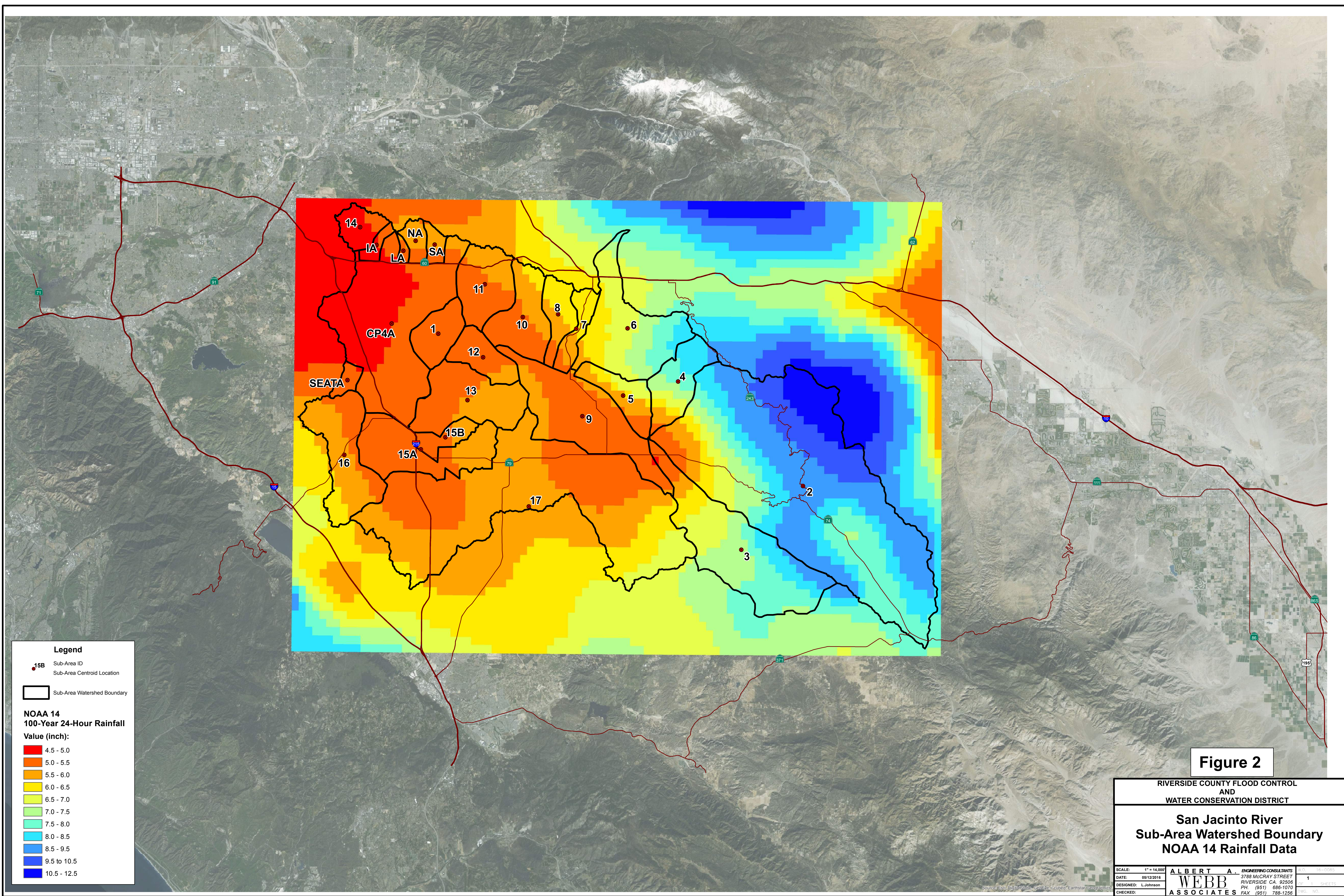




Legend

15B

Sub-Area ID

Sub-Area Centroid Location

Sub-Area Watershed Boundary

NOAA 14
100-Year 24-Hour Rainfall
Value (inch):

4.5 - 5.0

5.0 - 5.5

5.5 - 6.0

6.0 - 6.5

6.5 - 7.0

7.0 - 7.5

7.5 - 8.0

8.0 - 8.5

8.5 - 9.5

9.5 to 10.5

10.5 - 12.5

Figure 2

RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

San Jacinto River
Sub-Area Watershed Boundary
NOAA 14 Rainfall Data

SCALE: 1" = 14,000'

DATE: 09/12/2016

DESIGNED: L. Johnson

CHECKED:

ALBERT A. ENGINEERING CONSULTANTS
3788 MCCRAY STREET
RIVERSIDE, CA 92506
PH. (951) 686-1070
FAX (951) 788-1256

WEBB
ASSOCIATES

NO. 16-009

OF 1 SHEETS

NO. 00

		NOAA 14 DATA (100-Year 24-Hour)							DATA FROM PRIOR STUDIES		CALCULATIONS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Sub Area Number	Sub Area Name	Minimum (1/1000 Inch)	Maximum (1/1000 Inch)	Mean (1/1000 Inch)	St Dev (1/1000 Inch)	Longitude Centroid	Latitude Centroid	Precipitation at Centroid (Inch)	Average Point Value (Inch)	Adjusted Point Value(Inch)	% DIFFERENCE**
1	Lake Perris	5282	5442	5374	43	-117.163754	33.868553	5.44	---	---	---
2	San Jacinto Mt. At Bautista Creek	5148	11927	8491	1292	-116.721266	33.717103	8.81	8.99	8.23	-5.6%
3	Bautista Creek	5000	9175	7264	880	-116.795507	33.652352	7.33	7.02	6.42	3.5%
4	Poppet Creek	5360	8568	7411	901	-116.873062	33.821844	7.67	6.90	6.31	7.4%
5	Soboba - Gilman	5135	6933	5942	521	-116.939473	33.807371	5.97	5.66	5.17	5.0%
6	Massacre Canyon	5739	8302	6970	583	-116.934661	33.875407	6.80	6.49	5.92	7.4%
7	Lamb Canyon	5416	6448	5974	376	-116.996653	33.874562	6.02	5.18	4.73	15.3%
8	Laborde Canyon	5409	6331	5952	284	-117.018841	33.889123	6.04	5.04	4.60	18.1%
9*	San Jacinto Valley	5005	5674	5336	170	-116.988526	33.786099	5.26	4.73	4.31	12.8%
10	Jack Rabbit	5281	6199	5542	255	-117.061456	33.88611	5.44	4.73	4.30	17.2%
11	Badlands	5277	5795	5449	155	-117.107867	33.918811	5.38	4.75	4.32	14.7%
12	Lakeview	5310	5609	5389	87	-117.109199	33.845149	5.36	4.32	3.93	24.7%
13*	Nuevo	5224	5903	5522	217	-117.127736	33.80166	5.55	4.16	3.78	32.7%
14	Pigeon Pass	4694	5229	4879	146	-117.259653	33.975493	4.87	5.68	---	-14.1%
14 (CP4A)	Perris Valley	4500	5554	4979	274	-117.220285	33.87827	5.03	4.83	---	3.1%
14 (IA)	Indian Festival Basin	4677	5358	4901	231	-117.239477	33.957326	4.90	5.29	---	-7.4%
14 (LA)	Lasselle Basin	5084	5452	5294	156	-117.206984	33.95199	5.28	5.30	---	-0.1%
14 (NA)	Nason Basin	5179	5736	5510	165	-117.192151	33.962031	5.51	5.52	---	-0.2%
14 (SA)	Sinclair	5319	5549	5464	77	-117.169014	33.958378	5.50	5.50	---	-0.7%
14 (SEATA)	Seaton	4989	5367	5155	125	-117.273171	33.820785	5.22	5.19	---	-0.7%
15A	Romoland	5166	5899	5423	203	-117.183611	33.751527	5.32	4.52	4.10	20.0%
15B	Romoland B System	5291	5831	5485	155	-117.154087	33.763942	5.48	4.52	4.10	21.3%
16	Railroad Canyon	5248	6406	5669	278	-117.276144	33.745221	5.62	5.75	5.22	-1.4%
17	Salt Creek	5067	6966	5692	377	-117.052499	33.694739	5.68	4.94	4.47	15.2%

- (1) Number of the sub area taken from sjr_subareas.shp
- (2) Name of the sub area taken from sjr_subareas.shp
- (3) Minimum NOAA-14 100YR 24HR grid value within sub-basin
- (4) Maximum NOAA-14 100YR 24HR grid value within sub-basin
- (5) Mean NOAA-14 100YR 24HR grid value within sub-basin
- (6) NOAA-14 100YR 24HR grid standard deviation within sub-basin
- (7) Longitude of the centroid of the sub-basin
- (8) Lattitude of the centroid of the sub-basin
- (9) NOAA-14 100YR 24HR precipitation value at centroid of sub-basin
- (10) Average 100YR 24HR precipitation from prior studies
- (11) Average 100YR 24HR precipitation adjusted for area tributary to river from prior studies
- (12) 1-K/(F/1000)

* The shapefile contains a feature representing a second part of this sub-basin; however, due to the basin size they are negligible

** Positive values indicate the NOAA precipitation values are larger than those in prior studies

Subarea 2 (San Jacinto at
Bautista Creek)

NOAA Atlas 14, Volume 6, Version 2
Location name: Mountain Center, California, US*
Latitude: 33.7171°, Longitude: -116.7213°
Elevation: 4797 ft*
 * source: Google Maps

**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 & aeriels](#)

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	0.132 (0.111-0.160)	0.175 (0.146-0.212)	0.235 (0.196-0.285)	0.288 (0.237-0.352)	0.365 (0.291-0.462)	0.429 (0.335-0.555)	0.499 (0.379-0.662)	0.575 (0.425-0.787)	0.688 (0.487-0.982)	0.783 (0.535-1.16)
10-min	0.190 (0.159-0.229)	0.251 (0.209-0.304)	0.337 (0.281-0.409)	0.412 (0.340-0.505)	0.523 (0.417-0.663)	0.615 (0.480-0.796)	0.715 (0.544-0.949)	0.825 (0.609-1.13)	0.986 (0.698-1.41)	1.12 (0.766-1.66)
15-min	0.230 (0.192-0.277)	0.303 (0.253-0.367)	0.408 (0.339-0.495)	0.499 (0.412-0.610)	0.632 (0.504-0.801)	0.744 (0.580-0.963)	0.864 (0.657-1.15)	0.997 (0.737-1.36)	1.19 (0.844-1.70)	1.36 (0.927-2.01)
30-min	0.355 (0.297-0.429)	0.469 (0.392-0.568)	0.630 (0.525-0.765)	0.771 (0.637-0.944)	0.978 (0.780-1.24)	1.15 (0.897-1.49)	1.34 (1.02-1.77)	1.54 (1.14-2.11)	1.84 (1.30-2.63)	2.10 (1.43-3.10)
60-min	0.525 (0.439-0.635)	0.694 (0.580-0.840)	0.933 (0.777-1.13)	1.14 (0.942-1.40)	1.45 (1.15-1.83)	1.70 (1.33-2.20)	1.98 (1.50-2.63)	2.28 (1.69-3.12)	2.73 (1.93-3.90)	3.11 (2.12-4.59)
2-hr	0.701 (0.586-0.847)	0.922 (0.770-1.12)	1.23 (1.03-1.50)	1.50 (1.24-1.84)	1.90 (1.51-2.41)	2.23 (1.74-2.88)	2.58 (1.96-3.43)	2.97 (2.19-4.06)	3.53 (2.50-5.04)	4.00 (2.73-5.92)
3-hr	0.838 (0.701-1.01)	1.10 (0.918-1.33)	1.47 (1.22-1.78)	1.78 (1.47-2.18)	2.25 (1.79-2.84)	2.63 (2.05-3.40)	3.03 (2.31-4.03)	3.48 (2.57-4.76)	4.13 (2.92-5.90)	4.68 (3.19-6.92)
6-hr	1.20 (1.00-1.45)	1.56 (1.31-1.89)	2.08 (1.73-2.52)	2.52 (2.08-3.08)	3.15 (2.52-4.00)	3.67 (2.87-4.76)	4.23 (3.22-5.62)	4.84 (3.58-6.62)	5.72 (4.05-8.17)	6.45 (4.41-9.54)
12-hr	1.71 (1.43-2.07)	2.25 (1.88-2.72)	2.99 (2.49-3.63)	3.62 (2.99-4.43)	4.52 (3.60-5.73)	5.25 (4.09-6.80)	6.02 (4.58-8.00)	6.86 (5.07-9.38)	8.06 (5.71-11.5)	9.05 (6.18-13.4)
24-hr	2.43 (2.15-2.80)	3.23 (2.85-3.73)	4.33 (3.81-5.01)	5.26 (4.60-6.14)	6.59 (5.58-7.94)	7.67 (6.36-9.43)	8.80 (7.14-11.1)	10.0 (7.91-13.0)	11.8 (8.93-15.9)	13.2 (9.69-18.4)
2-day	2.96 (2.62-3.42)	4.05 (3.58-4.68)	5.56 (4.90-6.44)	6.86 (6.00-8.01)	8.74 (7.40-10.5)	10.3 (8.53-12.6)	11.9 (9.66-15.0)	13.7 (10.8-17.7)	16.3 (12.3-21.9)	18.4 (13.5-25.6)
3-day	3.07 (2.71-3.54)	4.27 (3.77-4.93)	5.95 (5.24-6.89)	7.42 (6.49-8.66)	9.56 (8.10-11.5)	11.3 (9.40-13.9)	13.2 (10.7-16.7)	15.3 (12.1-19.8)	18.4 (13.9-24.7)	20.9 (15.3-29.1)
4-day	3.23 (2.86-3.73)	4.51 (3.98-5.21)	6.32 (5.57-7.32)	7.91 (6.92-9.23)	10.3 (8.69-12.4)	12.2 (10.1-15.0)	14.3 (11.6-18.1)	16.7 (13.2-21.6)	20.2 (15.3-27.1)	23.1 (16.9-32.1)
7-day	3.71 (3.28-4.28)	5.09 (4.49-5.87)	7.08 (6.24-8.20)	8.87 (7.75-10.3)	11.6 (9.79-13.9)	13.8 (11.5-17.0)	16.4 (13.3-20.6)	19.2 (15.2-24.9)	23.5 (17.8-31.7)	27.2 (20.0-37.9)
10-day	3.97 (3.51-4.58)	5.40 (4.77-6.23)	7.48 (6.59-8.66)	9.37 (8.19-10.9)	12.2 (10.4-14.7)	14.7 (12.2-18.1)	17.5 (14.1-22.0)	20.6 (16.2-26.6)	25.3 (19.2-34.1)	29.5 (21.6-41.0)
20-day	4.76 (4.21-5.50)	6.45 (5.70-7.44)	8.91 (7.86-10.3)	11.2 (9.75-13.0)	14.6 (12.3-17.6)	17.5 (14.6-21.6)	20.9 (16.9-26.3)	24.7 (19.5-31.9)	30.4 (23.1-41.0)	35.5 (26.0-49.4)
30-day	5.57 (4.93-6.43)	7.55 (6.67-8.72)	10.4 (9.20-12.1)	13.0 (11.4-15.2)	17.0 (14.4-20.5)	20.4 (16.9-25.0)	24.1 (19.6-30.4)	28.4 (22.4-36.8)	35.0 (26.5-47.1)	40.6 (29.8-56.5)
45-day	6.55 (5.79-7.56)	8.88 (7.85-10.3)	12.2 (10.8-14.2)	15.2 (13.3-17.8)	19.7 (16.7-23.7)	23.4 (19.4-28.8)	27.6 (22.4-34.7)	32.3 (25.5-41.7)	39.3 (29.8-52.8)	45.3 (33.2-63.0)
60-day	7.56 (6.69-8.72)	10.2 (9.04-11.8)	14.0 (12.4-16.2)	17.3 (15.2-20.2)	22.2 (18.8-26.8)	26.3 (21.8-32.3)	30.8 (24.9-38.7)	35.7 (28.2-46.2)	43.0 (32.6-57.9)	49.2 (36.1-68.4)

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.

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Subarea 3 Bautista Creek



NOAA Atlas 14, Volume 6, Version 2
Location name: Hemet, California, US*
Latitude: 33.6524°, Longitude: -116.7955°
Elevation: 3214 ft*
 * source: Google Maps

**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 & aeriels](#)

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	0.125 (0.105-0.151)	0.170 (0.142-0.206)	0.234 (0.195-0.284)	0.291 (0.240-0.355)	0.374 (0.299-0.474)	0.444 (0.347-0.575)	0.521 (0.396-0.691)	0.606 (0.448-0.829)	0.733 (0.519-1.05)	0.842 (0.575-1.25)
10-min	0.180 (0.150-0.217)	0.244 (0.204-0.295)	0.336 (0.280-0.407)	0.417 (0.344-0.509)	0.536 (0.428-0.679)	0.637 (0.497-0.824)	0.747 (0.568-0.991)	0.869 (0.642-1.19)	1.05 (0.744-1.50)	1.21 (0.824-1.78)
15-min	0.217 (0.182-0.262)	0.295 (0.247-0.357)	0.406 (0.339-0.492)	0.504 (0.417-0.616)	0.649 (0.518-0.821)	0.770 (0.601-0.996)	0.903 (0.687-1.20)	1.05 (0.777-1.44)	1.27 (0.900-1.81)	1.46 (0.997-2.16)
30-min	0.327 (0.274-0.395)	0.445 (0.372-0.538)	0.612 (0.510-0.742)	0.759 (0.627-0.928)	0.977 (0.780-1.24)	1.16 (0.905-1.50)	1.36 (1.03-1.80)	1.58 (1.17-2.16)	1.92 (1.35-2.73)	2.20 (1.50-3.25)
60-min	0.474 (0.396-0.571)	0.644 (0.538-0.778)	0.885 (0.738-1.07)	1.10 (0.907-1.34)	1.41 (1.13-1.79)	1.68 (1.31-2.17)	1.97 (1.50-2.61)	2.29 (1.69-3.13)	2.77 (1.96-3.95)	3.18 (2.17-4.70)
2-hr	0.648 (0.543-0.782)	0.859 (0.718-1.04)	1.16 (0.965-1.40)	1.42 (1.17-1.74)	1.81 (1.44-2.29)	2.13 (1.67-2.76)	2.49 (1.89-3.30)	2.88 (2.13-3.94)	3.47 (2.46-4.95)	3.97 (2.71-5.87)
3-hr	0.775 (0.649-0.936)	1.02 (0.850-1.23)	1.36 (1.13-1.65)	1.66 (1.37-2.03)	2.10 (1.68-2.66)	2.47 (1.93-3.20)	2.88 (2.19-3.83)	3.34 (2.47-4.56)	4.01 (2.84-5.73)	4.59 (3.14-6.79)
6-hr	1.08 (0.904-1.30)	1.40 (1.17-1.69)	1.86 (1.55-2.25)	2.26 (1.86-2.76)	2.85 (2.27-3.60)	3.34 (2.61-4.32)	3.88 (2.96-5.16)	4.49 (3.32-6.14)	5.40 (3.82-7.71)	6.19 (4.22-9.15)
12-hr	1.46 (1.23-1.77)	1.90 (1.59-2.30)	2.52 (2.10-3.05)	3.06 (2.53-3.74)	3.86 (3.08-4.89)	4.53 (3.54-5.86)	5.26 (4.01-6.99)	6.08 (4.50-8.31)	7.30 (5.17-10.4)	8.35 (5.70-12.3)
24-hr	1.97 (1.74-2.27)	2.58 (2.28-2.98)	3.46 (3.04-4.00)	4.22 (3.69-4.93)	5.35 (4.53-6.45)	6.29 (5.22-7.74)	7.33 (5.94-9.22)	8.47 (6.69-11.0)	10.2 (7.71-13.7)	11.6 (8.52-16.2)
2-day	2.36 (2.09-2.73)	3.19 (2.82-3.68)	4.36 (3.84-5.04)	5.38 (4.70-6.27)	6.87 (5.82-8.29)	8.12 (6.74-9.99)	9.48 (7.68-11.9)	11.0 (8.66-14.2)	13.2 (9.98-17.7)	15.0 (11.0-20.9)
3-day	2.50 (2.21-2.88)	3.44 (3.04-3.97)	4.77 (4.20-5.52)	5.93 (5.18-6.92)	7.63 (6.46-9.19)	9.04 (7.50-11.1)	10.6 (8.57-13.3)	12.3 (9.67-15.8)	14.7 (11.2-19.8)	16.8 (12.3-23.4)
4-day	2.66 (2.35-3.06)	3.69 (3.26-4.26)	5.15 (4.54-5.97)	6.43 (5.62-7.51)	8.31 (7.04-10.0)	9.88 (8.20-12.1)	11.6 (9.38-14.6)	13.4 (10.6-17.4)	16.2 (12.3-21.8)	18.5 (13.6-25.7)
7-day	3.03 (2.68-3.49)	4.21 (3.72-4.87)	5.91 (5.20-6.84)	7.41 (6.47-8.65)	9.64 (8.16-11.6)	11.5 (9.56-14.2)	13.6 (11.0-17.1)	15.9 (12.5-20.6)	19.3 (14.7-26.0)	22.2 (16.3-30.9)
10-day	3.26 (2.88-3.76)	4.54 (4.01-5.24)	6.38 (5.62-7.38)	8.02 (7.01-9.36)	10.5 (8.87-12.6)	12.6 (10.4-15.4)	14.9 (12.0-18.7)	17.4 (13.8-22.6)	21.3 (16.2-28.7)	24.6 (18.1-34.3)
20-day	3.93 (3.47-4.53)	5.49 (4.85-6.34)	7.75 (6.83-8.98)	9.77 (8.54-11.4)	12.8 (10.8-15.4)	15.4 (12.8-18.9)	18.3 (14.8-23.0)	21.5 (16.9-27.8)	26.3 (20.0-35.4)	30.5 (22.4-42.5)
30-day	4.63 (4.10-5.34)	6.48 (5.73-7.49)	9.15 (8.06-10.6)	11.5 (10.1-13.4)	15.1 (12.8-18.2)	18.1 (15.0-22.2)	21.4 (17.4-27.0)	25.2 (19.9-32.5)	30.8 (23.3-41.4)	35.6 (26.1-49.6)
45-day	5.45 (4.82-6.29)	7.60 (6.72-8.78)	10.7 (9.41-12.4)	13.4 (11.7-15.6)	17.4 (14.7-21.0)	20.8 (17.3-25.6)	24.5 (19.9-30.9)	28.7 (22.6-37.1)	34.9 (26.5-47.0)	40.2 (29.5-55.9)
60-day	6.34 (5.61-7.31)	8.80 (7.77-10.2)	12.3 (10.8-14.2)	15.3 (13.4-17.9)	19.8 (16.8-23.9)	23.5 (19.5-28.9)	27.6 (22.4-34.7)	32.1 (25.4-41.5)	38.8 (29.4-52.2)	44.5 (32.6-61.8)

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.

