

# **DRINKING WATER & WATERSHED PROTECTION** May 22, 2024 | Technical Advisory Committee Meeting

# AGENDA

**ADOPTION OF MINUTES** Add a short description

**STAFF PRESENTATIONS** Add a short description

**NEW BUSINESS** 

**ADJOURNMENT** 

## **APPROVAL OF THE AGENDA**

**ROUNDTABLE UPDATES** 

**INVITED PRESENTATION** 

# **ROUNDTABLE UPDATES**

Preparing and strategizing for the upcoming summer / drought season

**ALL COMMITTEE MEMBERS** 

## PROVINCIAL DROUGHT PORTAL UPDATES & COMMUNICATIONS

Jessica Doyle, Water Protection BC Ministry Water, Land & Resource Stewardship

# INVITED PRESENTATION

**REGIONAL WATERING RESTRICTION FRAMEWORK UPDATE** 

**TEAM WATERSMART EVENTS STATE OF OUR AQUIFERS REPORT UPDATE PRE-SUMMER GROUNDWATER LEVEL** 

**ANALYSIS** 

**NETWORK** 

**RAIN GARDEN TOUR** Outside after meeting adjournment

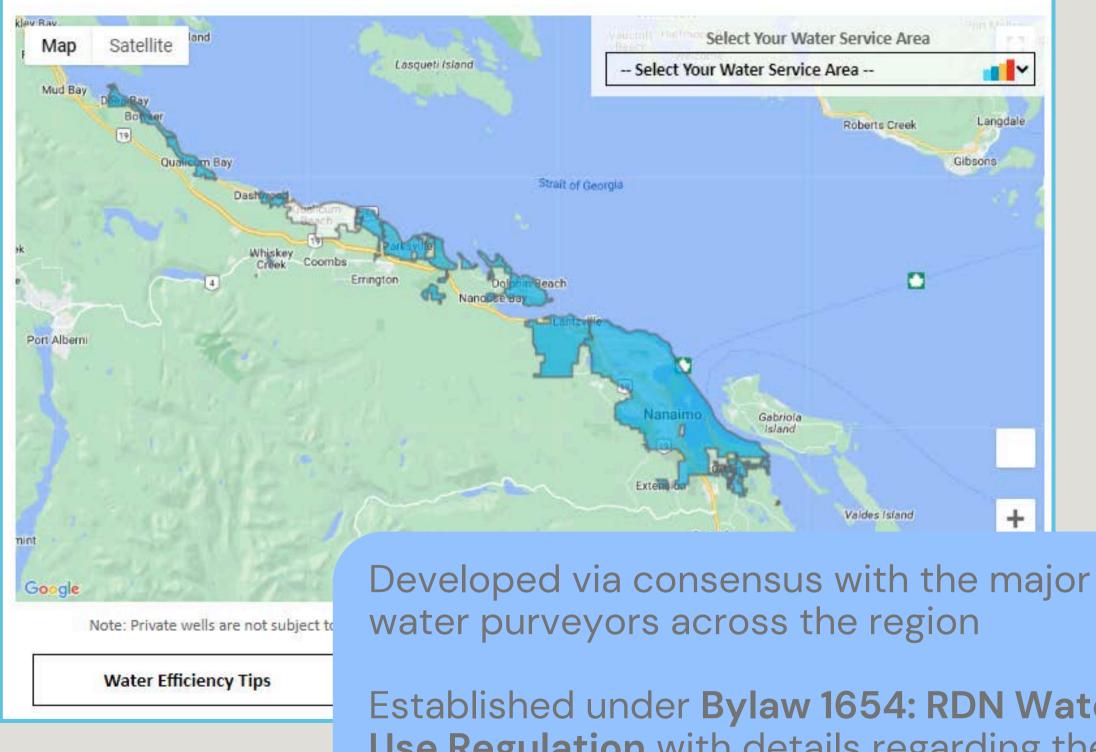
# **DWWP PROJECT UPDATES**

**COMMUNITY WATERSHED MONITORING** 

## **FRAMEWORK OBJECTIVES**

- Create consistently defined watering restriction stages, to minimize confusion and include all major water purveyors in the region
- Align media communication with comprehensive information on each major water system and their watering restriction stage
- Create and maintain a one window online hub for watering restrictions in the region (RDN Interactive map)

#### What watering restrictions are in effect where you live?



Established under **Bylaw 1654: RDN Water Use Regulation** with details regarding the framework contained within "Schedule A"

## **HOW IT WORKS:**

- Stage 1 in effect between April 1 Sept 30
- Most systems move to Stage 2 on May 1st
- Water purveyors meet regularly over the summer months to update on water system availability and communications strategies
- Each water purveyor can move through the stages at their own discretion based on their own supply and conditions
- RDN hosts an interactive map that is updated throughout the summer
  - Additional Team WaterSmart community outreach during dry season



Frequency

Watering times

Hand-watering drip irrigation

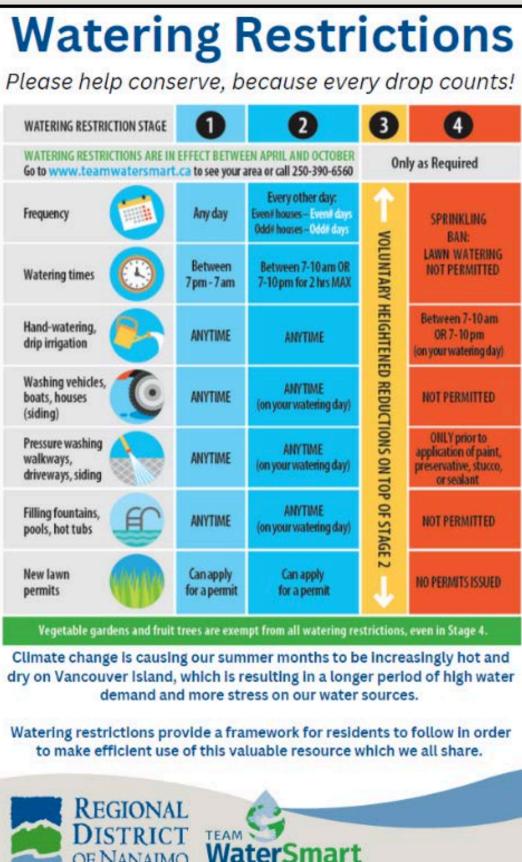
Washing vehicles boats, houses

Pressure washing walkways, driveways, siding

Filling fountains, pools, hot tubs

New lawn permits





YEAR	Stage 1	Stage 2	Stage 3	Stage 4	downgraded	lifted
2016	April 1	May 1	N/A	N/A	Oct 1- Stage 1	Nov 1
2017	April 1	May 1	July 1	N/A	Sept 14 – Stage 2	Nov 1
2018	April 1	May 1 * had to issue urge to comply 1 week in	Aug 10	N/A	Sept 12 – Stage 2 Oct 1 – Stage 1	Nov 1
2019	April 1	May 1	June 14 "province Level 3	N/A	Sept. 13- Stage 2 Oct. 1 – Stage 1	Nov 1
2020	April 1	May 1	N/A	N/A	Oct 1 – Stage 1	Nov 1
2021	April 1	May 1	June 29	Aug 20 ·prov Level 5	Sept. 23 - Stage 2 Oct. 1 – Stage 1	Nov 1
2022	April 1	May 1	N/A	Oct. 4 *prov Level 4	N/A	Nov 1
2023	April 1	May 1	June 15	July 5 •prov level 4 Jun 29; prov level 5 July 13	Oct 5 – Stage 3 Oct. 19 – Stage 1	Nov 1

### **PROCESS FOR UPDATING THE FRAMEWORK:**

- The review and proposed updates to the framework responds to the acknowledgement of recent record-breaking summer droughts and the adaptive management approach required to respond to the impacts of those seasonal conditions.
- Hosted three meetings of regional water purveyors between December and March to determine the effectiveness, challenges, and possible improvements that could be implemented to update and adapt the original framework.
- Acknowledgement of operational differences between the water systems across the RDN

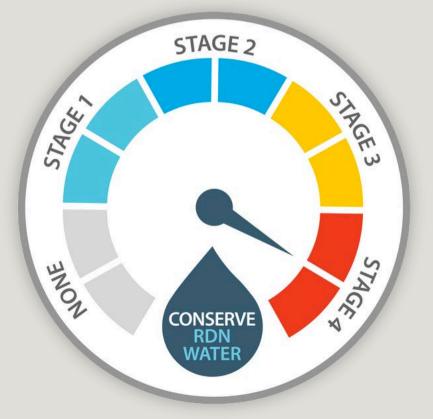
Major water service areas in our region include:

- Deep Bay Improvement District
- Bowser Waterworks
- Qualicum Bay Horne Lake Waterworks
- Town of Qualicum Beach
- City of Parksville
- RDN Water Service Areas (9 in total)
- EPCOR French Creek
- District of Lantzville
- City of Nanaimo
- North Cedar Improvement District

