

Arrowsmith Dam and Englishman River Weekly Report

September 1 to September 7, 2025

Summary

Arrowsmith Dam

Lake level (September 7): 815.16 m

Estimated volume (September 7): 3,620,000 m³

Weekly average release rate: 1.08 m³/s

Weekly total released volume: 653,880 m³

Englishman River

Weekly average baseflow estimate: 0.0 m³/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.04 m³/s

Weekly average ERWS intake withdrawal flow: 0.09 m³/s

Weekly total ERWS intake volume: 49,150 m³

Weekly average water temperature: 18.35 °C (roughly 130m downstream of intake)

Other

Snow water equivalent at station 3B26P (September 7): 0 mm

Total weekly rainfall at PWY: 0 mm

Total weekly rainfall at Community Park: 0 mm

East Vancouver Island Drought Level: 2

Comments

Dam lake level 2.9m below historical average on September 7.

On September 7, the Englishman River flow at WSC gauge 08HB002 was 35.2% below post-dam average (2000-2024), and 19.4% below historical average (1980-2024).

Staff will continue to maintain a flow of 1.0 m³/s at gauge WSC 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*.

Weather Forecast (Qualicum Airport)

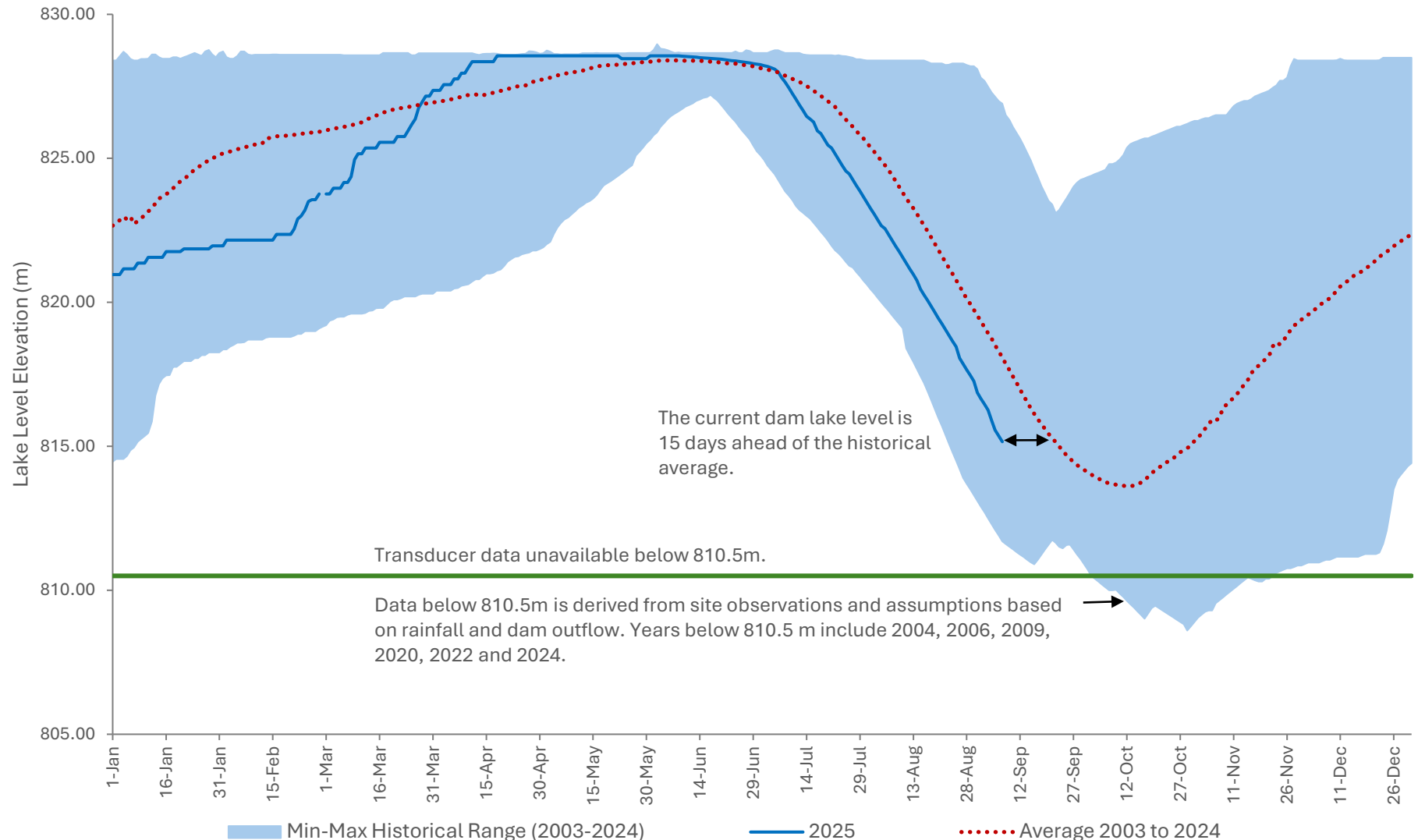


Mon 8 Sep	Tue 9 Sep	Wed 10 Sep	Thu 11 Sep	Fri 12 Sep	Sat 13 Sep	Sun 14 Sep
 21°C 30% Chance of showers	 22°C A mix of sun and cloud	 24°C Sunny	 22°C Sunny	 19°C Cloudy	 19°C 60% Chance of showers	 20°C 60% Chance of showers
Tonight	Night	Night	Night	Night	Night	
 13°C Partly cloudy	 14°C Clear	 13°C Clear	 15°C Cloudy	 14°C 60% Chance of showers	 13°C 60% Chance of showers	

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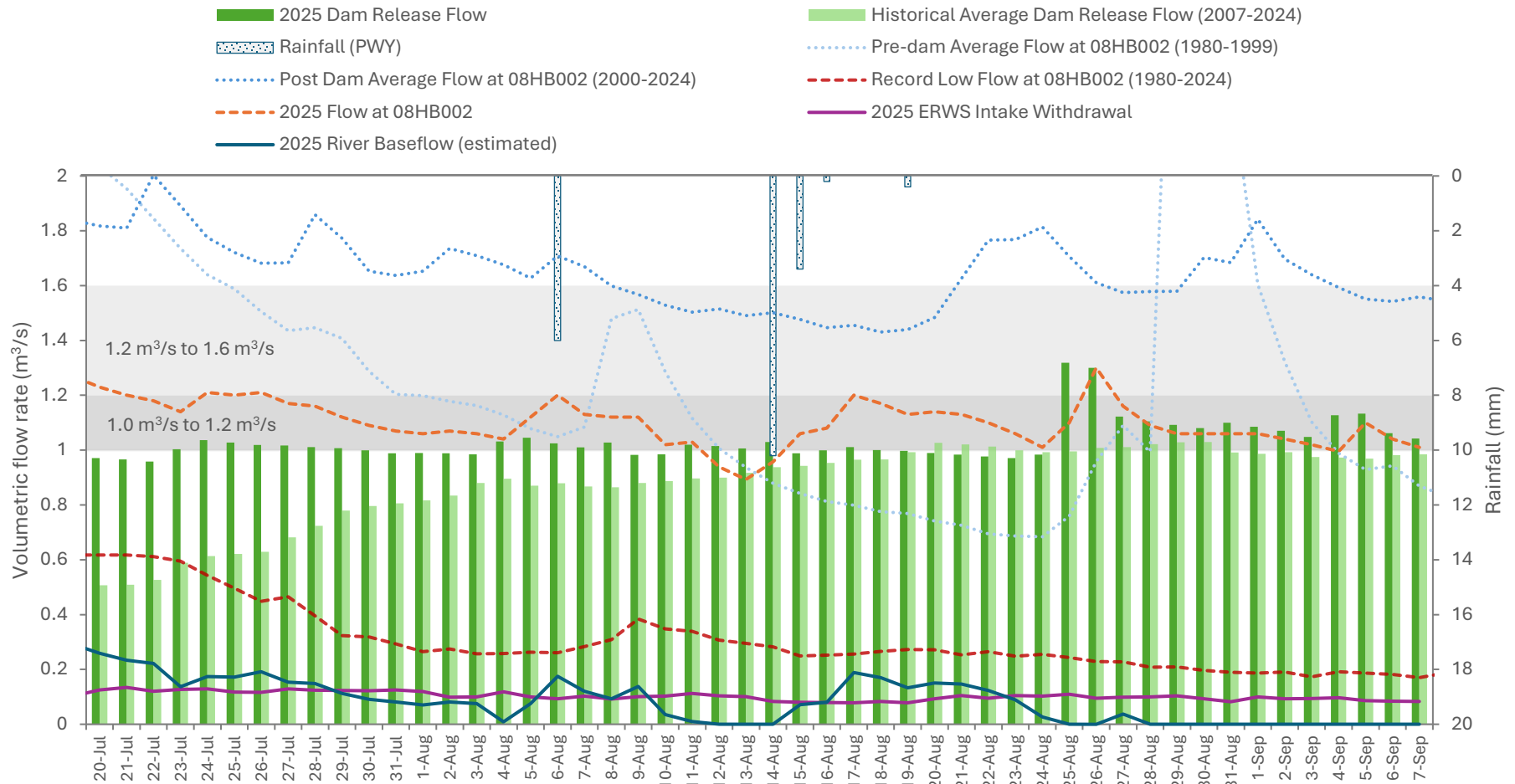
Arrowsmith Dam Lake Level



