

Arrowsmith Dam and Englishman River Weekly Report

July 6 to July 12, 2026

Summary

Arrowsmith Dam

Reservoir level (July 12): 824.18 m

Estimated volume (July 12): 7,100,000.00 m³

Weekly average release rate: 0.91 m³/s

Weekly total released volume: 551,308.58 m³

Englishman River

Weekly average baseflow estimate: 0.24 m³/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.05 m³/s

Weekly average ERWS intake withdrawal flow: 0.10 m³/s

Weekly total ERWS intake volume: 45,180.00 m³

Other

Snow water equivalent at station 3B26P (July 12) : 0.00 mm

Total weekly rainfall at PWY: 6.10 mm

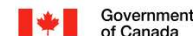
Total weekly rainfall at Community Park: 10.60 mm

East Vancouver Island Drought Level: 4

Key Messages

- Warmer and dryer-than-normal conditions are driving higher-than-normal flow releases from the dam, as shown on page 3.
- Historically, baseflow at Water Survey of Canada (WSC) Hydrometric Gauge 08HB002 are higher at this time of year, which generally requires less release from the dam.
- To conserve water in the Arrowsmith Reservoir and maintain adequate storage should drought conditions persist, operators are maintaining a flow of 1.0m³/s at gauge 08HB002.
- The WSC Hydrometric Gauge 08HB002 was calibrated on June 24. The data was corrected up to the last calibration. Page 3 illustrates the difference between previously reported and corrected flow values. 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)

