



Arrowsmith Dam and Englishman River Weekly Report

August 31 to September 6, 2026

Summary

Arrowsmith Dam

Reservoir level (September 6): 814.36 m

Estimated volume (September 6): 3,320,000.00 m³

Weekly average release rate: 0.61 m³/s

Weekly total released volume: 368,078.44 m³

Englishman River

Weekly average baseflow estimate: 0.42 m³/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 0.95 m³/s

Weekly average ERWS intake withdrawal flow: 0.08 m³/s

Weekly total ERWS intake volume: 37,000.00 m³

Other

Snow water equivalent at station 3B26P: No snow left by May 10

Total weekly rainfall at PWY: 5.5 mm

Total weekly rainfall at Community Park: 10.6 mm

East Vancouver Island Drought Level: 1

Parksville's Level 3 water conservation enacted: June 1, 2026

Parksville's Level 4 water conservation enacted: July 3, 2026

Key Messages

- An Order under the Water Sustainability Act was received on August 5, 2026, authorizing a flow reduction of 0.80 m³/s at hydrometric gauge 08HB002, for the remainder of the flow release period, ending October 31, 2026. The order was issued to support water conservation at the Arrowsmith Reservoir, and as shown on page 2 and 3, the flow reduction has helped with water conservation.
- Over the past week, rainfall allowed operators to lower the release flow at the dam, aiding with the conservation efforts.
- The WSC Hydrometric Gauge 08HB002 was last calibrated on August 20. The data was corrected up to the last calibration. Operators maintained river levels based on available WSC data, and adjustments to flow could only be implemented once calibration and data correction were completed.

Weather Forecast (Qualicum Airport)

