



# Arrowsmith Dam and Englishman River Weekly Report

May 25 to May 31, 2026

## Summary

### Arrowsmith Dam

Reservoir level (May 31): 828.5m

Estimated volume (May 31): 9,000,000.00 m<sup>3</sup>

Weekly average release rate: 0.00 m<sup>3</sup>/s

Weekly total released volume: 0.00 m<sup>3</sup>

### Englishman River

Weekly average baseflow estimate: 1.20 m<sup>3</sup>/s (flow at 08HB002 minus dam release)

Weekly average flow at WSC hydrometric gauge 08HB002: 1.20 m<sup>3</sup>/s

Weekly average ERWS intake withdrawal flow: 0.10 m<sup>3</sup>/s

Weekly total ERWS intake volume: 57,310.00 m<sup>3</sup>

### Other

Snow water equivalent at station 3B26P (May 31): 0.00 mm

Total weekly rainfall at PWY: 8.30 mm

Total rainfall for the month of May at PWY: 10.20 mm

Total weekly rainfall at Community Park: 3.20 mm

Total rainfall for the month of May at Community Park: 6.80 mm

East Vancouver Island Drought Level: 4

## Key Messages

May was met with record-breaking low flows at Hydrometric Station 08HB002. Warmer than normal temperatures and below average amounts of precipitation contributed to the Englishman River to drop below 1.60 m<sup>3</sup>/s by May 14, and as low as 1.03 m<sup>3</sup>/s by May 31. Due to low flows, the dam was opened on May 31 to ensure the flow at gauge 08HB002 can be maintained at 1.00 m<sup>3</sup>/s.

An Order under the Water Sustainability Act was received on May 29, 2026, allowing for a flow reduction of less than 1.60 m<sup>3</sup>/s but not less than 1.00 m<sup>3</sup>/s at hydrometric gauge 08HB002 for the flow release period of 2026 (June 1- October 31).

Total rainfall volumes at the Public Works Yard, from January 1 to May 31, were lower than all recorded years (2005-2026), except for 2009, which was a particularly dry El Nino year.

Another record-breaking year for snowpack was observed at Snow Weather Station 3B26P. The peak was reached on April 2, and with no additional snow accumulation after April 18, the snowpack had melted by mid-May.

On April 16, the Snow Survey Bulletin for the Upper Englishman Watershed, reported that the snow-water volume in the Arrowsmith Reservoir watershed was the lowest recorded since the Coastal Hydrology Research Lab began measuring in 2020.

