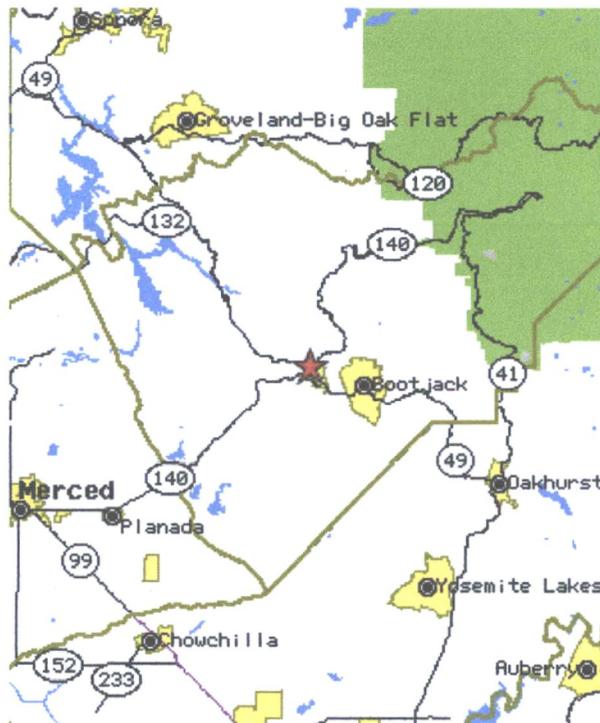
Normals (1981-2010)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	Month
Precipitation	5.29	6.22	4.26	1.94	0.83	0.18	T	0.05	0.52	1.77	3.19	5.25	29.48	Precipitation

Monthly

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	Season
2011	3.54	5.72	10.39	0.41	2.46	2.45	M	M	M	M	M	M	M	2011-12 M
2010	6.84	4.93	3.49	4.76	1.14	0	M	M	M	M	M	M	M	2010-11 M
2009	4.23	6.99	5.21	1.49	1.07	0.42	0	0	0.22	7.26	0.57	6.79	34.25	2009-10 36.00
2008	9.26	5.73	0.08	0.03	0.68	0	0	0	0	0.72	3.50	4.15	24.15	2008-09 26.71
2007	1.57	8.57	1.00	1.61	0.30	0	0	0.02	M	0.84	0.20	0.20	1.35	2007-08 M
2006	6.80	4.20	7.93	8.27	1.85	0	M	0	0	1.14	2.21	4.15	M	2006-07 M
2005	12.48	4.89	9.54	1.58	3.27	0	0	0.10	0.50	0.45	0.74	10.41	43.96	2005-06 41.25
2004	2.22	7.43	2.23	0.12	0.32	0	0	0	0.11	8.88	3.67	6.51	31.49	2004-05 60.93
2003	1.35	2.50	2.10	5.90	1.56	0	0.05	0.62	0	0	1.36	6.95	22.39	2003-04 21.30
2002	2.73	2.18	2.39	0	0	0	0	0	0.19	0	M	4.05	M	2002-03 M
2001	5.17	5.33	2.72	3.85	0	0	0.01	0	0.19	0.99	6.85	7.42	32.53	2001-02 22.76
2000	11.17	13.30	3.27	3.52	0.94	0.67	0	0	0.53	4.17	0.77	0.41	38.75	2000-01 22.95
1999	6.03	7.52	2.68	2.99	0.22	1.07	0	0	0	0	0.46	0.01	19.91	1999-00 33.34
1998	12.65	13.77	6.74	3.92	2.21	1.40	0	0	0.15	0.15	2.46	2.71	46.16	1998-99 24.91
1997	15.23	0.31	0.04	0.20	0.05	0.10	0	0.02	0.20	0.51	4.26	3.49	24.21	1997-98 49.17
1996	8.65	7.23	4.64	3.21	1.83	0.60	0	0	0	2.49	0.73	18.76	48.14	1996-97 37.91

Station closed on June 30, 2011



Map from tiger.census.gov

2012 WY Monthly Precipitation (ALL stations)

provided by the California Cooperative Snow Surveys
 For the period Oct 1, 2011 to Sep 30, 2012 Report generated: 10/18/2012 11:39

NORTH COAST																
Station	Elev.		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
SMITH RIVER																
Gasquet Ranger Station	384' (GAS)	Precip	6.34	10.12	8.10	20.34	5.52	27.89	12.15	2.46	4.03	.43	.00	.00	97.38	
		Average	7.53	14.14	16.37	16.45	11.95	11.08	6.47	4.43	.83	.56	.68	1.84	92.33	92.33
		%-avg	84%	72%	49%	124%	46%	252%	188%	56%	486%	77%	0%	0%	105%	105%
KLAMATH RIVER																
Callahan	3185' (CAL)	Precip	.99	.91	.63	3.85	1.00	4.95	1.96	.44	.76	.12	.00	.00	15.61	
		Average	1.40	2.75	3.67	3.68	2.58	2.14	1.38	.83	.67	.18	.29	.48	20.05	20.05
		%-avg	71%	33%	17%	105%	39%	231%	142%	53%	113%	67%	0%	0%	78%	78%
Fort Jones RS	2725' (FJN)	Precip	1.86	1.66	.56	4.24	1.32	4.28	1.52	.14	.73	.05	.06	.00	16.42	
		Average	1.50	2.90	4.16	4.25	2.80	2.09	1.08	.95	.77	.36	.42	.57	21.85	21.85
		%-avg	124%	57%	13%	100%	47%	205%	141%	15%	95%	14%	14%	0%	75%	75%
Yreka	2625' (YRK)	Precip	.96	1.13	.80	3.81	1.35	3.49	1.28	.17	1.42	.12	.00	.00	14.53	
		Average	1.41	2.19	3.50	3.24	2.18	1.70	.95	.91	.84	.30	.51	.55	18.28	18.28
		%-avg	68%	52%	23%	118%	62%	205%	135%	19%	169%	40%	0%	0%	79%	79%
Happy Camp RS	1120' (HAP)	Precip	3.87	8.16	2.80	11.17	1.48	16.05	4.74	.85	1.23	.58	.00	.00	50.93	
		Average	3.91	7.79	10.35	11.05	7.66	6.48	2.75	1.75	.78	.32	.37	.88	54.09	54.09
		%-avg	99%	105%	27%	101%	19%	248%	172%	49%	158%	181%	0%	0%	94%	94%
Klamath River At Orleans	430' (OLS)	Precip	4.89	5.05	2.20	12.34	3.64	13.56	4.59	.64	1.32	.28	.00	.00	48.51	
		Average	3.77	8.06	10.17	10.70	7.33	6.59	3.05	1.86	.58	.14	.49	1.10	53.84	53.84
		%-avg	130%	63%	22%	115%	50%	206%	150%	34%	228%	200%	0%	0%	90%	90%
TRINITY RIVER																
Weaverville RS	2050' (WVR)	Precip	4.17	3.02	.88	7.96	2.57	11.16	2.99	.15	.69	.45	.00	.00	34.04	
		Average	2.55	5.06	6.85	7.38	5.30	4.09	2.31	1.32	.75	.18	.34	.72	36.85	36.85
		%-avg	164%	60%	13%	108%	48%	273%	129%	11%	92%	250%	0%	0%	92%	92%
Big Bar	1270' (BGB)	Precip	3.26	2.95	.52	7.22	1.76	9.86	2.83	.22	.42	.40	.00	.00	29.44	
		Average	2.35	5.37	6.87	7.42	5.42	4.36	2.40	1.13	.64	.11	.29	.63	36.99	36.99
		%-avg	139%	55%	8%	97%	32%	226%	118%	19%	66%	364%	0%	0%	80%	80%
Hoopla	333' (HOO)	Precip	5.59	4.74	1.73	11.27	3.45	13.00	3.30	.80	1.30	.80	—	.00	—	—
		Average	4.24	8.58	11.12	10.37	7.99	7.06	3.44	1.86	.71	.16	.29	1.04	56.86	56.86
		%-avg	132%	55%	16%	109%	43%	184%	96%	43%	183%	500%	—	0%	—	—
EEL RIVER																
Covelo 1 Nne	1514' (COV)	Precip	4.22	2.88	1.11	7.19	2.30	10.56	3.14	.12	.56	—	.00	.00	—	—
		Average	2.59	5.45	7.50	8.13	6.32	5.45	2.26	1.01	.49	.10	.23	.56	40.09	40.09
		%-avg	163%	53%	15%	88%	36%	194%	139%	12%	114%	—	0%	0%	—	—
Standish Hickey Park	850' (SNH)	Precip	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Average	5.19	9.69	14.34	14.48	10.31	9.08	4.48	2.48	.80	.09	.27	.75	71.96	71.96
		%-avg	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotia	139' (SCA)	Precip	2.82	4.29	1.07	7.27	4.20	13.39	3.84	.91	1.03	.76	.02	—	—	—
		Average	3.31	6.04	8.68	9.08	7.45	6.35	3.31	1.65	.57	.05	.22	.62	47.33	47.33
		%-avg	85%	71%	12%	80%	56%	211%	116%	55%	181%	1520%	9%	—	—	—
Eureka Woodley Island	20' (ERK)	Precip	4.21	3.86	2.22	7.76	2.63	12.02	4.76	.77	2.00	.67	.07	.04	41.01	
		Average	2.99	5.54	6.41	6.50	5.17	5.21	2.87	1.81	.61	.11	.24	.76	38.22	38.22
		%-avg	141%	70%	35%	119%	51%	231%	166%	43%	328%	609%	29%	5%	107%	107%
RUSSIAN RIVER																
Ukiah	633' (UKH)	Precip	3.54	2.37	.03	5.21	1.40	12.22	1.55	.29	.00	.00	.00	.01	26.62	
		Average	2.03	4.60	7.13	7.92	5.88	4.32	2.33	.94	.35	.06	.03	.39	35.98	35.98
		%-avg	174%	52%	0%	66%	24%	283%	67%	31%	0%	0%	0%	3%	74%	74%
Fort Ross	112' (FRR)	Precip	3.61	3.20	.59	7.38	2.21	—	2.17	.85	.34	—	.22	—	—	—
		Average	2.47	4.86	6.68	7.96	6.13	4.85	2.93	1.13	.49	.10	.21	.52	38.33	38.33
		%-avg	146%	66%	9%	93%	36%	—	74%	75%	69%	—	105%	—	—	—
Santa Rosa	109' (SRO)	Precip	2.07	2.07	.09	6.31	2.16	7.79	2.43	.08	.04	.00	.00	.00	23.04	
		Average	1.72	3.37	5.27	6.33	4.76	3.73	2.23	.71	.28	.06	.11	.28	28.85	28.85
		%-avg	120%	61%	2%	100%	45%	209%	109%	11%	14%	0%	0%	0%	80%	80%
Russian River Near Healdsburg	108' (HEA)	Precip	2.86	3.09	—	9.41	—	9.44	—	.13	.02	—	.00	.00	—	—
		Average	2.34	5.06	7.68	9.14	7.10	4.83	2.74	.86	.35	.06	.14	.37	40.67	40.67
		%-avg	122%	61%	—	103%	—	195%	—	15%	6%	—	0%	0%	—	—
SAN FRANCISCO BAY																
NORTH SF BAY AREA																
Angwin Pacific Union Col	1815' (APU)	Precip	2.86	2.74	.20	7.16	.65	11.47	2.87	.31	.07	—	.00	.00	—	—
		Average	2.32	4.42	7.24	8.84	6.69	4.99	2.69	.83	.31	.06	.12	.33	38.84	38.84
		%-avg	123%	62%	3%	81%	10%	230%	107%	37%	23%	—	0%	0%	—	—

