



Arrowsmith Dam and Englishman River Weekly Report

July 27 to August 2, 2026

Summary

Arrowsmith Dam

Reservoir level (August 2): 820.35 m

Estimated volume (August 2): 5,540,000.00 m³

Weekly average release rate: 0.88 m³/s

Weekly total released volume: 532,822.47 m³

Englishman River

Weekly average baseflow estimate: 0.51 m³/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.29 m³/s

Weekly average ERWS intake withdrawal flow: 0.10 m³/s

Weekly total ERWS intake volume: 50,760.00 m³

Other

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

Total weekly rainfall at PWY: 1.30 mm

Total weekly rainfall at Community Park: 1.40 mm

East Vancouver Island Drought Level: 2

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

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

Key Messages

- Dam release flows as of July 31st, have been slightly below average, as shown on page 3. This was likely due to recent rains that helped increase the baseflow at the Englishman River.
- On August 2, the Arrowsmith Dam lake level reached the minimum historical level for this time of the year, as seen on page 2.
- To conserve water in the Arrowsmith Reservoir and maintain adequate storage, operators frequently adjust the dam outflow to maintain a flow of 1.0m³/s at gauge 08HB002.
- The WSC Hydrometric Gauge 08HB002 was last calibrated on July 20. The data was corrected up to the last calibration. Operators maintained river levels based on available WSC data, and adjustments to increase flow could only be implemented once calibration and data correction were completed.

Weather Forecast (Qualicum Airport)

