



# Arrowsmith Dam and Englishman River Weekly Report

August 25 to August 31, 2025

## Summary

### Arrowsmith Dam

Lake level (August 31): 816.86 m

Estimated volume (August 31): 4,260,000 m<sup>3</sup>

Weekly average release rate: 1.16 m<sup>3</sup>/s

Weekly total released volume: 701,345 m<sup>3</sup>

### Englishman River

Weekly average baseflow estimate: 0.01 m<sup>3</sup>/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.12 m<sup>3</sup>/s

Weekly average ERWS intake withdrawal flow: 0.10 m<sup>3</sup>/s

Weekly total ERWS intake volume: 53,660 m<sup>3</sup>

Weekly average water temperature: 18.26 °C (roughly 130m downstream of intake)

### Other

Snow water equivalent at station 3B26P (August 31): 0 mm

Total weekly rainfall at PWY: 0 mm

Total weekly rainfall at Community Park: 0 mm

East Vancouver Island Drought Level: 1

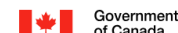
## Comments














Dam lake level 2.7m below historical average on August 31.

On August 31, the Englishman River flow at WSC gauge 08HB002 was 36.1% below post-dam average (2000-2024), and 45.8% below historical average (1980-2024).

**Staff will continue to maintain a flow of 1.0 m<sup>3</sup>/s at gauge WSC 08HB002. Due to the need to keep the flow below 1.2m<sup>3</sup>/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)