## Weather Forecast (Qualicum Airport)



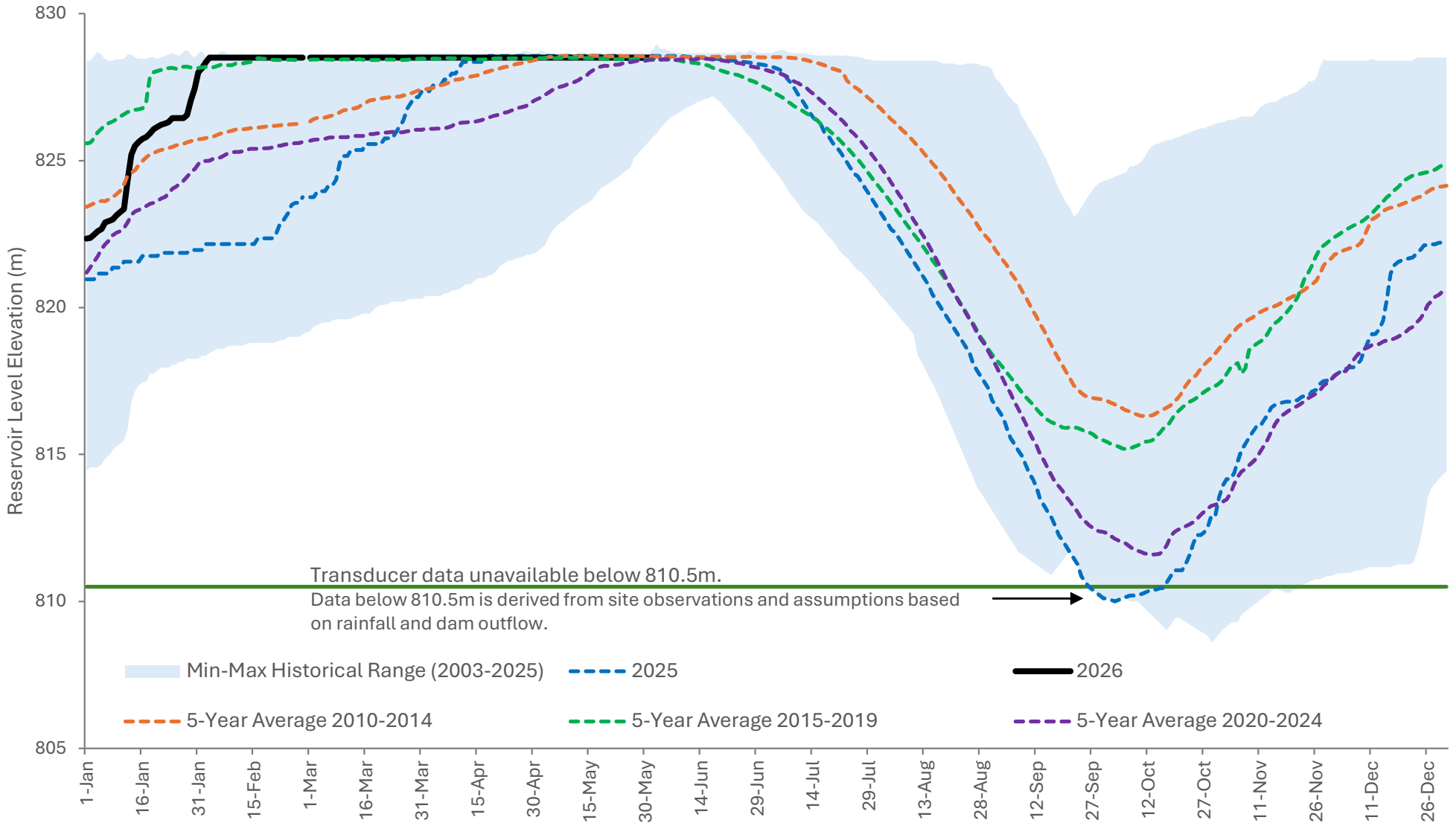
Mon 1 Jun	Tue 2 Jun	Wed 3 Jun	Thu 4 Jun	Fri 5 Jun	Sat 6 Jun	Sun 7 Jun
 24°C Sunny	 26°C Sunny	 22°C Cloudy	 20°C A mix of sun and cloud	 16°C Showers	 15°C 60% Chance of showers	 17°C Cloudy
Tonight	Night	Night	Night	Night	Night	
 13°C Partly cloudy	 10°C Clear	 12°C Cloudy periods	 11°C Showers	 9°C Showers	 9°C 60% Chance of showers	



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## Arrowsmith Dam Reservoir Level

