

Project Name: Miller Vineyard
User: rp
APN: 021-030-006
2-YR, 6-HR RAINFALL (INCHES): 2.28
SOIL TYPE(s): 107 Boomer loam, volcanic bedrock
(MLRA 15), 2 to 35% slopes

Block ID	B1	
Transect ID	A-A	
Block Area (acre)	0.3	
Development Phase	Pre-Development	Post-Development
Rainfall (R-Factor)	100	100
Soil Parameters		
Map Unit	107	107
Soil Erodibility (K-Factor)	0.32	0.32
Soil Loss Tolerance (T)	3	3
Slope Effect		
Type of Slope (Regular or Irregular)	Regular	Regular
Overland Flow Length (ft)	232.0	125.0
Percent Slope (%)	19.0	19.0
Topographic Factor (LS)	4.95	3.63
Cover Factor & Management Factor		
Support Practice Factor (P)	1.0	1.0
Vegetative Community	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard
Vegetal Canopy	Trees, But No Appreciable Low Brush (13 ft. fall ht.)	Vineyard - Alternating Tilled
Canopy Cover	75+	0
Percent Cover	15	80
Percent grasslike plants; decaying compacted duff (G)	100	100
Percent broadleaf Herbaceous plants; undecayed residue (W)	0	0
Cover Factor (C)	0.218	0.025
Soil Loss $A=(R)(K)(LS)(C)(P)$		
Soil Loss Rate (tons/acre/year)	34.43	2.91

1) USLE spreadsheet and imbedded equations are obtained from Napa County Planning, Building, and Environmental Services | Engineering Division. Bartelt Engineering assumes no liability, real or alleged, regarding the accuracy of the equations imbedded in this document.

May 2022
Job No. 20-10



Project Name: Miller Vineyard
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APN: 021-030-006
2-YR, 6-HR RAINFALL (INCHES): 2.28
SOIL TYPE(s): 107 Boomer loam, volcanic bedrock (MLRA 15), 2 to 35% slopes

Block ID	B2		B2		B2		B2	
Transect ID	B-B		C-C		D-D		E-E	
Block Area (acre)	3.8		3.8		3.8		3.8	
Development Phase	Pre-Development	Post-Development	Pre-Development	Post-Development	Pre-Development	Post-Development	Pre-Development	Post-Development
Rainfall (R-Factor)	100	100	100	100	100	100	100	100
Soil Parameters								
Map Unit	107	107	107	107	107	107	107	107
Soil Erodibility (K-Factor)	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Soil Loss Tolerance (T)	3	3	3	3	3	3	3	3
Slope Effect								
Type of Slope (Regular or Irregular)	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
Overland Flow Length (ft)	168.0	168.0	88.0	88.0	373.0	130.0	646.0	130.0
Precent Slope (%)	18.0	18.0	23.0	23.0	21.0	21.0	19.0	19.0
Topographic Factor (LS)	3.92	3.92	3.92	3.92	7.16	4.23	8.26	3.70
Cover Factor & Management Factor								
Support Practice Factor (P)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Vegetative Community	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard
Vegetal Canopy	Trees, But No Appreciable Low Brush (13 ft. fall ht.)	Vineyard - Alternating Tilled	No Appreciable Canopy	Vineyard - Alternating Tilled	Trees, But No Appreciable Low Brush (13 ft. fall ht.)	Vineyard - Alternating Tilled	Trees, But No Appreciable Low Brush (13 ft. fall ht.)	Vineyard - Alternating Tilled
Canopy Cover	75+	0	75+	0	75+	0	75+	0
Percent Cover	15	80	15	80	15	80	15	80
Percent grasslike plants; decaying compacted duff (G)	100	100	100	100	100	100	100	100
Percent broadleaf Herbaceous plants; undecayed residue (W)	0	0	0	0	0	0	0	0
Cover Factor (C)	0.218	0.025	0.218	0.025	0.218	0.025	0.218	0.025
Soil Loss $A=(R)(K)(LS)(C)(P)$								
Soil Loss Rate (tons/acre/year)	27.26	3.13	27.35	3.14	49.98	3.38	57.59	2.96

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Project Name: Miller Vineyard
User: rp
APN: 021-030-006
2-YR, 6-HR RAINFALL (INCHES): 2.28
SOIL TYPE(s): 108 Boomer gravelly loam, volcanic bedrock, 11 to 43% slopes