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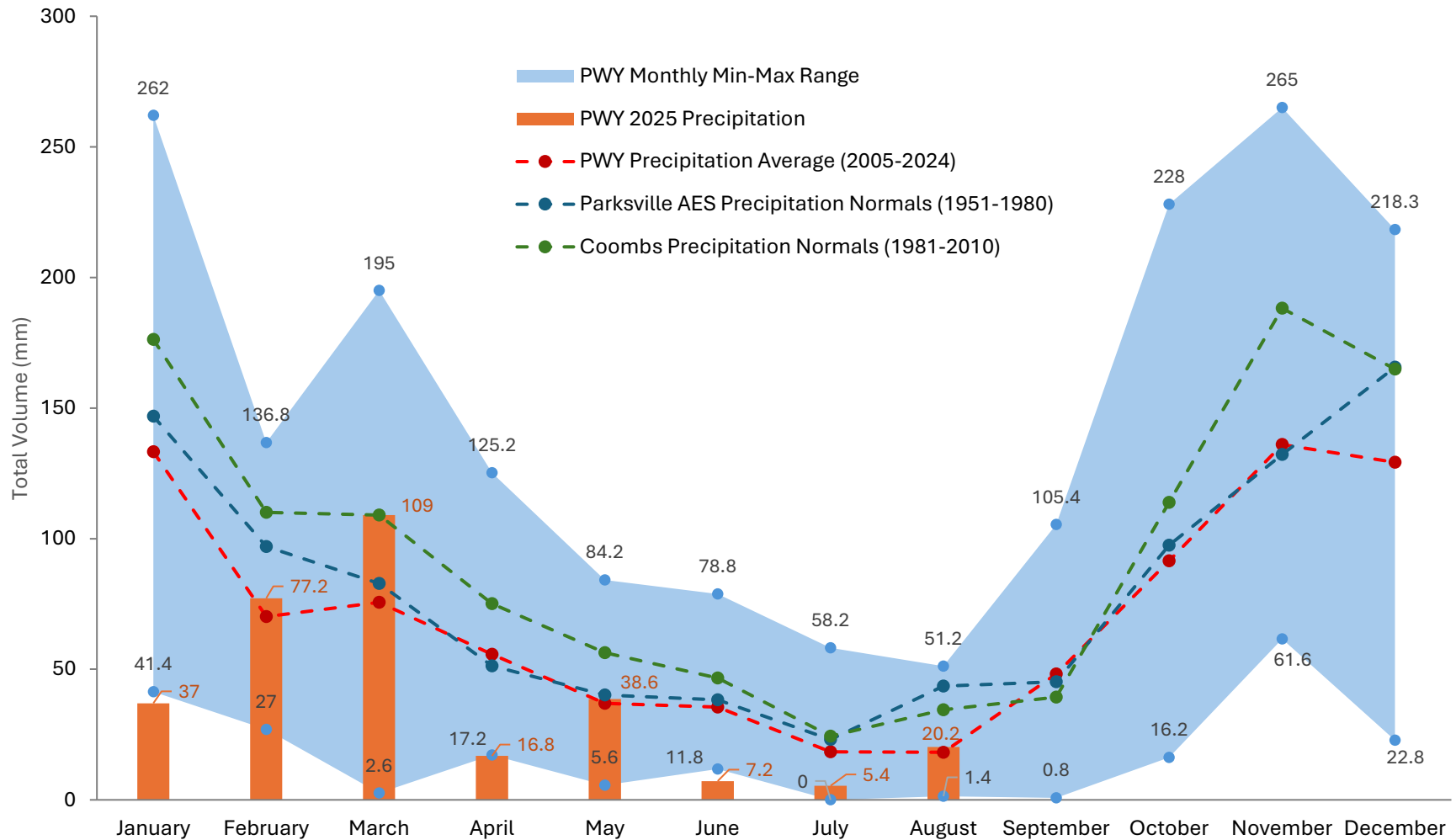
Historical average and current Arrowsmith Dam release flow (m^3/s), pre-dam average, post dam average, record low and current Englishman River flow (m^3/s) at WSC hydrometric gauge 08HB002, ERWS intake withdrawal (m^3/s), river baseflow (m^3/s) and rainfall (mm)



