

# Arrowsmith Dam and Englishman River Weekly Report

June 30 to July 6, 2025

## Summary

### Arrowsmith Dam

Lake level (July 6): 828.1m

Estimated volume (July 6): 8,880,000 m<sup>3</sup>

Weekly average release rate: 0.57m<sup>3</sup>/s

Weekly total released volume: 342,396m<sup>3</sup>

### Englishman River

Weekly average baseflow estimate: 0.68m<sup>3</sup>/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.24m<sup>3</sup>/s

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

Weekly total ERWS intake volume: 71,370m<sup>3</sup>

Weekly average water temperature: 18.5 °C (roughly 130m downstream of intake)

### Other

Snow water equivalent at station 3B26P (July 6): 0 mm

Total weekly rainfall at PWY: 0 mm

Total weekly rainfall at Community Park: 0 mm

East Vancouver Island Drought Level: 2

## 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 July 3 and opened the valves to release 0.61m<sup>3</sup>/s.
- Operator visited the dam on July 7 and opened the valves to release 0.79m<sup>3</sup>/s.

Hydrometric gauge 08HB002 flow 54.4% lower than average flow from 2000-2024 (post dam construction) on July 6.

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














Weekly average temperature at the Englishman river has increased by 2.7 °C since the previous week.

Weekly average baseflow has decreased by 38.2% 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)