WATERING RESTRICTION	TAGE	2	8	4		Prop	posed Water Cons	ervation Framework		
WATERING RESTRICTIONS	ARE IN EFFECT BETW	EEN APRIL AND OCTOBER	-	ly as Required	Water Conservation Level	1	2	3	4	
Frequency	Any day	Every other day: Even# houses – Even# days	1	SPRINKLING	Effective Dates	Begins April 1st	May 1st to October 31st	As re	quired	
Watering times	Between 7pm - 7am	Odd# houses Odd# days Between 7-10 am OR 7-10 pm for 2 hrs MAX	VOLUNTARY HEIGHTENED REDUCTIONS ON	BAN: LAWN WATERING NOT PERMITTED	Frequency	Any day	Every other day: Even# houses = Even# days Odd# houses = Odd# days	One day per week Even# houses = Thursdays Odd# houses = Mondays	SPRINKLING BAN: LAWN WATERING NOT PERMITTED	
Hand-watering, drip irrigation	ANYTIME	ANYTIME	HEIGHTENE	Between 7-10 am OR 7-10 pm (on your watering day)	Lawn Watering Times	Between 7 pm - 7 am	Between 7-10 am OR 7-10 pm for 2 hours MAX	Between 7-10 am OR 7-10 pm for 2 hours MAX		
Washing vehicles, boats, houses (siding)	ANYTIME	ANY TIME (on your watering day)	D REDUCTI	NOT PERMITTED	Washing vehicles, boas, houses (siding)	ANYTIME	ANYTIME (on your watering day)	Between 7-10 am OR 7-10 pm on your watering day	Between 7-10 am OR 7-10 pm on your watering day	
Pressure washing walkways, driveways, siding	ANYTIME	ANY TIME (on your watering day)		ONLY prior to application of paint, preservative, stucco, or sealant	Hand-Watering, drip irrigation & micro irrigation	ANYTIME	ANYTIME		Between 7-10 am OR 7-10 pm on your watering day	
Filling fountains, pools, hot tubs		ANYTIME (on your watering day)	OP OF STAGE	NOT PERMITTED	Filling fountains, pools, hot tubs	ANYTIME	ANYTIME (on your watering day)	Voluntary Restrictions	NOT PERMITTED	
New lawn permits	Can apply for a permit	Can apply for a permit	IGE 2	NO PERMITS ISSUED	Pressure washing walkways, driveways, siding	ANYTIME	ANYTIME (on your watering day)	encouraging residents to reduce water use where they are able to	ONLY prior to application of paint, preservative, stucco, or sealant	
Vegetable gardens ar	Vegetable gardens and fruit trees are exempt from all watering restrictions, even in Stage 4.					Can apply for a permit	Can apply for a permit		NO PERMITS ISSUED	

## **KEY PROPOSED ADJUSTMENTS TO THE FRAMEWORK:**

- New level 3 limits to watering one day per week
  - Current stage 3 restrictions do not function to effectively reduce water use. They are voluntary restrictions and adjusting stage 3 to include concrete and measurable water restrictions will provide clear direction for residents on how to reduce water use
- Level 4 to include allowance of car/boat washing with shut-off nozzle • Not a significant contribution to seasonal water shortages; car washes are still permitted to remain open during level 4
- Extend restriction period from April 1 October 31 Responding to observed trend in longer and hotter summers
- Change name to "Regional Outdoor Water Conservation Framework"
  - Communication through a lens of collective positivist action
  - Emphasis on "outdoor" use



### **IMPLEMENTATION**

- Report to the RDN Board: May 28th proposed bylaw amendments to incorporate updates
- Support partner municipalities and water purveyors as needed with council presentations and/or staff presentations
- Update communication materials to reflect changes
- Launch throughout summer 2024
- Continue to monitor for effectiveness, clarity in communications, and response from residents, revisit the framework as needed and update to reflect changing conditions



## **TEAM WATERSMART EVENTS** WATER 2 EARTH MONTH IN REVIEW

- This year featured 18 in-person events, 6 hosted by RDN. Highlights included:
  - Errington WellSmart workshop
  - Intro to Raingardens workshop
  - Brant Childrens Festival
  - Nanaimo River Watershed tour
  - Streamkeepers course
  - Earth Day at Bowen Park
- Over 400 people attend our registered and drop-in events
- Online engagement: Social media contest asking people to share their "Water2Earth Month Actions"; gave away a rain barrel and zero waste prize pack





## **TEAM WATERSMART EVENTS UPCOMING SEASONAL TOURS AND EVENTS**

- Team WaterSmart is attending the City of Nanaimo Public Works Day today
- Each year, the team aims to attend at least one event in each municipality/area.
- Target events with local residents instead of tourists. So, for example, we will be attending the Cedar and Gabriola Farmer's Markets in September when tourism is slower, so that we can maximize our interaction time with locals.





**QB** Beach Day

Lantzville Minetown Day

Errington Hi Neighbour Day <u>or</u> Errington Farmer's Market

Lighthouse Fall Fair

Cedar Farmer's Market

Gabriola Farmer's Market <u>or</u> Gabriola Commons Fall Fair

River's Day

## TEAM WATERSMART EVENTS RESIDENTIAL IRRIGATION CHECKS

- Since 2010, hundreds of residential irrigation check-ups have been performed by Team WaterSmart staff. The program has effectively caught leaks, lowered excessive watering times and advised on water-saving techniques.
- Letters are being sent out to the top 100 water users of RDN water systems and municipalities to offer an Irrigation Check.
- In 2024 we aim complete 16 checks ups in June and July
- Report to residents includes:
  - Identification of leaks and inefficiencies with recommendations for improvement or remedy
  - $\circ\,$  Control timer settings recommendations
  - Irrigation rebate information

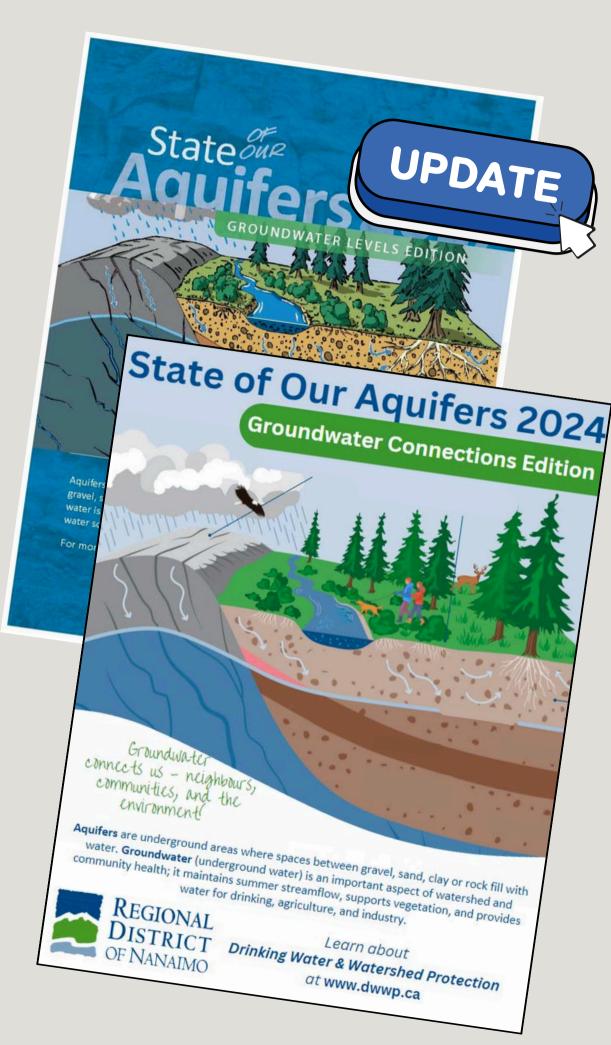




## **STATE OF OUR AQUIFERS REPORT UPDATE**

## **PROJECT OBJECTIVES**

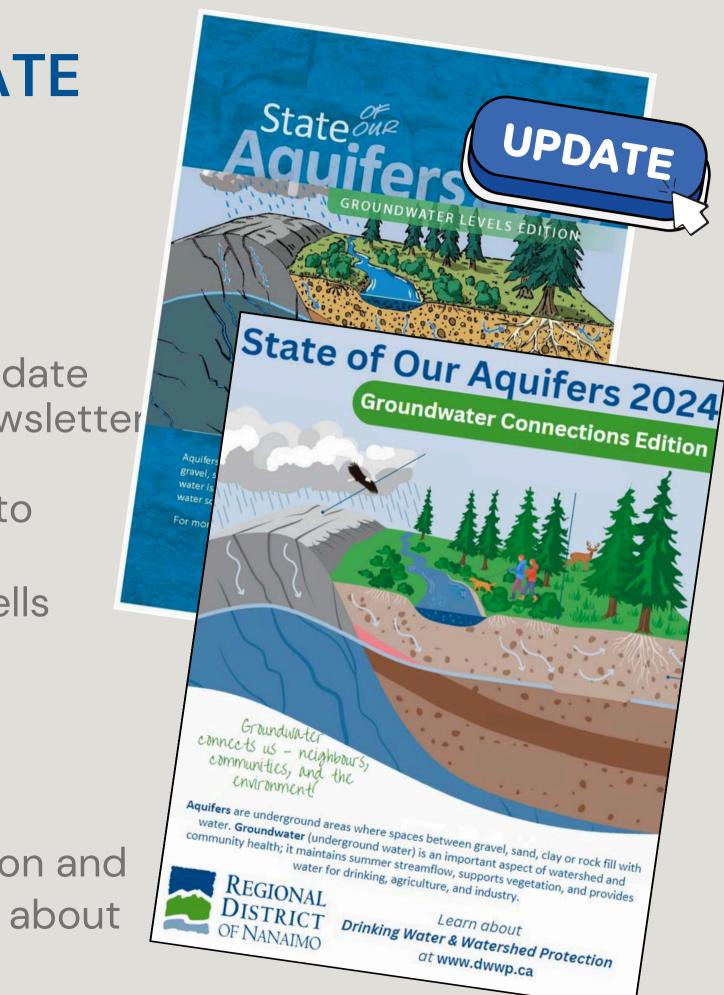
- To communicate updated groundwater science and information to residents.
- To present the information in a clear, engaging, user-friendly format.
- To incorporate:
  - Annual Pre-Summer Groundwater Levels analysis report;
  - Planned communications through the *Climate-Informed* Best Practices for Water Supply Planning project
  - Links to the *Regional Strategy for Rainwater* Management
  - Recently updated groundwater graphics and aquifer mapping



## STATE OF OUR AQUIFERS REPORT UPDATE

## **PROJECT COMPONDENTS**

- Technical: Hydrogeological Consulting Services for groundwater data analysis, graphing and interpretation
- Visual: Graphic Design Services to generate and consolidate graphical content in a visually pleasing user-friendly newsletter
- Distribution: Printing Services and Canada Post Mailing to Residents.
  - will be mailed out to all residents who are private wells (outside of water service area boundaries)
- Survey: Directing recipients of the mail-out to a RDN GetInvolved page
  - gather information on the reception of the publication and inform future strategies for education and outreach about groundwater in the region



## STATE OF OUR AQUIFERS REPORT UPDATE DRAFT OVERVIEW

#### **State of Our Aquifers 2024**

**Groundwater Connections Edition** 

#### **Our Regional** Aquifers

Regional District of Nanaimo (N) is located on the central east ast of Vancouver Island munities within the region ude the municipalities of aimo. Lantzville. Parksville, and licum Beach, as well as seven propriated Electoral Areas

er (insert updated number) in our gion rely on groundwater for their ater supply

escribe sand & gravel/bedrock uifers and introduce graphic



Groundwater connects us - neighbours, communities, and the environment

Aquifers are underground areas where spaces between gravel, sand, clay or rock fill wi water. Groundwater (underground water) is an important aspect of watershed and community health; it maintains summer streamflow, supports vegetation, and provide water for drinking, agriculture, and industry.



