

CRD IWS 2026 Q1 Wastewater Flow Report: Esquimalt

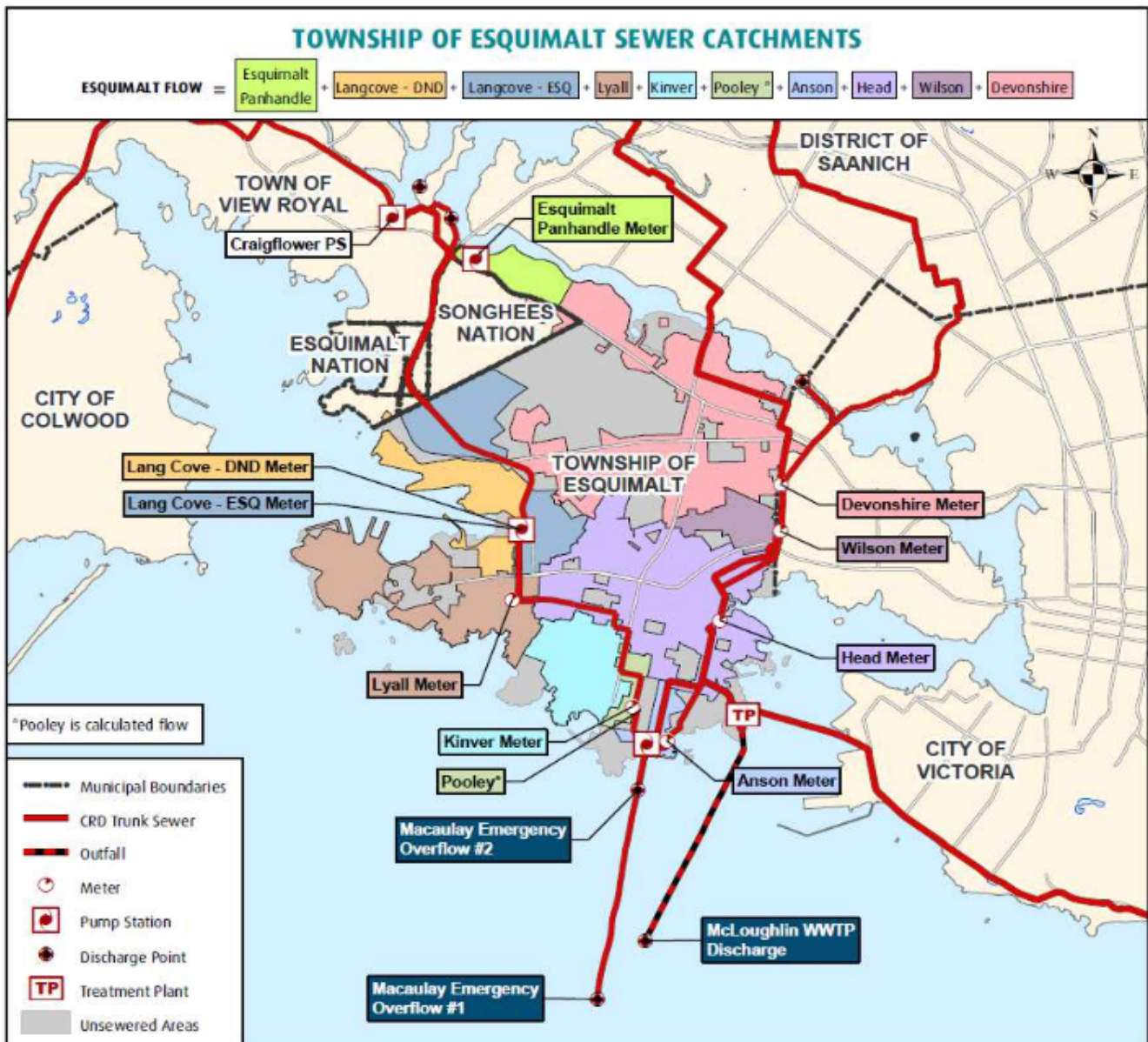
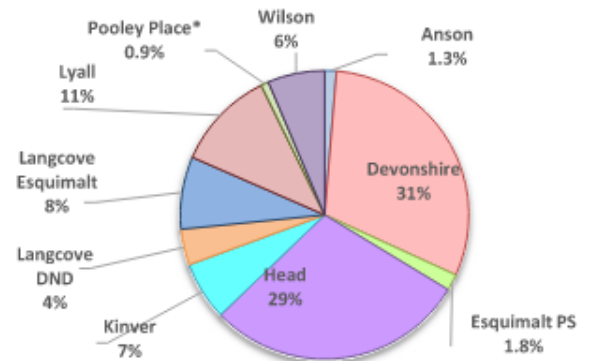
3 Wastewater Flow Data Summary by Meter Site

This data summarizes the volume of flow measured from catchments contributing to Esquimalt's total flow.