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Subarea 4 (Poppet Creek)



NOAA Atlas 14, Volume 6, Version 2
Location name: Banning, California, US*
Latitude: 33.8218°, Longitude: -116.8731°
Elevation: 3174 ft*
 * source: Google Maps

**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

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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	0.122 (0.102-0.148)	0.163 (0.136-0.197)	0.223 (0.185-0.271)	0.278 (0.229-0.341)	0.363 (0.289-0.461)	0.438 (0.341-0.568)	0.523 (0.397-0.696)	0.622 (0.459-0.852)	0.777 (0.549-1.11)	0.984 (0.672-1.46)
10-min	0.175 (0.146-0.211)	0.233 (0.194-0.282)	0.319 (0.265-0.388)	0.398 (0.328-0.488)	0.520 (0.414-0.660)	0.628 (0.489-0.814)	0.750 (0.570-0.997)	0.892 (0.658-1.22)	1.11 (0.787-1.59)	1.41 (0.963-2.09)
15-min	0.211 (0.176-0.256)	0.282 (0.235-0.342)	0.386 (0.321-0.469)	0.482 (0.397-0.591)	0.629 (0.501-0.798)	0.759 (0.592-0.984)	0.907 (0.689-1.21)	1.08 (0.796-1.48)	1.35 (0.952-1.92)	1.71 (1.16-2.52)
30-min	0.315 (0.263-0.381)	0.420 (0.350-0.509)	0.576 (0.479-0.700)	0.718 (0.592-0.881)	0.939 (0.747-1.19)	1.13 (0.882-1.47)	1.35 (1.03-1.80)	1.61 (1.19-2.20)	2.01 (1.42-2.87)	2.54 (1.74-3.77)
60-min	0.468 (0.391-0.566)	0.624 (0.520-0.756)	0.855 (0.711-1.04)	1.07 (0.879-1.31)	1.39 (1.11-1.77)	1.68 (1.31-2.18)	2.01 (1.52-2.67)	2.39 (1.76-3.27)	2.98 (2.11-4.26)	3.78 (2.58-5.59)
2-hr	0.677 (0.565-0.820)	0.873 (0.728-1.06)	1.15 (0.959-1.40)	1.40 (1.16-1.72)	1.78 (1.41-2.25)	2.09 (1.63-2.71)	2.44 (1.85-3.25)	2.83 (2.09-3.88)	3.43 (2.42-4.90)	3.94 (2.69-5.84)
3-hr	0.833 (0.696-1.01)	1.06 (0.886-1.29)	1.39 (1.15-1.69)	1.67 (1.38-2.05)	2.09 (1.66-2.65)	2.43 (1.90-3.15)	2.81 (2.14-3.74)	3.24 (2.39-4.43)	3.87 (2.74-5.53)	4.41 (3.01-6.53)
6-hr	1.20 (1.00-1.45)	1.52 (1.27-1.84)	1.96 (1.63-2.38)	2.34 (1.93-2.87)	2.89 (2.30-3.67)	3.34 (2.60-4.33)	3.83 (2.91-5.09)	4.36 (3.22-5.97)	5.13 (3.63-7.33)	5.78 (3.95-8.56)
12-hr	1.66 (1.39-2.01)	2.11 (1.76-2.56)	2.74 (2.28-3.33)	3.27 (2.70-4.01)	4.04 (3.22-5.13)	4.67 (3.64-6.05)	5.34 (4.06-7.10)	6.08 (4.48-8.31)	7.14 (5.05-10.2)	8.02 (5.48-11.9)
24-hr	2.25 (1.99-2.60)	2.91 (2.57-3.36)	3.82 (3.37-4.43)	4.61 (4.03-5.38)	5.74 (4.86-6.92)	6.67 (5.54-8.20)	7.67 (6.22-9.66)	8.76 (6.91-11.3)	10.3 (7.83-13.9)	11.7 (8.54-16.2)
2-day	2.77 (2.45-3.19)	3.67 (3.25-4.24)	4.92 (4.34-5.70)	6.00 (5.25-7.01)	7.58 (6.42-9.13)	8.87 (7.36-10.9)	10.3 (8.32-12.9)	11.8 (9.29-15.2)	14.0 (10.6-18.8)	15.8 (11.6-22.0)
3-day	2.99 (2.65-3.45)	4.02 (3.56-4.65)	5.46 (4.81-6.32)	6.71 (5.87-7.83)	8.54 (7.23-10.3)	10.0 (8.34-12.4)	11.7 (9.47-14.7)	13.5 (10.6-17.4)	16.1 (12.2-21.6)	18.2 (13.4-25.4)
4-day	3.21 (2.85-3.71)	4.36 (3.85-5.03)	5.94 (5.24-6.88)	7.33 (6.41-8.55)	9.36 (7.93-11.3)	11.0 (9.17-13.6)	12.9 (10.4-16.2)	14.9 (11.7-19.2)	17.8 (13.5-23.9)	20.2 (14.8-28.2)
7-day	3.66 (3.24-4.22)	4.99 (4.41-5.76)	6.85 (6.04-7.93)	8.47 (7.41-9.88)	10.8 (9.18-13.1)	12.8 (10.6-15.8)	15.0 (12.1-18.8)	17.3 (13.7-22.4)	20.8 (15.8-28.0)	23.8 (17.4-33.1)
10-day	3.97 (3.51-4.58)	5.42 (4.79-6.26)	7.46 (6.57-8.63)	9.22 (8.07-10.8)	11.8 (10.0-14.2)	14.0 (11.6-17.2)	16.3 (13.2-20.6)	18.9 (14.9-24.5)	22.8 (17.3-30.7)	26.0 (19.1-36.2)
20-day	4.86 (4.30-5.61)	6.67 (5.89-7.70)	9.17 (8.08-10.6)	11.3 (9.92-13.2)	14.5 (12.3-17.5)	17.1 (14.2-21.0)	20.0 (16.2-25.1)	23.1 (18.2-29.9)	27.8 (21.1-37.4)	31.7 (23.3-44.2)
30-day	5.71 (5.05-6.58)	7.84 (6.93-9.05)	10.8 (9.49-12.5)	13.3 (11.6-15.5)	16.9 (14.3-20.4)	19.9 (16.5-24.5)	23.2 (18.8-29.2)	26.8 (21.2-34.7)	32.2 (24.4-43.3)	36.7 (26.9-51.1)
45-day	6.85 (6.06-7.90)	9.36 (8.27-10.8)	12.8 (11.3-14.8)	15.7 (13.7-18.3)	19.9 (16.8-23.9)	23.3 (19.3-28.6)	27.0 (21.9-34.0)	31.1 (24.5-40.2)	37.1 (28.1-50.0)	42.2 (30.9-58.8)
60-day	7.97 (7.05-9.19)	10.8 (9.56-12.5)	14.7 (12.9-17.0)	17.9 (15.7-20.9)	22.6 (19.1-27.2)	26.4 (21.9-32.4)	30.4 (24.7-38.3)	35.0 (27.6-45.2)	41.6 (31.5-56.0)	47.2 (34.6-65.7)

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.

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Subarea 5
(Soboba-Gilman)

NOAA Atlas 14, Volume 6, Version 2
Location name: San Jacinto, California, US*
Latitude: 33.8074°, Longitude: -116.9395°
Elevation: 1882 ft*
 * source: Google Maps

**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

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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	0.092 (0.077-0.111)	0.125 (0.104-0.151)	0.176 (0.146-0.213)	0.223 (0.184-0.273)	0.299 (0.238-0.379)	0.367 (0.286-0.475)	0.446 (0.339-0.592)	0.539 (0.398-0.738)	0.735 (0.520-1.05)	0.983 (0.671-1.46)
10-min	0.132 (0.110-0.160)	0.179 (0.150-0.217)	0.252 (0.209-0.306)	0.320 (0.264-0.392)	0.428 (0.341-0.543)	0.526 (0.410-0.681)	0.639 (0.486-0.849)	0.773 (0.571-1.06)	1.05 (0.745-1.50)	1.41 (0.961-2.09)
15-min	0.160 (0.133-0.193)	0.217 (0.181-0.263)	0.304 (0.253-0.370)	0.387 (0.319-0.474)	0.518 (0.412-0.656)	0.636 (0.495-0.824)	0.773 (0.587-1.03)	0.935 (0.690-1.28)	1.27 (0.901-1.82)	1.70 (1.16-2.52)
30-min	0.248 (0.207-0.300)	0.337 (0.281-0.408)	0.473 (0.394-0.575)	0.601 (0.496-0.736)	0.805 (0.641-1.02)	0.988 (0.770-1.28)	1.20 (0.913-1.60)	1.45 (1.07-1.99)	1.98 (1.40-2.83)	2.65 (1.81-3.92)
60-min	0.384 (0.320-0.464)	0.521 (0.435-0.631)	0.731 (0.608-0.888)	0.929 (0.766-1.14)	1.24 (0.991-1.58)	1.53 (1.19-1.98)	1.86 (1.41-2.47)	2.25 (1.66-3.07)	3.06 (2.16-4.37)	4.09 (2.79-6.06)
2-hr	0.575 (0.481-0.696)	0.739 (0.617-0.895)	0.982 (0.816-1.19)	1.20 (0.992-1.47)	1.54 (1.23-1.96)	1.84 (1.43-2.38)	2.18 (1.65-2.89)	2.56 (1.89-3.51)	3.16 (2.23-4.51)	4.13 (2.82-6.12)
3-hr	0.707 (0.590-0.854)	0.891 (0.743-1.08)	1.16 (0.965-1.41)	1.40 (1.16-1.72)	1.77 (1.41-2.25)	2.09 (1.63-2.70)	2.44 (1.85-3.24)	2.84 (2.10-3.88)	3.45 (2.44-4.93)	4.18 (2.85-6.18)
6-hr	1.00 (0.837-1.21)	1.25 (1.04-1.51)	1.59 (1.32-1.94)	1.90 (1.57-2.33)	2.36 (1.88-2.99)	2.74 (2.14-3.56)	3.17 (2.41-4.21)	3.64 (2.69-4.98)	4.35 (3.07-6.21)	4.95 (3.38-7.33)
12-hr	1.33 (1.11-1.61)	1.66 (1.39-2.01)	2.13 (1.77-2.59)	2.55 (2.10-3.12)	3.16 (2.52-4.01)	3.67 (2.86-4.76)	4.24 (3.22-5.63)	4.86 (3.59-6.65)	5.79 (4.09-8.27)	6.58 (4.49-9.73)
24-hr	1.78 (1.57-2.05)	2.25 (1.99-2.60)	2.94 (2.59-3.40)	3.54 (3.09-4.13)	4.42 (3.74-5.33)	5.16 (4.28-6.35)	5.97 (4.84-7.52)	6.87 (5.42-8.89)	8.20 (6.21-11.0)	9.32 (6.83-13.0)
2-day	2.18 (1.93-2.52)	2.85 (2.52-3.29)	3.77 (3.33-4.37)	4.58 (4.00-5.34)	5.75 (4.87-6.93)	6.71 (5.57-8.26)	7.75 (6.29-9.76)	8.89 (7.01-11.5)	10.5 (7.99-14.2)	11.9 (8.74-16.6)
3-day	2.40 (2.12-2.76)	3.18 (2.81-3.67)	4.27 (3.76-4.94)	5.20 (4.55-6.07)	6.55 (5.55-7.89)	7.65 (6.35-9.41)	8.83 (7.16-11.1)	10.1 (7.97-13.1)	11.9 (9.05-16.1)	13.5 (9.87-18.8)
4-day	2.57 (2.27-2.96)	3.45 (3.05-3.98)	4.66 (4.11-5.40)	5.70 (4.99-6.66)	7.20 (6.10-8.68)	8.41 (6.98-10.3)	9.71 (7.87-12.2)	11.1 (8.76-14.4)	13.1 (9.93-17.6)	14.7 (10.8-20.5)
7-day	2.90 (2.56-3.34)	3.99 (3.53-4.61)	5.48 (4.83-6.35)	6.75 (5.91-7.88)	8.56 (7.25-10.3)	10.0 (8.32-12.3)	11.6 (9.38-14.6)	13.2 (10.4-17.1)	15.6 (11.8-21.0)	17.6 (12.9-24.5)
10-day	3.14 (2.78-3.62)	4.38 (3.87-5.06)	6.07 (5.35-7.03)	7.50 (6.56-8.75)	9.53 (8.07-11.5)	11.2 (9.27-13.7)	12.9 (10.5-16.3)	14.8 (11.7-19.1)	17.4 (13.2-23.5)	19.6 (14.4-27.3)
20-day	3.89 (3.44-4.49)	5.48 (4.84-6.33)	7.63 (6.72-8.83)	9.45 (8.27-11.0)	12.0 (10.2-14.5)	14.1 (11.7-17.4)	16.3 (13.2-20.5)	18.7 (14.7-24.2)	22.1 (16.7-29.7)	24.8 (18.2-34.6)
30-day	4.58 (4.05-5.28)	6.43 (5.68-7.43)	8.95 (7.89-10.4)	11.1 (9.69-12.9)	14.1 (11.9-17.0)	16.5 (13.7-20.3)	19.1 (15.5-24.1)	21.9 (17.3-28.3)	25.9 (19.6-34.8)	29.1 (21.3-40.6)
45-day	5.48 (4.85-6.32)	7.63 (6.74-8.81)	10.6 (9.30-12.2)	13.0 (11.4-15.2)	16.5 (14.0-19.9)	19.4 (16.1-23.8)	22.4 (18.1-28.2)	25.6 (20.2-33.2)	30.3 (23.0-40.9)	34.2 (25.1-47.6)
60-day	6.41 (5.67-7.39)	8.82 (7.79-10.2)	12.1 (10.7-14.0)	14.9 (13.0-17.4)	18.9 (16.0-22.8)	22.1 (18.3-27.2)	25.5 (20.7-32.1)	29.3 (23.1-37.9)	34.7 (26.3-46.7)	39.1 (28.7-54.5)

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.

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Subarea 6
(Massacre Canyon)

NOAA Atlas 14, Volume 6, Version 2
Location name: Banning, California, US*
Latitude: 33.8754°, Longitude: -116.9347°
Elevation: 2244 ft*
 * source: Google Maps

**POINT PRECIPITATION FREQUENCY ESTIMATES**

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NOAA, National Weather Service, Silver Spring, Maryland

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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	0.118 (0.098-0.143)	0.154 (0.128-0.186)	0.207 (0.172-0.252)	0.257 (0.211-0.315)	0.334 (0.266-0.424)	0.403 (0.314-0.522)	0.481 (0.366-0.640)	0.573 (0.423-0.785)	0.719 (0.508-1.03)	0.850 (0.580-1.26)
10-min	0.169 (0.141-0.204)	0.220 (0.183-0.267)	0.297 (0.247-0.361)	0.368 (0.303-0.451)	0.479 (0.381-0.608)	0.577 (0.449-0.748)	0.690 (0.524-0.918)	0.822 (0.606-1.13)	1.03 (0.728-1.47)	1.22 (0.831-1.80)
15-min	0.204 (0.170-0.247)	0.266 (0.222-0.323)	0.359 (0.298-0.437)	0.445 (0.366-0.546)	0.579 (0.461-0.735)	0.698 (0.543-0.905)	0.834 (0.634-1.11)	0.994 (0.733-1.36)	1.25 (0.880-1.78)	1.47 (1.00-2.18)
30-min	0.303 (0.253-0.367)	0.395 (0.329-0.479)	0.533 (0.443-0.648)	0.660 (0.544-0.810)	0.859 (0.684-1.09)	1.04 (0.807-1.34)	1.24 (0.940-1.65)	1.48 (1.09-2.02)	1.85 (1.31-2.64)	2.19 (1.49-3.24)
60-min	0.450 (0.375-0.545)	0.587 (0.489-0.711)	0.791 (0.657-0.962)	0.980 (0.808-1.20)	1.28 (1.01-1.62)	1.54 (1.20-1.99)	1.84 (1.40-2.45)	2.19 (1.62-3.00)	2.75 (1.94-3.92)	3.25 (2.21-4.81)
2-hr	0.649 (0.542-0.786)	0.819 (0.682-0.993)	1.07 (0.885-1.30)	1.29 (1.06-1.58)	1.62 (1.29-2.06)	1.91 (1.49-2.48)	2.23 (1.69-2.97)	2.60 (1.92-3.55)	3.15 (2.23-4.50)	3.63 (2.48-5.38)
3-hr	0.797 (0.665-0.965)	0.995 (0.829-1.21)	1.28 (1.06-1.55)	1.53 (1.26-1.88)	1.90 (1.51-2.42)	2.22 (1.73-2.88)	2.56 (1.95-3.41)	2.95 (2.18-4.04)	3.53 (2.50-5.05)	4.03 (2.75-5.96)
6-hr	1.15 (0.957-1.39)	1.43 (1.19-1.73)	1.81 (1.51-2.21)	2.15 (1.77-2.63)	2.64 (2.10-3.35)	3.04 (2.37-3.94)	3.47 (2.63-4.61)	3.94 (2.91-5.40)	4.63 (3.27-6.62)	5.21 (3.55-7.71)
12-hr	1.56 (1.30-1.89)	1.97 (1.64-2.39)	2.53 (2.10-3.07)	3.00 (2.47-3.68)	3.67 (2.92-4.66)	4.21 (3.28-5.46)	4.78 (3.63-6.36)	5.40 (3.98-7.39)	6.27 (4.43-8.96)	6.99 (4.77-10.3)
24-hr	2.09 (1.85-2.41)	2.70 (2.39-3.12)	3.53 (3.11-4.08)	4.22 (3.69-4.93)	5.20 (4.41-6.27)	5.98 (4.96-7.36)	6.80 (5.51-8.56)	7.67 (6.05-9.93)	8.90 (6.75-12.0)	9.90 (7.25-13.8)
2-day	2.54 (2.25-2.93)	3.37 (2.98-3.89)	4.51 (3.97-5.22)	5.48 (4.79-6.39)	6.86 (5.81-8.27)	7.98 (6.63-9.82)	9.17 (7.43-11.5)	10.5 (8.24-13.5)	12.3 (9.30-16.5)	13.8 (10.1-19.2)
3-day	2.75 (2.43-3.17)	3.69 (3.26-4.26)	5.01 (4.41-5.79)	6.14 (5.37-7.17)	7.79 (6.60-9.39)	9.15 (7.59-11.2)	10.6 (8.59-13.3)	12.2 (9.61-15.8)	14.5 (11.0-19.5)	16.4 (12.0-22.8)
4-day	2.97 (2.63-3.42)	4.01 (3.55-4.63)	5.48 (4.83-6.34)	6.75 (5.90-7.87)	8.60 (7.28-10.4)	10.1 (8.40-12.4)	11.8 (9.53-14.8)	13.6 (10.7-17.5)	16.2 (12.2-21.8)	18.3 (13.4-25.5)
7-day	3.41 (3.02-3.93)	4.63 (4.09-5.34)	6.33 (5.58-7.32)	7.79 (6.82-9.09)	9.92 (8.40-12.0)	11.7 (9.68-14.3)	13.5 (11.0-17.0)	15.6 (12.3-20.2)	18.5 (14.0-25.0)	21.0 (15.4-29.2)
10-day	3.72 (3.29-4.29)	5.05 (4.47-5.83)	6.91 (6.09-8.00)	8.50 (7.44-9.92)	10.8 (9.15-13.0)	12.7 (10.5-15.6)	14.7 (11.9-18.5)	16.9 (13.3-21.9)	20.1 (15.2-27.0)	22.7 (16.6-31.6)
20-day	4.60 (4.07-5.30)	6.29 (5.56-7.26)	8.62 (7.60-9.98)	10.6 (9.28-12.4)	13.4 (11.4-16.2)	15.8 (13.1-19.4)	18.2 (14.8-22.9)	20.9 (16.4-27.0)	24.6 (18.7-33.2)	27.8 (20.3-38.7)
30-day	5.42 (4.79-6.25)	7.43 (6.57-8.58)	10.2 (8.97-11.8)	12.5 (10.9-14.6)	15.8 (13.4-19.1)	18.5 (15.3-22.7)	21.3 (17.3-26.8)	24.4 (19.2-31.5)	28.7 (21.7-38.7)	32.3 (23.6-45.0)
45-day	6.49 (5.75-7.49)	8.90 (7.86-10.3)	12.2 (10.7-14.1)	14.9 (13.0-17.4)	18.8 (15.9-22.6)	21.9 (18.1-26.9)	25.1 (20.4-31.6)	28.6 (22.6-37.0)	33.6 (25.5-45.3)	37.7 (27.6-52.5)
60-day	7.56 (6.69-8.72)	10.3 (9.12-11.9)	14.0 (12.4-16.2)	17.1 (15.0-20.0)	21.5 (18.2-25.9)	25.0 (20.7-30.7)	28.6 (23.2-36.1)	32.6 (25.7-42.1)	38.1 (28.9-51.3)	42.6 (31.2-59.4)

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.