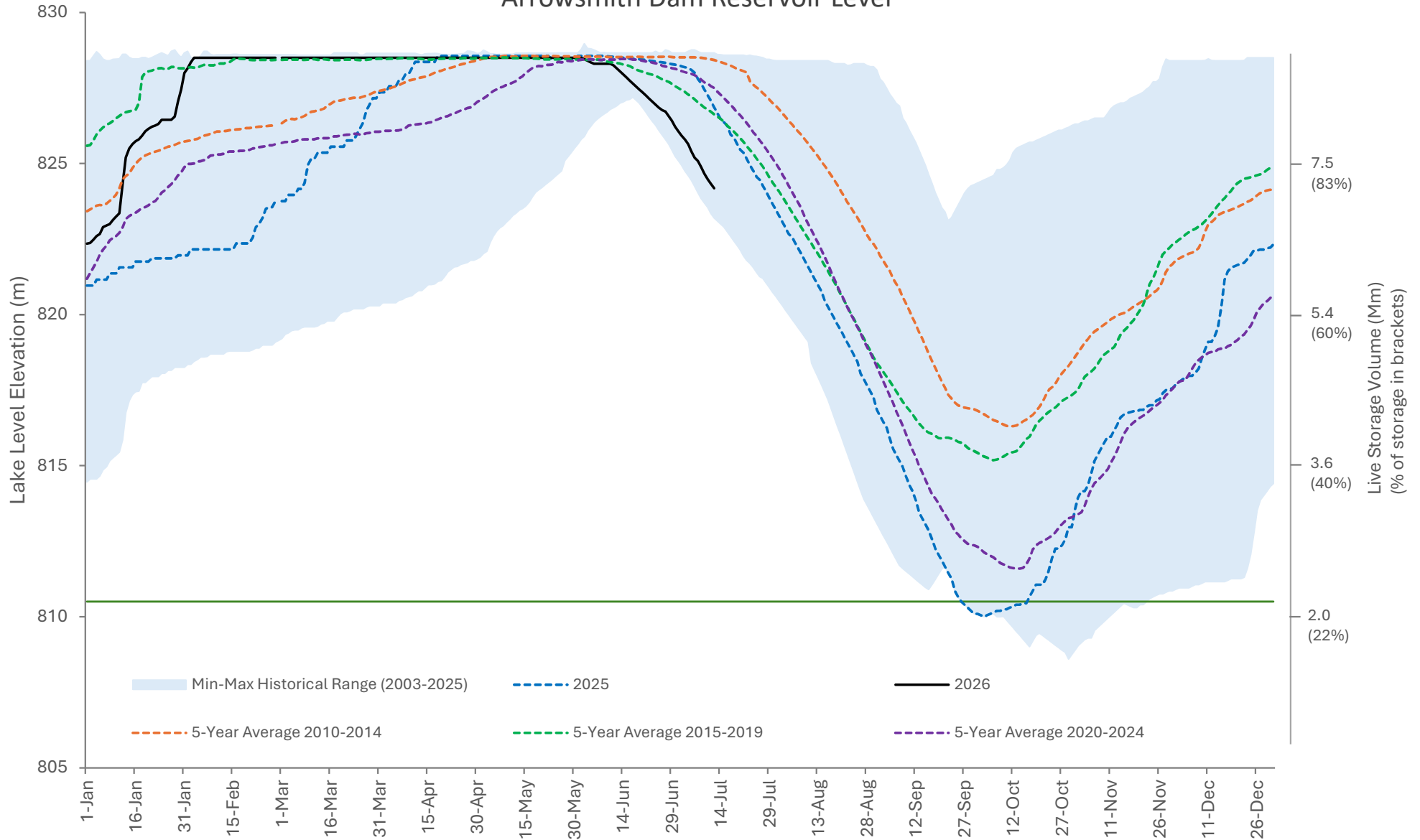


Mon 13 Jul	Tue 14 Jul	Wed 15 Jul	Thu 16 Jul	Fri 17 Jul	Sat 18 Jul	Sun 19 Jul
 23°C A mix of sun and cloud	 24°C Mainly sunny	 24°C 30% Chance of showers	 23°C Cloudy	 25°C A mix of sun and cloud	 24°C A mix of sun and cloud	 27°C Sunny
Tonight	Night	Night	Night	Night	Night	
 11°C 60% Chance of showers	 11°C Clear	 15°C Cloudy periods	 15°C Cloudy periods	 16°C Cloudy periods	 15°C Cloudy periods	

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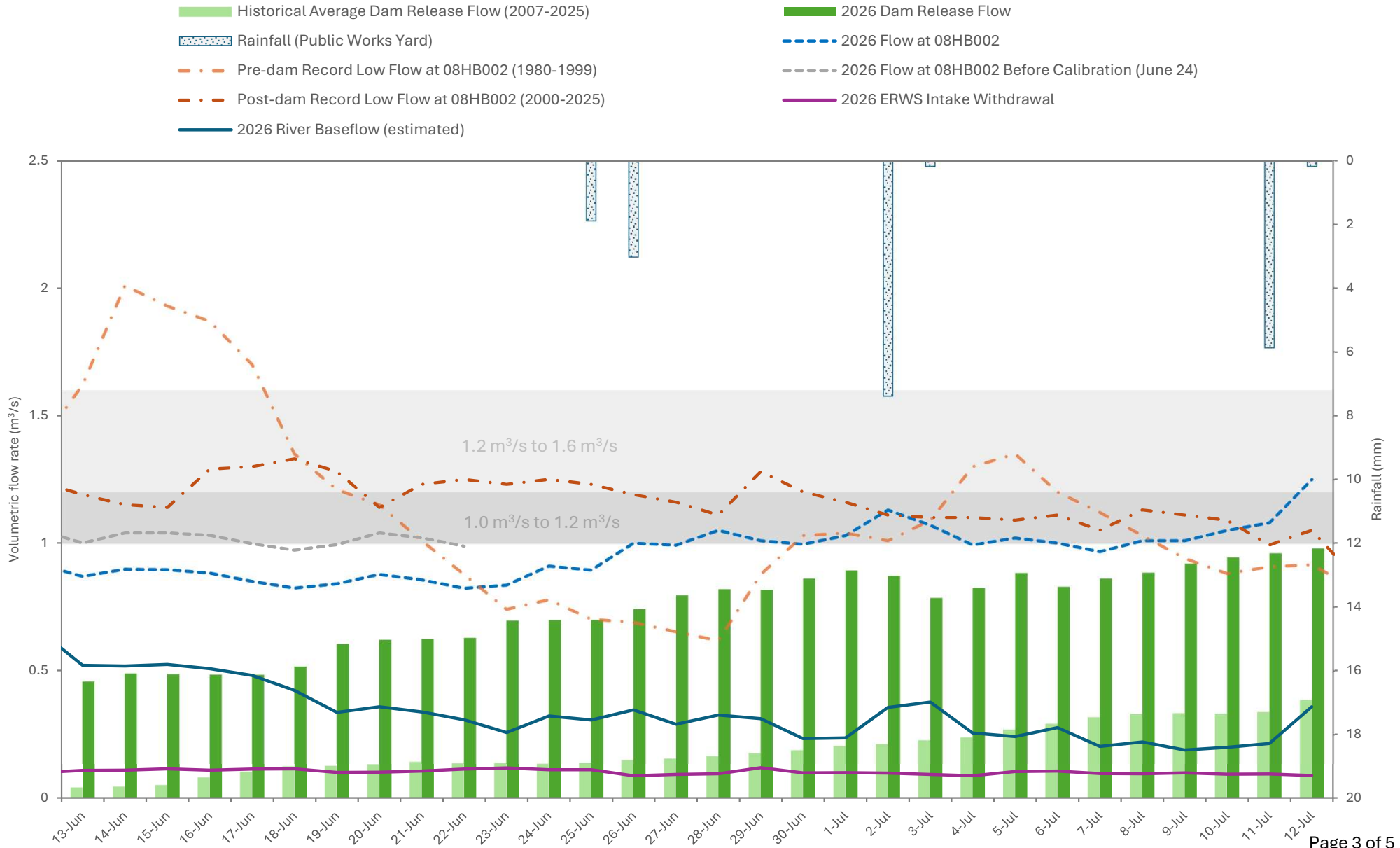
Arrowsmith Dam Reservoir Level



