

# Arrowsmith Dam and Englishman River Weekly Report

July 21 to July 27, 2025

## Summary

### Arrowsmith Dam

Lake level (July 27): 824.26 m

Estimated volume (July 27): 7,125,000 m<sup>3</sup>

Weekly average release rate: 1.0 m<sup>3</sup>/s

Weekly total released volume: 607,170 m<sup>3</sup>

### Englishman River

Weekly average baseflow estimate: 0.26 m<sup>3</sup>/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.26 m<sup>3</sup>/s

Weekly average ERWS intake withdrawal flow: 0.12 m<sup>3</sup>/s

Weekly total ERWS intake volume: 71,300 m<sup>3</sup>

Weekly average water temperature: 19.28 °C (roughly 130m downstream of intake)

### Other

Snow water equivalent at station 3B26P (July 27): 0 mm

Total weekly rainfall at PWY: 0 mm

Total weekly rainfall at Community Park: 0 mm

East Vancouver Island Drought Level: 2

## Comments

Hydrometric gauge 08HB002 flow 20% lower than the average historical flow (1980-2024) on July 27.














Dam lake level 1.8m below historical average (2003-2024) on July 27.

Weekly average temperature at the Englishman river has decreased by 0.5 °C since the previous week.

**Staff intends to reduce the flow at gauge 08HB002 to 1m<sup>3</sup>/s on Friday August 1<sup>st</sup>. Due to the need to keep the flow below 1.2m<sup>3</sup>/s, level 4 water conservation will be in effect starting Friday August 1.**

