Arrowsmith Dam and Englishman River Weekly Report

October 5 to October 11, 2026

Summary

Arrowsmith Dam

Reservoir level (October 11): 810.83 m

Estimated volume (October 11): 2,240,000.00 m^3

Weekly average release rate: 0.21 m^3/s

Weekly total released volume: 125,664.25 m^3

Englishman River

Weekly average baseflow estimate: 0.55 m^3/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 0.68 m^3/s

Weekly average ERWS intake withdrawal flow: 0.08 m^3/s

Weekly total ERWS intake volume: 31,380.00 m^3

Other

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

Total weekly rainfall at PWY: 2.5 mm

Total weekly rainfall at Community Park: 1.8 mm

East Vancouver Island Drought Level: 1

Parksville's Level 3 water conservation: June 1-July 2 and October 2-ongoing

Parksville's Level 4 water conservation: July 3-October 1

Key Messages

- An Order under the Water Sustainability Act was received on August 5, 2026, authorizing a flow reduction of 0.80 m^3/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.
- The WSC Hydrometric Gauge 08HB002 was last calibrated on October 9. The data was corrected up to the last calibration. Operators maintain river levels based on available WSC data, and adjustments to flow are implemented once calibration and data correction are completed.

Weather Forecast (Qualicum Airport)

