



Arrowsmith Dam and Englishman River Weekly Report

October 6 to October 12, 2025

Summary

Arrowsmith Dam

Lake level (October 12): 810.3 m (estimated)

Estimated volume (October 12): 2,090,000 m³

Weekly average release rate: 0.0 m³/s

Weekly total released volume: 0 m³

Englishman River

Weekly average baseflow estimate: 1.33 m³/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.33 m³/s

Weekly average ERWS intake withdrawal flow: 0.07 m³/s

Weekly total ERWS intake volume: 27,500 m³

Other

Snow water equivalent at station 3B26P (October 12): 0 mm, dusting

Total weekly rainfall at PWY: 18.4 mm

Total weekly rainfall at Community Park: 15.4 mm

East Vancouver Island Drought Level: 0

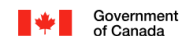
Comments

The Dam is currently not releasing water.

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)

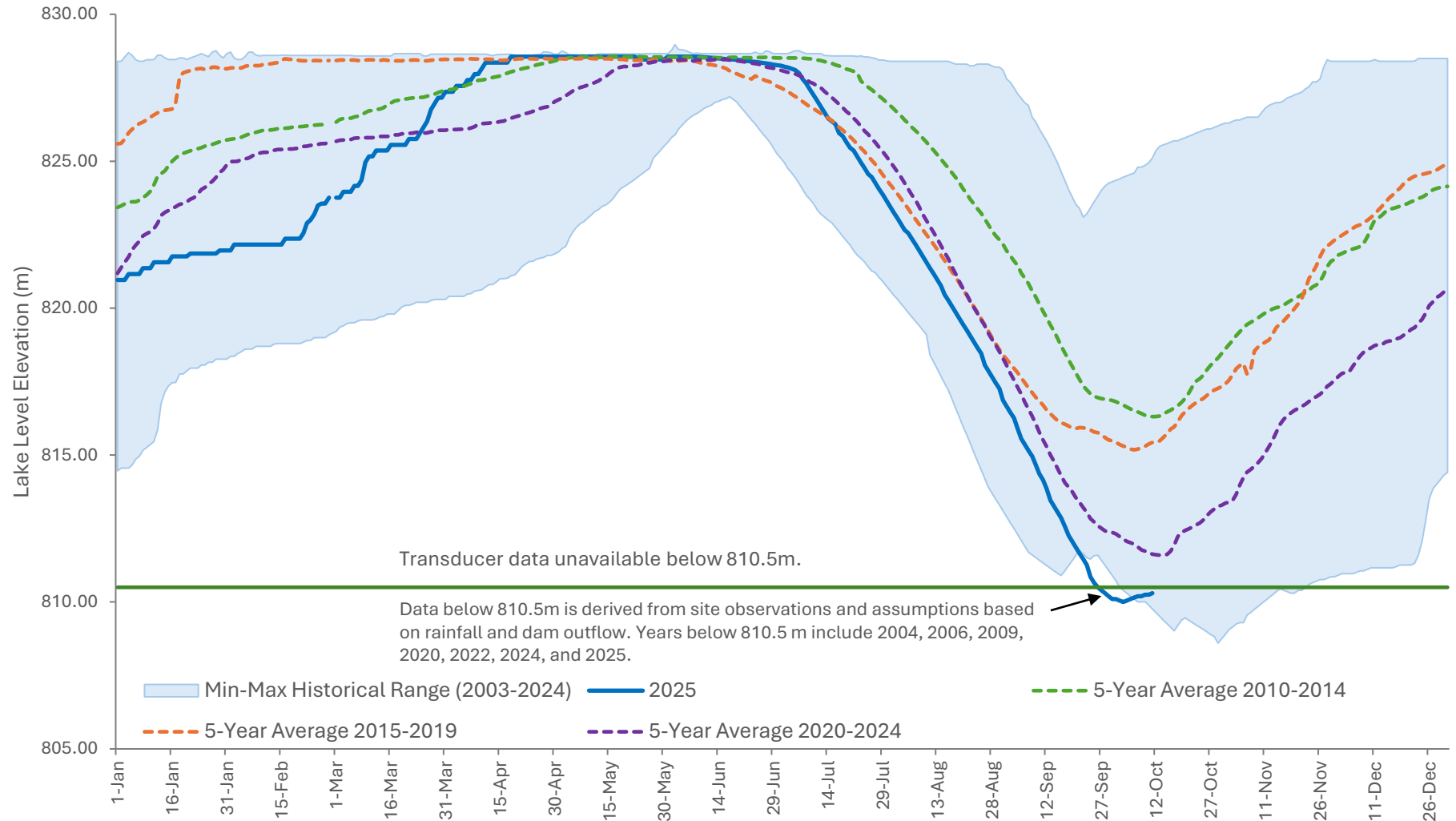


Tue 14 Oct	Wed 15 Oct	Thu 16 Oct	Fri 17 Oct	Sat 18 Oct	Sun 19 Oct	Mon 20 Oct
 15°C Sunny	 15°C Sunny	 11°C A mix of sun and cloud	 12°C Sunny	 12°C Rain	 12°C 60% Chance of showers	 12°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 5°C Clear	 6°C Clear	 7°C 40% Chance of showers	 8°C Rain	 7°C Rain	 5°C Cloudy periods	

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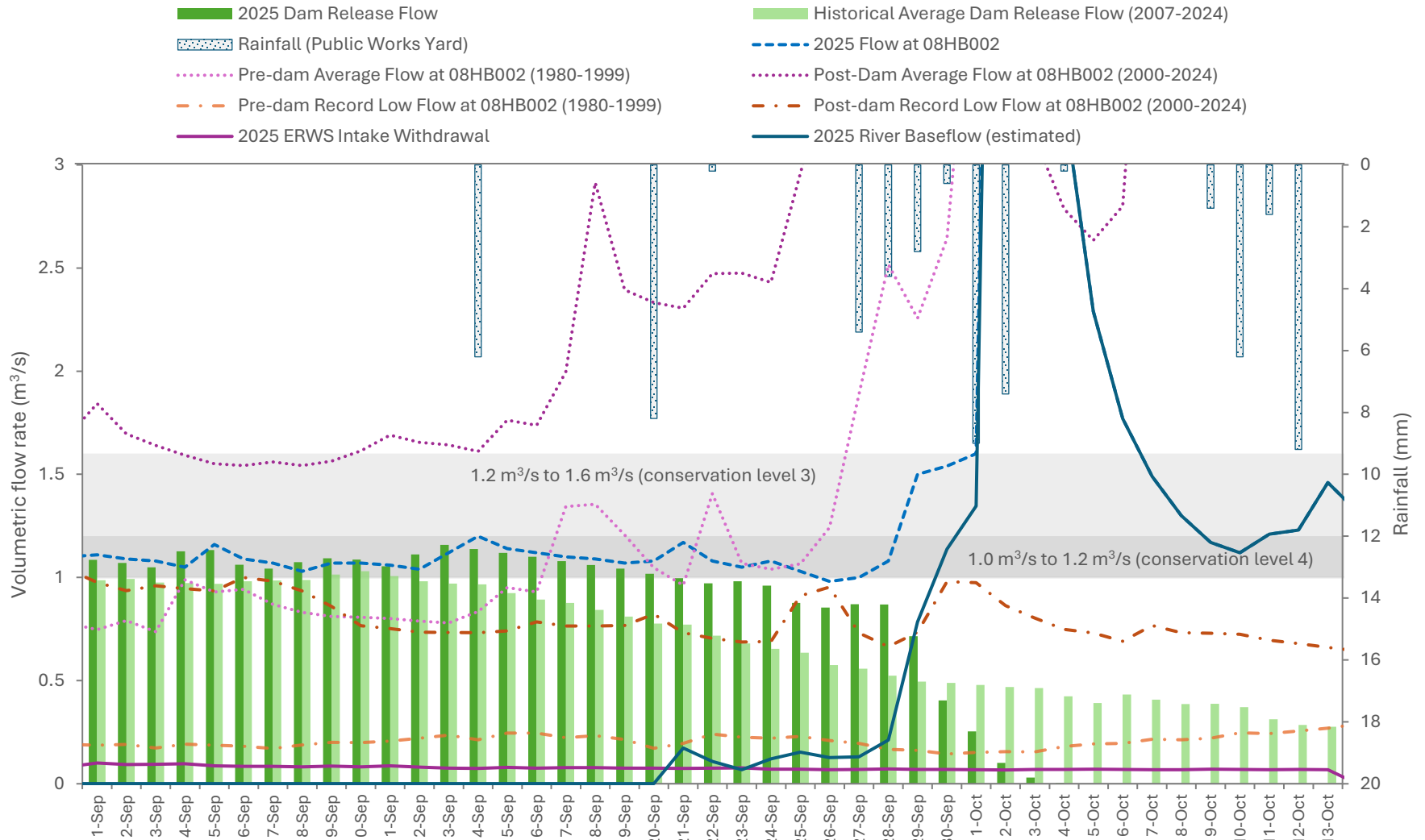
Arrowsmith Dam Lake Level



