



Community Flow Monitoring Network

Vancouver Island



Ally Wall

BC Conservation Foundation

Aquatic Research & Restoration Centre

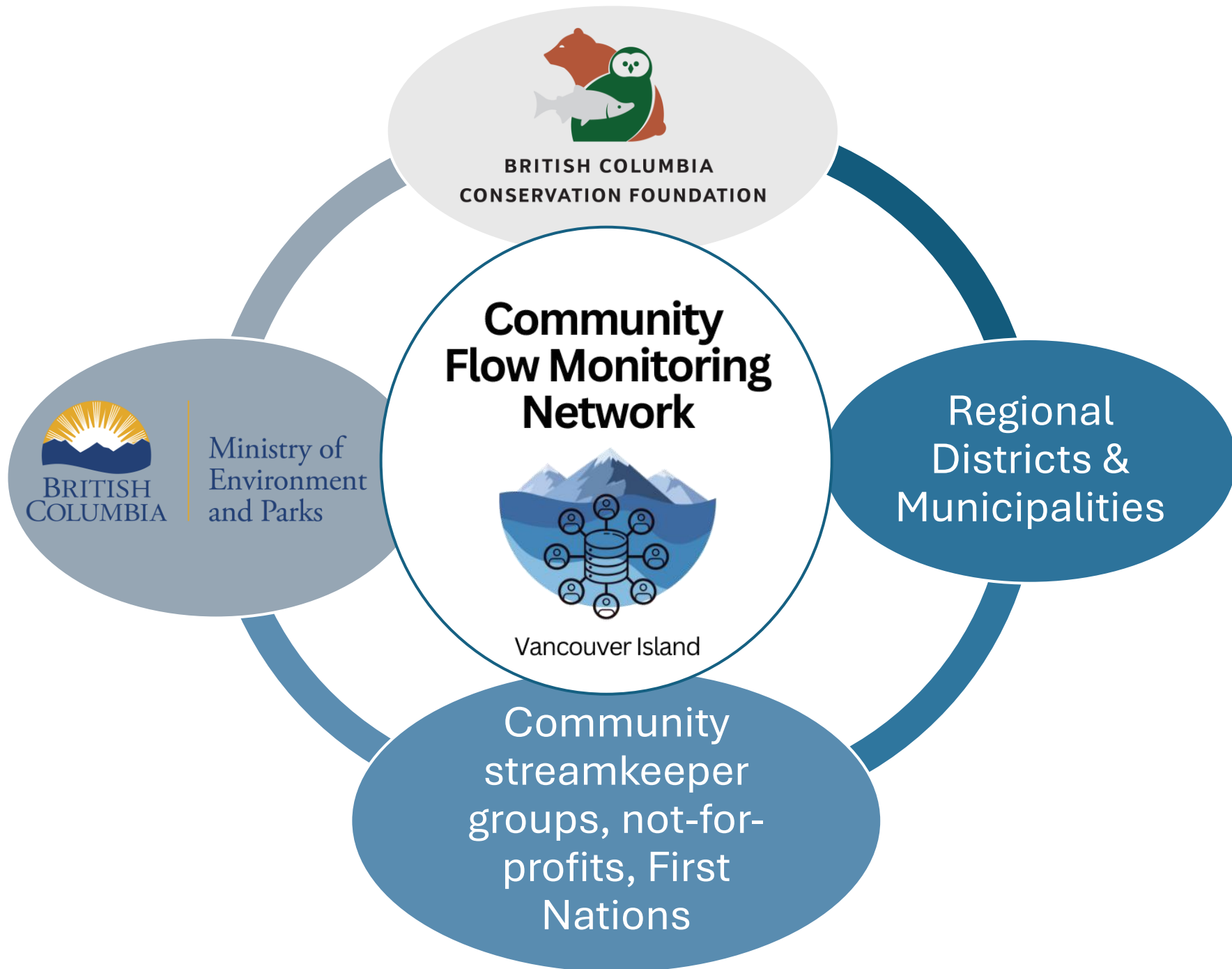
CWMN Results Session - Water Data and Dialogue