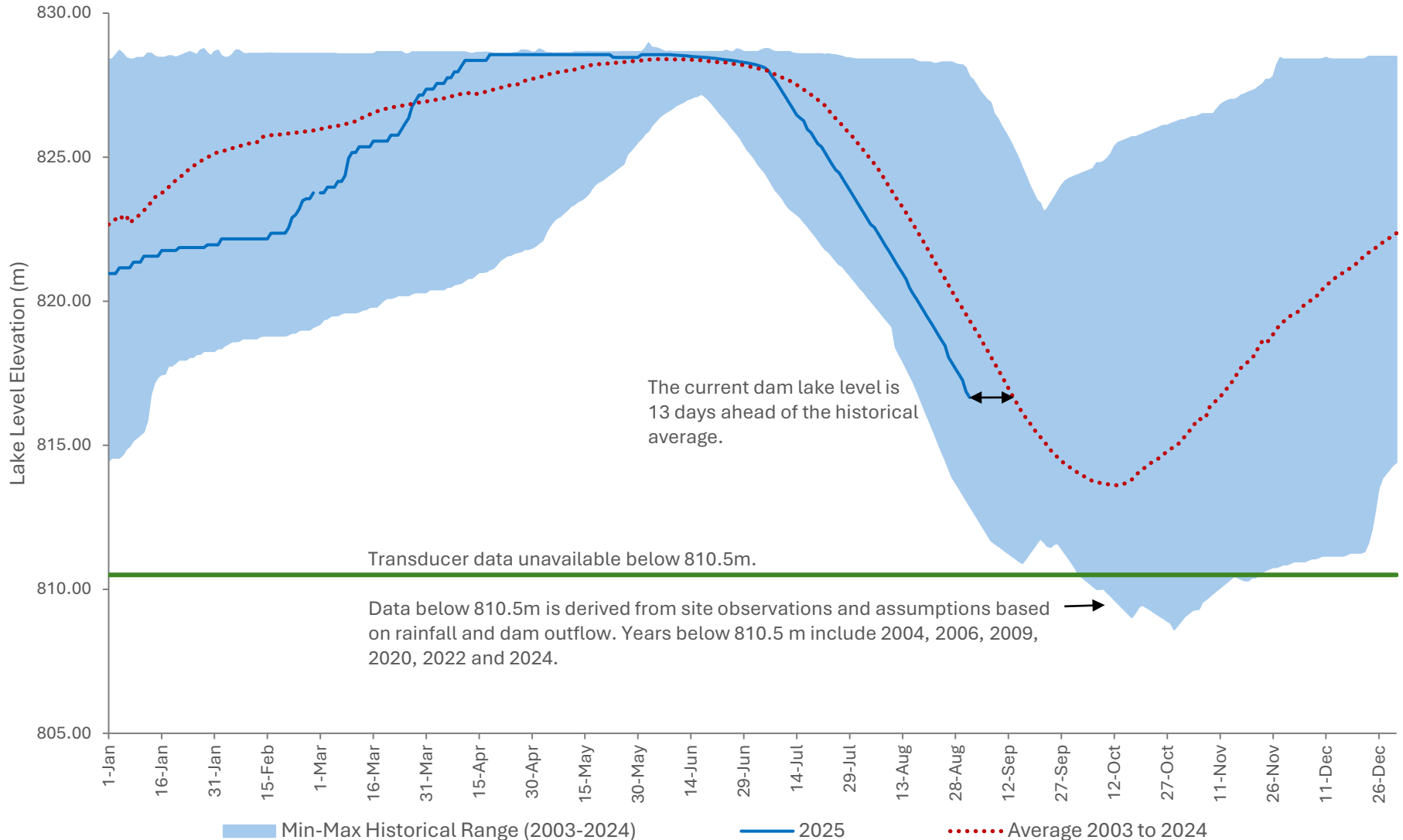


Tue 2 Sep	Wed 3 Sep	Thu 4 Sep	Fri 5 Sep	Sat 6 Sep	Sun 7 Sep	Mon 8 Sep
 27°C Fog dissipating	 28°C Sunny	 28°C Cloudy	 23°C A mix of sun and cloud	 23°C A mix of sun and cloud	 21°C A mix of sun and cloud	 20°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 17°C Clear	 17°C Clear	 16°C Cloudy periods	 15°C Cloudy periods	 14°C Cloudy periods	 14°C Cloudy periods	

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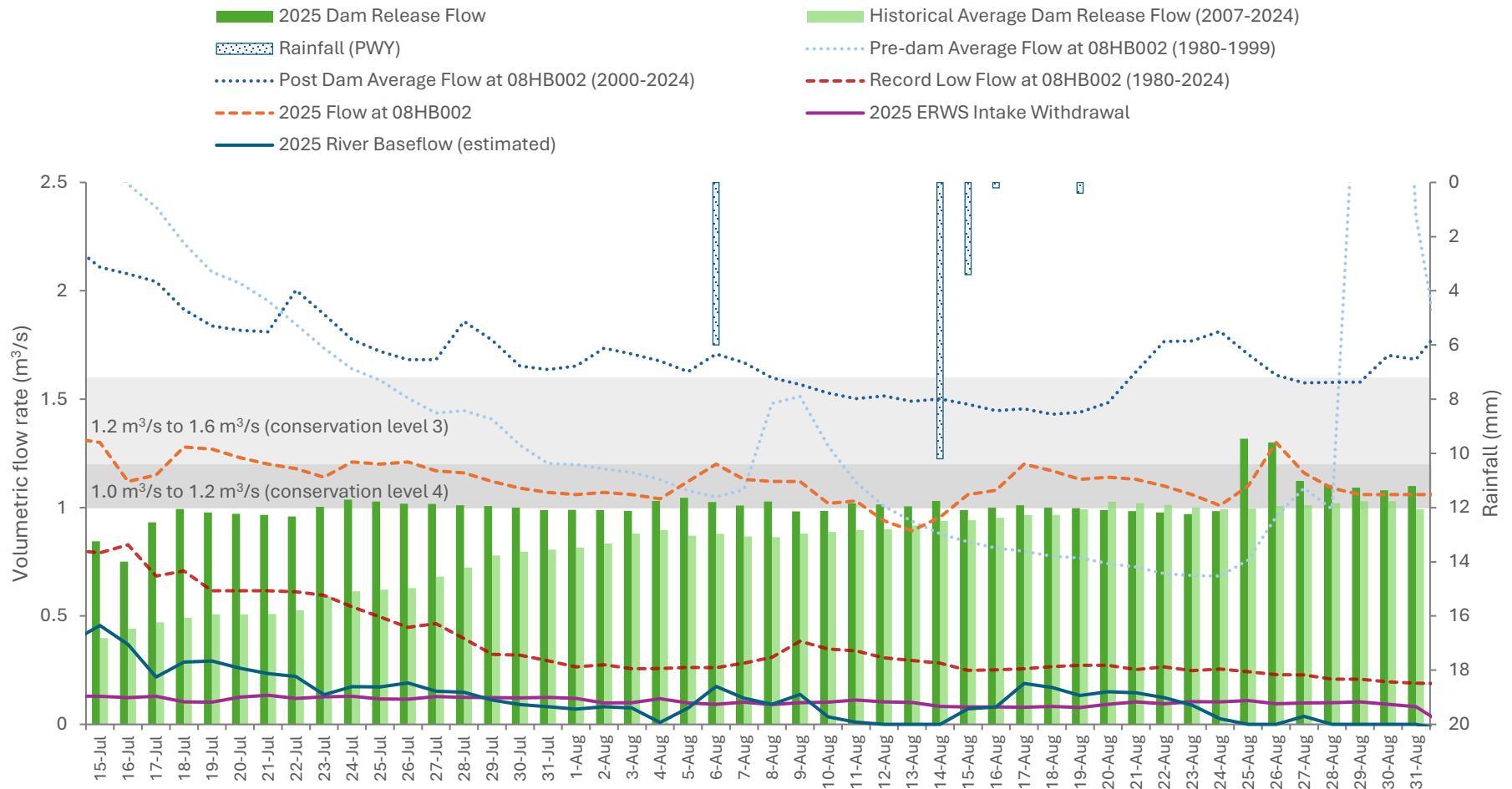
## Arrowsmith Dam Lake Level