Sonora RS	1749' (SOR)	Precip Average %-avg	2.10 1.67 126%	1.12 3.62 31%	.90 5.31 17%	4.76 5.99 79%	1.45 5.60 26%	5.83 4.78 122%	4.96 2.94 169%	.00 1.08 0%	.44 .26 169%	.02 .05 40%	.02 .08 25%	.04 .37 11%	21.64 31.75 68%	31.75 68%
Moccasin	938' (MCN)	Precip Average %-avg	1.47 1.27 116%	1.10 3.38 33%	.01 4.21 0%	3.89 4.15 94%	1.81 4.11 44%	5.92 4.42 134%	5.97 2.65 225%	.02 .92 2%	.48 .20 240%	.00 .03 0%	.00 .09 0%	.09 .40 22%	20.76 25.83 80%	25.84 80%
MERCED - FRESNO RIVERS																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
South Entrance Yosemite	5120' (SEY)	Precip Average %-avg	2.21 1.56 142%	1.27 5.19 24%	.00 7.32 0%	4.43 9.07 49%	1.34 7.31 18%	5.06 6.08 83%	2.17 4.29 51%	.06 1.67 4%	.40 .64 62%	.07 .12 58%	.00 .11 0%	.00 .79 0%	17.01 44.15 39%	44.15 39%
Yosemite Headquarters	3966' (YSV)	Precip Average %-avg	2.80 1.72 163%	1.07 4.22 25%	.00 6.58 0%	5.11 6.71 76%	2.24 6.27 36%	5.97 4.94 121%	4.78 3.24 148%	.28 1.41 20%	.64 .57 112%	.08 .28 29%	.00 .20 0%	.00 .62 0%	22.97 36.76 62%	36.76 62%
Mariposa Ranger Station	2250' (MRP)	Precip Average %-avg	1.15 1.43 80%	.39 3.40 11%	.00 5.22 0%	1.01 5.42 19%	.91 5.54 16%	.60 4.36 14%	4.90 2.68 183%	.00 .92 0%	— .20 —	— .04 —	— .39 —	— .04 —	29.64 — —	29.64 —
New Exchequer-Lk Mcclure	879' (EXC)	Precip Average %-avg	1.21 .89 136%	.73 2.13 34%	.00 3.21 0%	2.47 3.35 74%	1.03 3.39 30%	4.47 3.03 148%	3.62 1.88 193%	.00 .55 0%	.27 .14 193%	.01 .03 33%	.00 .03 0%	.08 .25 32%	13.89 18.88 74%	18.88 74%
SAN JOAQUIN RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Florence Lake (Sce)	7325' (FLR)	Precip Average %-avg	1.94 .96 202%	1.69 2.49 68%	.00 4.39 0%	2.98 4.09 73%	.66 3.61 18%	3.88 3.15 123%	1.18 1.94 61%	.13 1.09 12%	— .48 0%	.00 .76 —	— .67 —	— .75 —	— 24.38 —	24.38 —
Big Creek 1	4878' (BGC)	Precip Average %-avg	2.57 1.64 157%	1.18 3.74 32%	.00 4.90 0%	4.17 6.54 64%	1.39 5.48 25%	4.11 5.52 74%	4.05 3.27 124%	.15 1.63 9%	— .59 —	— .21 —	— .15 —	— .89 —	— 34.56 —	34.56 —
North Fork R S	2630' (NFR)	Precip Average %-avg	3.08 1.41 218%	1.49 3.49 43%	.00 5.95 0%	6.23 6.19 101%	1.49 6.02 25%	5.66 5.15 110%	4.55 3.12 146%	.01 1.23 1%	.00 .29 0%	.00 .06 0%	.00 .44 0%	.00 .00 0%	22.51 33.39 67%	33.39 67%
Auberry 2 Nw	2090' (ABR)	Precip Average %-avg	1.69 1.14 148%	1.37 3.02 45%	.00 3.95 0%	4.64 4.09 113%	1.32 4.01 33%	4.92 4.01 123%	3.73 2.32 161%	.00 .85 0%	.07 .13 54%	.00 .04 0%	— .04 0%	.00 .45 0%	— 24.05 —	24.05 —
TULARE LAKE																
Station	Elev.															
TULARE LAKE BASIN FLOOR																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Coalinga	670' (CLN)	Precip Average %-avg	.32 .26 123%	.98 .76 129%	.00 1.28 0%	.62 1.47 42%	.02 1.68 1%	1.08 1.03 105%	1.93 .59 327%	.00 .23 0%	.00 .06 0%	.00 .03 100%	.00 .02 0%	.00 .09 0%	4.95 7.58 81%	7.58 65%
Bakersfield Airport	494' (BFK)	Precip Average %-avg	.55 .31 177%	.76 .55 138%	.00 .84 0%	.44 1.04 42%	.29 1.18 25%	1.27 1.00 127%	1.62 .74 219%	.00 .23 0%	.00 .09 0%	.02 .02 100%	.00 .03 0%	.00 .09 0%	4.95 6.12 81%	6.12 81%
Lindsay	420' (LND)	Precip Average %-avg	1.01 .50 202%	1.08 1.20 90%	.00 1.92 0%	1.45 2.20 66%	.34 2.11 16%	2.27 1.84 123%	3.85 1.25 308%	.00 .43 0%	.00 .09 0%	.00 .01 0%	.00 .04 0%	.00 .20 0%	10.00 11.79 85%	11.79 85%
Wasco	345' (WSC)	Precip Average %-avg	.58 .30 193%	1.06 .64 166%	.03 .99 3%	.29 1.18 25%	.30 1.16 23%	1.26 1.16 109%	1.50 .85 176%	.00 .24 0%	.00 .06 0%	.00 .02 0%	.00 .18 0%	.00 .00 72%	5.02 6.93 72%	6.93 72%
Fresno Wb Airport	328' (FRO)	Precip Average %-avg	.90 .48 188%	.67 1.11 60%	.00 1.76 0%	1.38 2.01 69%	.75 2.08 36%	2.43 1.85 131%	2.02 1.08 187%	.00 .28 0%	.00 .07 0%	.00 .00 0%	.00 .02 0%	.00 .15 0%	8.15 10.89 75%	10.89 75%
Visalia	325' (VSL)	Precip Average %-avg	.00 .46 0%	.37 .98 38%	.00 1.75 0%	.42 2.04 21%	.31 2.10 15%	1.60 1.74 92%	2.78 1.06 262%	.00 .32 0%	.35 .07 500%	.00 .02 0%	.00 .01 0%	.00 .12 0%	5.83 10.67 55%	10.67 55%
Hanford Refinery	242' (HND)	Precip Average %-avg	.48 .26 185%	.71 .96 74%	.01 1.18 1%	.61 1.55 39%	.45 1.43 31%	1.72 1.11 155%	1.79 .76 236%	.03 .26 12%	.00 .05 0%	.00 .01 0%	.00 .02 0%	.00 .21 0%	5.80 7.80 74%	7.80 74%
KINGS RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Grant Grove	6600' (GRO)	Precip Average %-avg	4.10 1.96 209%	2.68 5.16 52%	.00 7.81 0%	6.40 7.48 86%	1.56 7.22 22%	6.88 7.56 91%	6.37 4.32 147%	.26 1.17 22%	.25 .28 89%	.00 .06 0%	.04 .07 57%	.00 .54 0%	28.54 43.63 65%	43.63 65%
Pine Flat Dam	970' (PNF)	Precip Average %-avg	1.98 .83 239%	1.15 1.82 63%	.00 3.37 0%	2.94 3.77 78%	1.61 3.46 47%	3.51 3.05 115%	3.20 1.86 172%	.02 .60 3%	.01 .11 9%	.00 .02 0%	.01 .00 0%	.00 .19 0%	14.43 19.08 76%	19.08 76%
KAWEAH RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Hockett Meadow (Usace)	8500' (HCK)	Precip Average %-avg	3.42 1.20 285%	2.92 3.60 81%	.00 5.40 0%	7.80 6.80 115%	2.30 6.30 37%	6.21 6.20 100%	4.93 3.10 159%	.72 1.30 55%	.42 .80 52%	.50 .60 83%	1.20 .70 600%	.47 .20 67%	30.89 36.20 85%	36.20 85%
Bear Trap Meadow	6800' (BRM)	Precip Average %-avg	6.82 1.70 401%	1.94 4.70 41%	.00 8.50 0%	8.11 8.60 94%	2.23 8.70 26%	6.54 7.00 93%	1.11 5.40 21%	.00 1.90 0%	.00 .70 0%	.00 .10 0%	.00 .20 0%	.00 .50 0%	26.75 48.00 56%	48.00 56%

2011 WY Monthly Precipitation (ALL stations)

provided by the California Cooperative Snow Surveys

For the period Oct 1, 2010 to Sep 30, 2011 Report generated: 01/05/2012 09:36

NORTH COAST																
Station	Elev.		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
SMITH RIVER																
Gasquet Ranger Station	384' (GAS)	Precip	8.40	12.42	25.00	4.91	9.53	26.47	10.25	4.67	1.62	.39	.00	.34	104.00	
		Average	7.53	14.14	16.37	16.45	11.95	11.08	6.47	4.43	.83	.56	.68	1.84	92.33	92.33
		%-avg	112%	88%	153%	30%	80%	239%	158%	105%	195%	70%	0%	18%	113%	113%
KLAMATH RIVER																
Callahan	3185' (CAL)	Precip	4.34	1.66	5.65	.91	1.06	5.42	.96	1.54	1.42	.42	.23	.09	23.70	
		Average	1.40	2.75	3.67	3.68	2.58	2.14	1.38	.83	.67	.18	.29	.48	20.05	20.05
		%-avg	310%	60%	154%	25%	41%	253%	70%	186%	212%	233%	79%	19%	118%	118%
Fort Jones RS	2725' (FJN)	Precip	3.25	2.64	4.94	1.08	1.53	5.13	.77	1.76	1.60	.36	.00	.13	23.19	
		Average	1.50	2.90	4.16	4.25	2.80	2.09	1.08	.95	.77	.36	.42	.57	21.85	21.85
		%-avg	217%	91%	119%	25%	55%	245%	71%	185%	208%	100%	0%	23%	106%	106%
Yreka	2625' (YRK)	Precip	3.39	2.32	4.19	1.05	1.19	5.41	.89	1.50	1.33	1.09	.06	.05	22.47	
		Average	1.41	2.19	3.50	3.24	2.18	1.70	.95	.91	.84	.30	.51	.55	18.28	18.28
		%-avg	240%	106%	120%	32%	55%	318%	94%	165%	158%	363%	12%	9%	123%	123%
Happy Camp RS	1120' (HAP)	Precip	4.35	6.33	14.47	2.73	4.95	13.10	3.01	1.89	1.00	.22	.00	.28	52.33	
		Average	3.91	7.79	10.35	11.05	7.66	6.48	2.75	1.75	.78	.32	.37	.88	54.09	54.09
		%-avg	111%	81%	140%	25%	65%	202%	109%	108%	128%	69%	0%	32%	97%	97%
Klamath River At Orleans	430' (OLS)	Precip	9.03	6.01	14.04	3.12	4.48	13.05	4.87	2.36	1.78	.12	.00	.20	59.06	
		Average	3.77	8.06	10.17	10.70	7.33	6.59	3.05	1.86	.58	.14	.49	1.10	53.84	53.84
		%-avg	240%	75%	138%	29%	61%	198%	160%	127%	307%	86%	0%	18%	110%	110%
TRINITY RIVER																
Weaverville RS	2050' (WVR)	Precip	9.15	4.51	9.44	2.50	3.01	10.74	2.25	3.15	2.20	.28	.00	.09	47.32	
		Average	2.55	5.06	6.85	7.38	5.30	4.09	2.31	1.32	.75	.18	.34	.72	36.85	36.85
		%-avg	359%	89%	138%	34%	57%	263%	97%	239%	293%	156%	0%	12%	128%	128%
Big Bar	1270' (BGB)	Precip	6.91	4.41	10.15	1.30	3.08	9.51	2.73	1.79	2.65	.12	.00	.11	42.76	
		Average	2.35	5.37	6.87	7.42	5.42	4.36	2.40	1.13	.64	.11	.29	.63	36.99	36.99
		%-avg	294%	82%	148%	18%	57%	218%	114%	158%	414%	109%	0%	17%	116%	116%
Hoopla	333' (HOO)	Precip	—	8.80	9.00	2.80	5.30	16.60	4.40	2.50	1.40	—	.00	.10	—	—
		Average	4.24	8.58	11.12	10.37	7.99	7.06	3.44	1.86	.71	.16	.29	1.04	56.86	56.86
		%-avg	—	103%	81%	27%	66%	235%	128%	134%	197%	—	0%	10%	—	—
EEL RIVER																
Covelo 1 Nne	1514' (COV)	Precip	8.45	4.36	10.52	2.20	3.90	12.12	—	3.36	1.19	.02	.00	.10	—	—
		Average	2.59	5.45	7.50	8.13	6.32	5.45	2.26	1.01	.49	.10	.23	.56	40.09	40.09
		%-avg	326%	80%	140%	27%	62%	222%	—	333%	243%	20%	0%	18%	—	—
Standish Hickey Park	850' (SNH)	Precip	10.49	6.03	18.20	—	—	—	—	—	—	—	—	—	—	—
		Average	5.19	9.69	14.34	14.48	10.31	9.08	4.48	2.48	.80	.09	.27	.75	71.96	71.96
		%-avg	202%	62%	127%	—	—	—	—	—	—	—	—	—	—	—
Scotia	139' (SCA)	Precip	4.16	4.94	14.02	1.73	5.70	15.08	3.89	2.34	1.11	.24	.01	.19	53.41	
		Average	3.31	6.04	8.68	9.08	7.45	6.35	3.31	1.65	.57	.05	.22	.62	47.33	47.33
		%-avg	126%	82%	162%	19%	77%	237%	118%	142%	195%	480%	5%	31%	113%	113%
Eureka Woodley Island	20' (ERK)	Precip	4.26	4.69	10.08	2.23	3.62	11.88	4.07	1.43	1.29	.17	.04	.37	44.13	
		Average	2.99	5.54	6.41	6.50	5.17	5.21	2.87	1.81	.61	.11	.24	.76	38.22	38.22
		%-avg	142%	85%	157%	34%	70%	228%	142%	79%	211%	155%	17%	49%	115%	115%
RUSSIAN RIVER																
Ukiah	633' (UKH)	Precip	7.97	3.26	9.12	2.21	4.94	12.60	.69	2.47	1.99	.00	.00	.00	45.25	
		Average	2.03	4.60	7.13	7.92	5.88	4.32	2.33	.94	.35	.06	.03	.39	35.98	35.98
		%-avg	393%	71%	128%	28%	84%	292%	30%	263%	569%	0%	0%	0%	126%	126%
Fort Ross	112' (FRR)	Precip	5.86	4.22	—	.91	4.51	5.55	1.06	2.38	1.94	—	—	.15	—	—
		Average	2.47	4.86	6.68	7.96	6.13	4.85	2.93	1.13	.49	.10	.21	.52	38.33	38.33
		%-avg	237%	87%	—	11%	74%	114%	36%	211%	396%	—	—	29%	—	—
Santa Rosa	109' (SRO)	Precip	5.14	3.13	8.38	1.68	5.71	10.44	.66	2.41	1.62	.00	.00	.01	39.18	
		Average	1.72	3.37	5.27	6.33	4.76	3.73	2.23	.71	.28	.06	.11	.28	28.85	28.85
		%-avg	299%	93%	159%	27%	120%	280%	30%	339%	579%	0%	0%	4%	136%	136%
Russian River Near Healdsburg	108' (HEA)	Precip	5.08	3.86	10.79	2.73	6.27	—	—	—	—	—	.00	.00	—	—
		Average	2.34	5.06	7.68	9.14	7.10	4.83	2.74	.86	.35	.06	.14	.37	40.67	40.67
		%-avg	217%	76%	140%	30%	88%	—	—	—	—	—	0%	0%	—	—
SAN FRANCISCO BAY																
NORTH SF BAY AREA																
Angwin Pacific Union Col	1815' (APU)	Precip	5.26	3.69	11.31	2.34	7.18	13.00	.97	2.78	2.66	—	—	.03	—	—
		Average	2.32	4.42	7.24	8.84	6.69	4.99	2.69	.83	.31	.06	.12	.33	38.84	38.84
		%-avg	227%	83%	156%	26%	107%	261%	36%	335%	858%	—	—	9%	—	—

