

Community Flow Monitoring Network



Vancouver Island

SPRING 2025 Network Meeting

April 24, 2025

10:00 AM - 12:00 PM

Via Zoom

Project funding and support provided by:



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Ministry of
Environment
and Parks



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Community Gaming Grants



the partnership
for water sustainability in bc

Meeting Agenda

- **Spring 2025**
 - New Equipment
 - Monitoring Schedule
 - Site visits & Rating shifts
- **Participant survey - recap & results**
- **Data to Action Spotlight**
- **Discussion**
- **Sarah Hardy, BC Ministry of Environment and Parks**
 - Aquarius WebPortal and Expanded Rating Tables

5-10 minute break (~ 11:10)

- **Guest Presentation:**
Colin Middleton, Environmental Flows Biologist, BC Ministry of Water, Land and Resource Stewardship
 - Critical Environmental Flow Threshold methodology.



Spring 2025...

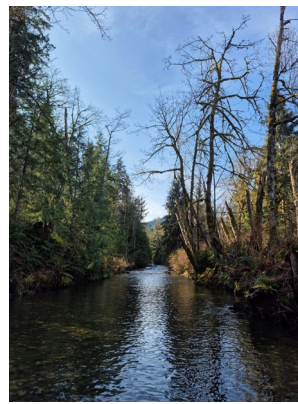
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Spring 2025...

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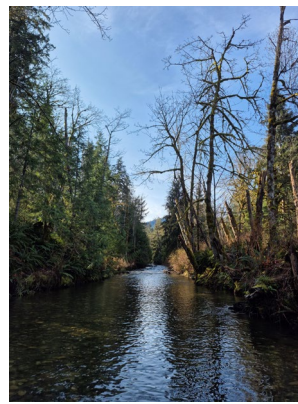


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New Equipment



New Equipment

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FlowTracker2

Direct Read Cables



With funding provided by:



the partnership
for water sustainability in bc

New Equipment

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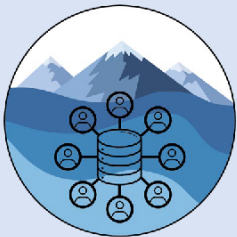


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FlowTracker2

Direct Read Cables





Vancouver Island Community Flow Monitoring Network

Annual Field Work Schedule (General)

Winter

January – early March:

- Winter *high* flow measurement – FT2*
stage + discharge
- **Logger downloads**

**only if safe to enter stream; ADCP measurements can be conducted with assistance from Province for larger streams and rivers*

Spring

Late March – June:

- Spring *moderate* flow measurement – FT2
stage + discharge
- **Station maintenance**
 - clean debris inside logger pipe
 - note any other maintenance to be done during low flow
- **Logger downloads**
- **Level Survey**

+ extra measurements

Summer

Late June/July:

- Low flow measurement – FT2 or bucketfill
stage + discharge
- **Station maintenance**
 - clean logger pipe
 - re-secure logger housing, staff gauge
 - replace equipment where necessary

July/August:

- Low flow measurement – FT2 or bucketfill
stage + discharge
- **Logger downloads**

Fall

September/October:

- Fall *moderate* flow measurement – FT
stage + discharge
- **Level Survey**

November/December:

- Fall *high* flow measurement – FT2*
stage + discharge
- **Logger downloads**

**only if safe to enter stream*

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Site Visits

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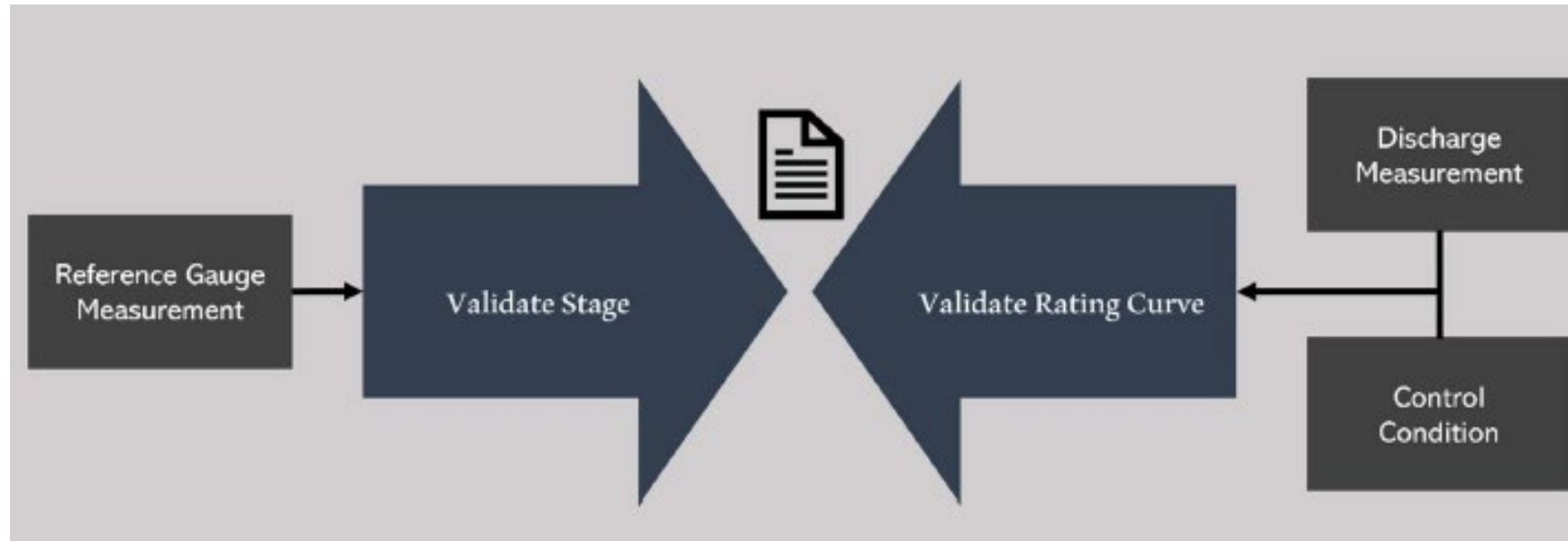


Figure from Introduction to Data Review presentation by Jon Jeffery

Order of Operations

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1. Arrive on site, take a picture of the control.
2. Obtain a reference staff gauge reading
3. Conduct a discharge measurement – **check against rating curve**
4. Clear control, if obviously backwatered.
 - *Field notes should clearly indicate when the control was cleaned and when activity stopped. Alternatively, leave it as is.*
5. Once the control has been cleared, download the data
6. Take a second control picture
7. Obtain a final reference staff gauge reading

Rating Shift

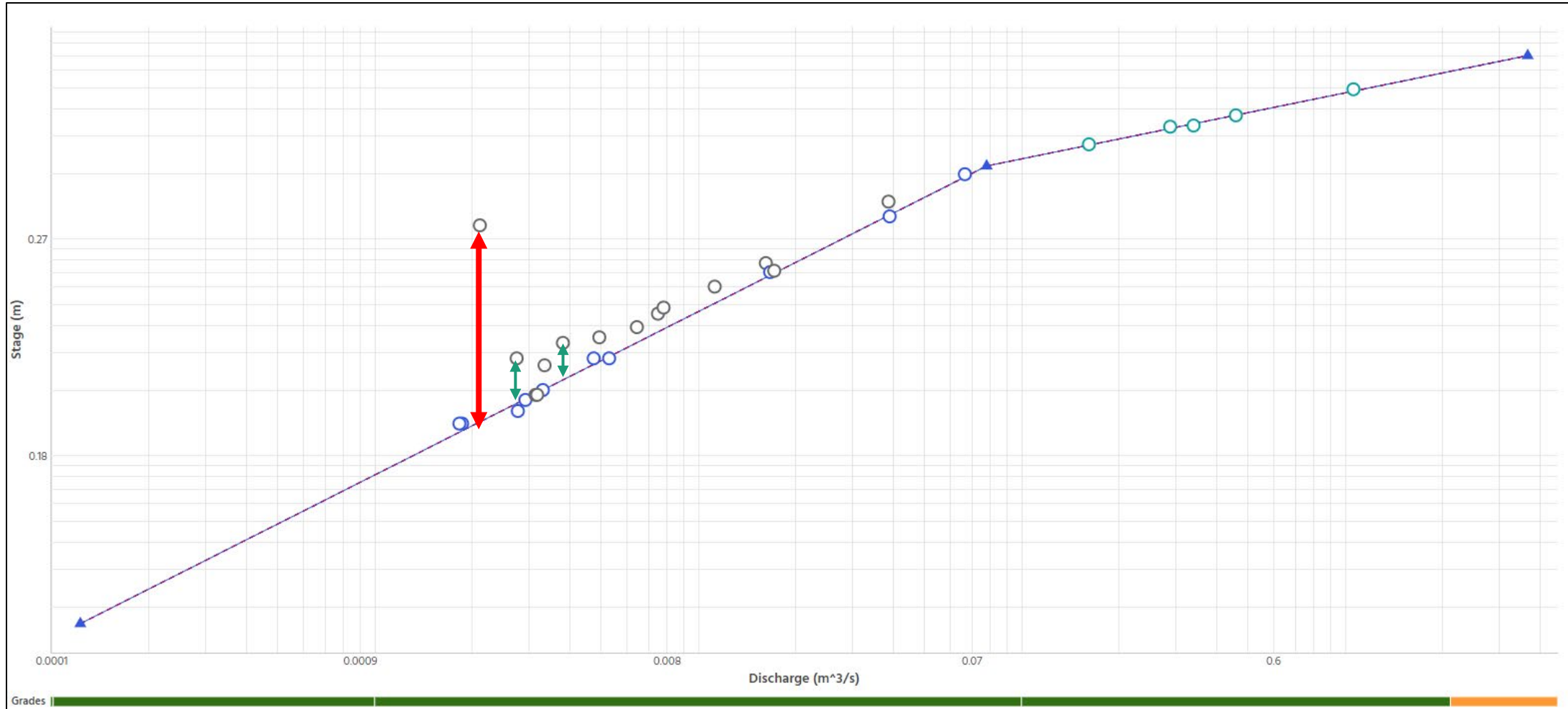
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Rating Shift



Table 1-1: Standards requirement criteria (Contd.)

Data Quality Indicator	Standard Grade for Discharge Data					
	Grade A/RS	Grade A	Grade B	Grade C	Grade E (Estimated)	Grade U (Unknown data quality)
Number of benchmark elevation and ref. gauge elevation level checks per year	2 or more, or at least once when ref. gauge and the benchmarks have been documented to be stable	2 or more, or at least once when ref. gauge and the benchmarks have been documented to be stable	2 or more, or at least once when ref. gauge and the benchmarks have been documented to be stable	1 or more	See Notes below	Undefined
Data Calculation and Assessment						
Discharge rating accuracy /Rating curve shift deviation threshold	<5%	<7%	<15%	<25%	See Notes below	Undefined
Data and calculation reviewed for anomalies	Yes	Yes	Yes	Yes	See Notes below	Undefined

- RISC C = 15-25% rating shift
- If greater than 25% - **need to redo ASAP**
 - Can determine if rating curve still valid

Handouts

- Station info
 - Map, BMs, Transect spots, etc.
- Rating tables
- Order of operations checklist
- Station summary documents



created: 2024-10-23 09:22:03 UTC-08:00 created by: SHARDY updated: 2024-11-26 13:34:57 UTC-08:00 updated by: SHARDY remarks: Rating curve from July 2022 onwards after integration into FLOMO network and datum establishment.										
set1: 8.5700 <div>Offsets and Breakpoints</div> <div>Expanded Rating Table: 3.00</div>										
Stage (m)	Discharge (m ³ /s)									Difference in Discharge per 0.01 m
	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009
8.63			0.0194	0.0202	0.0211	0.0219	0.0228	0.0236	0.0246	0.0255
8.64	0.0264	0.0274	0.0284	0.0294	0.0304	0.0315	0.0326	0.0336	0.0348	0.0359
8.65	0.0371	0.0383	0.0395	0.0407	0.042	0.0432	0.0445	0.0459	0.0472	0.0486
8.66	0.05	0.0514	0.0528	0.0543	0.0558	0.0573	0.0589	0.0604	0.062	0.0636
								0.0675	0.0793	0.0812
								0.0972	0.0993	0.101
								0.12	0.122	0.124
								0.145	0.148	0.15
								0.173	0.176	0.179
								0.205	0.208	0.211
								0.239	0.243	0.247
								0.278	0.282	0.286
								0.319	0.323	0.328
										0.0425

Page 1/2			
HYDROMETRIC STATION DESCRIPTION			
Station #:	08HB0012	Operating Period:	low-flow
Station Name:	Tsolum River @ McNaughton		
Date Established:	2012-09-13		
Operating Agency:	TRRS	Contact:	TRRS
Technician:	H. Murray, N. Weins, K. Gair	Region:	Courtenay
Latitude (dec.):		Longitude (dec.):	
Telemetry (Y/N):	N	Telemetry Type:	
Window	Channel	NESDIS ID:	
Period	First	Rate	
Station Description and Purpose:			
Monitoring stage-discharge for Tsolum River which supports a diversity of fish species while also providing critical water for agricultural irrigation. TRRS has specific conservation goals related to the long-term monitoring at this site, including comparison with the Water Survey of Canada gauge (Tsolum River near Courtenay) and releases from Wolf Lake.			

Page 2/2			
HYDROMETRIC SITE SKETCHES			
Site Map of benchmarks and surrounding features:			

Surveys

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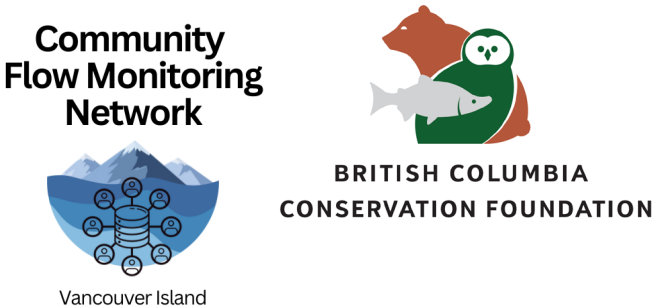


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Surveys




Two surveys distributed to volunteers each year of project (2023, 2024, 2025)

Technical Knowledge Tracking

Community Flow Monitoring Network - Vancouver Island

Continuing Participation Survey

Community Flow Monitoring Network



Vancouver Island

The purpose of this survey is to help assess your personal understanding of streamflow monitoring concepts while actively participating in the Flow Monitoring Network.

This survey is meant to track changes in participant knowledge and information retention over time. And, hopefully, assess how participants’ responses change (or if any change is observed at all) after taking part in the network. This is so we can assess whether the training we are providing is having a positive impact.

This survey should take about 10-15 minutes to complete. Please answer to the best of your ability, and do not refer to outside sources for information. **All responses will be kept confidential.**

Self-Assessment Statements

1. I am confident in my knowledge of different streamflow monitoring techniques

☐

1 – I am not confident at all, I need lots of field support

☐

2 – I am somewhat confident, I benefit from regular field support but concepts come easily


☐

3 – I am very confident, I have few questions and don’t require regular field support (the occasional visit helps)

☐

4 – I am extremely confident and I can find answers to all of my own questions without support

Flow Protection Policy Self-Assessment



Community Flow Monitoring Network
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2025 Community Flow Monitoring Network
Knowledge Tracking Survey

B

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↺

↻

This survey is intended for participants in the Community Flow Monitoring Network, a program delivered by BC Conservation Foundation in partnership with the Province of BC.

This is an anonymous survey meant only to capture your self-assessment of issue awareness, primarily about fish habitat impacts and streamflow regulation. The information collected will be used to help our program to better understand how we can provide education and resource materials.

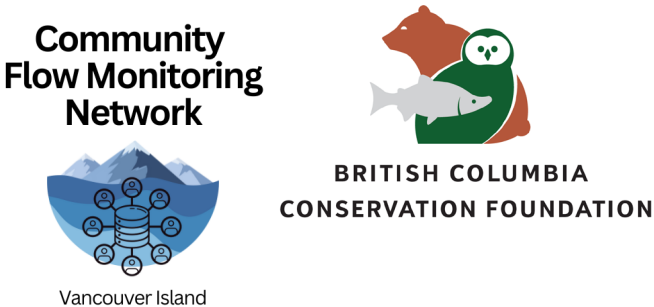
It is only 4 questions long, and should take less than two minutes to complete.