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Subarea 7 (Lamb Canyon)



NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.8746°, Longitude: -116.9967°
Elevation: 2127 ft*
 * source: Google Maps

**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 & aeriels](#)

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	0.107 (0.089-0.130)	0.142 (0.118-0.172)	0.192 (0.160-0.233)	0.238 (0.196-0.292)	0.309 (0.246-0.392)	0.371 (0.289-0.481)	0.441 (0.335-0.587)	0.523 (0.386-0.717)	0.651 (0.460-0.931)	0.766 (0.523-1.14)
10-min	0.154 (0.128-0.186)	0.203 (0.169-0.246)	0.275 (0.229-0.334)	0.341 (0.281-0.418)	0.443 (0.352-0.562)	0.531 (0.414-0.689)	0.633 (0.481-0.842)	0.750 (0.554-1.03)	0.934 (0.660-1.33)	1.10 (0.749-1.63)
15-min	0.186 (0.155-0.225)	0.245 (0.204-0.297)	0.333 (0.277-0.405)	0.412 (0.340-0.506)	0.535 (0.426-0.679)	0.643 (0.501-0.833)	0.765 (0.581-1.02)	0.907 (0.669-1.24)	1.13 (0.798-1.61)	1.33 (0.906-1.97)
30-min	0.278 (0.232-0.337)	0.367 (0.306-0.445)	0.498 (0.414-0.605)	0.617 (0.509-0.757)	0.801 (0.638-1.02)	0.962 (0.749-1.25)	1.15 (0.870-1.52)	1.36 (1.00-1.86)	1.69 (1.19-2.42)	1.99 (1.36-2.94)
60-min	0.413 (0.344-0.499)	0.544 (0.454-0.660)	0.739 (0.614-0.898)	0.915 (0.754-1.12)	1.19 (0.945-1.51)	1.43 (1.11-1.85)	1.70 (1.29-2.26)	2.01 (1.49-2.76)	2.51 (1.77-3.58)	2.95 (2.01-4.37)
2-hr	0.598 (0.499-0.724)	0.759 (0.633-0.920)	0.991 (0.823-1.20)	1.20 (0.986-1.47)	1.50 (1.20-1.91)	1.77 (1.38-2.29)	2.06 (1.56-2.73)	2.38 (1.76-3.26)	2.88 (2.03-4.11)	3.31 (2.25-4.89)
3-hr	0.734 (0.612-0.888)	0.920 (0.767-1.11)	1.18 (0.984-1.44)	1.42 (1.17-1.74)	1.76 (1.40-2.23)	2.04 (1.59-2.65)	2.35 (1.79-3.13)	2.70 (1.99-3.70)	3.22 (2.27-4.60)	3.65 (2.49-5.41)
6-hr	1.05 (0.876-1.27)	1.31 (1.09-1.58)	1.66 (1.38-2.02)	1.97 (1.62-2.41)	2.41 (1.92-3.06)	2.77 (2.15-3.59)	3.15 (2.39-4.19)	3.57 (2.63-4.89)	4.17 (2.95-5.97)	4.67 (3.19-6.92)
12-hr	1.41 (1.17-1.70)	1.78 (1.48-2.15)	2.28 (1.90-2.77)	2.70 (2.23-3.31)	3.30 (2.63-4.18)	3.77 (2.94-4.89)	4.27 (3.24-5.68)	4.80 (3.54-6.57)	5.55 (3.92-7.93)	6.15 (4.20-9.11)
24-hr	1.86 (1.65-2.15)	2.42 (2.14-2.79)	3.16 (2.79-3.66)	3.78 (3.30-4.41)	4.64 (3.93-5.59)	5.32 (4.41-6.54)	6.02 (4.88-7.58)	6.76 (5.33-8.75)	7.80 (5.91-10.5)	8.63 (6.32-12.0)
2-day	2.25 (2.00-2.60)	2.99 (2.64-3.45)	3.99 (3.52-4.62)	4.84 (4.23-5.64)	6.03 (5.11-7.27)	6.99 (5.80-8.59)	7.99 (6.48-10.1)	9.07 (7.15-11.7)	10.6 (8.02-14.3)	11.8 (8.65-16.5)
3-day	2.44 (2.16-2.81)	3.27 (2.89-3.78)	4.42 (3.90-5.12)	5.41 (4.73-6.32)	6.83 (5.79-8.23)	7.99 (6.63-9.82)	9.21 (7.47-11.6)	10.5 (8.32-13.6)	12.5 (9.43-16.8)	14.0 (10.3-19.5)
4-day	2.63 (2.33-3.03)	3.56 (3.15-4.11)	4.85 (4.27-5.61)	5.95 (5.21-6.95)	7.55 (6.39-9.10)	8.85 (7.34-10.9)	10.2 (8.30-12.9)	11.8 (9.27-15.2)	13.9 (10.6-18.8)	15.7 (11.5-21.9)
7-day	3.01 (2.66-3.47)	4.10 (3.63-4.74)	5.61 (4.95-6.50)	6.91 (6.04-8.06)	8.77 (7.42-10.6)	10.3 (8.53-12.6)	11.9 (9.63-15.0)	13.6 (10.7-17.6)	16.1 (12.2-21.7)	18.1 (13.3-25.3)
10-day	3.26 (2.89-3.76)	4.47 (3.95-5.16)	6.13 (5.41-7.10)	7.55 (6.60-8.81)	9.58 (8.11-11.5)	11.2 (9.31-13.8)	13.0 (10.5-16.3)	14.8 (11.7-19.2)	17.5 (13.3-23.6)	19.7 (14.4-27.4)
20-day	4.02 (3.56-4.64)	5.57 (4.92-6.42)	7.67 (6.76-8.88)	9.46 (8.28-11.0)	12.0 (10.2-14.5)	14.0 (11.7-17.3)	16.2 (13.1-20.4)	18.5 (14.6-23.9)	21.8 (16.5-29.3)	24.4 (17.9-34.0)
30-day	4.74 (4.19-5.46)	6.57 (5.80-7.58)	9.05 (7.98-10.5)	11.2 (9.76-13.0)	14.1 (12.0-17.0)	16.5 (13.7-20.3)	19.0 (15.4-23.9)	21.7 (17.1-28.0)	25.4 (19.3-34.3)	28.5 (20.9-39.7)
45-day	5.67 (5.02-6.54)	7.84 (6.93-9.05)	10.8 (9.49-12.5)	13.2 (11.6-15.4)	16.7 (14.1-20.1)	19.5 (16.1-23.9)	22.4 (18.1-28.2)	25.4 (20.1-32.9)	29.8 (22.6-40.1)	33.3 (24.4-46.4)
60-day	6.62 (5.86-7.63)	9.08 (8.03-10.5)	12.4 (10.9-14.4)	15.2 (13.3-17.7)	19.1 (16.2-23.0)	22.2 (18.4-27.3)	25.4 (20.6-32.0)	28.9 (22.8-37.4)	33.8 (25.6-45.5)	37.7 (27.6-52.5)

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.

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Subarea 8
(Laborde Canyon)

NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.8891°, Longitude: -117.0188°
Elevation: 1915 ft*
 * source: Google Maps

**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

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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	0.110 (0.091-0.133)	0.143 (0.119-0.174)	0.193 (0.160-0.235)	0.238 (0.196-0.292)	0.308 (0.245-0.391)	0.369 (0.287-0.478)	0.438 (0.332-0.582)	0.518 (0.382-0.709)	0.643 (0.454-0.919)	0.755 (0.515-1.12)
10-min	0.157 (0.131-0.190)	0.206 (0.171-0.249)	0.277 (0.230-0.336)	0.341 (0.281-0.419)	0.441 (0.351-0.560)	0.528 (0.411-0.685)	0.628 (0.477-0.835)	0.742 (0.548-1.02)	0.922 (0.651-1.32)	1.08 (0.738-1.60)
15-min	0.190 (0.159-0.230)	0.249 (0.207-0.301)	0.335 (0.278-0.407)	0.413 (0.340-0.506)	0.533 (0.424-0.677)	0.639 (0.497-0.829)	0.759 (0.576-1.01)	0.898 (0.662-1.23)	1.11 (0.788-1.59)	1.31 (0.893-1.94)
30-min	0.283 (0.236-0.343)	0.370 (0.309-0.449)	0.499 (0.414-0.606)	0.615 (0.507-0.754)	0.795 (0.633-1.01)	0.952 (0.742-1.24)	1.13 (0.859-1.50)	1.34 (0.987-1.83)	1.66 (1.17-2.38)	1.95 (1.33-2.89)
60-min	0.418 (0.349-0.506)	0.546 (0.455-0.662)	0.735 (0.611-0.894)	0.907 (0.747-1.11)	1.17 (0.933-1.49)	1.40 (1.09-1.82)	1.67 (1.27-2.22)	1.97 (1.46-2.70)	2.45 (1.73-3.50)	2.88 (1.96-4.26)
2-hr	0.603 (0.503-0.731)	0.760 (0.634-0.922)	0.986 (0.820-1.20)	1.19 (0.978-1.46)	1.49 (1.19-1.89)	1.75 (1.36-2.27)	2.03 (1.54-2.70)	2.35 (1.74-3.23)	2.84 (2.01-4.06)	3.26 (2.23-4.83)
3-hr	0.740 (0.618-0.896)	0.922 (0.769-1.12)	1.18 (0.981-1.44)	1.41 (1.16-1.73)	1.75 (1.39-2.21)	2.03 (1.58-2.63)	2.34 (1.77-3.11)	2.68 (1.98-3.67)	3.19 (2.26-4.56)	3.63 (2.47-5.37)
6-hr	1.06 (0.885-1.28)	1.31 (1.09-1.59)	1.66 (1.38-2.02)	1.97 (1.62-2.41)	2.40 (1.91-3.05)	2.76 (2.15-3.58)	3.14 (2.39-4.18)	3.56 (2.63-4.88)	4.16 (2.94-5.95)	4.66 (3.18-6.91)
12-hr	1.42 (1.19-1.72)	1.79 (1.49-2.17)	2.29 (1.90-2.79)	2.71 (2.23-3.33)	3.30 (2.63-4.19)	3.78 (2.94-4.90)	4.27 (3.24-5.68)	4.79 (3.54-6.57)	5.53 (3.91-7.91)	6.12 (4.18-9.07)
24-hr	1.88 (1.66-2.17)	2.44 (2.16-2.82)	3.19 (2.81-3.69)	3.81 (3.33-4.44)	4.67 (3.95-5.62)	5.34 (4.43-6.57)	6.04 (4.89-7.60)	6.76 (5.33-8.75)	7.78 (5.89-10.5)	8.58 (6.29-12.0)
2-day	2.27 (2.01-2.62)	3.01 (2.66-3.48)	4.02 (3.55-4.66)	4.88 (4.26-5.69)	6.08 (5.15-7.33)	7.04 (5.84-8.66)	8.05 (6.53-10.1)	9.13 (7.20-11.8)	10.7 (8.07-14.4)	11.9 (8.70-16.6)
3-day	2.45 (2.17-2.82)	3.29 (2.90-3.79)	4.45 (3.93-5.15)	5.45 (4.77-6.36)	6.89 (5.84-8.30)	8.06 (6.69-9.91)	9.31 (7.55-11.7)	10.7 (8.41-13.8)	12.6 (9.56-17.0)	14.2 (10.4-19.8)
4-day	2.65 (2.34-3.05)	3.58 (3.16-4.13)	4.88 (4.30-5.65)	6.00 (5.25-7.00)	7.62 (6.46-9.19)	8.95 (7.42-11.0)	10.4 (8.40-13.1)	11.9 (9.40-15.4)	14.2 (10.7-19.1)	16.0 (11.7-22.3)
7-day	3.03 (2.68-3.50)	4.13 (3.65-4.76)	5.65 (4.98-6.54)	6.95 (6.08-8.11)	8.82 (7.47-10.6)	10.3 (8.58-12.7)	12.0 (9.69-15.1)	13.7 (10.8-17.7)	16.2 (12.3-21.9)	18.3 (13.4-25.5)
10-day	3.29 (2.92-3.80)	4.50 (3.98-5.19)	6.16 (5.43-7.13)	7.58 (6.63-8.84)	9.61 (8.14-11.6)	11.3 (9.34-13.8)	13.0 (10.5-16.4)	14.9 (11.7-19.2)	17.6 (13.3-23.6)	19.7 (14.5-27.5)
20-day	4.07 (3.60-4.69)	5.61 (4.96-6.47)	7.72 (6.80-8.94)	9.51 (8.32-11.1)	12.0 (10.2-14.5)	14.1 (11.7-17.3)	16.2 (13.2-20.4)	18.5 (14.6-24.0)	21.7 (16.5-29.3)	24.4 (17.8-33.9)
30-day	4.79 (4.24-5.52)	6.62 (5.85-7.64)	9.12 (8.04-10.6)	11.2 (9.82-13.1)	14.2 (12.0-17.1)	16.6 (13.8-20.4)	19.1 (15.5-24.0)	21.7 (17.1-28.1)	25.4 (19.3-34.2)	28.4 (20.8-39.6)
45-day	5.74 (5.08-6.62)	7.92 (7.00-9.14)	10.9 (9.58-12.6)	13.3 (11.7-15.6)	16.8 (14.3-20.3)	19.6 (16.3-24.1)	22.5 (18.2-28.3)	25.5 (20.1-33.0)	29.8 (22.6-40.2)	33.2 (24.3-46.3)
60-day	6.69 (5.92-7.72)	9.18 (8.11-10.6)	12.5 (11.1-14.5)	15.3 (13.4-17.9)	19.3 (16.3-23.2)	22.4 (18.6-27.5)	25.6 (20.8-32.3)	29.0 (22.9-37.6)	33.8 (25.6-45.6)	37.6 (27.6-52.4)

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.

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Subarea 9
(San Jacinto Valley)

NOAA Atlas 14, Volume 6, Version 2
Location name: San Jacinto, California, US*
Latitude: 33.7861°, Longitude: -116.9885°
Elevation: 1523 ft*
 * source: Google Maps

**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 & aeriels](#)

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	0.081 (0.068-0.098)	0.111 (0.093-0.135)	0.157 (0.130-0.190)	0.198 (0.164-0.243)	0.264 (0.210-0.334)	0.321 (0.251-0.416)	0.388 (0.295-0.515)	0.465 (0.343-0.636)	0.586 (0.415-0.838)	0.769 (0.525-1.14)
10-min	0.117 (0.098-0.141)	0.160 (0.133-0.193)	0.224 (0.187-0.272)	0.284 (0.235-0.348)	0.378 (0.301-0.479)	0.461 (0.359-0.597)	0.556 (0.422-0.738)	0.666 (0.492-0.912)	0.840 (0.594-1.20)	1.10 (0.752-1.63)
15-min	0.141 (0.118-0.171)	0.193 (0.161-0.234)	0.271 (0.226-0.329)	0.344 (0.284-0.421)	0.457 (0.364-0.579)	0.557 (0.434-0.721)	0.672 (0.511-0.893)	0.806 (0.595-1.10)	1.02 (0.719-1.45)	1.33 (0.910-1.97)
30-min	0.224 (0.187-0.271)	0.307 (0.256-0.371)	0.431 (0.359-0.523)	0.546 (0.450-0.668)	0.725 (0.578-0.919)	0.884 (0.690-1.15)	1.07 (0.811-1.42)	1.28 (0.945-1.75)	1.61 (1.14-2.31)	2.12 (1.45-3.13)
60-min	0.350 (0.292-0.423)	0.479 (0.400-0.579)	0.672 (0.560-0.816)	0.851 (0.703-1.04)	1.13 (0.902-1.43)	1.38 (1.08-1.79)	1.67 (1.26-2.21)	2.00 (1.47-2.73)	2.52 (1.78-3.60)	3.30 (2.25-4.89)
2-hr	0.527 (0.441-0.637)	0.683 (0.570-0.826)	0.909 (0.756-1.10)	1.11 (0.917-1.36)	1.42 (1.13-1.80)	1.68 (1.31-2.18)	1.98 (1.50-2.63)	2.31 (1.71-3.16)	2.82 (1.99-4.03)	3.34 (2.28-4.94)
3-hr	0.646 (0.540-0.780)	0.821 (0.685-0.993)	1.07 (0.892-1.30)	1.29 (1.07-1.58)	1.63 (1.30-2.06)	1.91 (1.49-2.47)	2.22 (1.69-2.95)	2.56 (1.89-3.51)	3.09 (2.18-4.41)	3.53 (2.41-5.23)
6-hr	0.905 (0.756-1.09)	1.13 (0.945-1.37)	1.45 (1.21-1.76)	1.73 (1.43-2.12)	2.14 (1.71-2.72)	2.48 (1.94-3.22)	2.85 (2.17-3.79)	3.26 (2.41-4.46)	3.86 (2.73-5.52)	4.37 (2.98-6.47)
12-hr	1.18 (0.987-1.43)	1.49 (1.24-1.80)	1.91 (1.59-2.32)	2.28 (1.88-2.79)	2.83 (2.25-3.58)	3.27 (2.55-4.24)	3.76 (2.86-5.00)	4.30 (3.17-5.88)	5.08 (3.59-7.25)	5.73 (3.91-8.48)
24-hr	1.55 (1.38-1.79)	1.99 (1.76-2.30)	2.60 (2.29-3.02)	3.14 (2.74-3.66)	3.92 (3.32-4.72)	4.56 (3.79-5.61)	5.26 (4.26-6.63)	6.03 (4.75-7.80)	7.15 (5.42-9.63)	8.09 (5.93-11.3)
2-day	1.89 (1.67-2.18)	2.48 (2.19-2.86)	3.30 (2.91-3.82)	4.01 (3.50-4.67)	5.03 (4.25-6.06)	5.86 (4.86-7.20)	6.75 (5.47-8.49)	7.71 (6.08-9.98)	9.10 (6.89-12.3)	10.2 (7.51-14.3)
3-day	2.06 (1.82-2.38)	2.75 (2.43-3.18)	3.71 (3.27-4.29)	4.53 (3.96-5.28)	5.70 (4.82-6.86)	6.64 (5.51-8.17)	7.65 (6.20-9.63)	8.73 (6.89-11.3)	10.3 (7.79-13.9)	11.6 (8.47-16.1)
4-day	2.20 (1.95-2.54)	2.98 (2.63-3.44)	4.04 (3.56-4.68)	4.95 (4.33-5.78)	6.25 (5.29-7.53)	7.30 (6.05-8.97)	8.40 (6.81-10.6)	9.59 (7.57-12.4)	11.3 (8.55-15.2)	12.7 (9.28-17.6)
7-day	2.47 (2.18-2.85)	3.42 (3.03-3.96)	4.74 (4.17-5.49)	5.85 (5.12-6.83)	7.43 (6.29-8.96)	8.70 (7.22-10.7)	10.0 (8.14-12.6)	11.5 (9.05-14.8)	13.5 (10.2-18.2)	15.2 (11.1-21.1)
10-day	2.66 (2.35-3.06)	3.74 (3.30-4.32)	5.22 (4.60-6.04)	6.48 (5.66-7.56)	8.26 (7.00-9.96)	9.70 (8.04-11.9)	11.2 (9.08-14.1)	12.8 (10.1-16.6)	15.1 (11.5-20.4)	17.0 (12.4-23.7)
20-day	3.25 (2.88-3.75)	4.64 (4.10-5.35)	6.53 (5.76-7.56)	8.14 (7.12-9.51)	10.4 (8.84-12.6)	12.3 (10.2-15.1)	14.2 (11.5-17.9)	16.3 (12.9-21.1)	19.3 (14.6-26.0)	21.8 (15.9-30.3)
30-day	3.81 (3.38-4.40)	5.43 (4.80-6.27)	7.65 (6.74-8.86)	9.54 (8.34-11.1)	12.3 (10.4-14.8)	14.4 (12.0-17.8)	16.8 (13.6-21.1)	19.3 (15.2-24.9)	22.8 (17.3-30.7)	25.7 (18.8-35.8)
45-day	4.54 (4.02-5.24)	6.40 (5.65-7.39)	8.97 (7.91-10.4)	11.2 (9.77-13.0)	14.3 (12.1-17.3)	16.9 (14.0-20.8)	19.7 (15.9-24.8)	22.6 (17.8-29.3)	26.9 (20.4-36.2)	30.4 (22.3-42.3)
60-day	5.29 (4.68-6.10)	7.37 (6.51-8.51)	10.3 (9.04-11.9)	12.8 (11.2-14.9)	16.3 (13.8-19.7)	19.3 (16.0-23.7)	22.4 (18.2-28.2)	25.8 (20.4-33.4)	30.8 (23.3-41.4)	34.8 (25.5-48.5)

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.

