



Arrowsmith Dam and Englishman River Weekly Report

August 11 to August 17, 2025

Summary

Arrowsmith Dam

Lake level (August 17): 820.06 m

Estimated volume (August 17): 5,400,000 m³

Weekly average release rate: 1.0 m³/s

Weekly total released volume: 610,860 m³

Englishman River

Weekly average baseflow estimate: 0.05 m³/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.02 m³/s

Weekly average ERWS intake withdrawal flow: 0.09 m³/s

Weekly total ERWS intake volume: 49,840 m³

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

Other

Snow water equivalent at station 3B26P (August 17): 0 mm

Total weekly rainfall at PWY: 13.8 mm

Total weekly rainfall at Community Park: 14.4 mm

East Vancouver Island Drought Level: 3

Comments

Dam lake level 2.4m below historical average (2003-2024) on August 17.

Rocks were piled up around hydrometric gauge 08HB002 on August 12, WSC staff was on site August 14 to fix the problem and re-calibrate.

Temperature probe located downstream of the intake failed. No recordings collected over the past week.

Staff will continue to maintain a flow of 1.0 m³/s at gauge WSC 08HB002. Due to the need to keep the flow below 1.2m³/s, level 4 water conservation will continue to be in effect as per Order dated June 19, 2025 under the *Water Sustainability Act*.

Weather Forecast (Qualicum Airport)