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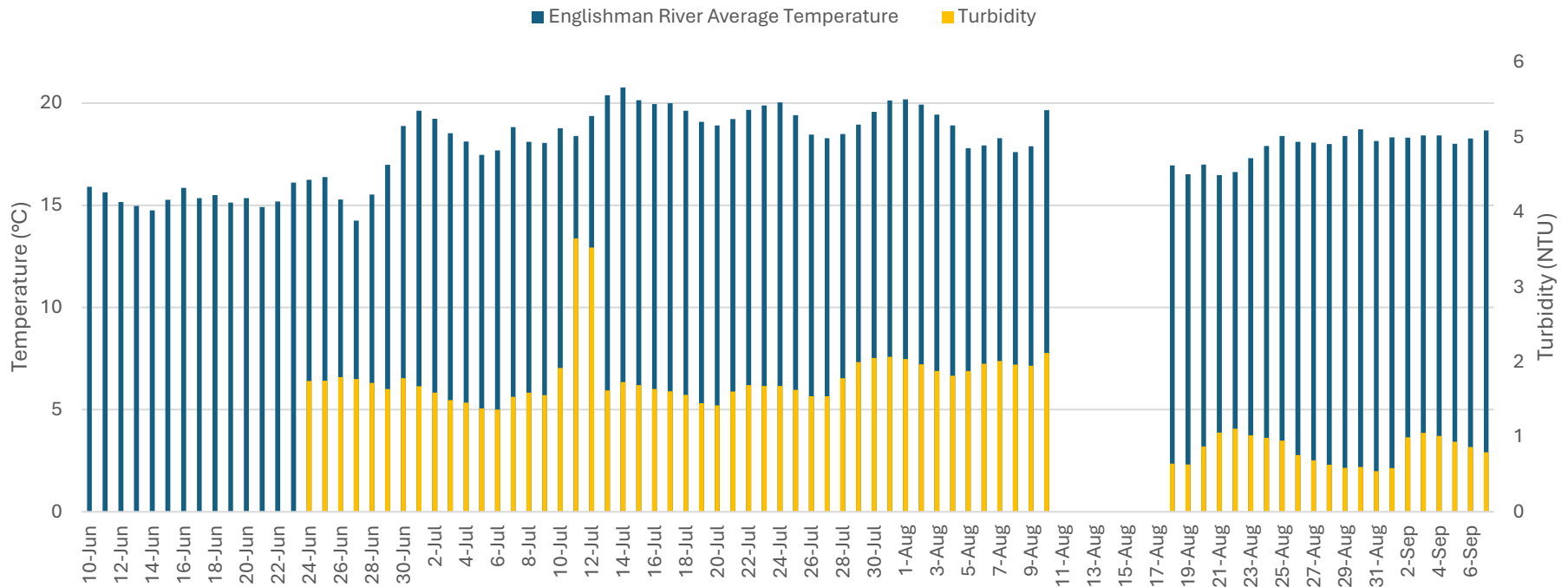
Local Precipitation (Public Works Yard)



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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.