

# Arrowsmith Dam and Englishman River Weekly Report

July 7 to July 13, 2025

## Summary

### Arrowsmith Dam

Lake level (July 12): 827.6 m

Estimated volume (July 12): 8,670,000 m<sup>3</sup>

Weekly average release rate: 0.82 m<sup>3</sup>/s

Weekly total released volume: 498,600 m<sup>3</sup>

### Englishman River

Weekly average baseflow estimate: 0.5 m<sup>3</sup>/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.33 m<sup>3</sup>/s

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

Weekly total ERWS intake volume: 67,970 m<sup>3</sup>

Weekly average water temperature: 18.85 °C (roughly 130m downstream of intake)

### Other

Snow water equivalent at station 3B26P (July 12): 0 mm

Total weekly rainfall at PWY: 5.4 mm (July 9)

Total weekly rainfall at Community Park: 5.4 mm (July 8-9)

East Vancouver Island Drought Level: 2

## Comments

Communication between the dam and the PWY was restored on July 11. Dam level transducer needs to be calibrated and still being measured on site and estimated on days that operators are not on site.














Hydrometric gauge 08HB002 flow 36.3% lower than the average flow from 2000-2024 (post dam construction) on July 13.

Weekly average temperature at the Englishman river has increased by 0.35 °C since the previous week.

**Staff will continue to maintain a flow of 1.2m<sup>3</sup>/s at gauge 08HB002. Due to the flow being below 1.6m<sup>3</sup>/s, level 3 water conservation will continue to be in effect.**

