

Arrowsmith Dam and Englishman River Weekly Report

June 16 to June 22, 2025

Summary

Arrowsmith Dam

Lake level (June 22): 828.5 m

Estimated volume (June 22): 9,000,000 m³

Weekly average release rate: 0.1 m³/s

Weekly total released volume: 52,056 m³

Englishman River

Weekly average baseflow estimate: 1.6 m³/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.67 m³/s

Weekly average ERWS intake withdrawal flow: 0.12 m³/s

Weekly total ERWS intake volume: 68,460 m³

Weekly average water temperature: 15.3 °C (roughly 130m downstream of intake)

Other

Snow water equivalent at station 3B26P (June 22): 1mm

Total weekly rainfall at PWY: 0.2mm

Total weekly rainfall at Community Park: 1.8mm

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 are currently not able to operate the dam from the SCADA system.














- Operator visited the dam on June 19 around 10:00am to open valves to start releasing water. Releasing 0.06 m³/s.
- Operator visited the dam on June 20 around 10:00am and opened the valves to release more water. Releasing 0.21 m³/s.
- Based on total outflow since June 19, it is likely that the dam is still spilling.

Dam release flow 56.5% higher than average on June 22.

Hydrometric gauge 08HB002 flow 40.4% lower than average flow from 2000-2024 (post dam construction) on June 22.

Weather Forecast (Qualicum Airport)