How would you rank your personal level of awareness of flow protection policy in BC? *

☐

0 - Very low

Surveys




Two surveys distributed to volunteers each year of project (2023, 2024, 2025)

Technical Knowledge Tracking

Community Flow Monitoring Network - Vancouver Island

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Vancouver Island

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Flow Protection Policy Self-Assessment



Community Flow Monitoring Network
Vancouver Island

2025 Community Flow Monitoring Network
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Technical Knowledge Tracking Survey

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Arranged into 4 parts:

Self Assessment

3 Questions

**Transect Site
Selection**

4 Questions

**FlowTracker
Operation**

3 Questions

Data

8 Questions

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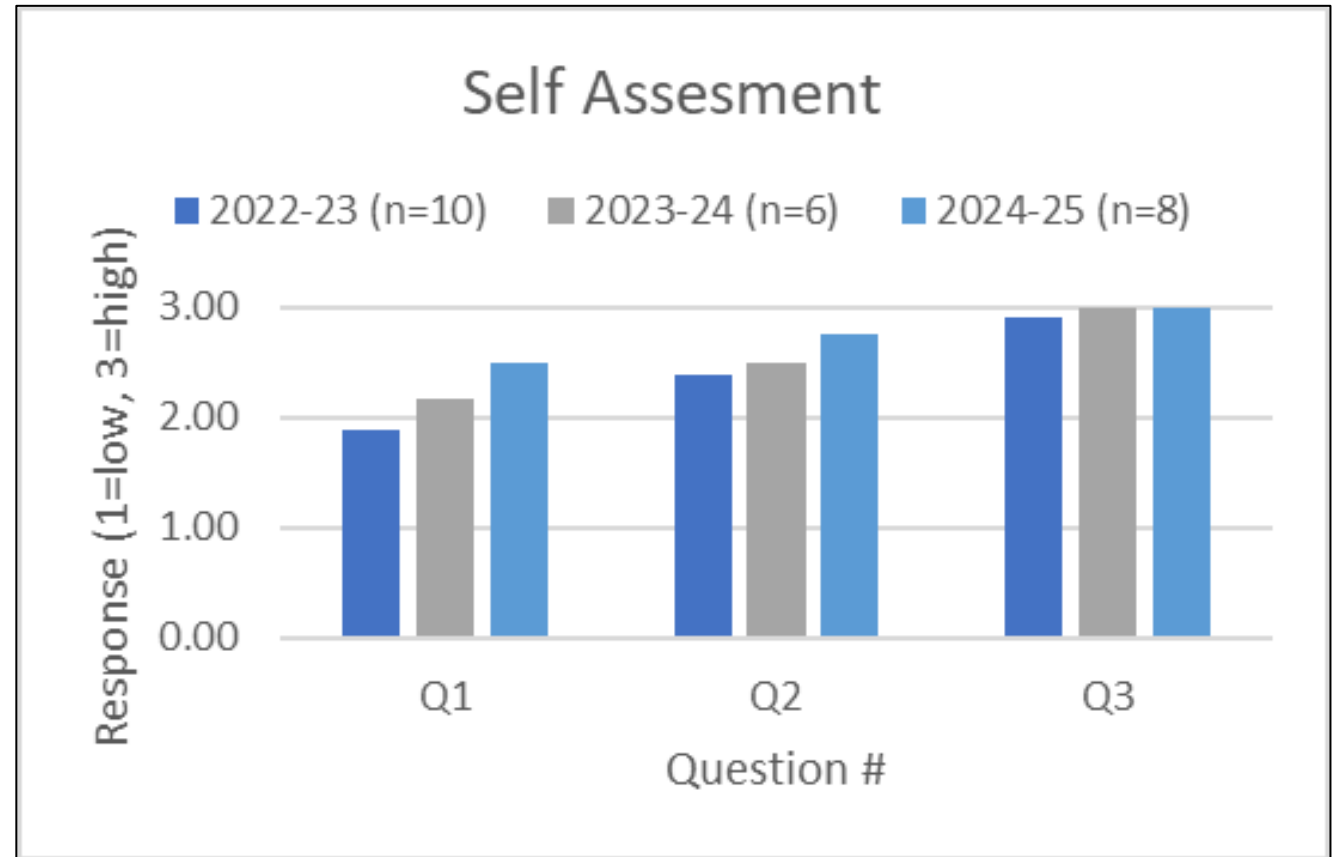


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Results:

Self Assessment Questions:

1. I am confident in my knowledge of different streamflow monitoring techniques
2. I feel a sense of community around the act of streamflow monitoring
3. I enjoy monitoring streamflow in my community



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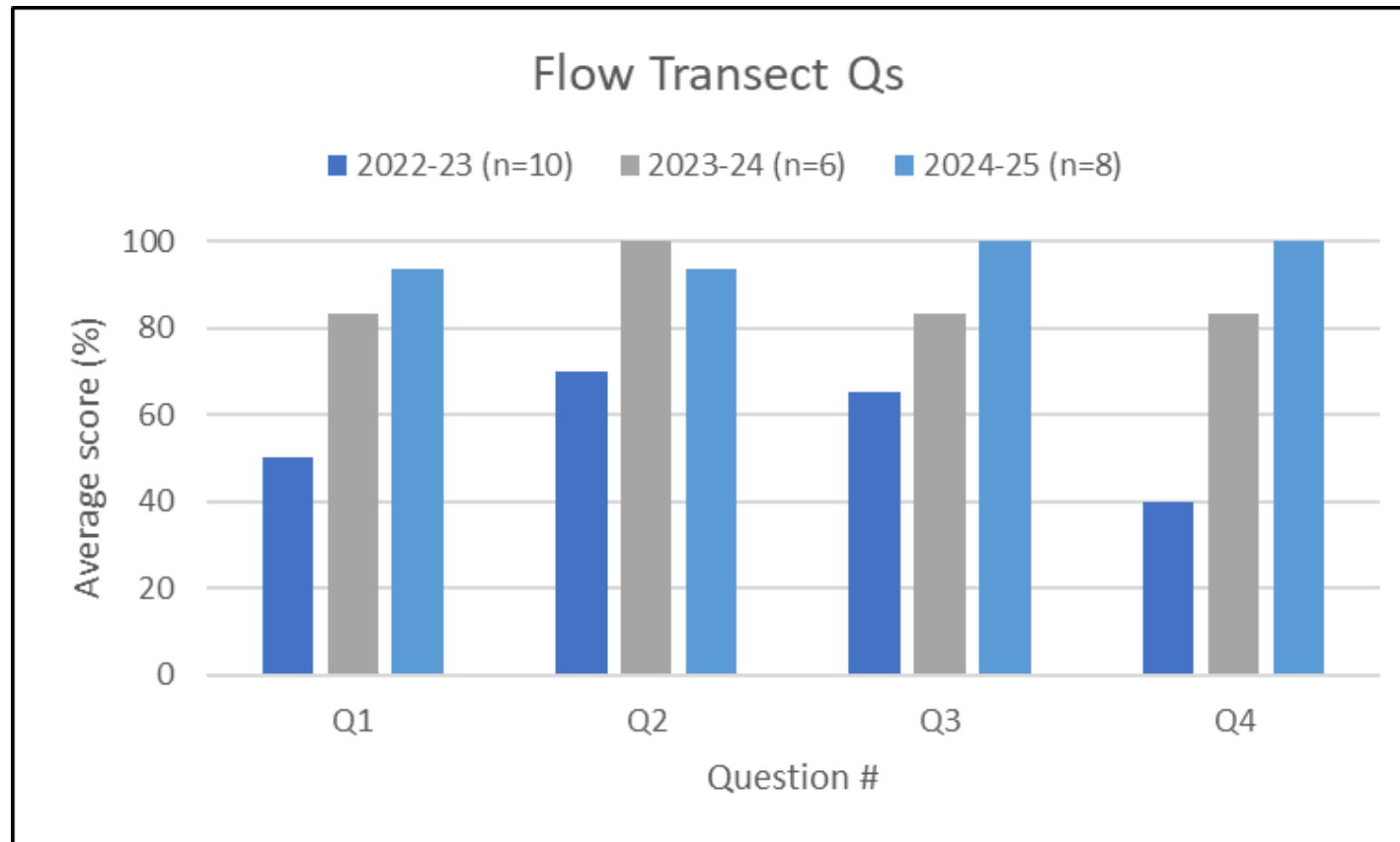


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Results:



Technical Knowledge Tracking Survey

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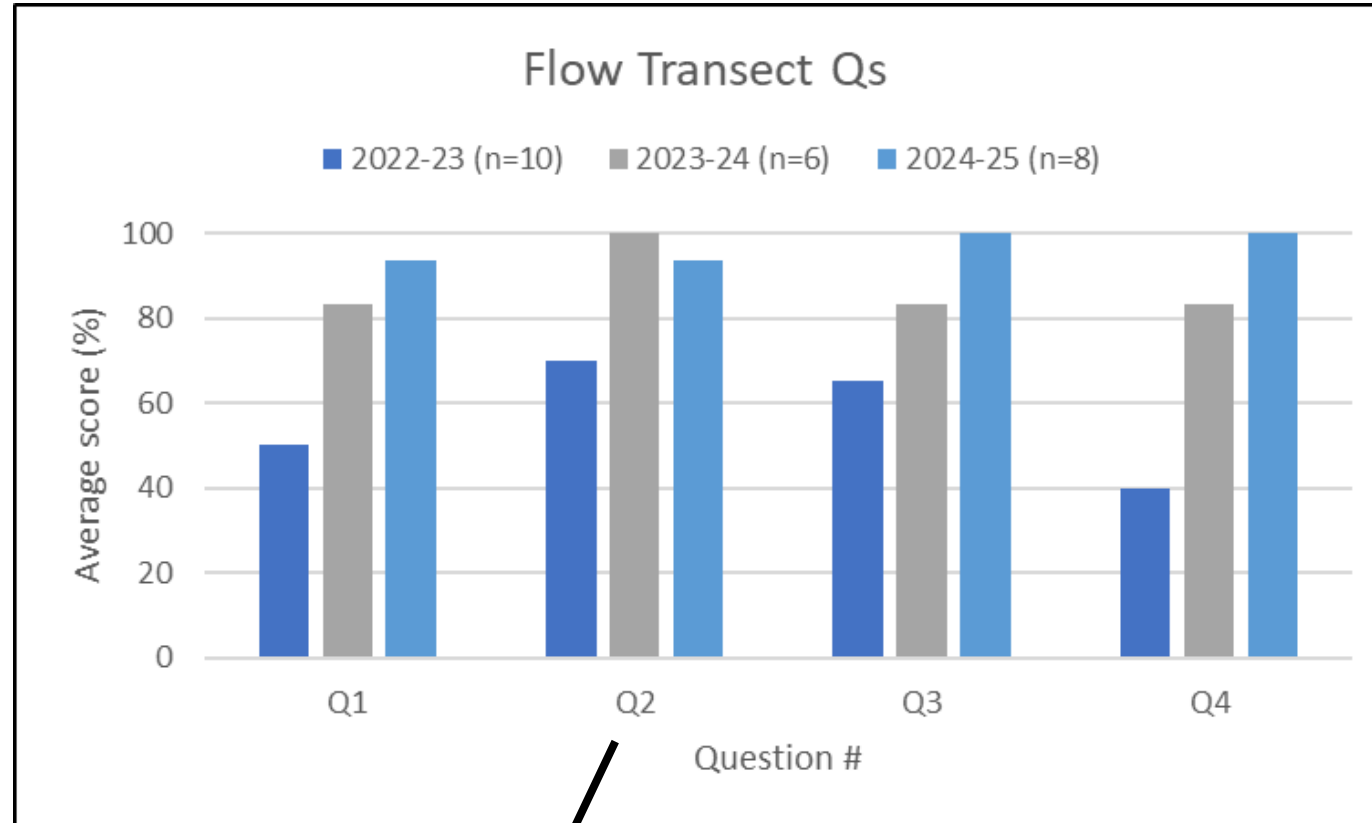


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Results:



Q2. "What is one issue that is commonly encountered when selecting a **transect site**"

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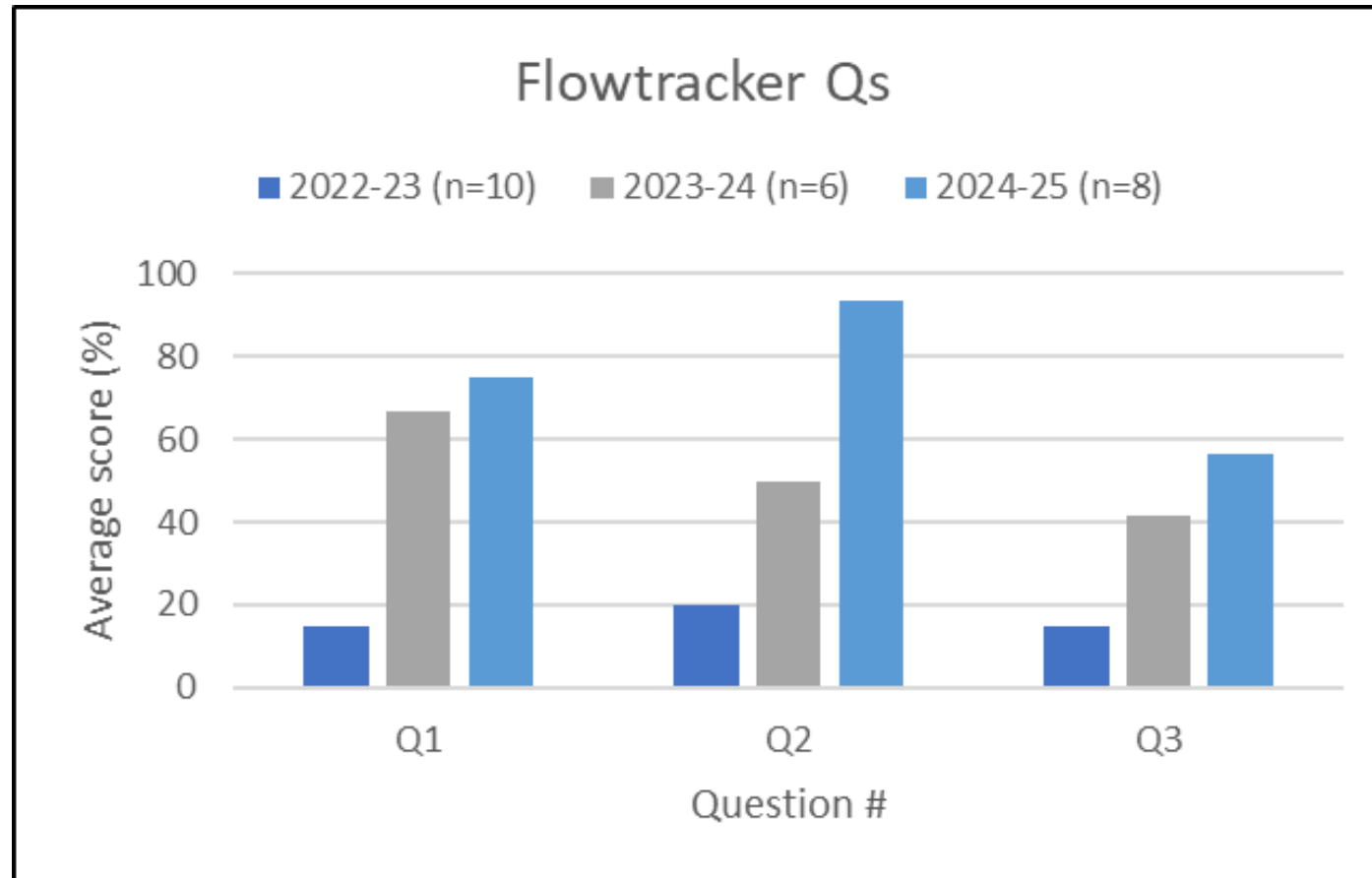


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Results:



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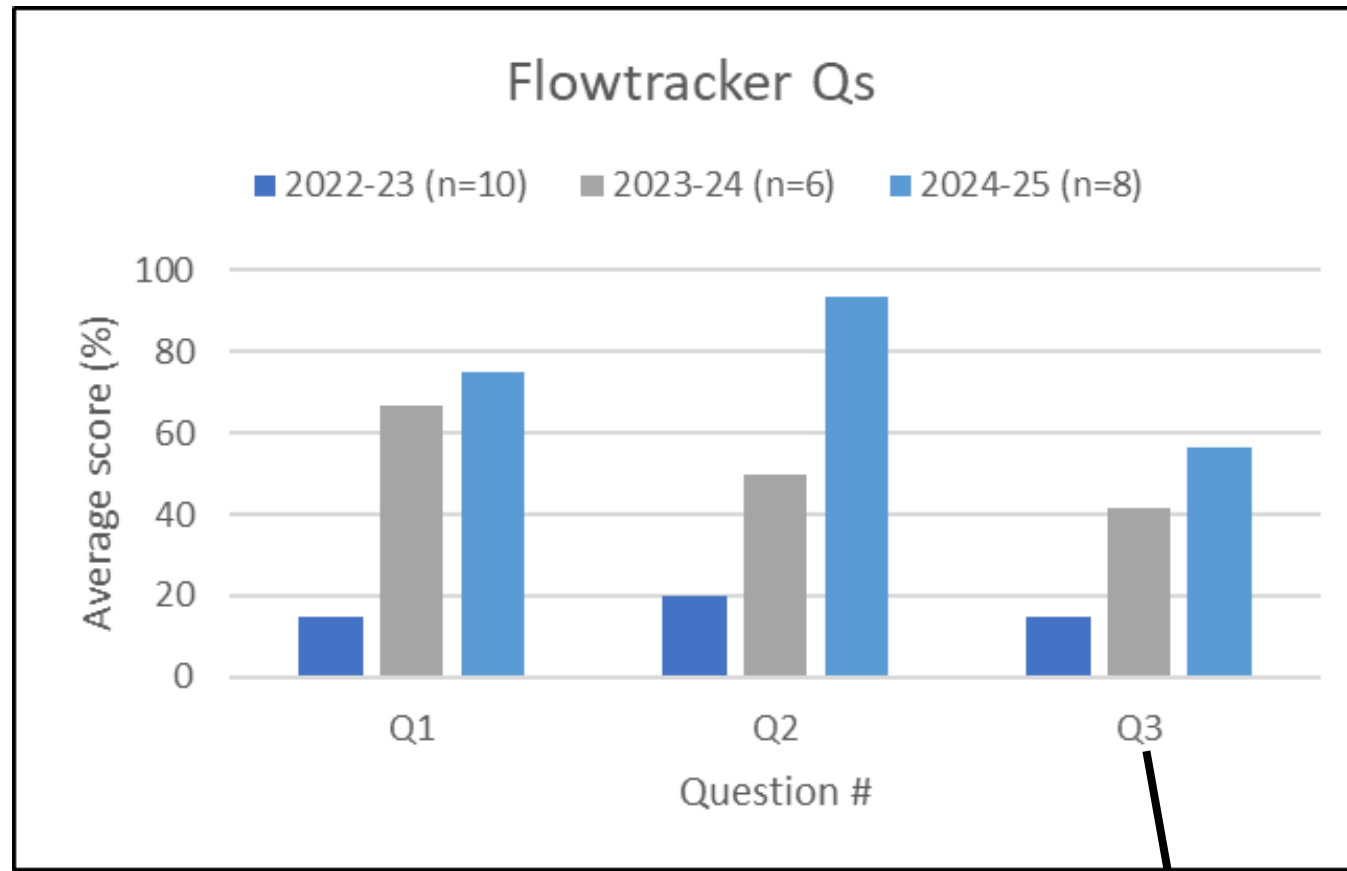


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Results:



Q3. “What can you do in the event of a **low SNR** warning?”