Block ID	B3		B3	
Transect ID	F-F		G-G	
Block Area (acre)	0.5		0.5	
Development Phase	Pre-Development	Post-Development	Pre-Development	Post-Development
Rainfall (R-Factor)	100	100	100	100

Soil Parameters

Map Unit	108	108	108	108
Soil Erodibility (K-Factor)	0.24	0.24	0.24	0.24
Soil Loss Tolerance (T)	4	4	4	4

Slope Effect

Type of Slope (Regular or Irregular)	Regular	Regular	Regular	Regular
Overland Flow Length (ft)	177.0	177.0	147.0	147.0
Percent Slope (%)	17.0	17.0	22.0	22.0
Topographic Factor (LS)	3.72	3.72	4.78	4.78

Cover Factor & Management Factor

Support Practice Factor (P)	1.0	1.0	1.0	1.0
Vegetative Community	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard
Vegetal Canopy	Trees, But No Appreciable Low Brush (13 ft. fall ht.)	Vineyard - Alternating Tilled	Trees, But No Appreciable Low Brush (13 ft. fall ht.)	Vineyard - Alternating Tilled
Canopy Cover	75+	0	75+	0
Percent Cover	15	80	15	80
Percent grasslike plants; decaying compacted duff (G)	100	100	100	100
Percent broadleaf Herbaceous plants; undecayed residue (W)	0	0	0	0
Cover Factor (C)	0.218	0.025	0.218	0.025

Soil Loss $A=(R)(K)(LS)(C)(P)$

Soil Loss Rate (tons/acre/year)	19.43	2.23	25.02	2.87
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SOIL TYPE(s): 107 Boomer loam, volcanic bedrock (MLRA 15), 2 to 35% slopes

Block ID	A		A	
Transect ID	H-H		J-J	
Block Area (acre)	1.2		1.2	
Development Phase	Pre-Development	Post-Development	Pre-Development	Post-Development
Rainfall (R-Factor)	100	100	100	100
Soil Parameters				
Map Unit	107	107	107	107
Soil Erodibility (K-Factor)	0.32	0.32	0.32	0.32
Soil Loss Tolerance (T)	3	3	3	3
Slope Effect				
Type of Slope (Regular or Irregular)	Regular	Regular	Regular	Regular
Overland Flow Length (ft)	215.0	215.0	178.0	178.0
Percent Slope (%)	14.0	14.0	13.0	13.0
Topographic Factor (LS)	3.15	3.15	2.59	2.59
Cover Factor & Management Factor				
Support Practice Factor (P)	1.0	0.6	1.0	0.6
Vegetative Community	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard	Permanent Pasture, Range, Idle Land, or Grazed Woodland	Vineyard
Vegetal Canopy	No Appreciable Canopy	Vineyard - Alternating Tilled	No Appreciable Canopy	Vineyard - Alternating Tilled
Canopy Cover	0	0	0	0
Percent Cover	75	80	75	80
Percent grasslike plants; decaying compacted duff (G)	100	100	100	100
Percent broadleaf Herbaceous plants; undecayed residue (W)	0	0	0	0
Cover Factor (C)	0.020	0.025	0.020	0.025
Soil Loss $A=(R)(K)(LS)(C)(P)$				
Soil Loss Rate (tons/acre/year)	2.04	1.51	1.66	1.24

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TABLE A-1: R FACTOR	
R Zone 1	2-Year/6-Hour Precipitation (Inches)
10	<0.7
10	0.7
10	0.8
15	0.9
15	1
20	1.1
25	1.2
30	1.3
35	1.4
40	1.5
45	1.6
50	1.7
60	1.8
65	1.9
75	2
85	2.1
90	2.2
100	2.3
110	2.4
120	2.5
130	2.6
145	2.7
155	2.8
165	2.9
180	3
195	3.1
205	3.2
220	3.3
235	3.4
250	3.5
265	3.6
285	3.7
300	3.8
315	3.9
335	4

Reference: Table A-1 "Guides for Erosion and Sediment Control in California", USDA-SCS, Davis CA, 1996, pg. A-3

TABLE 6: "P" Vineyard and Permanent Crops

Slope (%)		Up & Down Hill	Cross Slope Farming Without Strips	Contour Tillage	Cross Slope Farming With Strips	Disc-Terrace	Contour Stripcropping
2	7	1.0	0.75	0.50	0.37		0.25
7.1	12	1.0	0.80	0.60	0.45		0.30
12.1	18	1.0	0.90	0.80	0.60		0.40
18.1	24	1.0	0.95	0.90	0.67	0.50	0.45

Reference: United States Department of Agriculture (USDA) - Soil Conservation Service. The Universal Soil Loss Equation USLE Special Applications for Napa County California. 1994.