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Subarea 10 (Jack Rabbit)



NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.8861°, Longitude: -117.0615°
Elevation: 1509 ft*
 * source: Google Maps

**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 & aerals](#)

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	0.096 (0.080-0.116)	0.128 (0.107-0.155)	0.174 (0.145-0.211)	0.214 (0.176-0.262)	0.274 (0.218-0.347)	0.324 (0.253-0.421)	0.380 (0.289-0.506)	0.444 (0.327-0.607)	0.540 (0.381-0.771)	0.624 (0.425-0.924)
10-min	0.138 (0.115-0.167)	0.184 (0.153-0.223)	0.249 (0.207-0.303)	0.307 (0.253-0.376)	0.392 (0.312-0.498)	0.465 (0.362-0.603)	0.545 (0.414-0.725)	0.636 (0.469-0.871)	0.774 (0.547-1.11)	0.894 (0.610-1.32)
15-min	0.167 (0.139-0.202)	0.222 (0.185-0.270)	0.302 (0.251-0.366)	0.371 (0.306-0.455)	0.474 (0.378-0.602)	0.562 (0.438-0.729)	0.659 (0.501-0.877)	0.769 (0.567-1.05)	0.936 (0.661-1.34)	1.08 (0.737-1.60)
30-min	0.256 (0.214-0.310)	0.341 (0.285-0.414)	0.463 (0.385-0.563)	0.570 (0.469-0.698)	0.728 (0.580-0.924)	0.863 (0.672-1.12)	1.01 (0.769-1.35)	1.18 (0.871-1.62)	1.44 (1.01-2.05)	1.66 (1.13-2.46)
60-min	0.376 (0.314-0.455)	0.502 (0.418-0.608)	0.680 (0.565-0.827)	0.837 (0.690-1.03)	1.07 (0.852-1.36)	1.27 (0.988-1.65)	1.49 (1.13-1.98)	1.74 (1.28-2.38)	2.11 (1.49-3.02)	2.44 (1.66-3.61)
2-hr	0.557 (0.464-0.674)	0.717 (0.597-0.868)	0.939 (0.780-1.14)	1.13 (0.931-1.39)	1.41 (1.12-1.79)	1.64 (1.27-2.12)	1.88 (1.43-2.50)	2.15 (1.59-2.95)	2.55 (1.80-3.65)	2.88 (1.97-4.27)
3-hr	0.689 (0.575-0.834)	0.877 (0.731-1.06)	1.13 (0.943-1.38)	1.35 (1.12-1.66)	1.67 (1.33-2.12)	1.92 (1.50-2.50)	2.20 (1.67-2.92)	2.49 (1.84-3.41)	2.92 (2.06-4.17)	3.27 (2.23-4.84)
6-hr	0.978 (0.816-1.18)	1.23 (1.03-1.50)	1.58 (1.31-1.92)	1.87 (1.54-2.29)	2.28 (1.82-2.89)	2.61 (2.03-3.38)	2.95 (2.24-3.92)	3.31 (2.44-4.53)	3.82 (2.70-5.46)	4.23 (2.89-6.27)
12-hr	1.28 (1.07-1.55)	1.64 (1.37-1.99)	2.12 (1.76-2.58)	2.51 (2.07-3.08)	3.06 (2.44-3.88)	3.49 (2.72-4.52)	3.93 (2.98-5.22)	4.39 (3.24-6.01)	5.02 (3.55-7.18)	5.53 (3.77-8.19)
24-hr	1.67 (1.48-1.93)	2.19 (1.94-2.53)	2.88 (2.54-3.33)	3.45 (3.01-4.02)	4.22 (3.57-5.09)	4.82 (4.00-5.93)	5.44 (4.41-6.85)	6.08 (4.79-7.87)	6.96 (5.27-9.37)	7.64 (5.60-10.6)
2-day	1.98 (1.75-2.29)	2.65 (2.34-3.06)	3.55 (3.13-4.11)	4.29 (3.75-5.01)	5.33 (4.51-6.42)	6.14 (5.10-7.55)	6.99 (5.66-8.80)	7.87 (6.21-10.2)	9.10 (6.89-12.3)	10.1 (7.38-14.0)
3-day	2.11 (1.87-2.43)	2.85 (2.52-3.30)	3.87 (3.41-4.48)	4.72 (4.13-5.51)	5.92 (5.02-7.14)	6.88 (5.71-8.46)	7.88 (6.39-9.93)	8.95 (7.06-11.6)	10.4 (7.91-14.1)	11.7 (8.54-16.2)
4-day	2.27 (2.01-2.62)	3.10 (2.74-3.58)	4.23 (3.73-4.90)	5.18 (4.54-6.05)	6.53 (5.53-7.87)	7.61 (6.32-9.36)	8.75 (7.09-11.0)	9.96 (7.86-12.9)	11.7 (8.84-15.7)	13.1 (9.57-18.2)
7-day	2.58 (2.28-2.97)	3.55 (3.14-4.10)	4.89 (4.31-5.66)	6.01 (5.26-7.02)	7.61 (6.44-9.16)	8.87 (7.36-10.9)	10.2 (8.27-12.9)	11.6 (9.16-15.0)	13.6 (10.3-18.3)	15.2 (11.1-21.2)
10-day	2.75 (2.44-3.17)	3.82 (3.38-4.41)	5.28 (4.66-6.11)	6.51 (5.70-7.60)	8.25 (6.99-9.94)	9.64 (8.00-11.9)	11.1 (8.99-14.0)	12.6 (9.96-16.4)	14.8 (11.2-20.0)	16.6 (12.1-23.1)
20-day	3.34 (2.96-3.85)	4.69 (4.14-5.41)	6.54 (5.76-7.56)	8.10 (7.08-9.45)	10.3 (8.73-12.4)	12.1 (10.0-14.9)	13.9 (11.3-17.6)	15.9 (12.6-20.6)	18.7 (14.2-25.2)	20.9 (15.3-29.1)
30-day	3.94 (3.49-4.55)	5.53 (4.89-6.38)	7.71 (6.80-8.92)	9.56 (8.36-11.2)	12.2 (10.3-14.7)	14.3 (11.9-17.6)	16.5 (13.4-20.8)	18.9 (14.9-24.4)	22.2 (16.8-29.9)	24.9 (18.2-34.7)
45-day	4.67 (4.13-5.39)	6.51 (5.75-7.51)	9.05 (7.97-10.5)	11.2 (9.80-13.1)	14.3 (12.1-17.2)	16.8 (13.9-20.6)	19.4 (15.7-24.5)	22.2 (17.5-28.8)	26.2 (19.9-35.3)	29.4 (21.6-41.0)
60-day	5.43 (4.80-6.26)	7.49 (6.62-8.64)	10.3 (9.11-12.0)	12.8 (11.2-14.9)	16.3 (13.8-19.6)	19.1 (15.8-23.5)	22.1 (17.9-27.8)	25.3 (20.0-32.7)	29.9 (22.6-40.3)	33.6 (24.6-46.9)

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.

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Subarea 11 (Badlands)



NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.9188°, Longitude: -117.1079°
Elevation: 1605 ft*
 * source: Google Maps

**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

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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	0.097 (0.081-0.117)	0.131 (0.109-0.158)	0.176 (0.146-0.214)	0.213 (0.176-0.262)	0.265 (0.211-0.337)	0.306 (0.238-0.397)	0.349 (0.265-0.464)	0.394 (0.290-0.539)	0.457 (0.323-0.654)	0.508 (0.347-0.753)
10-min	0.139 (0.116-0.168)	0.187 (0.156-0.227)	0.252 (0.210-0.307)	0.306 (0.252-0.375)	0.380 (0.303-0.483)	0.439 (0.342-0.569)	0.500 (0.379-0.665)	0.564 (0.416-0.773)	0.655 (0.463-0.937)	0.729 (0.497-1.08)
15-min	0.168 (0.140-0.203)	0.227 (0.189-0.275)	0.305 (0.253-0.371)	0.370 (0.305-0.454)	0.460 (0.366-0.584)	0.531 (0.413-0.688)	0.604 (0.459-0.804)	0.683 (0.503-0.935)	0.792 (0.560-1.13)	0.881 (0.601-1.31)
30-min	0.254 (0.212-0.308)	0.343 (0.286-0.416)	0.462 (0.384-0.562)	0.561 (0.462-0.688)	0.697 (0.555-0.885)	0.805 (0.627-1.04)	0.916 (0.696-1.22)	1.03 (0.763-1.42)	1.20 (0.849-1.72)	1.34 (0.911-1.98)
60-min	0.375 (0.313-0.454)	0.507 (0.423-0.615)	0.683 (0.567-0.830)	0.828 (0.682-1.02)	1.03 (0.820-1.31)	1.19 (0.925-1.54)	1.35 (1.03-1.80)	1.53 (1.13-2.09)	1.77 (1.25-2.54)	1.97 (1.35-2.92)
2-hr	0.562 (0.469-0.680)	0.735 (0.612-0.891)	0.964 (0.801-1.17)	1.15 (0.950-1.41)	1.41 (1.13-1.79)	1.62 (1.26-2.10)	1.83 (1.39-2.43)	2.05 (1.51-2.80)	2.35 (1.66-3.36)	2.59 (1.77-3.84)
3-hr	0.704 (0.587-0.852)	0.909 (0.757-1.10)	1.18 (0.980-1.44)	1.40 (1.16-1.72)	1.71 (1.36-2.17)	1.95 (1.52-2.53)	2.19 (1.67-2.92)	2.45 (1.81-3.35)	2.80 (1.98-4.00)	3.08 (2.10-4.56)
6-hr	1.01 (0.839-1.22)	1.28 (1.07-1.56)	1.65 (1.37-2.01)	1.95 (1.61-2.40)	2.37 (1.88-3.00)	2.68 (2.09-3.48)	3.01 (2.29-4.00)	3.35 (2.47-4.58)	3.81 (2.69-5.45)	4.17 (2.85-6.18)
12-hr	1.32 (1.10-1.60)	1.70 (1.41-2.06)	2.18 (1.81-2.66)	2.58 (2.13-3.17)	3.13 (2.49-3.97)	3.54 (2.76-4.60)	3.97 (3.01-5.28)	4.41 (3.25-6.04)	5.00 (3.53-7.15)	5.46 (3.73-8.10)
24-hr	1.73 (1.53-1.99)	2.25 (1.99-2.59)	2.92 (2.58-3.38)	3.48 (3.04-4.05)	4.22 (3.58-5.09)	4.80 (3.98-5.90)	5.38 (4.36-6.78)	5.99 (4.72-7.75)	6.80 (5.15-9.16)	7.43 (5.44-10.4)
2-day	2.03 (1.79-2.34)	2.68 (2.37-3.09)	3.54 (3.12-4.09)	4.24 (3.71-4.95)	5.20 (4.40-6.27)	5.95 (4.93-7.31)	6.71 (5.43-8.45)	7.50 (5.91-9.70)	8.57 (6.49-11.6)	9.42 (6.89-13.1)
3-day	2.14 (1.89-2.47)	2.86 (2.53-3.30)	3.81 (3.36-4.42)	4.61 (4.03-5.37)	5.69 (4.82-6.86)	6.54 (5.43-8.05)	7.42 (6.01-9.34)	8.33 (6.57-10.8)	9.59 (7.26-12.9)	10.6 (7.75-14.8)
4-day	2.31 (2.05-2.67)	3.12 (2.76-3.60)	4.19 (3.70-4.85)	5.08 (4.45-5.93)	6.32 (5.35-7.61)	7.28 (6.04-8.96)	8.28 (6.71-10.4)	9.33 (7.35-12.1)	10.8 (8.16-14.5)	11.9 (8.73-16.6)
7-day	2.64 (2.33-3.04)	3.61 (3.19-4.17)	4.92 (4.33-5.69)	6.00 (5.25-7.00)	7.51 (6.36-9.05)	8.69 (7.21-10.7)	9.92 (8.04-12.5)	11.2 (8.84-14.5)	13.0 (9.84-17.5)	14.4 (10.6-20.1)
10-day	2.81 (2.49-3.25)	3.89 (3.44-4.49)	5.33 (4.70-6.17)	6.53 (5.71-7.62)	8.21 (6.95-9.89)	9.53 (7.91-11.7)	10.9 (8.83-13.7)	12.3 (9.73-16.0)	14.3 (10.9-19.3)	15.9 (11.7-22.2)
20-day	3.47 (3.07-4.00)	4.84 (4.28-5.59)	6.71 (5.91-7.76)	8.27 (7.23-9.65)	10.5 (8.86-12.6)	12.2 (10.1-15.0)	14.0 (11.4-17.6)	15.9 (12.6-20.6)	18.6 (14.1-25.1)	20.8 (15.2-28.9)
30-day	4.17 (3.69-4.81)	5.81 (5.13-6.71)	8.04 (7.08-9.30)	9.91 (8.67-11.6)	12.6 (10.6-15.1)	14.7 (12.2-18.0)	16.9 (13.7-21.3)	19.2 (15.2-24.9)	22.5 (17.1-30.4)	25.2 (18.4-35.1)
45-day	4.96 (4.39-5.72)	6.84 (6.04-7.89)	9.40 (8.29-10.9)	11.6 (10.1-13.5)	14.6 (12.4-17.6)	17.1 (14.2-21.0)	19.7 (16.0-24.8)	22.5 (17.7-29.1)	26.4 (20.0-35.6)	29.6 (21.7-41.2)
60-day	5.84 (5.17-6.74)	7.93 (7.01-9.15)	10.8 (9.51-12.5)	13.2 (11.6-15.4)	16.7 (14.1-20.1)	19.5 (16.2-23.9)	22.4 (18.2-28.2)	25.6 (20.2-33.1)	30.1 (22.8-40.5)	33.7 (24.7-47.0)

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.

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Subarea 12 (Lakeview)



NOAA Atlas 14, Volume 6, Version 2
Location name: Nuevo, California, US*
Latitude: 33.8451°, Longitude: -117.1092°
Elevation: 1423 ft*
 * source: Google Maps

**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

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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	0.091 (0.076-0.110)	0.125 (0.104-0.151)	0.173 (0.144-0.209)	0.213 (0.176-0.261)	0.272 (0.216-0.344)	0.320 (0.249-0.414)	0.371 (0.282-0.494)	0.428 (0.316-0.586)	0.511 (0.361-0.730)	0.581 (0.396-0.860)
10-min	0.130 (0.109-0.157)	0.179 (0.150-0.217)	0.247 (0.206-0.300)	0.306 (0.252-0.374)	0.389 (0.310-0.494)	0.458 (0.357-0.594)	0.532 (0.404-0.707)	0.613 (0.453-0.839)	0.732 (0.517-1.05)	0.832 (0.568-1.23)
15-min	0.157 (0.131-0.190)	0.217 (0.181-0.263)	0.299 (0.249-0.363)	0.369 (0.305-0.452)	0.471 (0.375-0.597)	0.554 (0.432-0.718)	0.644 (0.489-0.856)	0.742 (0.547-1.01)	0.885 (0.626-1.26)	1.01 (0.687-1.49)
30-min	0.248 (0.207-0.300)	0.342 (0.285-0.414)	0.472 (0.392-0.573)	0.583 (0.481-0.714)	0.743 (0.592-0.942)	0.874 (0.681-1.13)	1.01 (0.771-1.35)	1.17 (0.863-1.60)	1.40 (0.987-2.00)	1.59 (1.08-2.35)
60-min	0.357 (0.298-0.431)	0.492 (0.410-0.596)	0.678 (0.564-0.824)	0.838 (0.691-1.03)	1.07 (0.851-1.35)	1.26 (0.980-1.63)	1.46 (1.11-1.94)	1.68 (1.24-2.30)	2.01 (1.42-2.87)	2.28 (1.56-3.38)
2-hr	0.534 (0.446-0.646)	0.705 (0.588-0.854)	0.936 (0.779-1.14)	1.13 (0.932-1.38)	1.40 (1.12-1.78)	1.62 (1.26-2.10)	1.85 (1.41-2.46)	2.10 (1.55-2.88)	2.46 (1.74-3.51)	2.74 (1.87-4.06)
3-hr	0.664 (0.554-0.802)	0.863 (0.720-1.04)	1.13 (0.940-1.37)	1.35 (1.12-1.66)	1.66 (1.33-2.11)	1.91 (1.49-2.48)	2.17 (1.65-2.88)	2.44 (1.80-3.34)	2.83 (2.00-4.04)	3.14 (2.14-4.65)
6-hr	0.941 (0.786-1.14)	1.21 (1.01-1.47)	1.57 (1.30-1.90)	1.86 (1.54-2.28)	2.27 (1.81-2.88)	2.59 (2.02-3.35)	2.92 (2.21-3.88)	3.26 (2.40-4.46)	3.73 (2.64-5.34)	4.11 (2.80-6.09)
12-hr	1.23 (1.02-1.48)	1.60 (1.33-1.93)	2.08 (1.73-2.53)	2.48 (2.05-3.04)	3.03 (2.41-3.84)	3.46 (2.69-4.48)	3.89 (2.96-5.17)	4.34 (3.20-5.94)	4.96 (3.50-7.08)	5.44 (3.71-8.05)
24-hr	1.58 (1.40-1.82)	2.11 (1.86-2.44)	2.80 (2.47-3.25)	3.37 (2.95-3.93)	4.14 (3.51-5.00)	4.74 (3.94-5.83)	5.36 (4.34-6.75)	5.99 (4.72-7.75)	6.86 (5.20-9.24)	7.54 (5.52-10.5)
2-day	1.86 (1.65-2.15)	2.52 (2.23-2.92)	3.41 (3.00-3.94)	4.13 (3.62-4.82)	5.13 (4.35-6.19)	5.92 (4.91-7.28)	6.72 (5.44-8.46)	7.56 (5.96-9.78)	8.71 (6.60-11.7)	9.62 (7.05-13.4)
3-day	1.98 (1.75-2.28)	2.71 (2.40-3.13)	3.69 (3.26-4.28)	4.51 (3.95-5.27)	5.65 (4.78-6.80)	6.54 (5.42-8.04)	7.46 (6.04-9.39)	8.43 (6.65-10.9)	9.78 (7.41-13.2)	10.9 (7.95-15.1)
4-day	2.12 (1.88-2.45)	2.94 (2.60-3.40)	4.04 (3.56-4.67)	4.95 (4.33-5.77)	6.22 (5.27-7.50)	7.22 (5.99-8.88)	8.26 (6.70-10.4)	9.36 (7.38-12.1)	10.9 (8.25-14.7)	12.1 (8.88-16.9)
7-day	2.37 (2.09-2.73)	3.32 (2.94-3.84)	4.61 (4.07-5.34)	5.69 (4.98-6.64)	7.20 (6.10-8.68)	8.40 (6.97-10.3)	9.64 (7.81-12.1)	11.0 (8.64-14.2)	12.8 (9.70-17.2)	14.3 (10.5-19.9)
10-day	2.49 (2.20-2.87)	3.53 (3.12-4.07)	4.93 (4.34-5.71)	6.11 (5.34-7.13)	7.76 (6.57-9.35)	9.07 (7.53-11.2)	10.4 (8.46-13.2)	11.9 (9.38-15.4)	13.9 (10.6-18.8)	15.6 (11.4-21.7)
20-day	2.96 (2.62-3.42)	4.24 (3.74-4.89)	5.98 (5.27-6.93)	7.46 (6.53-8.71)	9.57 (8.10-11.5)	11.3 (9.34-13.8)	13.0 (10.6-16.4)	15.0 (11.8-19.3)	17.7 (13.4-23.8)	19.9 (14.5-27.7)
30-day	3.46 (3.06-3.99)	4.93 (4.36-5.70)	6.96 (6.14-8.06)	8.70 (7.61-10.2)	11.2 (9.48-13.5)	13.2 (11.0-16.3)	15.4 (12.5-19.4)	17.7 (14.0-22.9)	21.0 (15.9-28.3)	23.8 (17.4-33.1)
45-day	4.09 (3.62-4.72)	5.76 (5.09-6.65)	8.08 (7.13-9.36)	10.1 (8.83-11.8)	13.0 (11.0-15.7)	15.4 (12.8-18.9)	18.0 (14.6-22.6)	20.8 (16.4-26.9)	24.9 (18.8-33.5)	28.3 (20.7-39.4)
60-day	4.73 (4.19-5.46)	6.55 (5.79-7.57)	9.12 (8.04-10.6)	11.3 (9.92-13.2)	14.6 (12.4-17.6)	17.3 (14.4-21.3)	20.3 (16.4-25.5)	23.5 (18.5-30.4)	28.3 (21.4-38.1)	32.3 (23.7-45.0)

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.