## Weather Forecast (Qualicum Airport)

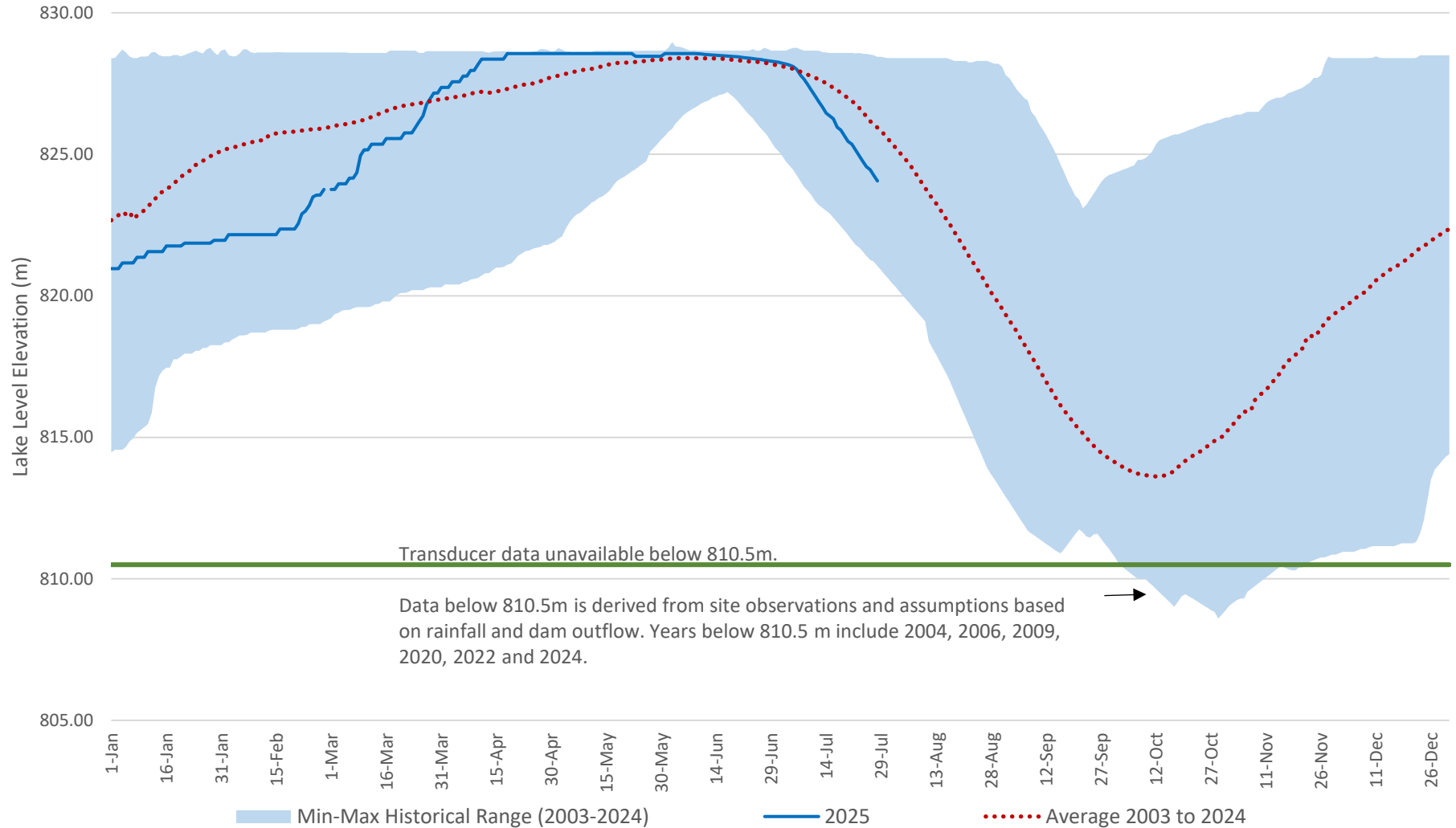


Mon 28 Jul	Tue 29 Jul	Wed 30 Jul	Thu 31 Jul	Fri 1 Aug	Sat 2 Aug	Sun 3 Aug
 24°C Sunny	 27°C Sunny	 28°C Sunny	 28°C Sunny	 23°C Cloudy	 23°C Cloudy	 22°C 30% Chance of showers
Tonight	Night	Night	Night	Night	Night	
 15°C Clear	 16°C Clear	 18°C Clear	 16°C Cloudy periods	 15°C Cloudy	 14°C Cloudy	

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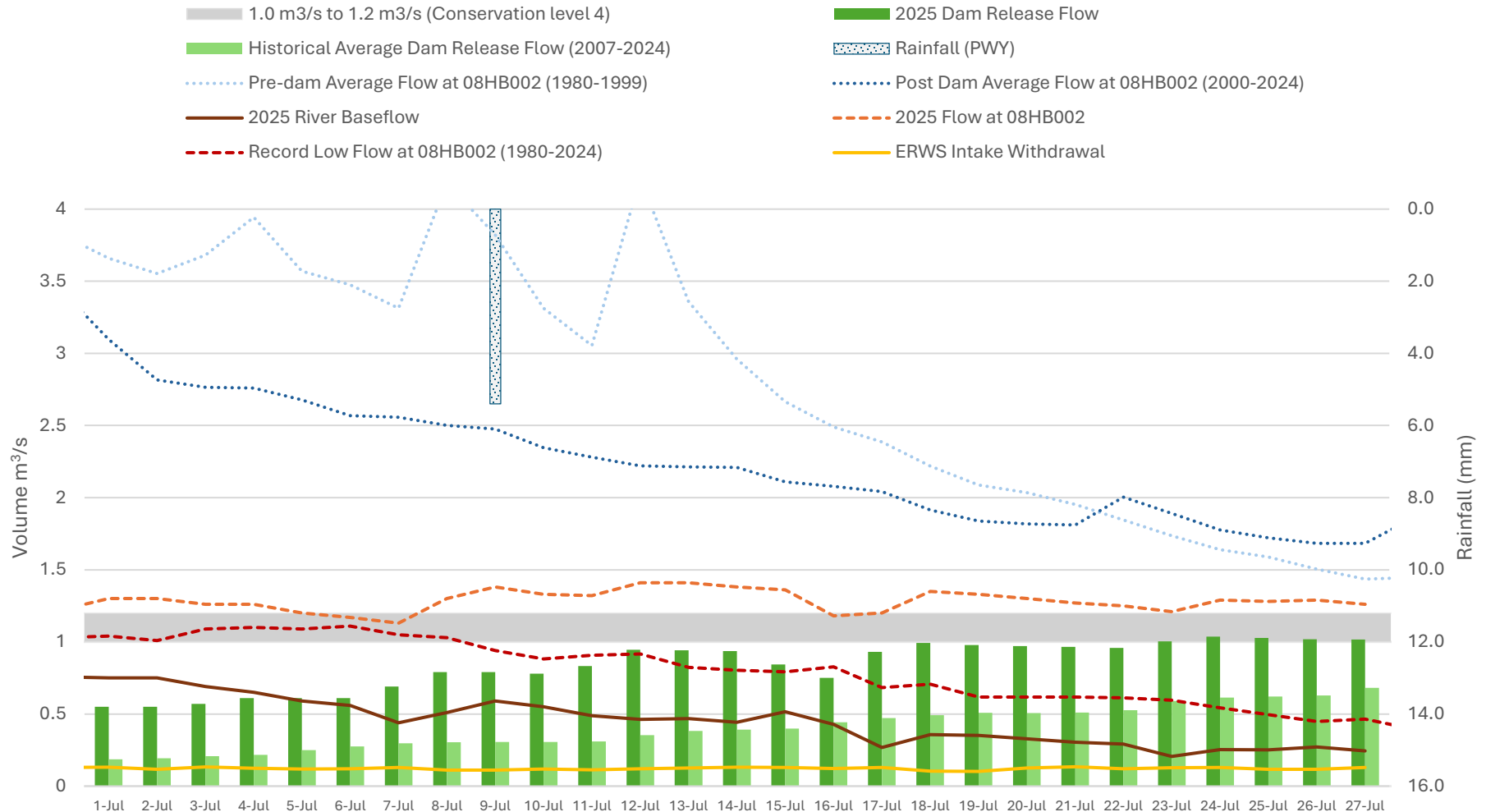
Arrowsmith Dam Lake Level