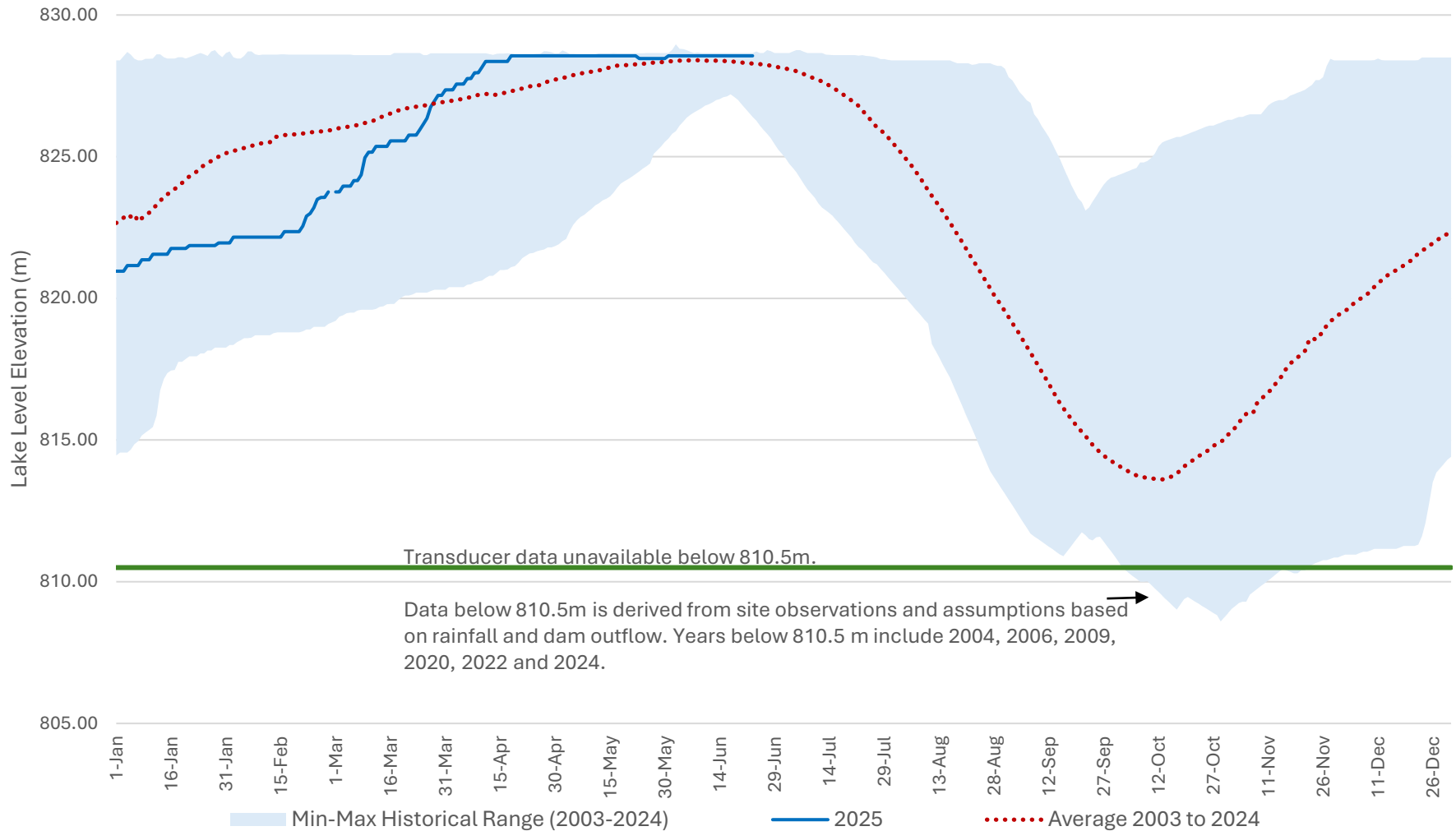


Mon 23 Jun	Tue 24 Jun	Wed 25 Jun	Thu 26 Jun	Fri 27 Jun	Sat 28 Jun	Sun 29 Jun
 20°C 30% Chance of showers	 20°C 30% Chance of showers	 20°C Cloudy	 17°C 60% Chance of showers	 20°C A mix of sun and cloud	 21°C A mix of sun and cloud	 24°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 13°C 30% Chance of showers	 15°C 30% Chance of showers	 13°C Cloudy	 13°C Cloudy	 13°C Cloudy periods	 14°C Cloudy periods	

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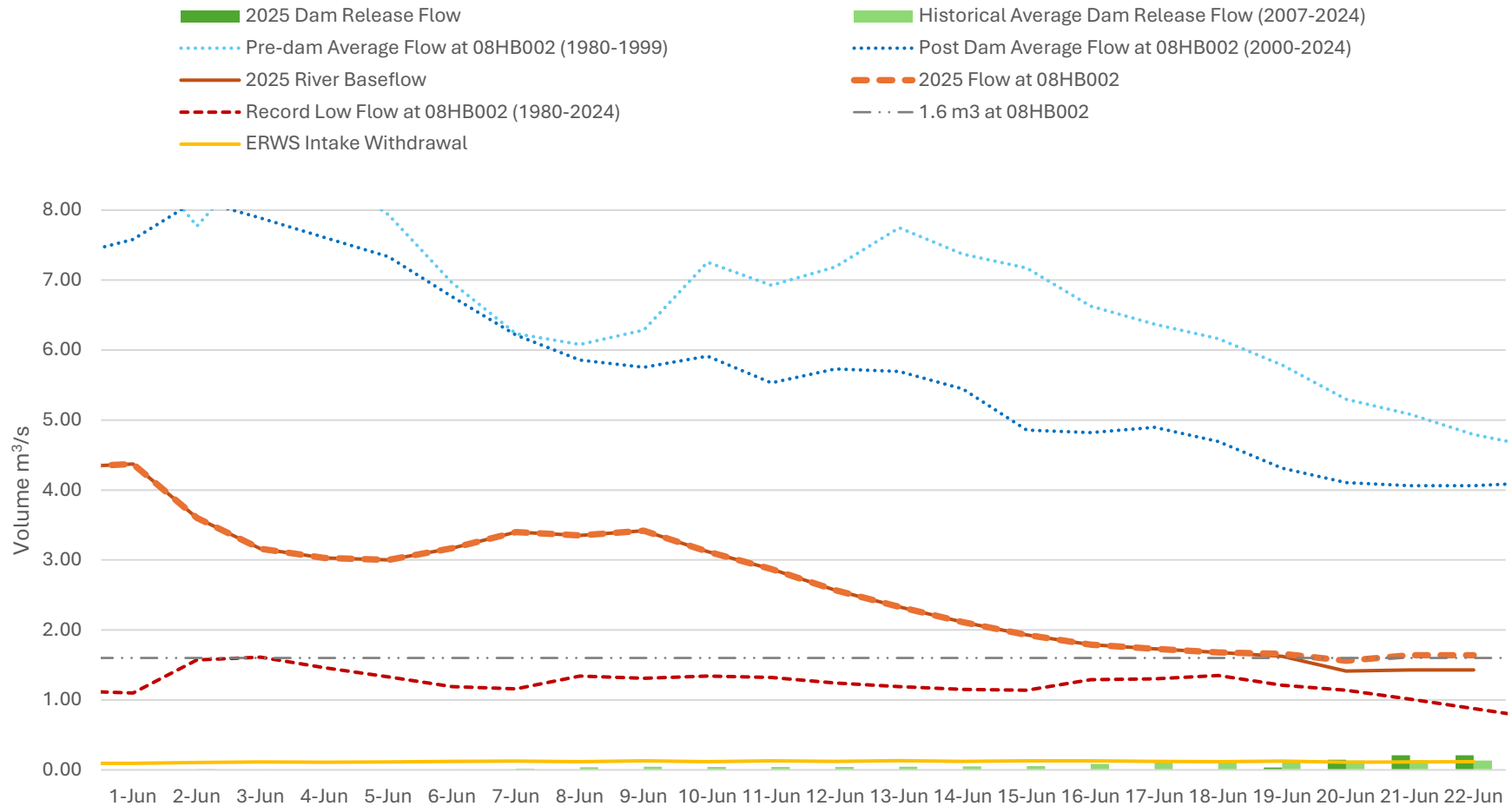
Arrowsmith Dam Lake Level