Flow Meter Name	Total Flow (m ³)		
	January	February	March
Anson	4,365	2,390	3,419
Devonshire	87,408	62,318	83,588
Esquimalt PS	5,240	3,984	4,712
Head	82,448	61,198	78,995
Kinver	20,434	12,637	17,202
Langcove DND	10,756	9,339	10,910
Langcove Esquimalt	22,613	17,434	21,936
Lyll	29,935	23,147	32,498
Pooley Place*	2,549	1,892	2,442
Wilson	19,273	13,521	15,916
Esquimalt Total	285,020	207,859	271,618

* Flows are calculated based on engineering estimates

**Percentage of Total Flow
for the Quarter by Meter**



Disclaimer: The data used in the quarterly wastewater flow report may be further corrected in the annual cost requisition report.

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4 Peak 24 Flows vs. Allocations

This table compares the measured peak 24-hour flows for the three largest storm events in the quarter to the allocations in Bylaw 2312.

Allocation Point	Peak 24-Hr Flow						
	Allocation	06-Jan-26 (0.5 return period storm)		12-Jan-26 (3.5 return period storm)		18-Mar-26 (0.3 return period storm)	
	ML/day	ML/day	% of Allocation	ML/day	% of Allocation	ML/day	% of Allocation
Anson	0.97	0.28	29%	0.64	67%	0.26	27%
Devonshire	7.40	4.41	60%	9.71	131%	4.97	67%
Esquimalt Panhandle	0.48	0.24	49%	0.44	92%	0.23	48%
Head	6.70	3.96	59%	6.98	104%	4.22	63%
Kinver	1.76	1.09	62%	2.20	125%	1.10	63%
Lang Cove PS (DND)	2.00	0.42	21%	0.70	35%	0.49	25%
Lang Cove PS (Esquimalt)	3.11	0.96	31%	2.08	67%	1.12	36%
Lyll (Dockyard)	3.97	1.90	48%	3.70	93%	1.91	48%
Pooley Place	0.24	0.12	51%	0.22	89%	0.13	54%
Wilson	1.49	0.89	60%	1.49	100%	0.84	57%
ESQUIMALT TOTAL	28.12	13.71	49%	28.12	100%	15.23	54.2%

Notes:

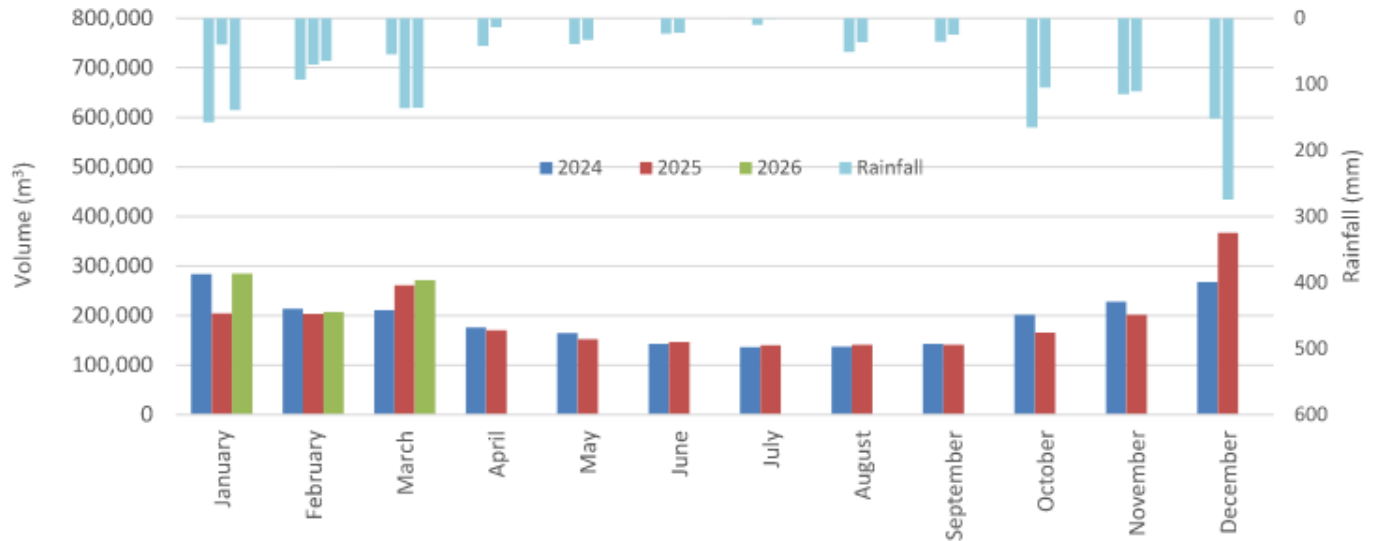
- 1) This table is provided for information purposes only.
- 2) Municipalities are expected to address any allocation exceedances through I&I reduction.
- 3) Pooley Place flows are calculated based on engineering estimates