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Subarea 13 (Nuevo)



NOAA Atlas 14, Volume 6, Version 2
Location name: Nuevo, California, US*
Latitude: 33.8017°, Longitude: -117.1277°
Elevation: 1628 ft*
 * source: Google Maps

**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

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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	0.090 (0.075-0.109)	0.127 (0.106-0.153)	0.178 (0.148-0.215)	0.221 (0.182-0.270)	0.284 (0.226-0.359)	0.335 (0.261-0.433)	0.389 (0.296-0.517)	0.449 (0.331-0.614)	0.535 (0.379-0.765)	0.608 (0.415-0.900)
10-min	0.129 (0.108-0.156)	0.182 (0.152-0.220)	0.255 (0.212-0.309)	0.317 (0.261-0.388)	0.406 (0.324-0.515)	0.480 (0.374-0.621)	0.558 (0.424-0.741)	0.643 (0.475-0.880)	0.767 (0.543-1.10)	0.871 (0.594-1.29)
15-min	0.156 (0.131-0.189)	0.220 (0.184-0.266)	0.308 (0.256-0.373)	0.383 (0.316-0.469)	0.491 (0.392-0.623)	0.580 (0.452-0.751)	0.675 (0.513-0.897)	0.778 (0.575-1.06)	0.928 (0.656-1.33)	1.05 (0.719-1.56)
30-min	0.247 (0.206-0.298)	0.348 (0.290-0.420)	0.487 (0.405-0.590)	0.606 (0.500-0.741)	0.777 (0.619-0.984)	0.917 (0.715-1.19)	1.07 (0.811-1.42)	1.23 (0.908-1.68)	1.47 (1.04-2.10)	1.67 (1.14-2.47)
60-min	0.357 (0.298-0.431)	0.502 (0.420-0.608)	0.703 (0.586-0.853)	0.875 (0.723-1.07)	1.12 (0.895-1.42)	1.32 (1.03-1.72)	1.54 (1.17-2.05)	1.78 (1.31-2.43)	2.12 (1.50-3.03)	2.41 (1.64-3.56)
2-hr	0.536 (0.448-0.647)	0.718 (0.600-0.869)	0.964 (0.803-1.17)	1.17 (0.966-1.43)	1.46 (1.16-1.85)	1.69 (1.32-2.19)	1.93 (1.47-2.57)	2.19 (1.62-2.99)	2.55 (1.80-3.65)	2.85 (1.94-4.22)
3-hr	0.664 (0.555-0.803)	0.876 (0.731-1.06)	1.16 (0.964-1.41)	1.39 (1.15-1.70)	1.72 (1.37-2.18)	1.97 (1.54-2.56)	2.24 (1.70-2.98)	2.52 (1.86-3.45)	2.92 (2.06-4.17)	3.23 (2.21-4.79)
6-hr	0.947 (0.792-1.14)	1.23 (1.03-1.49)	1.61 (1.34-1.95)	1.92 (1.58-2.34)	2.34 (1.86-2.96)	2.67 (2.08-3.46)	3.01 (2.29-4.00)	3.36 (2.48-4.60)	3.85 (2.72-5.50)	4.24 (2.89-6.28)
12-hr	1.25 (1.04-1.51)	1.63 (1.36-1.98)	2.14 (1.78-2.60)	2.56 (2.11-3.13)	3.12 (2.49-3.96)	3.56 (2.78-4.62)	4.02 (3.05-5.34)	4.49 (3.31-6.14)	5.14 (3.63-7.34)	5.65 (3.85-8.37)
24-hr	1.63 (1.44-1.88)	2.17 (1.91-2.50)	2.88 (2.54-3.33)	3.46 (3.03-4.04)	4.27 (3.62-5.15)	4.90 (4.07-6.03)	5.55 (4.50-6.99)	6.23 (4.91-8.06)	7.16 (5.42-9.65)	7.90 (5.79-11.0)
2-day	1.93 (1.71-2.22)	2.61 (2.30-3.01)	3.51 (3.10-4.07)	4.27 (3.73-4.98)	5.32 (4.50-6.41)	6.14 (5.09-7.55)	7.00 (5.67-8.81)	7.90 (6.23-10.2)	9.15 (6.93-12.3)	10.2 (7.44-14.1)
3-day	2.05 (1.81-2.37)	2.81 (2.48-3.24)	3.82 (3.37-4.42)	4.67 (4.08-5.45)	5.86 (4.96-7.06)	6.80 (5.64-8.36)	7.78 (6.31-9.80)	8.83 (6.96-11.4)	10.3 (7.79-13.9)	11.5 (8.40-16.0)
4-day	2.20 (1.95-2.54)	3.04 (2.68-3.51)	4.17 (3.67-4.82)	5.11 (4.47-5.97)	6.45 (5.46-7.77)	7.51 (6.23-9.23)	8.62 (6.98-10.9)	9.80 (7.73-12.7)	11.5 (8.68-15.4)	12.8 (9.38-17.8)
7-day	2.45 (2.17-2.83)	3.44 (3.04-3.97)	4.78 (4.21-5.53)	5.90 (5.16-6.89)	7.50 (6.35-9.04)	8.77 (7.28-10.8)	10.1 (8.20-12.7)	11.6 (9.11-15.0)	13.6 (10.3-18.3)	15.2 (11.2-21.2)
10-day	2.59 (2.29-2.99)	3.67 (3.24-4.23)	5.12 (4.52-5.93)	6.36 (5.56-7.42)	8.12 (6.87-9.78)	9.53 (7.91-11.7)	11.0 (8.93-13.9)	12.6 (9.96-16.3)	14.9 (11.3-20.1)	16.8 (12.3-23.4)
20-day	3.09 (2.73-3.56)	4.41 (3.90-5.10)	6.23 (5.49-7.22)	7.79 (6.81-9.10)	10.0 (8.49-12.1)	11.9 (9.84-14.6)	13.8 (11.2-17.4)	15.9 (12.6-20.6)	19.0 (14.4-25.6)	21.5 (15.8-30.0)
30-day	3.61 (3.19-4.17)	5.14 (4.55-5.94)	7.27 (6.41-8.42)	9.11 (7.96-10.6)	11.8 (9.96-14.2)	14.0 (11.6-17.2)	16.3 (13.2-20.6)	18.9 (14.9-24.5)	22.7 (17.2-30.6)	25.9 (19.0-36.1)
45-day	4.28 (3.78-4.93)	6.01 (5.31-6.94)	8.44 (7.44-9.78)	10.6 (9.23-12.3)	13.7 (11.6-16.5)	16.3 (13.5-20.0)	19.1 (15.5-24.0)	22.3 (17.5-28.8)	26.9 (20.4-36.3)	30.9 (22.6-43.1)
60-day	4.96 (4.39-5.72)	6.85 (6.05-7.91)	9.53 (8.40-11.0)	11.9 (10.4-13.9)	15.4 (13.0-18.5)	18.3 (15.2-22.5)	21.6 (17.5-27.2)	25.2 (19.9-32.6)	30.7 (23.3-41.4)	35.5 (26.0-49.4)

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.

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Subarea 14 (Pigeon Pass)



NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.9755°, Longitude: -117.2597°
Elevation: 1789 ft*
 * source: Google Maps

**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

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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	0.095 (0.080-0.116)	0.127 (0.106-0.154)	0.169 (0.140-0.205)	0.203 (0.168-0.250)	0.251 (0.200-0.319)	0.288 (0.225-0.374)	0.327 (0.248-0.435)	0.367 (0.271-0.503)	0.423 (0.298-0.604)	0.467 (0.318-0.691)
10-min	0.137 (0.114-0.166)	0.182 (0.152-0.221)	0.242 (0.201-0.294)	0.292 (0.240-0.358)	0.360 (0.286-0.457)	0.413 (0.322-0.536)	0.468 (0.356-0.624)	0.526 (0.388-0.721)	0.606 (0.428-0.866)	0.669 (0.456-0.991)
15-min	0.165 (0.138-0.200)	0.220 (0.183-0.267)	0.293 (0.243-0.356)	0.353 (0.290-0.433)	0.435 (0.346-0.553)	0.500 (0.389-0.649)	0.567 (0.430-0.754)	0.636 (0.469-0.872)	0.732 (0.517-1.05)	0.809 (0.551-1.20)
30-min	0.254 (0.212-0.307)	0.338 (0.281-0.410)	0.449 (0.373-0.546)	0.541 (0.446-0.664)	0.668 (0.532-0.848)	0.767 (0.597-0.996)	0.870 (0.660-1.16)	0.977 (0.720-1.34)	1.12 (0.794-1.61)	1.24 (0.846-1.84)
60-min	0.373 (0.311-0.452)	0.497 (0.414-0.602)	0.661 (0.549-0.803)	0.796 (0.656-0.976)	0.983 (0.782-1.25)	1.13 (0.879-1.46)	1.28 (0.971-1.70)	1.44 (1.06-1.97)	1.65 (1.17-2.37)	1.83 (1.24-2.71)
2-hr	0.538 (0.449-0.652)	0.698 (0.581-0.846)	0.909 (0.755-1.10)	1.08 (0.891-1.33)	1.32 (1.05-1.68)	1.50 (1.17-1.95)	1.69 (1.29-2.25)	1.89 (1.39-2.59)	2.16 (1.53-3.09)	2.38 (1.62-3.52)
3-hr	0.662 (0.552-0.802)	0.850 (0.708-1.03)	1.10 (0.912-1.34)	1.30 (1.07-1.60)	1.58 (1.26-2.01)	1.80 (1.40-2.33)	2.02 (1.53-2.68)	2.25 (1.66-3.08)	2.56 (1.81-3.66)	2.81 (1.91-4.16)
6-hr	0.913 (0.762-1.11)	1.16 (0.969-1.41)	1.49 (1.24-1.81)	1.76 (1.45-2.16)	2.13 (1.69-2.70)	2.41 (1.88-3.13)	2.70 (2.05-3.59)	3.00 (2.21-4.11)	3.40 (2.40-4.87)	3.72 (2.54-5.51)
12-hr	1.21 (1.01-1.47)	1.54 (1.29-1.87)	1.98 (1.65-2.41)	2.34 (1.93-2.87)	2.82 (2.25-3.58)	3.20 (2.49-4.15)	3.58 (2.71-4.76)	3.97 (2.93-5.44)	4.51 (3.18-6.45)	4.92 (3.36-7.30)
24-hr	1.60 (1.42-1.85)	2.06 (1.82-2.38)	2.67 (2.35-3.09)	3.16 (2.76-3.69)	3.83 (3.24-4.61)	4.34 (3.60-5.34)	4.87 (3.95-6.13)	5.41 (4.27-7.01)	6.15 (4.66-8.29)	6.72 (4.92-9.37)
2-day	1.92 (1.70-2.22)	2.52 (2.22-2.90)	3.30 (2.91-3.81)	3.93 (3.44-4.59)	4.80 (4.07-5.79)	5.48 (4.54-6.74)	6.16 (4.99-7.76)	6.87 (5.42-8.90)	7.84 (5.93-10.6)	8.59 (6.29-12.0)
3-day	2.06 (1.82-2.37)	2.73 (2.42-3.15)	3.62 (3.19-4.19)	4.35 (3.80-5.07)	5.34 (4.53-6.44)	6.12 (5.08-7.52)	6.91 (5.59-8.70)	7.72 (6.09-10.0)	8.84 (6.69-11.9)	9.71 (7.11-13.5)
4-day	2.23 (1.97-2.57)	2.99 (2.64-3.45)	3.99 (3.52-4.62)	4.82 (4.21-5.62)	5.95 (5.04-7.17)	6.83 (5.66-8.40)	7.72 (6.26-9.73)	8.66 (6.82-11.2)	9.93 (7.52-13.4)	10.9 (8.00-15.2)
7-day	2.56 (2.27-2.95)	3.50 (3.09-4.04)	4.74 (4.17-5.48)	5.75 (5.03-6.71)	7.16 (6.06-8.62)	8.25 (6.84-10.1)	9.37 (7.59-11.8)	10.5 (8.30-13.6)	12.1 (9.18-16.3)	13.4 (9.79-18.7)
10-day	2.77 (2.45-3.19)	3.82 (3.38-4.41)	5.22 (4.60-6.04)	6.37 (5.57-7.43)	7.96 (6.74-9.59)	9.19 (7.63-11.3)	10.5 (8.48-13.2)	11.8 (9.29-15.3)	13.6 (10.3-18.3)	15.0 (11.0-21.0)
20-day	3.35 (2.96-3.86)	4.69 (4.15-5.42)	6.49 (5.72-7.51)	7.97 (6.97-9.30)	10.0 (8.49-12.1)	11.6 (9.65-14.3)	13.3 (10.8-16.7)	15.0 (11.8-19.4)	17.4 (13.2-23.5)	19.3 (14.1-26.9)
30-day	4.00 (3.54-4.61)	5.61 (4.96-6.48)	7.77 (6.85-8.99)	9.56 (8.36-11.1)	12.0 (10.2-14.5)	14.0 (11.6-17.2)	16.0 (13.0-20.2)	18.1 (14.3-23.5)	21.1 (16.0-28.4)	23.4 (17.1-32.6)
45-day	4.80 (4.25-5.54)	6.68 (5.91-7.71)	9.21 (8.12-10.7)	11.3 (9.89-13.2)	14.2 (12.1-17.2)	16.5 (13.7-20.4)	18.9 (15.4-23.9)	21.5 (16.9-27.8)	25.0 (18.9-33.7)	27.8 (20.4-38.8)
60-day	5.64 (5.00-6.51)	7.76 (6.86-8.95)	10.6 (9.34-12.3)	13.0 (11.3-15.1)	16.3 (13.8-19.6)	18.9 (15.7-23.3)	21.6 (17.5-27.3)	24.5 (19.3-31.8)	28.6 (21.6-38.5)	31.8 (23.3-44.4)

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.

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Subarea IA
(Indian Festival)

NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.9573°, Longitude: -117.2395°
Elevation: 1748 ft*
 * source: Google Maps

**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

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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	0.096 (0.080-0.116)	0.127 (0.106-0.154)	0.169 (0.140-0.205)	0.203 (0.167-0.249)	0.251 (0.199-0.318)	0.288 (0.224-0.373)	0.326 (0.247-0.434)	0.366 (0.270-0.501)	0.421 (0.297-0.602)	0.465 (0.317-0.689)
10-min	0.137 (0.115-0.166)	0.182 (0.152-0.221)	0.242 (0.201-0.294)	0.291 (0.240-0.357)	0.359 (0.286-0.456)	0.412 (0.321-0.535)	0.467 (0.355-0.621)	0.524 (0.387-0.718)	0.603 (0.426-0.863)	0.666 (0.454-0.987)
15-min	0.166 (0.139-0.201)	0.220 (0.184-0.267)	0.293 (0.243-0.356)	0.352 (0.290-0.432)	0.434 (0.346-0.552)	0.499 (0.388-0.647)	0.565 (0.429-0.752)	0.634 (0.468-0.869)	0.730 (0.515-1.04)	0.806 (0.549-1.19)
30-min	0.255 (0.213-0.309)	0.338 (0.282-0.410)	0.449 (0.373-0.546)	0.540 (0.445-0.663)	0.666 (0.530-0.846)	0.765 (0.596-0.992)	0.866 (0.658-1.15)	0.973 (0.717-1.33)	1.12 (0.791-1.60)	1.24 (0.842-1.83)
60-min	0.372 (0.310-0.450)	0.493 (0.411-0.598)	0.654 (0.544-0.796)	0.788 (0.649-0.966)	0.972 (0.773-1.23)	1.11 (0.868-1.45)	1.26 (0.959-1.68)	1.42 (1.05-1.94)	1.63 (1.15-2.33)	1.80 (1.23-2.67)
2-hr	0.537 (0.448-0.650)	0.697 (0.580-0.845)	0.907 (0.754-1.10)	1.08 (0.890-1.32)	1.32 (1.05-1.67)	1.50 (1.17-1.95)	1.69 (1.28-2.25)	1.89 (1.39-2.59)	2.16 (1.52-3.09)	2.37 (1.62-3.51)
3-hr	0.661 (0.552-0.801)	0.850 (0.708-1.03)	1.10 (0.914-1.34)	1.30 (1.07-1.60)	1.58 (1.26-2.01)	1.80 (1.40-2.33)	2.02 (1.53-2.69)	2.25 (1.66-3.08)	2.57 (1.81-3.67)	2.81 (1.92-4.17)
6-hr	0.917 (0.765-1.11)	1.17 (0.976-1.42)	1.50 (1.25-1.83)	1.78 (1.46-2.18)	2.15 (1.71-2.73)	2.44 (1.90-3.16)	2.73 (2.07-3.63)	3.03 (2.24-4.15)	3.44 (2.43-4.93)	3.77 (2.57-5.58)
12-hr	1.21 (1.01-1.47)	1.55 (1.29-1.88)	2.00 (1.66-2.43)	2.36 (1.94-2.89)	2.85 (2.27-3.62)	3.23 (2.51-4.19)	3.61 (2.74-4.81)	4.01 (2.96-5.49)	4.55 (3.21-6.51)	4.97 (3.39-7.37)
24-hr	1.60 (1.42-1.85)	2.07 (1.83-2.39)	2.68 (2.36-3.10)	3.18 (2.78-3.71)	3.86 (3.27-4.65)	4.38 (3.63-5.38)	4.90 (3.97-6.18)	5.45 (4.29-7.05)	6.18 (4.68-8.33)	6.75 (4.94-9.42)
2-day	1.92 (1.70-2.21)	2.52 (2.22-2.90)	3.30 (2.91-3.82)	3.95 (3.45-4.61)	4.83 (4.08-5.81)	5.50 (4.56-6.76)	6.19 (5.01-7.79)	6.90 (5.44-8.93)	7.87 (5.95-10.6)	8.62 (6.31-12.0)
3-day	2.05 (1.81-2.36)	2.73 (2.41-3.15)	3.62 (3.19-4.19)	4.36 (3.81-5.08)	5.36 (4.54-6.46)	6.14 (5.10-7.55)	6.94 (5.62-8.74)	7.76 (6.12-10.1)	8.89 (6.73-12.0)	9.78 (7.16-13.6)
4-day	2.21 (1.96-2.55)	2.98 (2.63-3.44)	3.98 (3.51-4.61)	4.82 (4.21-5.62)	5.96 (5.04-7.18)	6.84 (5.68-8.42)	7.75 (6.28-9.76)	8.70 (6.86-11.3)	9.99 (7.57-13.5)	11.0 (8.06-15.3)
7-day	2.53 (2.24-2.92)	3.45 (3.05-3.99)	4.68 (4.13-5.42)	5.70 (4.98-6.65)	7.09 (6.01-8.55)	8.18 (6.79-10.1)	9.30 (7.54-11.7)	10.5 (8.26-13.6)	12.1 (9.15-16.3)	13.4 (9.77-18.6)
10-day	2.72 (2.40-3.13)	3.75 (3.31-4.33)	5.12 (4.51-5.93)	6.25 (5.47-7.30)	7.82 (6.62-9.43)	9.05 (7.51-11.1)	10.3 (8.36-13.0)	11.6 (9.17-15.1)	13.5 (10.2-18.1)	14.9 (10.9-20.8)
20-day	3.29 (2.91-3.79)	4.59 (4.06-5.30)	6.33 (5.58-7.33)	7.79 (6.81-9.08)	9.80 (8.30-11.8)	11.4 (9.45-14.0)	13.0 (10.6-16.4)	14.8 (11.7-19.1)	17.2 (13.0-23.2)	19.1 (14.0-26.7)
30-day	3.91 (3.46-4.51)	5.46 (4.83-6.31)	7.55 (6.66-8.74)	9.29 (8.13-10.8)	11.7 (9.93-14.1)	13.7 (11.3-16.8)	15.7 (12.7-19.7)	17.8 (14.0-23.0)	20.8 (15.7-28.0)	23.1 (16.9-32.3)
45-day	4.68 (4.14-5.39)	6.48 (5.73-7.48)	8.92 (7.87-10.3)	11.0 (9.59-12.8)	13.8 (11.7-16.7)	16.1 (13.4-19.8)	18.5 (15.0-23.3)	21.1 (16.6-27.3)	24.6 (18.7-33.2)	27.5 (20.2-38.4)
60-day	5.47 (4.85-6.31)	7.50 (6.63-8.65)	10.2 (9.03-11.9)	12.5 (11.0-14.6)	15.8 (13.4-19.0)	18.4 (15.3-22.6)	21.1 (17.1-26.6)	24.0 (19.0-31.1)	28.2 (21.3-38.0)	31.5 (23.1-43.9)

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.