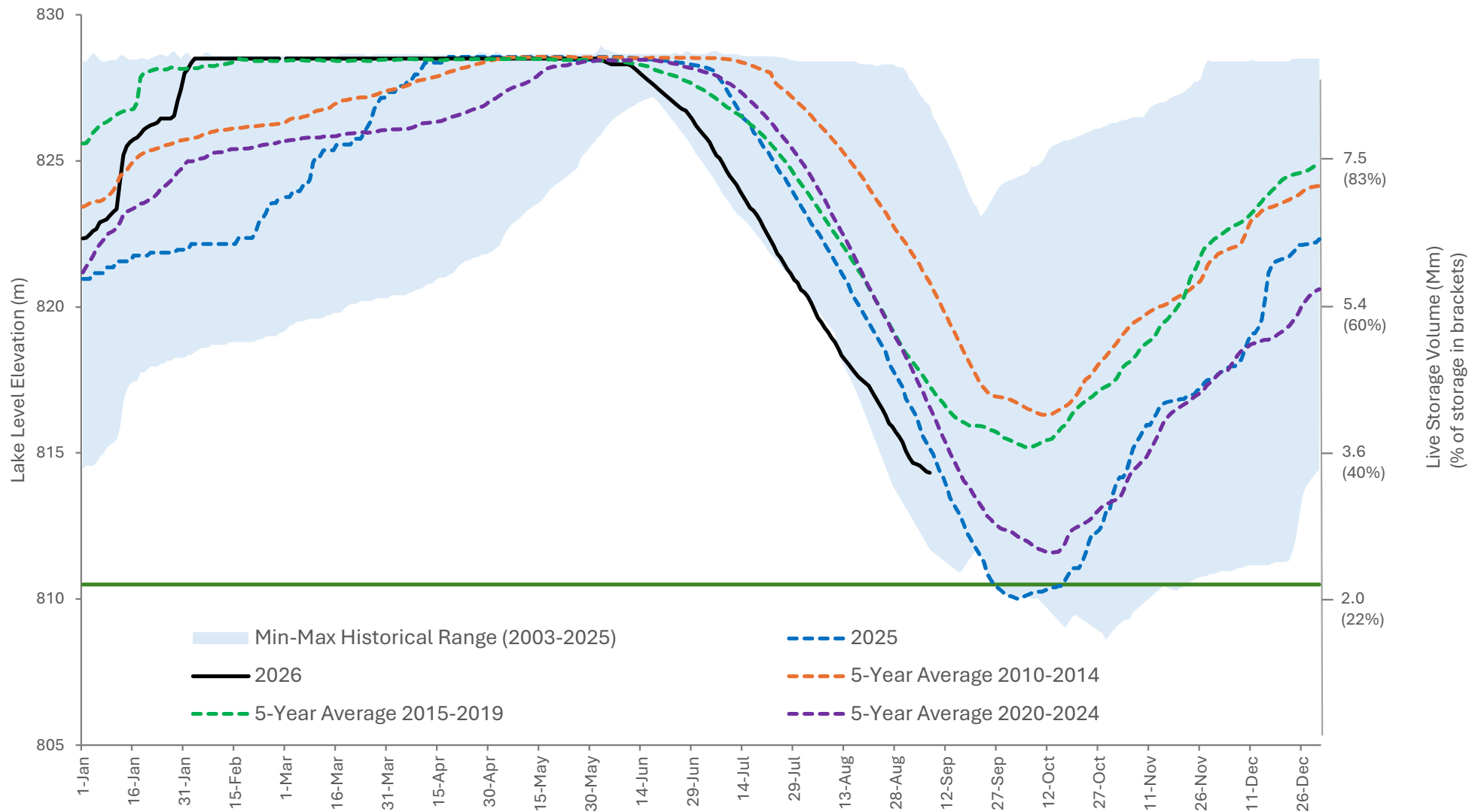


Tue 8 Sep	Wed 9 Sep	Thu 10 Sep	Fri 11 Sep	Sat 12 Sep	Sun 13 Sep	Mon 14 Sep
 21°C Mainly sunny	 21°C Mainly sunny	 19°C Sunny	 17°C Cloudy	 18°C 60% Chance of showers	 20°C A mix of sun and cloud	 20°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 11°C Clear	 14°C 40% Chance of showers	 11°C Clear	 12°C 60% Chance of showers	 10°C Cloudy periods	 10°C Cloudy periods	

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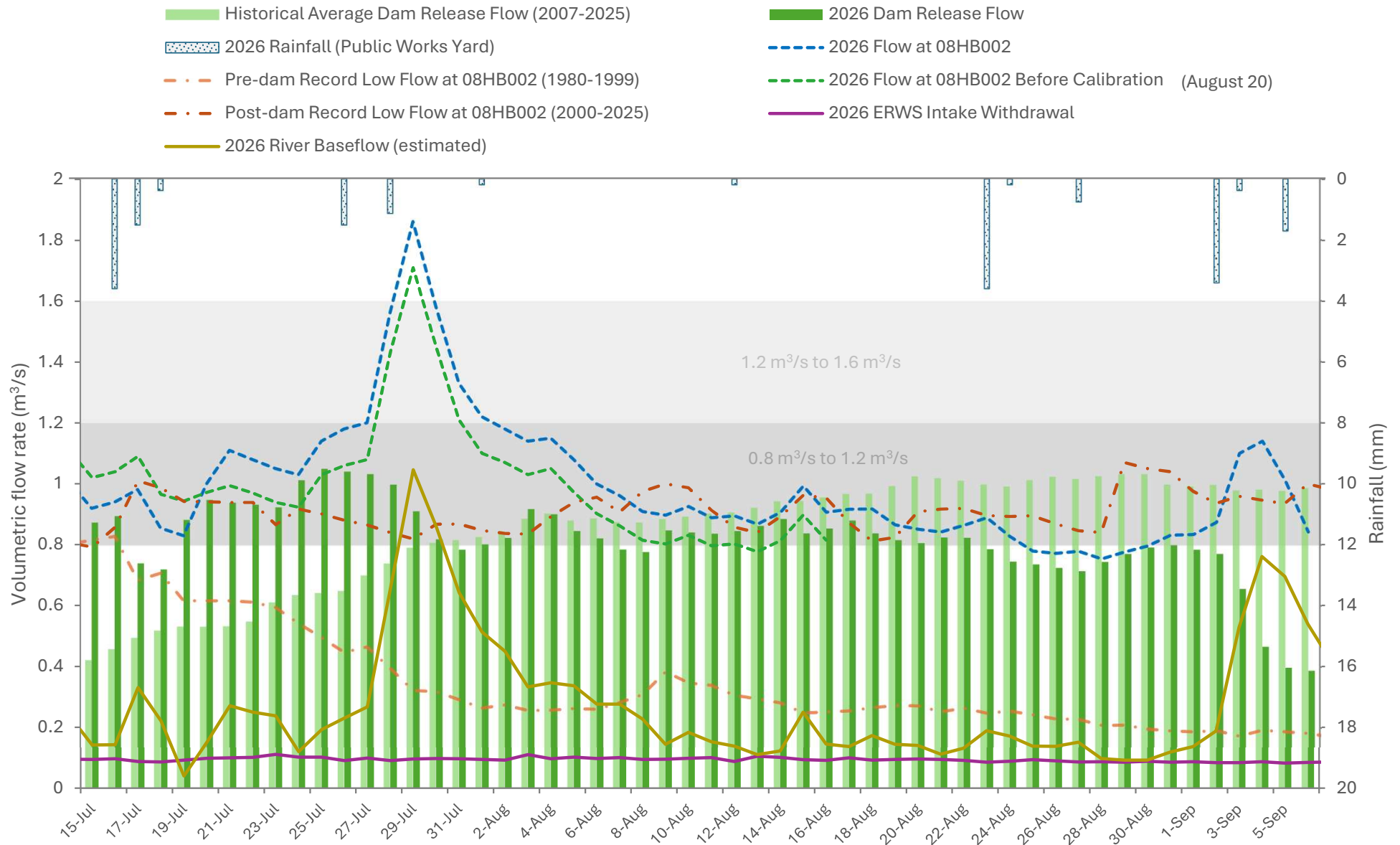
Arrowsmith Dam Reservoir Level