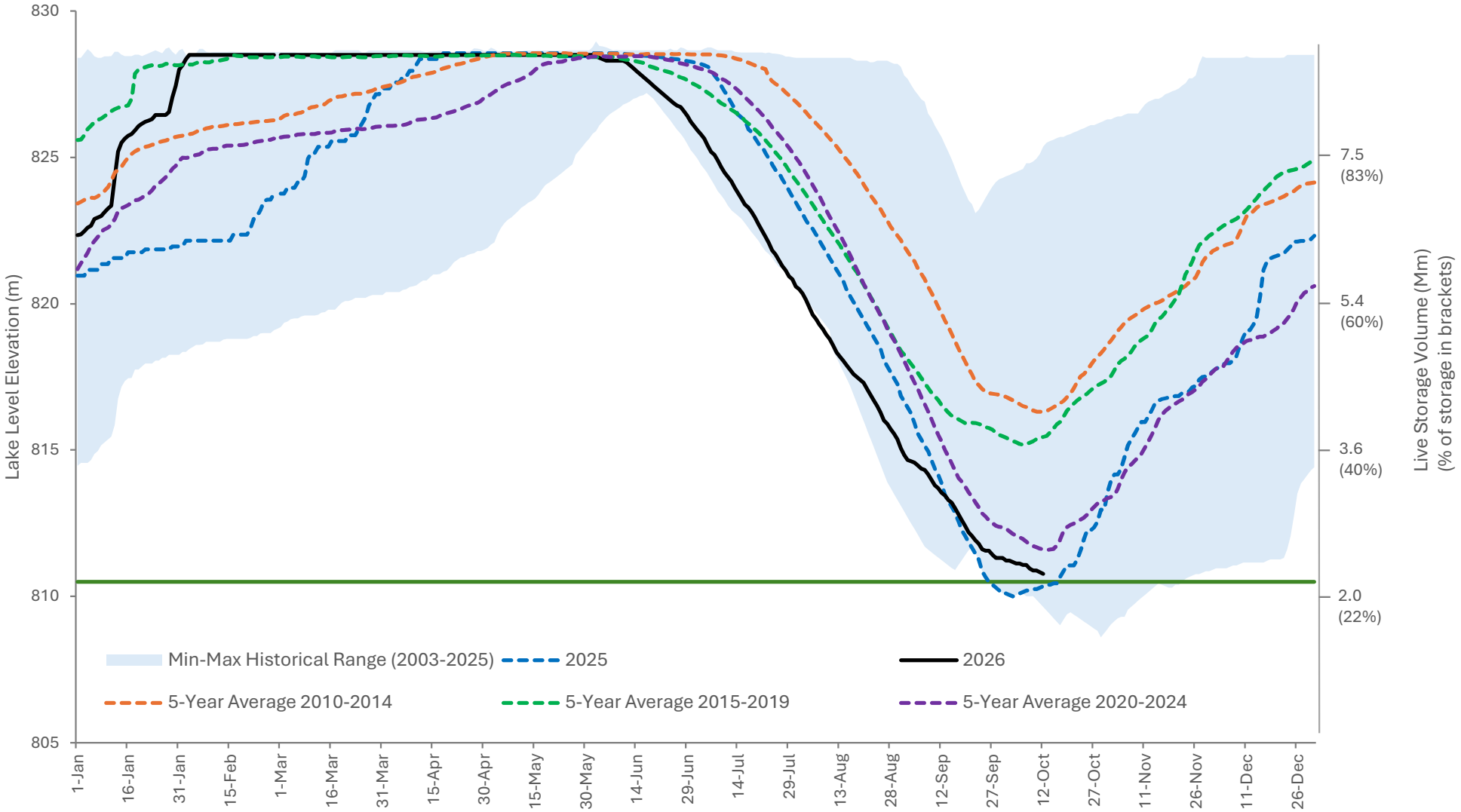
Government of Canada

Tue 13 Oct	Wed 14 Oct	Thu 15 Oct	Fri 16 Oct	Sat 17 Oct	Sun 18 Oct	Mon 19 Oct
13°C 30% Chance of showers	14°C 70% Chance of showers	16°C A mix of sun and cloud	17°C A mix of sun and cloud	15°C A mix of sun and cloud	13°C 60% Chance of showers	12°C Showers
Tonight	**Night**	**Night**	**Night**	**Night**	**Night**	
10°C 70% Chance of showers	9°C Cloudy periods	9°C Cloudy periods	10°C Showers	7°C Cloudy	8°C Periods of rain	

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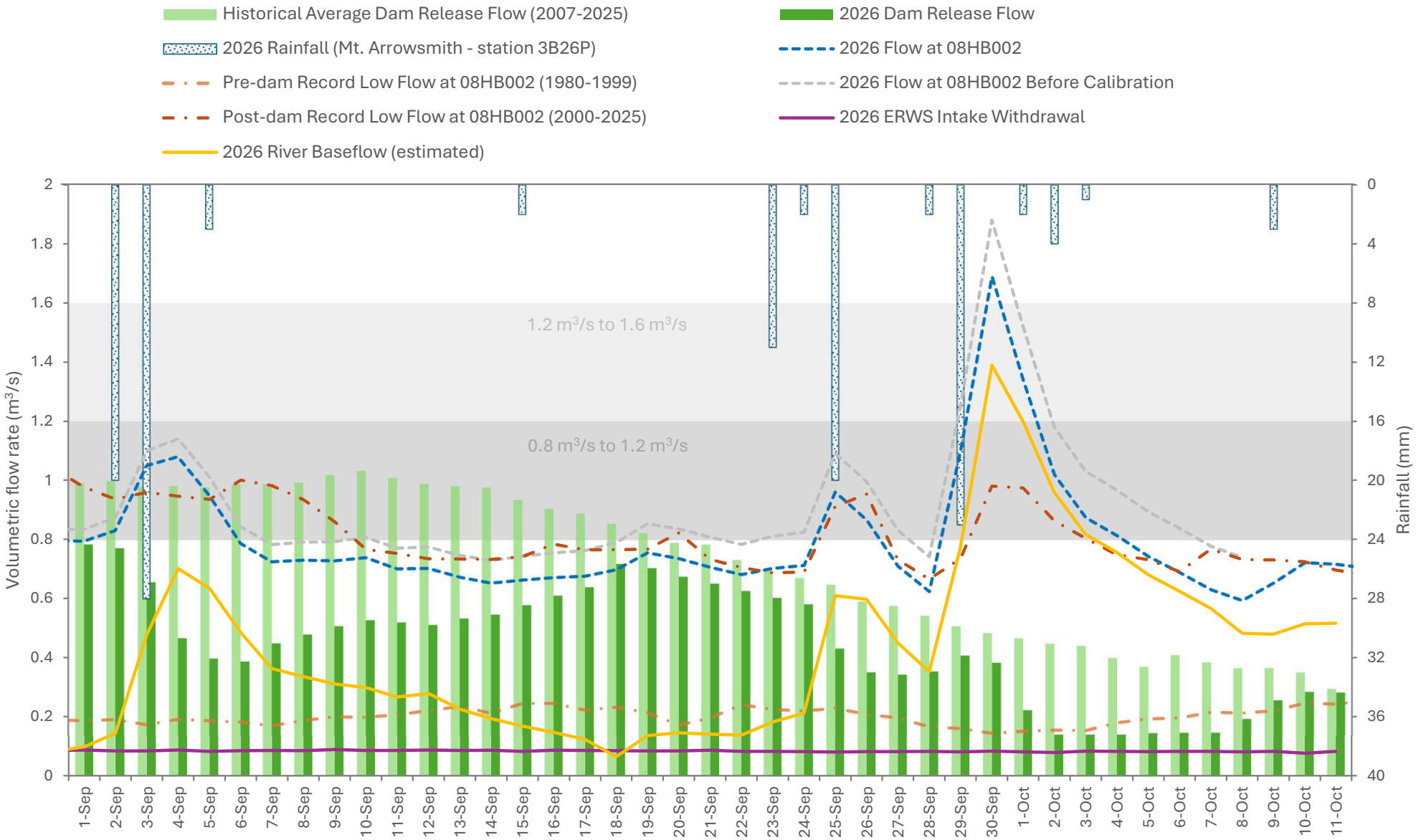
Arrowsmith Dam Reservoir Level