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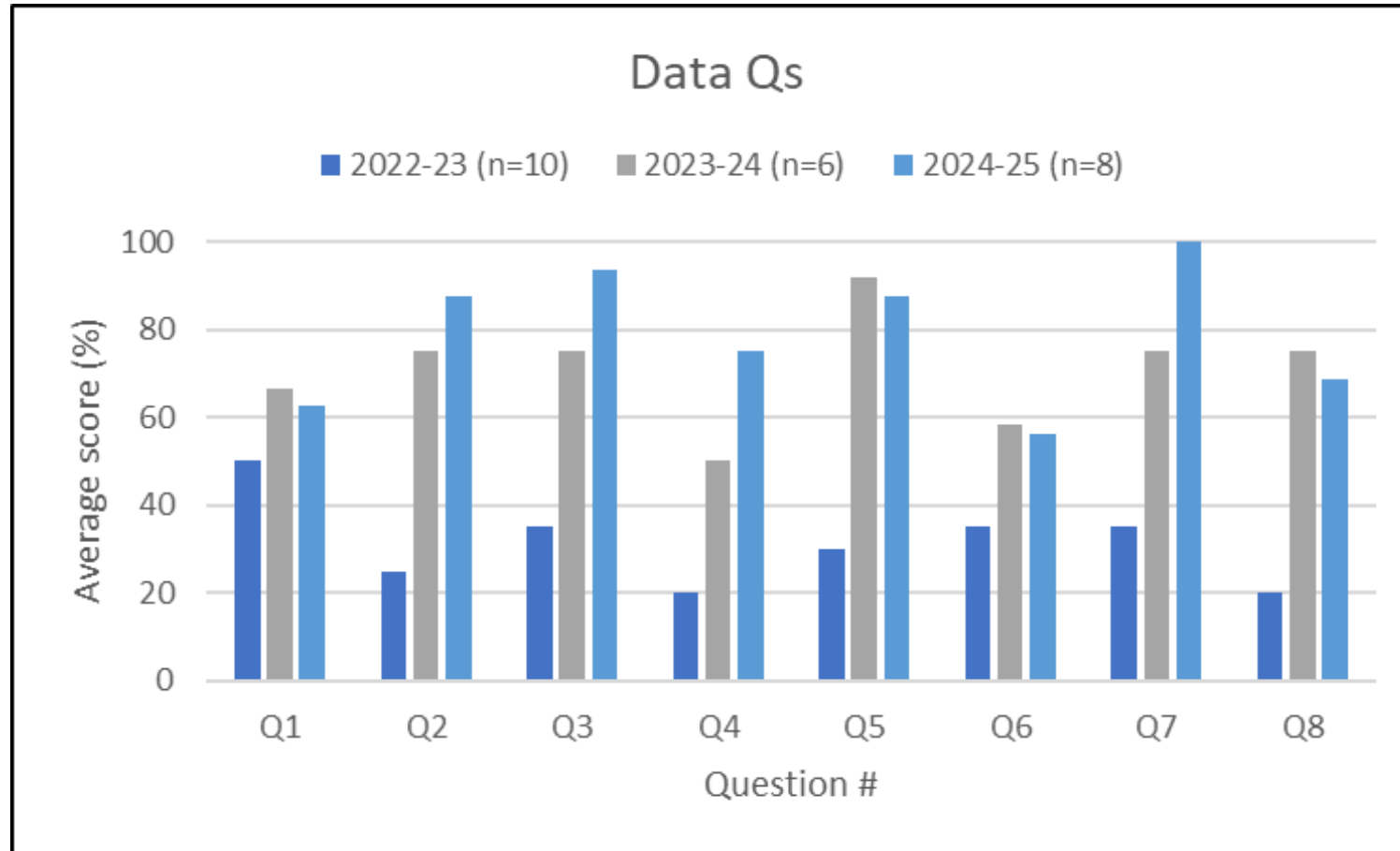


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Results



Technical Knowledge Tracking Survey

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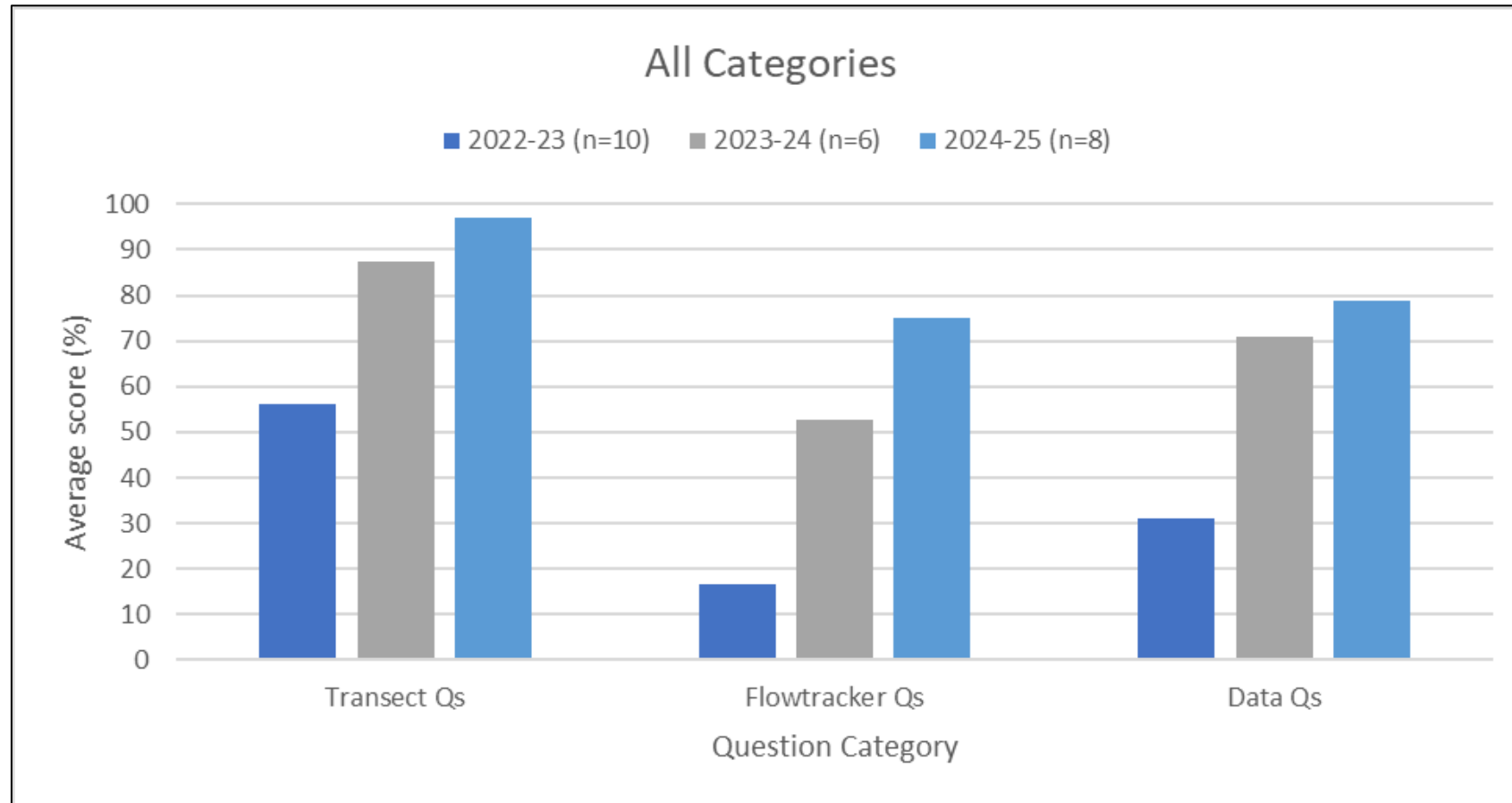


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Results



A photograph of a small stream flowing over dark, mossy rocks in a forest. The water is clear and reflects the surrounding greenery. The rocks are large and smooth, with patches of moss. The background shows more rocks and some green plants.

Data-to-Action Spotlight



Data-to-Action Spotlight

- **Beach Creek** - flow data shared with Town of Qualicum Beach for culvert replacement project
- **Departure Creek** – flow data shared with City of Nanaimo for catchment study and drainage modelling of watershed
- **Morrison Creek** – flow data shared with DFO for fish passage study through culvert



Other data-to-action success
stories or exciting projects
planned ?

Thoughts?

Comments?

Questions?



Photo by Hayati Kayhan

New info that has changed or
reaffirmed your monitoring goals?



Photo by barfblog.com

Community Flow Monitoring Network



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5 Minute Break

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Thank you!

Contact:

abadger@bccf.com



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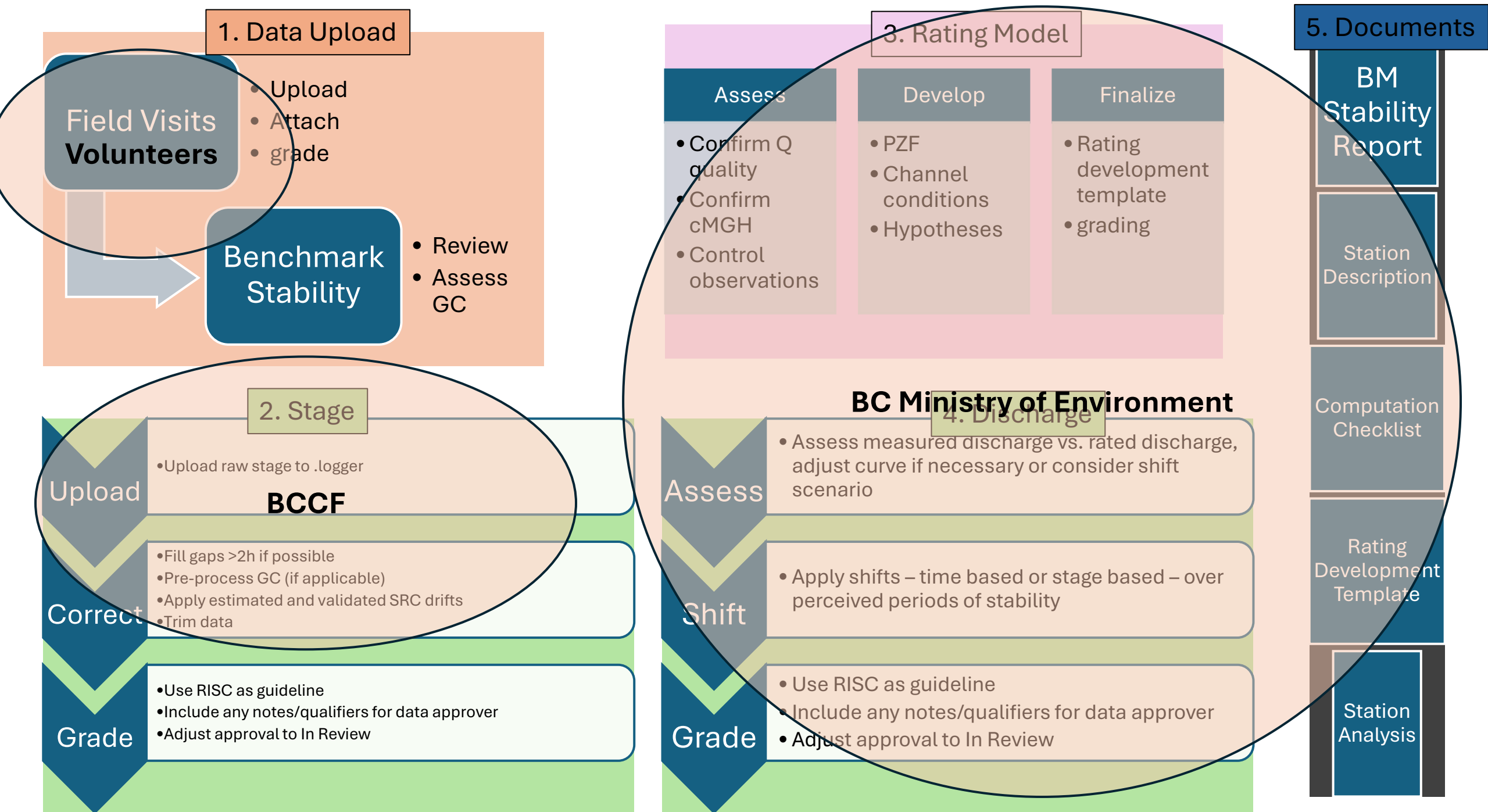
Ministry of
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Flo-Mo Roundup

April 24, 2025

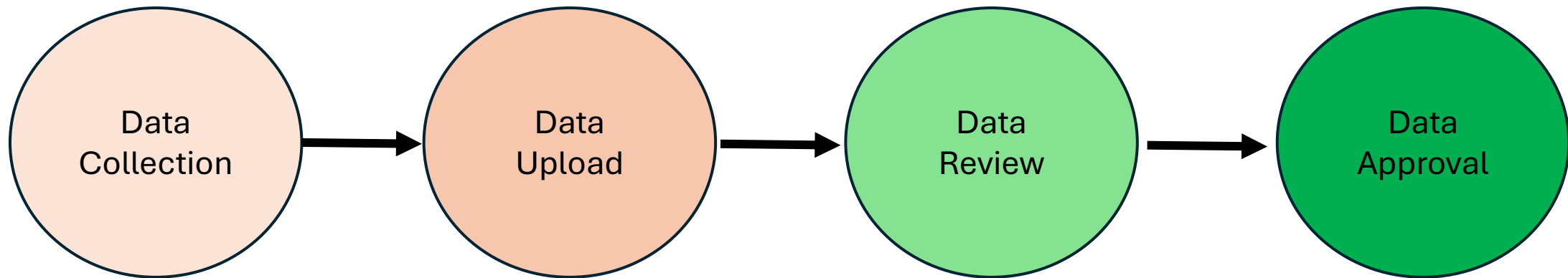
Update

- Higher water visits – BCCF/MOE collab?
- Data review
 - 2024 to be finalized after 1st visit level survey visit in 2025
 - Historical review
 - Tsolum (2012-2024 complete!)
 - Wilfred next
 - Ongoing rating curve development at new sites
 - Departure – complete!
 - Morrison – complete!
 - Next up: Cottle, Walley
 - Data review
 - Morrison 95% complete



Data Production

- Approval means the data is locked, it is available



WHO?

Volunteers
BCCF

BCCF

BCCF
ENV

ENV

WHAT?

