

## 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**

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**PF tabular**

| <b>PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)<sup>1</sup></b> |                                            |                               |                               |                               |                               |                               |                               |                               |                               |                              |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| <b>Duration</b>                                                                                                | <b>Average recurrence interval (years)</b> |                               |                               |                               |                               |                               |                               |                               |                               |                              |
|                                                                                                                | <b>1</b>                                   | <b>2</b>                      | <b>5</b>                      | <b>10</b>                     | <b>25</b>                     | <b>50</b>                     | <b>100</b>                    | <b>200</b>                    | <b>500</b>                    | <b>1000</b>                  |
| <b>5-min</b>                                                                                                   | <b>0.107</b><br>(0.089-0.130)              | <b>0.142</b><br>(0.118-0.172) | <b>0.192</b><br>(0.160-0.233) | <b>0.238</b><br>(0.196-0.292) | <b>0.309</b><br>(0.246-0.392) | <b>0.371</b><br>(0.289-0.481) | <b>0.441</b><br>(0.335-0.587) | <b>0.523</b><br>(0.386-0.717) | <b>0.651</b><br>(0.460-0.931) | <b>0.766</b><br>(0.523-1.14) |
| <b>10-min</b>                                                                                                  | <b>0.154</b><br>(0.128-0.186)              | <b>0.203</b><br>(0.169-0.246) | <b>0.275</b><br>(0.229-0.334) | <b>0.341</b><br>(0.281-0.418) | <b>0.443</b><br>(0.352-0.562) | <b>0.531</b><br>(0.414-0.689) | <b>0.633</b><br>(0.481-0.842) | <b>0.750</b><br>(0.554-1.03)  | <b>0.934</b><br>(0.660-1.33)  | <b>1.10</b><br>(0.749-1.63)  |
| <b>15-min</b>                                                                                                  | <b>0.186</b><br>(0.155-0.225)              | <b>0.245</b><br>(0.204-0.297) | <b>0.333</b><br>(0.277-0.405) | <b>0.412</b><br>(0.340-0.506) | <b>0.535</b><br>(0.426-0.679) | <b>0.643</b><br>(0.501-0.833) | <b>0.765</b><br>(0.581-1.02)  | <b>0.907</b><br>(0.669-1.24)  | <b>1.13</b><br>(0.798-1.61)   | <b>1.33</b><br>(0.906-1.97)  |
| <b>30-min</b>                                                                                                  | <b>0.278</b><br>(0.232-0.337)              | <b>0.367</b><br>(0.306-0.445) | <b>0.498</b><br>(0.414-0.605) | <b>0.617</b><br>(0.509-0.757) | <b>0.801</b><br>(0.638-1.02)  | <b>0.962</b><br>(0.749-1.25)  | <b>1.15</b><br>(0.870-1.52)   | <b>1.36</b><br>(1.00-1.86)    | <b>1.69</b><br>(1.19-2.42)    | <b>1.99</b><br>(1.36-2.94)   |