Learn about DISTRICT Drinking Water & Watershed Protection at www.dwwp.ca

#### Monitoring groundwater in the region

oundwater is underground and not really visible. Though groundwater may be out of sight, not out of mind as it is crucial for sustaining communities and our local environment. Gro s the source of drinking water for many residents within the region and our streams and rive on groundwater for base flow during the hot summer months and in times of drought.

Ionitoring groundwater is crucial to track the health of this precious resource. Observation v rovide a window into the aquifer and a means of monitoring groundwater levels. Add descr of observation wells that corresponds to graphic. Add info about monitoring to better under print of the second s and yearly changes in the water table. This provides oversight to help guide water managem

Within the RDN, X observation wells are operated by the Province and X are coordinated by th RDN's Drinking Water & Watershed Protection program, through partnerships with volunteer owners who agree to have a data logger installed in their private well. Add brief intro to VOW of link to webpage

Groundwater data is best observed over the long term, for a minimum of 10 years, to meaning inderstand trends and connections. We care because groundwater is nportant drinking wa source in our communities and plays a key role in contributing t w that supports ag abitat and environmental health

Page 2

general definition of aquifers and groundwater

how we monitor with a description and graphic of \_\_\_\_\_ an observation well

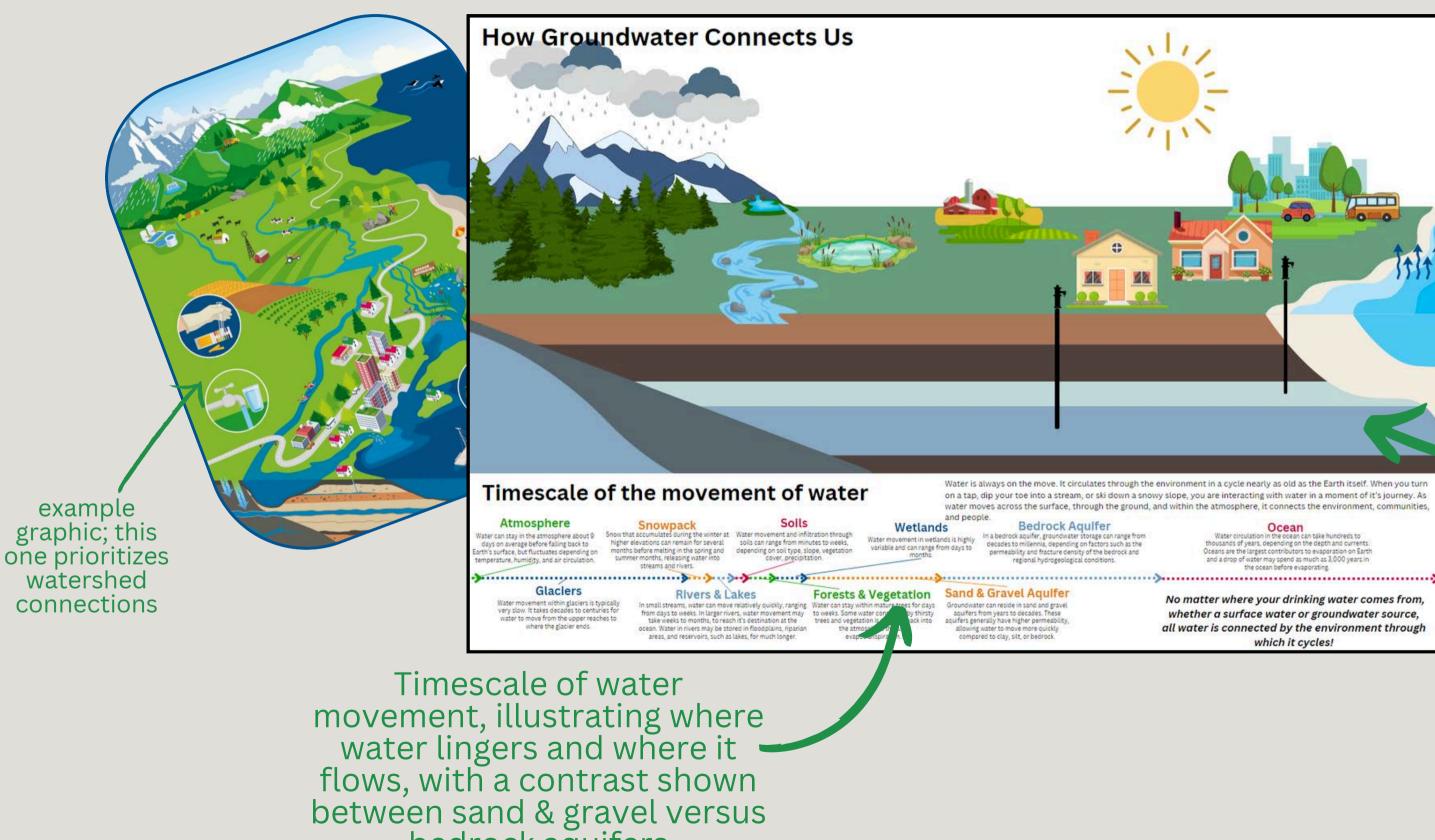
## regional mapped aquifers with monitoring locations

The following table lists aquifers in our region where there are observation wells monitoring groundwate levels. Bedrock aguifers and overburden (sand and gravel) aguifers behave differently so it is important to monitor both. Bedrock aquifers in our region are generally lower yielding and more vulnerable to drought. In sand and gravel aquifers it is variable - some are high yielding, with lots of storage; others are more moderate yielding and more susceptible to overpumping and drought.

eep Bay, Bowser	0. P 416	quifer P	DN Water Reb	1	of ODSERVATON Nater Level Nater Level INCREASING +0.089m observed per year	Nater Level 1
Qualicum Bay, Dashwood	662	1	0.0.0	3	NOT ENOUGH DATA	NOT ENOUGH DATA
ittle Qualicum River Valley	664	2	0.12.20-124	1	STABLE	STABLE
irrington, Coombs	220	3		1	DECUNING -0.32m observed per year	DECLINING -0.11m observed per year
aualicum Beach, Coombs	217	3		4	DECLINING -0.095 to-0.68 observed per year	VARIABLE +0.34 and-0.091 to-0.31 observed per year
Parksville, French Creek	216	3&4		5	DECLINING -0.18 to-0.32m observed per year	DECLINING -0.03 to-0.29m observed per year
ast Wellington, Nestwood Lake	167	5		1	NOT ENOUGH DATA	NOT ENOUGH DATA
Senson Meadows, Jingle Pot	211	5		1	DECUNING -0.94m observed per year	DECLINING -0.66m observed per year
antzville	213	5		3	NOT ENOUGH DATA	NOT ENOUGH DATA
antzville	215	5		2	VARIABLE +0.17 to-0.17m observed per year	VARIABLE +0.17 to-0.17m observed per year
Central Nancose (upper)	219	5		4	VARIABLE ±0.02 to-0.04m observed per year	NOT ENOUGH DATA
Central Nanoose (mid)	1098	5	0, 1, 2, 0, 0, 0, 0	1	STABLE	NOT ENOUGH DATA
Cassidy (lower)	160	6	1.0.1.1.0	3	STABLE	STABLE
Cassidy (upper)	161	6		2	DECLINING -0.05m observed per year	STABLE
Cedar, Yellowpoint	162	6		4	INCREASING +0.08 to 1.32m observed per year	DECLINING -0.43m observed per year
South Wellington	165	6		2	NOT ENOUGH DATA	NOT ENOUGH DATA
Sabriola Island	709	7		6	DECLINING -0.04 to -0.32m observed per year	VARIABLE ±0.02 to-0.05m observed per year

table to be updated with current data and new mapped aquifers added

## STATE OF OUR AQUIFERS REPORT UPDATE DRAFT OVERVIEW



bedrock aquifers

Developing a new largescale graphic that shows interactions of groundwater across the landscape, surface water connections, and how it flows through our environment