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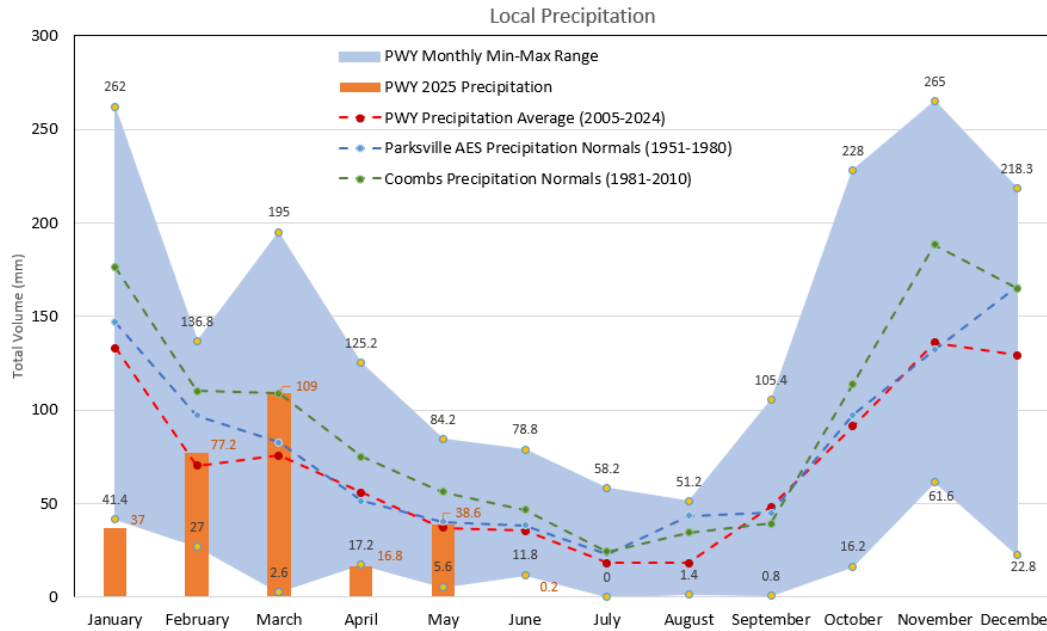
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Arrowsmith Dam Release Flow (m³/s), Englishman River Flow (m³/s) at WSC Hydrometric Gauge 08HB002, and ERWS Intake Withdrawal (m³/s)



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Englishman River Daily Temperature