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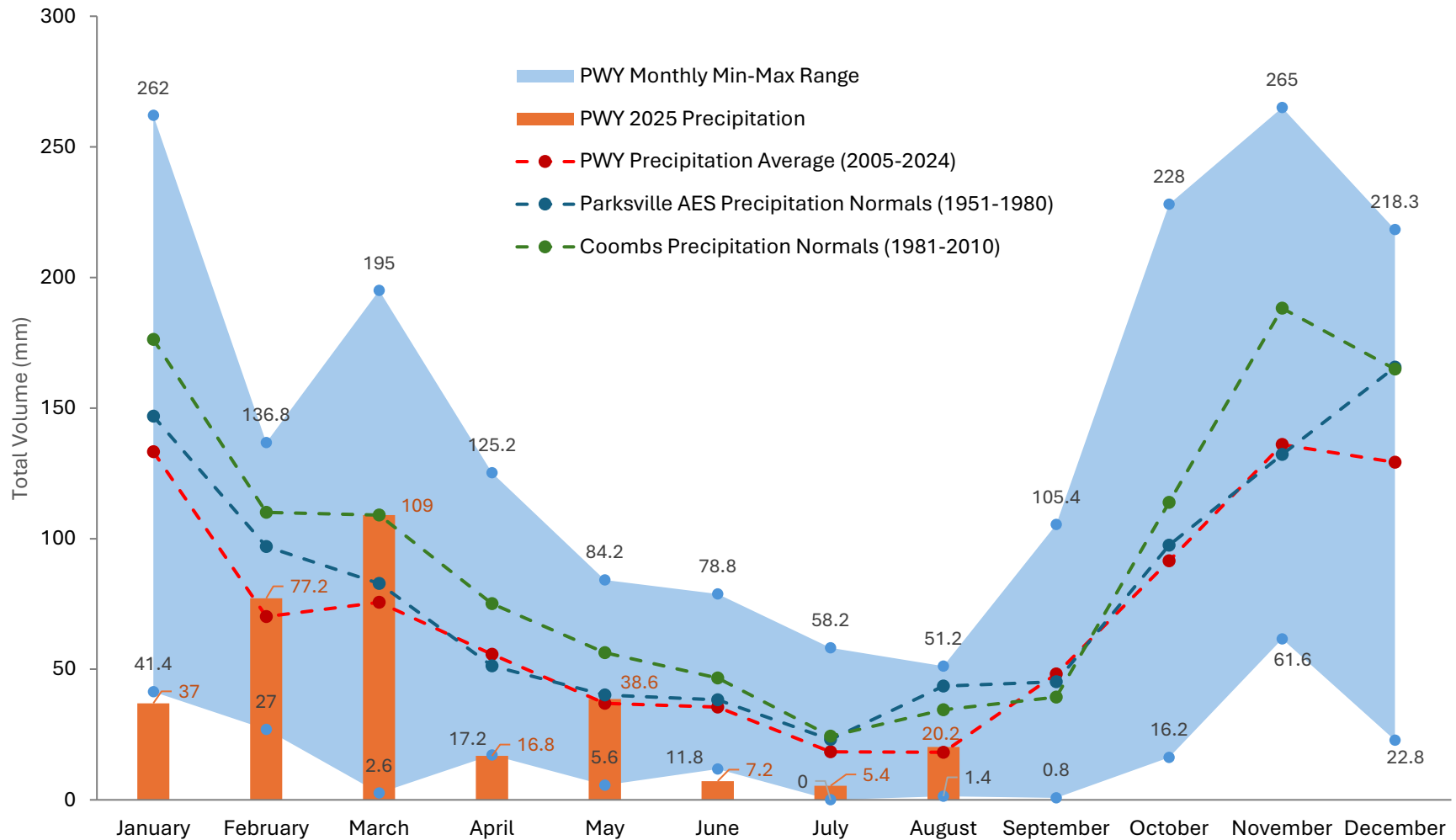
Historical average and current Arrowsmith Dam release flow ( $\text{m}^3/\text{s}$ ), pre-dam average, post dam average, record low and current Englishman River flow ( $\text{m}^3/\text{s}$ ) at WSC hydrometric gauge 08HB002, ERWS intake withdrawal ( $\text{m}^3/\text{s}$ ), river baseflow ( $\text{m}^3/\text{s}$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