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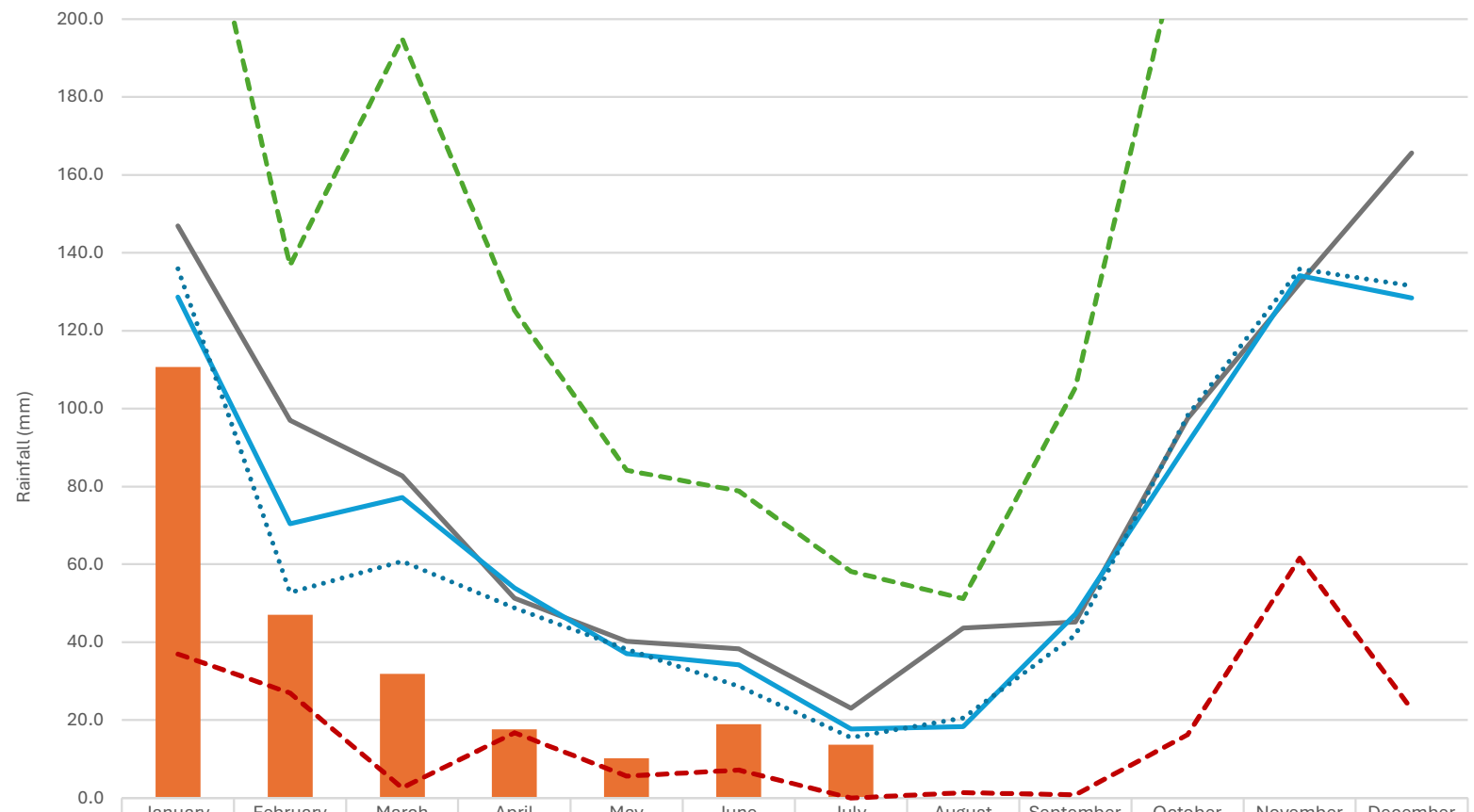
Volumetric Flow Rates and Rainfall



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Rainfall at Public Works Yard



2026	110.7	47.0	31.8	17.6	10.2	19.0	13.6					
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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Snow Water Equivalent – Station 3B26P

