

Arrowsmith Dam and Englishman River Weekly Report

July 20 to July 26, 2026

Summary

Arrowsmith Dam

Reservoir level (July 26): 821.49 m

Estimated volume (July 26): 5,975,000.00 m³

Weekly average release rate: 0.98 m³/s

Weekly total released volume: 591,218.49 m³

Englishman River

Weekly average baseflow estimate: 0.11 m³/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 0.98 m³/s

Weekly average ERWS intake withdrawal flow: 0.10 m³/s

Weekly total ERWS intake volume: 50,040.00 m³

Other

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

Total weekly rainfall at PWY: 1.50 mm

Total weekly rainfall at Community Park: 2.40 mm

East Vancouver Island Drought Level: 3

Parksville Level 3 water conservation enacted: June 1, 2026

Level 4 water conservation enacted: July 3, 2026

Key Messages

- Warmer and dryer-than-normal conditions are driving higher-than-normal flow releases from the dam, as shown on page 3.
- The Arrowsmith Dam lake level is getting closer to reaching record-breaking low levels for this time of the year, as seen on page 2.
- Historically, baseflow at Water Survey of Canada (WSC) Hydrometric Gauge 08HB002 are higher at this time of year, requiring less release from the dam.
- To conserve water in the Arrowsmith Reservoir and maintain adequate storage should drought conditions persist, 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)