Sonora RS	1749' (SOR)	Precip Average %-avg	4.80 1.67 287%	7.45 3.62 206%	10.55 5.31 199%	2.49 5.99 42%	5.66 5.60 101%	12.65 4.78 265%	.53 2.94 18%	2.61 1.08 242%	1.87 .26 719%	.00 .05 0%	.00 .08 0%	.00 .37 0%	48.61 31.75 153%	31.75 153%
Moccasin	938' (MCN)	Precip Average %-avg	3.82 1.27 301%	5.50 3.38 163%	10.13 4.21 241%	2.88 4.15 69%	6.60 4.11 161%	13.35 4.42 302%	1.54 2.65 58%	3.43 .92 373%	3.72 .20 1860%	.00 .03 0%	.00 .09 0%	.00 .40 0%	50.97 25.83 197%	25.84 197%
MERCED - FRESNO RIVERS																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
South Entrance Yosemite	5120' (SEY)	Precip Average %-avg	6.41 1.56 411%	1.22 5.19 24%	14.27 7.32 195%	2.52 9.07 28%	5.52 7.31 76%	12.12 6.08 199%	1.05 4.29 24%	2.58 1.67 154%	2.55 .64 398%	— .12 —	— .11 —	— .79 —	44.15 — —	44.15 — —
Yosemite Headquarters	3966' (YSV)	Precip Average %-avg	6.16 1.72 358%	6.57 4.22 156%	16.14 6.58 245%	2.95 6.71 44%	6.68 6.27 107%	13.24 4.94 268%	1.63 3.24 50%	2.76 1.41 196%	1.93 .57 339%	.00 .28 0%	.11 .20 55%	2.31 .62 373%	60.48 36.76 165%	36.76 165%
Mariposa Ranger Station	2250' (MRP)	Precip Average %-avg	.56 1.43 39%	5.36 3.40 158%	13.80 5.22 264%	3.54 5.42 65%	5.72 5.54 103%	10.39 4.36 238%	.41 2.68 15%	2.46 .92 267%	1.70 .20 850%	— .04 —	— .04 —	— .39 —	29.64 — —	29.64 — —
New Exchequer-Lk Mcclure	879' (EXC)	Precip Average %-avg	1.52 .89 171%	3.43 2.13 161%	7.63 3.21 238%	2.02 3.35 60%	3.83 3.39 113%	7.35 3.03 243%	.72 1.88 38%	1.44 .55 262%	2.03 .14 1450%	.00 .03 0%	.00 .03 0%	.01 .25 4%	29.98 18.88 159%	18.88 159%
SAN JOAQUIN RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Florence Lake (Sce)	7325' (FLR)	Precip Average %-avg	6.63 .96 691%	2.29 2.49 92%	5.74 4.39 131%	1.75 4.09 43%	.68 3.61 19%	6.58 3.15 209%	.77 1.94 40%	1.19 1.09 109%	1.45 .48 302%	3.41 .76 449%	.00 .67 0%	1.47 .75 196%	31.96 24.38 131%	24.38 131%
Big Creek 1	4878' (BGC)	Precip Average %-avg	4.84 1.64 295%	3.55 3.74 95%	12.26 4.90 250%	2.47 6.54 38%	4.46 5.48 81%	9.08 5.52 164%	1.65 3.27 50%	2.66 1.63 163%	2.48 .59 420%	.00 .21 0%	.00 .15 0%	.43 .89 48%	43.88 34.56 127%	43.88 127%
North Fork R S	2630' (NFR)	Precip Average %-avg	6.44 1.41 457%	4.06 3.49 116%	16.56 5.95 278%	6.64 6.19 107%	6.75 5.15 112%	13.07 6.02 254%	1.49 3.12 48%	2.87 1.23 233%	2.12 .29 731%	.13 .06 217%	.00 .04 0%	.03 .44 7%	60.16 33.39 180%	33.39 180%
Auberry 2 Nw	2090' (ABR)	Precip Average %-avg	3.62 1.14 318%	3.72 3.02 123%	12.57 3.95 318%	3.18 4.09 60%	4.67 4.01 116%	9.23 4.01 230%	.65 2.32 28%	1.77 .85 208%	1.63 .13 1254%	.35 .04 875%	.00 .04 0%	.03 .45 7%	41.42 24.05 172%	24.05 172%
TULARE LAKE																
Station	Elev.															
TULARE LAKE BASIN FLOOR																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Coalinga	670' (CLN)	Precip Average %-avg	.04 .26 15%	.33 .76 43%	1.63 1.28 127%	1.32 1.47 90%	.14 1.68 8%	2.28 1.03 221%	.05 .59 8%	.24 .23 104%	.05 .06 83%	.00 .03 0%	.00 .02 0%	.01 .17 6%	6.09 7.58 80%	7.58 80%
Bakersfield	494' (BFK)	Precip Average %-avg	.59 .31 190%	.84 .55 153%	5.82 .84 693%	.40 1.04 38%	.49 1.18 42%	1.67 1.00 167%	.21 .74 28%	.23 .23 100%	.08 .09 89%	.00 .02 0%	.00 .03 0%	.00 .09 0%	10.33 6.12 169%	6.12 169%
Lindsay	420' (LND)	Precip Average %-avg	.88 .50 176%	2.27 1.20 189%	8.11 1.92 422%	1.56 2.20 71%	1.83 2.11 87%	4.04 1.84 220%	.71 1.25 57%	.48 .43 112%	.38 .09 422%	.00 .01 0%	.03 .04 75%	.02 .20 10%	20.31 11.79 172%	11.79 172%
Wasco	345' (WSC)	Precip Average %-avg	.00 .30 0%	.72 .64 112%	6.02 .99 608%	.40 1.18 34%	.31 1.31 24%	1.37 1.16 118%	.38 .85 45%	.32 .24 133%	.81 .06 1350%	.00 .02 0%	.00 .00 —	.00 .18 0%	10.33 6.93 149%	6.93 149%
Fresno Wb Ap	328' (FRO)	Precip Average %-avg	.44 .48 92%	1.80 1.11 162%	5.92 1.76 336%	1.72 2.01 86%	2.60 1.85 77%	3.46 1.85 187%	.32 1.08 30%	.35 .28 125%	1.91 .07 2729%	.00 .00 —	.00 .02 0%	.00 .15 0%	17.52 10.89 161%	10.89 161%
Visalia	325' (VSL)	Precip Average %-avg	.67 .46 146%	1.33 .98 136%	6.33 1.75 362%	1.24 2.04 61%	.95 2.10 45%	2.37 1.74 136%	.36 1.06 34%	.34 .32 106%	.60 .07 857%	.00 .02 0%	.00 .01 0%	.00 .12 0%	14.19 10.67 133%	10.67 133%
Hanford Refinery	242' (HND)	Precip Average %-avg	.76 .26 292%	1.24 .96 129%	5.29 1.18 448%	.88 1.55 57%	.96 1.43 67%	2.70 1.11 243%	.32 .76 42%	.41 .26 158%	.91 .05 1820%	.04 .01 400%	.00 .02 0%	.00 .21 0%	13.51 7.80 173%	7.80 173%
KINGS RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Grant Grove	6600' (GRO)	Precip Average %-avg	4.59 1.96 234%	5.90 5.16 114%	21.17 7.81 271%	3.56 7.48 48%	7.54 7.22 104%	12.99 7.56 172%	1.40 4.32 32%	3.47 1.17 297%	.84 .28 300%	.00 .06 0%	.19 .07 271%	.77 .54 143%	62.42 43.63 143%	43.63 143%
Pine Flat Dam	970' (PNF)	Precip Average %-avg	2.06 .83 248%	3.58 1.82 197%	12.13 3.37 360%	2.50 3.77 66%	2.72 3.46 79%	6.10 3.05 200%	.64 1.86 34%	1.09 .60 182%	2.01 .11 1827%	.05 .02 250%	.00 .00 —	.00 .19 0%	32.88 19.08 172%	19.08 172%
KAWEAH RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Hockett Meadow (Usace)	8500' (HCK)	Precip Average %-avg	1.61 1.20 134%	6.22 3.60 173%	13.21 5.40 245%	12.11 6.80 178%	1.95 6.30 31%	15.72 6.20 254%	2.05 3.10 66%	3.83 1.30 295%	.62 .80 77%	2.95 .60 492%	.44 .20 220%	4.72 .70 674%	65.43 36.20 181%	36.20 181%
Bear Trap Meadow	6800' (BRM)	Precip Average %-avg	3.32 1.70 195%	6.12 4.70 130%	24.35 8.50 286%	5.79 8.60 67%	3.34 8.70 38%	18.61 7.00 266%	4.74 5.40 88%	4.35 1.90 229%	1.91 .70 273%	1.14 .10 1140%	.64 .20 320%	1.62 .50 324%	75.93 48.00 158%	48.00 158%

