

# Arrowsmith Dam and Englishman River Weekly Report

June 23 to June 29, 2025

## Summary

### Arrowsmith Dam

Lake level (June 29): 828.3m

Estimated volume (June 29): 8,940,000 m<sup>3</sup>

Weekly average release rate: 0.27m<sup>3</sup>/s

Weekly total released volume: 163,728m<sup>3</sup>

### Englishman River

Weekly average baseflow estimate: 1.1m<sup>3</sup>/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.36m<sup>3</sup>/s

Weekly average ERWS intake withdrawal flow: 0.11m<sup>3</sup>/s

Weekly total ERWS intake volume: 61,900m<sup>3</sup>

Weekly average water temperature: 15.8 °C (roughly 130m downstream of intake)

### Other

Snow water equivalent at station 3B26P (June 29): 0 mm

Total weekly rainfall at PWY: 5.0 mm

Total weekly rainfall at Community Park: 5.6 mm

East Vancouver Island Drought Level: 1 (Abnormally Dry)

## Comments

No communication between the dam and the PWY due to changes being made to the communication system and the installation of a solar power system. Operators taking manual reading while IT is troubleshooting communication issues.

- Operator visited the dam on June 26 around 11:00am and opened the valves to release more water. Releasing 0.33m<sup>3</sup>/s.
- Operator visited the dam on June 30 around 9:30am and opened the valves to release more water. Releasing 0.55m<sup>3</sup>/s.

Hydrometric gauge 08HB002 flow 64.5% lower than average flow from 2000-2024 (post dam construction) on June 29.














Hydrometric gauge 08HB002 was calibrated on June 20.

June is set to be the 3<sup>rd</sup> record breaking month for low rainfall in 2025 at the Public Works Yard (PWY).