VEGETATIVE CANOPY			COVER THAT CONTACTS THE SOIL SURFACE																			
TYPE & HEIGHT	PERCENT COVER	TYPE	PERCENT GROUND COVER																			
			0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
No Appreciable Canopy		G	0.450	0.388	0.325	0.263	0.200	0.175	0.150	0.125	0.100	0.086	0.071	0.057	0.042	0.035	0.028	0.020	0.013	0.010	0.006	0.003
		W	0.450	0.398	0.345	0.293	0.240	0.218	0.195	0.173	0.150	0.135	0.121	0.106	0.091	0.079	0.067	0.055	0.043	0.032	0.022	0.011
Tall grassy weeds or bushes with average drop fall height of less than 3 ft.	25	G	0.360	0.313	0.265	0.218	0.170	0.150	0.130	0.110	0.090	0.077	0.064	0.051	0.038	0.032	0.026	0.019	0.013	0.010	0.006	0.003
		W	0.360	0.320	0.280	0.240	0.200	0.183	0.165	0.148	0.130	0.118	0.107	0.095	0.083	0.073	0.062	0.052	0.041	0.031	0.021	0.011
	50	G	0.260	0.228	0.195	0.163	0.130	0.115	0.100	0.085	0.070	0.061	0.053	0.044	0.035	0.029	0.024	0.018	0.012	0.009	0.006	0.003
		W	0.260	0.235	0.210	0.185	0.160	0.148	0.135	0.123	0.110	0.102	0.093	0.085	0.076	0.067	0.058	0.048	0.039	0.030	0.020	0.011
	75	G	0.170	0.153	0.135	0.118	0.100	0.090	0.080	0.070	0.060	0.053	0.046	0.039	0.032	0.027	0.022	0.016	0.011	0.008	0.006	0.003
		W	0.170	0.158	0.145	0.133	0.120	0.113	0.105	0.098	0.090	0.085	0.079	0.074	0.068	0.061	0.053	0.046	0.038	0.029	0.020	0.011
Appreciable brush or bushes, with average drop fall height of 6.5 ft.	25	G	0.400	0.345	0.290	0.235	0.180	0.158	0.135	0.113	0.090	0.078	0.065	0.053	0.040	0.033	0.027	0.020	0.013	0.010	0.006	0.003
		W	0.400	0.355	0.310	0.265	0.220	0.200	0.180	0.160	0.140	0.127	0.114	0.100	0.087	0.076	0.065	0.053	0.042	0.032	0.021	0.011
	50	G	0.340	0.295	0.250	0.205	0.160	0.140	0.120	0.100	0.080	0.070	0.059	0.049	0.038	0.032	0.025	0.019	0.012	0.009	0.006	0.003
		W	0.340	0.303	0.265	0.228	0.190	0.175	0.160	0.145	0.130	0.118	0.106	0.094	0.082	0.072	0.062	0.051	0.041	0.031	0.021	0.011
	75	G	0.280	0.245	0.210	0.175	0.140	0.125	0.110	0.095	0.080	0.069	0.058	0.047	0.036	0.030	0.024	0.018	0.012	0.009	0.006	0.003
		W	0.280	0.253	0.225	0.198	0.170	0.158	0.145	0.133	0.120	0.110	0.099	0.089	0.078	0.069	0.059	0.050	0.040	0.030	0.021	0.011
Trees, but no appreciable low brush. Average drop fall height of 13 ft.	25	G	0.420	0.363	0.305	0.248	0.190	0.168	0.145	0.123	0.100	0.085	0.071	0.056	0.041	0.034	0.027	0.020	0.013	0.010	0.006	0.003
		W	0.420	0.373	0.325	0.278	0.230	0.208	0.185	0.163	0.140	0.127	0.115	0.102	0.089	0.077	0.066	0.054	0.042	0.032	0.021	0.011
	50	G	0.390	0.338	0.285	0.233	0.180	0.158	0.135	0.113	0.090	0.078	0.065	0.053	0.040	0.033	0.027	0.020	0.013	0.010	0.006	0.003
		W	0.390	0.345	0.300	0.255	0.210	0.193	0.175	0.158	0.140	0.127	0.114	0.100	0.087	0.076	0.065	0.053	0.042	0.032	0.021	0.011
	75	G	0.360	0.313	0.265	0.218	0.170	0.150	0.130	0.110	0.090	0.077	0.065	0.052	0.039	0.032	0.026	0.019	0.012	0.009	0.006	0.003
		W	0.360	0.320	0.280	0.240	0.200	0.183	0.165	0.148	0.130	0.119	0.107	0.096	0.084	0.073	0.063	0.052	0.041	0.031	0.021	0.011