June 19, 2026

Agenda

1. Brief program overview
 - Who, why, how, where
2. Program highlights
 - Years 1 to 4
3. Results – volunteer monitoring
4. Results – flow data
5. Flow data to action
6. Opportunities for involvement





BRITISH COLUMBIA
CONSERVATION FOUNDATION

Community Flow Monitoring Network



Vancouver Island

Regional
Districts &
Municipalities

Community
streamkeeper
groups, not-for-
profits, First
Nations



Ministry of
Environment
and Parks

Overall goals of the Network:

1

Create and empower stewards for protecting streamflow and fish habitat.

2

Improve community-based flow data collection so that it meets government standards.

3

Make data from community hydrometric stations more accessible.

Community Flow Monitoring Network



Vancouver Island

How do we help?

- Field and technical support, equipment sharing
- Standard Operating Procedures and other resources – **available at www.cfmnvi.com**
- Network-wide meetings, training workshops
- Support for flow conservation projects
- Support to share & house data on Provincial **AQUARIUS** database



Community Hydrometric Stations



Community Flow Monitoring Network



Vancouver Island

In partnership with:



WALLEY CREEK
STREAMKEEPERS

Friends of
Cottle Creek



Qualicum
Beach
Streamkeepers

Departure Creek
Streamkeepers



Program Highlights

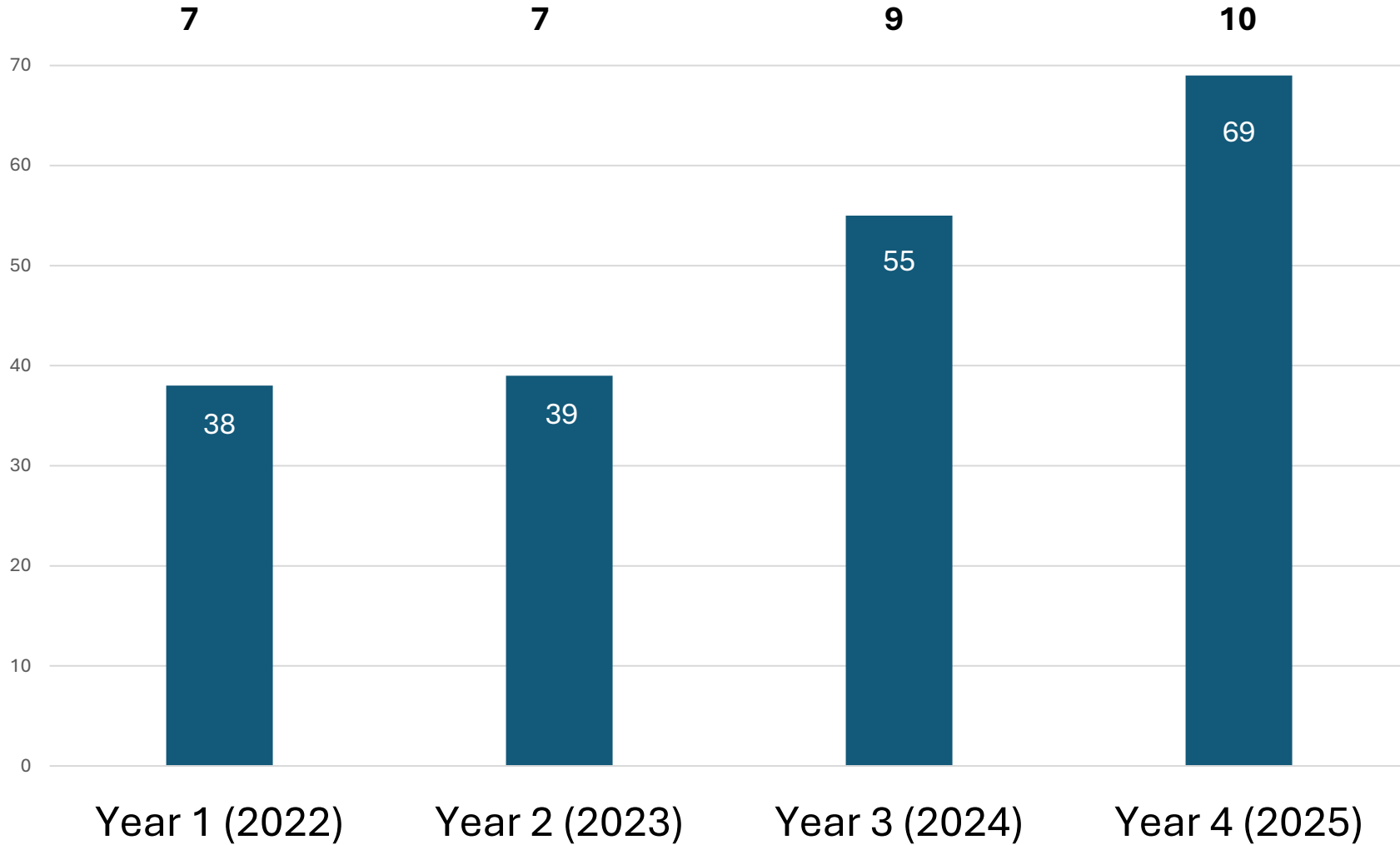
Since spring 2022:

- **10** community hydrometric gauges established
 - all meet Provincial RISC Grade C standards
- Over **38** collective years historical data published on Aquarius
- ~**80** volunteers involved each year
 - **9** core groups
 - **12+** additional groups

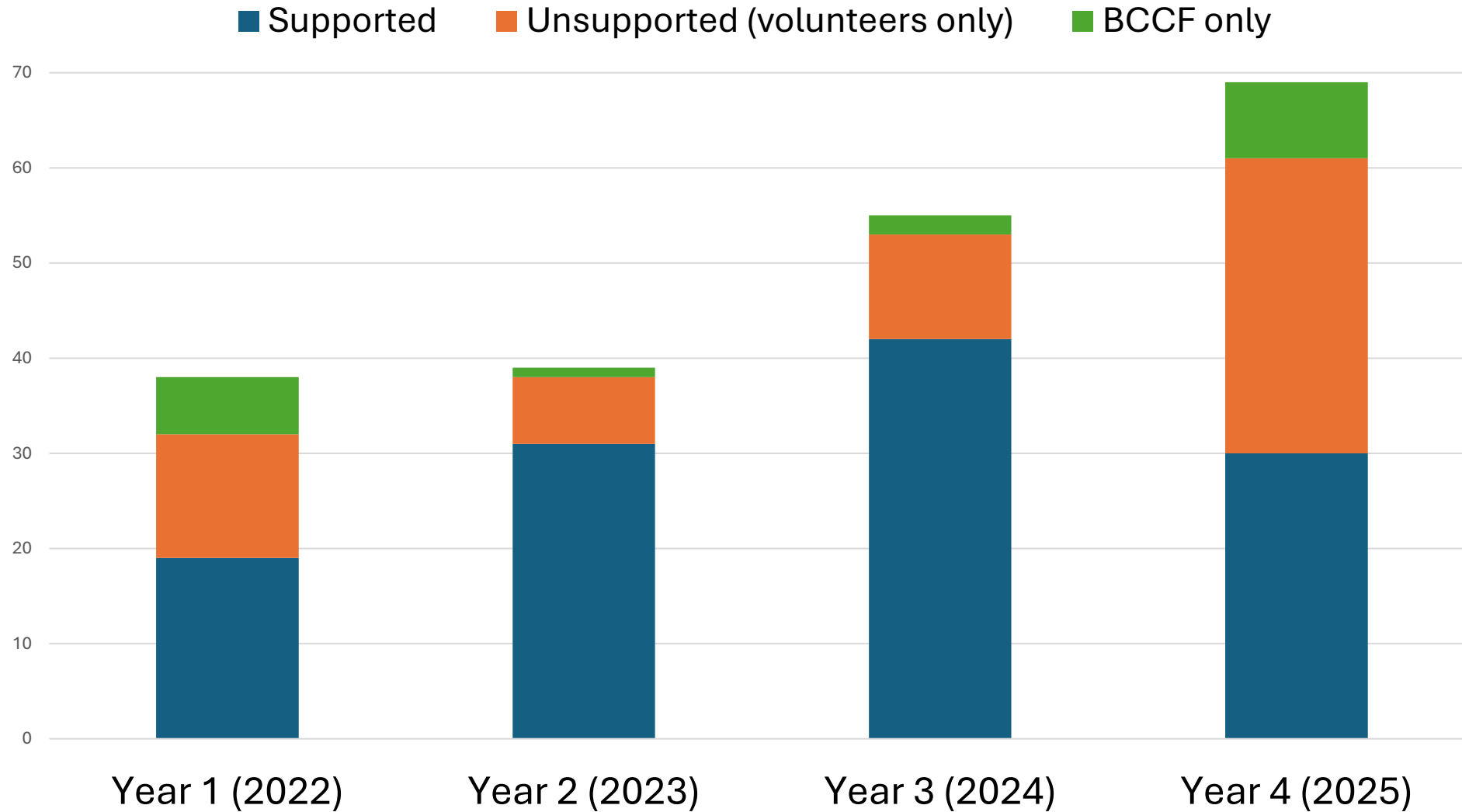


Number of flow measurements conducted