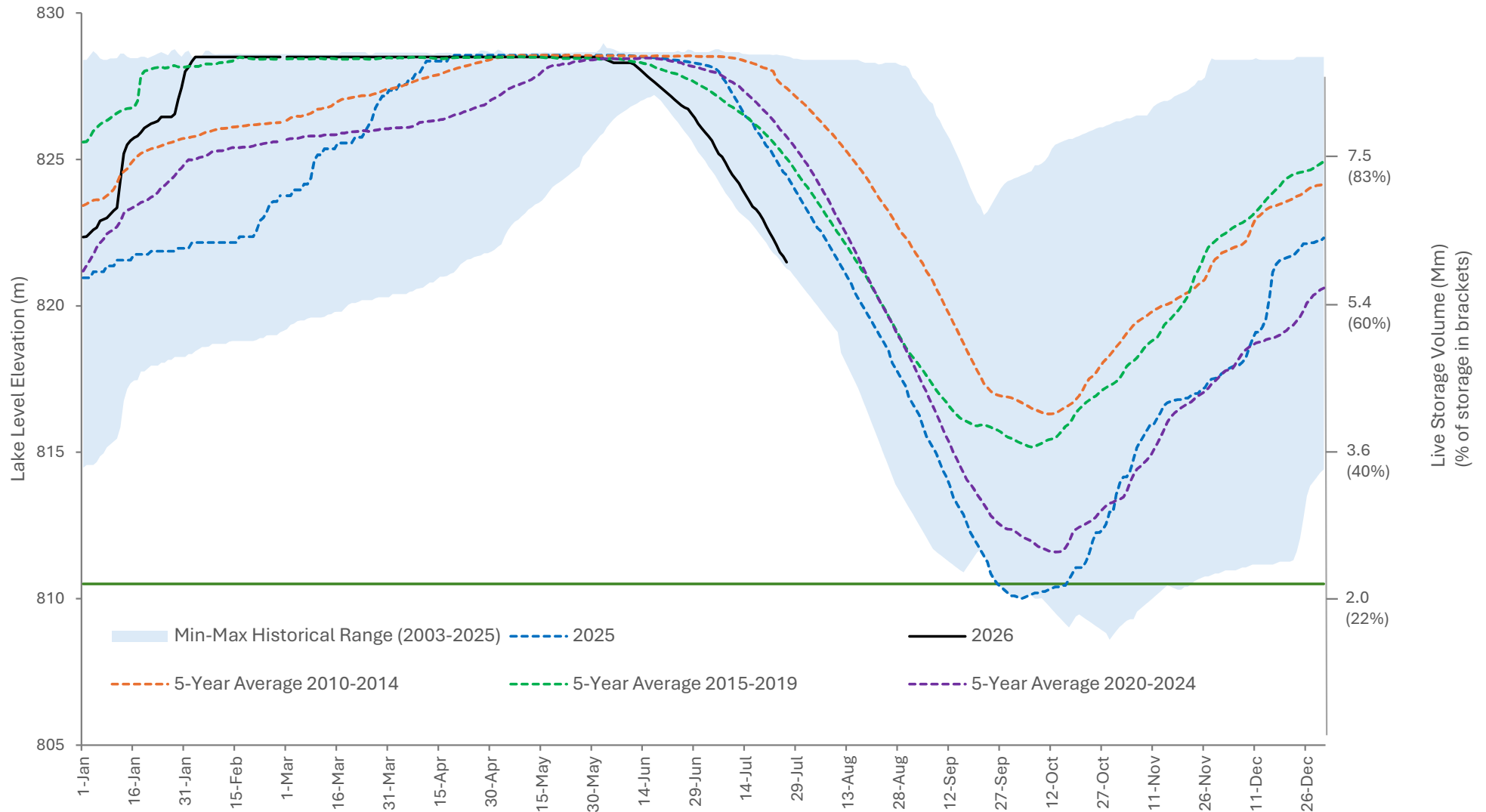


Mon 27 Jul	Tue 28 Jul	Wed 29 Jul	Thu 30 Jul	Fri 31 Jul	Sat 1 Aug	Sun 2 Aug
 19°C 60% Chance of showers	 21°C 60% Chance of showers	 21°C A mix of sun and cloud	 21°C Cloudy	 23°C A mix of sun and cloud	 21°C 30% Chance of showers	 21°C A mix of sun and cloud
Tonight	Night	Night	Night	Night	Night	
 14°C 40% Chance of showers	 15°C 40% Chance of showers	 14°C Clear	 15°C Cloudy periods	 16°C Cloudy periods	 14°C Cloudy periods	