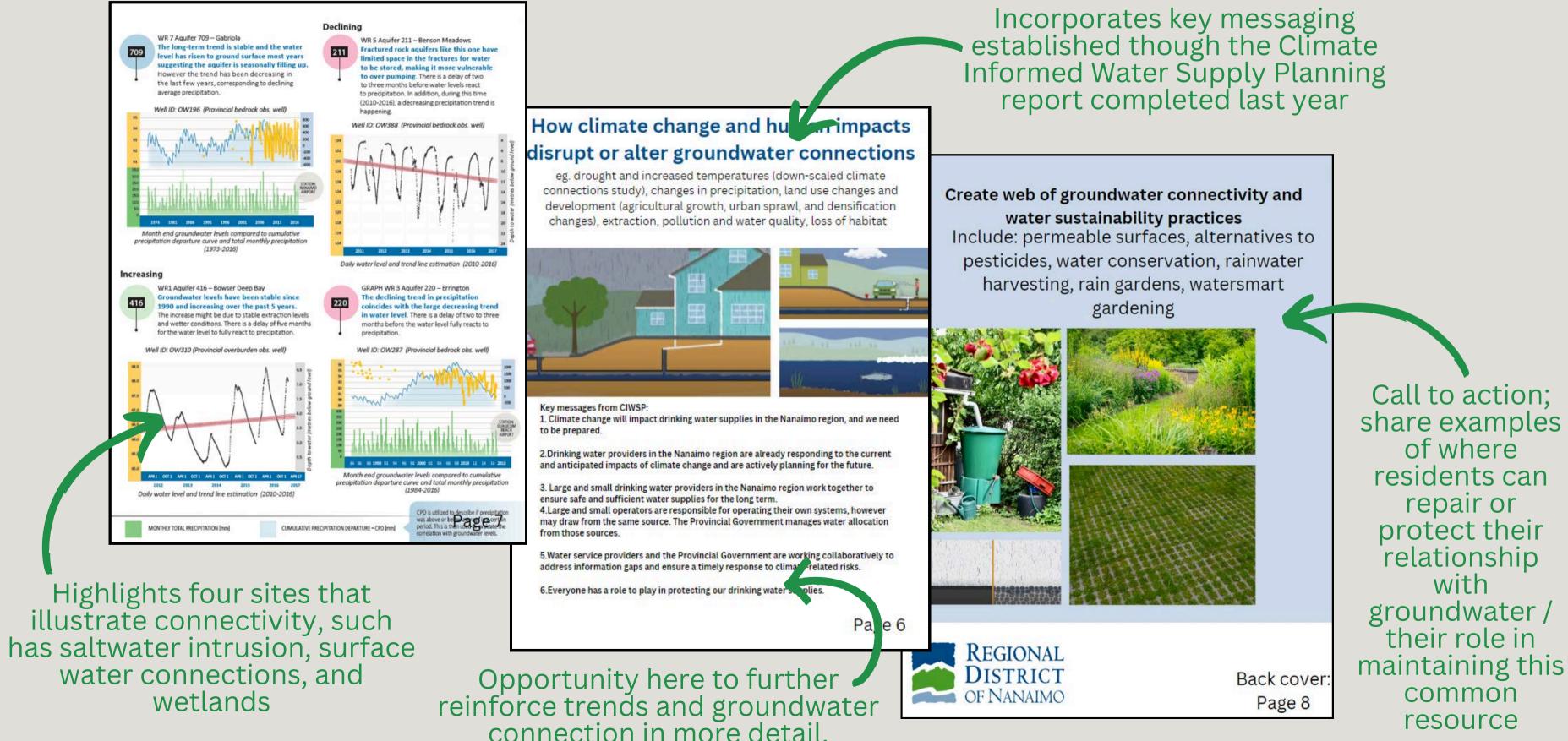
Water is always on the move. It circulates through the environment in a cycle nearly as old as the Earth itself. When you turn on a tap, dip your toe into a stream, or ski down a snowy slope, you are interacting with water in a moment of it's journey. As water moves across the surface, through the ground, and within the atmosphere, it connects the environment, communities,

#### Ocean

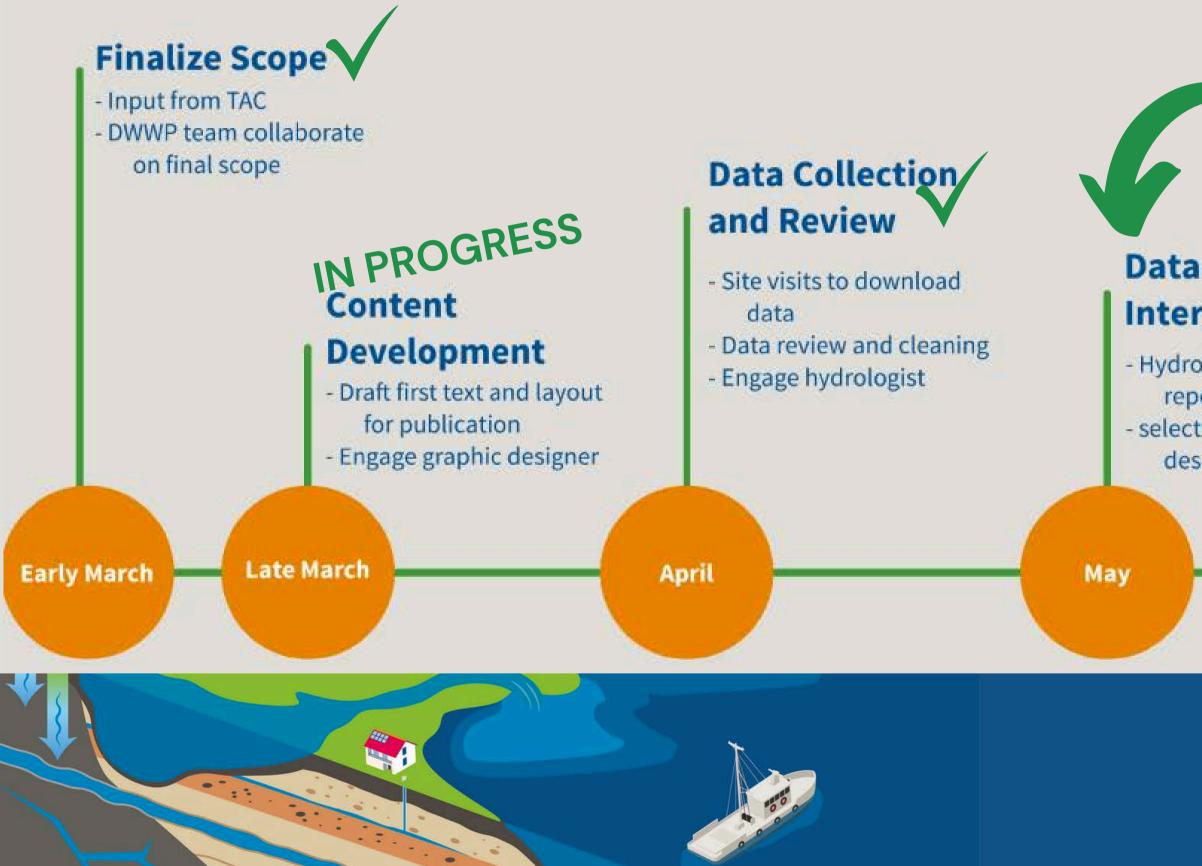
nds of years, depending on the depth and curr and a drop of water may spend as much as 3,000 years in the ocean before evaporating.

No matter where your drinking water comes from, whether a surface water or groundwater source, all water is connected by the environment through which it cycles!

## STATE OF OUR AQUIFERS REPORT UPDATE DRAFT OVERVIEW



## STATE OF OUR AQUIFERS REPORT UPDATE TIMELINE





#### Data Interpretation

 Hydrologist review and report trends seen in data
 selected graphs to graphic designer

#### Report and Publish

Report 2024 Regional
 Groundwater Analysis
 Pre-summer to RDN
 Board
 Finalize SooA publication

for July direct mail-out and online

June



#### www.rdn.bc.ca/dwwp-reports



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# Informs summer water supply planning

- 2023 Community Watershed Monitoring Network Data Analysis Technical Memorandum
  - Regional Groundwater Level Analysis Pre-Summer 2023 (MEMO) + Tables and Graphs (APPENDICES)
  - Regional Groundwater Level Analysis Pre-Summer 2022 (MEMO) + Tables and Graphs (APPENDICES)
  - Regional Groundwater Level Analysis Pre-Summer 2021 (MEMO) + Tables and Graphs (APPENDICES)
  - Wetland Mapping and Monitoring in the Regional District of Nanaimo- 5-Year Research Project with VIU (link to Get

#### Intended audience:

- Water purveyors
- Partner agencies
- Volunteers of the VOW program
- Community stewards and citizen scientists
- Outreach and education publications
- Available online at www.rdn.bc.ca/dwwp-reports