## Weather Forecast (Qualicum Airport)

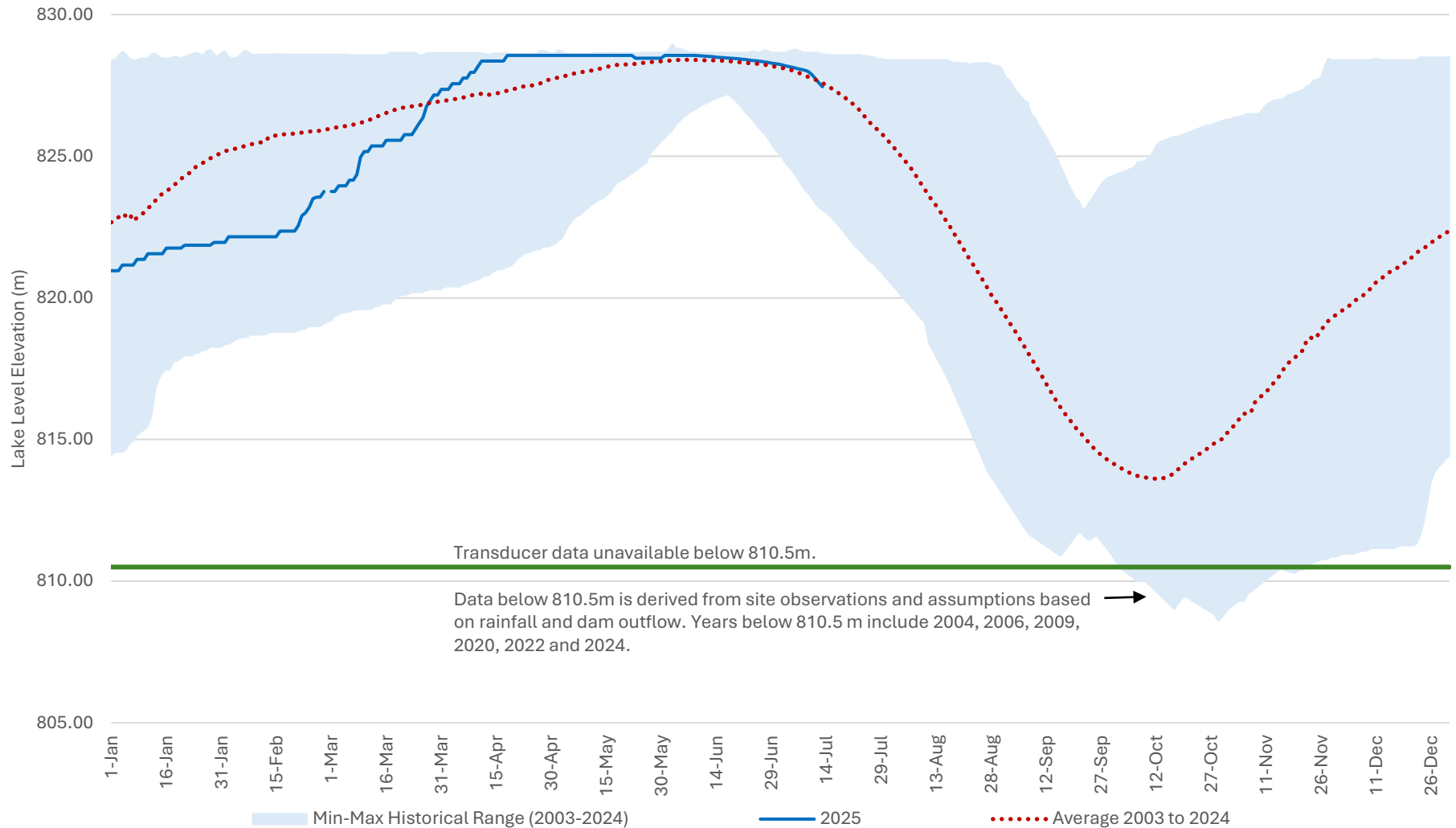


Mon 14 Jul	Tue 15 Jul	Wed 16 Jul	Thu 17 Jul	Fri 18 Jul	Sat 19 Jul	Sun 20 Jul
 27°C Sunny	 31°C Sunny	 29°C Sunny	 28°C Sunny	 23°C A mix of sun and cloud	 21°C A mix of sun and cloud	 23°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 17°C Clear	 16°C Clear	 17°C Clear	 16°C Cloudy periods	 15°C Cloudy periods	 15°C Cloudy periods	

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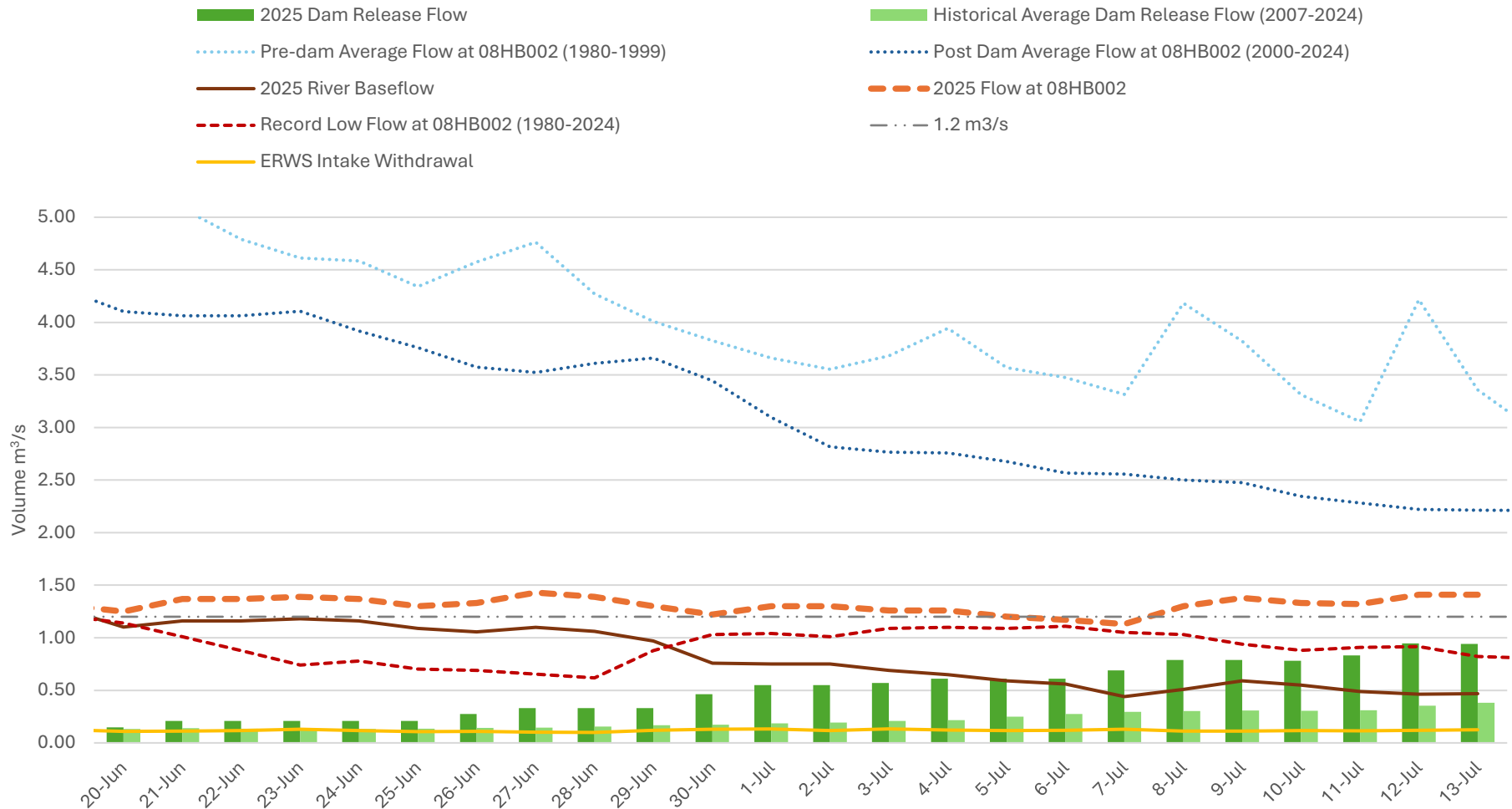
## Arrowsmith Dam Lake Level