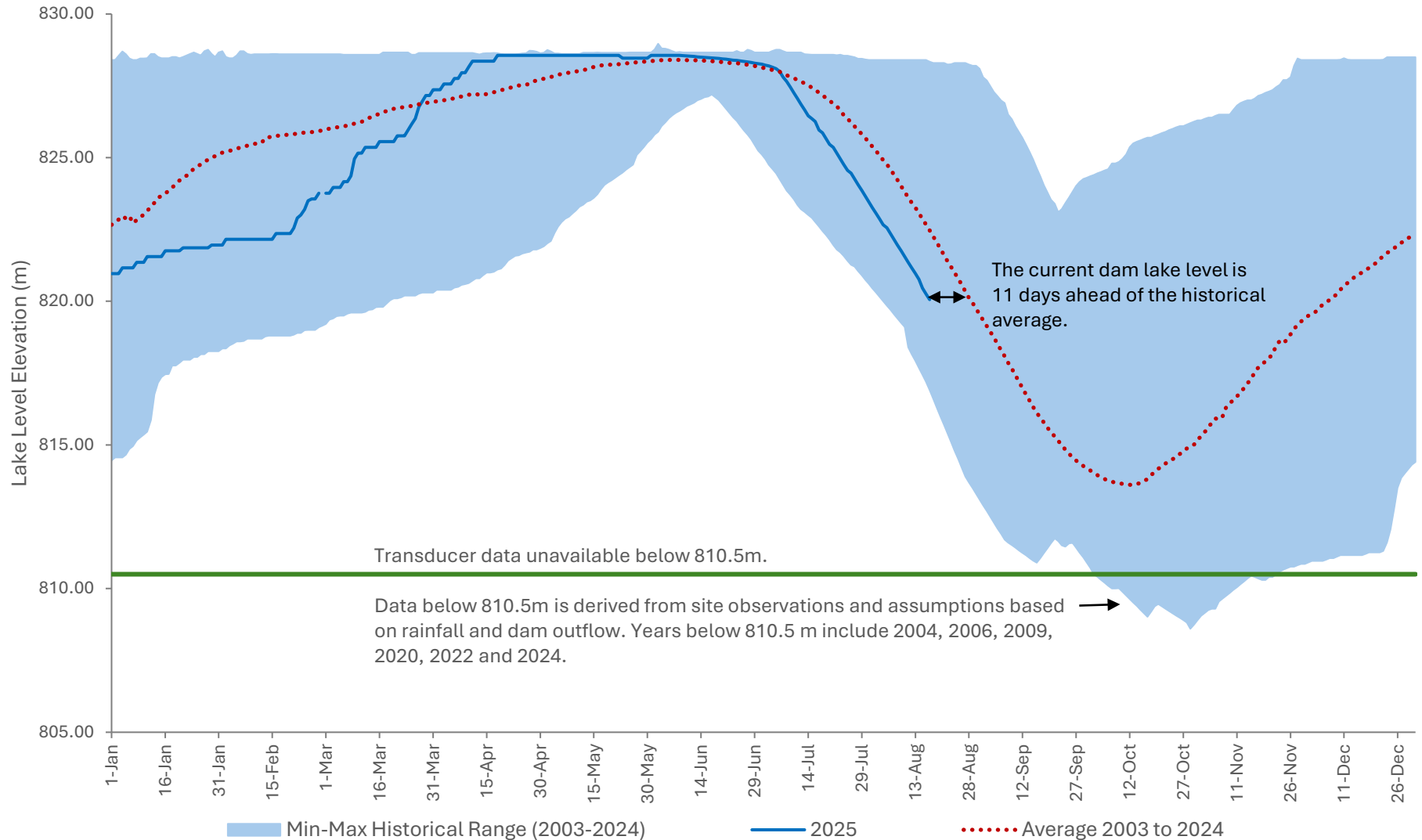


Mon 18 Aug	Tue 19 Aug	Wed 20 Aug	Thu 21 Aug	Fri 22 Aug	Sat 23 Aug	Sun 24 Aug
 20°C 60% Chance of showers	 20°C 40% Chance of showers	 22°C Sunny	 23°C Sunny	 25°C Sunny	 26°C Sunny	 25°C Sunny
Tonight	Night	Night	Night	Night	Night	
 15°C 40% Chance of showers	 12°C 40% Chance of showers	 11°C Clear	 12°C Clear	 13°C Clear	 15°C Clear	

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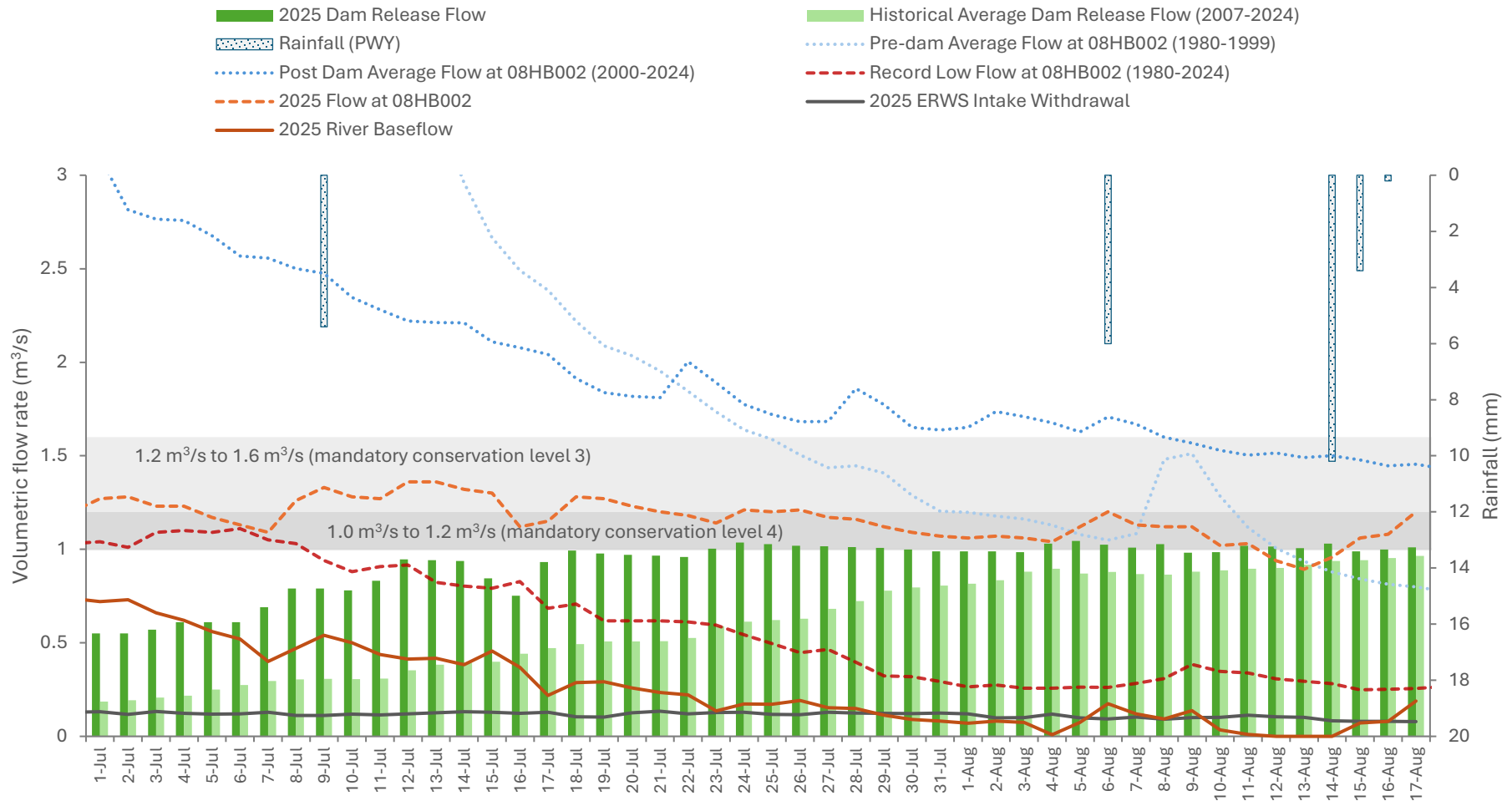
Arrowsmith Dam Lake Level