2013 WY Monthly Precipitation (ALL stations)

provided by the California Cooperative Snow Surveys

For the period Oct 1, 2012 to Sep 30, 2013 Report generated: 10/10/2013 10:42

NORTH COAST																
Station	Elev.		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
SMITH RIVER																
Gasquet Ranger Station	384' (GAS)	Precip	6.82	17.06	25.24	5.26	4.62	5.76	6.28	3.74	2.34	.00	.44	10.65	88.21	
		Average	7.53	14.14	16.37	16.45	11.95	11.08	6.47	4.43	.83	.56	.68	1.84	92.33	92.33
		%-avg	91%	121%	154%	32%	39%	52%	97%	84%	282%	0%	65%	579%	96%	96%
KLAMATH RIVER																
Callahan	3185' (CAL)	Precip	.84	4.47	4.37	.69	.34	1.62	.44	2.16	.17	1.53	.35	1.48	18.46	
		Average	1.40	2.75	3.67	3.68	2.58	2.14	1.38	.83	.67	.18	.29	.48	20.05	20.05
		%-avg	60%	163%	119%	19%	13%	76%	32%	260%	25%	850%	121%	308%	92%	92%
Fort Jones RS	2725' (FJN)	Precip	.73	3.58	7.18	2.86	.55	.77	1.29	1.96	.30	.00	.55	1.65	21.42	
		Average	1.50	2.90	4.16	4.25	2.80	2.09	1.08	.95	.77	.36	.42	.57	21.85	21.85
		%-avg	49%	123%	173%	67%	20%	37%	119%	206%	39%	0%	131%	289%	98%	98%
Yreka	2625' (YRK)	Precip	.45	3.57	5.61	1.54	.41	.71	.91	1.43	.12	.00	.90	1.16	16.81	
		Average	1.41	2.19	3.50	3.24	2.18	1.70	.95	.91	.84	.30	.51	.55	18.28	18.28
		%-avg	32%	163%	160%	48%	19%	42%	96%	157%	14%	0%	176%	211%	92%	92%
Happy Camp RS	1120' (HAP)	Precip	4.19	10.25	—	2.23	.82	3.19	3.15	1.32	.21	.00	.73	3.49	—	—
		Average	3.91	7.79	10.35	11.05	7.66	6.48	2.75	1.75	.78	.32	.37	.88	54.09	54.09
		%-avg	107%	132%	—	20%	11%	49%	115%	75%	27%	0%	197%	397%	—	—
Klamath River At Orleans	430' (OLS)	Precip	4.18	7.32	15.00	2.40	1.56	3.04	2.36	1.90	.66	.04	.32	4.56	43.34	
		Average	3.77	8.06	10.17	10.70	7.33	6.59	3.05	1.86	.58	.14	.49	1.10	53.84	53.84
		%-avg	111%	91%	147%	22%	21%	46%	77%	102%	114%	29%	65%	415%	80%	80%
TRINITY RIVER																
Weaverville RS	2050' (WVR)	Precip	1.52	7.44	13.88	1.48	.64	3.00	1.39	1.24	.90	.71	.91	1.43	34.54	
		Average	2.55	5.06	6.85	7.38	5.30	4.09	2.31	1.32	.75	.18	.34	.72	36.85	36.85
		%-avg	60%	147%	203%	20%	12%	73%	60%	94%	120%	394%	268%	199%	94%	94%
Big Bar	1270' (BGB)	Precip	1.37	6.58	10.30	1.34	.90	2.41	1.52	.88	—	—	—	—	—	—
		Average	2.35	5.37	6.87	7.42	5.42	4.36	2.40	1.13	.64	.11	.29	.63	36.99	36.99
		%-avg	58%	123%	150%	18%	17%	55%	63%	78%	—	—	—	—	—	—
Hoopa	333' (HOO)	Precip	3.07	7.57	17.44	1.99	1.70	2.82	2.05	1.18	.76	.00	.34	4.98	43.90	
		Average	4.24	8.58	11.12	10.37	7.99	7.06	3.44	1.86	.71	.16	.29	1.04	56.86	56.86
		%-avg	72%	88%	157%	19%	21%	40%	60%	63%	107%	0%	117%	479%	77%	77%
EEL RIVER																
Covelo 1 Nne	1514' (COV)	Precip	2.48	6.07	11.92	.20	.99	2.70	2.35	.40	.29	—	.00	—	—	—
		Average	2.59	5.45	7.50	8.13	6.32	5.45	2.26	1.01	.49	.10	.23	.56	40.09	40.09
		%-avg	96%	111%	159%	2%	16%	50%	104%	40%	59%	—	0%	—	—	—
Standish Hickey Park	850' (SNH)	Precip	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Average	5.19	9.69	14.34	14.48	10.31	9.08	4.48	2.48	.80	.09	.27	.75	71.96	71.96
		%-avg	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotia	139' (SCA)	Precip	2.24	8.66	14.44	3.02	1.47	3.45	1.61	.87	.37	.00	.50	3.78	40.41	
		Average	3.31	6.04	8.68	9.08	7.45	6.35	3.31	1.65	.57	.05	.22	.62	47.33	47.33
		%-avg	68%	143%	166%	33%	20%	54%	49%	53%	65%	0%	227%	610%	85%	85%
Eureka Woodley Island	20' (ERK)	Precip	2.72	6.36	10.97	2.57	1.78	3.09	2.44	1.17	.43	.00	.08	3.14	34.75	
		Average	2.99	5.54	6.41	6.50	5.17	5.21	2.87	1.81	.61	.11	.24	.76	38.22	38.22
		%-avg	91%	115%	171%	40%	34%	59%	85%	65%	70%	0%	33%	413%	91%	91%
RUSSIAN RIVER																
Ukiah	633' (UKH)	Precip	.65	8.67	15.79	1.25	.21	2.67	1.57	—	—	—	—	1.38	—	—
		Average	2.03	4.60	7.13	7.92	5.88	4.32	2.33	.94	.35	.06	.03	.39	35.98	35.98
		%-avg	32%	188%	221%	16%	4%	62%	67%	—	—	—	—	354%	—	—
Fort Ross	112' (FRR)	Precip	2.48	—	—	1.20	—	—	—	—	—	—	—	—	—	—
		Average	2.47	4.86	6.68	7.96	6.13	4.85	2.93	1.13	.49	.10	.21	.52	38.33	38.33
		%-avg	100%	—	—	15%	—	—	—	—	—	—	—	—	—	—
Santa Rosa	109' (SRO)	Precip	1.48	8.42	7.18	.57	—	—	—	—	—	—	—	—	—	—
		Average	1.72	3.37	5.27	6.33	4.76	3.73	2.23	.71	.28	.06	.11	.28	28.85	28.85
		%-avg	86%	250%	136%	9%	—	—	—	—	—	—	—	—	—	—
Russian River Near Healdsburg	108' (HEA)	Precip	—	—	—	1.06	—	—	—	—	—	—	—	—	—	—
		Average	2.34	5.06	7.68	9.14	7.10	4.83	2.74	.86	.35	.06	.14	.37	40.67	40.67
		%-avg	—	—	—	12%	—	—	—	—	—	—	—	—	—	—
SAN FRANCISCO BAY																
Station	Elev.		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
NORTH SF BAY AREA																
Angwin Pacific Union Col	1815' (APU)	Precip	1.44	13.07	13.54	1.22	.54	—	1.10	—	1.17	.00	.00	1.04	—	—
		Average	2.32	4.42	7.24	8.84	6.69	4.99	2.69	.83	.31	.06	.12	.33	38.84	38.84
		%-avg	62%	296%	187%	14%	8%	—	41%	—	377%	0%	0%	315%	—	—

Sonora RS	1749' (SOR)	Precip Average %-avg	.82 1.67 49%	4.31 3.62 119%	10.61 5.31 200%	1.41 5.99 24%	.86 5.60 15%	1.72 4.78 36%	1.47 2.94 50%	.27 1.08 25%	.25 .26 96%	.00 .05 0%	.00 .08 0%	.64 .37 173%	22.36 31.75 70%	31.75 70%
Moccasin	938' (MCN)	Precip Average %-avg	.50 1.27 39%	3.46 3.38 102%	9.86 4.21 234%	1.21 4.15 29%	.73 4.11 18%	2.08 4.42 47%	.91 2.65 34%	.38 .92 41%	.38 .20 190%	.00 .03 0%	.00 .09 0%	.09 .40 22%	19.60 25.83 76%	25.84 76%
MERCED - FRESNO RIVERS																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
South Entrance Yosemite	5120' (SEY)	Precip Average %-avg	1.83 1.56 117%	4.86 5.19 94%	11.26 7.32 154%	.96 9.07 11%	.83 7.31 11%	2.37 6.08 39%	.71 4.29 17%	1.04 1.67 62%	— .64 —	— .12 —	— .11 —	— .79 —	— 44.15 —	— 44.15 —
Yosemite Headquarters	3966' (YSV)	Precip Average %-avg	1.15 1.72 67%	4.90 4.22 116%	10.49 6.58 159%	1.10 6.71 16%	.37 6.27 6%	3.18 4.94 64%	1.58 3.24 49%	1.07 1.41 76%	.12 .57 21%	.00 .28 0%	.00 .20 0%	.87 .62 140%	24.83 36.76 68%	36.76 68%
Mariposa Ranger Station	2250' (MRP)	Precip Average %-avg	— 1.43 —	— 3.40 —	— 5.22 —	— 25%	— 2%	— 31%	— 25%	— .92 —	— .20 —	— .04 —	— .04 —	— .39 —	— 29.64 —	— 29.64 —
New Exchequer-Lk McClure	879' (EXC)	Precip Average %-avg	.23 .89 26%	1.57 2.13 74%	6.13 3.21 191%	.94 3.35 28%	.65 3.39 19%	1.55 3.03 51%	.61 1.88 32%	.63 .55 115%	.09 .14 64%	.00 .03 0%	.00 .25 0%	.00 .03 0%	12.40 18.88 66%	18.88 66%
SAN JOAQUIN RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Florence Lake (Sce)	7325' (FLR)	Precip Average %-avg	.75 .96 78%	— 2.49 —	— 4.39 —	— 4.09 —	.14 3.61 4%	.90 3.15 29%	.40 1.94 21%	— 1.09 —	— .48 —	— .76 —	— .67 —	— .75 —	— 24.38 —	— 24.38 —
Big Creek 1	4878' (BGC)	Precip Average %-avg	1.08 1.64 66%	5.05 3.74 135%	6.55 4.90 134%	1.50 6.54 23%	.60 5.48 11%	2.10 5.52 38%	.70 3.27 21%	— 1.63 —	— .59 —	— .21 —	— .15 —	— .89 —	— 34.56 —	— 34.56 —
North Fork R S	2630' (NFR)	Precip Average %-avg	1.24 1.41 88%	3.03 3.49 87%	11.06 5.95 186%	1.64 6.19 26%	.86 6.02 14%	1.54 5.15 30%	.98 3.12 31%	.38 1.23 31%	.00 .29 0%	— .06 —	— .04 0%	— .44 —	— 33.39 —	— 33.39 —
Auberry 2 Nw	2090' (ABR)	Precip Average %-avg	.68 1.14 60%	5.00 3.02 166%	5.76 3.95 146%	— 4.09 —	— 4.01 —	1.00 2.32 25%	.38 1.66 16%	.25 .85 29%	.00 .13 0%	.01 .04 25%	— .04 —	— .45 —	— 24.05 —	— 24.05 —
TULARE LAKE																
Station	Elev.															
TULARE LAKE BASIN FLOOR																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Coalinga	670' (CLN)	Precip Average %-avg	.01 .26 4%	— .76 —	— 1.28 —	— 1.47 —	.38 1.68 23%	.00 1.03 0%	.02 .59 3%	.01 .23 4%	.00 .06 0%	.00 .03 0%	.00 .02 0%	.00 .17 0%	— 7.58 —	— 7.58 —
Bakersfield Airport	494' (BFK)	Precip Average %-avg	.02 .31 6%	.10 .55 18%	.65 .84 77%	.83 1.04 80%	.60 1.18 51%	.83 1.00 83%	.05 .74 7%	.05 .23 22%	.00 .09 0%	.00 .02 0%	.00 .03 0%	.00 .09 0%	3.13 6.12 51%	6.12 51%
Lindsay	420' (LND)	Precip Average %-avg	.06 .50 12%	.94 1.20 78%	2.24 1.92 117%	.46 2.20 21%	1.01 2.11 48%	1.01 1.84 55%	.01 1.25 1%	.21 .43 49%	.00 .09 0%	.00 .01 0%	.02 .04 50%	.00 .20 0%	5.96 11.79 51%	5.96 11.79 51%
Wasco	345' (WSC)	Precip Average %-avg	.05 .30 17%	.36 .64 56%	.65 .99 66%	.71 1.18 60%	.16 1.31 12%	1.08 1.16 93%	.00 .85 0%	.14 .24 58%	.00 .06 0%	.00 .02 0%	.00 .00 —	.00 .18 0%	3.15 6.93 45%	3.15 6.93 45%
Fresno Wb Airport	328' (FRO)	Precip Average %-avg	.25 .48 52%	1.11 1.11 100%	2.03 1.76 115%	.58 2.01 29%	.89 2.08 43%	.65 1.85 35%	.09 1.08 8%	.07 .28 25%	.00 .07 0%	.00 .00 —	.00 .02 0%	.01 .15 7%	5.68 10.89 52%	10.89 52%
Visalia	325' (VSL)	Precip Average %-avg	.03 .46 7%	.14 .98 14%	1.68 1.75 96%	.26 2.04 13%	.90 2.10 43%	.51 1.74 29%	.00 1.06 0%	.85 .32 266%	.00 .07 0%	.00 .02 0%	.05 .01 500%	.00 .12 0%	4.42 10.67 41%	10.67 41%
Hanford Refinery	242' (HND)	Precip Average %-avg	.14 .26 54%	.34 .96 35%	1.52 1.18 129%	.25 1.55 16%	.42 1.43 29%	.67 1.11 60%	.08 .76 11%	.18 .26 69%	.00 .05 0%	.00 .01 0%	.00 .02 0%	.01 .21 5%	3.61 7.80 46%	7.80 46%
KINGS RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Grant Grove	6600' (GRO)	Precip Average %-avg	1.23 1.96 63%	3.97 5.16 77%	12.52 7.81 160%	2.43 7.48 32%	1.21 7.22 17%	1.72 7.56 23%	.89 4.32 21%	.46 1.17 39%	.00 .28 0%	.32 .06 533%	.21 .07 300%	.21 .54 39%	25.17 43.63 58%	43.63 58%
Pine Flat Dam	970' (PNF)	Precip Average %-avg	.36 .83 43%	1.94 1.82 107%	5.07 3.37 150%	.82 3.77 22%	1.28 3.46 37%	.41 3.05 13%	.21 1.86 11%	.07 .60 12%	.00 .11 0%	.00 .02 0%	.11 .00 —	.08 .19 42%	10.35 19.08 54%	10.35 19.08 54%
KAWEAH RIVER																
			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct-Sep	Wat-Yr
Hockett Meadow (Usace)	8500' (HCK)	Precip Average %-avg	2.07 1.20 172%	4.02 3.60 112%	10.47 5.40 194%	2.83 6.80 42%	1.06 6.30 17%	1.05 6.20 17%	1.32 3.10 43%	1.38 1.30 106%	.63 .80 79%	.85 .60 142%	.68 .20 340%	.54 .70 77%	26.90 36.20 74%	36.20 74%
Bear Trap Meadow	6800' (BRM)	Precip Average %-avg	.03 1.70 2%	7.93 4.70 169%	10.89 8.50 128%	3.09 8.60 36%	.81 8.70 9%	2.79 7.00 40%	1.60 5.40 30%	— 1.90 —	— .70 —	— .10 —	— .20 —	— .50 —	— 48.00 —	— 48.00 —

