Berkeley, CA rainfall July 1, 2015 to January 27, 2016

January 27, 2016 UC Berkeley weather update

2015-16 Rain Year Berkeley and Richmond

<table>
<thead>
<tr>
<th>Date</th>
<th>Berkeley YTD</th>
<th>30 day month</th>
<th>7 day total</th>
<th>LBNL YTD Richmond</th>
<th>Richmond YTD</th>
<th>30 day month</th>
<th>7 day week</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/1-10/31/15</td>
<td>0.05</td>
<td>0.05</td>
<td>0.15</td>
<td>0.15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/1/2015</td>
<td>0.56</td>
<td>0.61</td>
<td>0.63</td>
<td>0.78</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/9/2015</td>
<td>0.46</td>
<td>1.07</td>
<td>0.56</td>
<td>1.34</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/15/2015</td>
<td>0.26</td>
<td>1.33</td>
<td>0.45</td>
<td>1.79</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/24-25/15</td>
<td>0.09</td>
<td>1.42</td>
<td>0.19</td>
<td>1.98</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/2/2015</td>
<td>0.36</td>
<td>1.78</td>
<td>0.45</td>
<td>2.43</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/6-7/2015</td>
<td>0.04</td>
<td>1.82</td>
<td>0.09</td>
<td>2.52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/10-11/2015</td>
<td>0.39</td>
<td>2.21</td>
<td>0.88</td>
<td>3.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/13/2015</td>
<td>0.79</td>
<td>3</td>
<td>1</td>
<td>4.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/18-21/15</td>
<td>1.96</td>
<td>4.96</td>
<td>2.13</td>
<td>6.53</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/21 noon-22/15 am</td>
<td>0.62</td>
<td>5.58</td>
<td>0.5</td>
<td>7.03</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/22/2015</td>
<td>0.09</td>
<td>5.67</td>
<td>0.02</td>
<td>7.05</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/23-24/15</td>
<td>0.12</td>
<td>5.79</td>
<td>0.29</td>
<td>7.36</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/28/2015</td>
<td>0.05</td>
<td>5.84</td>
<td>0.02</td>
<td>7.38</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/30/2015</td>
<td>0.01</td>
<td>5.85 4.07</td>
<td>7.2</td>
<td>0.03</td>
<td>7.41</td>
<td>4.98</td>
<td></td>
</tr>
<tr>
<td>1/4/2016</td>
<td>0.13</td>
<td>5.98</td>
<td>0.1</td>
<td>7.51</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/5/2016</td>
<td>1</td>
<td>6.98</td>
<td>1.41</td>
<td>8.82</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/6-7/2016</td>
<td>1.45</td>
<td>8.43</td>
<td>6.61</td>
<td>8.48</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/9/2016</td>
<td>0.06</td>
<td>8.49</td>
<td>0.12</td>
<td>11.04</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/13/2016</td>
<td>0.47</td>
<td>8.96</td>
<td>0.69</td>
<td>11.81</td>
<td>8.41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/14/2016</td>
<td>0.16</td>
<td>9.12</td>
<td>0.42</td>
<td>12.23</td>
<td>7.83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/15/2016</td>
<td>0.2</td>
<td>9.32</td>
<td>0.89</td>
<td>12.46</td>
<td>8.06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/16/2016</td>
<td>0.26</td>
<td>9.58</td>
<td>1.15</td>
<td>12.77</td>
<td>5.74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/17/2016</td>
<td>1.1</td>
<td>10.68</td>
<td>2.19</td>
<td>13.92</td>
<td>9.52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/18/2016</td>
<td>0.44</td>
<td>11.12</td>
<td>2.63</td>
<td>14.49</td>
<td>10.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/19/2016</td>
<td>1.19</td>
<td>12.31</td>
<td>3.35</td>
<td>15.83</td>
<td>9.3</td>
<td>4.02</td>
<td></td>
</tr>
<tr>
<td>1/22/2016</td>
<td>0.45</td>
<td>12.76</td>
<td>3.64</td>
<td>16.26</td>
<td>9.23</td>
<td>4.03</td>
<td></td>
</tr>
<tr>
<td>1/23/2016</td>
<td>0.02</td>
<td>12.78</td>
<td>3.46</td>
<td>16.35</td>
<td>9.3</td>
<td>3.89</td>
<td></td>
</tr>
<tr>
<td>1/27/2016</td>
<td>0</td>
<td>12.78</td>
<td>0.47</td>
<td>16.35</td>
<td>9.01</td>
<td>0.52</td>
<td></td>
</tr>
<tr>
<td>QPF to 1/30/16</td>
<td>0.45</td>
<td>13.23</td>
<td>7.39</td>
<td>0.47</td>
<td>16.77</td>
<td>9.41</td>
<td>0.51</td>
</tr>
</tbody>
</table>

