Arrowsmith Dam and Englishman River Weekly Report

October 26 to November 1, 2026

Summary

Arrowsmith Dam

Reservoir level (November 1): 810.50 m

Estimated volume (November 1): 2,150,000.00 m^3

Weekly average release rate: 0.09 m^3/s

Weekly total released volume: 51,941.57 m^3

Englishman River

Weekly average baseflow estimate: 3.12 m^3/s (flow at 08HB002 and the intake flow minus the dam release flow)

Weekly average flow at WSC hydrometric gauge 08HB002: 3.13 m^3/s

Weekly average ERWS intake withdrawal flow: 0.07 m^3/s

Weekly total ERWS intake volume: 23,830.00 m^3

Other

Snow water equivalent at station 3B26P (November 1): 68.0 mm

Total weekly rainfall at PWY: 38.7 mm

Total weekly rainfall at Community Park: 39.0 mm

Total weekly precipitation at Mount Arrowsmith station 3B26P: 53.0 mm

East Vancouver Island Drought Level: 2

Parksville's Level 3 water conservation: June 1-July 2 and October 2-31

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

Key Messages

- An Order under the Water Sustainability Act was received October 22, 2026, authorizing a flow reduction to a minimum of 0.70 m^3/s at hydrometric gauge 08HB002, for the remainder of the flow release period, ending October 31, 2026. This Order authorized the reduction in flow to reflect the maximum flow that can be released from the siphon zone in the Arrowsmith Lake Reservoir.
- Between October 24 to 31, precipitation within the watershed contributed to increased flows in the Englishman River. Based on the forecasted weather conditions, cooler temperatures, reduced customer water demand, and decreased water consumption associated with operational activities, the decision was made to close the outlet valves at the dam on October 29. Staff will continue to monitor river flows and can reopen the valves if conditions warrant.
- Water conservation measures ended November 1st.

Weather Forecast (Qualicum Airport)

