Streamflow Conditions in Washington State -- Updated February 4, 2015

Presented to The Washington State Water Supply Availability Committee on February 5, 2015

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http://wa.water.usgs.gov
Drought Monitor Maps

October 28, 2014

U.S. Drought Monitor

October 28, 2014
(Released Thursday, Oct. 30, 2014)
Valid 8 a.m. EDT

Author:
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http://droughtmonitor.unl.edu/

January 27, 2015

U.S. Drought Monitor

January 27, 2015
(Released Thursday, Jan. 29, 2015)
Valid 7 a.m. EST

Author:
Brian Fuchs
National Drought Mitigation Center

http://droughtmonitor.unl.edu/
Daily streamflow compared to historical streamflow for 45 days prior to February 4, 2015
Currently, statewide average flows are normal.
Index Gaging Stations
(Stations that measure natural or near-natural streamflow)
Index Gaging Stations, 7-day average streamflow

1. N.F. Nooksack R. nr. Glacier: Above normal
   - 12205000

2. Quinault R. at Quinault Lk:
   - Normal
   - 12039500

3. Puyallup R. nr. Orting:
   - Normal
   - 12093500

4. Chehalis R. nr. Grand Mound:
   - Normal
   - 12027500

5. E.F.K. Lewis R. nr. Heisson:
   - Below normal
   - 14222500

6. American R. nr. Nile:
   - Normal
   - 12488500

7. Hangman Ck. at Spokane:
   - Normal
   - 12424000

8. Walla Walla R. nr. Touchet:
   - Normal
   - 14018500

Explanation - Percentile classes:

- Lowest 10th percentile
- 5
- 10-24
- 25-75
- 76-90
- 95
- 90th percentile - highest

Legend:
- Much below Normal
- Below normal
- Normal
- Above normal
- Much above normal
7-day Average Streamflow for Selected Rivers on the Olympic Peninsula with Natural Streamflow and 30 or More Years of Record

- Hoh River, 12041200
- Calawah River, 12043000
- Hoko River, 12043300
- Queets River, 12040500
- Quinault River, 12039500
- Dungeness River, 12048000
- Humptulips River, 12039005 (Note: 11 years of record)

Below normal:
- Hoh River, 12041200
- Calawah River, 12043000
- Hoko River, 12043300

Normal:
- Queets River, 12040500
- Quinault River, 12039500
- Dungeness River, 12048000
- Humptulips River, 12039005
(Note: 11 years of record)
Average Dec. 2014 and Jan. 2015 Streamflow

December 2014

January 2015

Explanation - Percentile classes

<table>
<thead>
<tr>
<th>Percentile</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10</td>
<td>Much below normal</td>
</tr>
<tr>
<td>10-24</td>
<td>Below normal</td>
</tr>
<tr>
<td>25-75</td>
<td>Normal</td>
</tr>
<tr>
<td>76-90</td>
<td>Above normal</td>
</tr>
<tr>
<td>&gt;90</td>
<td>Much above normal</td>
</tr>
<tr>
<td></td>
<td>High</td>
</tr>
</tbody>
</table>
Summary
Streamflow Conditions as of February 3, 2015

✓ 7-day average streamflow statewide is normal (between the 25th and 75th percentile)

✓ 7-day average streamflow in the northwestern Olympic Peninsula and the Willapa Bay and Deschutes River basins is below normal (between the 10th and 24th percentile)

Conditions at eight index gaging stations:

✓ 7-day average streamflow at five index gaging stations in eastern and western Washington is normal (between the 25th and 75th percentile)

✓ 7-day average streamflow at one index gaging station
  → in southwestern Washington is below normal (between the 10th and 24th percentile)
  → in northwestern Washington is above normal (between the 76th and 90th percentile)
  → draining a basin in the eastern Cascade Range is much above normal (greater than the 90th percentile)