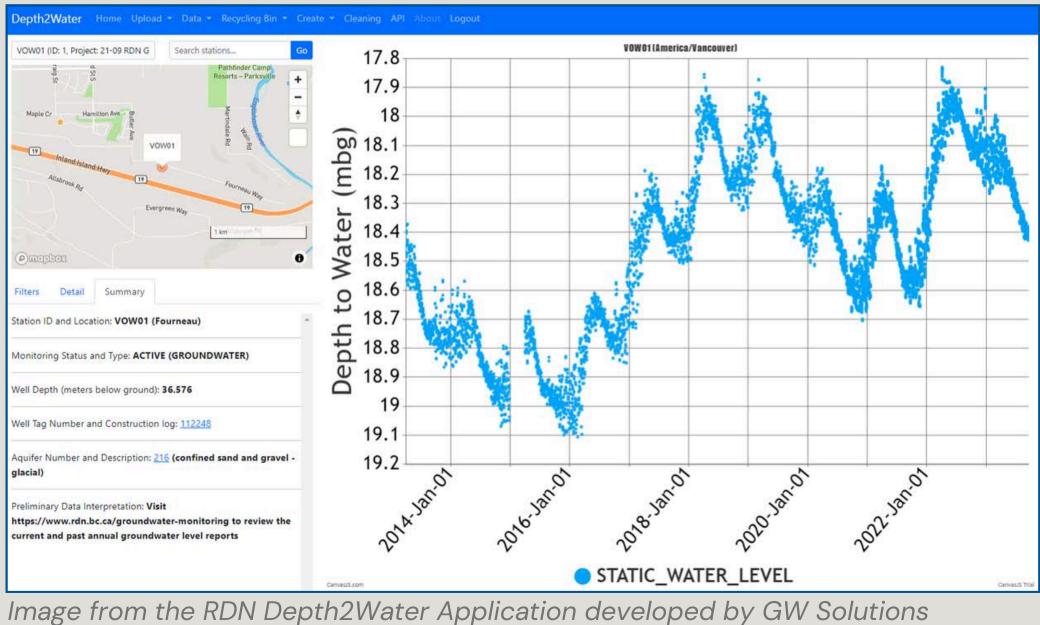
## State of Our Aquifers 2024

**Groundwater Connections Edition** 

#### • Data collection nearly complete



# • Next...

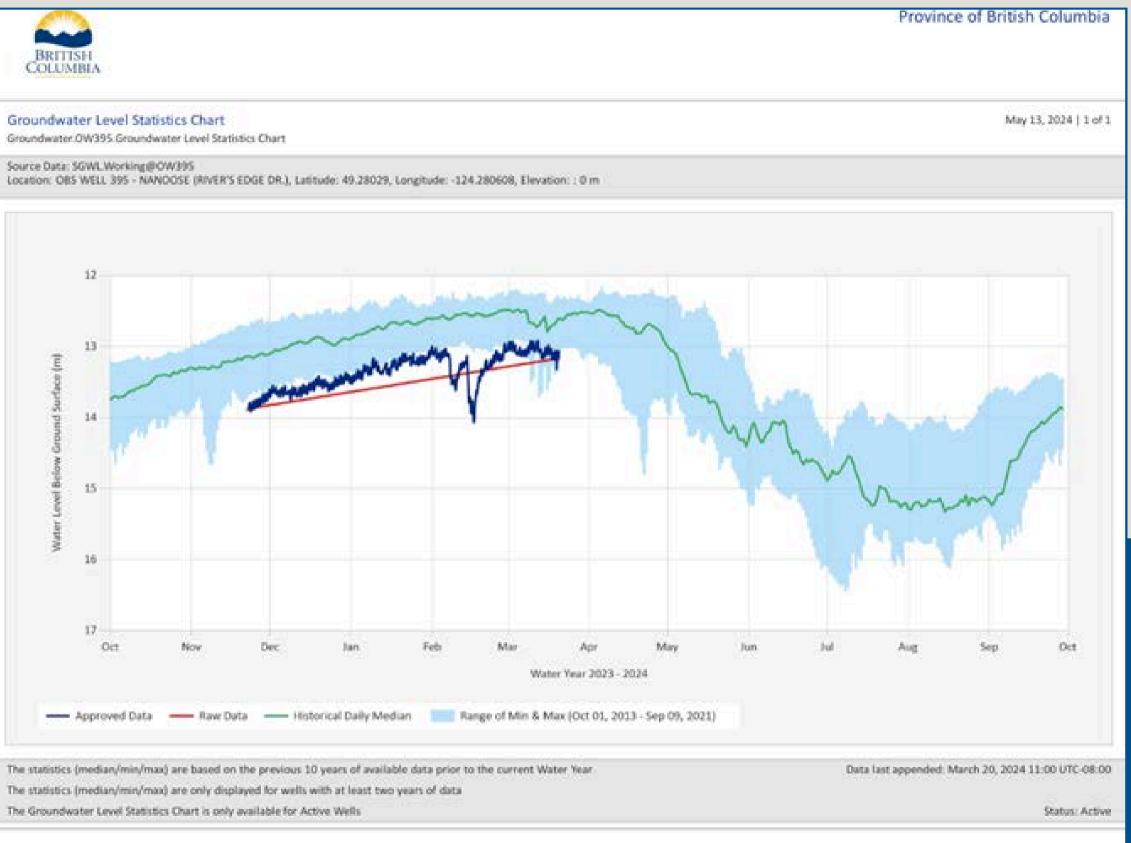


#### - data upload, review, and cleaning

#### Hydrogeologist support for annual report

- Develop a template for a groundwater level statistics chart
- Review all charts for readability and completeness

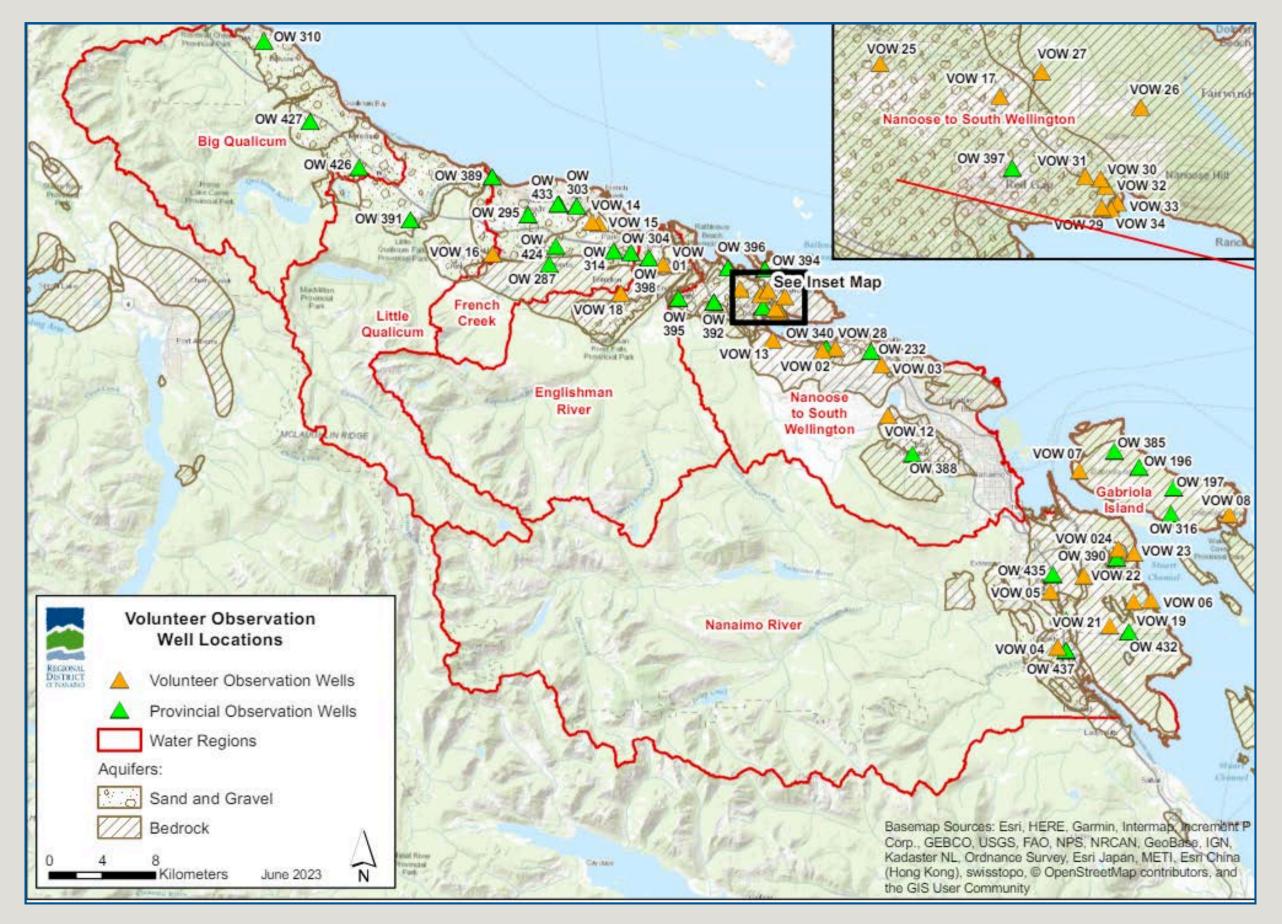




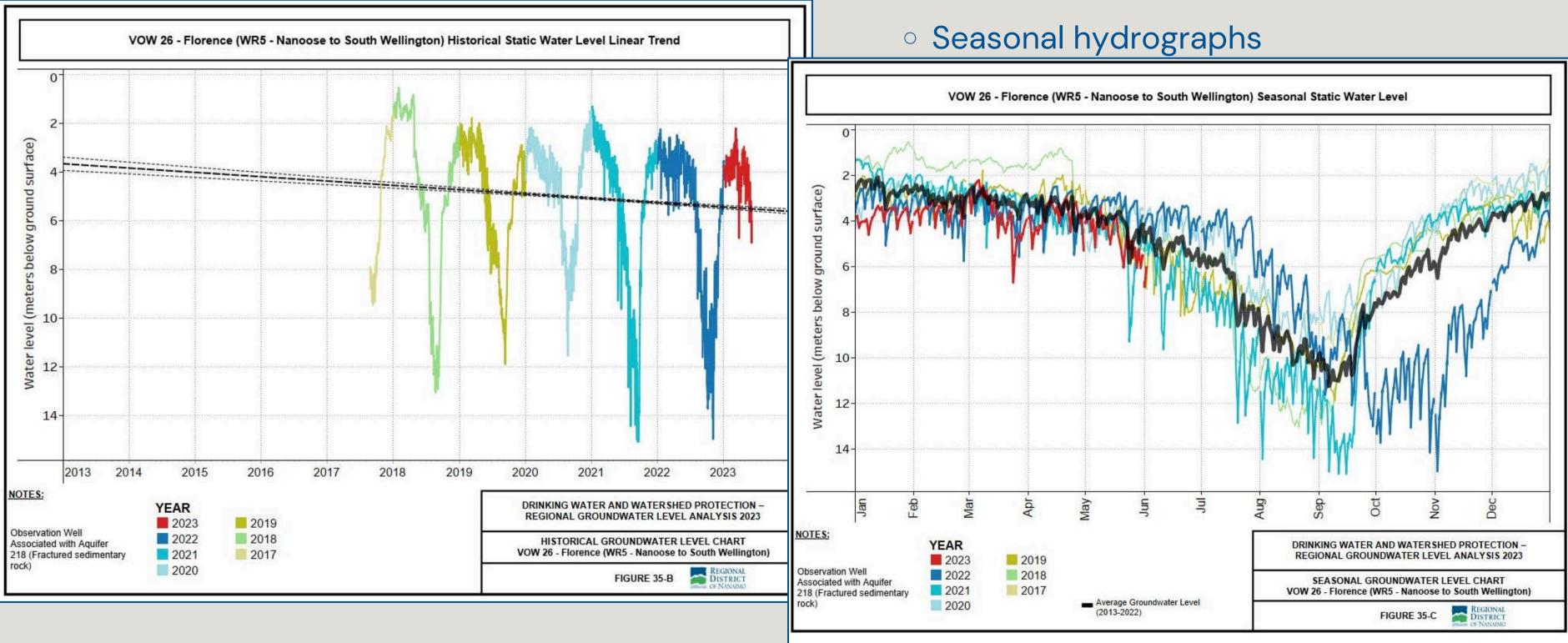
DISCLAMER - The Government of British Columbia accepts no liability for the accuracy, availability, nutability, reliability, completeness of timeliness of the data.