Field visits
Logger D/Ls

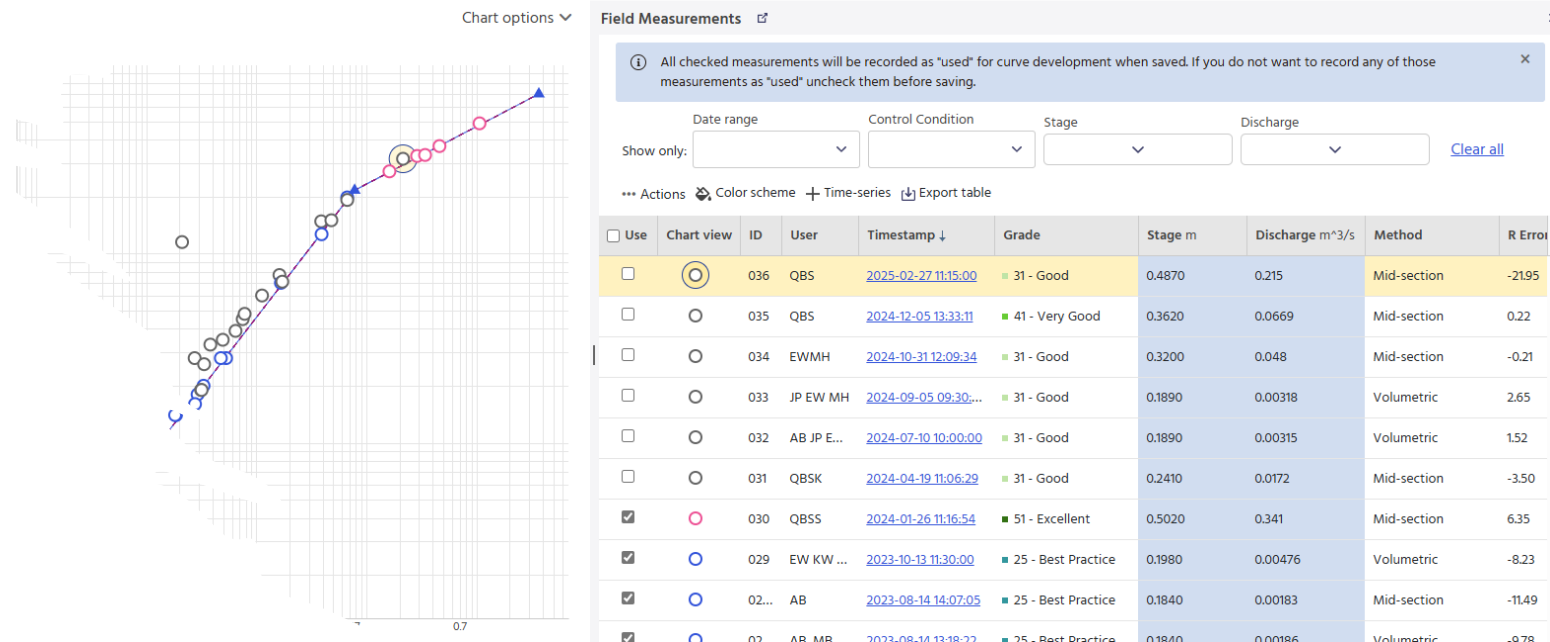
BC Aquarius
Google drive

BC Aquarius

BC Aquarius
Web Portal

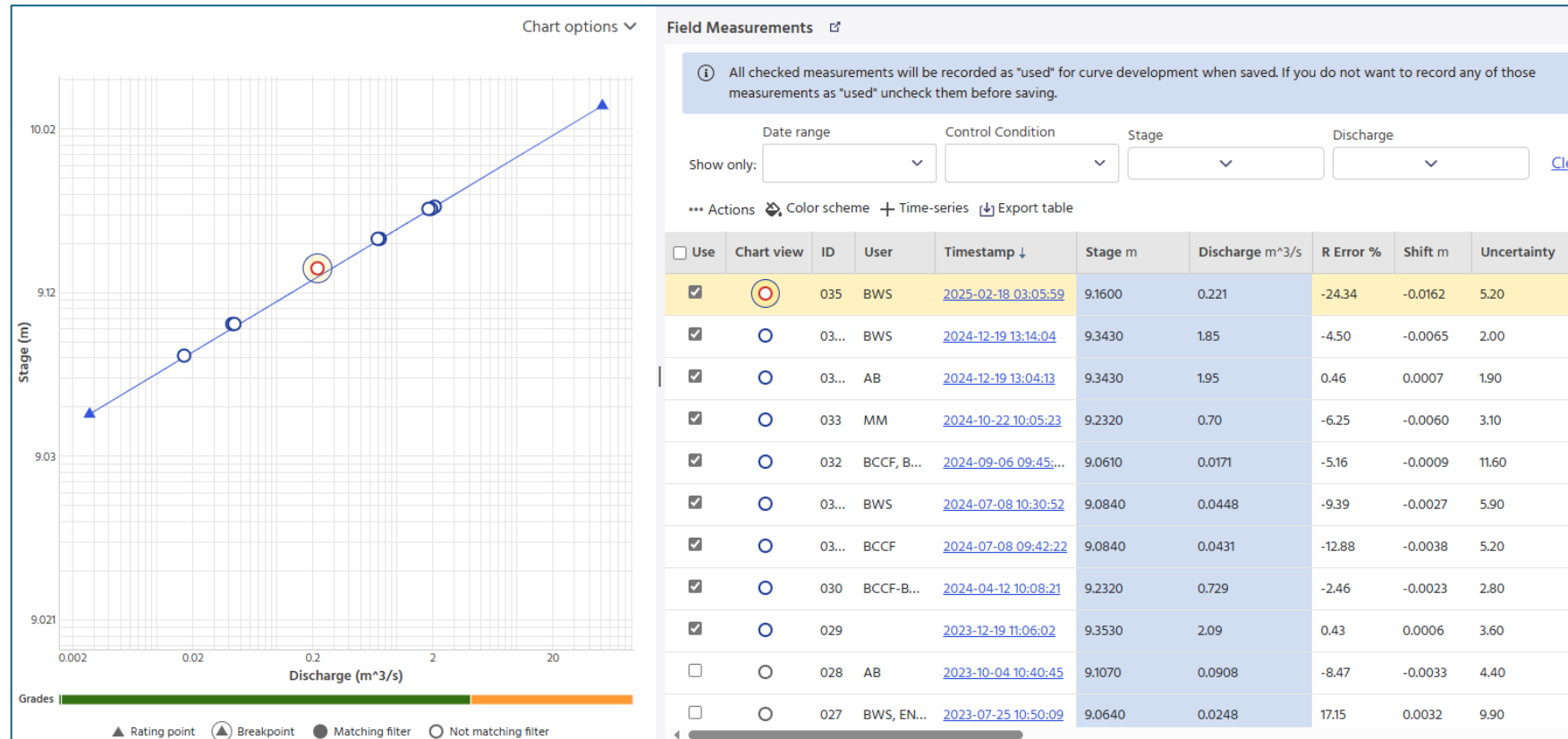
Grandon Creek

- curve verification!
- Nice higher water measurements near transition zone



Cook Creek

- Watch for possible shift – last measurement in February, due for another one



Beach Creek

- Vegetation still tricky, but manageable if you measure discharge
- Frequent visits in spring and as vegetation grows in summer is great

2023

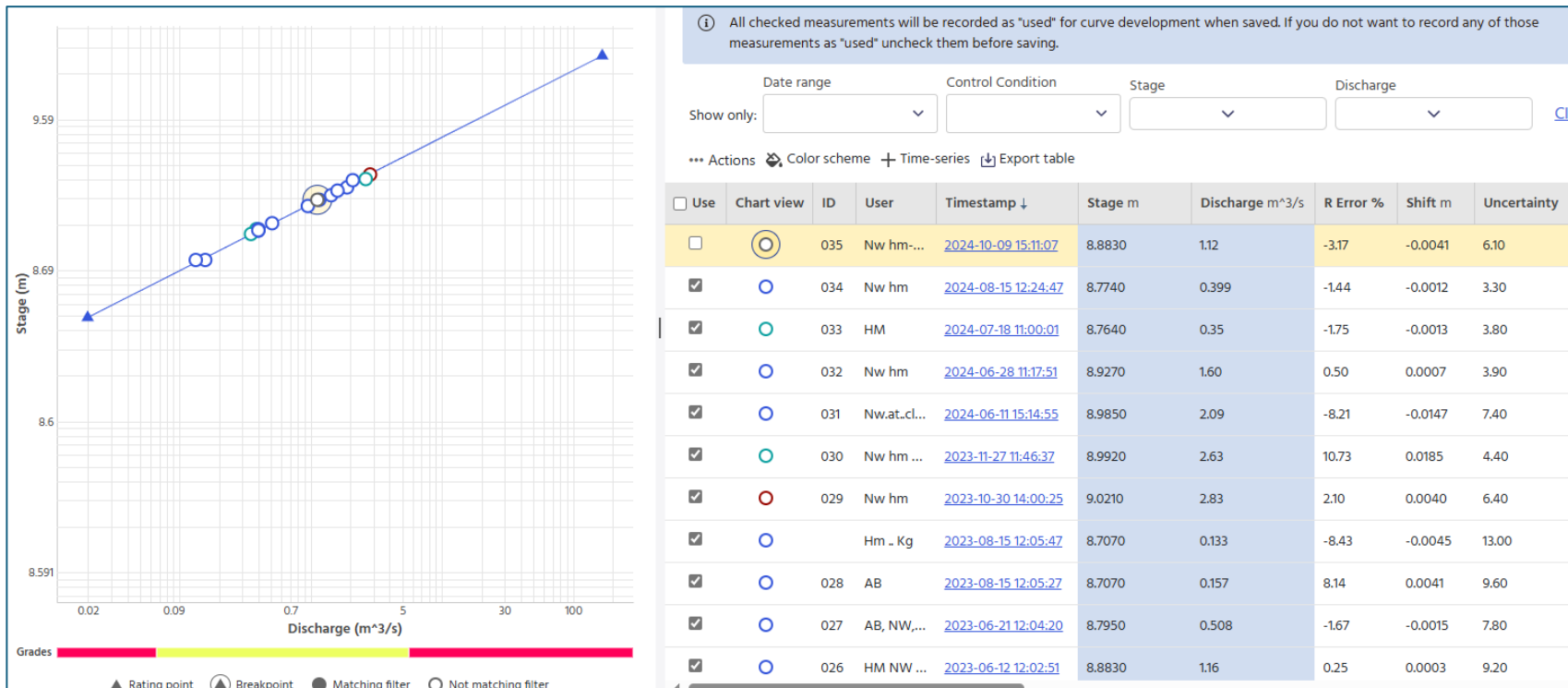


2025



Tsolum River

- Great work on frequent and targeted site visits!
- Makes curve verification MUCH easier!



Departure Creek

- Possible changes to control...
 - maybe scour?
 - Maybe discharge measurement issue?

2025-03-11 (0.128 m³/s +33% +0.017m)



2023-12-15 (0.144 m³/s +2.8% +0.002m)

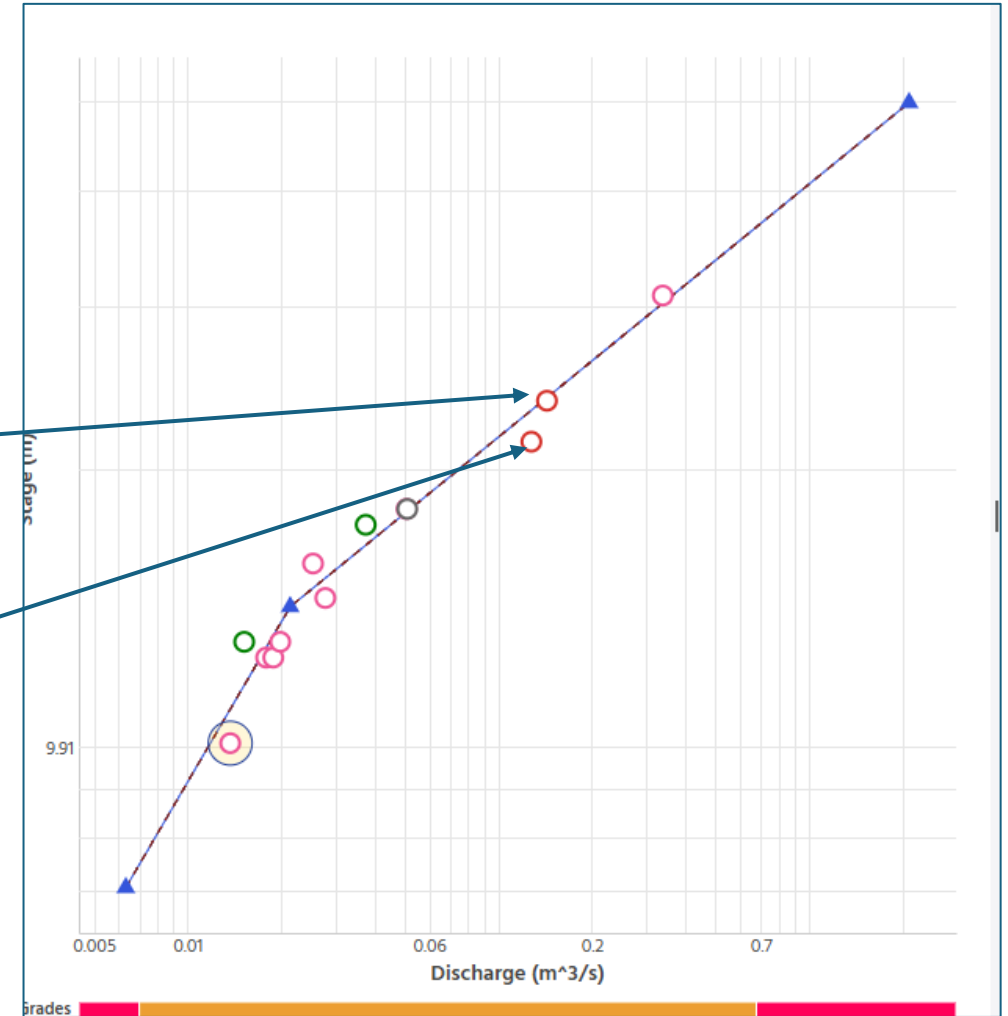


Departure Creek

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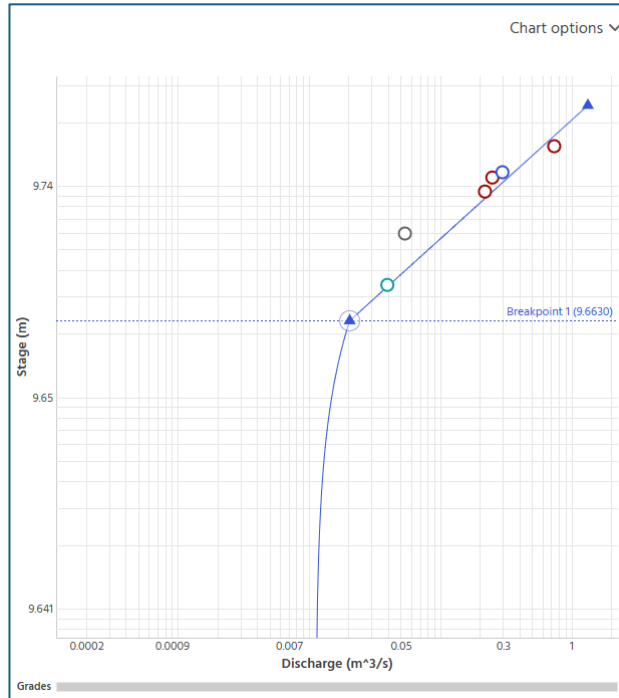
2023-12-15
(0.144 m³/s +2.8% +0.002m)

2025-03-11
(0.128 m³/s +33% +0.017m)



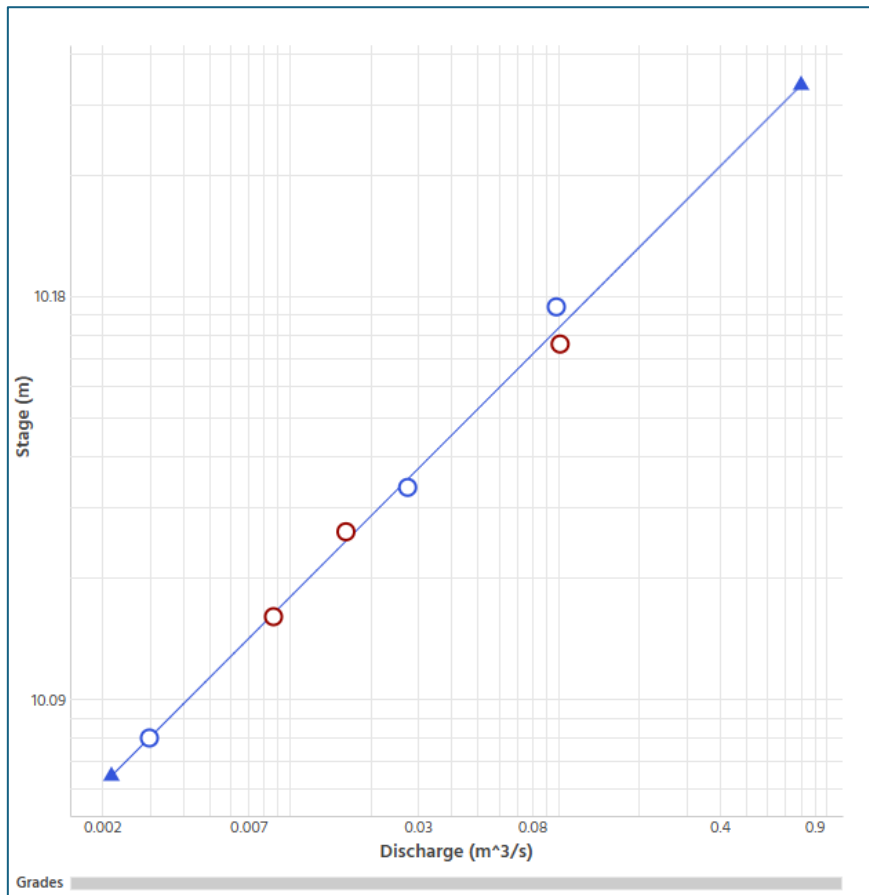
Cottle Creek

- Rating curve in development, great site notes ☺
- Clear measurements in spring are helpful



Walley Creek

- Rating curve in development, great visit frequency 😊



No place like
Gnome?



