



Arrowsmith Dam and Englishman River Weekly Report

September 29 to October 5, 2025

Summary

Arrowsmith Dam

Lake level (October 5): 810.0 m

Estimated volume (October 5): 2,000,000 m³

Weekly average release rate: 0.22 m³/s

Weekly total released volume: 130,070 m³

Englishman River

Weekly average baseflow estimate: 3.43 m³/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 3.65 m³/s

Weekly average ERWS intake withdrawal flow: 0.07 m³/s

Weekly total ERWS intake volume: 27,260 m³

Weekly average water temperature: 12.05 °C (roughly 130m downstream of intake)

Other

Snow water equivalent at station 3B26P (October 5): 0 mm

Total weekly rainfall at PWY: 20.0 mm

Total weekly rainfall at Community Park: 23.2 mm

East Vancouver Island Drought Level: 0

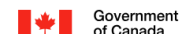
Comments

Operators slowly decreased the amount of flow being released from the dam over 6 days (Sept. 29-Oct. 4). The Dam is currently not releasing water but may have to be re-opened over the next week, as the river water level decreases.

Staff will continue to maintain a flow of 1.0m³/s at Water Survey of Canada (WSC) gauge 08HB002. Due to the need to keep the flow below 1.2m³/s, level 4 water conservation will continue to be in effect as per Order dated June 19, 2025 under the *Water Sustainability Act*, which authorized a reduction in flows at gauge 08HB002 to a minimum of 1.0m³/s until October 31, 2025.

The Order stipulates that water conservation level 3 must be enacted when flows fall below 1.6 m³/s but remain at or above 1.2m³/s, and Stage 4 be enacted when flows drop below 1.2m³/s.

Weather Forecast (Qualicum Airport)