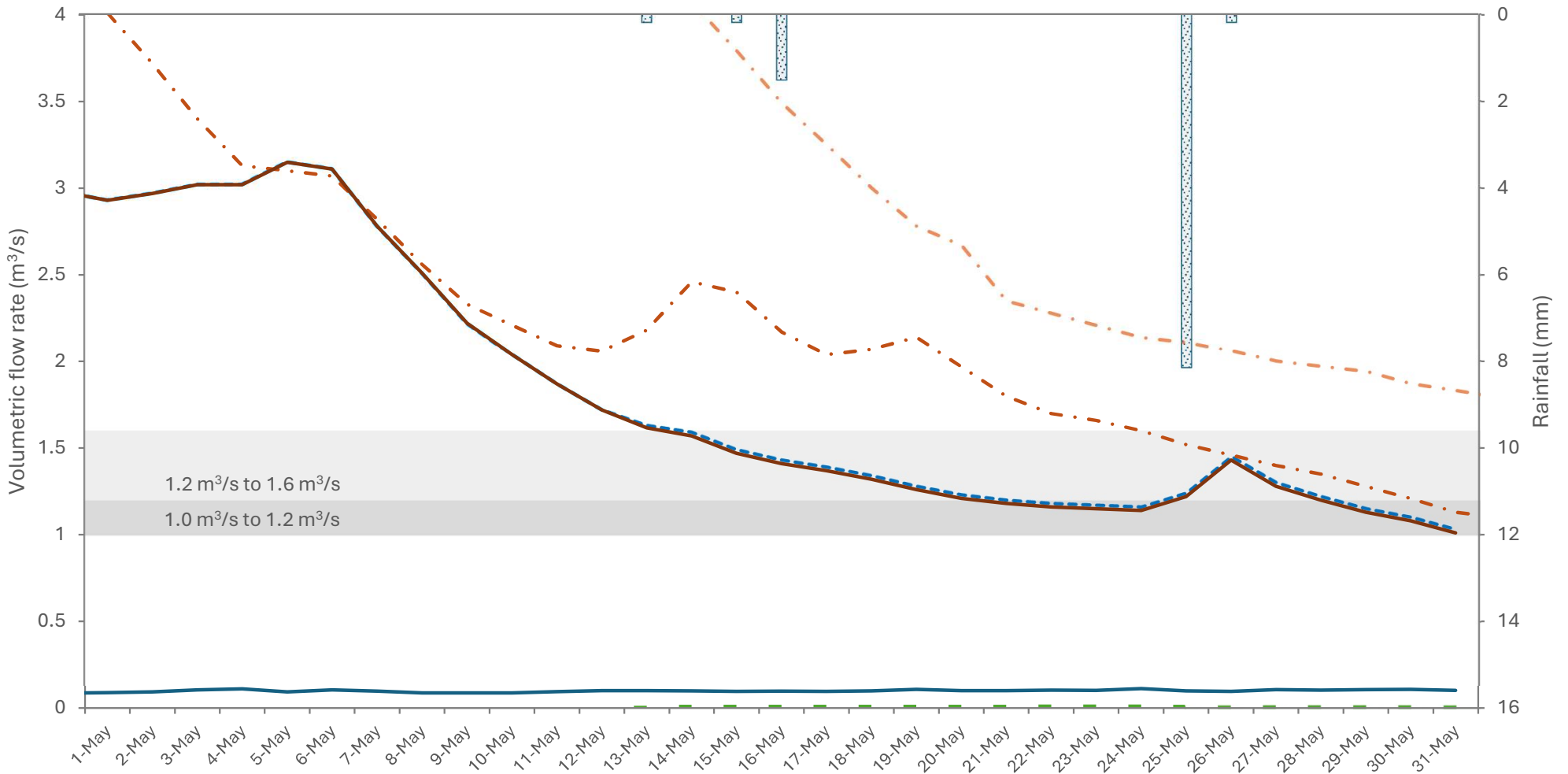


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## Volumetric Flow Rates and Rainfall

- 2026 Dam Release Flow
- Rainfall (Public Works Yard)
- Pre-dam Record Low Flow at 08HB002 (1980-1999)
- Historical Average Dam Release Flow (2007-2025)
- 2026 Flow at 08HB002
- Post-dam Record Low Flow at 08HB002 (2000-2025)
- 2026 ERWS Intake Withdrawal
- 2026 River Baseflow (estimated)