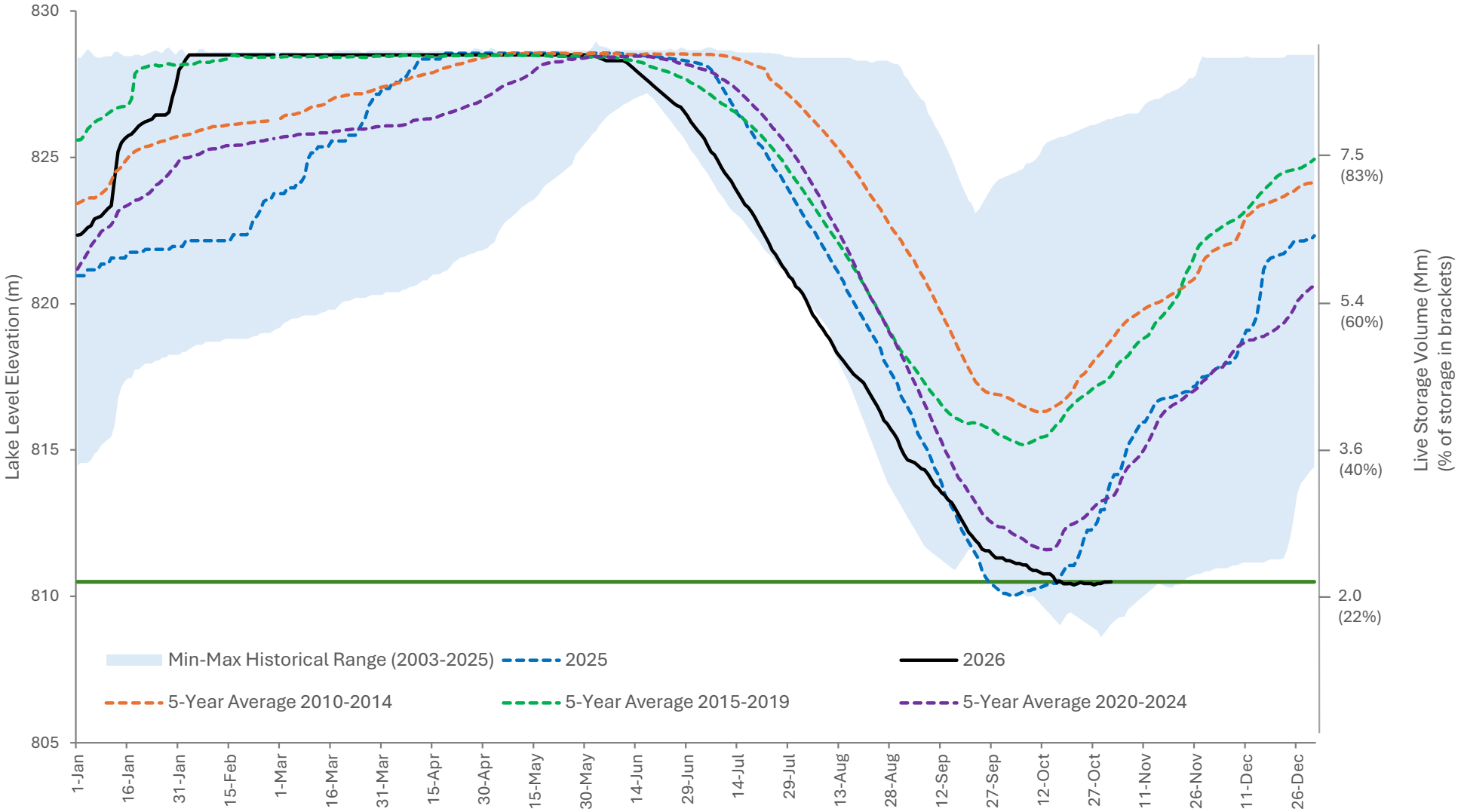
Government of Canada

Mon 2 Nov	Tue 3 Nov	Wed 4 Nov	Thu 5 Nov	Fri 6 Nov	Sat 7 Nov	Sun 8 Nov
10°C 30% Chance of showers	10°C A few showers	11°C Cloudy	13°C Periods of rain	12°C Rain	10°C Periods of rain	11°C Periods of rain
Tonight	**Night**	**Night**	**Night**	**Night**	**Night**	
6°C 30% Chance of showers	6°C Cloudy periods	9°C Rain	9°C Rain	6°C Cloudy	7°C Rain	

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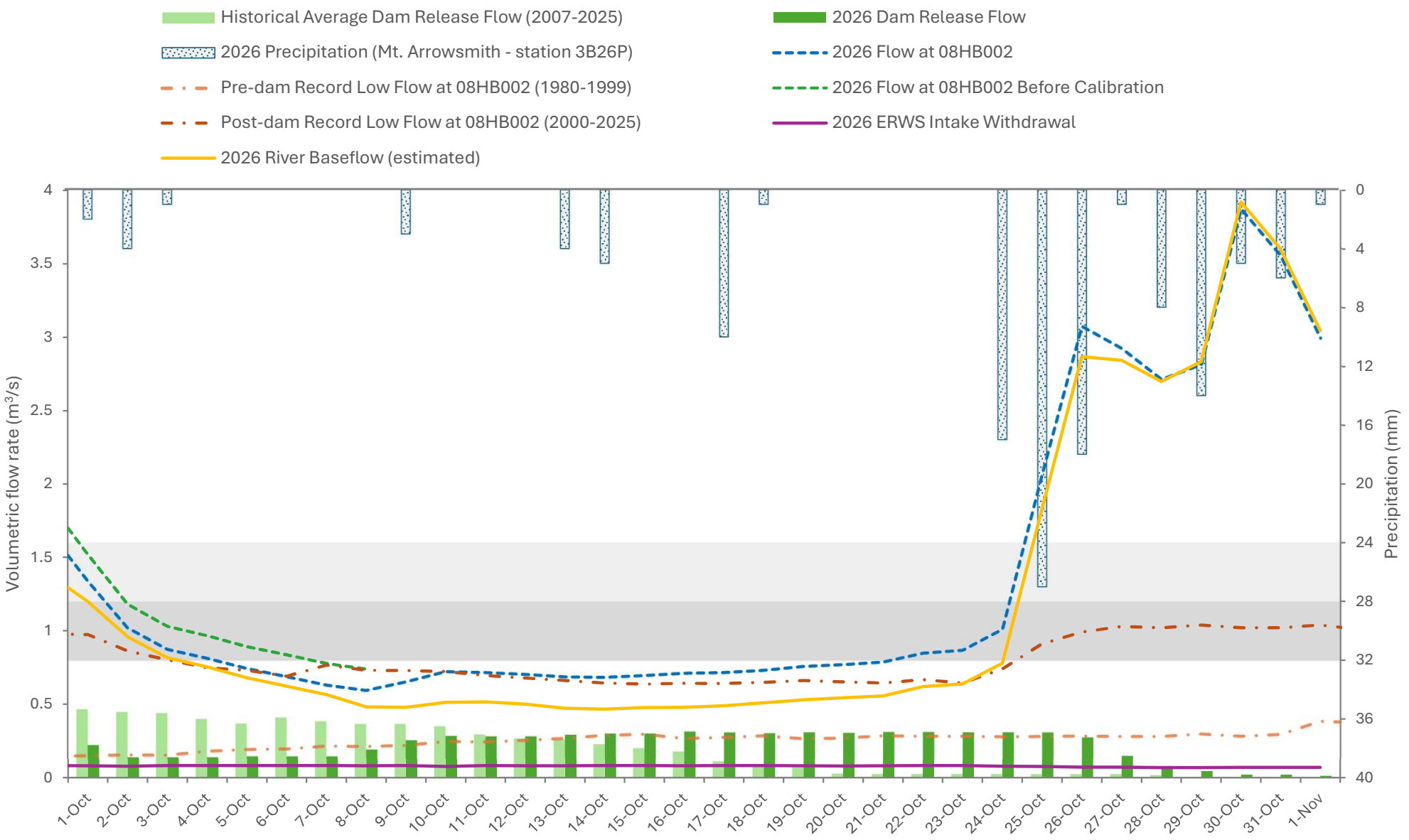
Arrowsmith Dam Reservoir Level