Takeaways

- Visit frequency – aim for frequency and variety
 - Frequency: every 4-6 weeks
 - Variety: low, medium, high flows (ENV can help with highs)
- Transition into spring/summer – more frequent visits are nice at this time of year before vegetation and leaf litter impact controls
- Note taking – avoid clearing controls while actively measuring discharge
- Equipment sharing and use...opportunity for networking and knowledge exchange!

Next Steps

- Data review
 - 2024 to be finalized after 1st visit level survey visit in 2025
 - Grandon – need 2025 level tie to commence data review
 - Cook – data ready for review, confirm shift at next visit
 - Wilfred - data ready for review, confirm shift at next visit
 - Beach - need 2025 level tie to commence data review
 - Tsolum - need 2025 level tie to commence data review
 - Departure – approved up to Jan 31, 2025
 - Cottle – waiting for more spring measurements to finalize rating curve, then data review summer 2025
 - Walley - waiting for more spring measurements to finalize rating curve, then data review summer 2025
 - Historical review on-going
 - Wilfred – 75% complete
 - Ongoing rating curve development at new sites
 - Cottle, Walley

Questions?

Jonathan.Jeffery@gov.bc.ca

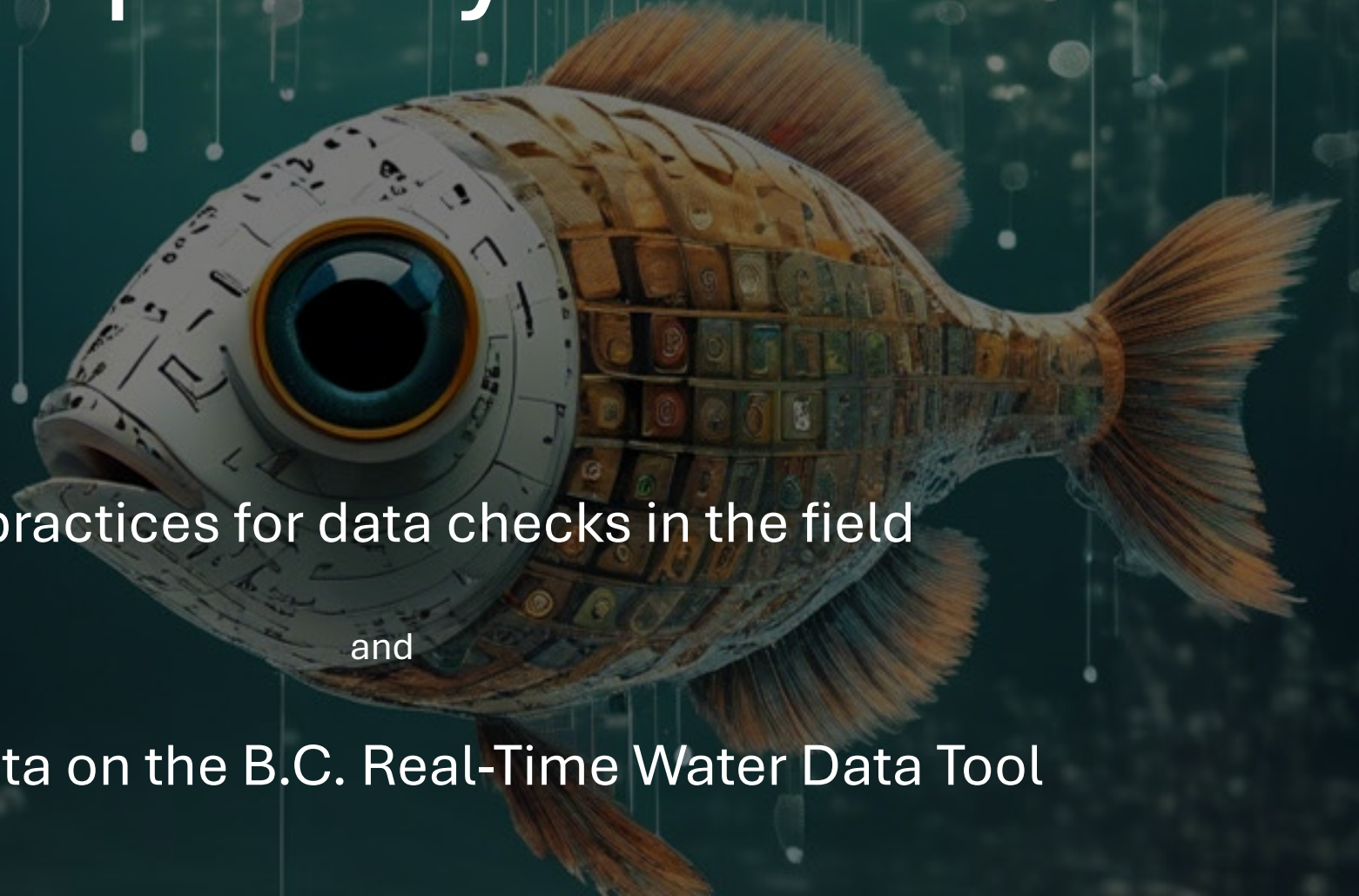
Sarah.hardy@gov.bc.ca

How to Keep An Eye on Your Data

Best practices for data checks in the field

and

Viewing data on the B.C. Real-Time Water Data Tool



Best Practices for Data Checks in the Field

Check your stage and discharge measurements in the field using the rating curve table (EHQ)



Expanded Rating Table: 1.00

Stage (m)	Discharge (m^3/s)									Difference in Discharge per 0.01 m	
	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	
9.19									0.0195	0.0204	
9.20	0.0213	0.0222	0.0232	0.0242	0.0252	0.0262	0.0272	0.0282	0.0293	0.0304	0.0102
9.21	0.0315	0.0327	0.0338	0.035	0.0362	0.0375	0.0387	0.04	0.0413	0.0426	0.0124
9.22	0.0439	0.0453	0.0467	0.0481	0.0495	0.0509	0.0524	0.0539	0.0554	0.0569	0.0146
9.23	0.0585	0.0601	0.0617	0.0633	0.065	0.0666	0.0683	0.07	0.0718	0.0735	0.0168
9.24	0.0753	0.0771	0.079	0.0808	0.0827	0.0846	0.0865	0.0885	0.0905	0.0924	0.0191
9.25	0.0945	0.0965	0.0986	0.101	0.103	0.105	0.107	0.109	0.111	0.114	0.0215
9.26	0.116	0.118	0.12	0.123	0.125	0.128	0.13	0.132	0.135	0.137	0.0238
9.27	0.14	0.142	0.145	0.147	0.15	0.153	0.155	0.158	0.161	0.163	0.0262
9.28	0.166	0.169	0.171	0.174	0.177	0.18	0.183	0.186	0.189	0.192	0.0286
9.29	0.195	0.198	0.201	0.204	0.207	0.21	0.213	0.216	0.219	0.222	0.0311
9.30	0.226	0.229	0.232	0.235	0.239	0.242	0.245	0.249	0.252	0.256	0.0335
9.31	0.259	0.263	0.266	0.27	0.273	0.277	0.281	0.284	0.288	0.292	0.036
9.32	0.295	0.299	0.303	0.307	0.31	0.314	0.318	0.322	0.326	0.33	0.0386
9.33	0.334	0.338	0.342	0.346	0.35	0.354	0.358	0.362	0.366	0.371	0.0411
9.34	0.375	0.379	0.383	0.388	0.392	0.396	0.401	0.405	0.41	0.414	0.0437
9.35	0.419	0.423	0.428	0.432	0.437	0.441	0.446	0.451	0.455	0.46	0.0462

Best Practices for Data Checks in the Field

Check your stage and discharge measurements in the field using the rating curve table (EHQ)



Rapidly helps determine:

Quality of discharge measurement

Potential actions:

- Re-do measurement if suspected to be inaccurate

Stability of control

- Shift (vegetation, debris)
 - New rating curve

Potential actions:

- Clean control if debris observed
- Notify Ally/Jon/Sarah if measurement is off curve by >25% (RISC C), observe trend (-,+)

How to Check Rating Curve Table

File located on Google Drive

- expanded-rating-table_SITENAME_DATE.txt

Expanded Rating Table: 1.00

Stage (m)	Discharge (m ³ /s)									Difference in Discharge per 0.01 m
	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009
9.19									0.0195	0.0204
9.20	0.0213	0.0222	0.0232	0.0242	0.0252	0.0262	0.0272	0.0282	0.0293	0.0304
9.21	0.0315	0.0327	0.0338	0.035	0.0362	0.0375	0.0387	0.04	0.0413	0.0426
9.22	0.0439	0.0453	0.0467	0.0481	0.0495	0.0509	0.0524	0.0539	0.0554	0.0569
9.23	0.0585	0.0601	0.0617	0.0633	0.065	0.0666	0.0683	0.07	0.0718	0.0735
9.24	0.0753	0.0771	0.079	0.0808	0.0827	0.0846	0.0865	0.0885	0.0905	0.0924
9.25	0.0945	0.0965	0.0986	0.101	0.103	0.105	0.107	0.109	0.111	0.114
9.26	0.116	0.118	0.12	0.123	0.125	0.128	0.13	0.132	0.135	0.137
9.27	0.14	0.142	0.145	0.147	0.15	0.153	0.155	0.158	0.161	0.163
9.28	0.166	0.169	0.171	0.174	0.177	0.18	0.183	0.186	0.189	0.192
9.29	0.195	0.198	0.201	0.204	0.207	0.21	0.213	0.216	0.219	0.222
9.30	0.226	0.229	0.232	0.235	0.239	0.242	0.245	0.249	0.252	0.256
9.31	0.259	0.263	0.266	0.27	0.273	0.277	0.281	0.284	0.288	0.292
9.32	0.295	0.299	0.303	0.307	0.31	0.314	0.318	0.322	0.326	0.33
9.33	0.334	0.338	0.342	0.346	0.35	0.354	0.358	0.362	0.366	0.371
9.34	0.375	0.379	0.383	0.388	0.392	0.396	0.401	0.405	0.41	0.414
9.35	0.419	0.423	0.428	0.432	0.437	0.441	0.446	0.451	0.455	0.46
9.36	0.465	0.47	0.474	0.479	0.484	0.489	0.494	0.499	0.504	0.509
9.37	0.514	0.519	0.524	0.529	0.534	0.539	0.544	0.549	0.555	0.56
9.38	0.565	0.57	0.576	0.581	0.586	0.592	0.597	0.603	0.608	0.614
9.39	0.619	0.625	0.63	0.636	0.642	0.647	0.653	0.659	0.664	0.67
9.40	0.676	0.682	0.688	0.693	0.699	0.705	0.711	0.717	0.723	0.729
9.41	0.735	0.741	0.747	0.754	0.76	0.766	0.772	0.778	0.785	0.791
9.42	0.797	0.804	0.81	0.817	0.823	0.829	0.836	0.842	0.849	0.856
9.43	0.862	0.869	0.875	0.882	0.889	0.896	0.902	0.909	0.916	0.923
9.44	0.93	0.937	0.943	0.95	0.957	0.964	0.971	0.978	0.986	0.993
9.45	1.00	1.01	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07
9.46	1.07	1.08	1.09	1.10	1.10	1.11	1.12	1.13	1.13	1.14
9.47	1.15	1.16	1.16	1.17	1.18	1.19	1.20	1.20	1.21	1.22
9.48	1.23	1.23	1.24	1.25	1.26	1.27	1.28	1.28	1.29	1.30

How to Check Rating Curve Table

Stage (H) =

elevation of bottom of staff
gauge (m)

found in bold at top of
rating curve table file

+

staff gauge reading (m)

average of start and end
staff gauge reading during
discharge measurement

Expanded Rating Table: 1.00

Stage (m)	Discharge (m ³ /s)										Difference in Discharge per 0.01 m
	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	
9.19									0.0195	0.0204	
9.20	0.0213	0.0222	0.0232	0.0242	0.0252	0.0262	0.0272	0.0282	0.0293	0.0304	0.0102
9.21	0.0315	0.0327	0.0338	0.035	0.0362	0.0375	0.0387	0.04	0.0413	0.0426	0.0124
9.22	0.0439	0.0453	0.0467	0.0481	0.0495	0.0509	0.0524	0.0539	0.0554	0.0569	0.0146
9.23	0.0585	0.0601	0.0617	0.0633	0.065	0.0666	0.0683	0.07	0.0718	0.0735	0.0168
9.24	0.0753	0.0771	0.079	0.0808	0.0827	0.0846	0.0865	0.0885	0.0905	0.0924	0.0191
9.25	0.0945	0.0965	0.0986	0.101	0.103	0.105	0.107	0.109	0.111	0.114	0.0215
9.26	0.116	0.118	0.12	0.123	0.125	0.128	0.13	0.132	0.135	0.137	0.0238
9.27	0.14	0.142	0.145	0.147	0.15	0.153	0.155	0.158	0.161	0.163	0.0262
9.28	0.166	0.169	0.171	0.174	0.177	0.18	0.183	0.186	0.189	0.192	0.0286
9.29	0.195	0.198	0.201	0.204	0.207	0.21	0.213	0.216	0.219	0.222	0.0311
9.30	0.226	0.229	0.232	0.235	0.239	0.242	0.245	0.249	0.252	0.256	0.0335
9.31	0.259	0.263	0.266	0.27	0.273	0.277	0.281	0.284	0.288	0.292	0.036
9.32	0.295	0.299	0.303	0.307	0.31	0.314	0.318	0.322	0.326	0.33	0.0386
9.33	0.334	0.338	0.342	0.346	0.35	0.354	0.358	0.362	0.366	0.371	0.0411
9.34	0.375	0.379	0.383	0.388	0.392	0.396	0.401	0.405	0.41	0.414	0.0437
9.35	0.419	0.423	0.428	0.432	0.437	0.441	0.446	0.451	0.455	0.46	0.0462
9.36	0.465	0.47	0.474	0.479	0.484	0.489	0.494	0.499	0.504	0.509	0.0488
9.37	0.514	0.519	0.524	0.529	0.534	0.539	0.544	0.549	0.555	0.56	0.0514
9.38	0.565	0.57	0.576	0.581	0.586	0.592	0.597	0.603	0.608	0.614	0.0541
9.39	0.619	0.625	0.63	0.636	0.642	0.647	0.653	0.659	0.664	0.67	0.0567
9.40	0.676	0.682	0.688	0.693	0.699	0.705	0.711	0.717	0.723	0.729	0.0594
9.41	0.735	0.741	0.747	0.754	0.76	0.766	0.772	0.778	0.785	0.791	0.0621
9.42	0.797	0.804	0.81	0.817	0.823	0.829	0.836	0.842	0.849	0.856	0.0648
9.43	0.862	0.869	0.875	0.882	0.889	0.896	0.902	0.909	0.916	0.923	0.0675
9.44	0.93	0.937	0.943	0.95	0.957	0.964	0.971	0.978	0.986	0.993	0.0702
9.45	1.00	1.01	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07	0.0729
9.46	1.07	1.08	1.09	1.10	1.10	1.11	1.12	1.13	1.13	1.14	0.0757
9.47	1.15	1.16	1.16	1.17	1.18	1.19	1.20	1.20	1.21	1.22	0.0785
9.48	1.23	1.23	1.24	1.25	1.26	1.27	1.28	1.28	1.29	1.30	0.0812

How to Check Rating Curve Table

Discharge (Q) =
expected or rated discharge based
on stage-discharge relationship

Measured discretely in field (e.g. Flowtracker,
bucket fill) in m^3/s and checked against rating
curve table value.