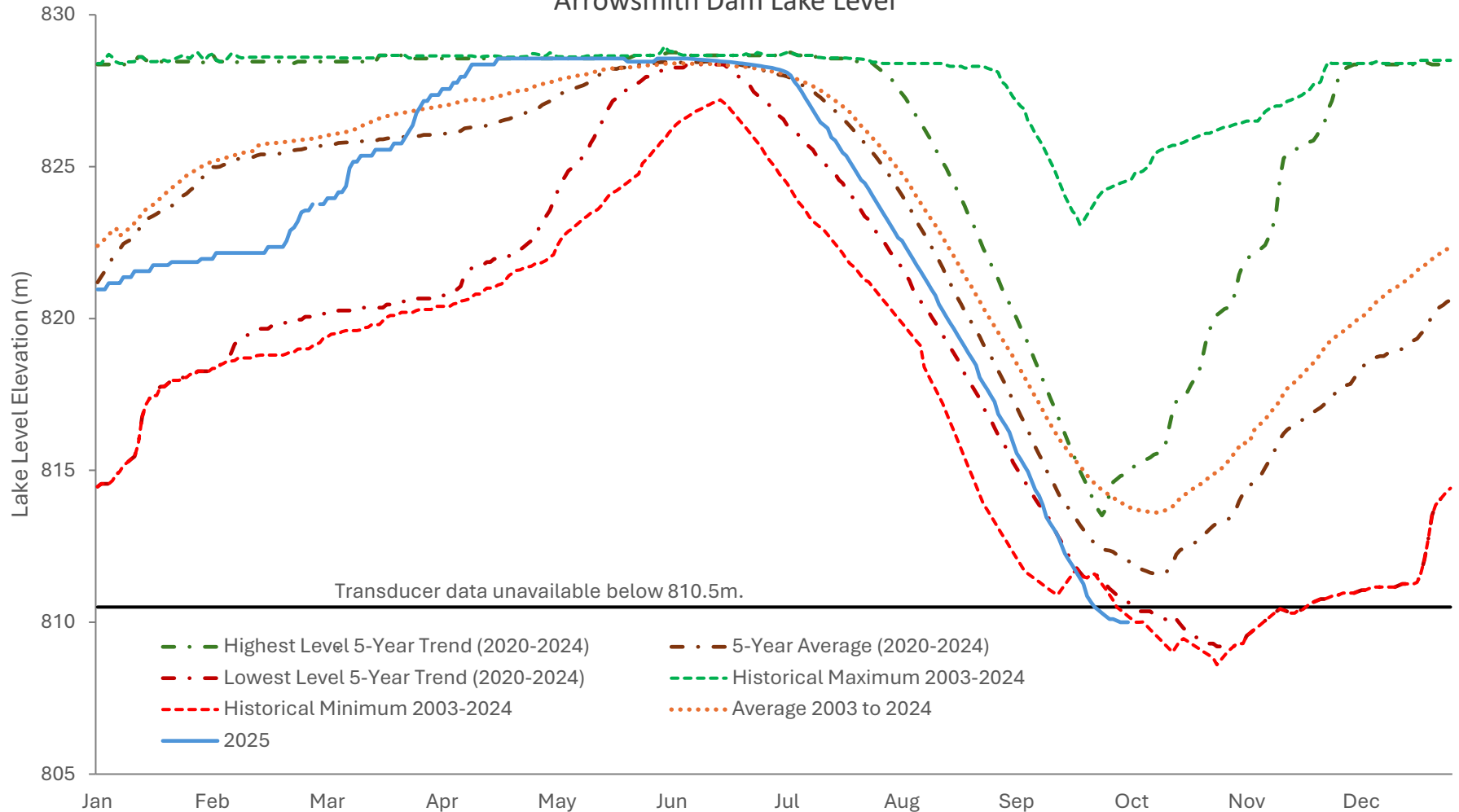


Mon 6 Oct	Tue 7 Oct	Wed 8 Oct	Thu 9 Oct	Fri 10 Oct	Sat 11 Oct	Sun 12 Oct
 17°C Sunny	 16°C Mainly sunny	 13°C 30% Chance of showers	 17°C Sunny	 17°C Sunny	 13°C 40% Chance of showers	 14°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 8°C Clear	 8°C Cloudy periods	 6°C Clear	 8°C Clear	 7°C 30% Chance of showers	 4°C Cloudy periods	

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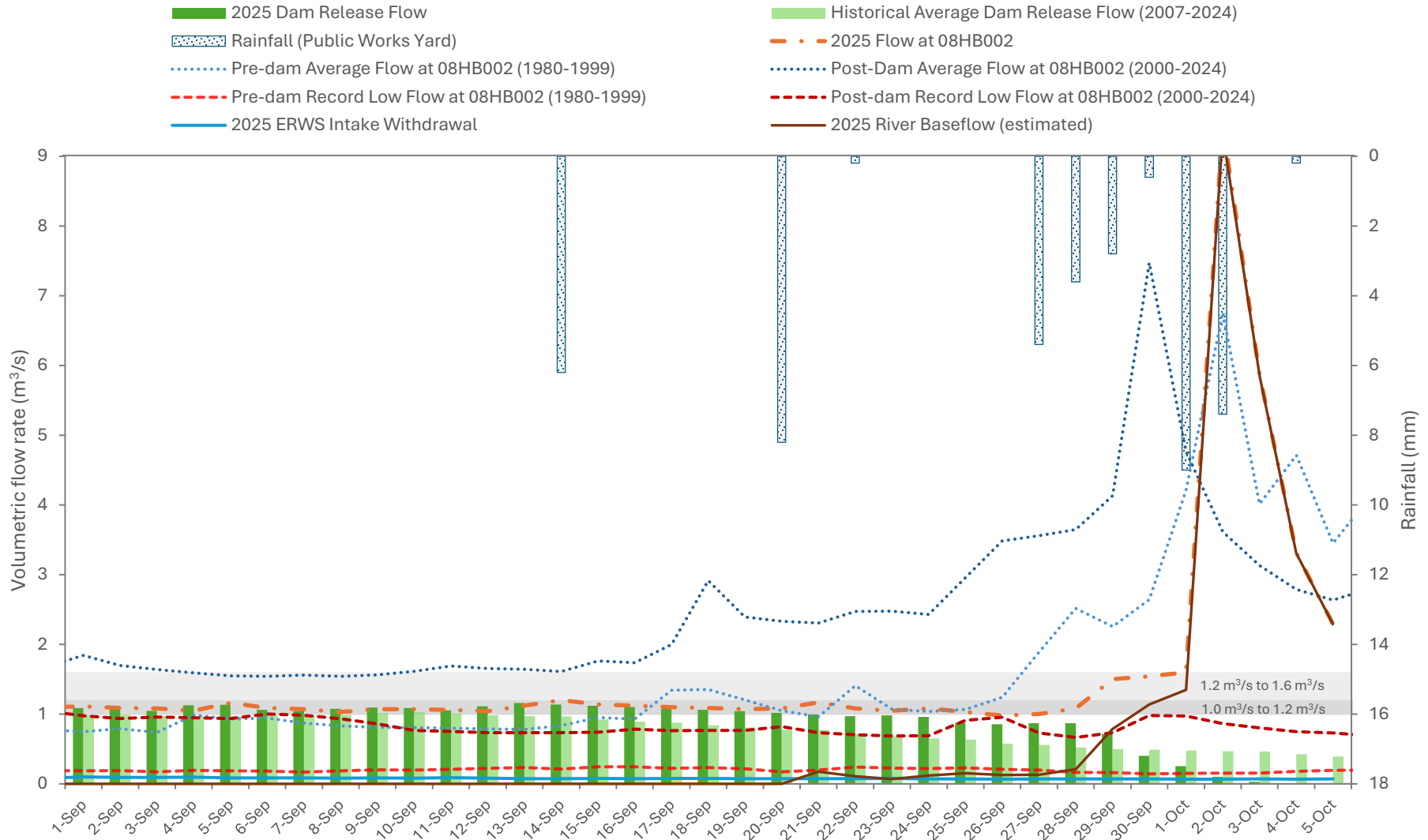
Arrowsmith Dam Lake Level