Vine Row Tilled			
% Ground Cover	Clearing to 1 Year Old	1-3 Years Old	3+ Years Old
0	1.00	0.92	0.85
5	0.86	0.79	0.74
10	0.72	0.67	0.62
15	0.58	0.54	0.51
20	0.44	0.41	0.39
25	0.39	0.36	0.34
30	0.33	0.31	0.30
35	0.28	0.26	0.25
40	0.22	0.21	0.2
45	0.19	0.18	0.17
50	0.16	0.15	0.14
55	0.12	0.12	0.12
60	0.092	0.09	0.088
65	0.076	0.075	0.073
70	0.061	0.059	0.058
75	0.045	0.0435	0.043
80	0.029	0.028	0.028
85	0.022	0.021	0.021
90	0.014	0.014	0.014
95	0.007	0.007	0.007

Vine Row Non-Tilled			
% Ground Cover	Clearing to 1 Year Old	1-3 Years Old	3+ Years Old
0	0.80	0.74	0.68
5	0.69	0.64	0.59
10	0.58	0.54	0.50
15	0.46	0.43	0.40
20	0.35	0.33	0.31
25	0.31	0.29	0.27
30	0.265	0.25	0.24
35	0.22	0.21	0.20
40	0.18	0.17	0.16
45	0.15	0.15	0.14
50	0.13	0.12	0.12
55	0.10	0.097	0.093
60	0.074	0.072	0.070
65	0.061	0.060	0.058
70	0.049	0.047	0.046
75	0.036	0.035	0.034
80	0.023	0.022	0.022
85	0.017	0.017	0.017
90	0.012	0.011	0.011
95	0.006	0.006	0.006

Vine Row Alternating-Tilled			
% Ground Cover	Clearing to 1 Year Old	1-3 Years Old	3+ Years Old
0	0.90	0.83	0.77
5	0.78	0.72	0.67
10	0.65	0.60	0.56
15	0.53	0.49	0.46
20	0.4	0.37	0.35
25	0.35	0.325	0.31
30	0.3	0.28	0.27
35	0.25	0.235	0.22
40	0.2	0.19	0.18
45	0.17	0.16	0.15
50	0.14	0.14	0.13
55	0.11	0.108	0.104
60	0.083	0.081	0.079
65	0.069	0.067	0.0655
70	0.055	0.053	0.052
75	0.040	0.039	0.0385
80	0.026	0.025	0.025
85	0.020	0.019	0.019
90	0.013	0.013	0.013
95	0.007	0.007	0.007



NOAA Atlas 14, Volume 6, Version 2
Location name: Calistoga, California, USA*
Latitude: 38.5639°, Longitude: -122.5072°
Elevation: 413.6 ft**