Expanded Rating Table: 1.00

Stage (m)	Discharge (m ³ /s)									Difference in Discharge per 0.01 m	
	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	
9.19									0.0195	0.0204	
9.20	0.0213	0.0222	0.0232	0.0242	0.0252	0.0262	0.0272	0.0282	0.0293	0.0304	0.0102
9.21	0.0315	0.0327	0.0338	0.035	0.0362	0.0375	0.0387	0.04	0.0413	0.0426	0.0124
9.22	0.0439	0.0453	0.0467	0.0481	0.0495	0.0509	0.0524	0.0539	0.0554	0.0569	0.0146
9.23	0.0585	0.0601	0.0617	0.0633	0.065	0.0666	0.0683	0.07	0.0718	0.0735	0.0168
9.24	0.0753	0.0771	0.079	0.0808	0.0827	0.0846	0.0865	0.0885	0.0905	0.0924	0.0191
9.25	0.0945	0.0965	0.0986	0.101	0.103	0.105	0.107	0.109	0.111	0.114	0.0215
9.26	0.116	0.118	0.12	0.123	0.125	0.128	0.13	0.132	0.135	0.137	0.0238
9.27	0.14	0.142	0.145	0.147	0.15	0.153	0.155	0.158	0.161	0.163	0.0262
9.28	0.166	0.169	0.171	0.174	0.177	0.18	0.183	0.186	0.189	0.192	0.0286
9.29	0.195	0.198	0.201	0.204	0.207	0.21	0.213	0.216	0.219	0.222	0.0311
9.30	0.226	0.229	0.232	0.235	0.239	0.242	0.245	0.249	0.252	0.256	0.0335
9.31	0.259	0.263	0.266	0.27	0.273	0.277	0.281	0.284	0.288	0.292	0.036
9.32	0.295	0.299	0.303	0.307	0.31	0.314	0.318	0.322	0.326	0.33	0.0386
9.33	0.334	0.338	0.342	0.346	0.35	0.354	0.358	0.362	0.366	0.371	0.0411
9.34	0.375	0.379	0.383	0.388	0.392	0.396	0.401	0.405	0.41	0.414	0.0437
9.35	0.419	0.423	0.428	0.432	0.437	0.441	0.446	0.451	0.455	0.46	0.0462
9.36	0.465	0.47	0.474	0.479	0.484	0.489	0.494	0.499	0.504	0.509	0.0488
9.37	0.514	0.519	0.524	0.529	0.534	0.539	0.544	0.549	0.555	0.56	0.0514
9.38	0.565	0.57	0.576	0.581	0.586	0.592	0.597	0.603	0.608	0.614	0.0541
9.39	0.619	0.625	0.63	0.636	0.642	0.647	0.653	0.659	0.664	0.67	0.0567
9.40	0.676	0.682	0.688	0.693	0.699	0.705	0.711	0.717	0.723	0.729	0.0594
9.41	0.735	0.741	0.747	0.754	0.76	0.766	0.772	0.778	0.785	0.791	0.0621
9.42	0.797	0.804	0.81	0.817	0.823	0.829	0.836	0.842	0.849	0.856	0.0648
9.43	0.862	0.869	0.875	0.882	0.889	0.896	0.902	0.909	0.916	0.923	0.0675
9.44	0.93	0.937	0.943	0.95	0.957	0.964	0.971	0.978	0.986	0.993	0.0702
9.45	1.00	1.01	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07	0.0729
9.46	1.07	1.08	1.09	1.10	1.10	1.11	1.12	1.13	1.13	1.14	0.0757
9.47	1.15	1.16	1.16	1.17	1.18	1.19	1.20	1.20	1.21	1.22	0.0785
9.48	1.23	1.23	1.24	1.25	1.26	1.27	1.28	1.28	1.29	1.30	0.0812

How to Check Rating Curve Table – Field Example

Site visit to Wilfred Creek (08HB0024) on 2025-02-18:

- Staff gauge reading (start) = 0.303m
- Staff gauge reading (end) = 0.303m
- Measured discharge by Flowtracker = 0.345 m³/s

Calculate stage and find rated discharge in rating curve table

- Stage = 9.042 m + 0.303 m = **9.345m**
 - Elevation bottom of staff gauge = 9.042 m
- Rated discharge = **0.396 m³/s**

Compare rated discharge to measured discharge

$$\text{Discharge deviation (\%)} = \frac{\text{Measured discharge} - \text{Rated discharge}}{\text{Rated discharge}} \times 100\%$$

$$\text{Discharge deviation (\%)} = \frac{0.345 \text{ m}^3/\text{s} - 0.396 \text{ m}^3/\text{s}}{0.396 \text{ m}^3/\text{s}} \times 100\% = \mathbf{-12.8\%}$$

Stage (m)	Discharge (m ³ /s)										Difference in Discharge per 0.01 m
	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	
9.19											
9.20	0.0213	0.0222	0.0232	0.0242	0.0252	0.0262	0.0272	0.0282	0.0293	0.0304	0.0102
9.21	0.0315	0.0327	0.0338	0.035	0.0362	0.0375	0.0387	0.04	0.0413	0.0426	0.0124
9.22	0.0439	0.0453	0.0467	0.0481	0.0495	0.0509	0.0524	0.0539	0.0554	0.0569	0.0146
9.23	0.0585	0.0601	0.0617	0.0633	0.065	0.0666	0.0683	0.07	0.0718	0.0735	0.0168
9.24	0.0753	0.0771	0.079	0.0808	0.0827	0.0846	0.0865	0.0885	0.0905	0.0924	0.0191
9.25	0.0945	0.0965	0.0986	0.101	0.103	0.105	0.107	0.109	0.111	0.114	0.0215
9.26	0.116	0.118	0.12	0.123	0.125	0.128	0.13	0.132	0.135	0.137	0.0238
9.27	0.14	0.142	0.145	0.147	0.15	0.153	0.155	0.158	0.161	0.163	0.0262
9.28	0.166	0.169	0.171	0.174	0.177	0.18	0.183	0.186	0.189	0.192	0.0286
9.29	0.195	0.198	0.201	0.204	0.207	0.21	0.213	0.216	0.219	0.222	0.0311
9.30	0.226	0.229	0.232	0.235	0.239	0.242	0.245	0.249	0.252	0.256	0.0335
9.31	0.259	0.263	0.266	0.27	0.273	0.277	0.281	0.284	0.288	0.292	0.036
9.32	0.295	0.299	0.303	0.307	0.31	0.314	0.318	0.322	0.326	0.33	0.0386
9.33	0.334	0.338	0.342	0.346	0.35	0.354	0.358	0.362	0.366	0.371	0.0411
9.34	0.375	0.379	0.383	0.388	0.392	0.396	0.401	0.405	0.41	0.414	0.0437
9.35	0.419	0.423	0.428	0.432	0.437	0.441	0.446	0.451	0.455	0.46	0.0462
9.36	0.465	0.47	0.474	0.479	0.484	0.489	0.494	0.499	0.504	0.509	0.0488
9.37	0.514	0.519	0.524	0.529	0.534	0.539	0.544	0.549	0.555	0.56	0.0514
9.38	0.565	0.57	0.576	0.581	0.586	0.592	0.597	0.603	0.608	0.614	0.0541
9.39	0.619	0.625	0.63	0.636	0.642	0.647	0.653	0.659	0.664	0.67	0.0567
9.40	0.676	0.682	0.688	0.693	0.699	0.705	0.711	0.717	0.723	0.729	0.0594
9.41	0.735	0.741	0.747	0.754	0.76	0.766	0.772	0.778	0.785	0.791	0.0621
9.42	0.797	0.804	0.81	0.817	0.823	0.829	0.836	0.842	0.849	0.856	0.0648
9.43	0.862	0.869	0.875	0.882	0.889	0.896	0.902	0.909	0.916	0.923	0.0675
9.44	0.93	0.937	0.943	0.95	0.957	0.964	0.971	0.978	0.986	0.993	0.0702
9.45	1.00	1.01	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07	0.0729
9.46	1.07	1.08	1.09	1.10	1.10	1.11	1.12	1.13	1.13	1.14	0.0757
9.47	1.15	1.16	1.16	1.17	1.18	1.19	1.20	1.20	1.21	1.22	0.0785
9.48	1.23	1.23	1.24	1.25	1.26	1.27	1.28	1.28	1.29	1.30	0.0812
9.49	1.31	1.32	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.38	0.084
9.50	1.39	1.40	1.41	1.42	1.43	1.44	1.44	1.45	1.46	1.47	0.0868

How to Check Rating Curve Table – Field Example

Site visit to Wilfred Creek (08HB0024) on 2025-02-18:

- Staff gauge reading (start) = 0.303m
- Staff gauge reading (end) = 0.303m
- Measured discharge by Flowtracker = 0.345 m³/s

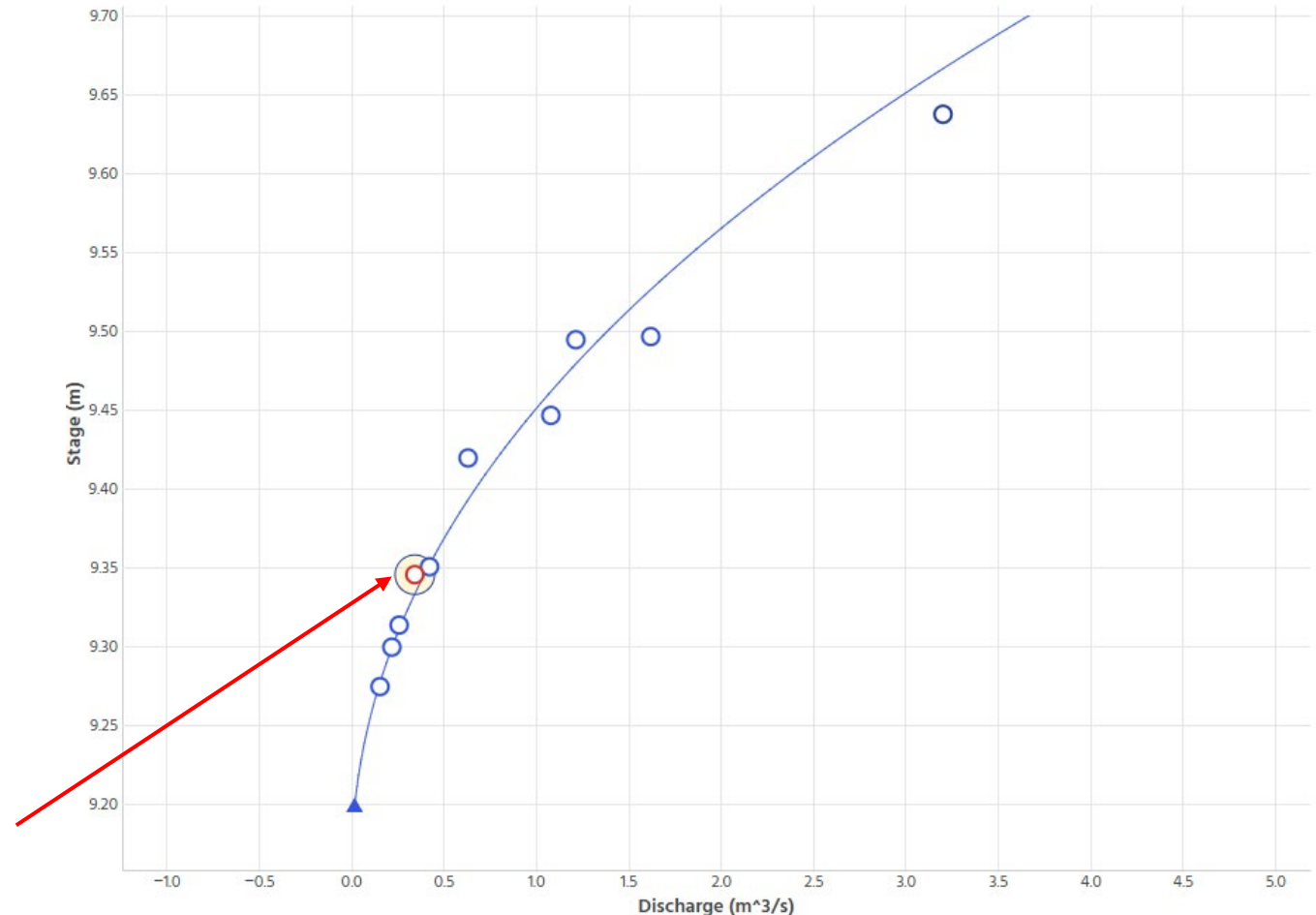
Calculate stage and find rated discharge in rating curve table

- Stage = 9.042 m + 0.303 m = **9.345m**
 - Elevation bottom of staff gauge = 9.042 m
- Rated discharge = **0.396 m³/s**

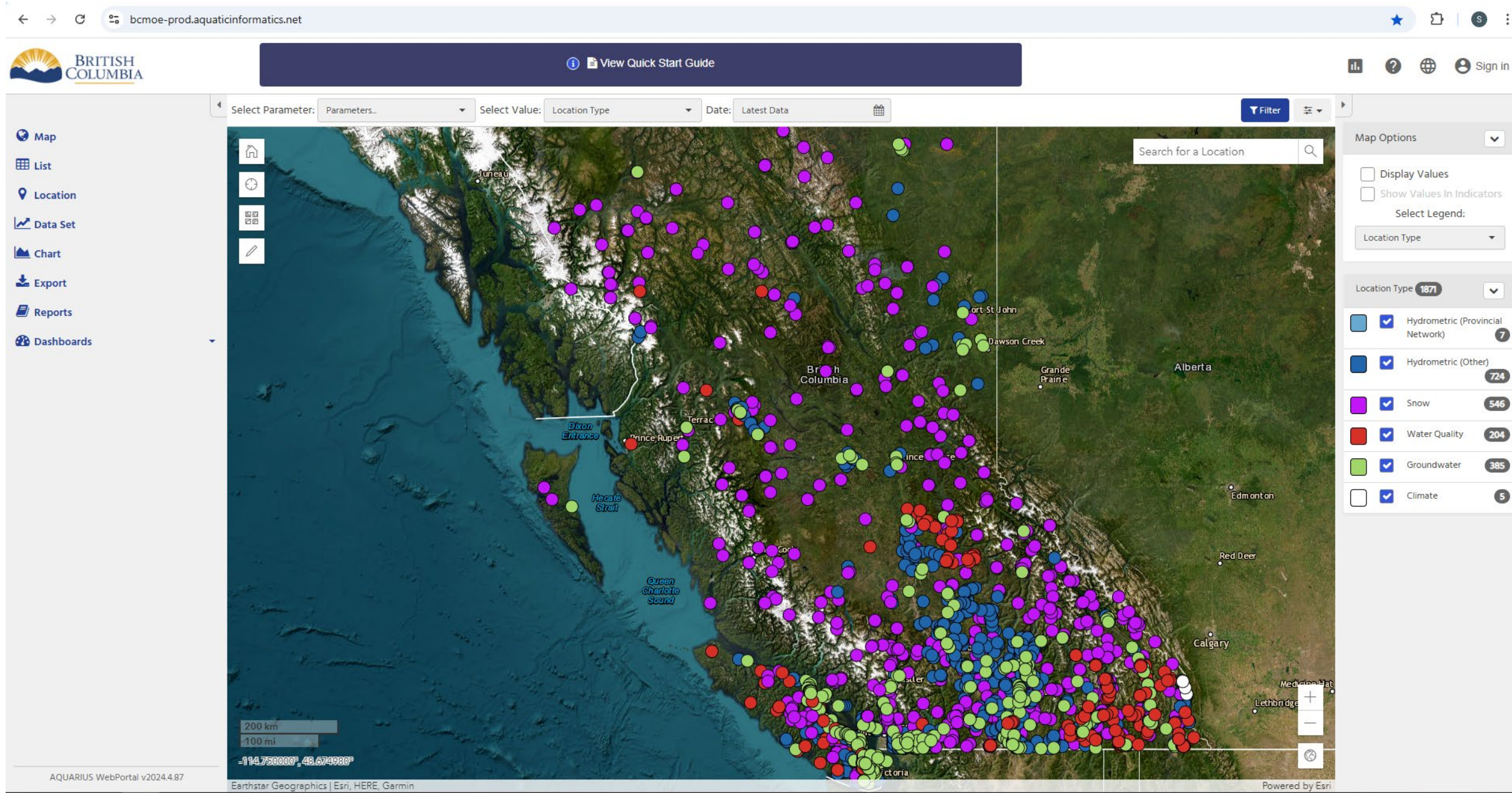
Compare rated discharge to measured discharge

$$\text{Discharge deviation (\%)} = \frac{\text{Measured discharge} - \text{Rated discharge}}{\text{Rated discharge}} \times 100\%$$

$$\text{Discharge deviation (\%)} = \frac{0.345 \text{ m}^3/\text{s} - 0.396 \text{ m}^3/\text{s}}{0.396 \text{ m}^3/\text{s}} \times 100\% = \textbf{-12.8\%}$$




Viewing Data on the B.C. Real-time Water Data Tool



How to Search for a Station

← → ↻ bcmo-prod.aquaticinformatics.net

 [View Quick Start Guide](#)

Select Parameter: Parameters... Select Value: Location Type Date: Latest Data [Filter](#)

Map
List
Location
Data Set
Chart
Export
Reports
Dashboards

Map Options

- ☐ Display Values
- ☐ Show Values in Indicators
- Select Legend: Location Type
- Location Type: 1871
- ☒ Hydrometric (Provincial Network) 7
- ☒ Hydrometric (Other) 724
- ☒ Snow 546
- ☒ Water Quality 204
- ☒ Groundwater 385
- ☐ Climate 5

Search in location box

08HB0033 - Departure Creek at Woodstream Park

200 km
100 mi
-114.244629°, 57.866945°

AQUARIUS WebPortal v2024.4.87
Earthstar Geographics | Esri, HERE, Garmin
Powered by Esri

How to Search for a Station

The screenshot displays the AQUARIUS WebPortal interface. At the top, the URL is `bcmo-prod.aquaticinformatics.net`. The page features a sidebar on the left with navigation options: Map, List, Location, Data Set, Chart, Export, Reports, and Dashboards. The main area shows a map of British Columbia with numerous colored dots representing station locations. A red arrow points from a text box to the 'Filter' button in the top right corner and the search bar. The 'Filter' button is circled in red. The search bar contains the text 'Search for a Location'. The right sidebar shows 'Map Options' and 'Location Type' filters. The 'Location Type' filter is set to '1871' and includes a list of categories: Hydrometric (Provincial Network) (7), Hydrometric (Other) (724), Snow (546), Water Quality (204), Groundwater (385), and Climate (5).