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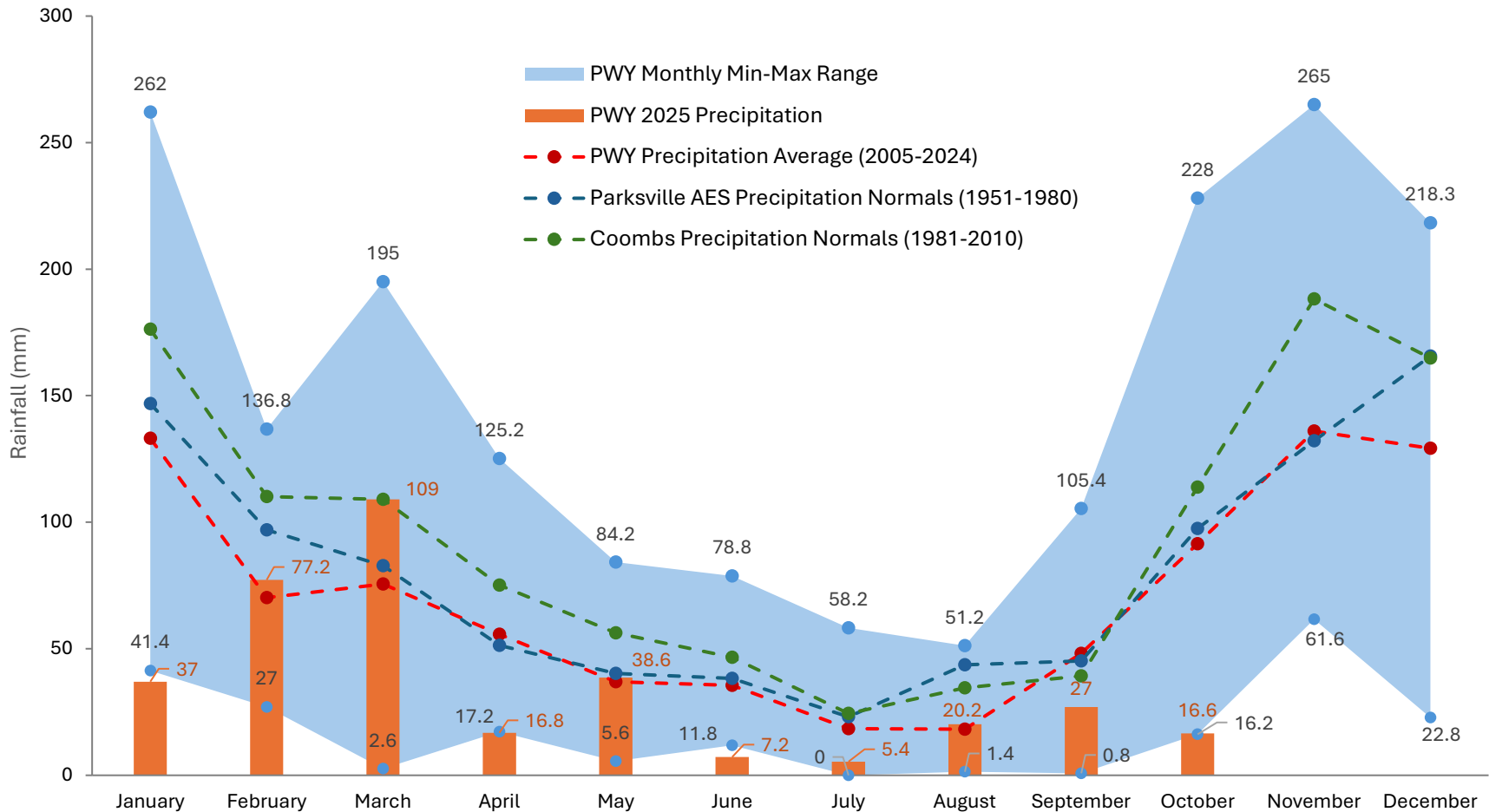
Volumetric Flow Rate and Rainfall