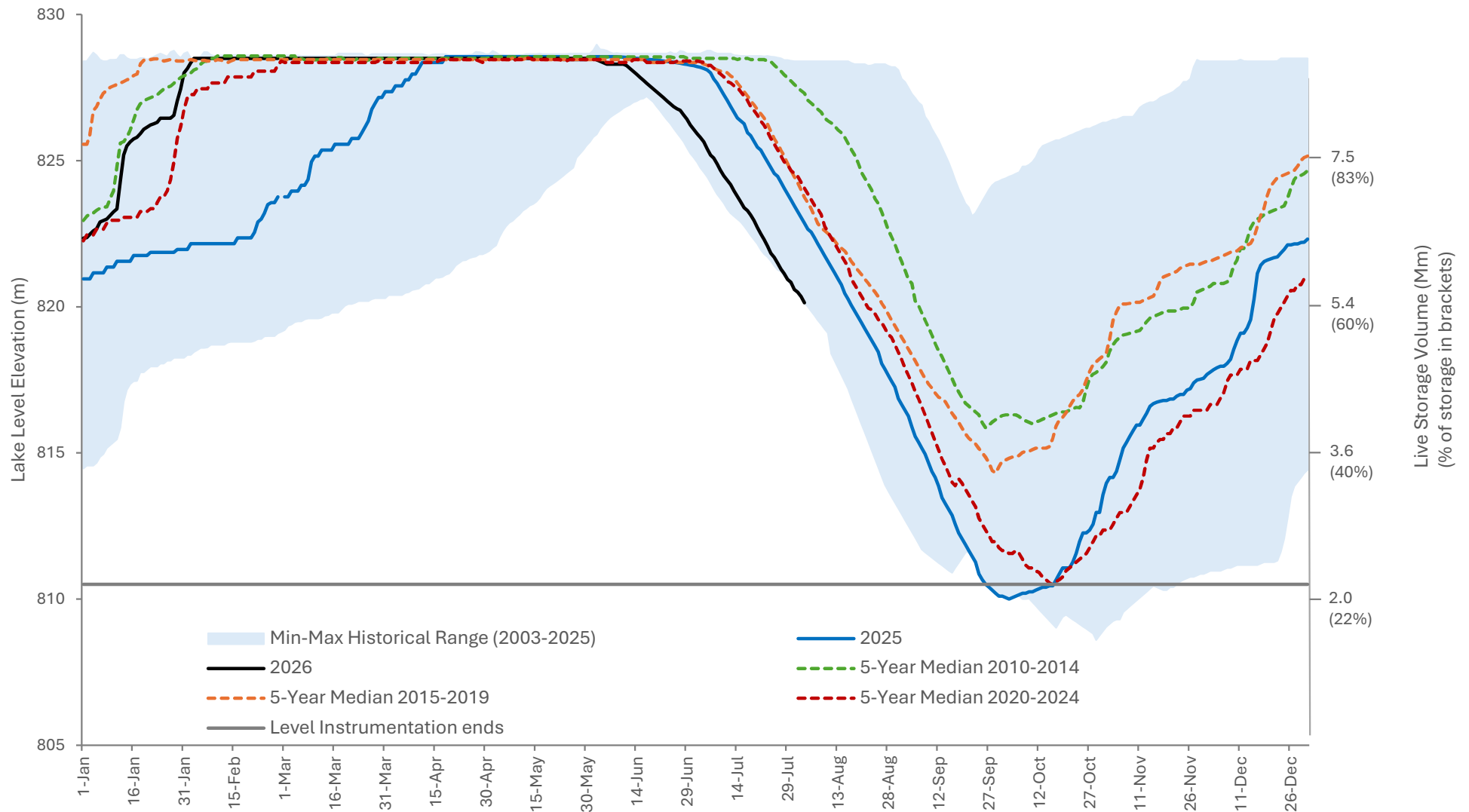


Tue 4 Aug	Wed 5 Aug	Thu 6 Aug	Fri 7 Aug	Sat 8 Aug	Sun 9 Aug	Mon 10 Aug
 27°C Sunny	 28°C Sunny	 27°C Sunny	 27°C Sunny	 24°C Sunny	 22°C Sunny	 24°C Sunny
Tonight	Night	Night	Night	Night	Night	
 13°C Clear	 16°C Clear	 17°C Clear	 16°C Clear	 14°C Clear	 14°C Clear	

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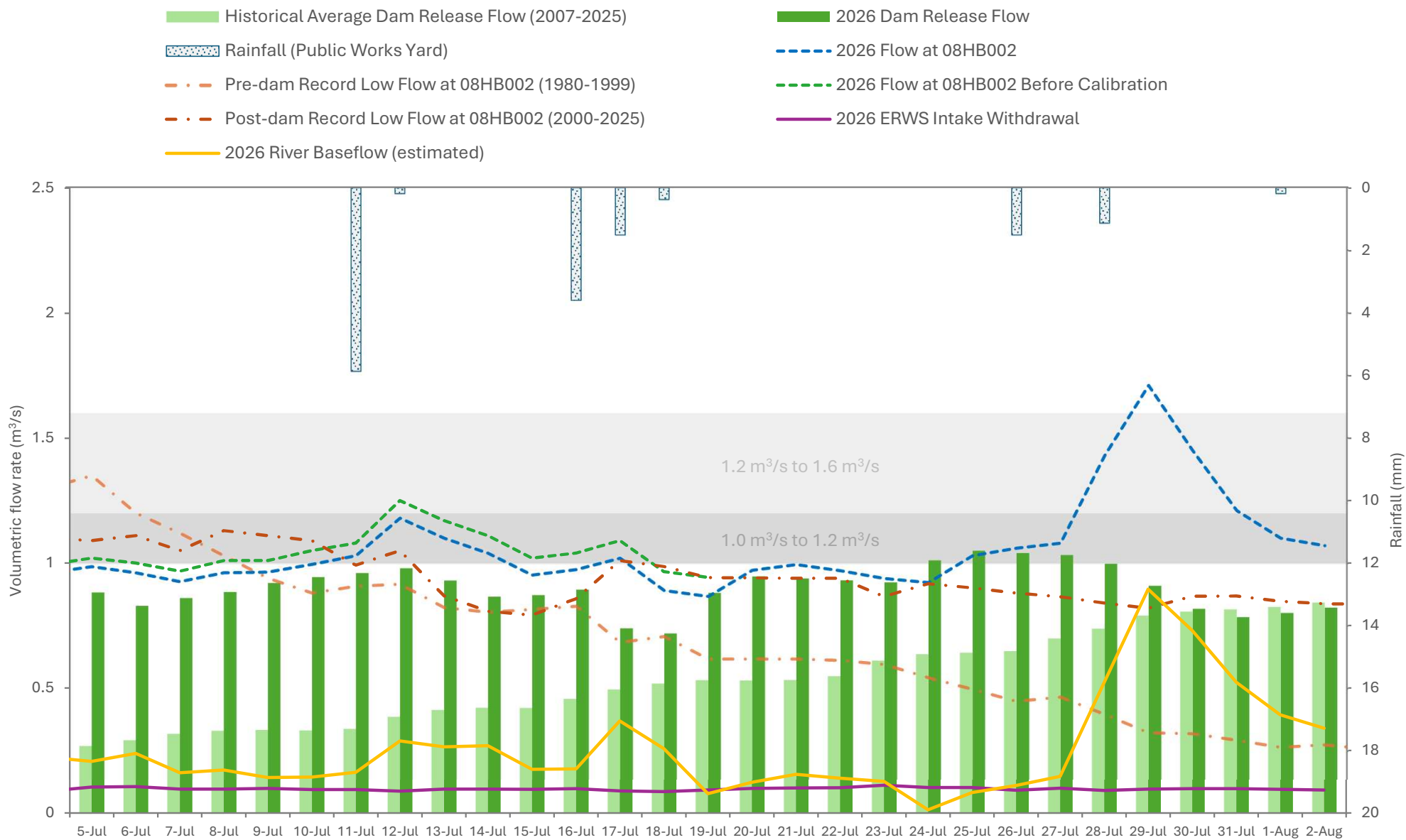
Arrowsmith Dam Reservoir Level