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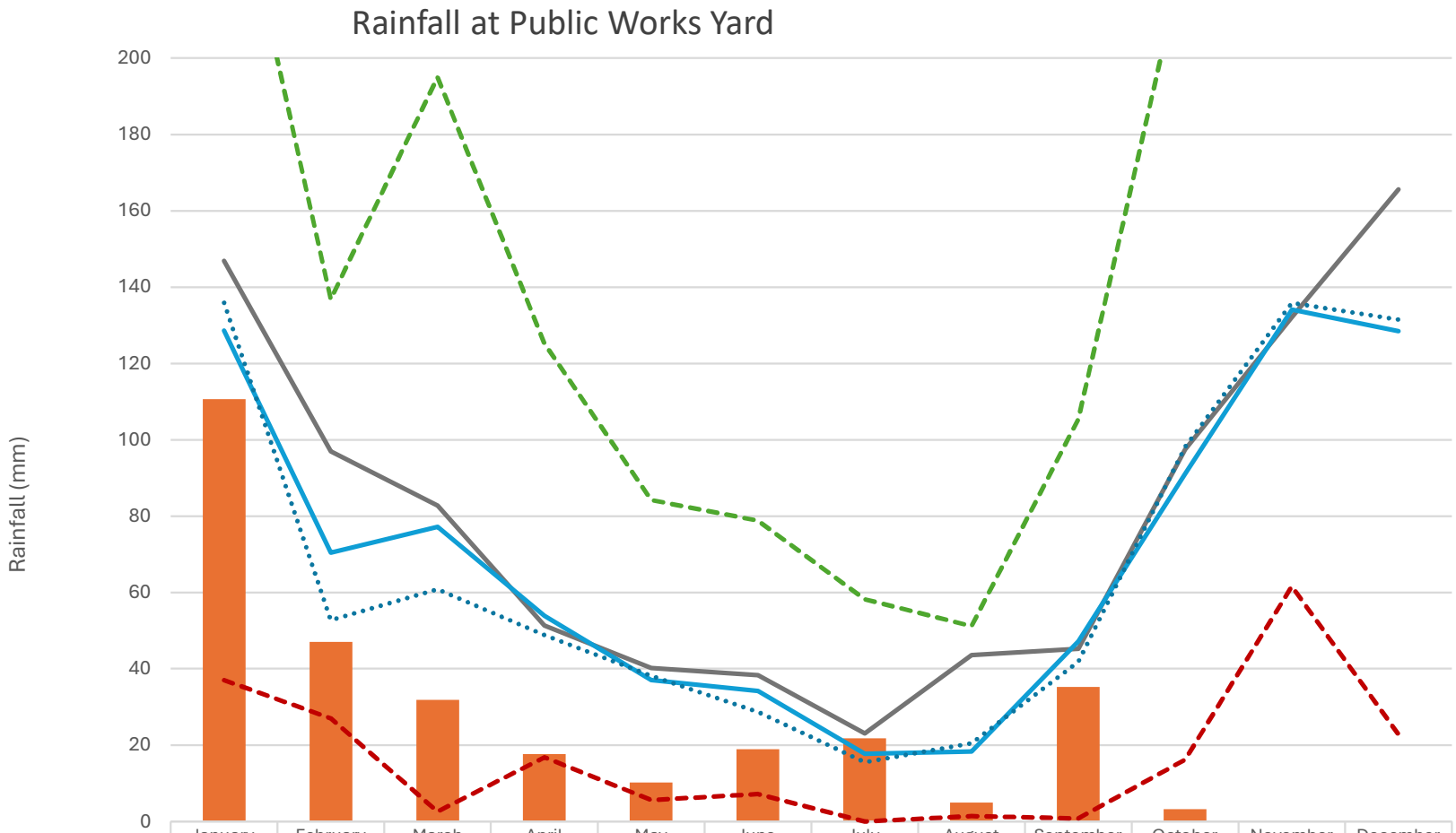
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Volumetric Flow Rates and Rainfall



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	January	February	March	April	May	June	July	August	September	October	November	December
2026	110.7	47.0	31.8	17.6	10.2	19.0	21.8	4.9	35.2	3.2		
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 2-4