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2026 Q1 Wastewater Flow Report: Esquimalt

5 Monthly Wastewater Flow: Historical vs. Current

This graph shows the total Colwood flow for each month and compares it with previous years.



6 Inflow & Infiltration Flow Summary: 2026 Q1

Key I&I Metrics	January	February	March
Total Monthly Flow (m³)	285,020	207,859	271,618
Estimated Domestic Flow for Month (m³)	108,979	98,433	108,979
Estimated Daily Domestic Flow ²	3,515	3,515	3,515
I&I Volume for Month (m³) ³	176,041	109,426	162,639
I&I Volume for Month (% total flow)	62%	53%	60%
Peak 24hr Flow (PWWF) ⁴	6.0 x ADWF	2.6 x ADWF	3.3 x ADWF
Peak 1hr Flow ⁵	7.7 x ADWF	3.7 x ADWF	4.6 x ADWF

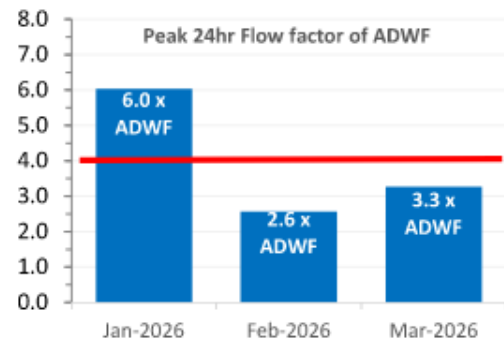
¹ Excludes overflow volume

² Calculated as ADWF minus summer groundwater (70% of minimum hourly flow x 24 hours).

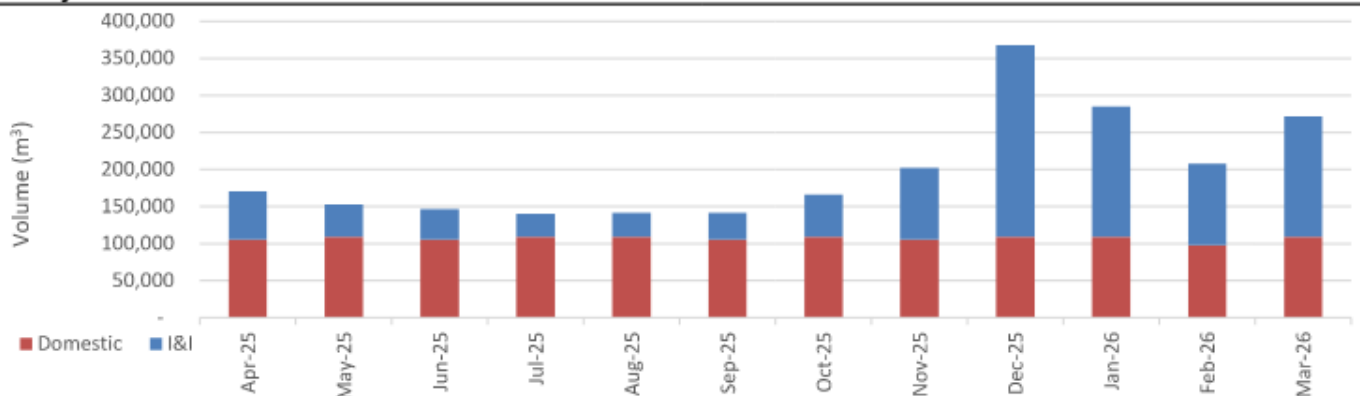
³ Determined by subtracting Estimated Domestic Flow from Total Monthly Flow