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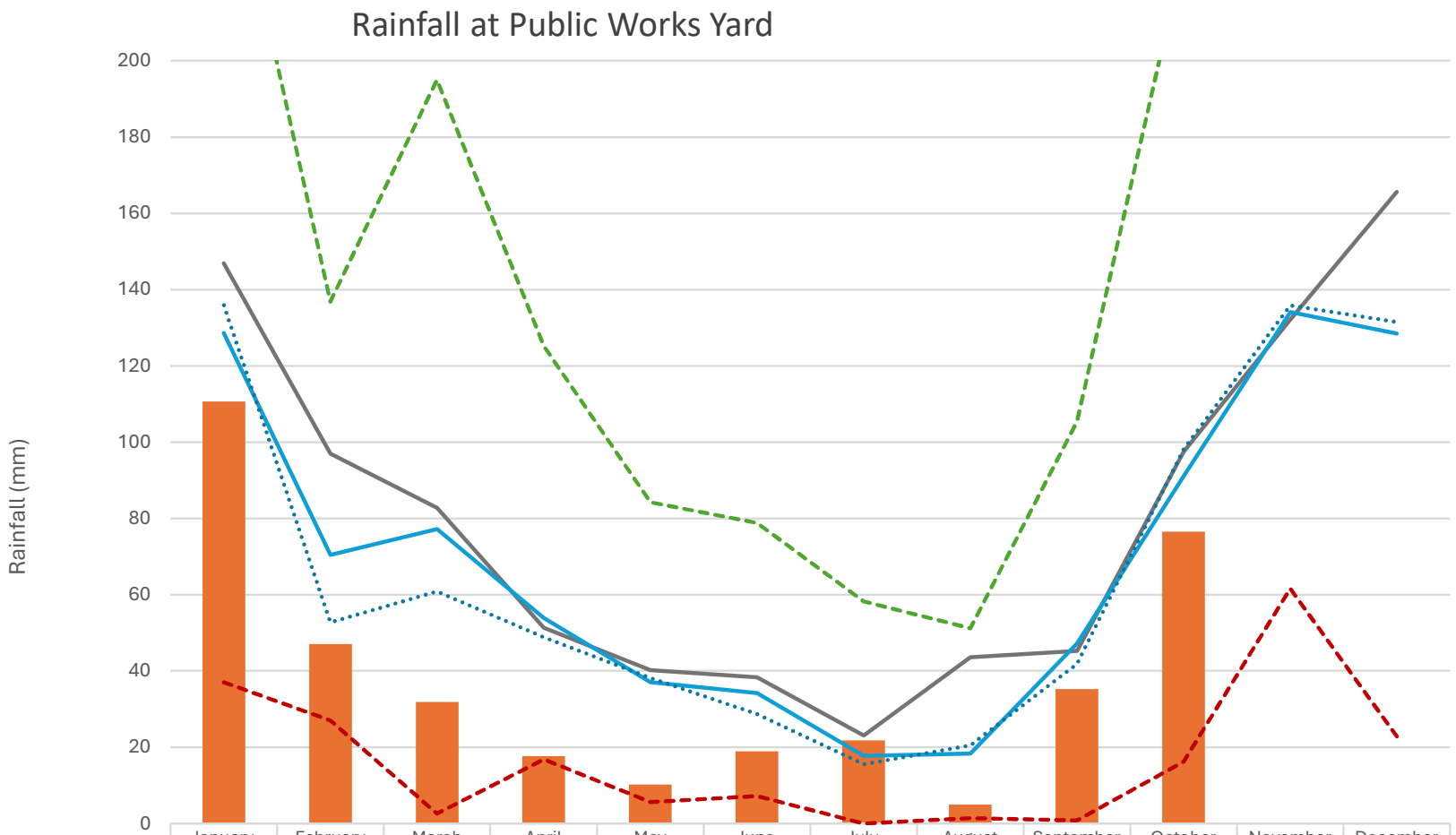
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Volumetric Flow Rates and Rainfall