BRITISH COLUMBIA

View Quick Start Guide

Select Parameter: Parameters... Select Value: Location Type Date: Latest Data

Filter

Search for a Location

Map Options

☐ Display Values

☐ Show Values In Indicators

Select Legend:

Location Type

Location Type 1871

☒ Hydrometric (Provincial Network) 7

☒ Hydrometric (Other) 724

☒ Snow 546

☒ Water Quality 204

☒ Groundwater 385

☒ Climate 5

200 km
100 mi

-149.611816°, 52.947298°

AQUARIUS WebPortal v2024.4.87

Earthstar Geographics | Esri, HERE, Garmin

Powered by Esri

Filter for 'Community Flow Monitoring Network' Tag

How to Search for a Station

The screenshot displays the AQUARIUS WebPortal interface. The main map shows British Columbia with numerous station locations marked by colored dots. A sidebar on the left contains navigation links: Map, List, Location, Data Set, Chart, Export, Reports, and Dashboards. The top navigation bar includes the British Columbia logo, a 'View Quick Start Guide' button, and a 'Sign in' link. The main content area features a search bar with 'Select Parameter: Parameters...', 'Select Value: Location Type', and 'Date: Latest Data'. A 'Filter' button is visible in the top right. A 'Filters' panel is open on the right, showing 'Saved Filters' with 'Nothing selected' and a 'New Filter' button circled in red. Below the map, a scale bar indicates 200 km and 100 mi, and coordinates are shown as -149.611816°, 52.947298°. The footer includes 'AQUARIUS WebPortal v2024.4.87', 'Earthstar Geographics | Esri, HERE, Garmin', and 'Powered by Esri'.

BRITISH COLUMBIA

View Quick Start Guide

Select Parameter: Parameters... Select Value: Location Type Date: Latest Data

Map List Location Data Set Chart Export Reports Dashboards

Filters

Saved Filters

Nothing selected

New Filter

Location Type 1871

☒ Hydrometric (Provincial Network) 7

☒ Hydrometric (Other) 724

☒ Snow 546

☒ Water Quality 204

☒ Groundwater 385

☒ Climate 5

200 km 100 mi

-149.611816°, 52.947298°

AQUARIUS WebPortal v2024.4.87 Earthstar Geographics | Esri, HERE, Garmin Powered by Esri

Filter for 'Community Flow Monitoring Network' Tag

How to Search for a Station

The screenshot displays the British Columbia Aquarius WebPortal interface. A 'Filter Data Sets' dialog box is open, allowing users to filter data based on various attributes. The 'Name' field is set to 'Community Flow Monitoring Network'. The 'Filters' section lists several categories: 'Location Attributes' (highlighted with a red circle), 'Data Set Attributes', 'Values', and 'Map Selection'. A 'Filter' button is located at the bottom right of the dialog box. The background map shows a satellite view of British Columbia with numerous colored dots representing monitoring stations. The left sidebar contains navigation links for Map, List, Location, Data Set, Chart, Export, Reports, and Dashboards. The right sidebar shows map options and a legend for location types.

Filter Data Sets

Use the attributes of the Location and Data Set to filter which data will be included in your view

Name: Community Flow Monitoring Network

Filters:

- Location Attributes
- Data Set Attributes
- Values
- Map Selection

Filter

Map Options

- ☐ Display Values
- ☐ Show Values in Indicators
- Select Legend:
- Location Type

Location Type: 187

- ☒ Hydrometric (Provincial Network) 7
- ☒ Hydrometric (Other) 724
- ☒ Snow 546
- ☒ Water Quality 204
- ☒ Groundwater 385
- ☒ Climate 5

AQUARIUS WebPortal v2024.4.87

Filter for 'Community Flow Monitoring Network' Tag

How to Search for a Station

The screenshot shows the British Columbia Aquatic Informatics web portal. The 'Filter Data Sets' dialog box is open, displaying the 'Community Flow Monitoring Network' data set. The 'Tags' attribute is highlighted with a red circle. The dialog box also shows a list of location attributes: Name, Identifier, Type, Latitude, Longitude, Elevation, Time Zone, and Tags. The 'Location Type' dropdown is set to 'Hydrometric (Provincial Network)'. The background map shows a satellite view of the Pacific Northwest coast of Canada, with numerous colored dots representing data points. The 'Map Options' panel on the right shows various map settings, including 'Display Values' and 'Show Values in Indicators'.

Filter Data Sets

Use the attributes of the Location and Data Set to filter which data will be included in your view

Name: Community Flow Monitoring Network

Filters > Location Attributes

Attribute	Value
Name	Community Flow Monitoring Network
Identifier	
Type	
Latitude	
Longitude	
Elevation	
Time Zone	
Tags	

Location Type: Select a Location Type to see Location Attributes specific to that type. By selecting a Type, the Locations will be filtered to that Type.

Clear All Location Attributes

Filter

Filter for 'Community Flow Monitoring Network' Tag

How to Search for a Station

bcmo-prod.aquaticinformatics.net

BRITISH COLUMBIA

Select Parameter: Parameters...

Map

List

Location

Data Set

Chart

Export

Reports

Dashboards

Filter Data Sets

Use the attributes of the Location and Data Set to filter which data will be included in your view

Name: Community Flow Monitoring Network

Filters > Location Attributes > Tags

Locations associated with: All listed tags

Search for a Tag...

Tag: Community

None

Community Flow Monitoring Network

Displaying 1 of 1

+ Add Tag

+ Add Filter

Remove Filter

Filter

Map Options

Display Values

Show Values in Indicators

Select Legend:

Location Type

Location Type: 187

Hydrometric (Provincial Network) 7

Hydrometric (Other) 724

Snow 546

Water Quality 204

Groundwater 385

Climate 5

200 km

100 mi


-110.992676°, 57.170782°

AQUARIUS WebPortal v2024.4.87

Filter for 'Community Flow Monitoring Network' Tag

How to Search for a Station

← → ↺ bcmoe-prod.aquaticinformatics.net

 [View Quick Start Guide](#)

Map List Location Data Set Chart Export Reports Dashboards

Select Parameter: Parameters... Select Value: Location Type Date: Latest Data

Community Flow Monitoring Network Edit Filter

Search for a Location

Map Options

- ☐ Display Values
- ☐ Show Values In Indicators
- Select Legend: Location Type

Location Type 9

- ☒ Hydrometric (Provincial Network) 0
- ☒ Hydrometric (Other) 9
- ☒ Snow 0
- ☒ Water Quality 0
- ☒ Groundwater 0
- ☒ Climate 0

40 km 20 mi

-125.917608°, 49.067905°

AQUARIUS WebPortal v2024.4.87 Earthstar Geographics | Esri, HERE, Garmin Powered by Esri

Filter for 'Community Flow Monitoring Network' Tag

The screenshot displays the AQUARIUS WebPortal v2024.4.87 interface. The main map shows a satellite view of British Columbia, Canada, with a location popup for 'Departure Creek at Woodstream Park 08HB0033'. The popup contains the following information:

Departure Creek at Woodstream Park 08HB0033	
Location Type	Hydrometric
Latitude	49.20635
Longitude	-123.97383
Elevation	5 m
Data Sets	5
Location Status	Active
Operated By	Non-Government Organization

Below the table, there is a 'Location' button circled in red, and a 'Zoom to' button. The interface also includes a sidebar with navigation options (Map, List, Location, Data Set, Chart, Export, Reports, Dashboards), a top navigation bar with a 'View Quick Start Guide' link, and a right-hand panel for map options and filters.

How to View Data – Main Page

[View Quick Start Guide](#)

Sign in

Map
List
Location
Data Set
Chart
Export
Reports
Dashboards

Search for a Location: 08HB0033 - Departure Creek at Woodstream Park

Summary
Reports

Go To Map

Location: 08HB0033

Location Name
Location Type
Latitude / Longitude
Elevation
Time Zone
Data Source
Status
Tags

Departure Creek at Woodstream Park
Hydrometric
49.20635, -123.97383 (WGS 84)
5 m
UTC-08:00
Non-Telemetry
Active
Active
Community Flow Monitoring Network
HYDROMETRIC
Non-Telemetry


Export last 7 days (CSV)
Export all Data (CSV)

Data Sets
Time Zone: Location Time Zone (UTC-08:00)

Data Set Id ↑	Parameter	Start of Record	End of Record	Last Updated	Go To
Discharge.Field Visits@08HB0033	Discharge	2023-08-21 13:27:15	2025-03-11 01:43:38	2025-04-08 13:51:12	Go To
Discharge.Working@08HB0033	Discharge	2023-08-10 14:25:08	2025-01-31 14:15:00	2025-04-10 12:33:41	Go To
Stage.Field Visits@08HB0033	Height of Gauge (River Stage)	2023-08-10 14:29:00	2025-03-11 10:30:00	2025-04-08 13:51:12	Go To
Stage.Working@08HB0033	Height of Gauge (River Stage)	2023-08-10 14:25:08	2025-01-31 14:15:00	2025-04-10 12:33:53	Go To
TW.Field Visits@08HB0033	Water Temp	2023-08-21 13:27:15	2025-03-11 01:43:38	2025-04-08 13:51:12	Go To

Items Displayed: 5

How to View Data – Main Page



Map

List

Location

Data Set

Chart

Export

Reports

Dashboards

Search for a Location: 08HB0033 - Departure Creek at Woodstream Park

Summary

Reports

Location: 08HB0033

Location Name

Location Type

Latitude / Longitude

Elevation

Time Zone

Data Source

Status

Tags

Departure Creek at Woodstream Park

Hydrometric

49.20635, -123.97383 (WGS 84)

5 m

UTC-08:00

Non-Telemetry

Active

ActiveCommunity Flow Monitoring NetworkHYDROMETRICNon-Telemetry

Export last 7 days (CSV)

Export all Data (CSV)

Data Sets

Time Zone: Location Time Zone (UTC-08:00)

Data Set Id ↑	Parameter	Start of Record	End of Record	Last Updated	Go To
Discharge.Field Visits@08HB0033	Discharge	2023-08-21 13:27:15	2025-03-11 01:43:38	2025-04-08 13:51:12	Go To
Discharge.Working@08HB0033	Discharge	2023-08-10 14:25:08	2025-01-31 14:15:00	2025-04-10 12:33:41	Go To
Stage.Field Visits@08HB0033	Height of Gauge (River Stage)	2023-08-10 14:29:00	2025-03-11 10:30:00	2025-04-08 13:51:12	Go To
Stage.Working@08HB0033	Height of Gauge (River Stage)	2023-08-10 14:25:08	2025-01-31 14:15:00	2025-04-10 12:33:53	Go To
TW.Field Visits@08HB0033	Water Temp	2023-08-21 13:27:15	2025-03-11 01:43:38	2025-04-08 13:51:12	Go To

Items Displayed: 5

08HB0033

Location Name

Location Type

Coordinates

Departure Creek at Woodstream Park

Hydrometric

49.20635, -123.97383 (WGS 84)

View Quick Start Guide


Sign in

Quick Data Export

AQUARIUS WebPortal v2024.4.87

How to View Data – Main Page

bcmo-prod.aquaticinformatics.net/Data/Location/Summary/Location/08HB0033/Interval/Latest

 [View Quick Start Guide](#)

Search for a Location: 08HB0033 - Departure Creek at Woodstream Park

[Map](#) [List](#) [Location](#) [Data Set](#) [Chart](#) [Export](#) [Reports](#) [Dashboards](#)

[Go To Map](#)

08HB0033

Location Name: Departure Creek at Woodstream Park
Location Type: Hydrometric
Coordinates: 49.20635, -123.97383 (WGS 84)

Location: 08HB0033

Location Name: Departure Creek at Woodstream Park
Location Type: Hydrometric
Latitude / Longitude: 49.20635, -123.97383 (WGS 84)
Elevation: 5 m
Time Zone: UTC-08:00
Data Source: Non-Telemetry
Status: Active
Tags: Active, Community Flow Monitoring Network, HYDROMETRIC, Non-Telemetry

[Export last 7 days \(CSV\)](#) [Export all Data \(CSV\)](#)

Data Sets

Time Zone: Location Time Zone (UTC-08:00)


Data Set Id ↑	Parameter	Start of Record	End of Record	Last Updated	Go To
Discharge.Field Visits@08HB0033	Discharge	2023-08-21 13:27:15	2025-03-11 01:43:38	2025-04-08 13:51:12	Go To
Discharge.Working@08HB0033	Discharge	2023-08-10 14:25:08	2025-01-31 14:15:00	2025-04-10 12:33:41	Go To
Stage.Field Visits@08HB0033	Height of Gauge (River Stage)	2023-08-10 14:29:00	2025-03-11 10:30:00	2025-04-08 13:51:12	Go To
Stage.Working@08HB0033	Height of Gauge (River Stage)	2023-08-10 14:25:08	2025-01-31 14:15:00	2025-04-10 12:33:53	Go To
TW.Field Visits@08HB0033	Water Temp	2023-08-21 13:27:15	2025-03-11 01:43:38	2025-04-08 13:51:12	Go To

Items Displayed: 5

AQUARIUS WebPortal v2024.4.87

View discharge dataset

How to View Data – Discharge Summary



Map

List

Location

Data Set

Chart

Export

Reports

Dashboards

Search for a Location: 08HB0033 - Departure Creek at Woodstream Park

Select a Data Set: Discharge.Working@08HB0033

Summary

Chart

Grid

Statistics

Export

Reports

Go To Map

Data Set: Discharge.Working@08HB0033

Location Identifier	08HB0033
Location Name	Departure Creek at Woodstream Park
Parameter	Discharge
Unit	Cubic Metres Per Second
Start of Record	2023-08-10 14:25 (UTC-08:00)
End of Record	2025-01-31 14:15 (UTC-08:00)
Last Updated	2025-04-10 12:33 (UTC-08:00)
Description	

Export last 7 days (CSV)

Export all Data (CSV)

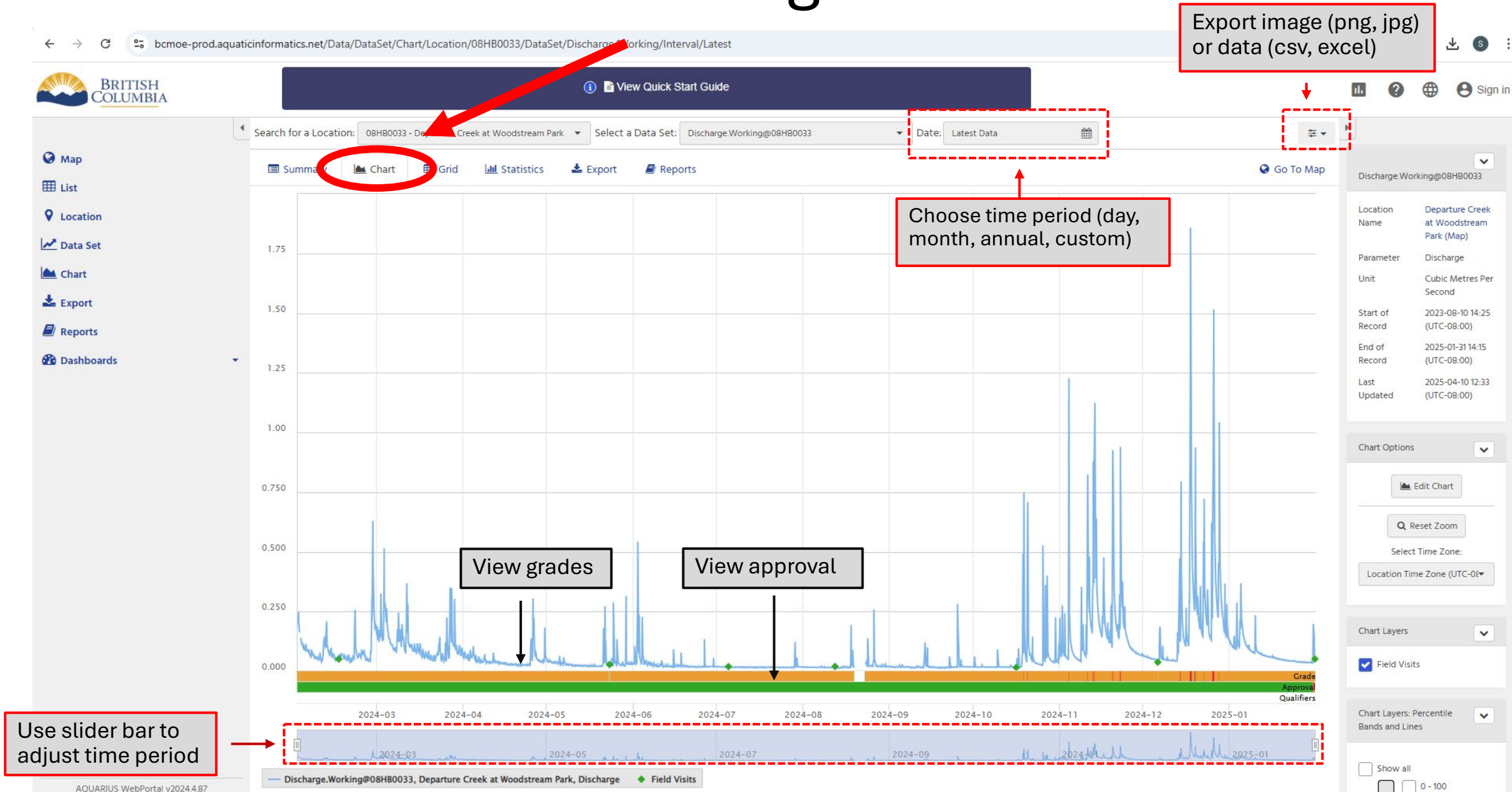
Discharge.Working@08HB0033

Location Name	Departure Creek at Woodstream Park (Map)
Parameter	Discharge
Unit	Cubic Metres Per Second
Start of Record	2023-08-10 14:25 (UTC-08:00)
End of Record	2025-01-31 14:15 (UTC-08:00)
Last Updated	2025-04-10 12:33 (UTC-08:00)

