Arrowsmith Dam and Englishman River Weekly Report

August 17 to August 23, 2026

Summary

Arrowsmith Dam

Reservoir level (August 23): 816.7 m

Estimated volume (August 23): 4,180,000.00 m^3

Weekly average release rate: 0.82 m^3/s

Weekly total released volume: 498,802.02 m^3

Englishman River

Weekly average baseflow estimate: 0.15 m^3/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 0.88 m^3/s

Weekly average ERWS intake withdrawal flow: 0.09 m^3/s

Weekly total ERWS intake volume: 47,470.00 m^3

Other

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

Total weekly rainfall at PWY: 3.6 mm

Total weekly rainfall at Community Park: 3.8 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

- An Order under the Water Sustainability Act was received on August 5, 2026. This order allows for a flow reduction of 0.80 m^3/s at hydrometric gauge 08HB002 for the remainder of the flow release period, which ends on October 31, 2026. This order was received to aid with conservation at the Arrowsmith Reservoir.
- 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 increase flow could only be implemented once calibration and data correction were completed.
- On August 22-23 there was a glitch that significantly changed the reading of the level transducer. Visual reading are taken weekly during regular inspections.

Weather Forecast (Qualicum Airport)

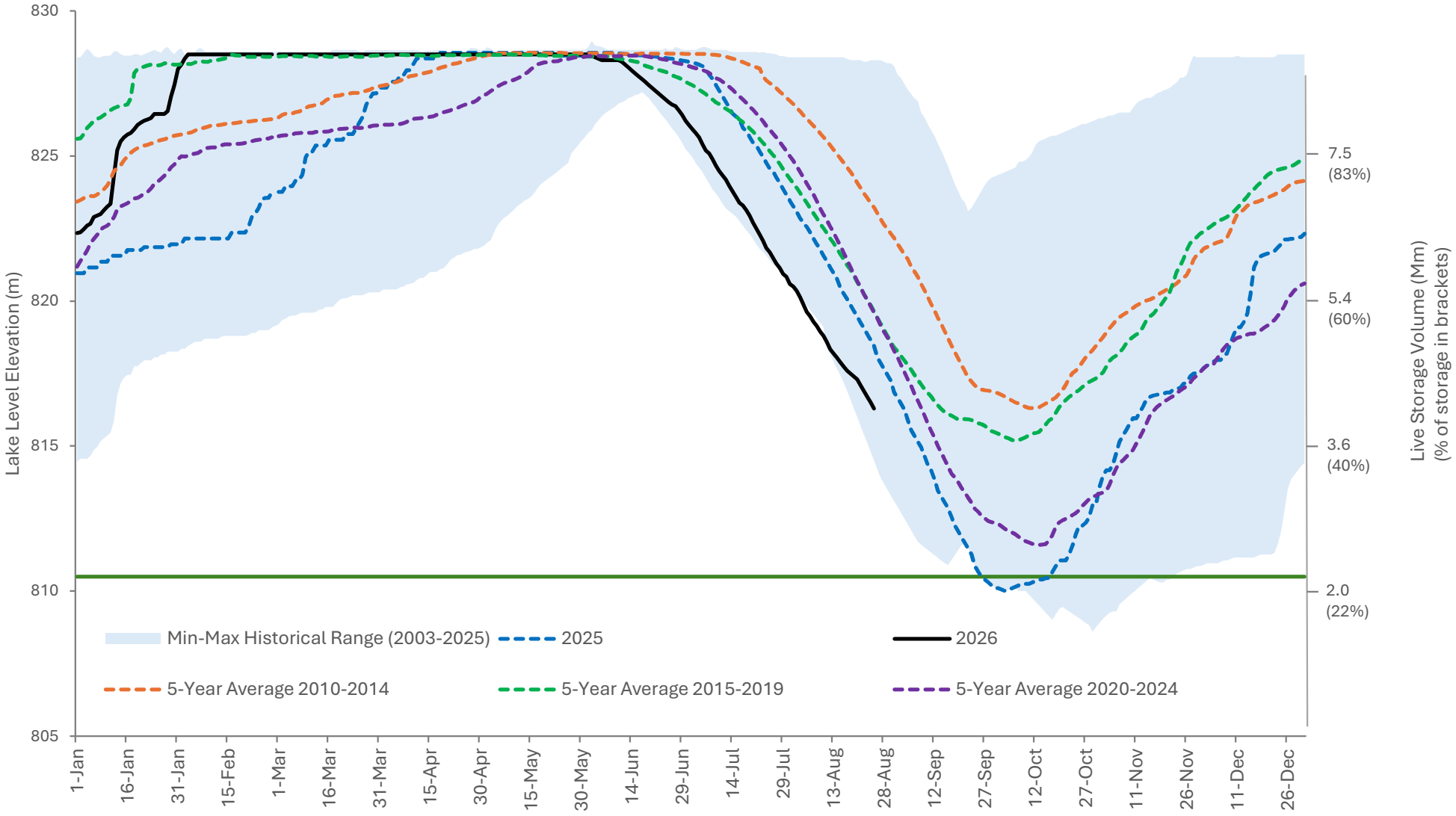
Government of Canada

Mon 24 Aug	Tue 25 Aug	Wed 26 Aug	Thu 27 Aug	Fri 28 Aug	Sat 29 Aug	Sun 30 Aug
25°C Clearing	25°C 60% Chance of showers	22°C 60% Chance of showers	21°C 30% Chance of showers	20°C A mix of sun and cloud	20°C A mix of sun and cloud	19°C A mix of sun and cloud
Tonight	**Night**	**Night**	**Night**	**Night**	**Night**	
13°C Clear	14°C 60% Chance of showers	14°C 60% Chance of showers	13°C Cloudy periods	13°C Cloudy periods	12°C Cloudy periods	