* source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.144 (0.128-0.163)	0.173 (0.154-0.197)	0.213 (0.189-0.243)	0.247 (0.217-0.285)	0.296 (0.250-0.354)	0.336 (0.277-0.412)	0.379 (0.304-0.478)	0.426 (0.331-0.554)	0.495 (0.366-0.675)	0.552 (0.394-0.784)
10-min	0.206 (0.183-0.234)	0.248 (0.220-0.282)	0.305 (0.270-0.348)	0.354 (0.311-0.408)	0.424 (0.358-0.508)	0.482 (0.397-0.590)	0.543 (0.435-0.685)	0.611 (0.474-0.795)	0.709 (0.525-0.967)	0.792 (0.564-1.12)
15-min	0.249 (0.222-0.283)	0.300 (0.266-0.341)	0.369 (0.327-0.421)	0.428 (0.376-0.493)	0.513 (0.433-0.614)	0.582 (0.480-0.714)	0.657 (0.526-0.828)	0.738 (0.573-0.961)	0.857 (0.635-1.17)	0.958 (0.682-1.36)
30-min	0.370 (0.329-0.420)	0.445 (0.395-0.506)	0.547 (0.485-0.624)	0.635 (0.557-0.731)	0.761 (0.642-0.910)	0.863 (0.711-1.06)	0.974 (0.780-1.23)	1.09 (0.849-1.42)	1.27 (0.941-1.73)	1.42 (1.01-2.01)
60-min	0.553 (0.492-0.628)	0.665 (0.591-0.756)	0.819 (0.725-0.934)	0.950 (0.833-1.09)	1.14 (0.960-1.36)	1.29 (1.06-1.58)	1.46 (1.17-1.84)	1.64 (1.27-2.13)	1.90 (1.41-2.59)	2.12 (1.51-3.01)
2-hr	0.835 (0.743-0.948)	1.01 (0.899-1.15)	1.25 (1.10-1.42)	1.44 (1.26-1.66)	1.70 (1.44-2.04)	1.91 (1.57-2.34)	2.12 (1.70-2.67)	2.34 (1.82-3.05)	2.65 (1.96-3.61)	2.89 (2.06-4.09)
3-hr	1.08 (0.957-1.22)	1.31 (1.16-1.49)	1.61 (1.42-1.84)	1.85 (1.62-2.13)	2.18 (1.84-2.61)	2.43 (2.00-2.98)	2.69 (2.15-3.39)	2.95 (2.29-3.84)	3.30 (2.44-4.50)	3.57 (2.54-5.07)
6-hr	1.64 (1.46-1.86)	2.00 (1.78-2.28)	2.46 (2.18-2.81)	2.83 (2.48-3.26)	3.32 (2.80-3.97)	3.68 (3.03-4.51)	4.04 (3.24-5.09)	4.40 (3.42-5.73)	4.88 (3.61-6.66)	5.24 (3.73-7.43)
12-hr	2.36 (2.10-2.68)	2.92 (2.59-3.32)	3.62 (3.20-4.13)	4.17 (3.66-4.80)	4.89 (4.13-5.86)	5.43 (4.47-6.66)	5.96 (4.78-7.51)	6.49 (5.04-8.45)	7.18 (5.32-9.80)	7.70 (5.49-10.9)
24-hr	3.33 (2.99-3.78)	4.17 (3.74-4.74)	5.23 (4.68-5.96)	6.07 (5.40-6.96)	7.16 (6.20-8.44)	7.98 (6.79-9.57)	8.78 (7.33-10.7)	9.59 (7.81-12.0)	10.6 (8.38-13.8)	11.4 (8.74-15.3)
2-day	4.37 (3.93-4.96)	5.53 (4.97-6.29)	7.01 (6.28-7.98)	8.19 (7.29-9.39)	9.74 (8.44-11.5)	10.9 (9.28-13.1)	12.1 (10.1-14.8)	13.2 (10.8-16.6)	14.8 (11.6-19.1)	15.9 (12.2-21.3)
3-day	5.05 (4.54-5.73)	6.42 (5.76-7.30)	8.18 (7.33-9.32)	9.59 (8.54-11.0)	11.5 (9.93-13.5)	12.9 (11.0-15.4)	14.3 (11.9-17.5)	15.7 (12.8-19.7)	17.6 (13.9-22.9)	19.1 (14.6-25.5)
4-day	5.62 (5.05-6.38)	7.17 (6.43-8.14)	9.15 (8.20-10.4)	10.7 (9.56-12.3)	12.9 (11.1-15.1)	14.4 (12.3-17.3)	16.0 (13.4-19.6)	17.7 (14.4-22.1)	19.8 (15.6-25.7)	21.4 (16.4-28.6)
7-day	6.95 (6.24-7.89)	8.86 (7.95-10.1)	11.3 (10.1-12.9)	13.2 (11.8-15.2)	15.8 (13.7-18.6)	17.7 (15.1-21.2)	19.6 (16.4-24.0)	21.5 (17.6-27.0)	24.1 (19.0-31.2)	26.0 (19.9-34.7)
10-day	7.90 (7.10-8.97)	10.1 (9.04-11.4)	12.8 (11.5-14.6)	15.0 (13.3-17.2)	17.8 (15.4-21.0)	19.9 (17.0-23.9)	22.0 (18.3-26.9)	24.1 (19.6-30.2)	26.8 (21.1-34.8)	28.9 (22.1-38.5)
20-day	10.4 (9.37-11.8)	13.3 (11.9-15.1)	16.9 (15.1-19.2)	19.6 (17.5-22.5)	23.2 (20.1-27.3)	25.7 (21.9-30.9)	28.2 (23.6-34.5)	30.7 (25.0-38.4)	33.8 (26.6-43.9)	36.1 (27.6-48.2)
30-day	12.5 (11.3-14.2)	15.9 (14.3-18.1)	20.1 (18.0-22.9)	23.3 (20.7-26.7)	27.4 (23.7-32.2)	30.3 (25.8-36.3)	33.1 (27.6-40.4)	35.8 (29.2-44.8)	39.2 (30.9-50.8)	41.7 (31.9-55.6)
45-day	15.3 (13.8-17.4)	19.4 (17.4-22.0)	24.3 (21.7-27.6)	28.0 (24.9-32.1)	32.6 (28.2-38.4)	35.9 (30.5-43.0)	39.0 (32.5-47.7)	42.0 (34.2-52.6)	45.7 (36.0-59.3)	48.4 (37.0-64.6)
60-day	18.1 (16.3-20.6)	22.8 (20.5-25.9)	28.3 (25.4-32.3)	32.5 (28.9-37.3)	37.6 (32.6-44.4)	41.3 (35.1-49.5)	44.7 (37.3-54.6)	47.9 (39.0-60.0)	51.9 (40.9-67.3)	54.8 (41.9-73.1)