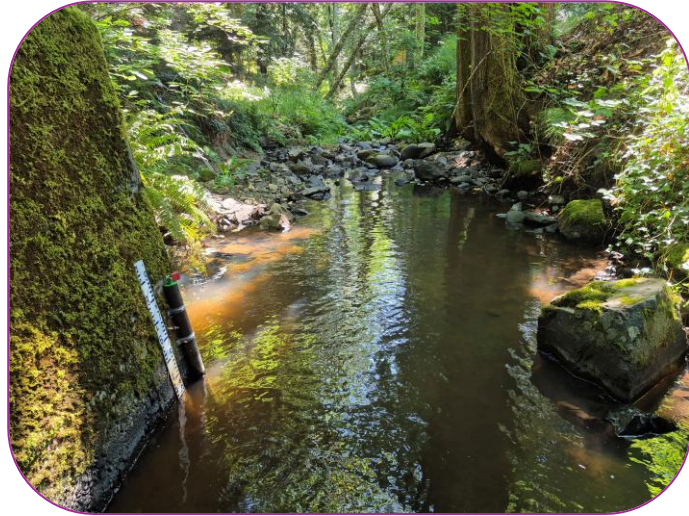
Number of
stations



Number of flow measurements conducted



RDN Stations

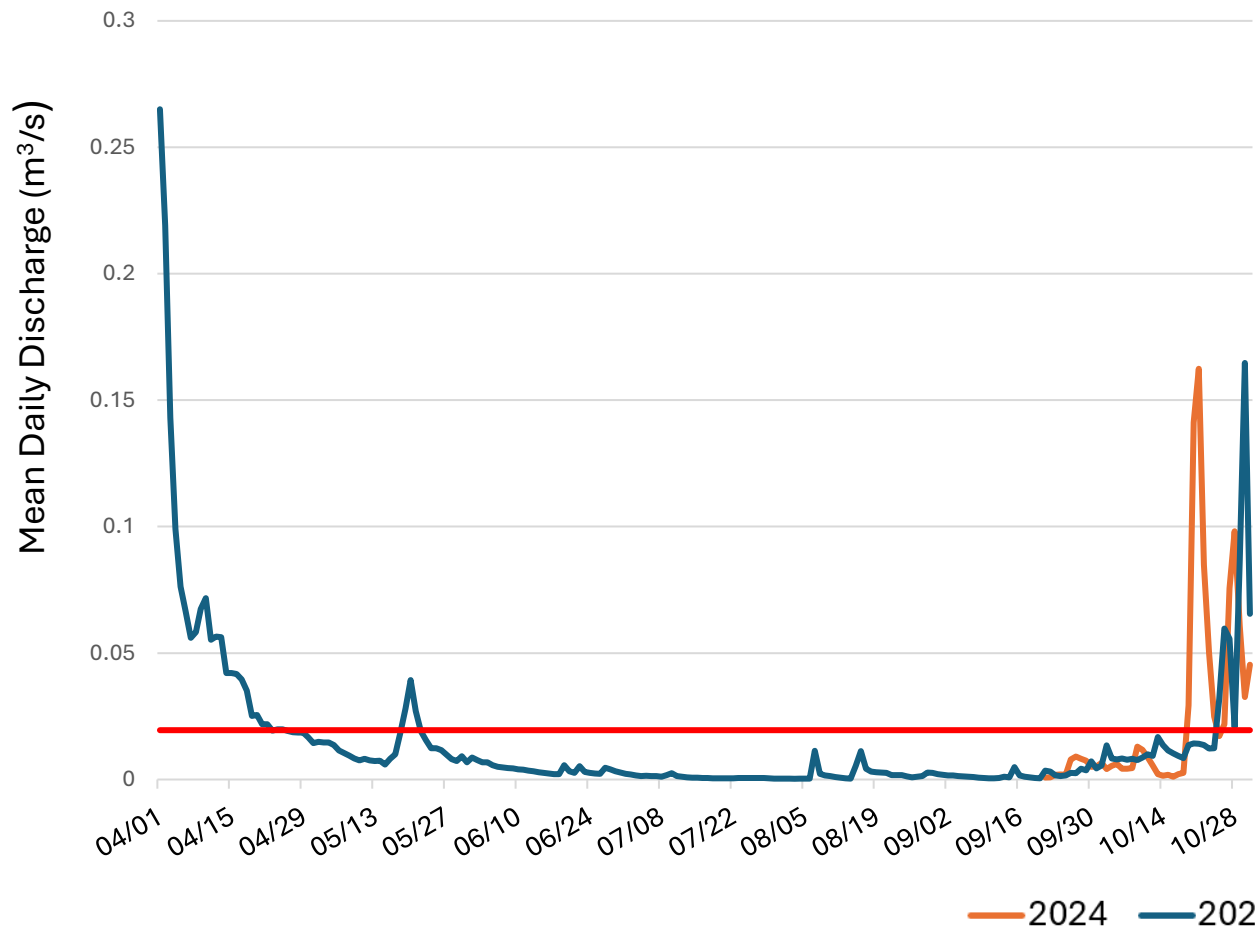


Stream	Location	Mean Annual Discharge (m ³ /s)	Year Installed	Partner Group
Grandon Creek	Qualicum Beach	0.119	2012	Qualicum Beach Streamkeepers
Beach Creek		0.044	2020	
Nanoose Creek	Nanoose Bay	TBD	2025	Mid-Vancouver Island Habitat Enhancement Society
Cottle Creek	Nanaimo	0.098	2024	Friends of Cottle Creek/ Nanaimo & Area Land Trust (NALT)
Walley Creek		TBD	2024	Walley Creek Streamkeepers/ NALT
Departure Creek		0.071	2023	Departure Creek Streamkeepers/ NALT
Cook Creek	Fanny Bay	0.861	2018	Beaufort Watershed Stewards