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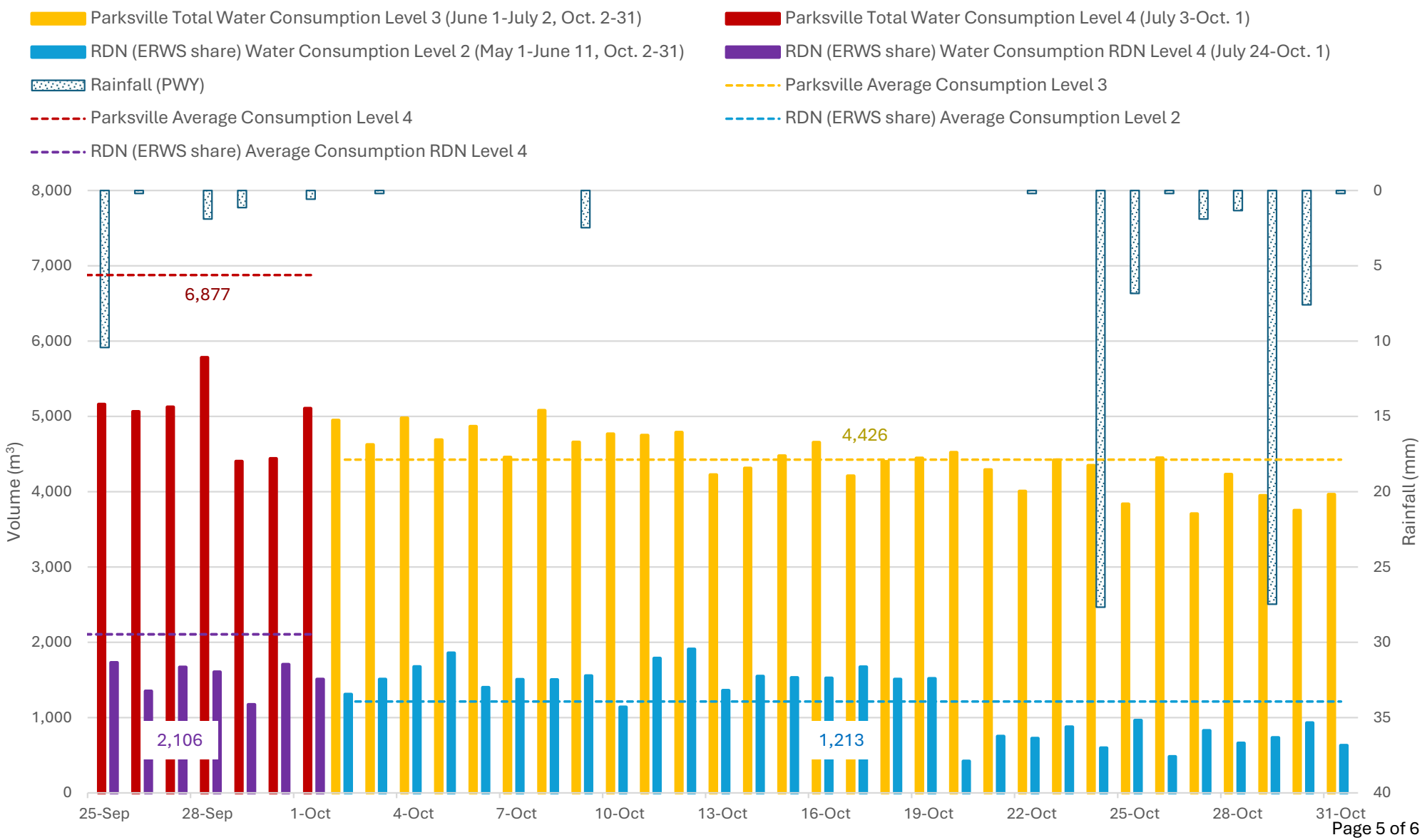
	January	February	March	April	May	June	July	August	September	October	November	December
2026	110.7	47.0	31.8	17.6	10.2	19.0	21.8	4.9	35.2	76.6	0.0	
Parksville AES Precipitation Normals (1951-1980)	146.9	97.0	82.8	51.3	40.2	38.3	23.1	43.6	45.2	97.5	132.2	165.6
Precipitation Average (2005-2025)	128.6	70.5	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

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



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Snow Water Equivalent – Station 3B26P