Arrowsmith Dam and Englishman River Weekly Report

July 20 to July 26, 2026

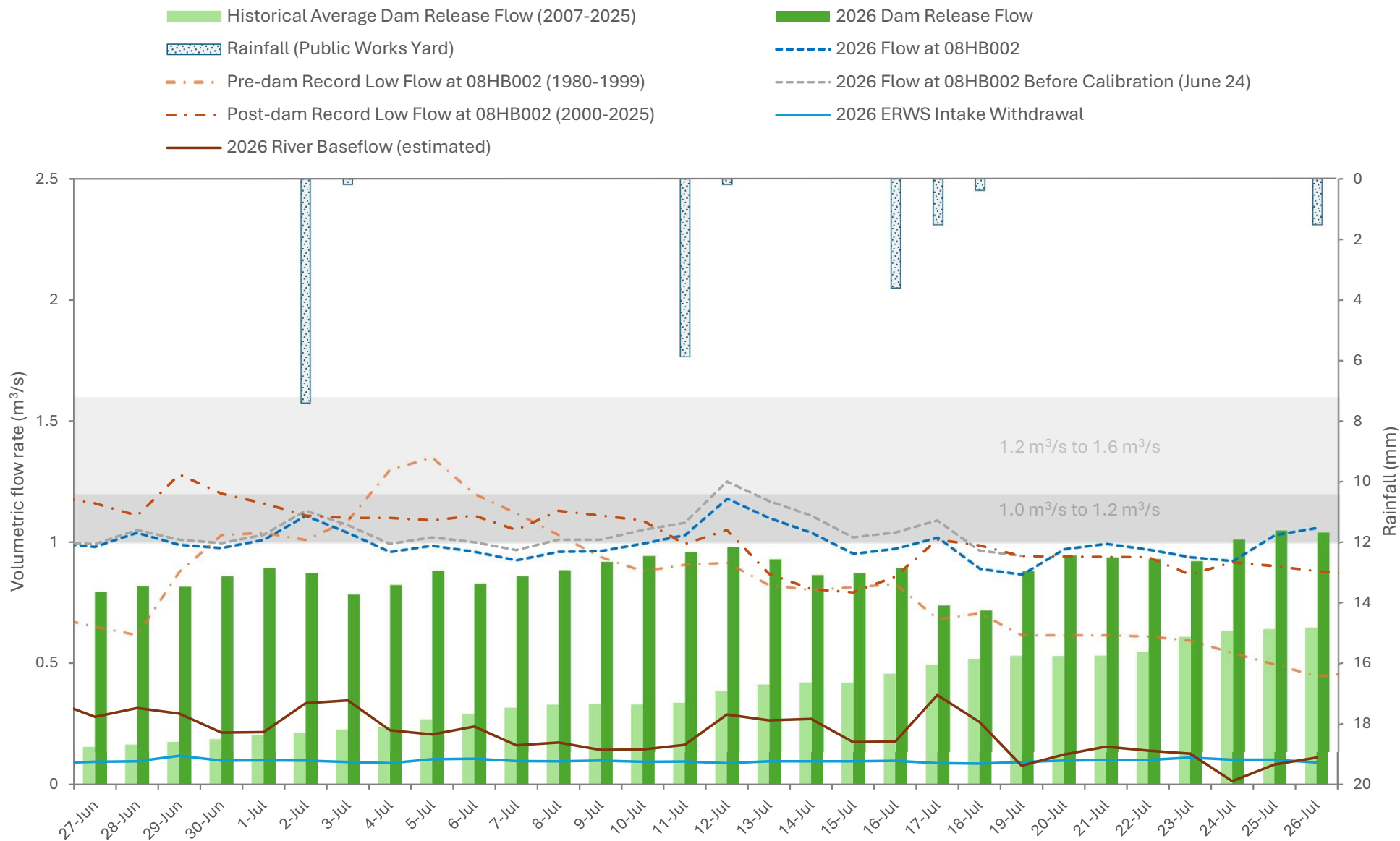
Arrowsmith Dam Reservoir Level



Arrowsmith Dam and Englishman River Weekly Report

July 20 to July 26, 2026

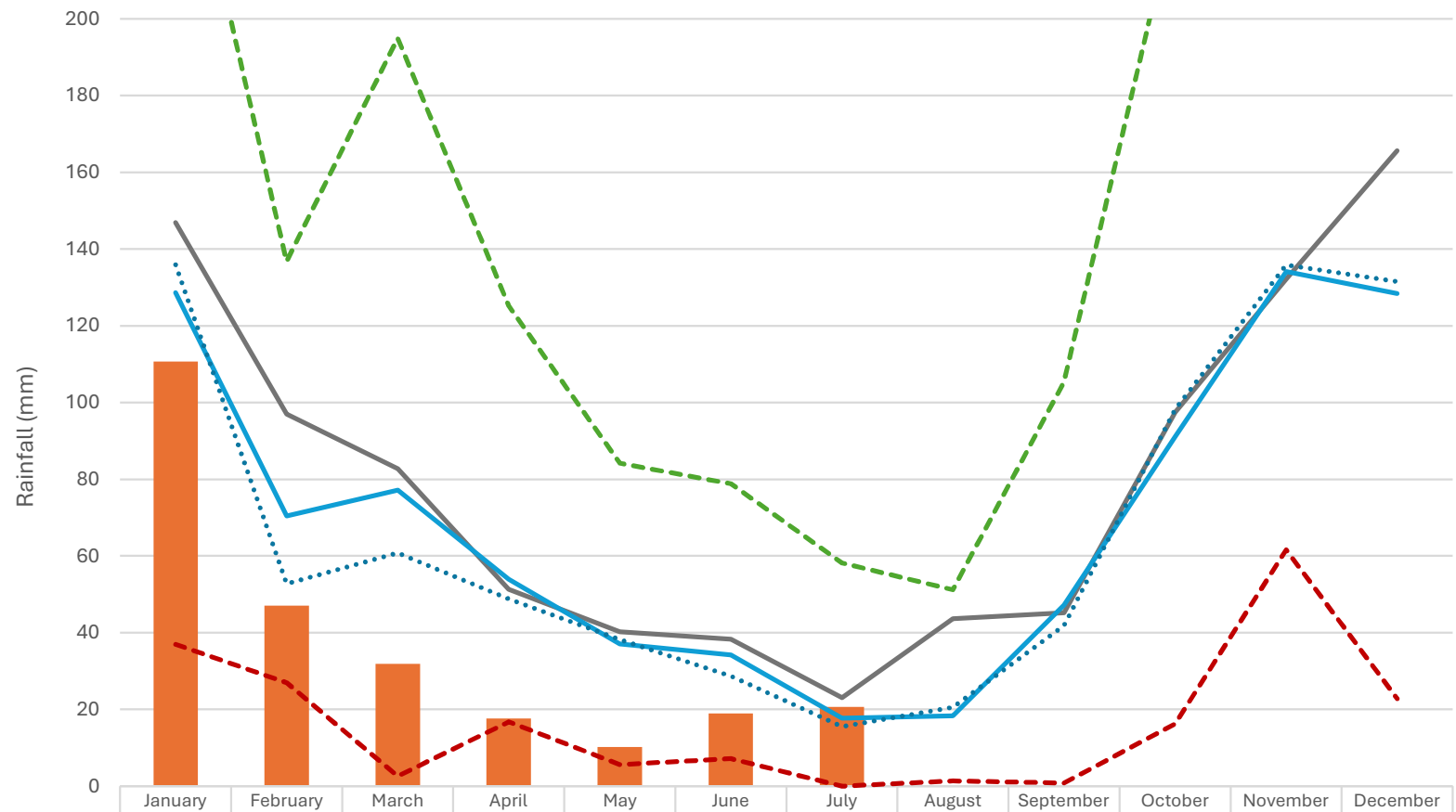
Volumetric Flow Rates and Rainfall



Arrowsmith Dam and Englishman River Weekly Report

July 20 to July 26, 2026

Rainfall at Public Works Yard



	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	20.7					
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

July 20 to July 26, 2026

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