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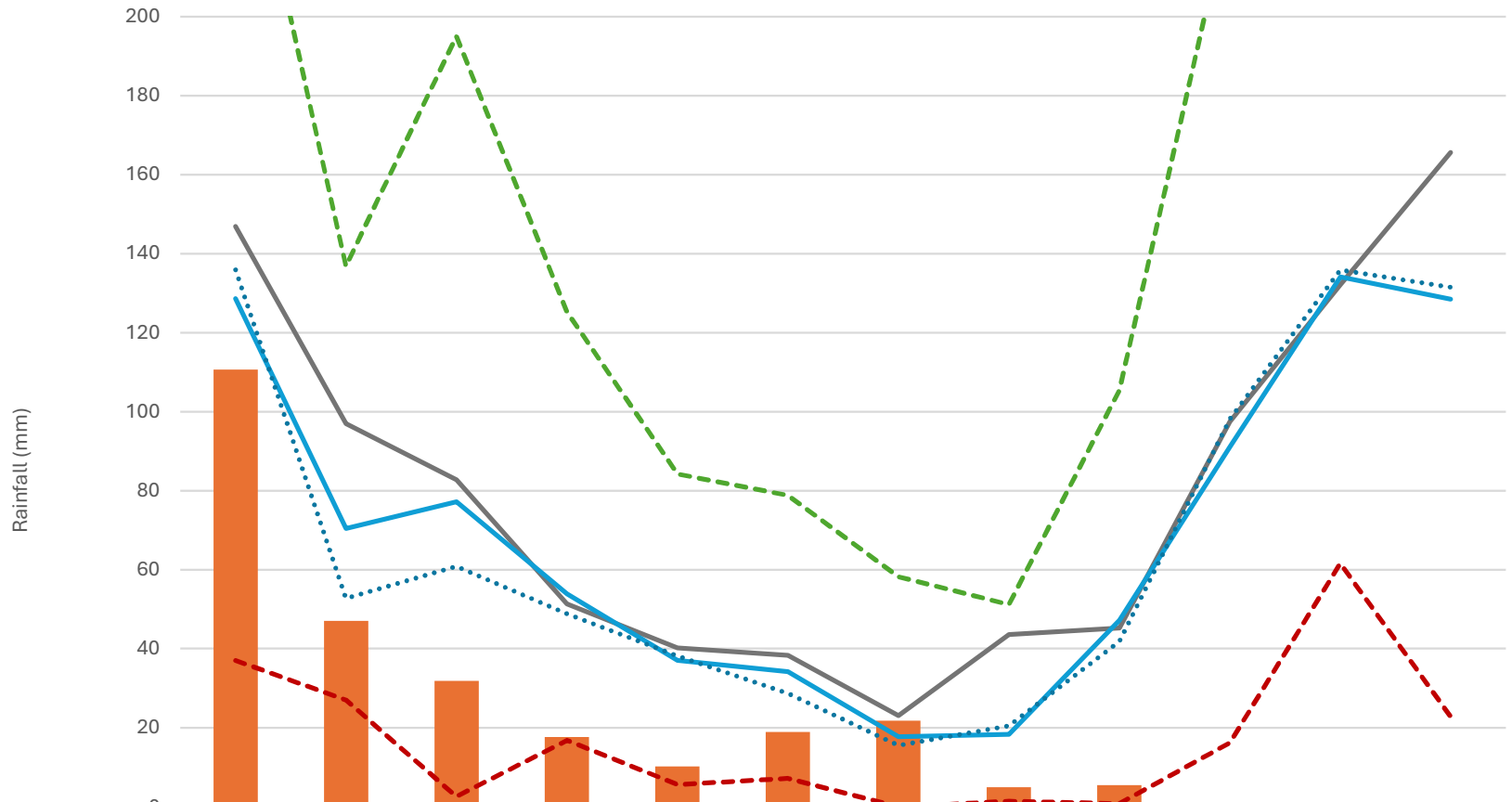
Volumetric Flow Rates and Rainfall



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Rainfall at Public Works Yard



2026	110.7	47.0	31.8	17.6	10.2	19.0	21.8	4.9	5.5			
Parksville AES Precipitation Normals (1951-1980)	146.9	97.0	82.8	51.3	40.2	38.3	23.1	43.6	45.2	97.5	132.2	165.6
Precipitation Average (2005-2025)	128.6	70.5	77.2	53.9	37.0	34.2	17.8	18.3	47.2	91.1	134.1	128.5
Precipitation Minimum (2005-2025)	37.0	27.0	2.6	16.8	5.6	7.2	0.0	1.4	0.8	16.2	61.6	22.8
Precipitation Maximum (2005-2025)	262.0	136.8	195.0	125.2	84.2	78.8	58.2	51.2	105.4	228.0	265.0	218.3
6-Year Precipitation Average (2020-2025)	135.9	52.7	60.8	48.8	38.2	28.7	15.5	20.5	41.8	98.1	135.8	131.5
Year with Highest Precipitation Maximum (2005-2025)	2006	2014	2016	2022	2011	2007	2011	2007	2021	2016	2009	2015
Year with Lowest Precipitation Minimum (2005-2025)	2025	2009	2019	2025	2018	2025	2013	2018	2022	2013	2019	2013

*AES: Atmospheric Environment Service



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Parksville & RDN (Nanoose Bay) Consumption During Water Conservation Level 2 to 4