⁴ Determined by dividing Peak 24hr Flow by ADWF

⁵ Determined by dividing Peak 1hr Flow by ADWF



7 Monthly Flows: I&I and Domestic Flow



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2026 Q2 Wastewater Flow Report: Esquimalt

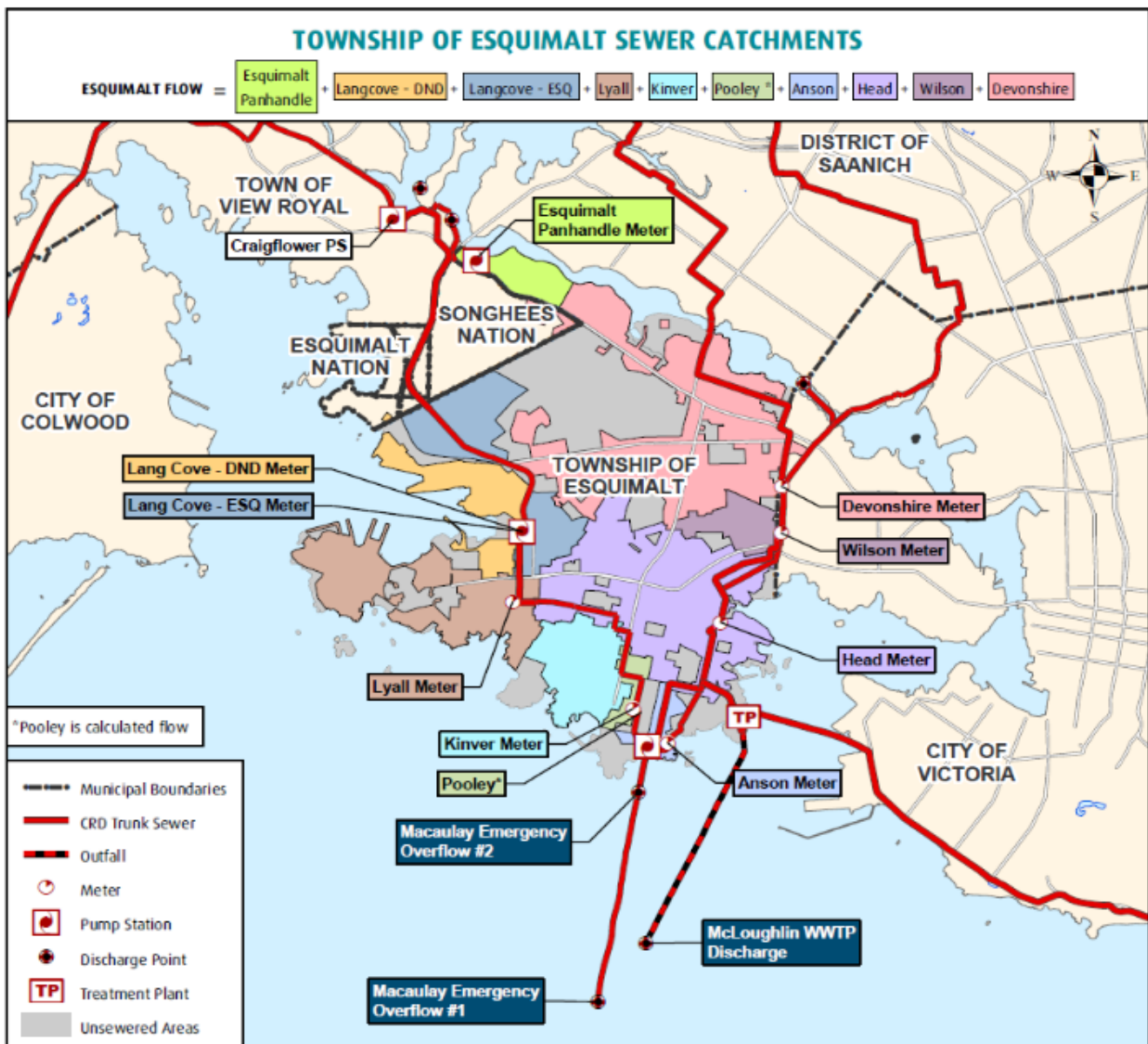
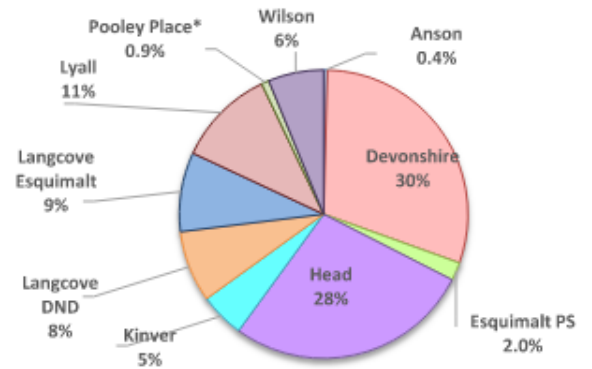
3 Wastewater Flow Data Summary by Meter Site