| <b>60-min</b>                                                                                                  | <b>0.413</b><br>(0.344-0.499)              | <b>0.544</b><br>(0.454-0.660) | <b>0.739</b><br>(0.614-0.898) | <b>0.915</b><br>(0.754-1.12)  | <b>1.19</b><br>(0.945-1.51)   | <b>1.43</b><br>(1.11-1.85)    | <b>1.70</b><br>(1.29-2.26)    | <b>2.01</b><br>(1.49-2.76)    | <b>2.51</b><br>(1.77-3.58)    | <b>2.95</b><br>(2.01-4.37)   |
| <b>2-hr</b>                                                                                                    | <b>0.598</b><br>(0.499-0.724)              | <b>0.759</b><br>(0.633-0.920) | <b>0.991</b><br>(0.823-1.20)  | <b>1.20</b><br>(0.986-1.47)   | <b>1.50</b><br>(1.20-1.91)    | <b>1.77</b><br>(1.38-2.29)    | <b>2.06</b><br>(1.56-2.73)    | <b>2.38</b><br>(1.76-3.26)    | <b>2.88</b><br>(2.03-4.11)    | <b>3.31</b><br>(2.25-4.89)   |
| <b>3-hr</b>                                                                                                    | <b>0.734</b><br>(0.612-0.888)              | <b>0.920</b><br>(0.767-1.11)  | <b>1.18</b><br>(0.984-1.44)   | <b>1.42</b><br>(1.17-1.74)    | <b>1.76</b><br>(1.40-2.23)    | <b>2.04</b><br>(1.59-2.65)    | <b>2.35</b><br>(1.79-3.13)    | <b>2.70</b><br>(1.99-3.70)    | <b>3.22</b><br>(2.27-4.60)    | <b>3.65</b><br>(2.49-5.41)   |
| <b>6-hr</b>                                                                                                    | <b>1.05</b><br>(0.876-1.27)                | <b>1.31</b><br>(1.09-1.58)    | <b>1.66</b><br>(1.38-2.02)    | <b>1.97</b><br>(1.62-2.41)    | <b>2.41</b><br>(1.92-3.06)    | <b>2.77</b><br>(2.15-3.59)    | <b>3.15</b><br>(2.39-4.19)    | <b>3.57</b><br>(2.63-4.89)    | <b>4.17</b><br>(2.95-5.97)    | <b>4.67</b><br>(3.19-6.92)   |
| <b>12-hr</b>                                                                                                   | <b>1.41</b><br>(1.17-1.70)                 | <b>1.78</b><br>(1.48-2.15)    | <b>2.28</b><br>(1.90-2.77)    | <b>2.70</b><br>(2.23-3.31)    | <b>3.30</b><br>(2.63-4.18)    | <b>3.77</b><br>(2.94-4.89)    | <b>4.27</b><br>(3.24-5.68)    | <b>4.80</b><br>(3.54-6.57)    | <b>5.55</b><br>(3.92-7.93)    | <b>6.15</b><br>(4.20-9.11)   |
| <b>24-hr</b>                                                                                                   | <b>1.86</b><br>(1.65-2.15)                 | <b>2.42</b><br>(2.14-2.79)    | <b>3.16</b><br>(2.79-3.66)    | <b>3.78</b><br>(3.30-4.41)    | <b>4.64</b><br>(3.93-5.59)    | <b>5.32</b><br>(4.41-6.54)    | <b>6.02</b><br>(4.88-7.58)    | <b>6.76</b><br>(5.33-8.75)    | <b>7.80</b><br>(5.91-10.5)    | <b>8.63</b><br>(6.32-12.0)   |
| <b>2-day</b>                                                                                                   | <b>2.25</b><br>(2.00-2.60)                 | <b>2.99</b><br>(2.64-3.45)    | <b>3.99</b><br>(3.52-4.62)    | <b>4.84</b><br>(4.23-5.64)    | <b>6.03</b><br>(5.11-7.27)    | <b>6.99</b><br>(5.80-8.59)    | <b>7.99</b><br>(6.48-10.1)    | <b>9.07</b><br>(7.15-11.7)    | <b>10.6</b><br>(8.02-14.3)    | <b>11.8</b><br>(8.65-16.5)   |
| <b>3-day</b>                                                                                                   | <b>2.44</b><br>(2.16-2.81)                 | <b>3.27</b><br>(2.89-3.78)    | <b>4.42</b><br>(3.90-5.12)    | <b>5.41</b><br>(4.73-6.32)    | <b>6.83</b><br>(5.79-8.23)    | <b>7.99</b><br>(6.63-9.82)    | <b>9.21</b><br>(7.47-11.6)    | <b>10.5</b><br>(8.32-13.6)    | <b>12.5</b><br>(9.43-16.8)    | <b>14.0</b><br>(10.3-19.5)   |