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Subarea LA
(Lasselle Basin)

NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.9520°, Longitude: -117.2070°
Elevation: 1940 ft*
 * source: Google Maps

**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

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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	0.099 (0.083-0.120)	0.132 (0.110-0.161)	0.176 (0.146-0.214)	0.212 (0.175-0.260)	0.262 (0.208-0.332)	0.300 (0.234-0.390)	0.340 (0.258-0.452)	0.381 (0.281-0.522)	0.438 (0.309-0.626)	0.483 (0.329-0.715)
10-min	0.142 (0.119-0.172)	0.190 (0.158-0.230)	0.253 (0.210-0.307)	0.304 (0.251-0.373)	0.375 (0.299-0.476)	0.430 (0.335-0.558)	0.487 (0.370-0.648)	0.546 (0.403-0.748)	0.628 (0.443-0.897)	0.692 (0.472-1.02)
15-min	0.172 (0.144-0.208)	0.230 (0.191-0.278)	0.306 (0.254-0.372)	0.368 (0.303-0.451)	0.454 (0.361-0.576)	0.520 (0.405-0.675)	0.589 (0.447-0.784)	0.660 (0.487-0.905)	0.759 (0.536-1.08)	0.837 (0.570-1.24)
30-min	0.262 (0.218-0.317)	0.349 (0.291-0.423)	0.465 (0.386-0.565)	0.560 (0.461-0.687)	0.690 (0.549-0.876)	0.792 (0.616-1.03)	0.896 (0.680-1.19)	1.00 (0.741-1.38)	1.15 (0.815-1.65)	1.27 (0.868-1.89)
60-min	0.381 (0.318-0.462)	0.509 (0.424-0.617)	0.677 (0.562-0.823)	0.815 (0.672-1.00)	1.00 (0.800-1.28)	1.15 (0.898-1.50)	1.30 (0.990-1.74)	1.46 (1.08-2.00)	1.68 (1.19-2.40)	1.85 (1.26-2.75)
2-hr	0.557 (0.465-0.675)	0.726 (0.605-0.880)	0.947 (0.787-1.15)	1.13 (0.930-1.38)	1.38 (1.09-1.75)	1.57 (1.22-2.03)	1.76 (1.34-2.35)	1.97 (1.45-2.69)	2.25 (1.59-3.21)	2.47 (1.68-3.66)
3-hr	0.690 (0.576-0.836)	0.891 (0.742-1.08)	1.16 (0.959-1.40)	1.37 (1.13-1.68)	1.66 (1.32-2.11)	1.89 (1.47-2.45)	2.12 (1.61-2.82)	2.36 (1.74-3.23)	2.69 (1.90-3.85)	2.95 (2.01-4.37)
6-hr	0.974 (0.813-1.18)	1.25 (1.04-1.51)	1.61 (1.33-1.96)	1.90 (1.56-2.33)	2.30 (1.83-2.92)	2.60 (2.03-3.38)	2.92 (2.21-3.88)	3.24 (2.39-4.44)	3.68 (2.60-5.26)	4.02 (2.74-5.96)
12-hr	1.29 (1.08-1.56)	1.66 (1.38-2.01)	2.14 (1.78-2.60)	2.53 (2.08-3.10)	3.06 (2.44-3.88)	3.47 (2.70-4.50)	3.88 (2.95-5.16)	4.31 (3.18-5.90)	4.89 (3.45-6.99)	5.34 (3.64-7.91)
24-hr	1.71 (1.51-1.97)	2.22 (1.96-2.56)	2.88 (2.54-3.34)	3.42 (2.99-3.99)	4.15 (3.52-5.00)	4.71 (3.91-5.80)	5.28 (4.28-6.65)	5.87 (4.63-7.59)	6.66 (5.04-8.98)	7.28 (5.33-10.1)
2-day	2.06 (1.82-2.37)	2.71 (2.40-3.13)	3.57 (3.15-4.13)	4.27 (3.73-4.98)	5.22 (4.42-6.29)	5.96 (4.94-7.33)	6.71 (5.43-8.45)	7.48 (5.90-9.68)	8.54 (6.46-11.5)	9.36 (6.85-13.1)
3-day	2.20 (1.95-2.54)	2.94 (2.60-3.40)	3.91 (3.45-4.53)	4.71 (4.12-5.49)	5.80 (4.91-6.99)	6.65 (5.52-8.18)	7.52 (6.09-9.47)	8.42 (6.64-10.9)	9.66 (7.32-13.0)	10.6 (7.79-14.8)
4-day	2.38 (2.11-2.75)	3.21 (2.84-3.70)	4.30 (3.79-4.97)	5.20 (4.54-6.06)	6.43 (5.45-7.75)	7.40 (6.14-9.10)	8.39 (6.80-10.6)	9.43 (7.43-12.2)	10.9 (8.21-14.6)	12.0 (8.77-16.7)
7-day	2.72 (2.40-3.13)	3.71 (3.28-4.28)	5.03 (4.43-5.82)	6.11 (5.35-7.13)	7.62 (6.45-9.18)	8.79 (7.30-10.8)	10.0 (8.11-12.6)	11.3 (8.90-14.6)	13.1 (9.88-17.6)	14.5 (10.6-20.1)
10-day	2.92 (2.59-3.37)	4.03 (3.56-4.65)	5.49 (4.84-6.35)	6.70 (5.86-7.82)	8.38 (7.09-10.1)	9.70 (8.04-11.9)	11.1 (8.96-13.9)	12.5 (9.86-16.2)	14.5 (11.0-19.5)	16.1 (11.8-22.4)
20-day	3.58 (3.17-4.13)	4.97 (4.39-5.74)	6.82 (6.02-7.90)	8.37 (7.32-9.77)	10.5 (8.91-12.7)	12.2 (10.1-15.0)	14.0 (11.4-17.6)	15.9 (12.5-20.6)	18.5 (14.0-25.0)	20.7 (15.1-28.8)
30-day	4.26 (3.77-4.91)	5.90 (5.22-6.81)	8.10 (7.14-9.38)	9.95 (8.70-11.6)	12.5 (10.6-15.1)	14.6 (12.1-17.9)	16.7 (13.6-21.1)	19.0 (15.0-24.6)	22.3 (16.9-30.0)	24.9 (18.2-34.7)
45-day	5.10 (4.51-5.88)	7.00 (6.19-8.08)	9.56 (8.43-11.1)	11.7 (10.2-13.7)	14.7 (12.5-17.7)	17.1 (14.2-21.1)	19.7 (15.9-24.8)	22.4 (17.7-29.0)	26.3 (19.9-35.4)	29.5 (21.6-41.1)
60-day	5.98 (5.30-6.90)	8.11 (7.17-9.36)	11.0 (9.68-12.7)	13.4 (11.7-15.6)	16.8 (14.2-20.2)	19.5 (16.2-24.0)	22.4 (18.1-28.2)	25.5 (20.1-33.0)	30.0 (22.7-40.4)	33.7 (24.6-46.9)

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.

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Subarea NA (Nason Basin)



NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.9620°, Longitude: -117.1922°
Elevation: 2210 ft*
 * source: Google Maps

**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 & aeriels](#)

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	0.102 (0.085-0.124)	0.137 (0.114-0.166)	0.182 (0.151-0.221)	0.219 (0.181-0.269)	0.270 (0.215-0.343)	0.310 (0.241-0.402)	0.350 (0.266-0.466)	0.393 (0.289-0.538)	0.451 (0.318-0.644)	0.497 (0.339-0.736)
10-min	0.146 (0.122-0.177)	0.196 (0.163-0.237)	0.261 (0.217-0.317)	0.314 (0.259-0.385)	0.387 (0.308-0.492)	0.444 (0.346-0.576)	0.502 (0.381-0.668)	0.563 (0.415-0.771)	0.646 (0.456-0.924)	0.712 (0.485-1.05)
15-min	0.177 (0.148-0.214)	0.237 (0.197-0.287)	0.315 (0.262-0.384)	0.380 (0.313-0.466)	0.468 (0.373-0.595)	0.537 (0.418-0.697)	0.607 (0.461-0.808)	0.680 (0.502-0.932)	0.781 (0.552-1.12)	0.861 (0.587-1.28)
30-min	0.266 (0.222-0.322)	0.356 (0.296-0.431)	0.474 (0.394-0.576)	0.571 (0.470-0.700)	0.704 (0.560-0.893)	0.807 (0.628-1.05)	0.912 (0.692-1.21)	1.02 (0.754-1.40)	1.17 (0.829-1.68)	1.29 (0.882-1.92)
60-min	0.391 (0.326-0.473)	0.522 (0.435-0.633)	0.696 (0.578-0.846)	0.838 (0.690-1.03)	1.03 (0.822-1.31)	1.18 (0.922-1.54)	1.34 (1.02-1.78)	1.50 (1.11-2.06)	1.72 (1.22-2.46)	1.90 (1.29-2.81)
2-hr	0.572 (0.477-0.693)	0.747 (0.622-0.905)	0.976 (0.810-1.19)	1.16 (0.958-1.43)	1.42 (1.13-1.80)	1.62 (1.26-2.10)	1.82 (1.38-2.42)	2.03 (1.50-2.78)	2.32 (1.64-3.32)	2.55 (1.74-3.78)
3-hr	0.711 (0.593-0.861)	0.919 (0.765-1.11)	1.19 (0.990-1.45)	1.42 (1.17-1.74)	1.72 (1.37-2.18)	1.96 (1.52-2.54)	2.20 (1.67-2.92)	2.44 (1.80-3.35)	2.79 (1.97-3.99)	3.06 (2.08-4.53)
6-hr	1.01 (0.844-1.23)	1.30 (1.08-1.57)	1.67 (1.39-2.03)	1.98 (1.63-2.42)	2.39 (1.90-3.04)	2.71 (2.11-3.52)	3.04 (2.31-4.04)	3.38 (2.49-4.63)	3.84 (2.71-5.49)	4.20 (2.86-6.22)
12-hr	1.35 (1.13-1.64)	1.73 (1.44-2.10)	2.23 (1.85-2.71)	2.64 (2.17-3.24)	3.19 (2.54-4.05)	3.62 (2.81-4.69)	4.05 (3.07-5.39)	4.49 (3.31-6.16)	5.10 (3.60-7.29)	5.58 (3.80-8.26)
24-hr	1.80 (1.59-2.07)	2.33 (2.06-2.69)	3.02 (2.66-3.49)	3.58 (3.13-4.17)	4.34 (3.67-5.23)	4.92 (4.08-6.05)	5.51 (4.47-6.95)	6.13 (4.83-7.93)	6.96 (5.26-9.37)	7.60 (5.57-10.6)
2-day	2.18 (1.93-2.52)	2.87 (2.53-3.31)	3.76 (3.31-4.35)	4.49 (3.93-5.24)	5.49 (4.65-6.62)	6.26 (5.20-7.70)	7.05 (5.71-8.88)	7.86 (6.20-10.2)	8.98 (6.80-12.1)	9.86 (7.21-13.7)
3-day	2.34 (2.07-2.70)	3.11 (2.75-3.60)	4.13 (3.64-4.78)	4.96 (4.34-5.79)	6.12 (5.18-7.37)	7.01 (5.82-8.62)	7.93 (6.43-9.99)	8.89 (7.01-11.5)	10.2 (7.73-13.8)	11.2 (8.23-15.7)
4-day	2.53 (2.24-2.92)	3.40 (3.00-3.92)	4.54 (4.00-5.25)	5.48 (4.79-6.39)	6.78 (5.75-8.18)	7.80 (6.47-9.60)	8.85 (7.17-11.1)	9.95 (7.84-12.9)	11.5 (8.68-15.5)	12.7 (9.27-17.7)
7-day	2.90 (2.57-3.34)	3.94 (3.48-4.55)	5.32 (4.69-6.16)	6.46 (5.65-7.54)	8.04 (6.81-9.69)	9.29 (7.71-11.4)	10.6 (8.57-13.3)	11.9 (9.40-15.4)	13.8 (10.4-18.6)	15.3 (11.2-21.3)
10-day	3.13 (2.77-3.61)	4.29 (3.79-4.95)	5.83 (5.14-6.74)	7.10 (6.21-8.29)	8.87 (7.51-10.7)	10.3 (8.51-12.6)	11.7 (9.49-14.7)	13.2 (10.4-17.1)	15.4 (11.6-20.7)	17.1 (12.5-23.8)
20-day	3.86 (3.42-4.45)	5.33 (4.71-6.16)	7.29 (6.43-8.44)	8.92 (7.80-10.4)	11.2 (9.48-13.5)	13.0 (10.8-16.0)	14.9 (12.0-18.7)	16.9 (13.3-21.8)	19.7 (14.9-26.5)	21.9 (16.1-30.6)
30-day	4.60 (4.07-5.30)	6.34 (5.61-7.32)	8.66 (7.64-10.0)	10.6 (9.28-12.4)	13.3 (11.3-16.0)	15.5 (12.8-19.0)	17.7 (14.4-22.3)	20.1 (15.9-26.1)	23.6 (17.8-31.8)	26.4 (19.3-36.7)
45-day	5.52 (4.89-6.37)	7.54 (6.66-8.70)	10.2 (9.03-11.8)	12.5 (10.9-14.6)	15.7 (13.3-18.9)	18.2 (15.1-22.4)	20.8 (16.9-26.2)	23.7 (18.7-30.7)	27.8 (21.0-37.4)	31.1 (22.8-43.4)
60-day	6.50 (5.75-7.49)	8.75 (7.74-10.1)	11.8 (10.4-13.6)	14.3 (12.5-16.7)	17.9 (15.1-21.5)	20.7 (17.2-25.5)	23.7 (19.2-29.9)	27.0 (21.3-34.9)	31.6 (24.0-42.7)	35.5 (26.0-49.5)

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.

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Subarea SA
(Sinclair Basin)

NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.9584°, Longitude: -117.1690°
Elevation: 1967 ft*
 * source: Google Maps

**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 & aerals](#)

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	0.100 (0.083-0.121)	0.135 (0.113-0.164)	0.181 (0.151-0.221)	0.219 (0.180-0.269)	0.270 (0.215-0.343)	0.310 (0.241-0.402)	0.350 (0.266-0.466)	0.392 (0.289-0.537)	0.449 (0.317-0.641)	0.493 (0.336-0.731)
10-min	0.144 (0.120-0.174)	0.194 (0.162-0.235)	0.260 (0.216-0.316)	0.314 (0.259-0.385)	0.387 (0.308-0.492)	0.444 (0.346-0.576)	0.502 (0.381-0.668)	0.561 (0.414-0.769)	0.643 (0.454-0.919)	0.707 (0.482-1.05)
15-min	0.174 (0.145-0.210)	0.235 (0.195-0.284)	0.314 (0.261-0.382)	0.380 (0.313-0.466)	0.468 (0.373-0.595)	0.537 (0.418-0.697)	0.607 (0.460-0.807)	0.679 (0.501-0.930)	0.778 (0.549-1.11)	0.855 (0.583-1.27)
30-min	0.260 (0.217-0.315)	0.351 (0.292-0.426)	0.471 (0.391-0.572)	0.568 (0.468-0.697)	0.701 (0.558-0.890)	0.803 (0.625-1.04)	0.908 (0.689-1.21)	1.02 (0.749-1.39)	1.16 (0.822-1.66)	1.28 (0.872-1.90)
60-min	0.385 (0.321-0.466)	0.520 (0.433-0.630)	0.697 (0.578-0.847)	0.841 (0.693-1.03)	1.04 (0.825-1.32)	1.19 (0.926-1.54)	1.34 (1.02-1.79)	1.50 (1.11-2.06)	1.72 (1.22-2.46)	1.89 (1.29-2.81)
2-hr	0.571 (0.476-0.692)	0.749 (0.624-0.909)	0.983 (0.816-1.20)	1.17 (0.966-1.44)	1.43 (1.14-1.82)	1.63 (1.27-2.12)	1.83 (1.39-2.44)	2.04 (1.51-2.80)	2.33 (1.65-3.33)	2.56 (1.74-3.79)
3-hr	0.714 (0.596-0.865)	0.927 (0.772-1.12)	1.21 (1.00-1.47)	1.43 (1.18-1.76)	1.74 (1.38-2.21)	1.98 (1.54-2.56)	2.22 (1.68-2.95)	2.47 (1.82-3.38)	2.81 (1.98-4.01)	3.07 (2.09-4.55)
6-hr	1.02 (0.853-1.24)	1.31 (1.09-1.59)	1.69 (1.41-2.06)	2.00 (1.65-2.45)	2.42 (1.92-3.07)	2.74 (2.13-3.56)	3.07 (2.33-4.08)	3.41 (2.51-4.67)	3.87 (2.73-5.53)	4.22 (2.88-6.26)
12-hr	1.36 (1.13-1.65)	1.74 (1.45-2.11)	2.24 (1.86-2.73)	2.65 (2.18-3.25)	3.20 (2.55-4.07)	3.63 (2.83-4.71)	4.06 (3.08-5.40)	4.50 (3.32-6.17)	5.11 (3.61-7.30)	5.58 (3.80-8.27)
24-hr	1.80 (1.59-2.07)	2.32 (2.05-2.68)	3.01 (2.65-3.48)	3.57 (3.12-4.17)	4.33 (3.67-5.22)	4.91 (4.08-6.04)	5.50 (4.46-6.93)	6.11 (4.82-7.91)	6.94 (5.25-9.36)	7.58 (5.55-10.6)
2-day	2.15 (1.90-2.48)	2.82 (2.49-3.25)	3.69 (3.26-4.28)	4.41 (3.86-5.15)	5.39 (4.57-6.50)	6.15 (5.11-7.57)	6.93 (5.61-8.73)	7.73 (6.10-10.0)	8.83 (6.68-11.9)	9.69 (7.09-13.5)
3-day	2.29 (2.02-2.63)	3.03 (2.68-3.50)	4.02 (3.54-4.65)	4.83 (4.23-5.64)	5.95 (5.04-7.17)	6.82 (5.66-8.39)	7.72 (6.25-9.72)	8.65 (6.82-11.2)	9.93 (7.52-13.4)	10.9 (8.01-15.2)
4-day	2.47 (2.19-2.85)	3.31 (2.93-3.82)	4.42 (3.90-5.12)	5.34 (4.67-6.23)	6.61 (5.60-7.97)	7.61 (6.31-9.35)	8.63 (6.99-10.9)	9.70 (7.65-12.6)	11.2 (8.46-15.1)	12.3 (9.03-17.2)
7-day	2.83 (2.51-3.27)	3.86 (3.41-4.45)	5.21 (4.60-6.04)	6.34 (5.55-7.40)	7.90 (6.69-9.52)	9.13 (7.58-11.2)	10.4 (8.43-13.1)	11.7 (9.26-15.2)	13.6 (10.3-18.3)	15.1 (11.0-21.0)
10-day	3.05 (2.70-3.52)	4.18 (3.70-4.83)	5.70 (5.02-6.59)	6.96 (6.08-8.11)	8.71 (7.37-10.5)	10.1 (8.37-12.4)	11.5 (9.33-14.5)	13.0 (10.3-16.9)	15.1 (11.5-20.4)	16.8 (12.3-23.4)
20-day	3.78 (3.35-4.36)	5.24 (4.63-6.04)	7.19 (6.34-8.32)	8.82 (7.72-10.3)	11.1 (9.41-13.4)	12.9 (10.7-15.9)	14.8 (12.0-18.7)	16.8 (13.3-21.8)	19.7 (14.9-26.5)	21.9 (16.1-30.6)
30-day	4.54 (4.02-5.24)	6.28 (5.55-7.25)	8.62 (7.60-9.97)	10.6 (9.25-12.3)	13.3 (11.3-16.1)	15.5 (12.9-19.1)	17.8 (14.5-22.5)	20.3 (16.0-26.3)	23.8 (18.0-32.1)	26.6 (19.5-37.1)
45-day	5.44 (4.81-6.27)	7.43 (6.57-8.58)	10.1 (8.93-11.7)	12.4 (10.8-14.5)	15.6 (13.2-18.8)	18.2 (15.1-22.3)	20.9 (16.9-26.3)	23.8 (18.8-30.8)	27.9 (21.1-37.6)	31.3 (22.9-43.6)
60-day	6.42 (5.68-7.40)	8.64 (7.64-9.98)	11.7 (10.3-13.5)	14.2 (12.4-16.6)	17.8 (15.1-21.5)	20.7 (17.2-25.5)	23.8 (19.3-30.0)	27.1 (21.4-35.1)	31.9 (24.1-42.9)	35.7 (26.2-49.8)

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.

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Subarea CP4A
(Perris Valley)

NOAA Atlas 14, Volume 6, Version 2
Location name: Moreno Valley, California, US*
Latitude: 33.8783°, Longitude: -117.2203°
Elevation: 1475 ft*
 * source: Google Maps