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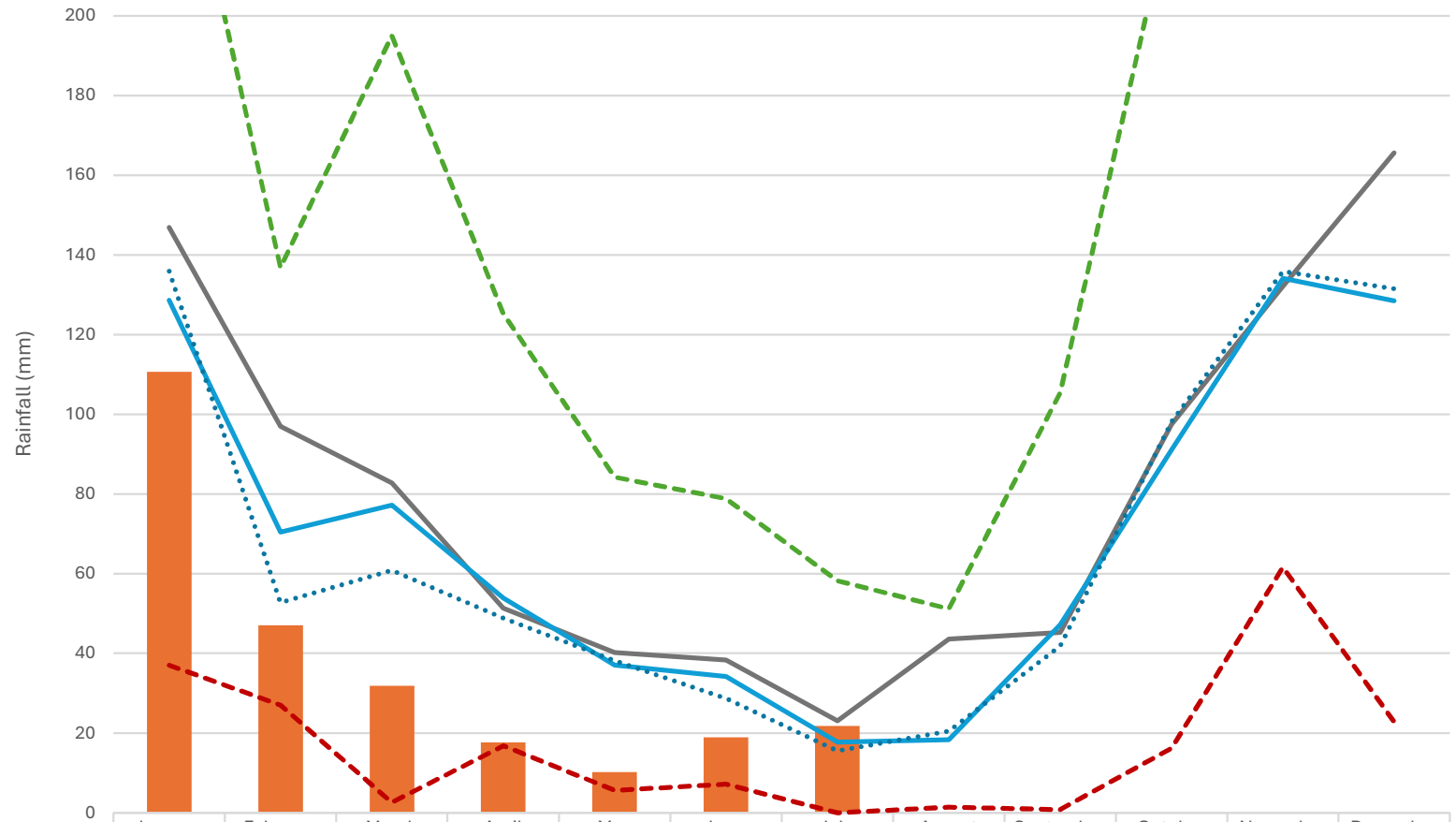
Volumetric Flow Rates and Rainfall



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Rainfall at Public Works Yard



2026	110.7	47.0	31.8	17.6	10.2	19.0	21.8					
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