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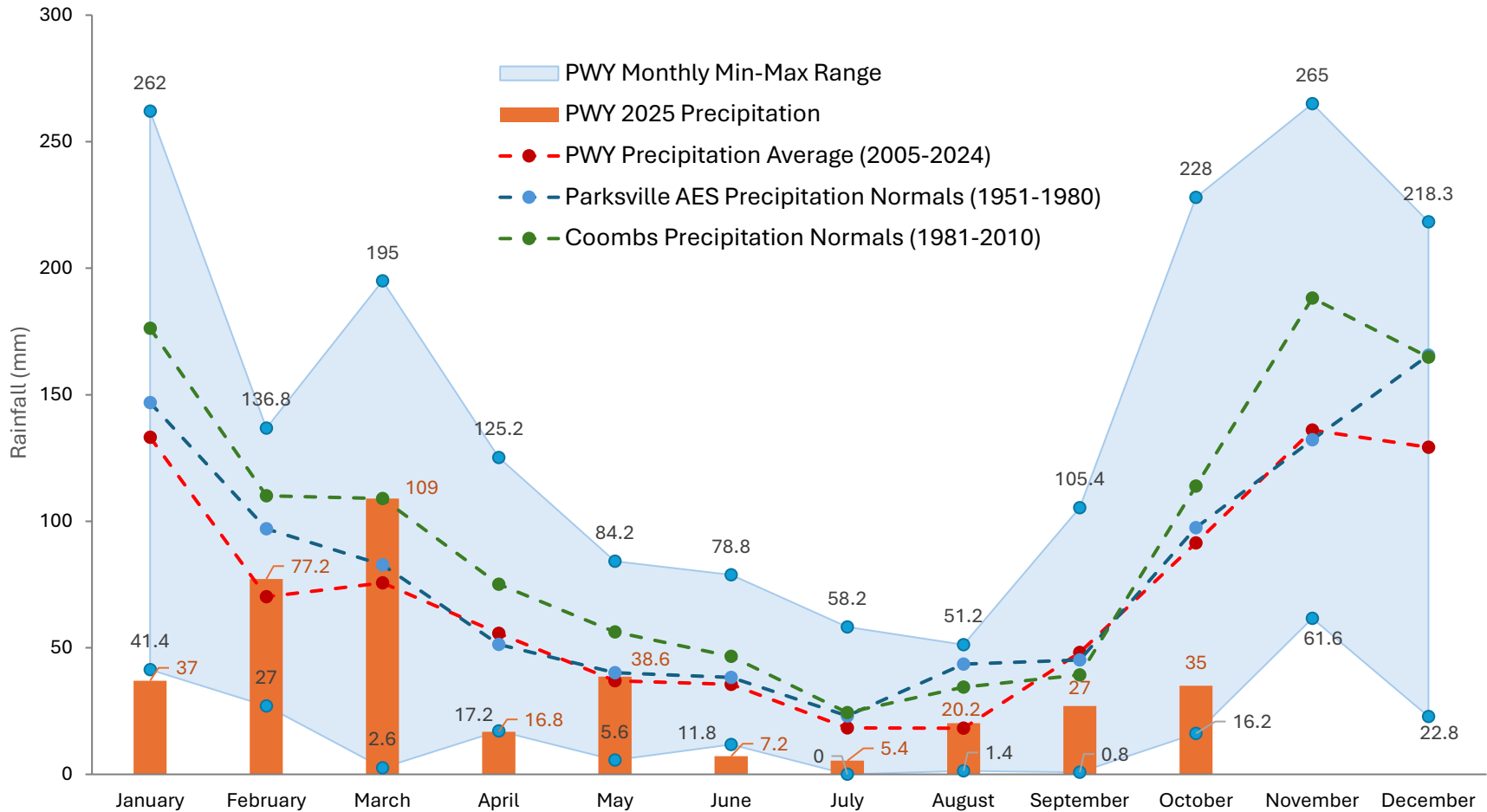
Volumetric Flow Rate and Rainfall