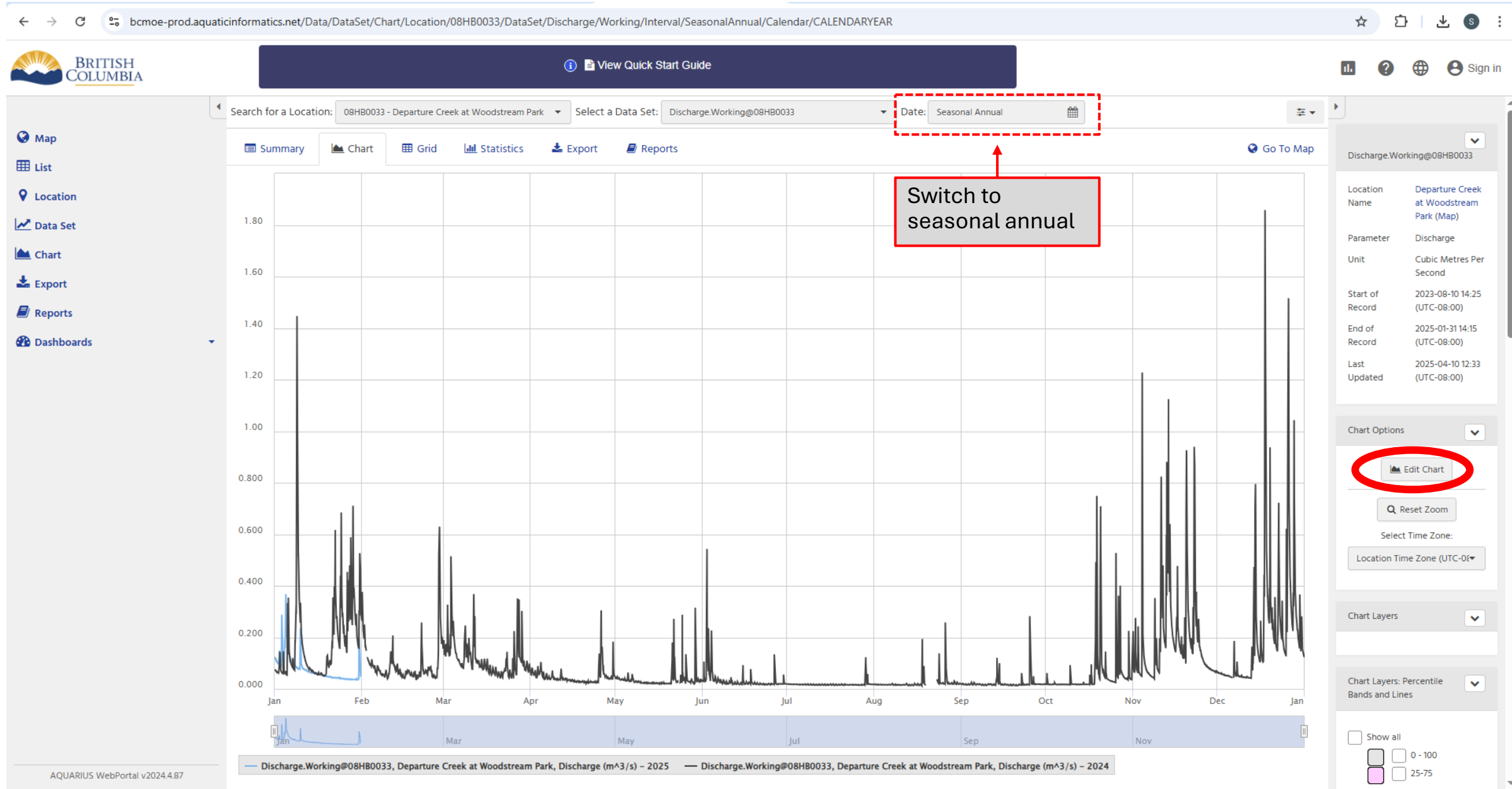
Quick Data Export

AQUARIUS WebPortal v2024.4.87

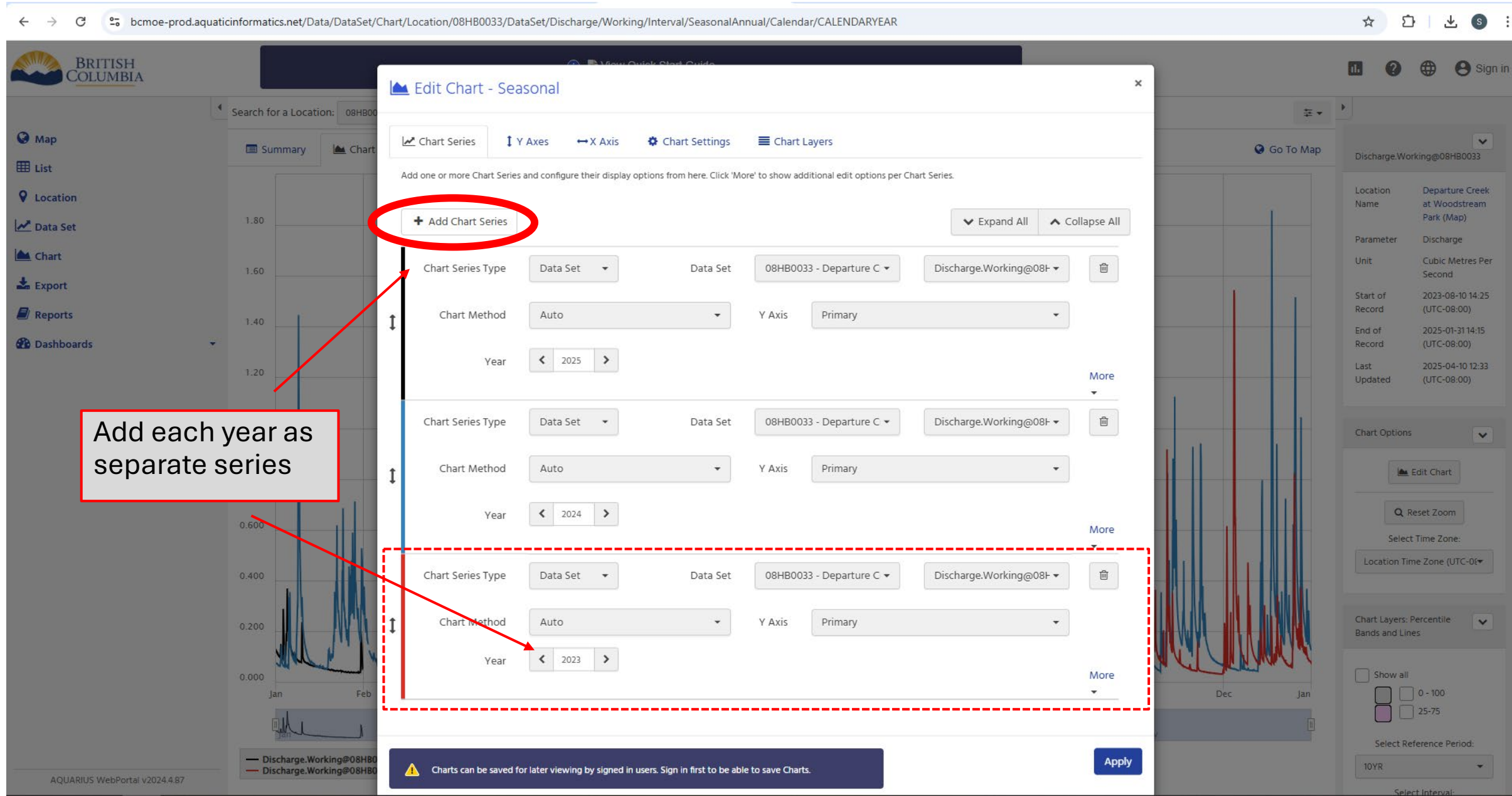
How to View Data – Discharge Chart



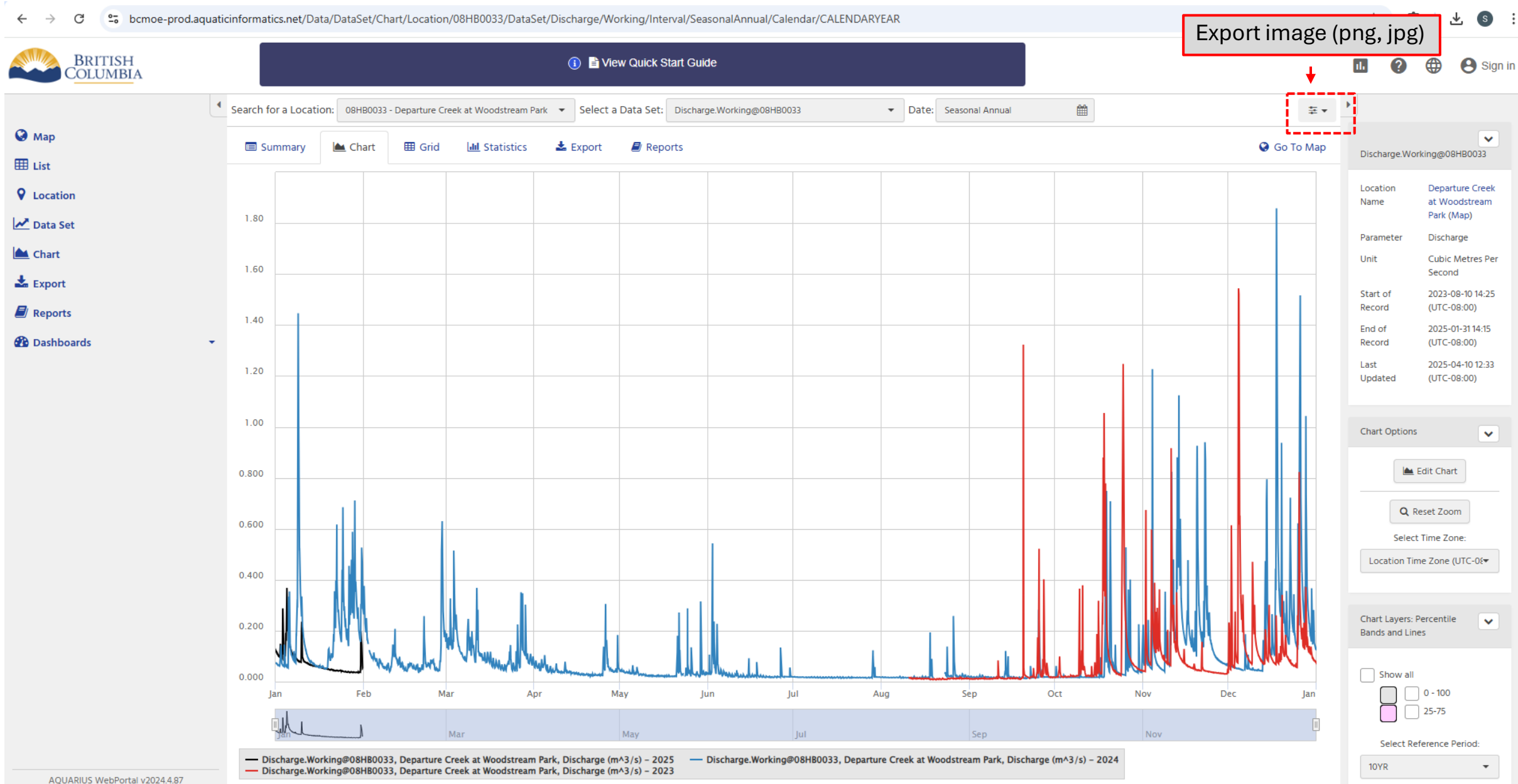
How to View Data – Discharge by Year



How to View Data –Discharge by Year



How to View Data –Discharge by Year



How to View Data – Discharge Grid

Choose time period (day, month, annual, custom)

Export data (csv, excel)

bcmo-prod.aquaticinformatics.net/Data/DataSet/Grid/Location/08HB0033/DataSet/Discharge/Working/Interval/Latest

View Quick Start Guide

Search for a Location: 08HB0033 - Departure Creek at Woodstream Park Select a Data Set: Discharge.Working@08HB0033 Date: Latest Data

Map List Location Data Set Chart Export Reports Dashboards

Summary Chart **Grid** Statistics Export Reports

Timestamp ↓	Discharge (cubic metres per second)	Grade Code	Approval Level	Interpolation Type
2025-01-31 14:15:00	0.0523	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 14:00:00	0.0522	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 13:45:00	0.0527	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 13:30:00	0.0534	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 13:15:00	0.0536	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 13:00:00	0.0539	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 12:45:00	0.0543	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 12:30:00	0.0545	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 12:15:00	0.055	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 12:00:00	0.0554	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 11:45:00	0.0557	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 11:30:00	0.0568	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 11:15:00	0.0569	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 11:00:00	0.0563	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 10:45:00	0.0563	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 10:30:00	0.0567	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 10:15:00	0.0577	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 10:00:00	0.0584	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 09:45:00	0.0595	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 09:30:00	0.062	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 09:15:00	0.0638	131 - RISC C	800 - Working	1 - Inst. Values
2025-01-31 09:00:00	0.0681	131 - RISC C	800 - Working	1 - Inst. Values

Go To Map

Discharge.Working@08HB0033

Location Name Departure Creek at Woodstream Park (Map)

Parameter Discharge

Unit Cubic Metres Per Second

Start of Record 2023-08-10 14:25 (UTC-08:00)


End of Record 2025-01-31 14:15 (UTC-08:00)

Last Updated 2025-04-10 12:33 (UTC-08:00)

AQUARIUS WebPortal v2024.4.87

How to Export Data – Daily Average Discharge

bcmo-prod.aquaticinformatics.net/Data/DataSet/Export/Location/08HB0033/DataSet/Discharge/Working/Interval/Latest

 [View Quick Start Guide](#)

Search for a Location: 08HB0033 - Departure Creek at Woodstream Park Select a Data Discharge.Working@08HB0033

Map List Location Data Set Chart Dashboards

Summary Chart Grid Statistics **Export** Reports Go To Map

Export

Select Data and Period of Record, then press download. As your selection is made the 'Export URL' will automatically update. This URL can be copied and used to download the data directly for easier automatic exporting.

Data Type: Data Set

Date Range: Entire Period of Record

Time Zone: Location Time Zone (UTC-08:00)

Calendar: Calendar Year

Interval/Points: Daily Points every 1 day(s)

Conversion Option: Average in Cubic Metres Per Second

Export Format: CSV

Compressed: ☒ Export File will be compressed into a zip archive

Rounding: ☒ Full Precision ☐ Round Data to Default Specification

Include Grade Codes? ☒ Yes ☐ No Include Interpolation Types? ☐ Yes ☒ No

[Download](#)

Export URL: <https://bcmoe-prod.aquaticinformatics.net/Export/DataSet?DataSet=Discharge.Working%4008HB0033&Calendar=CALENDAR> [Copy to Clipboard](#)

This URL can be copied and used to download the data directly for easier automatic exporting.

Discharge.Working@08HB0033

Location Name	Departure Creek at Woodstream Park (Map)
Parameter	Discharge
Unit	Cubic Metres Per Second
Start of Record	2023-08-10 14:25 (UTC-08:00)
End of Record	2025-01-31 14:15 (UTC-08:00)
Last Updated	2025-04-10 12:33 (UTC-08:00)

AQUARIUS WebPortal v2024.4.87

Specify date range (monthly, annual, custom)

Specify computation for daily, monthly, annual

Specify computation for average, min, or max value