2014 WY Monthly Precipitation (ALL stations)

provided by the California Cooperative Snow Surveys

For the period Oct 1, 2013 to Feb 28, 2014

Report generated: 03/10/2014 08:19

NORTH COAST									
Station	Elev.		Oct	Nov	Dec	Jan	Feb	Oct-Feb	Wat-Yr
SMITH RIVER									
Gasquet Ranger Station	384' (GAS)	Precip Average %-avg	.04 7.53 1%	5.02 14.14 36%	2.35 16.37 14%	3.72 16.45 23%	19.48 11.95 163%	30.61 66.44 46%	92.33 33%
KLAMATH RIVER									
Callahan	3185' (CAL)	Precip Average %-avg	.25 1.40 18%	.47 2.75 17%	.38 3.67 10%	.75 3.68 20%	--- 2.58 ---	--- 14.08 ---	20.05 ---
Fort Jones RS	2725' (FJN)	Precip Average %-avg	.00 1.50 0%	.53 2.90 18%	.48 4.16 12%	.78 4.25 18%	2.58 2.80 92%	4.37 15.61 28%	21.85 20%
Yreka	2625' (YRK)	Precip Average %-avg	.02 1.41 1%	.57 2.19 26%	.20 3.50 6%	1.96 3.24 60%	3.01 2.18 138%	5.76 12.52 46%	18.28 32%
Happy Camp RS	1120' (HAP)	Precip Average %-avg	.07 3.91 2%	2.04 7.79 26%	1.02 10.35 10%	1.42 11.05 13%	--- 7.66 ---	--- 40.76 ---	54.09 ---
Klamath River At Orleans	430' (OLS)	Precip Average %-avg	.02 3.77 1%	1.63 8.06 20%	1.04 10.17 10%	1.80 10.70 17%	9.44 7.33 129%	13.93 40.03 35%	53.84 26%
TRINITY RIVER									
Weaverville RS	2050' (WVR)	Precip Average %-avg	.01 2.55 0%	1.42 5.06 28%	.48 6.85 7%	.99 7.38 13%	6.09 5.30 115%	8.99 27.14 33%	36.85 24%
Big Bar	1270' (BGB)	Precip Average %-avg	.01 2.35 0%	1.15 5.37 21%	.83 6.87 12%	1.28 7.42 17%	5.70 5.42 105%	8.97 27.43 33%	36.99 24%
Hoopla	333' (HOO)	Precip Average %-avg	.00 4.24 0%	1.54 8.58 18%	1.06 11.12 10%	1.79 10.37 17%	--- 7.99 ---	--- 42.30 ---	56.86 ---
EEL RIVER									
Covelo 1 Nne	1514' (COV)	Precip Average %-avg	.01 2.59 0%	2.11 5.45 39%	.40 7.50 5%	.50 8.13 6%	--- 6.32 ---	--- 29.99 ---	40.09 ---
Standish Hickey Park	850' (SNH)	Precip Average %-avg	--- 5.19 ---	--- 9.69 ---	--- 14.34 ---	--- 14.48 ---	--- 10.31 ---	--- 54.01 ---	71.96 ---
Scotia	139' (SCA)	Precip Average %-avg	.03 3.31 1%	.88 6.04 15%	.64 8.68 7%	.87 9.08 10%	4.19 7.45 56%	6.61 34.56 19%	47.33 14%
Eureka Woodley Island	20' (ERK)	Precip Average %-avg	.05 2.99 2%	1.29 5.54 23%	.56 6.41 9%	1.35 6.50 21%	5.71 5.17 110%	8.96 26.61 34%	38.22 23%
RUSSIAN RIVER									
Ukiah	633' (UKH)	Precip Average %-avg	.05 2.03 2%	1.34 4.60 29%	.79 7.13 11%	.88 7.92 11%	11.61 5.88 197%	14.67 27.56 53%	35.98 41%
Fort Ross	112' (FRR)	Precip Average %-avg	--- 2.47 ---	--- 4.86 ---	--- 6.68 ---	--- 7.96 ---	--- 6.13 ---	--- 28.10 ---	--- 38.33 ---
Santa Rosa	109' (SRO)	Precip Average %-avg	.01 1.72 1%	1.08 3.37 32%	.41 5.27 8%	.10 6.33 2%	--- 4.76 ---	--- 21.45 ---	28.85 ---
Russian River Near Healdsburg	108' (HEA)	Precip Average %-avg	--- 2.34 ---	--- 5.06 ---	--- 7.68 ---	--- 9.14 ---	--- 7.10 ---	--- 31.32 ---	40.67 ---
SAN FRANCISCO BAY									
NORTH SF BAY AREA									
Angwin Pacific Union Col	1815' (APU)	Precip Average	.00 2.32	.94 4.42	.52 7.24	.15 8.84	--- 6.69	--- 29.51	38.84

Folsom Dam	350' (FLD)	Precip Average %-avg	.00 1.30 0%	.95 2.77 34%	.39 3.91 10%	.51 4.73 11%	7.37 3.98 185%	9.22 16.69 55%	23.46 39%
SAN JOAQUIN RIVER									
Station	Elev.		Oct	Nov	Dec	Jan	Feb	Oct-Feb	Wat-Yr
SAN JOAQUIN VALLEY FLOOR									
Panoche 2w	1320' (PNH)	Precip Average %-avg	.02 .40 5%	.42 .97 43%	.13 1.52 9%	.15 1.86 8%	---	6.16	8.60
Madera	270' (MDR)	Precip Average %-avg	.07 .63 11%	---	.23 2.11 11%	.32 2.08 15%	---	8.42	12.45
Merced	153' (MFS)	Precip Average %-avg	.10 .54 19%	.62 1.41 44%	.29 2.00 14%	.31 2.28 14%	---	8.36	11.92
Tracy Carbona	140' (TCR)	Precip Average %-avg	.00 .51 0%	---	.20 1.68 12%	.34 1.92 18%	1.83 1.65 111%	6.78	9.66
Los Banos	120' (LSB)	Precip Average %-avg	.03 .49 6%	.31 1.02 30%	.25 1.52 16%	.32 1.64 20%	1.75 1.66 105%	2.66 6.33 42%	8.99 30%
Modesto Irrig District Office	91' (MDE)	Precip Average %-avg	.00 .63 0%	1.11 1.30 85%	.25 2.15 12%	.54 2.23 24%	---	8.32	11.99
Stockton Fire Station 4	12' (STK)	Precip Average %-avg	.00 .75 0%	1.15 1.63 71%	.34 2.78 12%	.21 3.04 7%	---	11.07	15.67
COSUMNES - MOKELUMNE RIVERS									
West Point	2775' (WPT)	Precip Average %-avg	.15 1.92 8%	1.85 4.27 43%	1.01 5.99 17%	1.12 7.08 16%	10.49 5.94 177%	14.62 25.20 58%	36.45 40%
Fiddletown	2160' (FDD)	Precip Average %-avg	.00 1.91 0%	1.47 4.08 36%	.51 5.87 9%	1.15 6.88 17%	9.75 5.79 168%	12.88 24.53 53%	34.83 37%
Camp Pardee	658' (CPD)	Precip Average %-avg	.00 1.11 0%	1.67 2.46 68%	.25 3.40 7%	.55 3.86 14%	5.44 3.47 157%	7.91 14.30 55%	20.77 38%
CALAVERAS - STANISLAUS RIVERS									
Calaveras Big Trees	4695' (CVT)	Precip Average %-avg	.10 2.78 4%	1.39 5.82 24%	1.51 9.32 16%	.97 10.55 9%	11.40 8.91 128%	15.37 37.38 41%	53.68 29%
TUOLUMNE RIVER									
Cherry Valley Dam	4765' (CVD)	Precip Average %-avg	.75 2.31 32%	1.14 6.05 19%	1.60 8.30 19%	2.14 9.04 24%	---	34.72	50.78
Hetch Hetchy	3870' (HTH)	Precip Average %-avg	1.18 1.95 61%	1.11 4.77 23%	1.08 5.61 19%	1.89 5.31 36%	6.08 5.27 115%	11.34 22.91 49%	34.70 33%
Groveland R S	3145' (GVL)	Precip Average %-avg	.97 1.73 56%	1.43 5.03 28%	1.04 6.08 17%	1.43 6.54 22%	5.32 5.99 89%	10.19 25.37 40%	36.52 28%
Sonora RS	1749' (SOR)	Precip Average %-avg	.79 1.67 47%	1.13 3.62 31%	.99 5.31 19%	1.33 5.99 22%	5.73 5.60 102%	9.97 22.19 45%	31.75 31%
Moccasin	938' (MCN)	Precip Average %-avg	.60 1.27 47%	1.28 3.38 38%	.84 4.21 20%	1.23 4.15 30%	4.04 4.11 98%	7.99 17.12 47%	25.84 31%
MERCED - FRESNO RIVERS									
South Entrance Yosemite	5120' (SEY)	Precip Average %-avg	1.33 1.56 85%	1.31 5.19 25%	.97 7.32 13%	1.90 9.07 21%	3.47 7.31 47%	8.98 30.45 29%	44.15 20%
Yosemite Headquarters	3966' (YSV)	Precip Average %-avg	.65 1.72 38%	.73 4.22 17%	1.53 6.58 23%	1.01 6.71 15%	4.30 6.27 69%	8.22 25.50 32%	36.76 22%
Mariposa Ranger Station	2250' (MRP)	Precip Average %-avg	.70 1.43 49%	.80 3.40 24%	1.26 5.22 24%	1.72 5.42 32%	2.93 5.54 53%	7.41 21.01 35%	29.64 25%
New Exchequer-Lk McClure	879' (EXC)	Precip Average %-avg	.06 .89 7%	.93 2.13 44%	.53 3.21 17%	1.06 3.35 32%	2.47 3.39 73%	5.05 12.97 39%	18.88 27%
SAN JOAQUIN RIVER									
Florence Lake (Sce)	7325' (FLR)	Precip Average %-avg	.87 .96 91%	.32 2.49 13%	.60 4.39 14%	.30 4.09 7%	2.98 3.61 83%	5.07 15.54 33%	24.38 21%
Big Creek 1	4878' (BGC)	Precip Average %-avg	1.20 1.64 73%	.50 3.74 13%	.84 4.90 17%	1.59 6.54 24%	5.74 5.48 105%	9.87 22.30 44%	34.56 29%

TABLE 3

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. reference Number	Location : TS, R, & Sec : MDB&M	Station name	Elevation, : in feet	Period : of : record	Source : of : record	Estimated mean : annual precipita- : tion, in inches	Recorded annual precipitation			
							Year	Maximum : Inches	Year	Minimum : Inches
B6-0048	6S/21E-31	Alwahnee	2,323	1950-57	USWB	27.59	1955-56	42.33	1952-53	21.93
B0-0371-01	8S/15E-29	Athlone	210	1885-98	USWB	11.57	1889-90	19.07	1897-98	6.47
B7-0379	10S/23E-8	Auberry	2,003	1915 to date	USWB	24.50	1937-38	45.02	1923-24	13.64
B5-0425	3S/21E-22	Badger Pass	7,300	1941 to date	USWB	51.51	1951-52	87.51	1954-55	37.14
B5-0430	4S/17E-6	Bagby	825	1958 to date	DWR	a	a	a	a	a
B5-0570	4S/17E-20	Bear Valley	2,000	1952 to date	DWR	25.86	1955-56	38.74	1956-57	15.85
B0-0632	6S/14E-31	Bellevue Ranch	200	1877 to date ^b	DWR	12.23	1957-58	26.81	1878-79	6.24
B0-0688-01	10S/17E-30	Berenda	256	1889-1900	DWR	10.11	1889-90	16.46	1899-00	8.12
B7-0755	8S/25E-28	Big Creek Powerhouse No. 1	4,930	1915 to date	USWB	31.12	1957-58	53.68	1923-24	15.86
B7-0755-01	8S/24E-25	Big Creek Powerhouse No. 2	3,000	1913 to date	SCEC	30.90	1937-38	51.98	1923-24	14.92
B7-0755-02	9S/24E-17	Big Creek Powerhouse No. 3	1,400	1922 to date	SCEC	25.91	1937-38	45.43	1923-24	11.53
B7-0755-03	9S/23E-20	Big Creek Powerhouse No. 4	1,000	1951 to date	SCEC	23.25	1955-56	36.93	1956-57	18.88
B7-0755-04	8S/24E-27	Big Creek Powerhouse No. 8	2,260	1921 to date	SCEC	27.30	1937-38	47.25	1923-24	14.39
B6-1151	8S/18E-28	Buchanan	450	1879-82		a	a	a	a	a