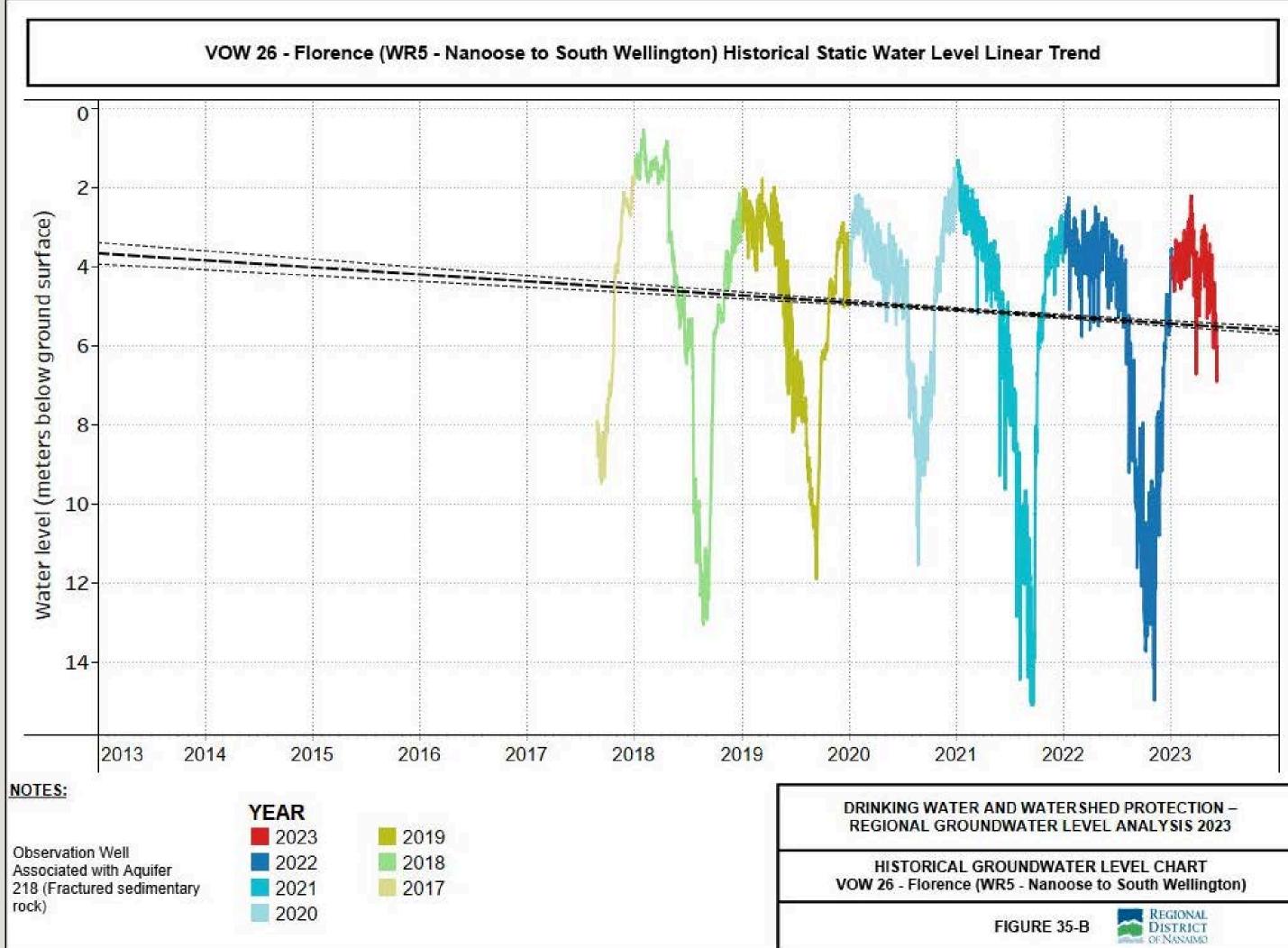
# • 2024 report will include:

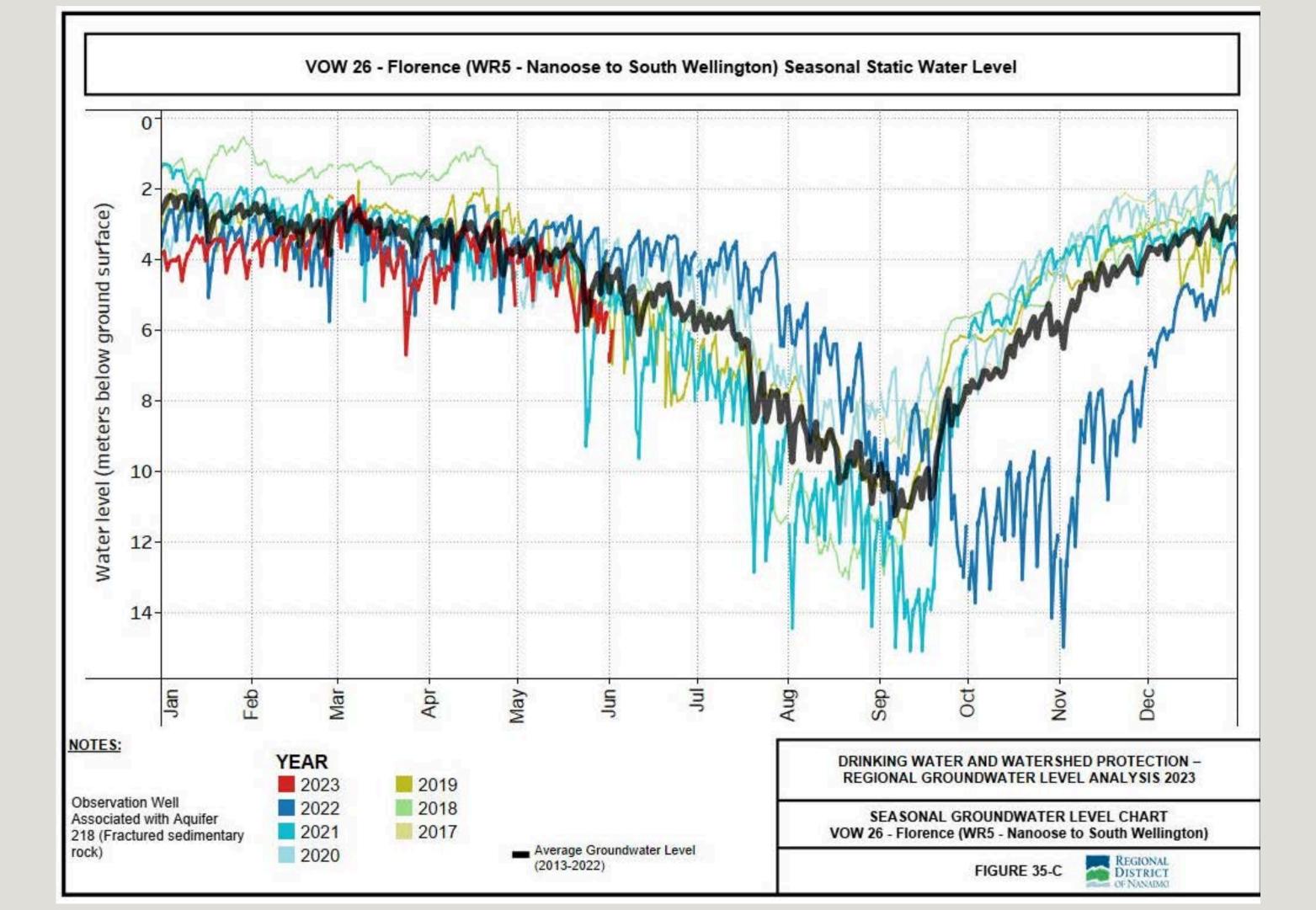
- Executive summary of monitoring results to date
- Summary tables aquifer information, trends, and results
- Map of VOW and PGOWN sites included in the report



- 2024 report will include:
  - Historical hydrographs







- 2024 report will go to the board June 25th
- Once the RDN Board approves:
  - The report will be published on our website
  - Emailed to community stewards
  - Shared directly with VOW program volunteers



RECOMMENDATIO	N
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That the Board receives this report for information.

#### BACKGROUND

Most communities within our region rely on groundwater for their water supply. This includes water service areas operated by the Regional District of Nanaimo (RDN) as well as District of Lantzville, City of Parksville and Town of Qualicum Beach. Four improvement districts also source groundwater for their waterworks systems, including Deep Bay Improvement District, Bowser Waterworks, Qualicum Bay Horne Lake Waterworks and North Cedar Improvement District. Additionally, Snaw-naw-as First Nation and Stz'uminus First Nation operate water supply systems that rely on groundwater from regional aquifers. EPCOR is a private water system that provides groundwater for residents in French Creek.

The RDN Drinking Water and Watershed Protection (DWWP) program monitors groundwater levels in aquifers across the region, through the RDN Volunteer Observation Well Network, in order to understand water availability and assess trend changes over time. This supplements the monitoring done by the Province in Provincial Observation Wells within the region.

Since 2020, the RDN DWWP program has completed an annual regional analysis of groundwater levels to support water managers in the region in preparation for the summer period ahead. In 2020 and 2021, technical reports from Waterline Resources Inc. (Waterline) provided an update on longer-term and seasonal trends observed in the aquifers within our region. The <u>Regional Groundwater Level Analysis for Summer 2020</u> report summarized current conditions and related that back to community water service areas and un-serviced areas alike. Waterline updated the <u>tables and hydrographs for 2021</u> to provide an abbreviated analysis to the reporting done in 2020.

For 2022, the DWWP program has completed this groundwater level analysis internally, to allow for greater access to the data, flexibility on reporting timelines and methods, and to reduce some financial implications associated with contracting out this service. The DWWP program has established an agreement with GW Solutions Inc. for data housing through a service-oriented application developed to manage groundwater data and supports analysis and visualization using Tableau and PostgreSQL software.