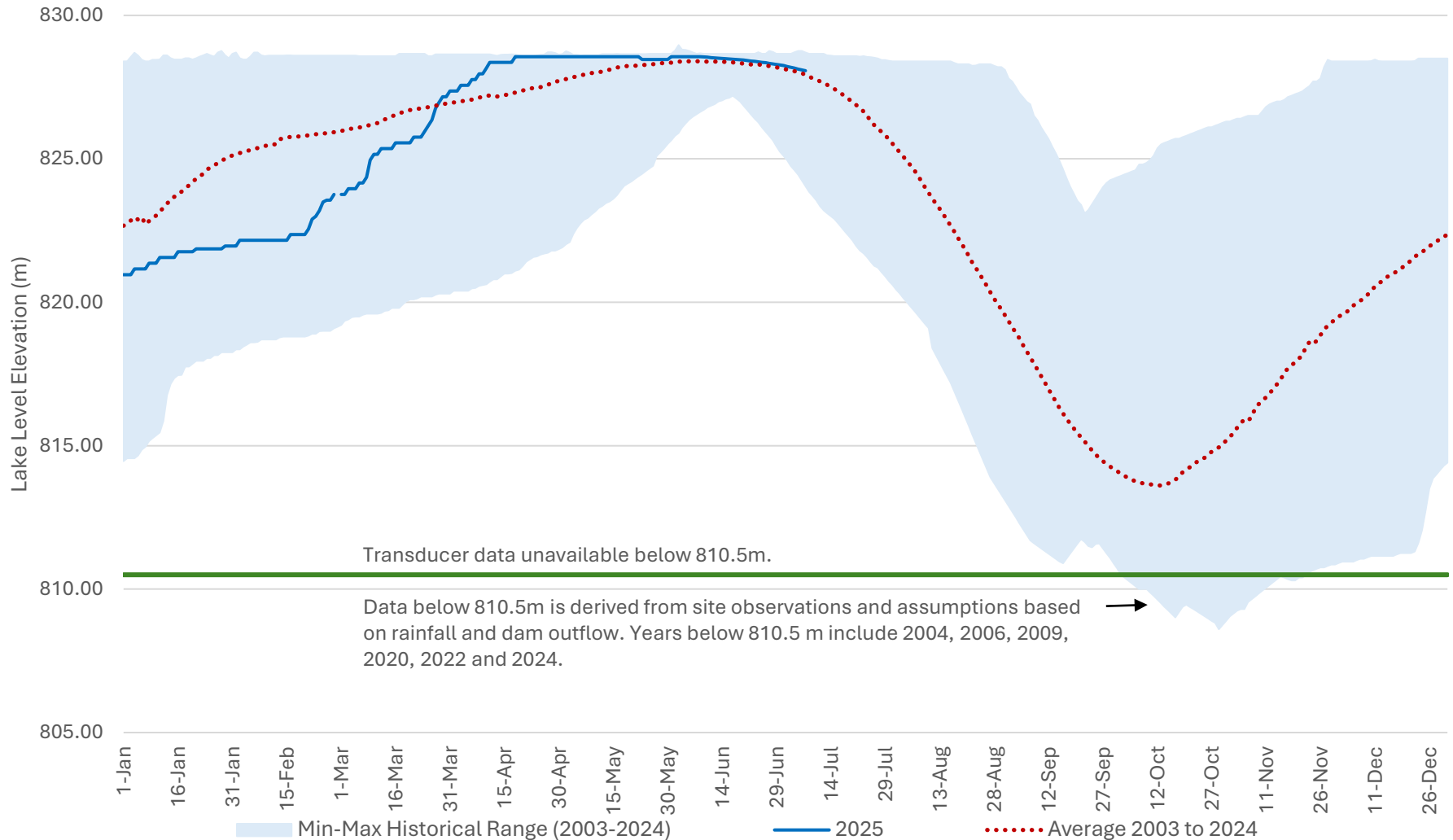


Mon 7 Jul	Tue 8 Jul	Wed 9 Jul	Thu 10 Jul	Fri 11 Jul	Sat 12 Jul	Sun 13 Jul
 26°C Mainly sunny	 20°C A few showers	 20°C 60% Chance of showers	 24°C Sunny	 25°C A mix of sun and cloud	 23°C Cloudy	 25°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 16°C Partly cloudy	 14°C Showers	 13°C 60% Chance of showers	 14°C Clear	 17°C Cloudy	 17°C Cloudy	

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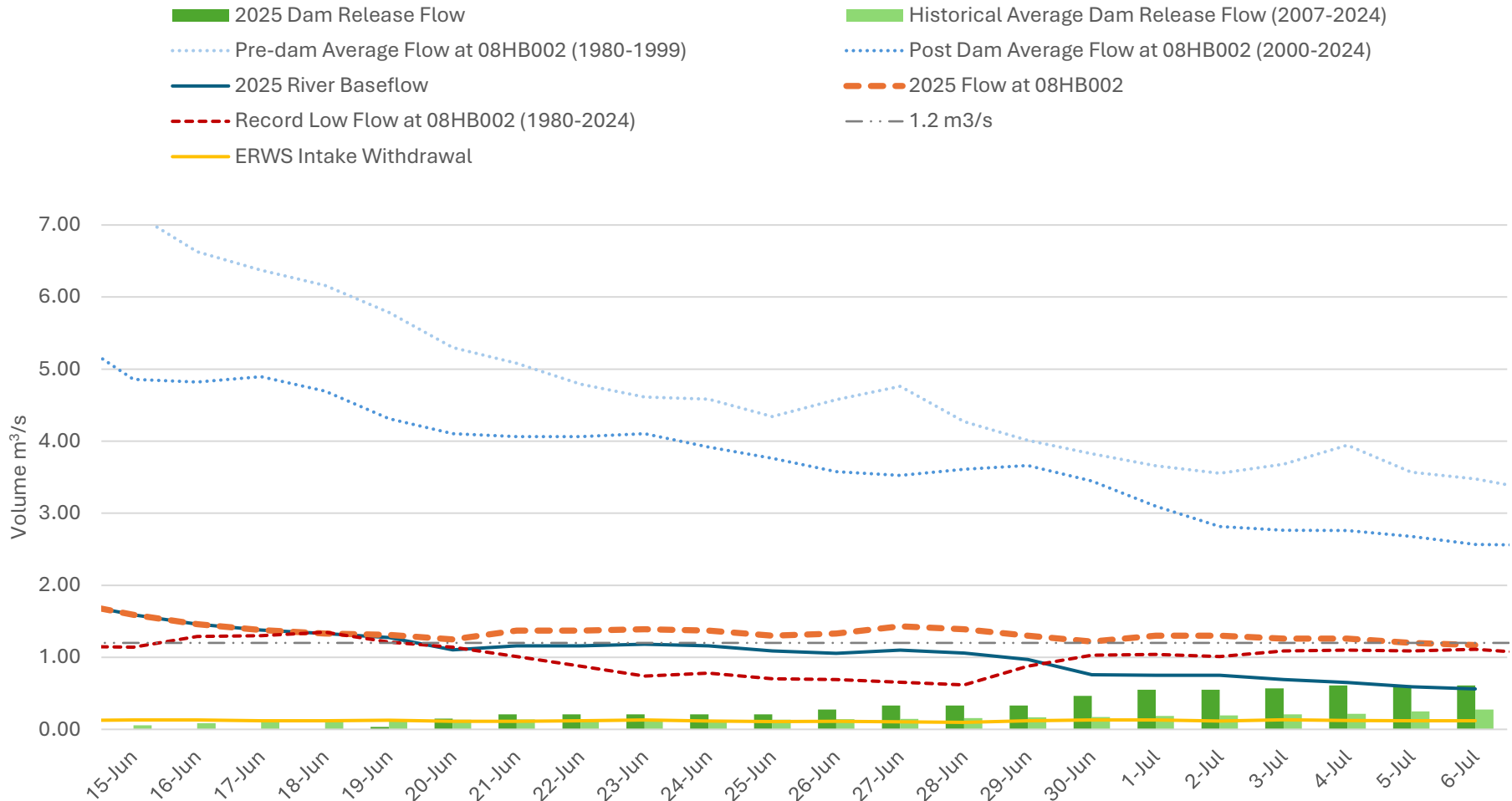
Arrowsmith Dam Lake Level