(Continued)

TABLE 3 (Continued)

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. : reference : number :	Location : TS, R, & Sec : MDB&M :	Station name :	Elevation, : in feet :	Period : of : Record :	Source : of : Record :	Estimated mean : annual precipita- tion, in inches :	Recorded annual precipitation			
							Maximum	Year	Minimum	Year
B0-1580	6S/13E-32	Castle Air Force Base	170	1951 to date	USAF	11.29	1957-58	21.20	1958-59	6.73
B5-1588	6S/17E-24	Cathay-Bull Run Ranch	1,425	1940 to date	USWB	19.37	1958-59	31.84	1959-60	12.07
B5-1590	6S/17E-10	Cathay-Sawyer Ranch	1,300	1957 to date	DWR	a	a	a	a	a
B5-1591	6S/17E-14	Cathay-Stonehouse	1,210	1951 to date	DWR	19.73	1958-59	33.13	1959-60	11.92
B6-1611	5S/21E-30	Cedar Point Ranch	3,230	1957 to date	USWB	a	a	a	a	a
B7-1630	7S/23E-5	Central Camp	5,354	1940-48	USWB	48.03	1942-43	66.55	1943-44	34.98
B0-1748	10S/14E-8	Chowchilla Farms	150	1887-1938	DWR	8.74	1905-06	18.42	1923-24	4.23
B7-1844	5S/25E-6	Clover Meadows Gaging Station	7,002	1946 to date	USWB	41.95	1955-56	64.50	1946-47	30.78
B6-1878	8S/21E-5	Coarsegold	2,240	1952 to date	USWB	27.72	1955-56	44.75	1954-55	23.68
B5-2072	2S/16E-33	Coulterville Forestry Fire Station	1,870	1898 ^b	Division of Forestry	a	a	a	a	a
B5-2072-05	2S/17E-33	Coulterville 5E	3,010	1959 to date	DWR	a	a	a	a	a
B7-2122	7S/22E-25	Crane Valley Powerhouse	3,500	1903 to date	PG&E	40.45	1937-38	69.39	1923-24	18.37
B4-2173	1S/19E-33	Crocker Station	4,700	1896-1953 ^b	USWB	48.71	1900-01	75.04	1897-98	31.37
B6-2288	9S/18E-26	Daulton	410	1946 to date	DWR	13.00	1957-58	26.71	1946-47	6.46

(Continued)

TABLE 3 (Continued)

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. reference number	Location : TS, R, & Sec : MDB&M	Station name	Elevation, : in feet	Period : of : record	Source : of : record	Estimated mean : annual precipita- : tion, in inches	Recorded annual precipitation			
							Maximum : Year	Minimum : Year	Maximum : Inches	Minimum : Inches
B0-2389	5S/11E-6	Denair	124	1917 to date	USWB	12.24	1957-58	21.41	1923-24	5.07
B4-2473	2S/14E-35	Don Pedro Reservoir	700	1940 to date	HWWD	20.24	1957-58	29.10	1958-59	11.58
B5-2539	2S/17E-21	Dudleys	3,000	1909 to date ^b	USWB	38.05	1910-11	57.18	1923-24	18.41
B4-2609	1S/18E-11	Early Intake Powerhouse	2,356	1925 to date	HWWD	32.12	1937-38	52.39	1958-59	19.97
B5-2920	4S/15E-13	Exchequer Reservoir	484	1935 to date	USWB	20.75	1955-56	29.66	1958-59	10.60
B7-3261	11S/21E-7	Friant Government Camp	410	1896 to date	USWB	13.41	1957-58	22.67	1897-98	5.91
B5-3435	2S/22E	Glacier Point	7,200	1920-23	USWB	a	a	a	a	a
B5-3586	2S/17E-32	Greeley Hill	3,160	1958 to date	DWR	a	a	a	a	a
B5-3613	2S/16E-12	Green Valley Ranch	3,170	1957 to date	DWR	a	a	a	a	a
B4-3666	1S/16E-21	Groveland	2,828	1929-54 ^b	USWB	35.05	1910-11	59.75	1912-13	18.32
B4-3669	1S/16E-21	Groveland No. 2	2,825	1940 to date	USWB	a	a	a	a	a
B4-3666-01	1S/16E-21	Groveland Garotte	2,828	1904-16	DWR	a	a	a	a	a
B4-3668	1S/16E-26	Groveland Garotte No. 2	2,800	1883-1902	DWR	a	a	a	a	a
B4-3672	1S/17E-27	Groveland Ranger Station	3,135	1940 to date	USWB	36.78	1955-56	52.94	1958-59	24.70

(Continued)

TABLE 3 (Continued)

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. reference number	Location : TS, R, & Sec : MDB&M	Station Name	Elevation, : in feet	Period : of : record	Source : of : record	Estimated mean : annual precipite- : tion, in inches	Recorded annual precipitation			
							Maximum : Year : Inches	Minimum : Year : Inches	Maximum : Year : Inches	Minimum : Year : Inches
B4-3939	1N/20E-17	Hetch Hetchy	3,870	1910 to date	USWB	34.91	1937-38 55.62	1923-24 17.03		
B0-3940	4S/11E-3	Hickman	105	1913-27	DWR	12.15	1921-22 16.58	1923-24 5.12		
B5-3948	6S/19E-6	Hidden Valley	1,880	1949 to date	DWR	28.75	1957-58 47.33	1958-59 16.19		
B5-4101	5S/17E-18	Hornitos-Erickson Ranch	1,150	1955 to date ^b	DWR	a	a	a	a	a
B5-4102	5S/16E-17	Hornitos Gagliardo	950	1923-59	DWR	18.08	1957-58 30.18	1958-59 9.16		
B5-4103	5S/16E-29	Hornitos Giles Ranch	1,050	1939 to date	DWR	18.76	1957-58 32.11	1958-59 11.54		
B5-4102-01	5S/16E-17	Hornitos (Merced Irrigation District)	945	1952 to date	DWR	a	1956-57 10.77	1957-58 26.10		
B7-4176	8S/25E-22	Huntington Lake	7,020	1915 to date	USWB	31.60	1955-56 53.57	1923-24 15.70		
B5-4246	6S/16E-3	Indian Gulch	1,000	1952 ^b to date	DWR	20.71	1955-56 27.25	1958-59 10.09		
B4-4323-01	1S/15E	Jacksonville	700	1907-17	USWB	26.44	1910-11 38.28	1907-08 15.31		
B6-4369	4S/19E-35	Jerseydale Guard Station	3,605	1958 to date	USFS	a	a	a	a	a
B5-4571	3S/18E	Kinsley	2,720	1914-16	USWB	a	a	a	a	a
B0-4590	1S/12E-27	Knights Ferry 2ESE	315	1905 to date	USWB	17.68	1957-58 26.08	1923-24 8.75		
B0-4642	3S/14E-17	La Grange	300	1867-1953 ^b	USWB	16.64	1889-90 30.34	1876-77 5.74		
B4-4679	1N/19E-3	Lake Eleanor	4,662	1909 to date	USWB	42.54	1955-56 60.90	1923-24 20.83		
B4-4687	2N/19E-17	Lake Lloyd		1953 to date	HHWD	a	a	a	a	a

(Continued)

TABLE 3 (Continued)

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. reference number	Location : TS, R, & Sec : MDBEM	Station name	Elevation, in feet	Period of record	Source of record	Estimated mean annual precipita- tion, in inches	Recorded annual precipitation			
							Maximum Year	Inches	Minimum Year	Inches
B5-4760	5S/15E-25	La Paloma Ranch		1935 to date ^b	DWR	19.94	1957-58	37.86	1946-47	9.52
B5-4883	7S/18E-7	Le Grand Preston Ranch	984	1950 to date	DWR	17.75	1951-52	28.20	1958-59	12.10
B0-4884	8S/16E-20	Le Grand	255	1899 to date	USWB	12.49	1957-58	22.58	1907-08	4.87
B5-4885	7S/17E-24	Le Grand-Turner Ranch	840	1953 to date	DWR	17.25	1957-58	26.90	1958-59	10.38
B0-4999	6S/11E-25	Livingston	130	1885-1939 ^b	DWR	11.43	1889-90	19.65	1923-24	5.00
B0-4999.03	6S/11E-32	Livingston 5W	112	1952 to date	DWR	11.05	a	a	a	a
B0-5005	6S/11E-25	Livingston Police Station	130	1948 to date	DWR	a	a	a	a	a
B0-5004	6S/11E-31	Livingston 5W	112	1952 to date	DWR	11.05	1957-58	19.31	1952-53	8.17
B0-4999-01	6S/12E-20	Livingston (Near) Raisin	136	1921-22	USWB	a	a	a	a	a
B7-5040	7S/24E-3	Logan Meadow	3,000	1947 to date	USWB	a	1955-56	48.62	1952-53	21.81
B0-5233	11S/18E-13	Madera	270	1899 to date	USWB	10.01	1940-41	19.77	1923-24	5.49
B5-5346	5S/18E-23	Mariposa	2,011	1909 to date ^b	USWB	29.33	1910-11	46.81	1923-24	12.90
B5-5348	4S/19E-27	Mariposa Circle 9 Ranch	3,600	1957 to date	DWR	a	a	a	a	a
B5-5352	5S/18E-15	Mariposa Ranger Station	2,100	1943 to date	USWB	a	a	a	a	a
B6-5346-04	6S/20E-6	Mariposa SESE	2,780	1952 to date	DWR	32.31	1955-56	51.75	1954-55	22.96

(Continued)

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TABLE 3 (Continued)

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. reference number	Location : TS, R, & Sec : MDB&M	Station name	Elevation, : in feet	Period : of : Record	Source : of : Record	Estimated mean : annual precipita- : tion, in inches	Recorded annual precipitation			
							Maximum : Year	Inches : Inches	Minimum : Year	Inches : Inches
B4-5400	1S/19E-2	Mather	4,518	1930 to date ^b	USWB	33.81	1955-56	45.90	1958-59	23.57
B5-5460	2S/17E-33	McDermid Station	2,990	1959 to date	DWR	a	a	a	a	a
B7-5496	10S/23E-11	Meadow Lake	4,485	1948 to date	USWB	29.46	1951-52	42.42	1958-59	20.76
B0-5532	7S/14E-25	Merced Fire Station No. 2	169	1872 to date	USWB	11.91	1957-58	25.63	1897-98	5.76
B0-5535	7S/14E-19	Merced No. 2	168	1938 to date	USWB	a	a	a	a	a
B0-5541	5S/15E-4	Merced Falls	321	1907-50	USWB	15.40	1934-35	22.45	1923-24	8.20
B0-5534	7S/15E-29	Merced-Fanches Ranch	210	1920 to date	DWR	12.50	1957-58	22.71	1923-24	6.50
B4-5735	1S/15E	Moccasin	950	1935 to date	HHWD	27.04	1951-52	40.49	1946-47	18.71
B0-5791	4S/11E-36	Montpelier	225	1899-1927	DWR	12.37	1905-06	18.95	1923-24	5.49
B7-6252	8S/23E-18	North Fork Ranger Station	2,630	1904 to date	USWB	33.08	1908-09	61.59	1928-29	16.88
B5-6552	3S/22E	Ostrender Lake	8,600	1947 to date	USWB	47.89	1951-52	68.84	1958-59	36.10
B4-7145	1S/16E-31	Priest	2,245	1928 to date	HHWD	26.30	1957-58	42.47	1930-31	16.57
B6-7274	9S/19E-6	Raymond 3SSW	635	1940 to date ^b	DWR	13.52	1957-58	27.85	1948-49	7.45
B6-7273	6S/19E-35	Raymond Bar 7 Ranch	1,150	1957 to date	DWR	a	a	a	a	a
B6-7272	6S/19E-33	Raymond Whipple Ranch	1,380	1957 to date	USWB	23.93	a	a	a	a

TABLE 3 (Continued)