| <b>4-day</b>                                                                                                   | <b>2.63</b><br>(2.33-3.03)                 | <b>3.56</b><br>(3.15-4.11)    | <b>4.85</b><br>(4.27-5.61)    | <b>5.95</b><br>(5.21-6.95)    | <b>7.55</b><br>(6.39-9.10)    | <b>8.85</b><br>(7.34-10.9)    | <b>10.2</b><br>(8.30-12.9)    | <b>11.8</b><br>(9.27-15.2)    | <b>13.9</b><br>(10.6-18.8)    | <b>15.7</b><br>(11.5-21.9)   |
| <b>7-day</b>                                                                                                   | <b>3.01</b><br>(2.66-3.47)                 | <b>4.10</b><br>(3.63-4.74)    | <b>5.61</b><br>(4.95-6.50)    | <b>6.91</b><br>(6.04-8.06)    | <b>8.77</b><br>(7.42-10.6)    | <b>10.3</b><br>(8.53-12.6)    | <b>11.9</b><br>(9.63-15.0)    | <b>13.6</b><br>(10.7-17.6)    | <b>16.1</b><br>(12.2-21.7)    | <b>18.1</b><br>(13.3-25.3)   |
| <b>10-day</b>                                                                                                  | <b>3.26</b><br>(2.89-3.76)                 | <b>4.47</b><br>(3.95-5.16)    | <b>6.13</b><br>(5.41-7.10)    | <b>7.55</b><br>(6.60-8.81)    | <b>9.58</b><br>(8.11-11.5)    | <b>11.2</b><br>(9.31-13.8)    | <b>13.0</b><br>(10.5-16.3)    | <b>14.8</b><br>(11.7-19.2)    | <b>17.5</b><br>(13.3-23.6)    | <b>19.7</b><br>(14.4-27.4)   |
| <b>20-day</b>                                                                                                  | <b>4.02</b><br>(3.56-4.64)                 | <b>5.57</b><br>(4.92-6.42)    | <b>7.67</b><br>(6.76-8.88)    | <b>9.46</b><br>(8.28-11.0)    | <b>12.0</b><br>(10.2-14.5)    | <b>14.0</b><br>(11.7-17.3)    | <b>16.2</b><br>(13.1-20.4)    | <b>18.5</b><br>(14.6-23.9)    | <b>21.8</b><br>(16.5-29.3)    | <b>24.4</b><br>(17.9-34.0)   |
| <b>30-day</b>                                                                                                  | <b>4.74</b><br>(4.19-5.46)                 | <b>6.57</b><br>(5.80-7.58)    | <b>9.05</b><br>(7.98-10.5)    | <b>11.2</b><br>(9.76-13.0)    | <b>14.1</b><br>(12.0-17.0)    | <b>16.5</b><br>(13.7-20.3)    | <b>19.0</b><br>(15.4-23.9)    | <b>21.7</b><br>(17.1-28.0)    | <b>25.4</b><br>(19.3-34.3)    | <b>28.5</b><br>(20.9-39.7)   |
| <b>45-day</b>                                                                                                  | <b>5.67</b><br>(5.02-6.54)                 | <b>7.84</b><br>(6.93-9.05)    | <b>10.8</b><br>(9.49-12.5)    | <b>13.2</b><br>(11.6-15.4)    | <b>16.7</b><br>(14.1-20.1)    | <b>19.5</b><br>(16.1-23.9)    | <b>22.4</b><br>(18.1-28.2)    | <b>25.4</b><br>(20.1-32.9)    | <b>29.8</b><br>(22.6-40.1)    | <b>33.3</b><br>(24.4-46.4)   |
| <b>60-day</b>                                                                                                  | <b>6.62</b><br>(5.86-7.63)                 | <b>9.08</b><br>(8.03-10.5)    | <b>12.4</b><br>(10.9-14.4)    | <b>15.2</b><br>(13.3-17.7)    | <b>19.1</b><br>(16.2-23.0)    | <b>22.2</b><br>(18.4-27.3)    | <b>25.4</b><br>(20.6-32.0)    | <b>28.9</b><br>(22.8-37.4)    | <b>33.8</b><br>(25.6-45.5)    | <b>37.7</b><br>(27.6-52.5)   |

<sup>1</sup> 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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