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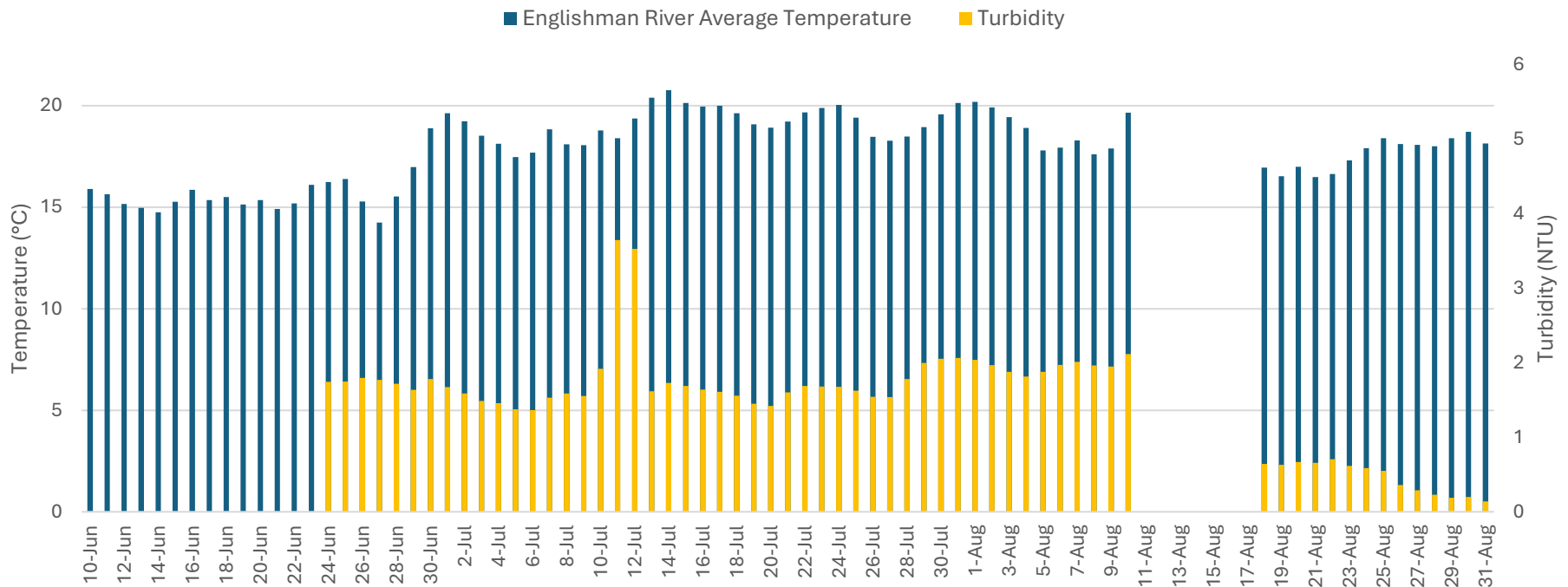
## Local Precipitation (Public Works Yard)



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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.