* QPF = NWS Quantitative Precipitation Forecast through Saturday noon

Current critical antecedent conditions status for UC Berkeley and BGC:
Both Berkeley campus and BGC are not fully primed for flooding-
seven day total is < 3” and no significant storm (2” in the next 24 hours
is forecast by NWS).
Current forecast January 27, 2016 noon

Probability of precipitation = 60% Friday.
Total rainfall through Saturday = 0.46 inches
Forecast synopsis (Wednesday 1/27/16)
A storm will bring rain to the Bay Area Friday and Saturday. For the Sierra a Winter Weather Advisory has been issued by the Sacramento NWS office with travel impacts for the entire weekend and snow levels rising to 8,000 feet then dropping to 4-5,000 feet.


Gusty northwest winds on Sunday and Monday may lead to a wind advisory being issued by NWS.

Weather continues to be unsettled through the week with the possibility of light precipitation and a cumulative 7 day precipitation forecast of up to 2 inches for Berkeley.

Long range forecasts (see following slides) show drier than normal conditions through early February with most of the rain continuing to be focused on the North Coast and Pacific Northwest
NCEP 6 – 10 day precipitation forecast

NCEP 8 – 14 day precipitation probability
NOAA GEFS Total Cumulative Precipitation January 27, 2016 through February 12, 2016
### DWR Reservoir Conditions - January 20 and January 27, 2016

#### Current Reservoir Conditions

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Capacity</th>
<th>% of Capacity</th>
<th>% Historical Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trinity Lake</td>
<td>24%</td>
<td>34%</td>
<td></td>
</tr>
<tr>
<td>Shasta Reservoir</td>
<td>40%</td>
<td>60%</td>
<td></td>
</tr>
<tr>
<td>Lake Oroville</td>
<td>39%</td>
<td>48%</td>
<td></td>
</tr>
<tr>
<td>Folsom Lake</td>
<td>33%</td>
<td>60%</td>
<td></td>
</tr>
<tr>
<td>New Melones</td>
<td>15%</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>Don Pedro Reservoir</td>
<td>37%</td>
<td>55%</td>
<td></td>
</tr>
<tr>
<td>Exchequer Reservoir</td>
<td>11%</td>
<td>23%</td>
<td></td>
</tr>
<tr>
<td>Millerton Lake</td>
<td>37%</td>
<td>63%</td>
<td></td>
</tr>
<tr>
<td>Pine Flat Reservoir</td>
<td>17%</td>
<td>39%</td>
<td></td>
</tr>
<tr>
<td>Pine Flat</td>
<td>36%</td>
<td>45%</td>
<td></td>
</tr>
<tr>
<td>Castaic Lake</td>
<td>35%</td>
<td>43%</td>
<td></td>
</tr>
<tr>
<td>Lake Perris</td>
<td>38%</td>
<td>45%</td>
<td></td>
</tr>
</tbody>
</table>

#### Conditions for Selected Reservoirs

- **Trinity Lake**: 26% (Total Cap.), 38% (Hist. Avg.)
- **Lake Shasta**: 48% (Total Cap.), 72% (Hist. Avg.)
- **Lake Oroville**: 39% (Total Cap.), 60% (Hist. Avg.)
- **Folsom Lake**: 42% (Total Cap.), 81% (Hist. Avg.)
- **New Melones**: 16% (Total Cap.), 25% (Hist. Avg.)
- **Don Pedro**: 33% (Total Cap.), 58% (Hist. Avg.)
- **Exchequer**: 13% (Total Cap.), 27% (Hist. Avg.)
- **San Luis**: 40% (Total Cap.), 41% (Hist. Avg.)
- **Millerton Lake**: 11% (Total Cap.), 41% (Hist. Avg.)
- **Pine Flat Reservoir**: 17% (Total Cap.), 39% (Hist. Avg.)

**LEGEND**
- **Blue Bar**: Storage level for date
- **Gold Bar**: Total reservoir capacity
- **Red Line**: Historic level for date

% of Capacity | % Historical Avg
---|---
Click for printable version of current data.
Historical Timing of Precipitation During Strong El Niño Years

Shown below are national-scale composites of monthly precipitation during historical strong El Niño winter seasons, expressed as anomalies from long-term averages. Strong El Niño conditions may provide some guidance for preparing seasonal precipitation outlooks in parts of the U.S. at certain times of the year, but El Niño is not the only factor influencing the climate system. Each winter season is unique, and past performance should not be taken as a guarantee of future outcomes.

Precipitation All Strong El Niño Month by Month

Figure courtesy of National Weather Service's San Diego Weather Forecast Office. Download a PDF version of the graphic.

http://www.water.ca.gov/waterconditions/waterconditions.cfm