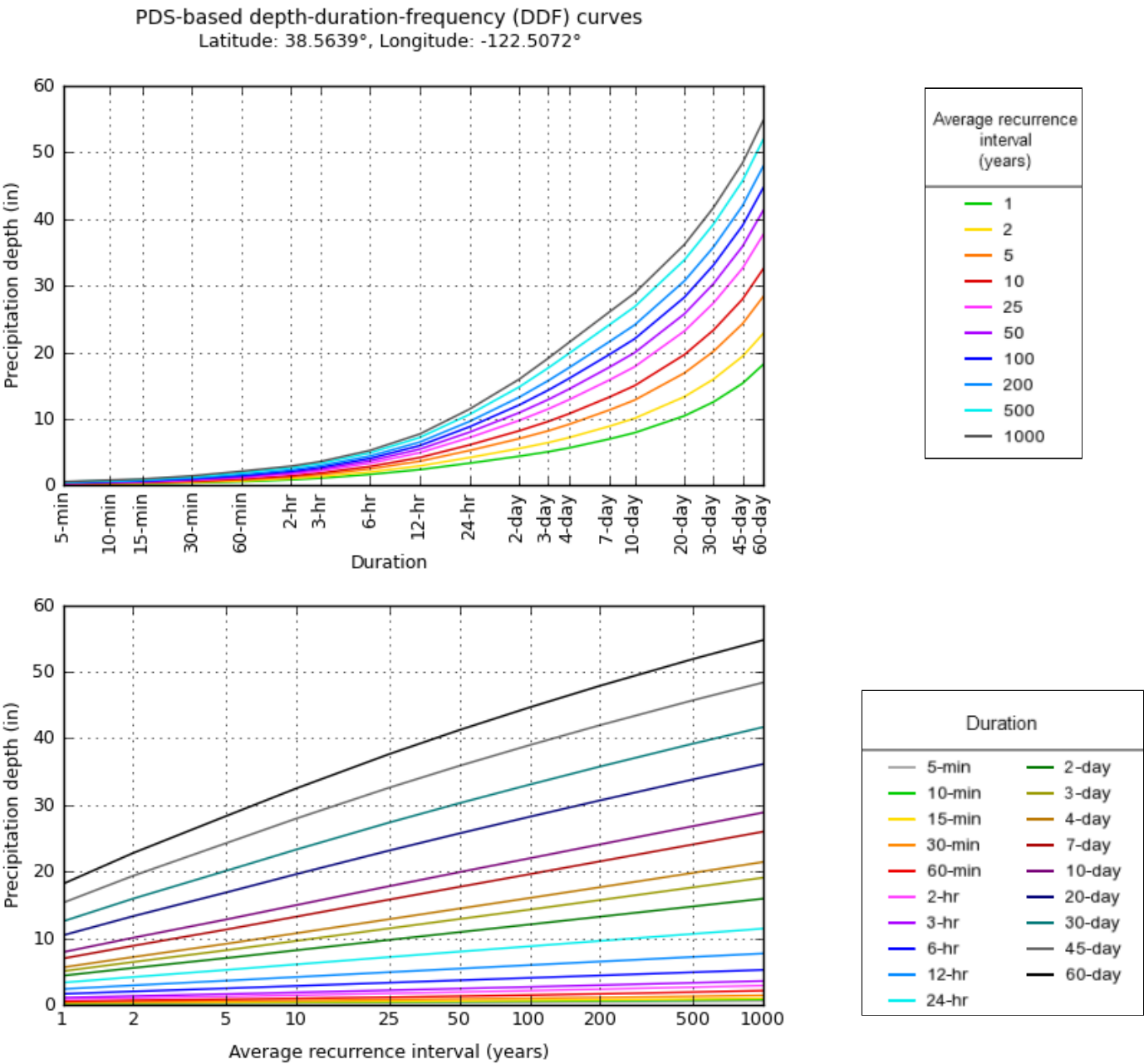
¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