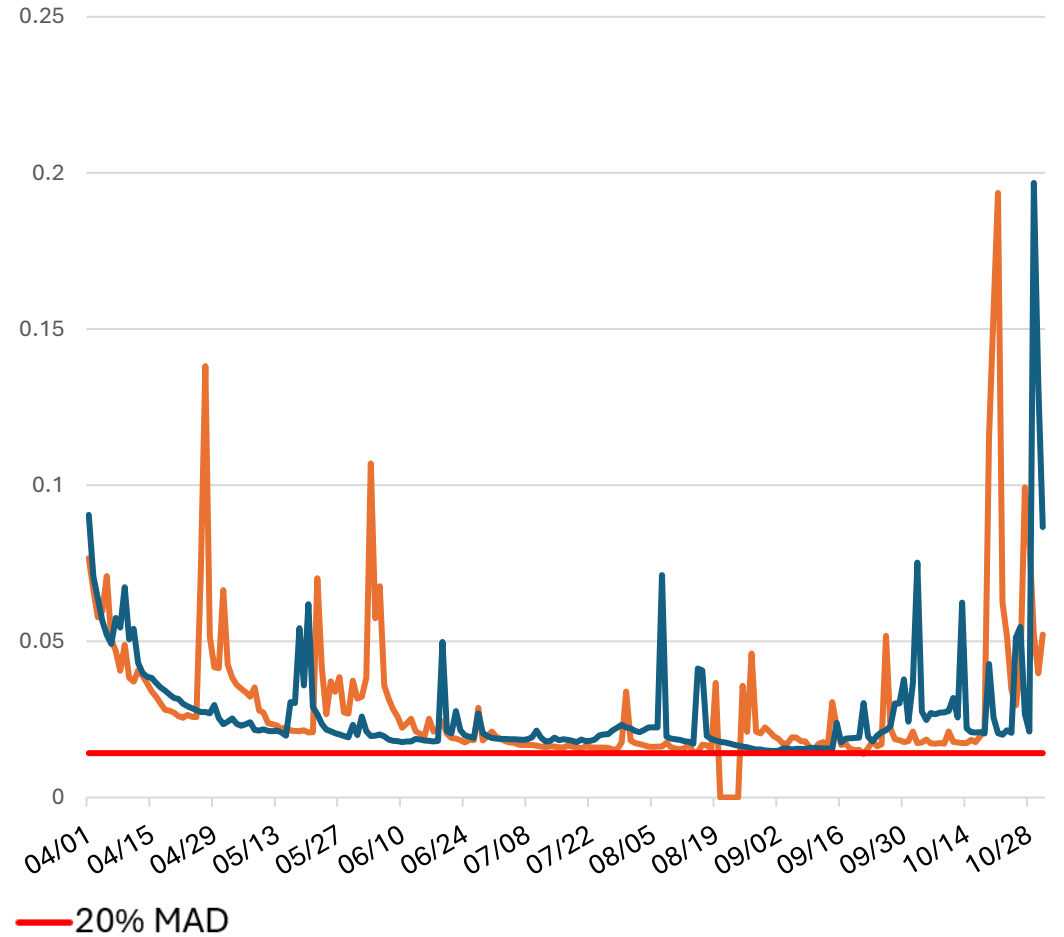
Low Flow – April to October

Note: 2025 data is preliminary