This data summarizes the volume of flow measured from catchments contributing to Esquimalt's total flow.

Flow Meter Name	Total Flow (m ³)		
	April	May	June
Anson	1,319	529	364
Devonshire	55,037	51,551	47,718
Esquimalt PS	3,531	3,453	3,406
Head	52,552	46,231	42,443
Kinver	9,831	8,243	7,684
Langcove DND	15,875	16,168	9,038
Langcove Esquimalt	16,428	15,373	13,805
Lyll	21,457	17,744	17,227
Pooley Place*	1,625	1,429	1,312
Wilson	12,131	10,186	9,573
Esquimalt Total	189,786	170,907	152,571

* Flows are calculated based on engineering estimates

**Percentage of Total Flow
for the Quarter by Meter**



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2026 Q2 Wastewater Flow Report: Esquimalt

4 Peak 24 Flows vs. Allocations

This table compares the measured peak 24-hour flows for the three largest storm events in the quarter to the allocations in Bylaw 2312.

Allocation Point	Peak 24-Hr Flow						
	Allocation	14-Apr-26 (0.4 return period storm)		16-May-26 (0.2 return period storm)		08-Jun-26 (0.4 return period storm)	
	ML/day	ML/day	% of Allocation	ML/day	% of Allocation	ML/day	% of Allocation
Anson	0.97	0.07	7%	0.02	2%	0.02	3%
Devonshire	7.40	2.49	34%	1.73	23%	2.35	32%
Esquimalt Panhandle	0.48	0.13	28%	0.12	25%	0.13	28%
Head	6.70	2.28	34%	1.57	23%	1.97	29%
Kinver	1.76	0.49	28%	0.28	16%	0.44	25%
Lang Cove PS (DND)	2.00	0.44	22%	0.79	39%	0.45	23%
Lang Cove PS (Esquimalt)	3.11	0.66	21%	0.56	18%	0.57	18%
Lyall (Dockyard)	3.97	1.11	28%	0.62	16%	1.09	27%
Pooley Place	0.24	0.07	29%	0.05	20%	0.06	25%
Wilson	1.49	0.45	30%	0.33	23%	0.40	27%
ESQUIMALT TOTAL	28.12	8.15	29%	5.74	20%	7.45	26.5%

Notes:

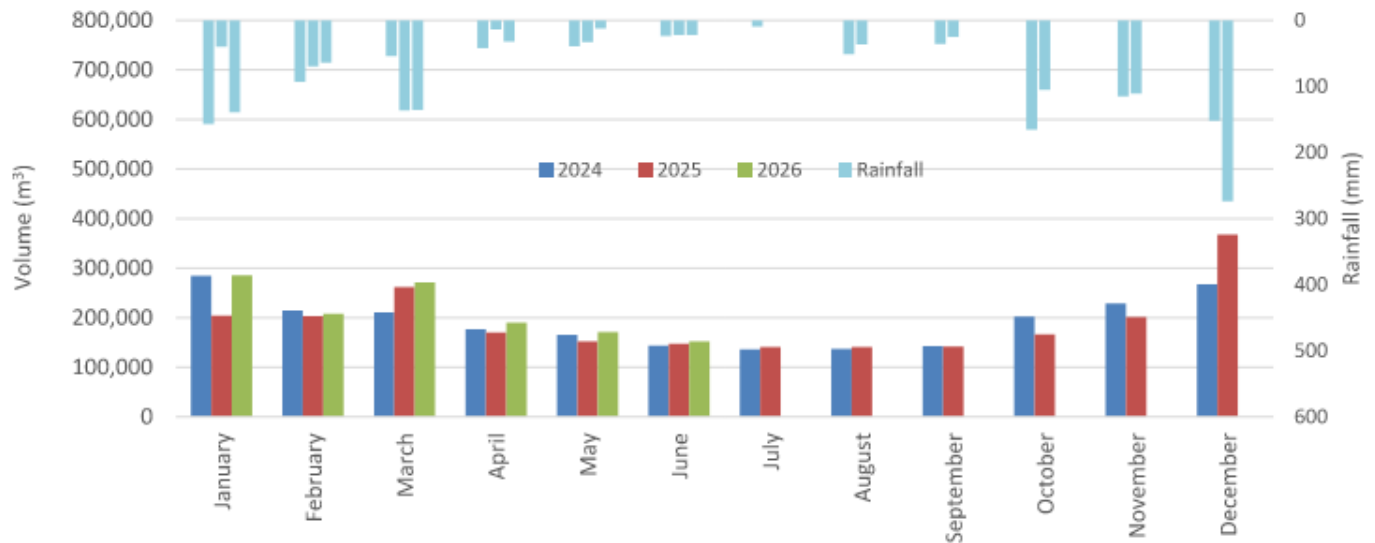
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2026 Q2 Wastewater Flow Report: Esquimalt