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Rainfall at Public Works Yard

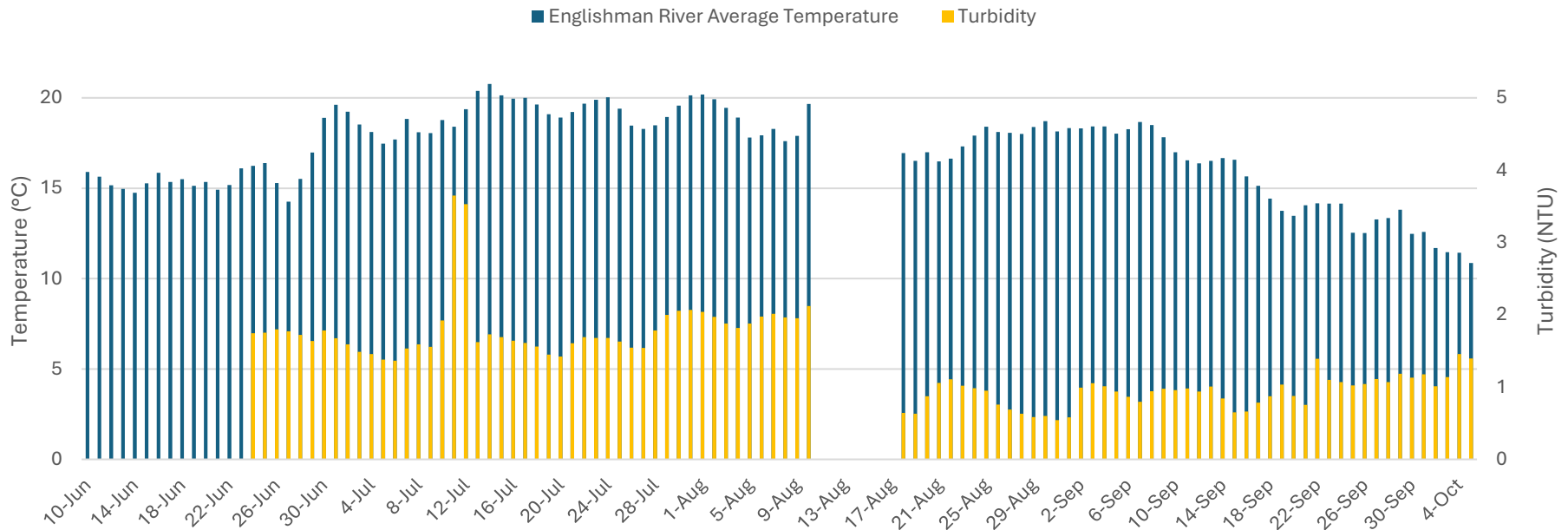


AES: Atmospheric Environment Service
PWY: Public Works Yard

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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, and October 6-15.
Turbidity sonde was calibrated on August 18.