Cottle Creek



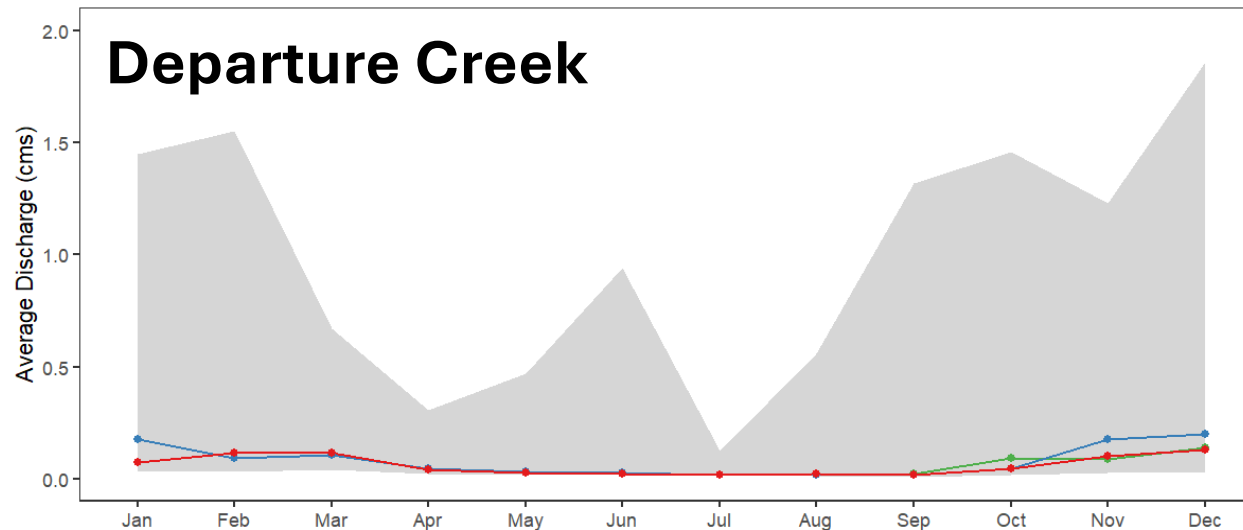
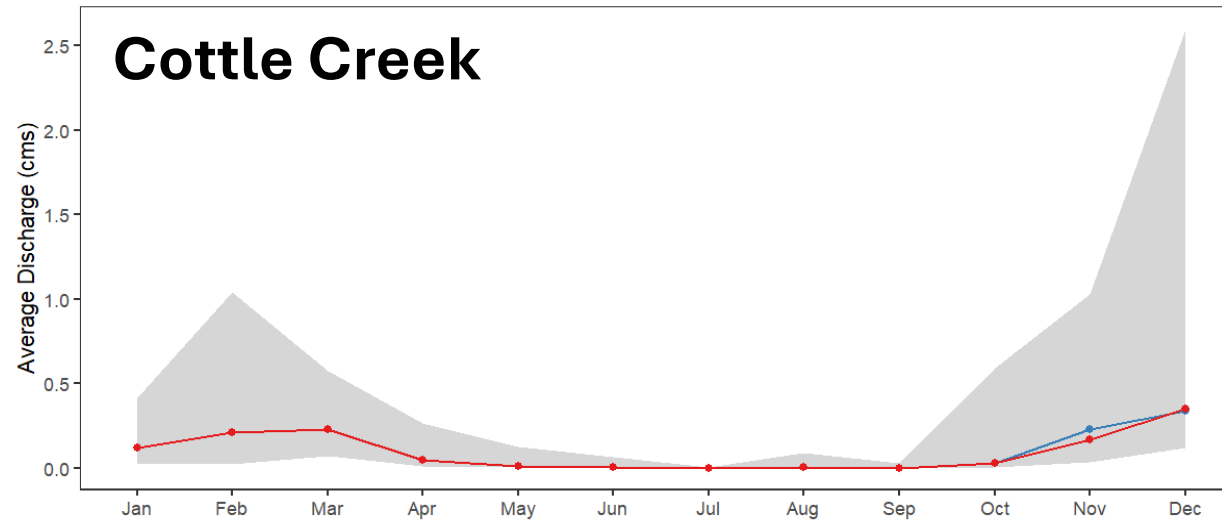
Departure Creek