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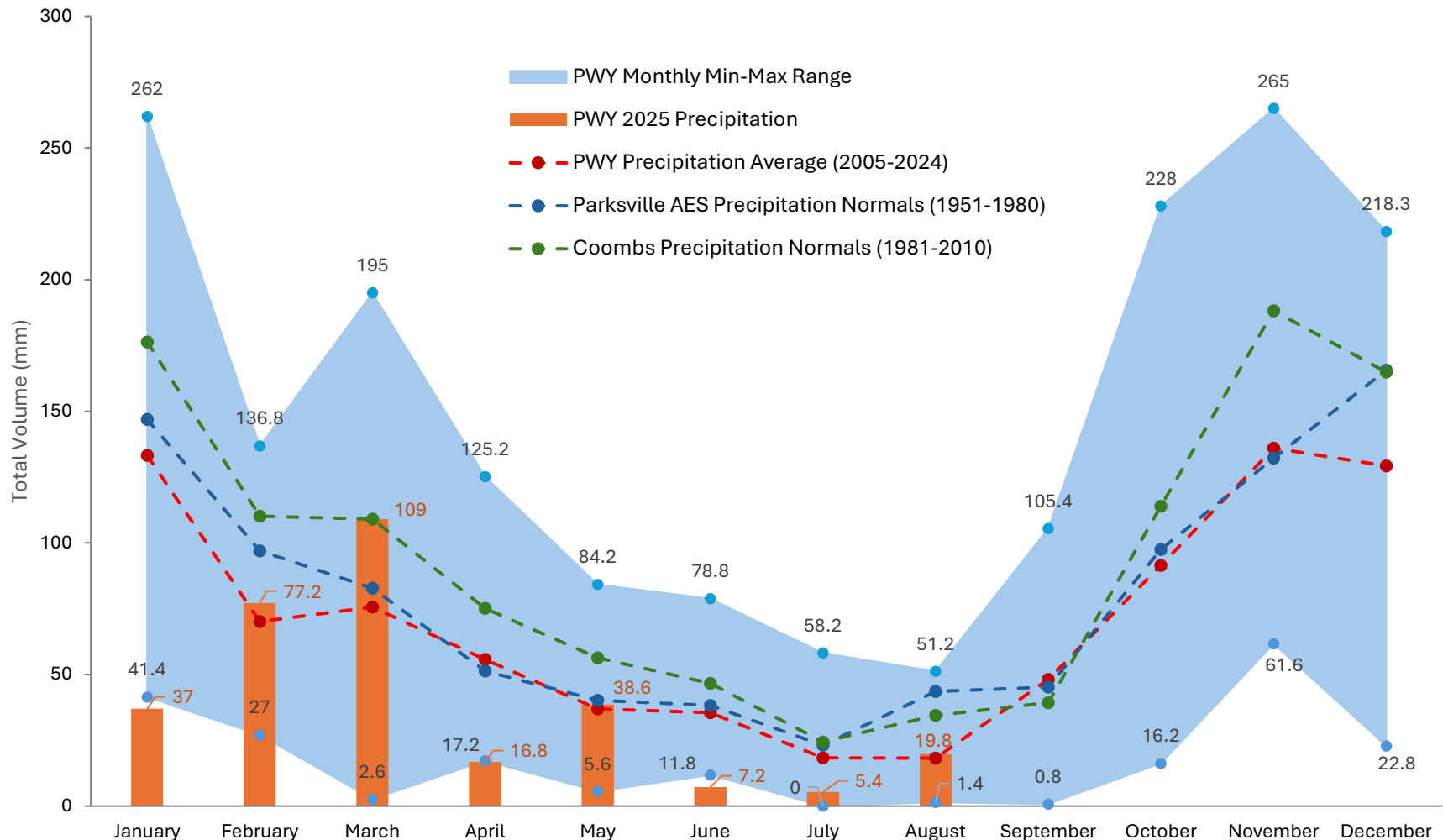
Historical average and current Arrowsmith Dam release flow (m^3/s), pre-dam average, post dam average, record low and current Englishman River flow (m^3/s) at WSC hydrometric gauge 08HB002, ERWS intake withdrawal (m^3/s), river baseflow (m^3/s) and rainfall



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Local Precipitation (Public Works Yard)



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Englishman River Daily Temperature and Turbidity (Downstream of Intake)