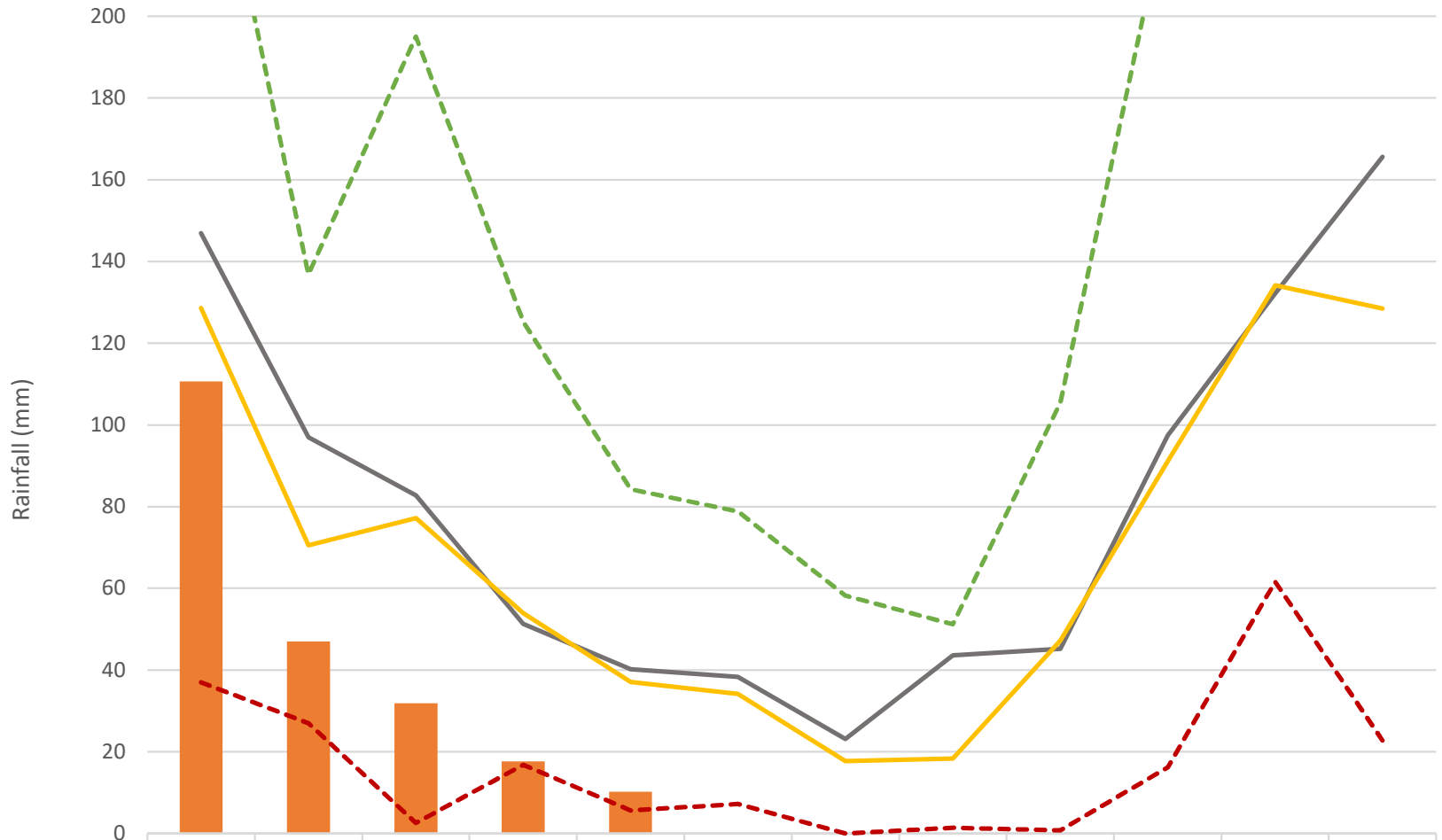




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Rainfall at Public Works Yard



	January	February	March	April	May	June	July	August	September	October	November	December
2026	111	47	32	18	10							
Parksville AES Precipitation Normals (1951-1980)	147	97	83	51	40	38	23	44	45	98	132	166
Precipitation Average (2005-2025)	129	70	77	54	37	34	18	18	47	91	134	128
Precipitation Minimum(2005-2025)	37	27	3	17	6	7	0	1	1	16	62	23
Precipitation Maximum (2005-2025)	262	137	195	125	84	79	58	51	105	228	265	218

\*AES: Atmospheric Environment Service



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## Snow Water Equivalent – Station 3B26P