**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)

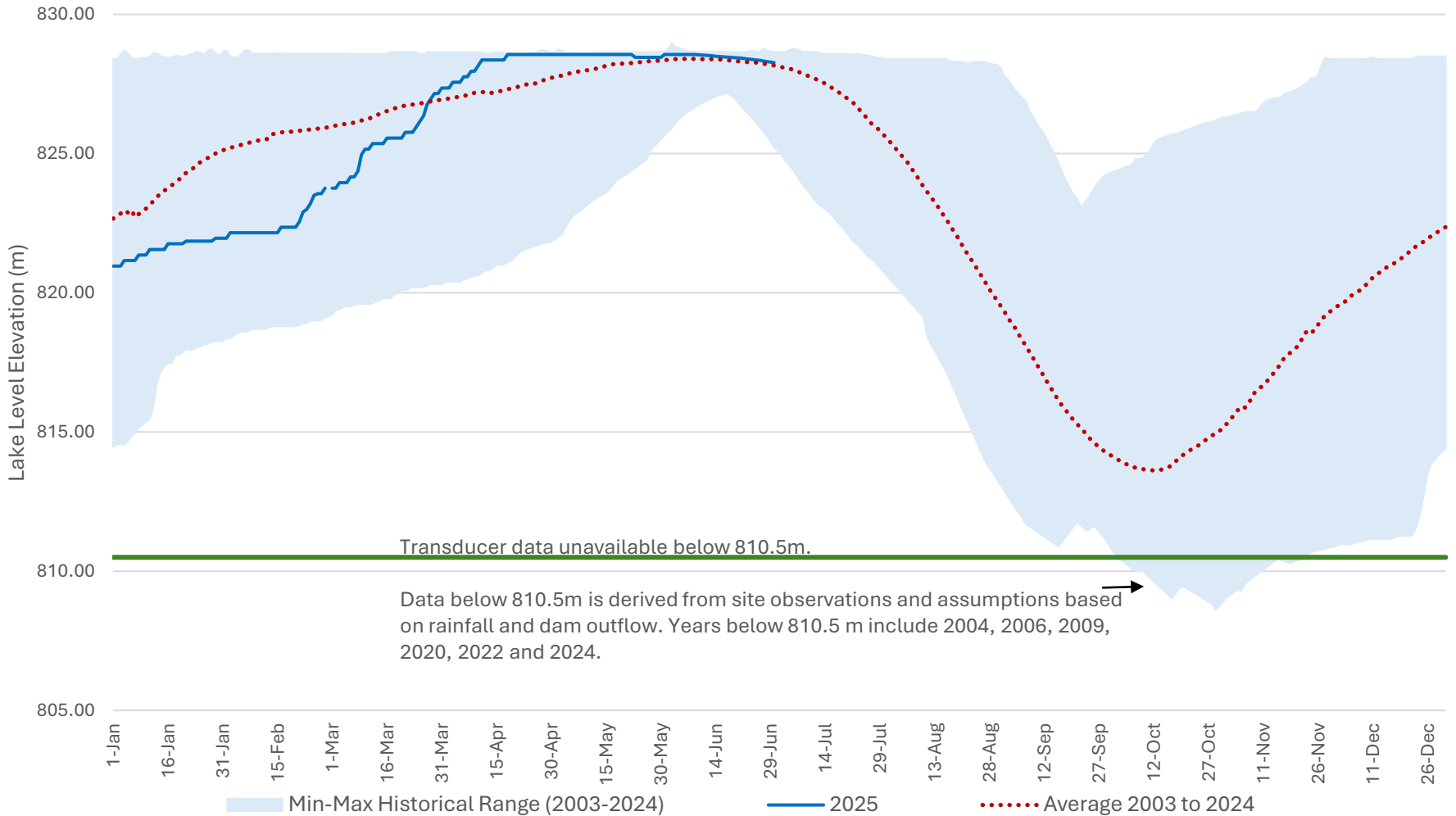


Mon 30 Jun	Tue 1 Jul	Wed 2 Jul	Thu 3 Jul	Fri 4 Jul	Sat 5 Jul	Sun 6 Jul
 27°C Sunny	 26°C Sunny	 21°C A mix of sun and cloud	 20°C Sunny	 22°C Sunny	 22°C A mix of sun and cloud	 22°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 14°C Clear	 14°C Clear	 13°C Cloudy periods	 13°C Clear	 13°C Cloudy periods	 13°C Cloudy periods	