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Rainfall at Public Works Yard

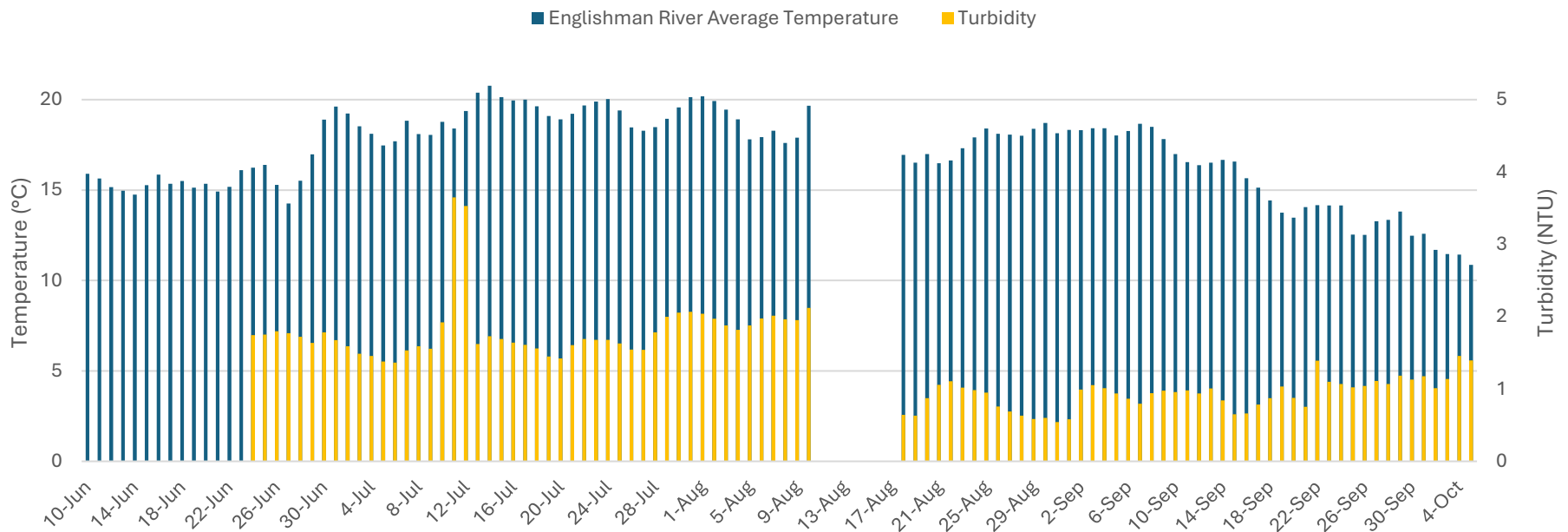


AES: Atmospheric Environment Service
PWY: Public Works Yard

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Englishman River Daily Temperature and Turbidity (Downstream of Intake)



Note: Temperature and turbidity sonde failed to log from August 11-17.
Turbidity sonde was calibrated on August 18.