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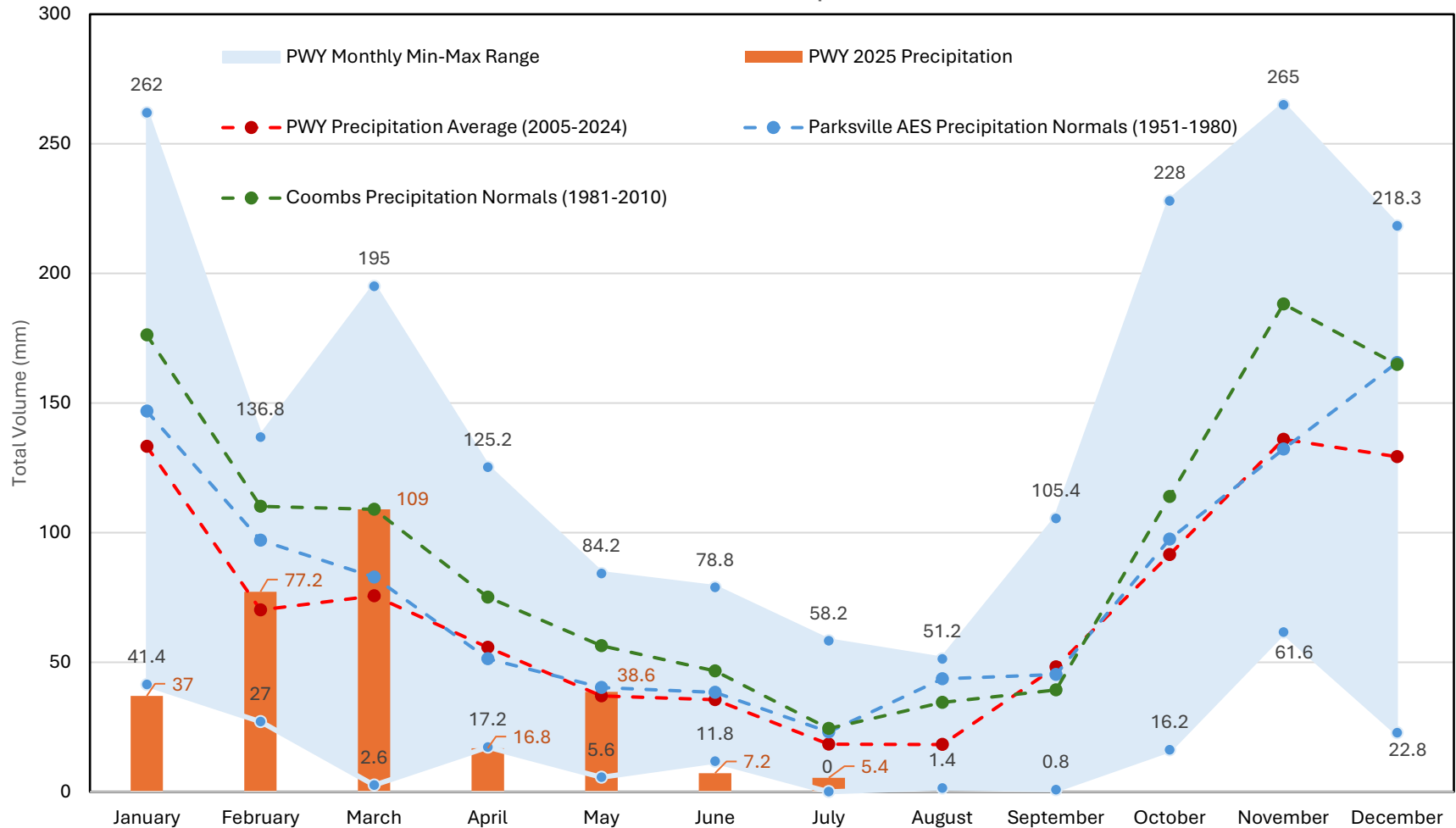
Arrowsmith Dam Release Flow (m<sup>3</sup>/s), Englishman River Flow (m<sup>3</sup>/s) at WSC Hydrometric Gauge 08HB002, and ERWS Intake Withdrawal (m<sup>3</sup>/s)



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## Local Precipitation



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

