

# Lower Columbia Reservoir Update

Providing reservoir users with current data and weekly forecasts

APRIL 18, 2019

No. 16-19

The following forecast information is provided to federal, provincial and municipal officials, media and others who have expressed interest in receiving this information. **Forecast information is subject to change at any time if there are significant changes in the projected weather patterns in the Columbia basin, load requirements, Columbia River Treaty provisions and other variables during this period.**

NORMAL RESERVOIR LIMITS	FORECAST WATER LEVEL April 20, 2019	FORECAST WATER LEVEL April 27, 2019	EXPECTED 7-day TREND	EXPECTED 7-day CHANGE
<b>Arrow Lakes</b> 420 - 440.1 metres / 1378 – 1444 feet	432.0 metres 1417.2 feet	432.6 metres 1419.4 feet	↑	0.7 metres 2.2 feet
<b>Kootenay Lake</b>	530.2 metres 1739.6 feet	530.6 metres 1740.9 feet	↑	0.4 metres 1.3 feet
<b>Duncan</b> 546.9 - 576.7 metres / 1794 – 1892 feet	547.6 metres 1796.5 feet	548.2 metres 1798.6 feet	↑	0.6 metres 2.1 feet

↑ Increasing ↓ Decreasing N/C = No Change

\*totals may not add up due to rounding error

## WEEKLY AVERAGE DISCHARGE

<b>Arrow</b> 14.5 kcfs = 410 m <sup>3</sup> /s	<b>Brilliant</b> 27.7 kcfs = 786 m <sup>3</sup> /s	<b>Arrow &amp; Brilliant Combined</b> 42.2 kcfs = 1196 m <sup>3</sup> /s	<b>Duncan Dam</b> 2.2 kcfs = 64 m <sup>3</sup> /s
---	---	---	--

The current forecast runoff for April to September 2019 for the Columbia basin at The Dalles, Oregon is 95% of normal. For the same period in 2018, the observed runoff was 116% of normal. The actual elevation of the reservoirs is influenced by snowpack, inflow levels, weather patterns and other factors such as load requirements.

**Arrow Lakes Reservoir** is currently (April 18<sup>th</sup>) at about 431.75 metres (1416.5 feet) measured at the Fauquier gauge. The reservoir refilled by 0.54 metres (1.8 feet) in the past week. The reservoir is forecast to refill to reach about 432.8 metres (1420 feet) by the end of April. Note, however, that near and long-term forecasting is inherently uncertain due to the unpredictability of future events and conditions. The Arrow Lakes Reservoir reached its last maximum level of 439.73 metres (1442.7 feet, 1.3 feet from full) on July 13, 2018 and its latest minimum elevation of 429.7 metres (1409.7 feet) on 7 February, 2019.

**Duncan Reservoir** is currently (April 18<sup>th</sup>) about 547.45 metres (1796.1 feet) measured at the dam. The reservoir drafted by 0.41 metres (1.3 feet) in the past week. The reservoir is forecast to refill to about 548.3 metres (1799 feet) by the end of April. The Duncan Reservoir reached its last maximum level of 576.59 metres (1891.7 feet) on August 1, 2018, and its latest minimum elevation of 547.09 metres (1794.9 feet) on April 19, 2018.

For current reservoir levels, visit BC Hydro's [water flows and reservoir levels](#) page on our website. For additional information, or if you do not have access to the internet, please call **1-877-924-2444**.

Mary Anne Coules  
Stakeholder Engagement Advisor  
BC Hydro - Community Relations  
Thompson / Okanagan / Columbia Region  
Castlegar (Lower Columbia)  
Office: 250-365-4565  
Mobile: 250-608-1885  
Email: [Maryanne.coules@bchydro.com](mailto:Maryanne.coules@bchydro.com)