As in prior updates, there are some gaps in available data, so the analysis only represents the data available at time of reporting. The data available for and used in the 2022 analysis includes 30 RDN Volunteer Observation Wells (VOW) and 9 Provincial Groundwater Observation Network Wells (OW). This update covers 18 (of the 22)

#### STAFF REPORT TO Regional District of Nanaimo Board June 28, 2022

#### REGIONAL GROUNDWATER LEVELS ANALYSIS - PRE-SUMMER 2022

Author: Erica Forssman, Drinking Water & Watershed Protection Program Coordinator File No. 5280-22

## COMMUNITY WATERSHED MONITORING NETWORK 2023 ANALYSIS

Surface water quality sampling since 2011

- Collected by trained community stewards
- In 2023, 66 sites, 40 streams, and 27 watersheds were monitored
- Two 5-in-30 sample periods

   Summer low flow
   Fall flush
- Provincial methodology used supports comparison to Ambiant Water Quality Objectives/Guidelines
- Data publicly available

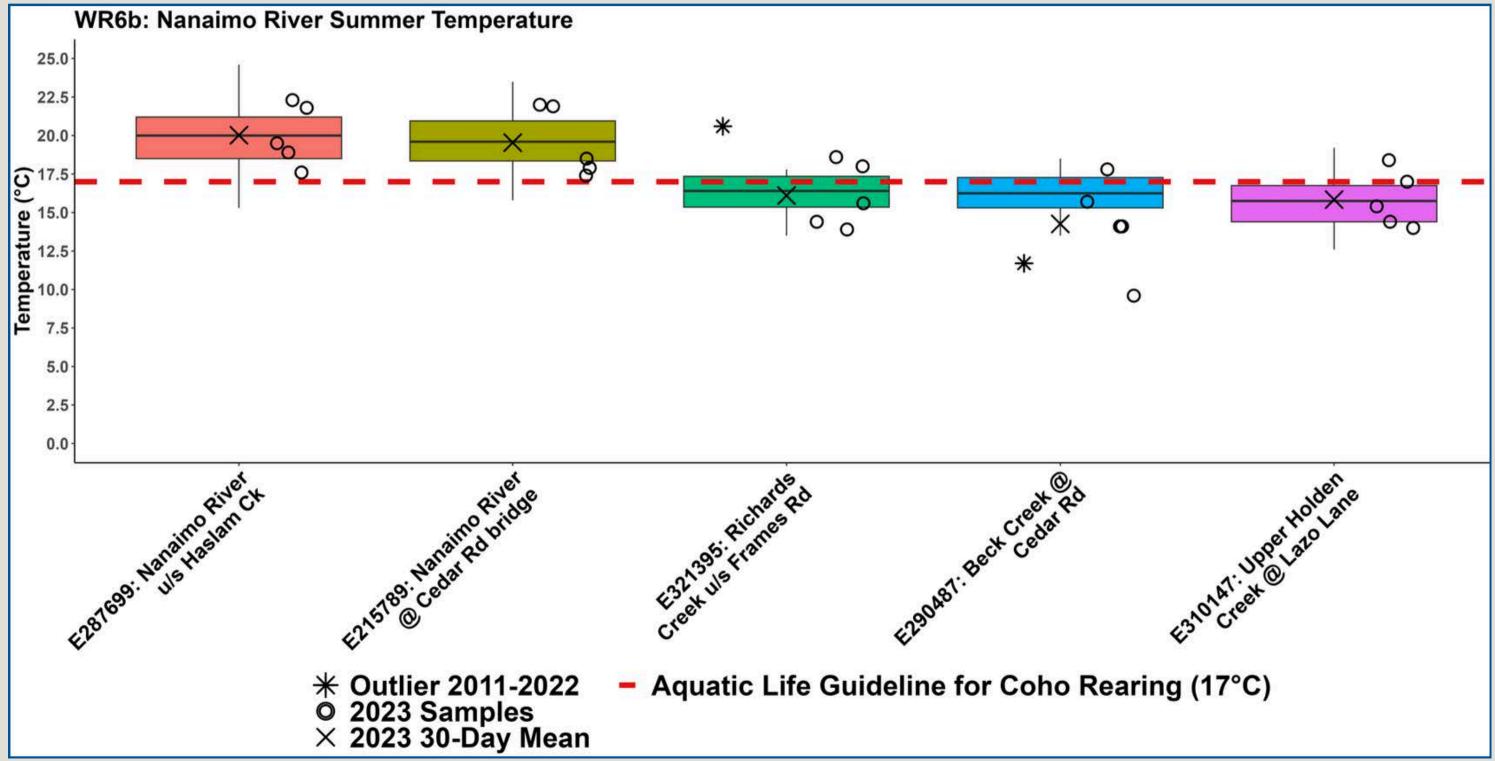


Annie Creek water quality sampling

## COMMUNITY WATERSHED MONITORING NETWORK 2023 ANALYSIS

Statistical analysis of CWMN data 2011 - 2023

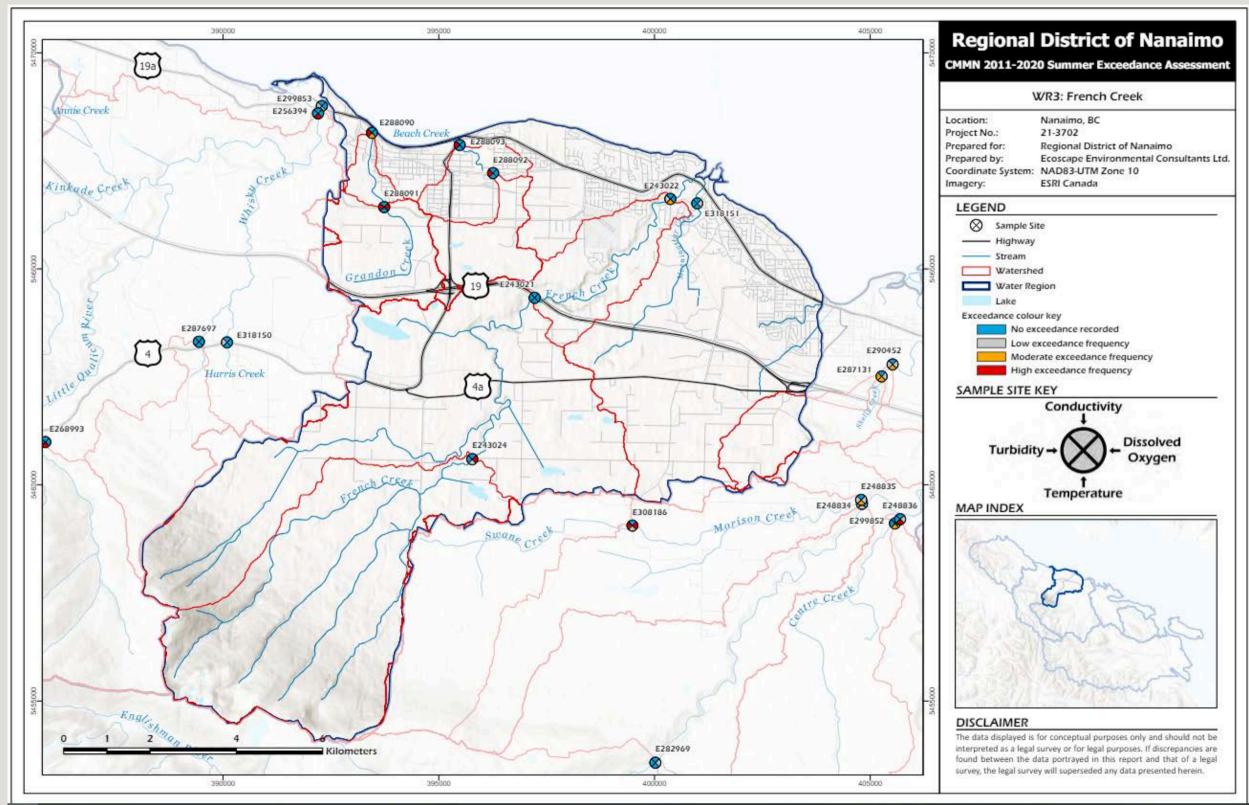
- Consultant engaged
- Review and validate of 2023 data
- Update box plots



2023 box plot created by Ecoscape Environmental Consulting

## **COMMUNITY WATERSHED MONITORING NETWORK 2023 ADDITIONAL ANALYSIS**

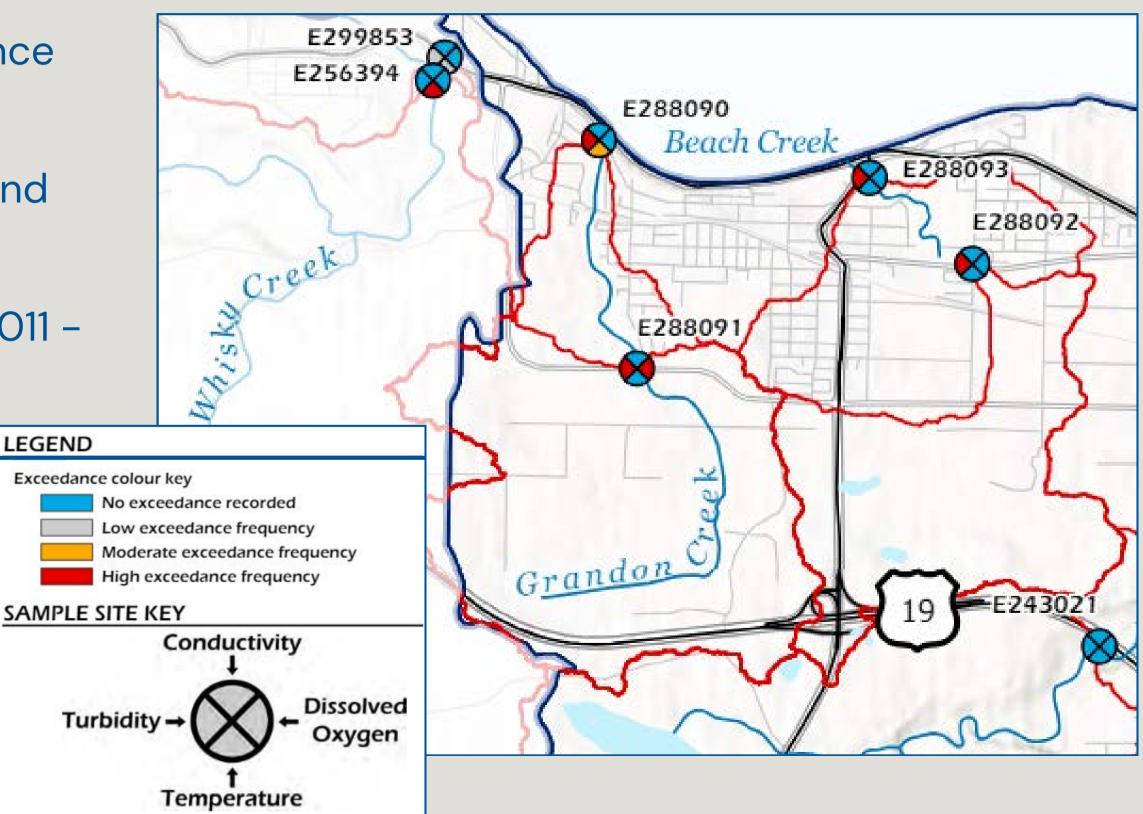
- Exceedance maps developed in 2021 include data 2011 -2020
- Topographic basin delineations for each site
- Water quality parameters by crosshairs location



