
Thurston County Water Purveyors Meeting
June 12, 2015
Mike Gallagher, Water Resources Program
Dungeness Flow – 2014 Water Year

But this is the snowmelt “bump” in flow last spring. Flow stayed above 400 cfs from May 1 to mid July. Then, as normal, streamflow declined over the rest of the summer.

This year (2015), there is no “snowmelt bump”

Flow last year on April 1 and May 1 was at approx 400 cfs
Current Flows in Rivers

early May vs early June

• Dungeness River, near Sequim
• Deschutes River, near Rainier
• Chehalis River, near Porter
• Wynoochee River, near Montesano
• Hoh River, near Forks
• Cowlitz River, near Randle
• Walla Walla River, near Touchet
• Nisqually River, near National
• Yakima River, near Union Gap
• Elwha River, near Port Angeles
Dungeness River – early May

[Graph showing discharge data for Dungeness River near Sequim, WA, with provisional data subject to revision.]
Dungeness River – early June

USGS 12048000 DUNGENESS RIVER NEAR SEQUIM, WA

Discharge, cubic feet per second

Jun 02 2015
Jun 03 2015
Jun 04 2015
Jun 05 2015
Jun 06 2015
Jun 07 2015
Jun 08 2015
Jun 09 2015

Triangle markers indicate median daily statistic (06 years).

--- Provisional Data Subject to Revision ---

DEPARTMENT OF
ECOLOGY
State of Washington
Deschutes River – early May

USGS 12079000 DESCHUTES RIVER NEAR RAINIER, WA

Provisional Data Subject to Revision

Median daily statistic (54 years) — Discharge
Deschutes River – early June
Chehalis River – early June

USGS 12031000 CHEHALIS RIVER AT PORTER, WA

Discharge, cubic feet per second


Provisional Data Subject to Revision

Median daily statistic (60 years) – Discharge
Wynoochee River – early May

USGS 12037400 WYNOOCHEE RIVER ABOVE BLACK CREEK NR MONTESANO, WA

- Provisional Data Subject to Revision

△ Median daily statistic (41 years) — Discharge
Wynoochee River – early June
Hoh River - early May

USGS 12041200 HOH RIVER AT US HIGHWAY 101 NEAR FORKS, WA

Discharge, cubic feet per second

--- Provisional Data Subject to Revision ---

△ Median daily statistic (54 years) — Discharge
Hoh River – early June

USGS 12041200 HOH RIVER AT US HIGHWAY 101 NEAR FORKS, WA

Discharge, cubic feet per second

--- Provisional Data Subject to Revision ---

△ Median daily statistic (54 years) — Discharge
Cowlitz River – early May

USGS 14231000 COWLITZ RIVER AT RANDLE, WA

Discharge, cubic feet per second

--- Provisional Data Subject to Revision ---

△ Median daily statistic (21 years) — Discharge
Cowlitz River – early June

USGS 14231000 COWLITZ RIVER AT RANDLE, WA

Discharge, cubic feet per second

--- Provisional Data Subject to Revision ---

△ Median daily statistic (21 years) — Discharge
Walla Walla River – early May

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△ Median daily statistic (63 years) — Discharge
Walla Walla River – early June
Nisqually River – early June

USGS 12082500 NISQUALLY RIVER NEAR NATIONAL, WA

Discharge, cubic feet per second

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△ Median daily statistic (73 years)  ★ Measured discharge

Discharge
Yakima River – early May

Pulse flow to stimulate out migration of Spring Chinook
Yakima River – early June
Elwha River - mid May

Discharge, cubic feet per second
Most recent instantaneous value: 731 05-20-2015 15:00 PDT

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△ Median daily statistic (100 years) — Discharge

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Daily discharge, cubic feet per second -- statistics for May 20 based on 100 years of record

<table>
<thead>
<tr>
<th>Most Recent Instantaneous Value May 20</th>
<th>Min (1899)</th>
<th>25th percentile</th>
<th>Median</th>
<th>Mean</th>
<th>75th percentile</th>
<th>Max (1956)</th>
</tr>
</thead>
<tbody>
<tr>
<td>731</td>
<td>880</td>
<td>1530</td>
<td>1990</td>
<td>2090</td>
<td>2480</td>
<td>5650</td>
</tr>
</tbody>
</table>
Elwha River – early June

USGS 12045500 ELWAHA RIVER AT MCDONALD BR NEAR PORT ANGELES, WA

Discharge, cubic feet per second

--- Provisional Data Subject to Revision ---

△ Median daily statistic (100 years) – Discharge
In Western WA, for the most part – this is a fish passage drought
Siebert Ck 28 May 2015
Trenching to connect channel

Siebert Ck 28 May 2015
Channel Reconnected
Coho smolts moved out, adult steelhead moved into creek

Many thanks to fisheries staff of Jamestown s’Klallam Tribe
Snow-water Equivalent – 2014 vs 2015 – same date