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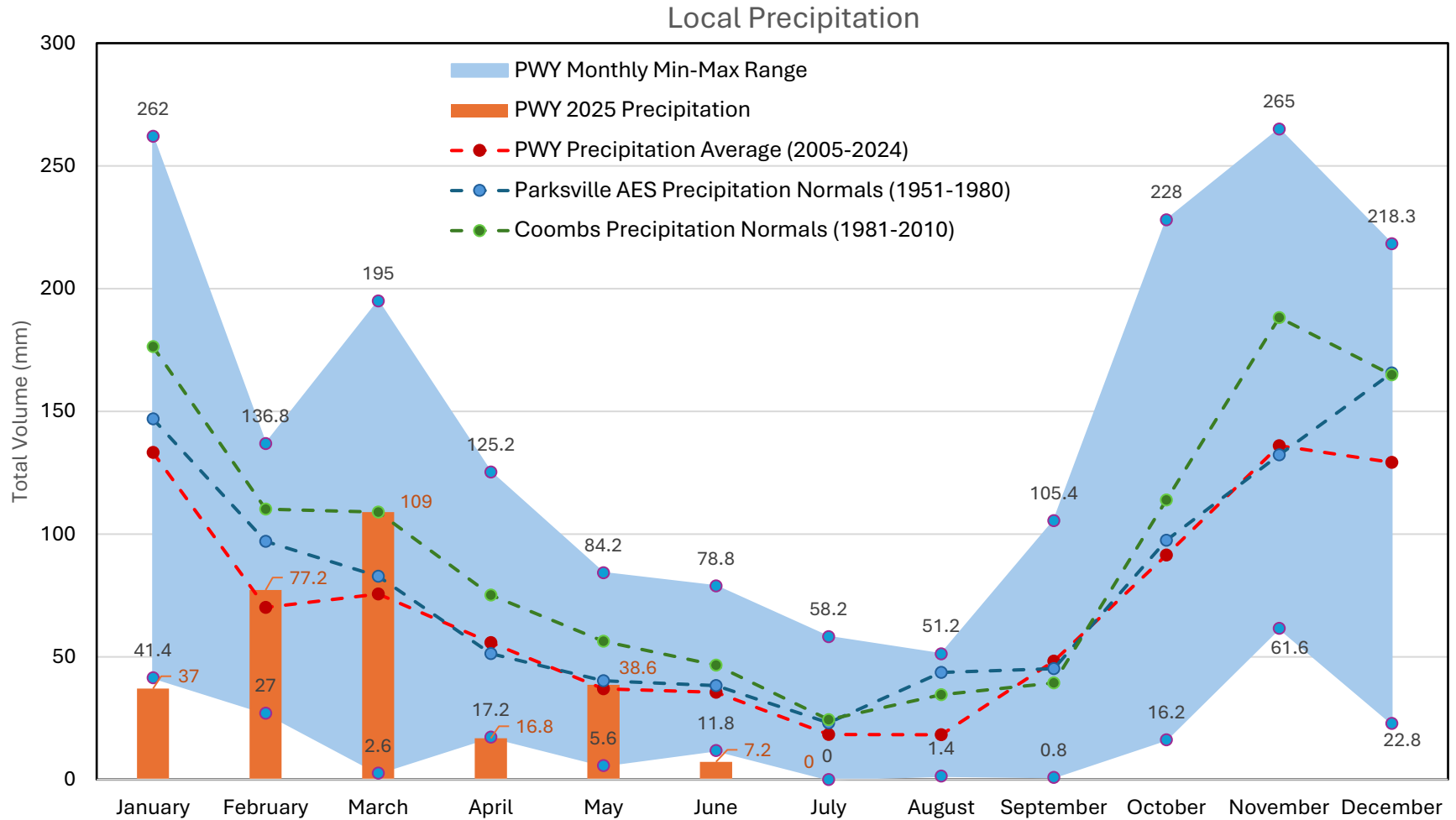
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Arrowsmith Dam Release Flow (m<sup>3</sup>/s), Englishman River Flow (m<sup>3</sup>/s) at WSC Hydrometric Gauge 08HB002, and ERWS Intake Withdrawal (m<sup>3</sup>/s)