**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

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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	0.090 (0.075-0.109)	0.125 (0.105-0.152)	0.172 (0.143-0.209)	0.210 (0.173-0.258)	0.263 (0.210-0.334)	0.304 (0.237-0.395)	0.347 (0.263-0.461)	0.391 (0.289-0.535)	0.452 (0.319-0.646)	0.500 (0.341-0.740)
10-min	0.129 (0.108-0.156)	0.180 (0.150-0.217)	0.246 (0.205-0.299)	0.301 (0.249-0.369)	0.377 (0.300-0.478)	0.436 (0.340-0.565)	0.497 (0.378-0.661)	0.560 (0.414-0.767)	0.648 (0.458-0.926)	0.716 (0.488-1.06)
15-min	0.156 (0.131-0.189)	0.217 (0.181-0.263)	0.298 (0.248-0.362)	0.364 (0.301-0.446)	0.456 (0.363-0.578)	0.528 (0.411-0.684)	0.601 (0.457-0.799)	0.678 (0.500-0.928)	0.783 (0.553-1.12)	0.866 (0.591-1.28)
30-min	0.257 (0.215-0.311)	0.358 (0.298-0.433)	0.491 (0.408-0.596)	0.600 (0.495-0.735)	0.751 (0.598-0.952)	0.869 (0.677-1.13)	0.990 (0.752-1.32)	1.12 (0.824-1.53)	1.29 (0.911-1.84)	1.43 (0.973-2.11)
60-min	0.345 (0.288-0.417)	0.479 (0.400-0.580)	0.657 (0.547-0.798)	0.804 (0.663-0.984)	1.01 (0.801-1.28)	1.16 (0.907-1.51)	1.33 (1.01-1.76)	1.50 (1.10-2.05)	1.73 (1.22-2.47)	1.91 (1.30-2.83)
2-hr	0.517 (0.432-0.625)	0.684 (0.571-0.829)	0.905 (0.753-1.10)	1.08 (0.895-1.33)	1.33 (1.06-1.69)	1.52 (1.19-1.97)	1.72 (1.30-2.28)	1.92 (1.42-2.63)	2.19 (1.55-3.14)	2.41 (1.64-3.57)
3-hr	0.643 (0.537-0.777)	0.839 (0.700-1.01)	1.10 (0.912-1.33)	1.31 (1.08-1.60)	1.59 (1.27-2.02)	1.81 (1.41-2.35)	2.04 (1.55-2.71)	2.27 (1.67-3.10)	2.58 (1.82-3.69)	2.82 (1.92-4.18)
6-hr	0.901 (0.752-1.09)	1.17 (0.974-1.41)	1.52 (1.26-1.84)	1.80 (1.48-2.20)	2.18 (1.74-2.77)	2.47 (1.93-3.21)	2.77 (2.10-3.68)	3.07 (2.27-4.20)	3.48 (2.46-4.97)	3.79 (2.59-5.62)
12-hr	1.14 (0.952-1.38)	1.51 (1.26-1.83)	2.00 (1.66-2.43)	2.39 (1.97-2.93)	2.92 (2.32-3.70)	3.31 (2.58-4.29)	3.71 (2.82-4.94)	4.12 (3.04-5.64)	4.66 (3.30-6.67)	5.08 (3.46-7.53)
24-hr	1.41 (1.25-1.63)	1.94 (1.72-2.25)	2.63 (2.32-3.05)	3.18 (2.78-3.71)	3.92 (3.32-4.72)	4.47 (3.71-5.50)	5.03 (4.08-6.33)	5.59 (4.41-7.24)	6.34 (4.80-8.55)	6.91 (5.06-9.63)
2-day	1.63 (1.44-1.88)	2.28 (2.02-2.63)	3.12 (2.75-3.62)	3.80 (3.32-4.43)	4.70 (3.98-5.67)	5.38 (4.47-6.62)	6.07 (4.92-7.64)	6.76 (5.33-8.75)	7.68 (5.82-10.4)	8.39 (6.14-11.7)
3-day	1.73 (1.53-1.99)	2.44 (2.16-2.82)	3.36 (2.96-3.89)	4.11 (3.59-4.79)	5.10 (4.32-6.14)	5.85 (4.85-7.20)	6.61 (5.35-8.32)	7.38 (5.82-9.54)	8.40 (6.36-11.3)	9.19 (6.73-12.8)
4-day	1.87 (1.66-2.16)	2.66 (2.35-3.08)	3.69 (3.25-4.27)	4.52 (3.95-5.28)	5.63 (4.77-6.79)	6.48 (5.38-7.97)	7.33 (5.94-9.23)	8.20 (6.47-10.6)	9.37 (7.09-12.6)	10.3 (7.52-14.3)
7-day	1.99 (1.76-2.29)	2.88 (2.55-3.33)	4.06 (3.58-4.70)	5.01 (4.38-5.85)	6.31 (5.34-7.60)	7.30 (6.06-8.98)	8.31 (6.73-10.5)	9.35 (7.37-12.1)	10.7 (8.14-14.5)	11.8 (8.66-16.5)
10-day	2.00 (1.77-2.31)	2.93 (2.59-3.39)	4.17 (3.67-4.83)	5.18 (4.53-6.05)	6.57 (5.56-7.92)	7.64 (6.34-9.40)	8.74 (7.08-11.0)	9.87 (7.78-12.8)	11.4 (8.64-15.4)	12.6 (9.23-17.6)
20-day	2.24 (1.98-2.59)	3.32 (2.94-3.84)	4.79 (4.22-5.54)	6.02 (5.26-7.02)	7.74 (6.55-9.32)	9.10 (7.55-11.2)	10.5 (8.51-13.2)	12.0 (9.46-15.5)	14.0 (10.6-18.9)	15.7 (11.5-21.8)
30-day	2.48 (2.20-2.86)	3.66 (3.24-4.23)	5.29 (4.67-6.13)	6.68 (5.84-7.79)	8.66 (7.33-10.4)	10.2 (8.50-12.6)	11.9 (9.64-15.0)	13.7 (10.8-17.7)	16.1 (12.2-21.8)	18.1 (13.3-25.3)
45-day	2.90 (2.56-3.34)	4.20 (3.71-4.85)	6.03 (5.32-6.98)	7.62 (6.66-8.89)	9.93 (8.41-12.0)	11.8 (9.80-14.5)	13.8 (11.2-17.4)	16.0 (12.6-20.7)	19.1 (14.4-25.7)	21.5 (15.8-30.0)
60-day	3.26 (2.88-3.76)	4.62 (4.08-5.34)	6.58 (5.80-7.62)	8.31 (7.26-9.70)	10.8 (9.18-13.1)	13.0 (10.7-15.9)	15.2 (12.3-19.2)	17.7 (13.9-22.9)	21.2 (16.1-28.6)	24.2 (17.7-33.7)

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.

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Subarea SETA
(Seaton Basin)

NOAA Atlas 14, Volume 6, Version 2
Location name: Perris, California, US*
Latitude: 33.8208°, Longitude: -117.2732°
Elevation: 1776 ft*
 * source: Google Maps

**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

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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	0.088 (0.074-0.107)	0.124 (0.103-0.150)	0.172 (0.144-0.209)	0.214 (0.177-0.262)	0.275 (0.219-0.348)	0.324 (0.253-0.420)	0.377 (0.287-0.501)	0.435 (0.321-0.595)	0.518 (0.366-0.740)	0.587 (0.400-0.869)
10-min	0.127 (0.106-0.153)	0.177 (0.148-0.214)	0.247 (0.206-0.300)	0.307 (0.254-0.376)	0.394 (0.314-0.499)	0.465 (0.362-0.602)	0.540 (0.411-0.718)	0.623 (0.460-0.852)	0.742 (0.525-1.06)	0.841 (0.574-1.25)
15-min	0.153 (0.128-0.185)	0.214 (0.179-0.259)	0.299 (0.249-0.363)	0.372 (0.307-0.455)	0.476 (0.380-0.603)	0.562 (0.438-0.728)	0.654 (0.497-0.868)	0.753 (0.556-1.03)	0.898 (0.634-1.28)	1.02 (0.694-1.51)
30-min	0.241 (0.202-0.291)	0.337 (0.282-0.408)	0.471 (0.392-0.571)	0.585 (0.483-0.716)	0.750 (0.598-0.950)	0.885 (0.690-1.15)	1.03 (0.782-1.37)	1.19 (0.876-1.62)	1.41 (0.999-2.02)	1.60 (1.09-2.37)
60-min	0.332 (0.277-0.400)	0.464 (0.387-0.561)	0.647 (0.539-0.784)	0.804 (0.664-0.984)	1.03 (0.822-1.31)	1.22 (0.948-1.57)	1.41 (1.07-1.88)	1.63 (1.20-2.23)	1.94 (1.37-2.77)	2.20 (1.50-3.26)
2-hr	0.499 (0.418-0.603)	0.668 (0.558-0.808)	0.896 (0.747-1.09)	1.09 (0.899-1.33)	1.36 (1.08-1.72)	1.57 (1.23-2.04)	1.80 (1.37-2.39)	2.04 (1.50-2.79)	2.37 (1.68-3.39)	2.65 (1.80-3.92)
3-hr	0.617 (0.516-0.745)	0.813 (0.679-0.984)	1.08 (0.897-1.31)	1.30 (1.07-1.58)	1.60 (1.28-2.03)	1.84 (1.44-2.38)	2.09 (1.59-2.78)	2.35 (1.74-3.22)	2.72 (1.92-3.88)	3.01 (2.05-4.46)
6-hr	0.876 (0.732-1.06)	1.14 (0.953-1.38)	1.49 (1.24-1.81)	1.78 (1.47-2.18)	2.18 (1.74-2.76)	2.48 (1.94-3.22)	2.80 (2.13-3.72)	3.13 (2.31-4.28)	3.58 (2.53-5.12)	3.94 (2.69-5.84)
12-hr	1.17 (0.977-1.41)	1.53 (1.28-1.85)	2.01 (1.67-2.44)	2.40 (1.98-2.94)	2.93 (2.34-3.71)	3.34 (2.60-4.33)	3.76 (2.86-4.99)	4.19 (3.09-5.74)	4.78 (3.38-6.83)	5.25 (3.58-7.77)
24-hr	1.54 (1.37-1.78)	2.06 (1.82-2.38)	2.74 (2.41-3.17)	3.29 (2.88-3.84)	4.04 (3.42-4.88)	4.63 (3.84-5.69)	5.22 (4.23-6.57)	5.83 (4.60-7.55)	6.67 (5.05-8.98)	7.32 (5.36-10.2)
2-day	1.80 (1.59-2.08)	2.45 (2.16-2.83)	3.31 (2.91-3.83)	4.01 (3.51-4.69)	4.99 (4.22-6.02)	5.75 (4.77-7.08)	6.54 (5.30-8.23)	7.36 (5.80-9.52)	8.49 (6.43-11.4)	9.38 (6.87-13.1)
3-day	1.92 (1.69-2.21)	2.63 (2.33-3.04)	3.60 (3.17-4.17)	4.40 (3.85-5.14)	5.52 (4.67-6.66)	6.40 (5.31-7.88)	7.32 (5.93-9.22)	8.28 (6.53-10.7)	9.62 (7.29-13.0)	10.7 (7.83-14.9)
4-day	2.05 (1.81-2.37)	2.85 (2.51-3.29)	3.91 (3.45-4.53)	4.81 (4.20-5.61)	6.06 (5.13-7.30)	7.05 (5.85-8.67)	8.08 (6.55-10.2)	9.18 (7.23-11.9)	10.7 (8.11-14.4)	11.9 (8.74-16.6)
7-day	2.27 (2.01-2.62)	3.19 (2.82-3.68)	4.43 (3.90-5.13)	5.46 (4.78-6.38)	6.92 (5.86-8.35)	8.09 (6.71-9.95)	9.31 (7.54-11.7)	10.6 (8.36-13.7)	12.4 (9.41-16.7)	13.9 (10.2-19.4)
10-day	2.40 (2.12-2.77)	3.38 (2.99-3.90)	4.71 (4.15-5.46)	5.84 (5.11-6.82)	7.43 (6.29-8.96)	8.70 (7.22-10.7)	10.0 (8.13-12.6)	11.5 (9.04-14.8)	13.5 (10.2-18.2)	15.1 (11.1-21.1)
20-day	2.83 (2.50-3.27)	4.03 (3.56-4.66)	5.69 (5.01-6.59)	7.11 (6.21-8.30)	9.15 (7.74-11.0)	10.8 (8.96-13.3)	12.6 (10.2-15.8)	14.5 (11.4-18.7)	17.2 (13.1-23.2)	19.5 (14.3-27.2)
30-day	3.28 (2.90-3.79)	4.67 (4.13-5.39)	6.61 (5.83-7.66)	8.30 (7.25-9.69)	10.7 (9.10-13.0)	12.8 (10.6-15.7)	15.0 (12.1-18.8)	17.4 (13.7-22.5)	20.9 (15.8-28.1)	23.8 (17.4-33.2)
45-day	3.85 (3.40-4.44)	5.42 (4.79-6.26)	7.66 (6.75-8.87)	9.63 (8.42-11.2)	12.6 (10.6-15.1)	15.0 (12.5-18.5)	17.7 (14.4-22.3)	20.8 (16.4-26.9)	25.3 (19.1-34.0)	29.1 (21.3-40.5)
60-day	4.40 (3.89-5.08)	6.11 (5.40-7.06)	8.59 (7.56-9.94)	10.8 (9.44-12.6)	14.1 (12.0-17.0)	17.0 (14.1-20.9)	20.1 (16.3-25.4)	23.7 (18.7-30.7)	29.2 (22.1-39.3)	33.9 (24.8-47.3)

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.

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Subarea 15A
(Romoland A)

NOAA Atlas 14, Volume 6, Version 2
Location name: Meniffee, California, US*
Latitude: 33.7515°, Longitude: -117.1836°
Elevation: 1425 ft*
 * source: Google Maps

**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

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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	0.086 (0.072-0.104)	0.123 (0.103-0.149)	0.174 (0.145-0.211)	0.218 (0.180-0.267)	0.281 (0.224-0.355)	0.331 (0.259-0.429)	0.386 (0.293-0.512)	0.444 (0.328-0.607)	0.528 (0.373-0.753)	0.596 (0.407-0.883)
10-min	0.124 (0.103-0.149)	0.177 (0.148-0.213)	0.250 (0.208-0.303)	0.313 (0.258-0.382)	0.402 (0.321-0.509)	0.475 (0.371-0.615)	0.553 (0.420-0.734)	0.636 (0.470-0.870)	0.756 (0.535-1.08)	0.855 (0.583-1.26)
15-min	0.149 (0.125-0.180)	0.214 (0.179-0.258)	0.302 (0.252-0.366)	0.378 (0.312-0.462)	0.486 (0.388-0.616)	0.575 (0.448-0.744)	0.668 (0.508-0.887)	0.769 (0.568-1.05)	0.914 (0.647-1.31)	1.03 (0.705-1.53)
30-min	0.243 (0.203-0.293)	0.347 (0.290-0.419)	0.491 (0.409-0.595)	0.614 (0.507-0.750)	0.790 (0.630-1.00)	0.933 (0.728-1.21)	1.08 (0.826-1.44)	1.25 (0.923-1.71)	1.49 (1.05-2.12)	1.68 (1.15-2.49)
60-min	0.347 (0.291-0.419)	0.497 (0.415-0.600)	0.703 (0.586-0.852)	0.879 (0.726-1.07)	1.13 (0.902-1.43)	1.34 (1.04-1.73)	1.55 (1.18-2.06)	1.79 (1.32-2.45)	2.13 (1.50-3.04)	2.40 (1.64-3.56)
2-hr	0.517 (0.432-0.623)	0.700 (0.585-0.846)	0.948 (0.790-1.15)	1.16 (0.955-1.41)	1.45 (1.15-1.83)	1.68 (1.31-2.17)	1.92 (1.46-2.55)	2.17 (1.60-2.97)	2.53 (1.79-3.61)	2.81 (1.92-4.17)
3-hr	0.634 (0.531-0.765)	0.843 (0.705-1.02)	1.12 (0.936-1.36)	1.36 (1.12-1.66)	1.68 (1.34-2.13)	1.93 (1.51-2.50)	2.20 (1.67-2.92)	2.47 (1.83-3.38)	2.86 (2.02-4.08)	3.16 (2.16-4.68)
6-hr	0.897 (0.751-1.08)	1.17 (0.981-1.42)	1.54 (1.28-1.87)	1.84 (1.52-2.25)	2.26 (1.80-2.86)	2.58 (2.02-3.34)	2.92 (2.22-3.87)	3.26 (2.41-4.46)	3.74 (2.65-5.34)	4.12 (2.81-6.09)
12-hr	1.19 (0.993-1.43)	1.55 (1.30-1.88)	2.04 (1.70-2.48)	2.45 (2.02-2.99)	3.00 (2.39-3.80)	3.43 (2.68-4.44)	3.88 (2.95-5.15)	4.34 (3.21-5.93)	4.98 (3.52-7.11)	5.48 (3.74-8.11)
24-hr	1.55 (1.37-1.78)	2.05 (1.81-2.37)	2.73 (2.41-3.16)	3.29 (2.88-3.85)	4.07 (3.45-4.91)	4.69 (3.89-5.77)	5.32 (4.31-6.70)	5.99 (4.72-7.75)	6.92 (5.24-9.31)	7.65 (5.61-10.7)
2-day	1.81 (1.60-2.09)	2.46 (2.17-2.84)	3.33 (2.93-3.85)	4.05 (3.54-4.73)	5.08 (4.30-6.12)	5.89 (4.88-7.24)	6.73 (5.46-8.48)	7.63 (6.02-9.87)	8.89 (6.73-12.0)	9.89 (7.25-13.8)
3-day	1.93 (1.71-2.23)	2.65 (2.34-3.06)	3.63 (3.20-4.21)	4.46 (3.90-5.21)	5.63 (4.77-6.79)	6.57 (5.45-8.08)	7.56 (6.12-9.52)	8.61 (6.79-11.1)	10.1 (7.65-13.6)	11.3 (8.27-15.7)
4-day	2.07 (1.83-2.39)	2.87 (2.54-3.32)	3.97 (3.50-4.60)	4.90 (4.28-5.72)	6.22 (5.27-7.50)	7.29 (6.05-8.97)	8.41 (6.82-10.6)	9.62 (7.58-12.4)	11.3 (8.58-15.3)	12.7 (9.31-17.7)
7-day	2.32 (2.05-2.67)	3.27 (2.89-3.78)	4.60 (4.05-5.33)	5.73 (5.01-6.69)	7.36 (6.23-8.87)	8.67 (7.19-10.7)	10.1 (8.16-12.7)	11.6 (9.13-15.0)	13.7 (10.4-18.5)	15.5 (11.4-21.6)
10-day	2.44 (2.15-2.81)	3.48 (3.08-4.02)	4.93 (4.35-5.72)	6.18 (5.41-7.22)	7.99 (6.76-9.63)	9.46 (7.85-11.6)	11.0 (8.94-13.9)	12.7 (10.0-16.5)	15.2 (11.5-20.5)	17.2 (12.6-24.0)
20-day	2.86 (2.53-3.30)	4.15 (3.66-4.79)	5.97 (5.26-6.92)	7.57 (6.61-8.83)	9.90 (8.38-11.9)	11.8 (9.81-14.6)	13.9 (11.3-17.5)	16.2 (12.8-21.0)	19.6 (14.8-26.4)	22.4 (16.4-31.2)
30-day	3.38 (2.99-3.90)	4.91 (4.34-5.67)	7.09 (6.25-8.22)	9.02 (7.88-10.5)	11.9 (10.0-14.3)	14.3 (11.8-17.5)	16.9 (13.7-21.2)	19.8 (15.6-25.6)	24.0 (18.2-32.4)	27.6 (20.2-38.5)
45-day	3.95 (3.49-4.56)	5.67 (5.01-6.55)	8.17 (7.20-9.46)	10.4 (9.08-12.1)	13.7 (11.6-16.5)	16.6 (13.7-20.4)	19.7 (15.9-24.8)	23.2 (18.3-30.0)	28.4 (21.5-38.3)	32.9 (24.1-45.8)
60-day	4.58 (4.05-5.29)	6.48 (5.72-7.48)	9.25 (8.15-10.7)	11.7 (10.3-13.7)	15.5 (13.1-18.7)	18.8 (15.6-23.1)	22.4 (18.1-28.2)	26.4 (20.9-34.2)	32.6 (24.7-43.9)	38.0 (27.8-52.9)

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.

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Subarea 15B
(Romoland B)

NOAA Atlas 14, Volume 6, Version 2
Location name: California, US*
Latitude: 33.7639°, Longitude: -117.1541°
Elevation: 1556 ft*
 * source: Google Maps

**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

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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	0.087 (0.073-0.105)	0.124 (0.103-0.149)	0.174 (0.145-0.211)	0.217 (0.180-0.266)	0.279 (0.223-0.354)	0.329 (0.257-0.427)	0.383 (0.291-0.509)	0.441 (0.326-0.603)	0.524 (0.371-0.749)	0.593 (0.405-0.878)
10-min	0.124 (0.104-0.150)	0.177 (0.148-0.214)	0.250 (0.208-0.303)	0.312 (0.257-0.381)	0.400 (0.319-0.507)	0.472 (0.368-0.611)	0.549 (0.417-0.729)	0.632 (0.467-0.864)	0.751 (0.531-1.07)	0.850 (0.580-1.26)
15-min	0.151 (0.126-0.182)	0.214 (0.179-0.259)	0.302 (0.252-0.366)	0.377 (0.311-0.461)	0.484 (0.386-0.613)	0.571 (0.446-0.739)	0.664 (0.505-0.882)	0.764 (0.564-1.04)	0.909 (0.643-1.30)	1.03 (0.701-1.52)
30-min	0.242 (0.202-0.292)	0.344 (0.287-0.416)	0.484 (0.404-0.587)	0.605 (0.499-0.739)	0.777 (0.619-0.984)	0.916 (0.715-1.19)	1.06 (0.810-1.42)	1.23 (0.906-1.68)	1.46 (1.03-2.08)	1.65 (1.13-2.44)
60-min	0.350 (0.293-0.423)	0.498 (0.416-0.603)	0.702 (0.585-0.852)	0.877 (0.724-1.07)	1.13 (0.898-1.43)	1.33 (1.04-1.72)	1.54 (1.18-2.05)	1.78 (1.31-2.43)	2.11 (1.50-3.02)	2.39 (1.63-3.54)
2-hr	0.524 (0.438-0.632)	0.709 (0.592-0.857)	0.957 (0.798-1.16)	1.17 (0.962-1.42)	1.45 (1.16-1.84)	1.68 (1.31-2.18)	1.92 (1.46-2.55)	2.17 (1.61-2.98)	2.53 (1.79-3.61)	2.81 (1.92-4.17)
3-hr	0.646 (0.541-0.780)	0.859 (0.718-1.04)	1.14 (0.952-1.39)	1.38 (1.14-1.68)	1.70 (1.36-2.15)	1.96 (1.52-2.53)	2.22 (1.69-2.95)	2.49 (1.84-3.41)	2.88 (2.03-4.11)	3.18 (2.17-4.71)
6-hr	0.921 (0.770-1.11)	1.21 (1.01-1.46)	1.58 (1.32-1.92)	1.89 (1.56-2.31)	2.31 (1.84-2.93)	2.64 (2.06-3.41)	2.97 (2.26-3.95)	3.32 (2.45-4.54)	3.79 (2.68-5.42)	4.17 (2.84-6.17)
12-hr	1.22 (1.02-1.47)	1.60 (1.34-1.93)	2.10 (1.75-2.55)	2.52 (2.08-3.08)	3.08 (2.46-3.90)	3.52 (2.74-4.55)	3.96 (3.02-5.27)	4.43 (3.27-6.06)	5.07 (3.58-7.24)	5.57 (3.80-8.25)
24-hr	1.59 (1.41-1.83)	2.12 (1.87-2.45)	2.82 (2.49-3.27)	3.40 (2.98-3.97)	4.20 (3.56-5.07)	4.83 (4.01-5.94)	5.47 (4.44-6.89)	6.15 (4.85-7.96)	7.08 (5.37-9.54)	7.82 (5.73-10.9)
2-day	1.87 (1.66-2.16)	2.54 (2.24-2.93)	3.44 (3.03-3.98)	4.18 (3.66-4.88)	5.23 (4.42-6.30)	6.05 (5.02-7.44)	6.90 (5.59-8.69)	7.80 (6.15-10.1)	9.06 (6.86-12.2)	10.1 (7.37-14.0)
3-day	1.99 (1.76-2.29)	2.73 (2.41-3.15)	3.73 (3.29-4.33)	4.58 (4.00-5.34)	5.76 (4.88-6.94)	6.70 (5.56-8.24)	7.68 (6.23-9.68)	8.73 (6.88-11.3)	10.2 (7.72-13.7)	11.4 (8.33-15.8)
4-day	2.13 (1.88-2.45)	2.95 (2.61-3.41)	4.07 (3.58-4.71)	5.01 (4.38-5.85)	6.34 (5.37-7.64)	7.40 (6.14-9.10)	8.52 (6.90-10.7)	9.70 (7.65-12.6)	11.4 (8.62-15.3)	12.7 (9.32-17.7)
7-day	2.37 (2.09-2.73)	3.34 (2.95-3.86)	4.67 (4.12-5.41)	5.80 (5.07-6.77)	7.40 (6.27-8.92)	8.69 (7.21-10.7)	10.1 (8.15-12.7)	11.5 (9.09-14.9)	13.6 (10.3-18.3)	15.3 (11.2-21.3)
10-day	2.49 (2.21-2.88)	3.55 (3.14-4.10)	5.01 (4.41-5.80)	6.25 (5.46-7.29)	8.02 (6.79-9.67)	9.46 (7.84-11.6)	11.0 (8.90-13.8)	12.6 (9.96-16.3)	15.0 (11.3-20.2)	16.9 (12.4-23.5)
20-day	2.95 (2.61-3.40)	4.25 (3.75-4.91)	6.06 (5.34-7.02)	7.63 (6.67-8.91)	9.91 (8.39-11.9)	11.8 (9.78-14.5)	13.8 (11.2-17.4)	16.0 (12.6-20.7)	19.2 (14.6-25.9)	21.9 (16.0-30.5)
30-day	3.45 (3.05-3.98)	4.97 (4.39-5.74)	7.11 (6.26-8.23)	8.97 (7.84-10.5)	11.7 (9.92-14.1)	14.0 (11.6-17.2)	16.5 (13.4-20.8)	19.2 (15.2-24.9)	23.3 (17.6-31.3)	26.7 (19.5-37.1)
45-day	4.06 (3.59-4.68)	5.76 (5.09-6.66)	8.21 (7.23-9.51)	10.4 (9.06-12.1)	13.6 (11.5-16.4)	16.3 (13.5-20.0)	19.3 (15.6-24.3)	22.6 (17.8-29.3)	27.6 (20.9-37.2)	31.9 (23.4-44.4)
60-day	4.70 (4.16-5.42)	6.57 (5.80-7.58)	9.26 (8.16-10.7)	11.7 (10.2-13.6)	15.3 (12.9-18.4)	18.4 (15.3-22.6)	21.8 (17.7-27.5)	25.7 (20.3-33.3)	31.7 (24.0-42.6)	36.8 (26.9-51.2)

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.