RECORDED MAXIMUM, MINIMUM AND ESTIMATED MEAN ANNUAL
PRECIPITATION AT STATIONS IN THE MARIPOSA AREA

D.W.R. reference number	Location : TS, R, & Sec : MDB&M	Station name	Elevation, : in feet	Period of : record	Source of : record	Estimated mean : annual precipita- : tion, in inches	Recorded annual precipitation			
							Maximum : Year	Minimum : Year	Inches	Inches
B6-7276	6S/19E-25	Raymond 12NNE	1,600	1954 to date	DWR	25.62	1955-56	41.00	1958-59	14.59
B7-7817	10S/21E-6	San Joaquin Experiment Ranch	1,100	1934 to date	USWB	17.64	1957-58	32.07	1958-59	10.11
B0-8316	5S/14E-4	Snelling	259	1882-1938 ^b	DWR	13.71	1889-90	29.99	1912-13	7.27
B5-8318	1S/23E-19	Snow Flat	8,700	1947 to date	USWB	51.08	1955-56	72.05	1958-59	33.20
B5-8615	2S/15E-34	Sturtevant Ranch	1,450	1953 to date	UCD	20.18	1957-58	33.02	1954-55	15.42
B6-8646	5S/21E-23	Summerdale	5,270	1896-1933 ^b	USWB	47.94	1900-01	85.46	1932-33	24.10
B5-8380	5S/21E-12	South Entrance Yosemite National Park	5,120	1941 to date	USWB	44.10	1957-58	64.64	1946-47	24.92
B4-9063	1S/24E-3	Tuolumne Meadows	8,600	1947 to date	USWB	32.09	1951-52	47.33	1948-49	21.33
B6-9329	8S/18E-33	Vignola Ranch	440	1933-39	DWR	13.53	1934-35	21.70	1933-34	8.95
B0-9462	3S/11E-28	Waterford	160	1899-1930	DWR	12.89	1906-07	18.92	1923-24	4.91
B5-9482	4S/21E-34	Wawona Ranger Station	3,975	1934 to date	USWB	38.91	1937-38	70.50	1948-49	23.38
B5-9855	2S/22E-20	Yosemite National Park	3,985	1904 to date	USWB	35.92	1937-38	56.64	1923-24	14.77

^a Record inadequate
^b Record not continuous

TABLE 4

RECORDS OF MONTHLY PRECIPITATION GATHERED UNDER THE MARIPOSA AREA INVESTIGATION

D.W.R. reference number	Location : TS, R, & Sec. : MDB&M	Station name	Elevation : in feet	Precipitation period		Precipitation in inches												Total				
				July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June							
B5-0430	S6, T4S, R17E	Bagby - H.B. Clark	2,000	1958-59	NR	NR	NR	NR	NR	NR	NR	4.40	5.65	.94	1.94	.24	0	Inc. 2/				
				60	0	0	4.27	0	0	1.12	5.25	5.72	4.04	3.07	0	0	0	23.47				
				61	0	0	.17	.20	4.48	1.62	2.05	1.36	3.22	1.25	1.45	0	0	15.80				
				62	.10	0	.16	.08	3.40	2.03	2.02	16.17	3.84	.31	.22	0	0	28.33				
B5-0570	S20, T4S, R17E	Bear Valley - Trabucco	2,030	1952-53	0	0	0	0	2.78	10.56	4.06	0.11	3.01	2.97	0	0	T 3/	25.76				
				54	0	0	0	0	3.50	1.51	4.85	4.59	7.32	3.78	0	0	23.49					
				55	0	0	0	0	2.69	4.52	6.39	2.85	0.15	3.68	1.59	0	0	25.55				
				56	0	0	0	0	2.21	20.78	8.41	2.44	0.10	4.09	0.62	0	0	21.87				
				57	0	0	0	0	0	0	1.06	4.18	4.69	3.66	2.26	0	0	38.65				
				58	0	0	0	0	0	0	1.38	5.30	6.55	5.91	10.37	5.34	0	0	15.85			
				59	0	0	.54	.10	0	0	.73	6.30	5.89	1.08	2.83	.38	0	0	35.05			
				60	0	0	6.13	0	0	0	1.17	5.78	7.01	4.10	2.93	.15	0	0	17.85			
				61	0	0	0	.57	5.96	2.31	2.13	1.79	3.05	1.23	1.22	.03	0	0	27.27			
				62	T	T	.30	0	3.92	2.63	2.28	13.34	4.23	.42	.10	.13	0	0	18.29			
				63	0	0	.15	2.65	.75	3.64	4.56	3.04	2.88	6.99	1.15	0	0	0	27.35			
				B6-1590	S1C, T6S, R17E	Cathay - Sawyer Ranch	1,300	1957-58	NR	NR	NR	NR	NR	NR	4.33	4.41	4.84	7.25	5.15	1.47	.07	Inc.
								59	T	T	0.33	T	0.25	0.24	4.04	4.47	0.44	1.18	0.17	0	0	11.12
60	0	0	2.20					0	0	0.69	3.99	4.64	3.01	2.20	0.24	0	0	16.97				
61	0	0	T					.23	4.26	1.17	2.03	1.44	1.97	.88	1.25	T	0	13.23				
62	.20	.02	.08					.05	1.90	2.05	2.15	9.39	3.18	.40	.03	.02	0	19.47				
B6-1591	S14, T6S, R17E	Cathay - Stonehouse, Spurgin	1,210	1951-52	NR	NR	NR	NR	NR	NR	8.55	1.80	6.83	3.32	0.15	0	Inc.					
				53	0.15	0.05	0.25	0	2.45	8.50	3.05	0.55	1.50	3.04	0.31	0.91	0	21.46				
				54	0	0	0	0.65	3.55	1.80	4.07	3.55	7.15	1.20	0	0.42	0	22.39				
				55	0	0	0	0	2.20	4.02	5.40	2.05	0.10	2.72	1.40	0	0	17.99				
				56	0	0	0	0.07	2.45	13.25	4.35	1.07	0.03	2.95	1.30	0	0	25.37				
				57	0	0	0.11	1.62	0	0.57	3.36	2.72	3.65	2.00	4.65	0.20	0	18.88				
				58	0	0	0.70	1.22	1.58	4.95	4.90	5.65	7.78	5.15	1.15	0.05	0	33.13				
				59	0.01	0	0.31	0	0.17	0.35	4.52	4.45	0.29	1.55	0.27	0	0	11.92				
				60	0	0	3.00	0	0	0	0.66	3.70	4.78	2.46	2.09	0.18	0	16.87				
				61	0	0	.06	.18	4.50	1.43	1.97	1.25	1.96	.80	1.27	0	0	13.42				
				62	.27	.04	.10	.08	2.68	1.93	2.27	10.07	2.97	.20	0	.02	0	20.63				
				63	0	0	0	2.12	.33	2.92	3.90	4.18	3.70	5.14	.93	.02	0	23.24				
				B5-2072-05	S33, T2S, R17E	Coulterville SE - Jacobs	3,010	1958-59	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	Inc.
60	0	0	6.68					0	0	1.41	6.53	NR	1.41	1.61	0.46	0	0	Inc.				
61	0	0	.11					.39	5.75	2.02	2.62	1.90	4.63	1.55	.88	.38	0	20.22				
62	.17	T	.27					.50	3.92	3.60	2.70	19.02	5.23	.90	.25	.09	0	36.66				
63	.23	0	.12					2.82	.73	3.56	11.34	5.26	5.28	7.58	1.99	.16	0	39.08				

(Continued)

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62 .17 T .27 .50 3.92 3.60 2.70 19.02 5.23 .90 .88 .38 20.22
 63 .23 0 .12 2.32 .73 3.56 11.34 5.26 5.28 7.58 1.99 .15 39.08
 (Continued)

TABLE 4 (Continued)
 RECORDS OF MONTHLY PRECIPITATION GATHERED UNDER THE MARIPOSA AREA INVESTIGATION

D.W.R. reference number	Location TS, R, & Sec. MDB&M	Station name	Elevation in feet	Precipitation period	Precipitation in inches												Total
					1957-58	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
B5-3612-03	S7, T2S, R17E	Green Valley Ranch - Davidson	3,150	1957-58	NR	NR	NR	NR	NR	RB	6.01	7.70	11.56	6.59	1.05	0.30	Ino.
				59	0	0	0.48	0.07	0.89	1.23	7.40	6.11	1.33	1.76	0.40	0	19.67
				60	0	T	4.95	0	0	1.38	6.98	10.70	4.82	3.71	0.13	0	32.57
				61	T	0	.35	.45	5.67	2.12	2.20	2.29	3.52	1.67	1.35	.35	20.07
				62	.02	T	.40	.42	4.22	3.21	2.61	17.12	6.42	1.28	.19	T	35.89
				63	.28	T	T	3.46	.85	3.22	6.08	8.98	5.68	8.23	2.13	.57	39.48
B5-3948	S6, T6S, R19E	Hidden Valley - Brady	1,870	1949-50	0	0	0	0.10	3.43	NR	NR	NR	NR	NR	NR	NR	Ino.
				51	0	0	*5/	*	14.10	6.55	2.65	5.42	1.90	1.98	0.25	0	32.85
				52	0	0	0	2.40	3.98	9.77	12.33	2.07	9.30	2.43	0	0	42.28
				53	0	0	0	0	2.94	10.01	4.52	1.07	1.76	2.81	1.11	0.94	25.16
				54	0	0	0.04	0.71	3.20	1.48	4.98	5.06	7.52	2.80	0.09	0.83	26.11
				55	0	0	0	0.71	2.27	4.01	5.90	2.56	0.30	3.49	2.32	0	21.56
				56	0	0	0	0.05	3.65	23.15	6.71	2.27	T	4.99	2.05	0	42.87
				57	0	0	0.03	1.86	0	1.11	3.77	3.77	4.95	2.29	3.98	0.05	21.12
				58	0	0	0.25	1.52	1.43	6.21	6.02	9.89	12.66	7.94	1.27	0.13	47.33
				59	0	0	0.30	0	0.48	0.38	6.47	8.04	0.19	0	.33	0	16.19
				60	T	T	5.62	0	0	1.00	4.48	2.60	3.68	3.46	.20	0	21.04
				61	T	0	3.04	.38	6.31	1.28	2.41	.90	3.60	1.08	1.03	.07	17.10
				62	.14	0	.16	.10	3.83	3.17	3.50	16.57	4.45	.42	.24	.05	32.54
63	.09	0	.09	2.75	.58	3.22	7.31	6.93	5.41	7.79	.88	.12	35.17				
B5-4102-01	S18, T5S, R17E	Hornitos - Erickson Ranch	1,150	1955-56	0	0	0	0	8.30	11.10	6.05	2.00	0	2.90	1.25	0	31.60
				57	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
				58	NR	NR	NR	NR	NR	3.02	5.07	5.32	7.51	5.19	1.34	0.05	Ino.
				59	0	0	0.32	0	0.18	0.40	4.64	4.65	0.40	1.84	0.20	0	12.63
				60	0	0	2.88	0	0	0.75	4.18	4.62	3.30	2.69	0.10	0	18.52
				61	0.6/	0.6/	0.6/	.25	4.38	1.16	2.06	1.35	2.32	.90	1.13	0.01	13.567/
				62	.13	0.6/	0.6/	0.6/	2.95	2.12	2.09	10.23	2.85	.46	0.6/	0.6/	20.847/
63	.15	0.6/	0.6/	.10	2.00	.51	2.97	2.42	5.76	4.55	5.07	.64	0.6/	24.177/			
B5-4103	S29, T5S, R16E	Hornitos - Giles Ranch	1,050	1939-40	.25	.10	.02	2.80	.83	9.73	7.76	5.91	4.09	.62	0	0	32.11
				41	0	0	0	.81	.32	8.13	2.68	6.13	2.31	5.07	.34	0	25.79
				42	0	.04	0	1.11	1.11	5.96	3.44	2.57	2.17	3.94	1.14	0	21.48
				43	0	0	0	.17	2.03	1.90	2.81	2.61	7.82	1.18	0	0	18.52
				44	0	0	0	.59	.80	2.04	3.34	5.21	1.25	2.17	.45	.37	16.22
				45	0	0	.13	1.03	5.04	2.28	.15	5.29	4.04	.40	.22	.10	18.68
				46	0	0	0	2.48	2.84	5.14	1.00	2.32	3.32	.13	1.03	0	18.26
				47	0	0	0	1.07	4.29	3.52	.61	1.30	1.78	.67	.50	.15	13.89
				48	0	0	0	1.44	.81	.75	.17	1.88	4.78	3.68	1.70	0	15.21
				49	0	0	0	.65	.38	3.17	1.73	2.56	4.93	0	.52	0	13.94

(Continued)

TABLE 4 (Continued)