Arrowsmith Dam and Englishman River Weekly Report

August 17 to August 23, 2026

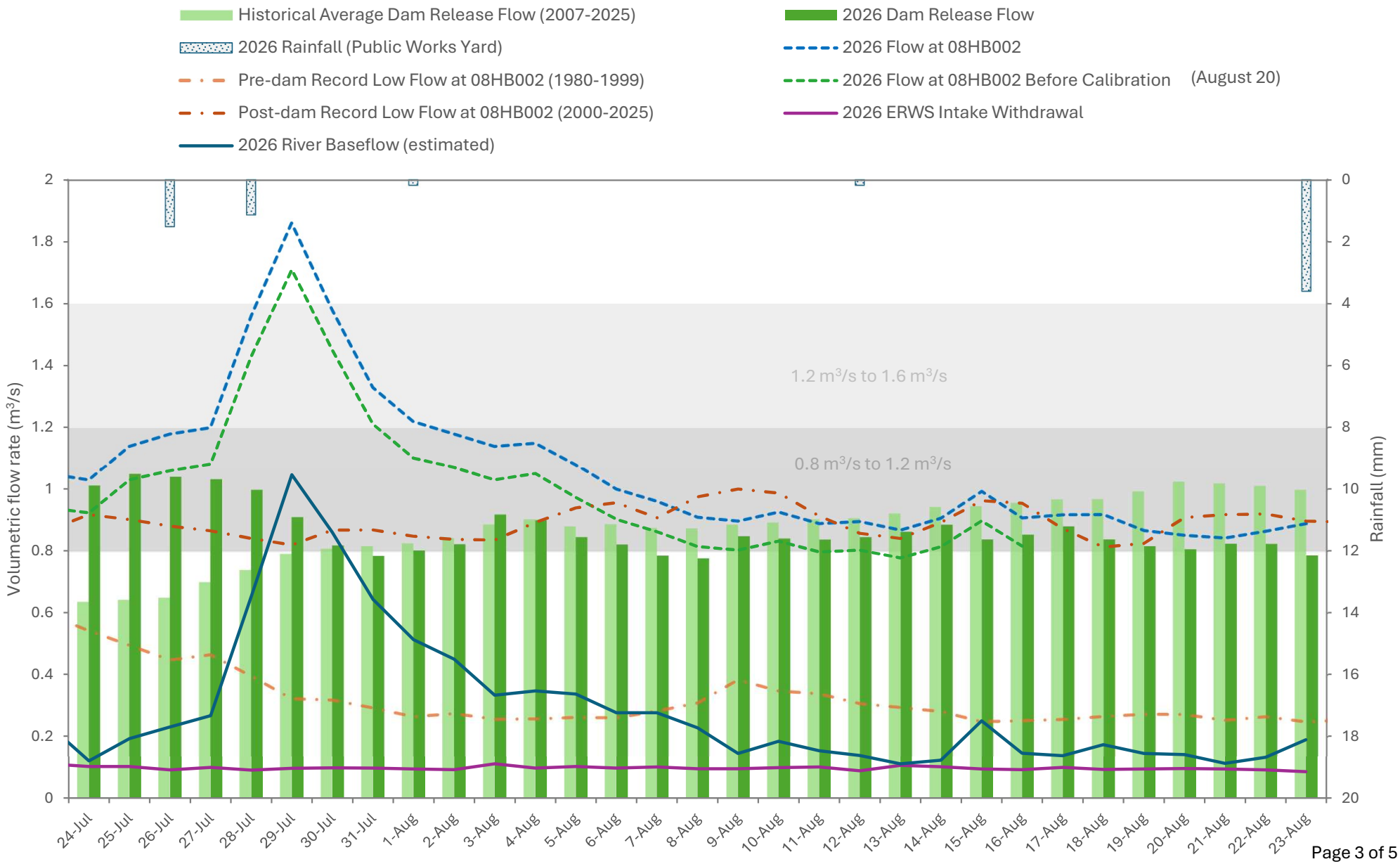
Arrowsmith Dam Reservoir Level



Arrowsmith Dam and Englishman River Weekly Report

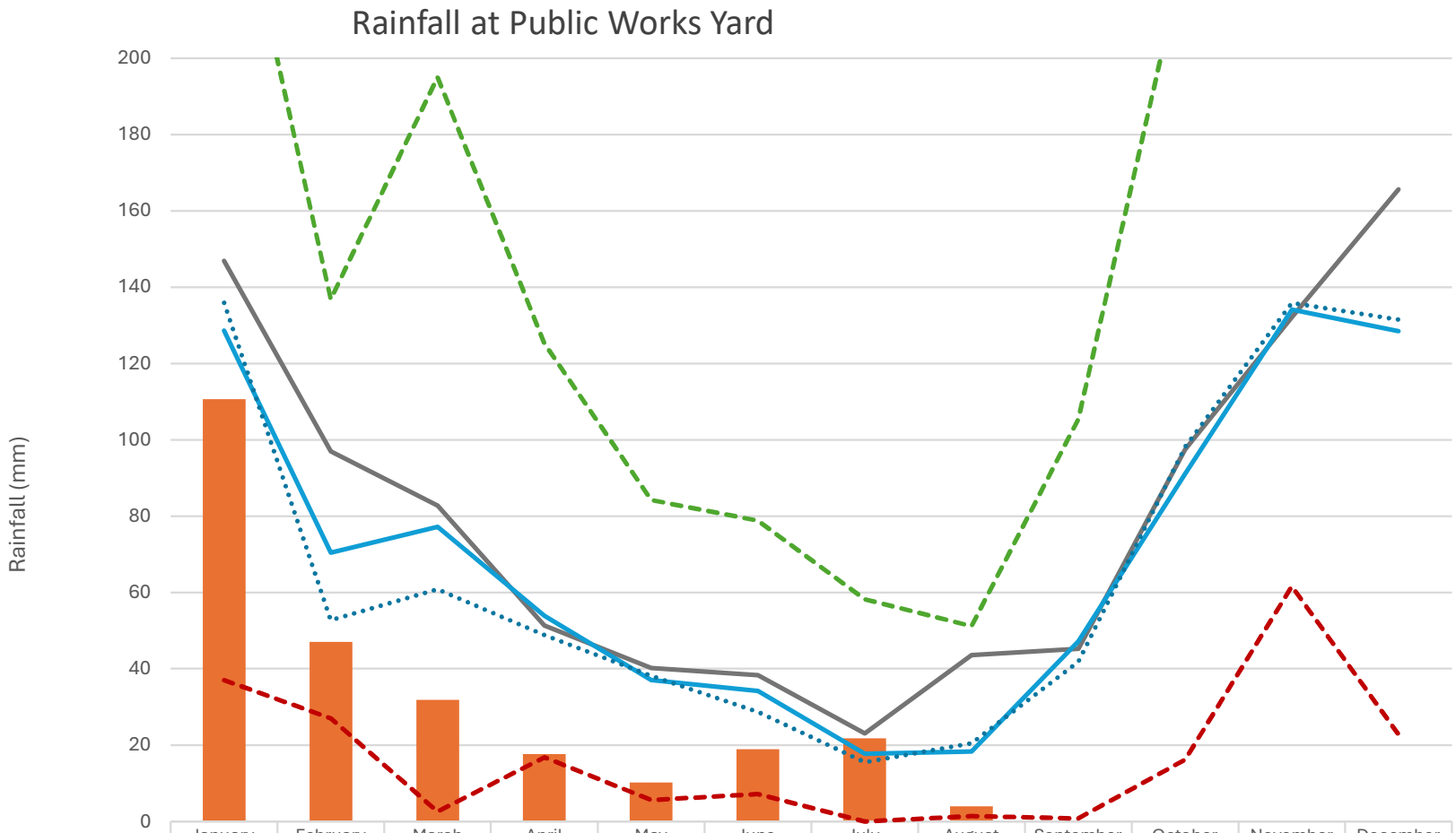
August 17 to August 23, 2026

Volumetric Flow Rates and Rainfall



Arrowsmith Dam and Englishman River Weekly Report

August 17 to August 23, 2026



	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	4.0				
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

Arrowsmith Dam and Englishman River Weekly Report

August 17 to August 23, 2026

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