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Subarea 16
(Railroad Canyon)

NOAA Atlas 14, Volume 6, Version 2
Location name: Perris, California, US*
Latitude: 33.7452°, Longitude: -117.2761°
Elevation: 1624 ft*
 * source: Google Maps

**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

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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	0.087 (0.073-0.105)	0.123 (0.103-0.148)	0.171 (0.143-0.208)	0.213 (0.176-0.260)	0.272 (0.217-0.345)	0.320 (0.250-0.415)	0.372 (0.283-0.494)	0.427 (0.315-0.584)	0.506 (0.358-0.723)	0.571 (0.390-0.846)
10-min	0.125 (0.105-0.151)	0.176 (0.147-0.212)	0.246 (0.205-0.297)	0.305 (0.252-0.373)	0.390 (0.311-0.494)	0.459 (0.359-0.594)	0.533 (0.405-0.707)	0.612 (0.452-0.837)	0.726 (0.513-1.04)	0.819 (0.558-1.21)
15-min	0.151 (0.127-0.182)	0.213 (0.178-0.257)	0.297 (0.248-0.360)	0.369 (0.305-0.451)	0.472 (0.377-0.597)	0.556 (0.434-0.719)	0.644 (0.490-0.856)	0.740 (0.547-1.01)	0.877 (0.620-1.25)	0.990 (0.675-1.47)
30-min	0.239 (0.200-0.288)	0.336 (0.281-0.405)	0.469 (0.391-0.568)	0.583 (0.482-0.712)	0.745 (0.595-0.943)	0.877 (0.685-1.14)	1.02 (0.774-1.35)	1.17 (0.863-1.60)	1.39 (0.980-1.98)	1.56 (1.07-2.32)
60-min	0.341 (0.286-0.412)	0.480 (0.401-0.579)	0.670 (0.559-0.811)	0.832 (0.688-1.02)	1.06 (0.850-1.35)	1.25 (0.978-1.62)	1.45 (1.11-1.93)	1.67 (1.23-2.28)	1.98 (1.40-2.83)	2.23 (1.52-3.31)
2-hr	0.515 (0.431-0.621)	0.689 (0.577-0.833)	0.926 (0.772-1.12)	1.12 (0.929-1.37)	1.40 (1.12-1.78)	1.63 (1.27-2.10)	1.86 (1.41-2.47)	2.10 (1.55-2.88)	2.45 (1.73-3.50)	2.73 (1.86-4.04)
3-hr	0.637 (0.534-0.769)	0.840 (0.702-1.01)	1.11 (0.927-1.35)	1.34 (1.11-1.64)	1.66 (1.32-2.10)	1.91 (1.49-2.46)	2.17 (1.65-2.87)	2.44 (1.80-3.33)	2.82 (1.99-4.03)	3.13 (2.13-4.63)
6-hr	0.908 (0.761-1.10)	1.18 (0.990-1.43)	1.55 (1.29-1.88)	1.85 (1.53-2.27)	2.27 (1.81-2.87)	2.60 (2.03-3.36)	2.93 (2.23-3.89)	3.28 (2.42-4.49)	3.77 (2.66-5.38)	4.15 (2.83-6.14)
12-hr	1.21 (1.01-1.46)	1.59 (1.33-1.93)	2.11 (1.76-2.55)	2.52 (2.09-3.08)	3.09 (2.47-3.92)	3.53 (2.76-4.57)	3.98 (3.03-5.29)	4.45 (3.29-6.08)	5.08 (3.59-7.26)	5.58 (3.80-8.26)
24-hr	1.59 (1.41-1.84)	2.16 (1.91-2.50)	2.91 (2.56-3.37)	3.52 (3.07-4.11)	4.34 (3.67-5.23)	4.98 (4.13-6.12)	5.62 (4.56-7.08)	6.29 (4.96-8.14)	7.20 (5.46-9.70)	7.91 (5.80-11.0)
2-day	1.87 (1.65-2.15)	2.60 (2.29-3.00)	3.56 (3.14-4.13)	4.35 (3.80-5.08)	5.44 (4.60-6.55)	6.28 (5.21-7.72)	7.14 (5.79-9.00)	8.04 (6.34-10.4)	9.28 (7.03-12.5)	10.3 (7.52-14.3)
3-day	2.00 (1.77-2.31)	2.81 (2.49-3.25)	3.90 (3.44-4.52)	4.80 (4.20-5.61)	6.05 (5.12-7.30)	7.03 (5.83-8.65)	8.04 (6.52-10.1)	9.11 (7.18-11.8)	10.6 (8.02-14.3)	11.8 (8.61-16.4)
4-day	2.14 (1.89-2.47)	3.04 (2.69-3.52)	4.25 (3.75-4.92)	5.26 (4.59-6.14)	6.66 (5.63-8.03)	7.76 (6.44-9.55)	8.91 (7.22-11.2)	10.1 (7.98-13.1)	11.8 (8.95-15.9)	13.2 (9.65-18.3)
7-day	2.40 (2.12-2.77)	3.44 (3.04-3.97)	4.85 (4.27-5.61)	6.03 (5.27-7.04)	7.70 (6.52-9.28)	9.03 (7.49-11.1)	10.4 (8.45-13.1)	11.9 (9.39-15.4)	14.0 (10.6-18.9)	15.7 (11.5-21.9)
10-day	2.53 (2.24-2.92)	3.64 (3.22-4.21)	5.16 (4.55-5.98)	6.45 (5.64-7.53)	8.28 (7.01-9.98)	9.75 (8.09-12.0)	11.3 (9.16-14.2)	13.0 (10.2-16.8)	15.3 (11.6-20.6)	17.2 (12.6-24.0)
20-day	2.99 (2.65-3.45)	4.34 (3.84-5.02)	6.23 (5.49-7.21)	7.85 (6.86-9.17)	10.2 (8.63-12.3)	12.1 (10.1-14.9)	14.2 (11.5-17.9)	16.4 (13.0-21.3)	19.7 (14.9-26.5)	22.4 (16.4-31.2)
30-day	3.50 (3.10-4.04)	5.07 (4.48-5.86)	7.28 (6.42-8.44)	9.21 (8.05-10.8)	12.0 (10.2-14.5)	14.4 (11.9-17.7)	17.0 (13.7-21.4)	19.8 (15.6-25.6)	23.9 (18.1-32.2)	27.4 (20.0-38.1)
45-day	4.10 (3.63-4.73)	5.86 (5.18-6.78)	8.39 (7.39-9.72)	10.6 (9.29-12.4)	14.0 (11.8-16.8)	16.8 (13.9-20.6)	19.9 (16.1-25.0)	23.3 (18.4-30.2)	28.5 (21.6-38.4)	32.9 (24.1-45.9)
60-day	4.72 (4.18-5.45)	6.64 (5.87-7.67)	9.43 (8.30-10.9)	11.9 (10.4-13.9)	15.7 (13.3-18.9)	18.9 (15.7-23.3)	22.5 (18.2-28.3)	26.6 (21.0-34.4)	32.7 (24.8-44.1)	38.0 (27.9-53.0)

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.

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Subarea 17
(Salt Creek)

NOAA Atlas 14, Volume 6, Version 2
Location name: Hemet, California, US*
Latitude: 33.6947°, Longitude: -117.0525°
Elevation: 1577 ft*
 * source: Google Maps

**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 & aerals](#)

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	0.080 (0.067-0.097)	0.117 (0.098-0.141)	0.166 (0.138-0.201)	0.207 (0.171-0.253)	0.264 (0.211-0.335)	0.310 (0.242-0.401)	0.358 (0.273-0.475)	0.409 (0.303-0.560)	0.482 (0.341-0.688)	0.540 (0.369-0.800)
10-min	0.115 (0.097-0.139)	0.167 (0.140-0.202)	0.238 (0.198-0.288)	0.296 (0.245-0.362)	0.379 (0.303-0.480)	0.445 (0.347-0.575)	0.513 (0.391-0.682)	0.587 (0.434-0.802)	0.690 (0.488-0.985)	0.774 (0.528-1.15)
15-min	0.139 (0.117-0.168)	0.202 (0.169-0.245)	0.287 (0.240-0.348)	0.359 (0.296-0.438)	0.458 (0.366-0.580)	0.538 (0.420-0.696)	0.621 (0.473-0.824)	0.710 (0.524-0.970)	0.835 (0.591-1.19)	0.936 (0.639-1.39)
30-min	0.225 (0.189-0.272)	0.327 (0.274-0.395)	0.465 (0.387-0.563)	0.580 (0.479-0.708)	0.741 (0.591-0.938)	0.869 (0.679-1.13)	1.00 (0.764-1.33)	1.15 (0.848-1.57)	1.35 (0.955-1.93)	1.51 (1.03-2.24)
60-min	0.354 (0.296-0.427)	0.514 (0.430-0.621)	0.729 (0.608-0.883)	0.910 (0.752-1.11)	1.16 (0.928-1.47)	1.36 (1.06-1.76)	1.57 (1.20-2.09)	1.80 (1.33-2.46)	2.12 (1.50-3.02)	2.38 (1.62-3.52)
2-hr	0.529 (0.443-0.638)	0.728 (0.609-0.880)	0.989 (0.824-1.20)	1.20 (0.993-1.47)	1.49 (1.19-1.89)	1.71 (1.34-2.22)	1.94 (1.48-2.58)	2.18 (1.61-2.98)	2.50 (1.77-3.57)	2.76 (1.88-4.08)
3-hr	0.652 (0.546-0.787)	0.881 (0.737-1.06)	1.18 (0.982-1.43)	1.42 (1.17-1.73)	1.74 (1.39-2.20)	1.99 (1.55-2.57)	2.24 (1.70-2.97)	2.49 (1.84-3.41)	2.84 (2.01-4.06)	3.11 (2.13-4.61)
6-hr	0.942 (0.789-1.14)	1.25 (1.05-1.51)	1.65 (1.38-2.00)	1.97 (1.63-2.40)	2.39 (1.91-3.03)	2.71 (2.12-3.51)	3.04 (2.31-4.03)	3.37 (2.49-4.60)	3.81 (2.69-5.44)	4.15 (2.83-6.14)
12-hr	1.24 (1.04-1.49)	1.65 (1.38-1.99)	2.18 (1.81-2.64)	2.61 (2.15-3.19)	3.19 (2.54-4.03)	3.63 (2.83-4.69)	4.08 (3.10-5.41)	4.54 (3.35-6.20)	5.16 (3.65-7.36)	5.64 (3.85-8.35)
24-hr	1.61 (1.43-1.86)	2.17 (1.92-2.51)	2.91 (2.56-3.37)	3.52 (3.08-4.11)	4.36 (3.69-5.25)	5.01 (4.16-6.16)	5.68 (4.61-7.16)	6.38 (5.04-8.26)	7.35 (5.57-9.89)	8.11 (5.95-11.3)
2-day	1.90 (1.68-2.19)	2.60 (2.29-3.00)	3.52 (3.10-4.08)	4.29 (3.75-5.01)	5.36 (4.54-6.46)	6.20 (5.14-7.63)	7.07 (5.73-8.90)	7.98 (6.29-10.3)	9.24 (7.00-12.4)	10.2 (7.51-14.3)
3-day	1.99 (1.76-2.30)	2.75 (2.42-3.17)	3.76 (3.31-4.35)	4.60 (4.02-5.37)	5.78 (4.89-6.96)	6.70 (5.56-8.25)	7.67 (6.21-9.65)	8.68 (6.84-11.2)	10.1 (7.64-13.6)	11.2 (8.22-15.6)
4-day	2.11 (1.87-2.44)	2.94 (2.60-3.40)	4.06 (3.58-4.70)	4.99 (4.36-5.83)	6.29 (5.33-7.58)	7.32 (6.08-9.01)	8.40 (6.80-10.6)	9.53 (7.52-12.3)	11.1 (8.42-15.0)	12.4 (9.07-17.2)
7-day	2.32 (2.05-2.68)	3.29 (2.91-3.80)	4.61 (4.06-5.34)	5.72 (5.00-6.68)	7.29 (6.17-8.79)	8.55 (7.09-10.5)	9.87 (8.00-12.4)	11.3 (8.89-14.6)	13.3 (10.0-17.8)	14.8 (10.9-20.7)
10-day	2.45 (2.17-2.83)	3.51 (3.10-4.06)	4.96 (4.37-5.75)	6.20 (5.42-7.24)	7.95 (6.73-9.59)	9.37 (7.77-11.5)	10.9 (8.80-13.7)	12.5 (9.83-16.1)	14.7 (11.2-19.8)	16.6 (12.2-23.1)
20-day	2.90 (2.56-3.34)	4.19 (3.71-4.85)	6.00 (5.29-6.95)	7.56 (6.61-8.82)	9.81 (8.30-11.8)	11.7 (9.67-14.3)	13.6 (11.0-17.2)	15.8 (12.4-20.4)	18.9 (14.3-25.4)	21.5 (15.7-29.9)
30-day	3.36 (2.97-3.88)	4.85 (4.29-5.61)	6.94 (6.12-8.04)	8.77 (7.66-10.2)	11.4 (9.67-13.8)	13.6 (11.3-16.8)	16.0 (13.0-20.2)	18.7 (14.7-24.1)	22.5 (17.0-30.3)	25.7 (18.9-35.8)
45-day	3.96 (3.51-4.58)	5.63 (4.97-6.50)	8.00 (7.04-9.26)	10.1 (8.81-11.8)	13.2 (11.1-15.9)	15.7 (13.1-19.4)	18.6 (15.1-23.4)	21.7 (17.1-28.1)	26.4 (20.0-35.6)	30.4 (22.3-42.3)
60-day	4.62 (4.09-5.33)	6.44 (5.68-7.44)	9.04 (7.96-10.5)	11.3 (9.92-13.3)	14.8 (12.5-17.8)	17.7 (14.7-21.8)	21.0 (17.0-26.4)	24.6 (19.4-31.8)	30.1 (22.8-40.5)	34.7 (25.5-48.4)

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.

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Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
Statistics	
SA_002	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5148
Max	11927
Mean	8490.508396946565
Std dev.	1292.096037762266
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_002

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☒ Statistics	
☒ SA_003	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	5000
Max	9175
Mean	7263.666666666667
Std dev.	880.3626934804061
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: SA_003

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ SA_004	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5360
Max	8568
Mean	7410.666666666667
Std dev.	900.9887690225439
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_004

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
Statistics	
SA_005	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5135
Max	6933
Mean	5942.333333333333
Std dev.	520.8287798174914
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_005

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata **Extent** Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ SA_006	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	5739
Max	8302
Mean	6970.359712230216
Std dev.	583.2086161566322
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: SA_006

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property

Value

Datum

D_WGS_1984

☐ **Statistics**

☐ SA_007

Build Parameters

skipped columns: 1, rows: 1, ignored value(s):

Min

5416

Max

6448

Mean

5974.037037037037

Std dev.

376.7587966898606

Classes

0

Data Source

Data Type:

File System Raster

Folder:

G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS

Raster:

SA_007

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source **Key Metadata** Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
Statistics	
SA_008	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5409
Max	6331
Mean	5952.058823529412
Std dev.	284.2326129301774
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_008

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property

Value

Datum

D_WGS_1984

☐ **Statistics**

☐ SA_009I

Build Parameters

skipped columns: 1, rows: 1, ignored value(s):

Min

5005

Max

5674

Mean

5335.727272727273

Std dev.

169.9388117644671

Classes

0

Data Source

Data Type:

File System Raster

Folder:

G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS

Raster:

SA_009I

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
Statistics	
SA_010	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	5281
Max	6199
Mean	5542.176470588235
Std dev.	255.2077843041728
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: SA_010

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ SA_011	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5277
Max	5795
Mean	5448.893939393939
Std dev.	154.7716062995729
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_011

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property

Value

Datum

D_WGS_1984

☐ **Statistics**

☐ SA_012

Build Parameters

skipped columns: 1, rows: 1, ignored value(s):

Min

5310

Max

5609

Mean

5389.375

Std dev.

86.98797072746353

Classes

0

Data Source

Data Type:

File System Raster

Folder:

G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS

Raster:

SA_012

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☒ Statistics	
☒ SA_013L	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5224
Max	5903
Mean	5522.305263157895
Std dev.	216.9266506921527
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: SA_013L

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
Statistics	
sa_014_CP4	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	4500
Max	5554
Mean	4979.207171314741
Std dev.	273.5143376650796
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: sa_014_CP4

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☒ Statistics	
☒ sa_014_IB	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	4677
Max	5358
Mean	4900.777777777777
Std dev.	231.4053682273685
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: sa_014_IB

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ sa_014_LA	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	5084
Max	5452
Mean	5293.75
Std dev.	156.1801844025035
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: sa_014_LA

Set Data Source...

OK

Cancel

Apply

Layer Properties



- General
- Source
- Key Metadata
- Extent
- Display
- Symbology
- Fields
- Joins & Relates

Property	Value
Datum	D_WGS_1984
☒ Statistics	
☒ sa_014_NA	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5179
Max	5736
Mean	5509.5625
Std dev.	165.326331336945
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: sa_014_NA

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ sa_014_PP	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	4694
Max	5229
Mean	4879.076923076923
Std dev.	146.1254045200704
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: sa_014_PP

Set Data Source...

OK

Cancel

Apply

Layer Properties



- General
- Source
- Key Metadata
- Extent
- Display
- Symbology
- Fields
- Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ sa_014_SEA	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	4989
Max	5367
Mean	5154.636363636364
Std dev.	125.2463753785161
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: sa_014_SEA

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
Statistics	
sa_014_SIN	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5319
Max	5549
Mean	5463.846153846154
Std dev.	77.24079897076774
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: sa_014_SIN

Set Data Source...

OK

Cancel

Apply

Layer Properties



- General
- Source
- Key Metadata
- Extent
- Display
- Symbology
- Fields
- Joins & Relates

Property	Value
Datum	D_WGS_1984
☒ Statistics	
☒ SA_015A	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	5166
Max	5899
Mean	5423.126315789474
Std dev.	202.6037030024979
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: SA_015A

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ SA_015B	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5291
Max	5831
Mean	5485.173913043478
Std dev.	155.3657421505598
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_015B

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☒ Statistics	
☒ SA_016	
Build Parameters	skipped columns:1, rows:1, ignored value(s):
Min	5248
Max	6406
Mean	5669.087378640777
Std dev.	277.7915040837256
Classes	0

Data Source

Data Type: File System Raster
 Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
 Raster: SA_016

Set Data Source...

OK

Cancel

Apply

Layer Properties



General Source Key Metadata Extent Display Symbology Fields Joins & Relates

Property	Value
Datum	D_WGS_1984
☐ Statistics	
☐ SA_017	
Build Parameters	skipped columns: 1, rows: 1, ignored value(s):
Min	5067
Max	6966
Mean	5692.182403433477
Std dev.	377.8427433476106
Classes	0

Data Source

Data Type: File System Raster
Folder: G:\2016\16-0085\GIS\Rainfall\24Hour_100Year_PDS
Raster: SA_017

Set Data Source...

OK

Cancel

Apply