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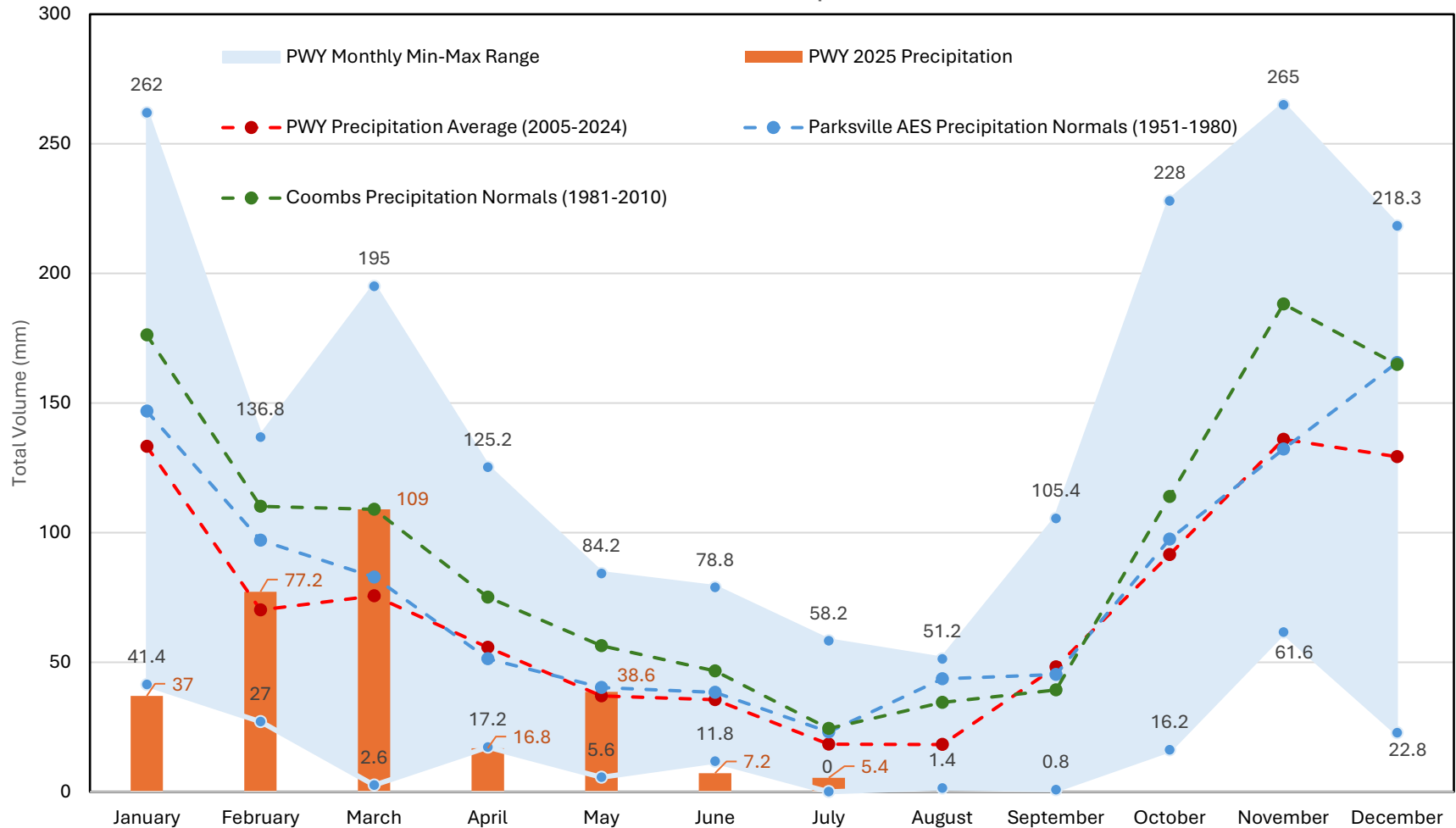
Arrowsmith Dam Release Flow (m<sup>3</sup>/s), Englishman River Flow (m<sup>3</sup>/s) at WSC Hydrometric Gauge 08HB002, ERWS Intake Withdrawal (m<sup>3</sup>/s), Rainfall at Public Works Yard (mm)



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## Local Precipitation



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## Englishman River Daily Temperature and Turbidity (Downstream of Intake)