— 2024 — 2025 — 20% MAD

Mean monthly flow 2024-2025

Note: 2025 data is preliminary



Grey shading indicates maximum and minimum values

—●— 2023 —●— 2024 —●— 2025

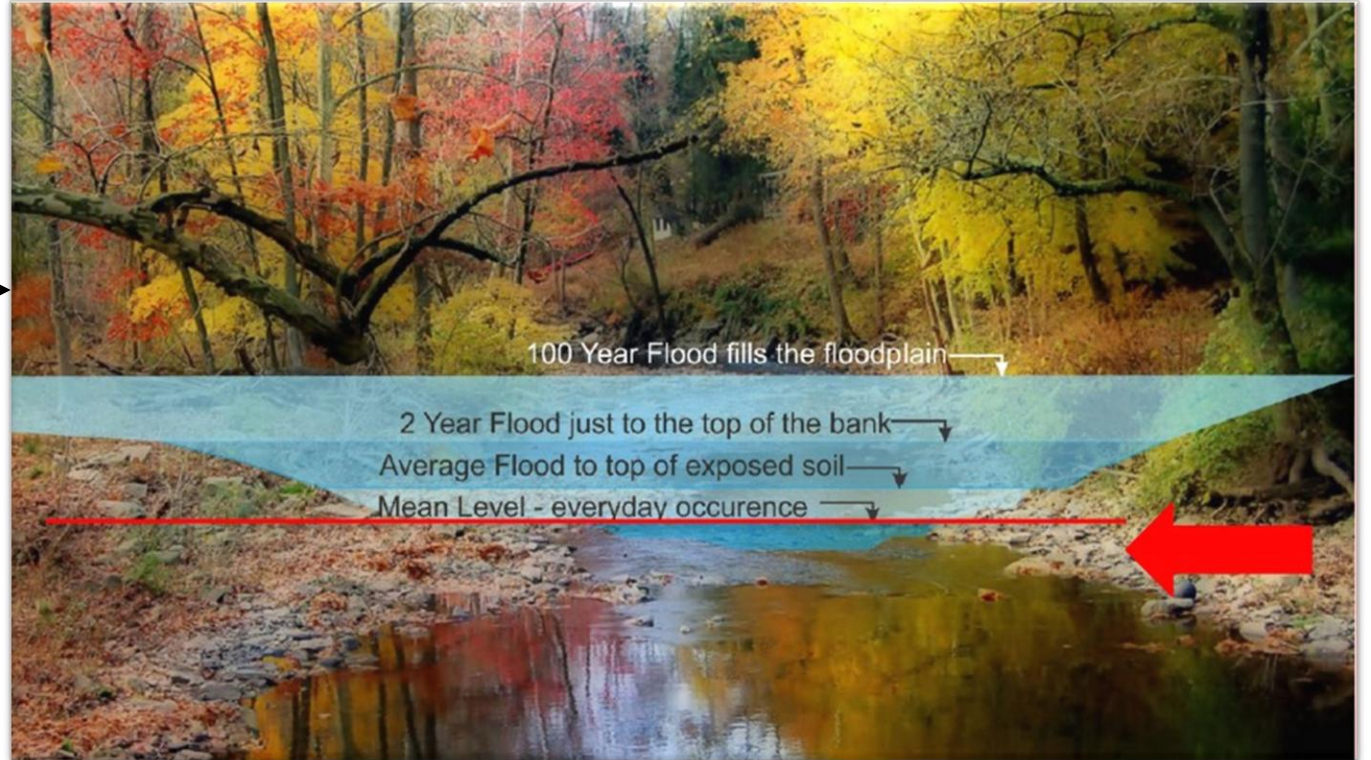
Flow Data to Action

Cottle Creek

- Flows - Fish Habitat modelling →
- Exploring water storage options in upper watershed

Departure Creek

- Sharing data with City of Nanaimo to assist with drainage modelling
- Exploring green infrastructure to slow down stormwater entering stream



2026 and Beyond

- Open to **anyone** interested in monitoring streamflow in their local community
- Limited **extra** capacity for new stations in 2026
(expected to expand as program grows)
- Lots of **opportunity** for training and resource sharing



Upcoming in 2026

- 2026 Flow Regatta – late July (date TBD)
- 2026 Fall Network Meeting - Oct/Nov



Thank you

More info: cfmnvi.com

Contact: awall@bccf.com



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