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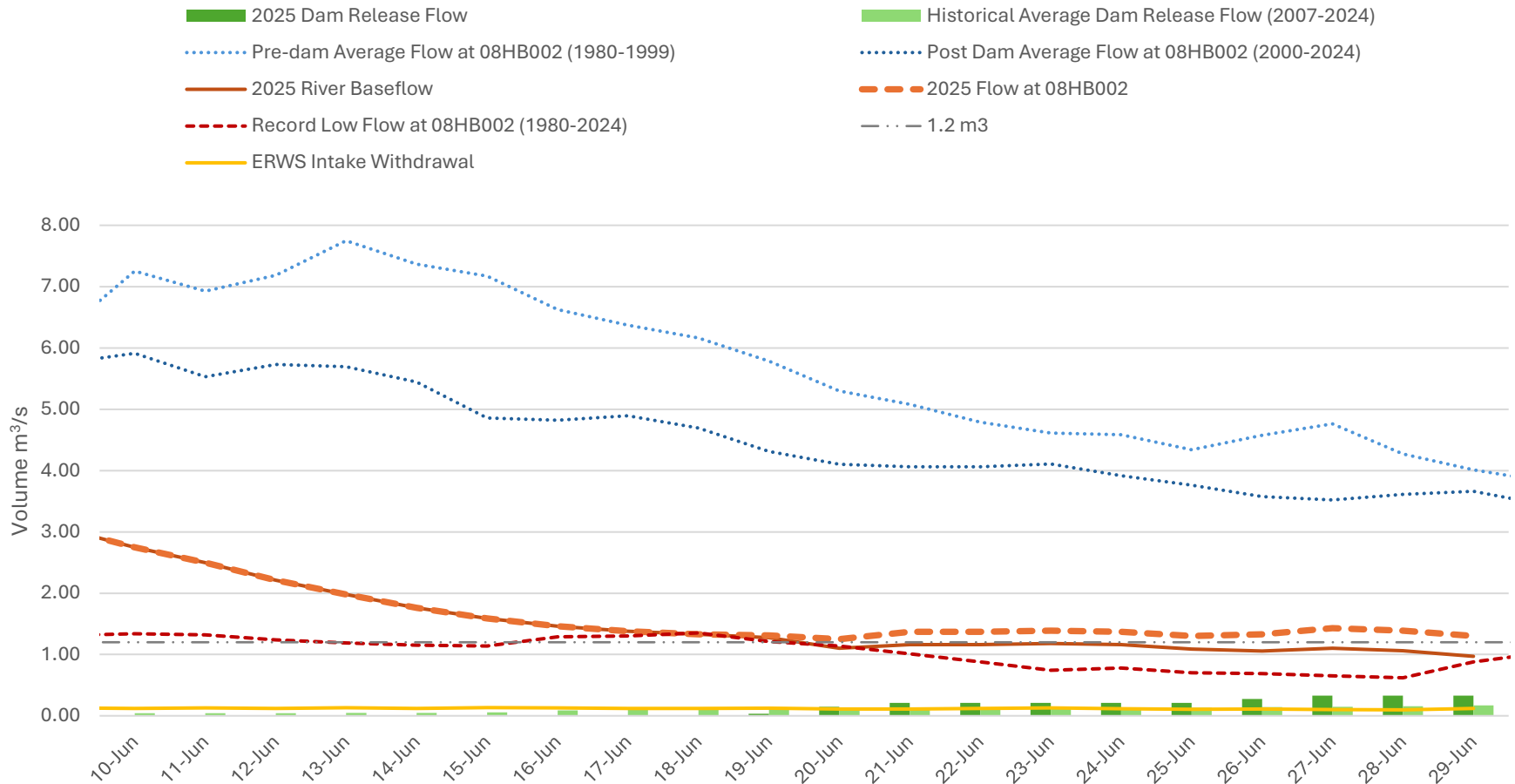
Arrowsmith Dam Lake Level