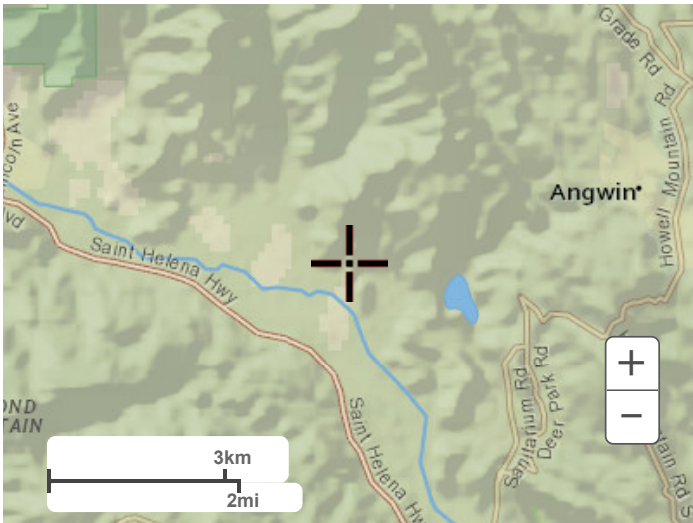
[Back to Top](#)

PF graphical



Maps & aerials

Small scale terrain



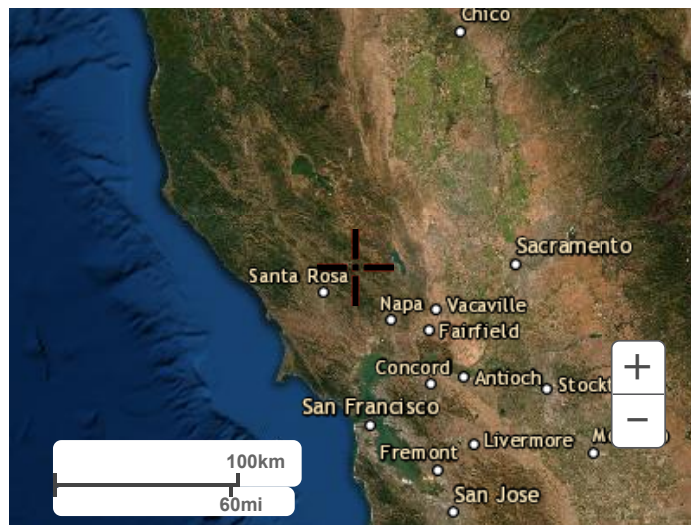
Large scale terrain



Large scale map



Large scale aerial



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