5 Monthly Wastewater Flow: Historical vs. Current

This graph shows the total Colwood flow for each month and compares it with previous years.



6 Inflow & Infiltration Flow Summary: 2026 Q2

Key I&I Metrics	April	May	June
Total Monthly Flow (m ³)	189,786	170,907	152,571
Estimated Domestic Flow for Month (m ³)	105,464	108,979	105,464
Estimated Daily Domestic Flow ²	3,515	3,515	3,515
I&I Volume for Month (m ³) ³	84,322	61,928	47,107
I&I Volume for Month (% total flow)	44%	36%	31%
Peak 24hr Flow (PWWF) ⁴	1.7 x ADWF	1.4 x ADWF	1.6 x ADWF
Peak 1hr Flow ⁵	3.5 x ADWF	2.1 x ADWF	2.1 x ADWF

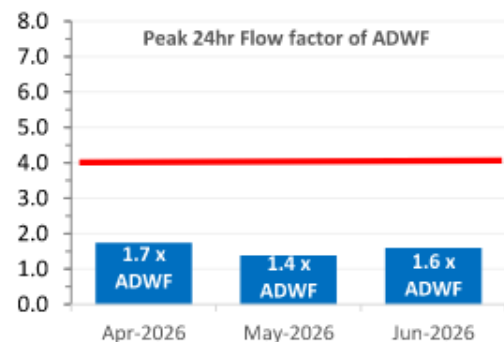
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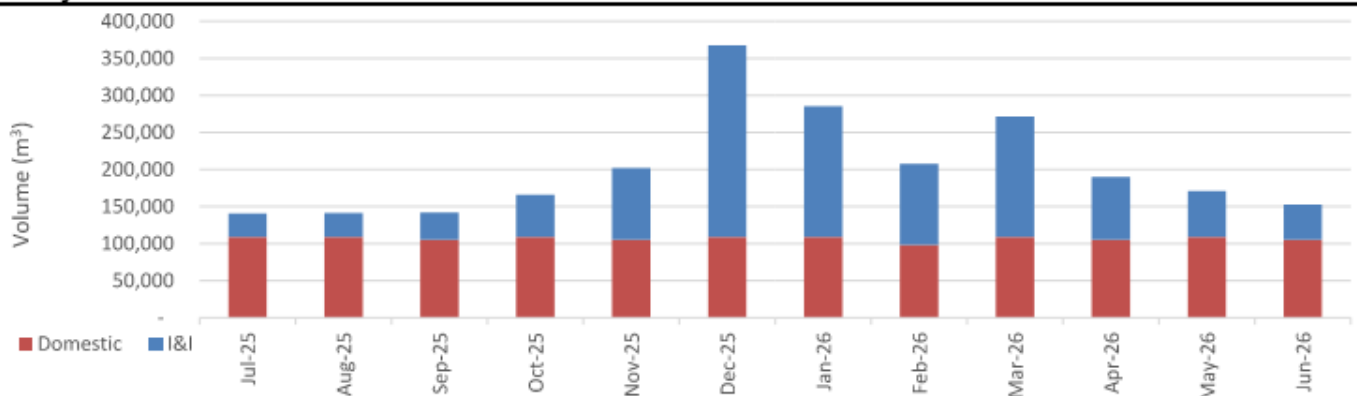
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⁴ Determined by dividing Peak 24hr Flow by ADWF

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7 Monthly Flows: I&I and Domestic Flow



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