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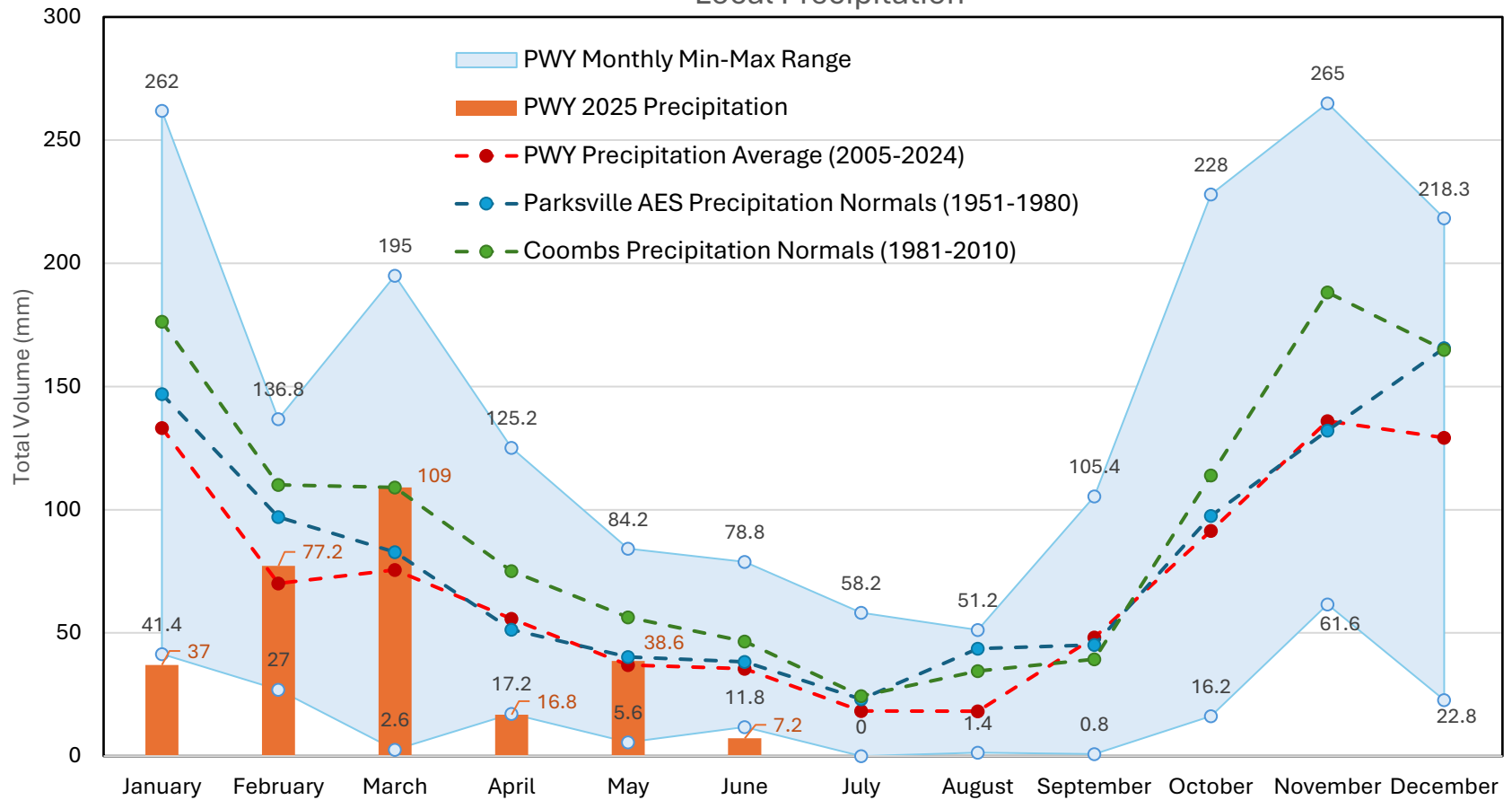
Arrowsmith Dam Release Flow (m<sup>3</sup>/s), Englishman River Flow (m<sup>3</sup>/s) at WSC Hydrometric Gauge 08HB002, and ERWS Intake Withdrawal (m<sup>3</sup>/s)



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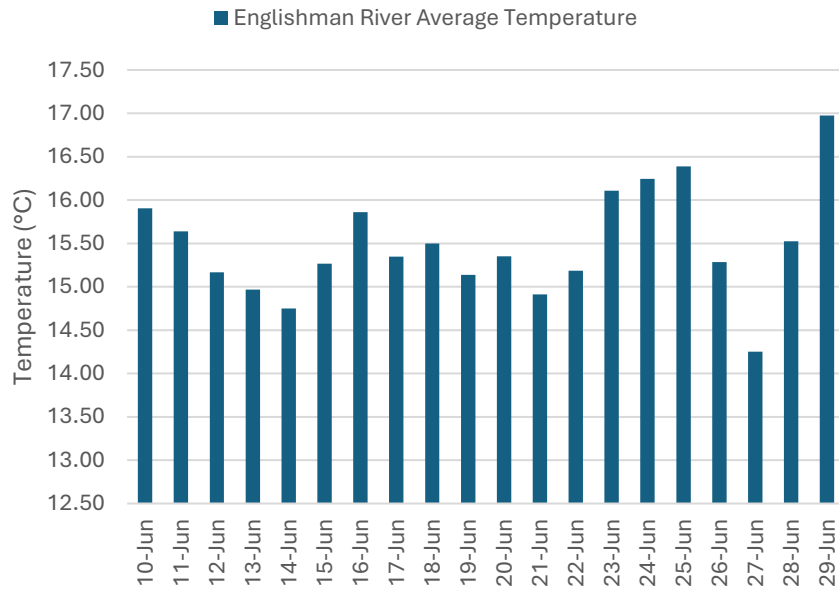
## Local Precipitation



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## Englishman River Daily Temperature



## Snow Water Equivalent - Station 3B26P