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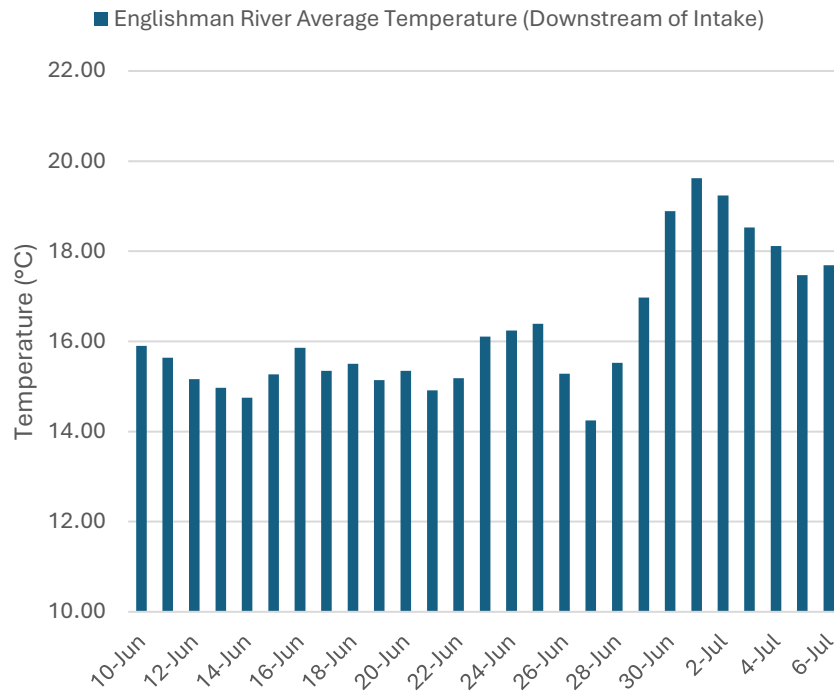
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## Englishman River Daily Temperature



## Snow Water Equivalent - Station 3B26P