<sup>2021</sup> exceedance map created by Ecoscape Environmental Consulting

# COMMUNITY WATERSHED MONITORING NETWORK 2023 ADDITIONAL ANALYSIS

- Colours represent exceedance category
- Map for each water region and sample period
- Update in 2024 to display 2011 2023 data
- Basins will incorporate stormwater data layers
- Maps and analysis results presented at the annual results session

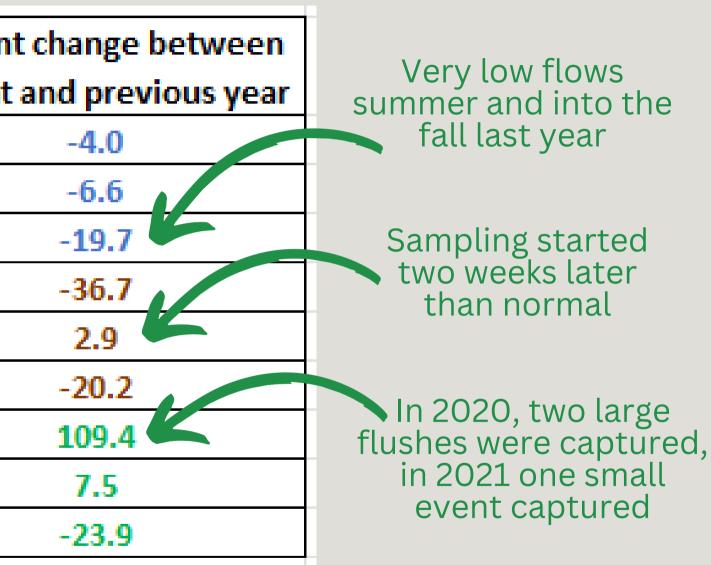


# COMMUNITY WATERSHED MONITORING NETWORK 2023 PRELIMINARY ANALYSIS

Year	Parameter	Guideline	Sites within WQG/O (%)	Percent current
2021	dissolved oxygen	5 mg/L + 8 mg/L	68.8	
2022	dissolved oxygen	5 mg/L + 8 mg/L	64.2	
2023	dissolved oxygen	5 mg/L + 8 mg/L	51.5	
2021	temperature	17°C	40.6	
2022	temperature	17°C	41.8	
2023	temperature	17°C	33.3	
2021	turbidity	2 NTU + 5 NTU	50.0	
2022	turbidity	2 NTU + 5 NTU	53.7	
2023	turbidity	2 NTU + 5 NTU	40.9	

Sampling time and environmental conditions influence results

Data interpretation and reporting communicate nuances and utilize the application of collected data



# COMMUNITY WATERSHED MONITORING NETWORK RESULTS SESSION PLANNING

- July 9, 2024
- Nanoose Place
- Catered lunch
- Guest speakers
- 2023 data summary
- First look at CWMN strategic planning framework



Annie Creek turbidity reading of 24.1 NTU

## COMMUNITY WATERSHED MONITORING NETWORK STRATEGIC PLANNING

#### Purpose:

To review the RDN Community Watershed Monitoring Network and refresh its strategic direction for the next 5 years, based on past learnings, current momentum, and related priorities.

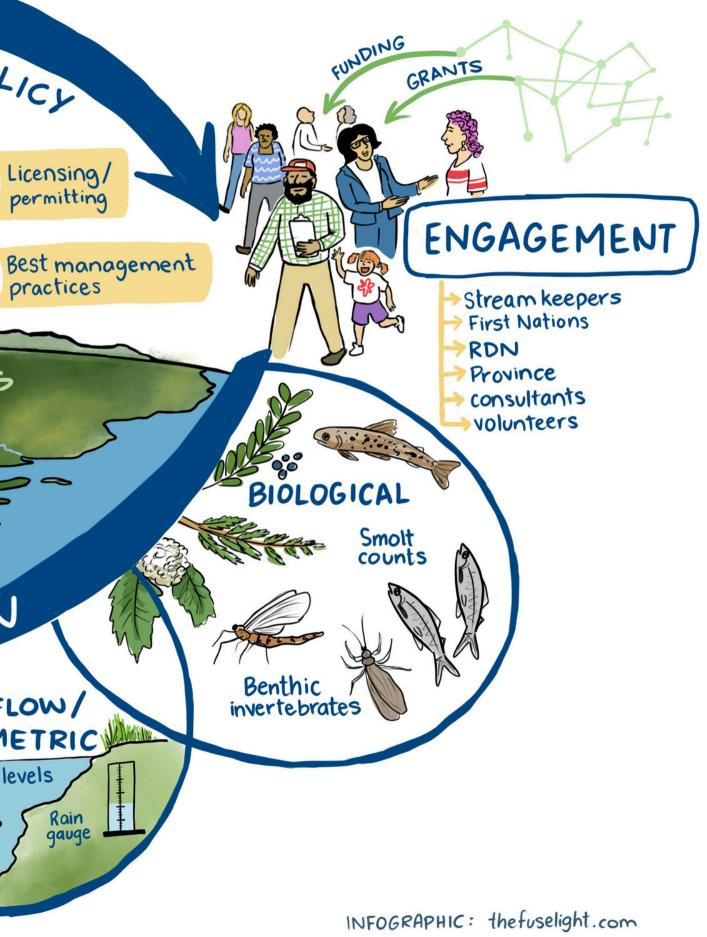
As stated within the DWWP Action Plan, the vision for the network is not to be limited to surface water quality only, but to extend the concept to all water monitoring in the region's watersheds that involves the RDN and community partners.

#### The monitoring network encompasses:

- Surface water quality
- Hydrometric
- Lake Levels
- Lake Water Quality
- Groundwater Levels
- Groundwater Quality
- Assessments / Mapping
- Biological Monitoring
- Wetlands
- Snowpack

#### COMMUNITY WATERSHED ACTION MONITORING NETWORK STEWARDSHIP, OUTREACH, POLICY Green infrastructure Stream/ INDICATORS | TRENDS | STRESS | RISK riparian ---enhancement & restoration REPORTING **⊠**====== Development ₫⋍⋍⋍ Education & Ne review ¥==== Outreach SAR! Water quality objectives healthy aquatic habitats climate resilient water supplies effective stormwater management WATER CHEMISTRY 8 10 DATA COLLECTION Surface water quality STREAMFLOW/ PHYSICAL ASSESSMENTS HYDROMETRIC Lake levels stream Groundwater Surveys 圍 Mapping





# **COMMUNITY WATERSHED MONITORING NETWORK STRATEGIC PLAN – WHAT WOULD IT INCLUDE?**

- <u>What is being done</u>: An inventory of what monitoring / stewardship is being done (or has been done) per group in which systems
- What has been found so far:
  - Summary of what monitoring findings point towards, what issues need to be addressed, determine what is outside of the scope of the network
  - Ideas on what should continue / where to focus next
- What are possible next steps: Detailed and implementable next steps
  - A roadmap of how implementation occurs
  - General timelines
  - Identification of leadership, resources, partners, etc.
- Map out a framework for implementation
  - produce clear direction for CWMN Strategy for DWWP staff work planning and an approach for the next 5+ year horizon



# COMMUNITY WATERSHED MONITORING NETWORK **STRATEGIC PLANNING – PROPOSED APPROACH**

Pilot the concept across the network in 2024; pause the surface water quality sampling in 2025 to roll out the strategic planning across the network

- Internal planning 2024 ongoing to refine this concept "planning for the planning"
- Share with stewards and partners July results session (share concept) and at November appreciation event (begin engagement / gather input)
- Implement Strategic Planning efforts in 2025 across the network; • Temporary DWWP staff to collect data at stations that need additional years; • Stewards will be engaged in strategic planning and other events to maintain their interest (i.e. Streamkeepers courses, photo monitoring)
- At 2026 results session, present the CWMN Strategic Plan
- Relaunch! 2026 monitoring resumes with Strategic Plan recommendations implemented

# COMMUNITY WATERSHED MONITORING NETWORK STRATEGIC PLANNING - DISCUSSION

How do you think we should develop this plan? What are your thoughts on the proposed approach?

What do you think should be prioritized within the plan?

How should streamkeepers be brought in for feedback? What about the general public?

Should we create a subcommittee within the DWWP TAC to support this process?

Other thoughts or comments?



## WATERSHED SECURITY FUND PROVINCIAL ANNOUNCEMENT

## **Our Priorities and Funding Streams**

In this first year of the program, grant funding will support projects and initiatives that prioritize reconciliation, ecosystems health and climate resilience. Across a range of themes, funded projects will support healthy communities and sustainable economies. We recognize the holistic, interwoven aspects of watershed work and understand that most projects will connect across several areas.

Three different funding streams with varying maximum grant sizes from \$50 up to \$500k

Eligible organization include registered nonprofits, educational institutions, social enterprises, local/regional governments, and First Nations

### Funding Themes (Areas of work) include:

- Watershed Collaboration, Planning and Governance
- Watershed and Ecosystems Restoration
- Nature-based infrastructure
- Watersheds & Food Systems
- Monitoring and Assessment
- Land & Water-based Learning, Intergenerational Knowledge

## watersecurityfund.ca/grants



# THANK OU

## Next Meeting: September 11, 2024