Streamflow Conditions in Washington State -- Updated May 7, 2015

Presented to
The Washington State Water Supply Availability Committee
on
May 8, 2015

by
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http://wa.water.usgs.gov
Below Normal 7-day Average Streamflow

May 6, 2015
Daily streamflow compared to historical streamflow for 45 days prior to May 7, 2015
As of May 6, 2015, statewide 7-day average average flows are less than the 5th percentile, which is much below normal.
Index Gaging Stations

(Stations that measure natural or near-natural streamflow)

Quinault R. at Quinault Lk. 12039500
Chehalis R. nr. Grand Mound 12027500
E.Fk. Lewis R. nr. Heisson 14222500
N.Fk. Nooksack R. nr. Glacier 12205000
Puyallup R. nr. Orting 12093500
American R. nr. Nile 12488500
Hangman Ck. at Spokane 12424000
Walla Walla R. nr. Touchet 14018500
Index Gaging Stations, 7-day average streamflow (as of May 6, 2015)

- **Normal**
  - N.Fk. Nooksack R. nr. Glacier: 12205000
- **Below normal**
  - Hangman Ck. at Spokane: 12424000
- **Much below normal (1%)**
  - Quinault R. at Quinault Lk.: 12039500
- **Much below normal (7%)**
  - Puyallup R. nr. Orting: 12093500
  - American R. nr. Nile: 12488500
- **Much below normal (4%)**
  - Chehalis R. nr. Grand Mound: 12027500
  - E.Fk. Lewis R. nr. Haisson: 14222500
  - Walla Walla R. nr. Touchet: 14018500
7-day Average Streamflow for Selected Rivers on the Olympic Peninsula with Natural Streamflow and 30 or More Years of Record (as of May 6, 2015)

- Calawah River, 12043000
- Hoh River, 12041200
- Queets River, 12040500
- Quinault River, 12039500
- Dungeness River, 12048000
- Humptulips River, 12039005

(Note: 11 years of record)
Average March and April 2015 Streamflow

March 2015

April 2015

Explanation - Percentile classes

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<th>Low</th>
<th>&lt;10</th>
<th>10-24</th>
<th>25-75</th>
<th>76-90</th>
<th>&gt;90</th>
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Average April 2001, 2005 and 2015 Streamflow
(2001 & 2005 were previous years of statewide drought in Washington)
Summary: Streamflow Conditions as of May 6, 2015

✓ 7-day average streamflow statewide is much below normal (less than the 5th percentile)

✓ 7-day average streamflow in about half of the Olympic Peninsula is much below normal (ranging from the 1st to the 9th percentile)

✓ Conditions at eight index gaging stations:
  
  • 7-day average streamflow at five index gaging stations in eastern and western Washington is much below normal (ranging from the 1st to the 7th percentile)
  
  • 7-day average streamflow at two index gaging station in eastern and western Washington is below normal (between the 10th and 24th percentile)
  
  • 7-day average streamflow at one index gaging station in northwestern Washington is normal (between the 25th and 75th percentile)

✓ During April, the average streamflow was below or much below normal
  
  • in different spatial patterns in 2001, 2005 and 2015 (years of statewide drought in Washington)
  
  • in a larger area in 2015 than 2005