RECORDS OF MONTHLY PRECIPITATION GATHERED UNDER THE MARIPOSA AREA INVESTIGATION

D.W.R. reference number	Location TS, R, & Sec. MDB&M	Station name	Elevation in feet	Precipitation period	Precipitation in inches												Total	
					July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		
B5-4103 (Continued)				1950	0	0	0	0	1.27	1.73	5.87	2.47	1.93	1.05	.20	0	14.52	
				51	0	0	.55	2.62	5.79	4.82	3.15	2.15	1.38	1.24	.55	0	23.25	
				52	0	0	0	2.25	2.08	5.04	6.55	1.57	4.74	3.07	.28	0	25.68	
				53	0	.10	.15	.25	1.75	6.47	2.15	.15	1.99	.23	2.83	.70	16.77	
				54	0	0	0	.50	1.37	1.28	3.47	2.95	5.63	1.50	.35	.58	18.23	
				55	0	0	0	0	1.45	3.03	4.35	1.91	.20	2.50	1.55	0	15.49	
				56	0	0	0	0	1.96	13.70	4.87	1.71	0	2.91	1.05	0	26.10	
				57	0	0	.32	.77	0	.42	3.55	2.75	2.65	1.69	2.85	0	15.00	
				58	0	0	.25	1.20	.95	4.12	4.71	5.30	8.90	4.95	1.23	0	31.61	
				59	0	0	.35	0	.35	.25	4.67	3.45	.84	1.41	.22	0	11.54	
				60	0	0	2.15	0	0	.85	4.09	4.29	2.63	2.72	.07	0	16.90	
				61	0	0	.35	.12	3.49	1.03	2.34	1.39	3.11	.86	1.32	.25	14.26	
				62	.10	.01	.06	T ^{3/}	3.17	1.77	2.29	9.17	2.11	.31	.09	.03	19.11	
				63	.05	.00	.05	1.64	.35	2.68	3.59	2.83	3.57	4.54	.78	.06	20.14	
B5-4246	S3, T6S, R15E	Indian Gulch - Solari	1,000	1951-52	NR	NR	NR	NR	NR	NR	5.12	1.82	5.98	3.53	.30	0	Inc.	
				53	0	0	.20	.18	1.82	7.77	3.02	.48	1.38	3.08	.77	.90	19.50	
				54	0	0	0	.73	2.35	1.55	3.66	2.05	5.33	1.60	0	0	17.27	
				55	0	0	0	0	1.73	3.55	4.97	1.75	.18	2.25	1.15	0	15.58	
				56	0	0	0	.05	1.95	15.10	5.01	1.49	0	2.52	1.13	0	27.25	
				57	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
				58	NR	NR	NR	NR	NR	NR	2.40	4.31	4.77	6.78	4.34	1.51	.07	Inc.
				59	.02	0	.34	0	.28	.34	3.65	3.34	.47	1.50	.15	0	10.09	
				60	NO RECORD FOR THE 1959-60 CLIMATOLOGICAL YEAR													
				61	0	0	.12	.22	4.21	.37	1.91	1.17	2.22	.84	1.23	0	12.29	
				62	.08	0	0	.01	2.74	1.74	1.30	8.00	2.27	.25	.03	.03	16.45	
				63	0 ^{6/}	0 ^{5/}	.10	1.50	.36	2.96	1.98	4.78	3.57	4.65	.72	.05	20.77 ^{7/}	
B6-5346-04	S6, T6S, R20E	Mariposa BESE - Boyce		1952-53	NR	NR	NR	NR	RE ^{4/}	4.48	5.36	.10	2.85	4.45	1.55	1.50	Inc.	
				54	0	0	T	.90	.40	1.90	8.44	3.45	7.48	3.30	.15	1.40	27.42	
				55	0	0	0	0	3.47	5.22	4.95	2.32	.35	3.95	2.70	0	22.96	
				56	0	0	0	3.10	3.15	25.82	8.70	2.10	0	5.45	3.43	0	51.75	
				57	0	0	.20	3.20	0	2.10	3.00	6.00	6.30	3.83	6.95	.20	31.78	
				58	0	0	.40	2.30	0	1.30	7.50	10.10	11.20	8.70	2.10	.12	44.22	
				59	NR	NR	NR	NR	NR	NR	NR	NR	7.55	.70	2.40	.67	0	Inc.
				60	0	.15	5.05	0	0	.87 ^{6/}	4.92	7.46	4.40	3.55	.40	0	26.81 ^{7/}	
				61	T	0	.12	.94	7.80	1.99	2.43	2.37	3.79	1.51	1.69	.21	22.85	
				62	.05	T	.12	.22	3.84	3.60	2.31	17.96	4.55	.72	.58	.05	34.01	
				63	.24	T	.16	3.25	.73	2.12	5.19	8.18	5.51	9.94	1.51	.10	37.03	

(Continued)

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TABLE 4 (Continued)

RECORDS OF MONTHLY PRECIPITATION GATHERED UNDER THE MARIPOSA AREA INVESTIGATION

D.W.R. reference number	Location TS, R, & Sec. MDB&M	Station name	Elevation, in feet	Precipitation period	Precipitation in inches												Total
					July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
B5-5348	S27, T4S, R19E	Mariposa - Circle 9 Ranch	3,650	1957-58	NR	NR	NR	NR	NR	RB	7.87	11.01	13.50	9.00	1.54	.50	Inc.
				59	0	T	1.10	0	.78	.86	7.83	9.87	.87	3.30	.94	0	25.55
				60	0	0	6.85	0	0	1.99	7.52	9.54	5.76	4.67	.21	0	36.54
				61	0	0	.30	1.60	7.09	2.55	2.83	2.11	4.99	1.86	1.97	0	25.30
				62	.14	0	.31	.32	4.57	4.21	3.53	22.69	7.27	1.02	.70	.13	44.99
				63	.22	.02	.19	3.30	.93	2.14	11.39	11.76	6.17	11.14	3.04	.17	50.47
B5-5352	S15, T5S, R18E	Mariposa Ranger Station - CDF	2,160	1957-58	0 ^{6/}	0 ^{6/}	.51	1.64	1.46	5.38	6.11	7.88	9.22	7.53	1.48	.10	41.31 ^{7/}
				59	0 ^{6/}	0 ^{6/}	.62	0 ^{6/}	.39	.46	6.45	6.73	.56	1.98	.58	0	17.77 ^{7/}
				60	0	0	5.52	0	0	.96	6.03	7.18	3.87	3.87	.15	0	26.58
				61	0	0	0	.47	4.57	1.57	2.46	1.27	2.94	1.08	1.39	0	15.85
				62	0	0	0	0	1.97	3.05	3.28	15.65	4.02	.47	.04	.01	28.49
				63	0	.02	0	2.82	.44	3.43	7.89	6.23	5.44	8.09	1.27	.35	35.98
B6-7276	S25, T6S, R19E	Raymond L WNE - Schatz (Victor Gage)	1,600	1953-54	NR	NR	NR	NR	NR	RB	3.60	2.35	5.35	1.90	T	.90	Inc.
				55	0	0	0	0	2.70	4.10	5.50	2.00	.45	4.15	1.50	0	20.40
				56	0	0	0	.25	4.65	19.80	6.85	1.50	.45	5.45	2.05	0	41.00
				57	0	0	0	1.85	0	1.35	3.05	3.85	3.55	2.70	4.95	0	21.30
				58	0	0	0	1.60	1.30	4.10	5.40	7.55	8.42	4.85	1.17	.10	34.99
				59	0	0	.45	0	.71	.65	4.25	5.62	.46	1.85	.60	0	14.59
				60	0	T	3.92	0	0	.80	3.84	6.42	3.01	2.88	.20	0	21.07
				61	0	0	.04	.57	5.85	1.31	2.29	1.75	2.10	1.05	1.26	0	16.22
				62	0	0	.05	.14	2.75	2.35	1.86	12.69	2.71	.41	.22	T	23.18
63	.22	0	.02	1.80	.42	1.25	8.15	2.81	4.52	6.23	1.10	.05	26.58				

- 1/ NR = No record.
- 2/ Inc. = Incomplete.
- 3/ T = Trace.
- 4/ RB = Record began.
- 5/ * = Included in following amount.
- 6/ Estimated
- 7/ Partially estimated.

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Appendix A – Attachment 1 Comparative Rainfall Analysis

This attachment includes additional analysis to update historical average rainfall in the Y-M Region for this Groundwater Study. The source used for the water balance analysis was the California Department of Water Resources (DWR) Bulletin 131 (1965). The DWR (1965, Plate 2) prepared an isohyetal map showing the average annual precipitation as of 1960. These maps were based on rainfall data between the period of 1905-1959. Because this source is somewhat dated, they were compared to more recent data. Precipitation stations throughout the Region and a GIS model that was created by the Natural Resource Conservation District were used as two separate sources to validate the use of the 1965 isohyetal maps.

The first method included comparison of the rainfall area calculated in this groundwater study and comparing them with the GIS data available from the Natural Resource Conservation District (NRCD). The NRCD put together a PRISM model that uses a statistical-geographic approach to mapping climate. This model uses point measurements of climate data and a digital elevation model to generate estimates of rainfall data using GIS. Data over the period of 1961-1990 and 1981-2010 were compared to the data used in the DWR study and estimates provided by Kenneth D. Schmidt and Associates (KDSA). Overall average rainfall estimates varied, but did not trend significantly in any direction over the overall topography. These results are included in Table A. Additionally, data from 1961-1990 were compared to the data presented using the 1965 dataset. These data were not very detailed and provided significantly different results from both other more detailed datasets, therefore they were not included in Table A.

Table A: GIS Analysis Comparing PRISM Data Bulletin 131

	NRCD PRISM DATA (1981- 2010)	KSDA Estimate Based on DWR Bulletin 131 Study (1905-1959)	
	AFY	AFY	% Difference
Coulterville	35160	32725	-7%
Greeley Hill	30595	27900	-10%
Catheys Valley	9646	9153	-5%
Agua Fria Creek	40865	37483	-9%
Mariposa Creek	49250	45750	-8%
Bear Creek	43889	44400	1%
West Fork Chowchilla	91356	90133	-1%
Middle Fork Chowchilla	17872	18192	2%
Oliver Creek	25220	25675	2%

The second method included comparison of the rainfall data presented in Table 3 of the 1965 Bulletin 131. This comparison is included in Table B below. The stations were chosen based on either identical station locations, or similar location and elevations to the station included in Bulletin 131 if the original station were no longer available.

Based on Table A and B there was some variation between the Bulletin 131 and the more recent data; however, no overall trend was observed and most values were within 5% of the Bulletin 131 values and all results were within 10% of the Bulletin 131 results. Therefore the isohyets in the Groundwater Study remain valid.

Table B: Comparison of DWR Bulletin 131 Data to Recent Precipitation Data

Station Name	Period of Record	Average Precip (in)	Max Precip (in)	Min Precip (in)	Source
Mariposa	1909 to 1965	29.33	46.81 (1910-1911)	12.90 (1923-1924)	DWR Bulletin 131 Table 3
Mariposa Ranger Station	1931 to 2014	29.15	58.93 (1982)	4.56 (1977)	CDEC http://cdec.water.ca.gov/cgi-progs/staMeta_ss?station_id=MRP
Mariposa Ranger Station	1984 to 2014	27.25	46.16 (1998)	7.67 (2013)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5352
DWR and CDEC %Difference		-0.6%			
DWR and WRCC %Difference		-7.6%			
South Entrance Yosemite National Park	1941 to 1965	44.1	64.64 (1957-1958)	24.92 (1946-1947)	DWR Bulletin 131 Table 3
South Entrance Yosemite National Park	1941 to 2014	40.4	79.82 (1969)	11.45 (2013)	CDEC http://cdec.water.ca.gov/cgi-progs/getMonthlyCSV?station_id=SEY&dur_code=M&sensor_num=2&start_date=1/1/1900&end_date=Now
South Entrance Yosemite National Park	1941 to 2014	41.5	79.82 (1969)	10.84 (2013)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8380
DWR and CDEC %Difference		-9.1%			
DWR and WRCC %Difference		-6.3%			
Yosemite National Park	1904 to 1965	35.92	58.64 (1937-1938)	14.77 (1923-1924)	DWR Bulletin 131 Table 3
Yosemite (OBS)	1904 to 1994	33.57	65.25 (1909)	1.87 (1994)	CDEC http://cdec.water.ca.gov/cgi-progs/getMonthlyCSV?station_id=YSM&dur_code=M&sensor_num=2&start_date=1/1/1900&end_date=Now
Yosemite Headquarters	1905 to 2014	35.53	66.06 (1983)	14.84 (1976)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca9855
DWR and CDEC %Difference		-7.0%			
DWR and WRCC %Difference		-1.1%			
Cathay Bull Run Ranch	1940 to 1965	19.37	31.84 (1958-1959)	12.07 (1959-1960)	DWR Bulletin 131 Table 3
Cathay Bull Run Ranch	1948 to 1977	20.21	33.98 (1969)	12.38 (1956)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1588
%Difference		4.2%			
Mariposa	1935 to 1965	29.33	46.81 (1910-1911)	12.9 (1923-1924)	DWR Bulletin 131 Table 3
Mariposa	1893 to 1984	29.51	59.45 (1982)	15.63 (1961)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5346
%Difference		0.6%			
Exchequer Reservoir	1935 to 1965	20.75	29.66 (1955-1956)	10.6 (1958-1959)	DWR Bulletin 131 Table 3
Exchequer Reservoir	1950 to 2014	19.32	40.42 (1983)	5.91 (1956)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca2920
%Difference		-7.4%			
Dudleys	1909 to 1965	38.05	57.18 (1910-1911)	18.41 (1923-1924)	DWR Bulletin 131 Table 3
Dudleys	1908 to 1976	37.74	62.26 (1950)	21.43 (1961)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca2539
%Difference		-0.8%			
Coarsegold	1952 to 1965	27.72	44.75 (1955-1956)	23.68 (1946-1947)	DWR Bulletin 131 Table 3
Coarsegold 1 SW	1899 to 1980	27.15	45.4 (1983)	13.44 (1989)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca1878
%Difference		-2.1%			
Friant Government Camp	1896 to 1965	13.41	22.67 (1957-1958)	5.91 (1897-1898)	DWR Bulletin 131 Table 3
Friant Government Camp	1912 to 2014	14.02	28.9 (1983)	3.58 (2013)	WRCC http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca3261
%Difference		4.4%			

