



DRINKING WATER  
WATERSHED  
PROTECTION

# **RDN Drinking Water & Watershed Protection Program**

## **Technical Advisory Committee October 18, 2017**

# Roundtable Updates



# Agenda

## Presentation Topics

<b>Update to RDN Policy B1.21</b>	<b>Review of draft policy update</b>
<b>Hydrometric Monitoring (Phase 2 Water Budget)</b>	<b>Verbal update</b>
<b>Volunteer Monitoring Well Network Expansion (Phase 2 Water Budget)</b>	<b>Verbal update</b>
<b>State of our Aquifers</b>	<b>Review of draft newsletter</b>
<b>DWWP Data Mgmt Framework</b>	<b>Review of draft report</b>
<b>GIS Water Map</b>	<b>Verbal update &amp; click-through</b>
<b>Upcoming GSC Workshop at VIU</b>	<b>Save the date</b>

# Policy Review

## Policy B1.21 – *Groundwater assessment requirements for rezoning of un-serviced lands*

- Sub-committee has met on April 19, June 5, August 28
- Discussed and proposed updates:
  - ✓ Clarified and improved policy format
  - ✓ Reviewed min. year-round water supply requirement of 3.5m<sup>3</sup> per day
  - ✓ Considered a tiered approach; decided against it.
  - ✓ Developed a clear & detailed checklist of report requirements

# Policy Review

## Timeline

- Draft for DWWP TAC review today – please provide any feedback / comments.
- Complete final update in next couple months with report to the Board early in new year.

# Hydrometric Monitoring

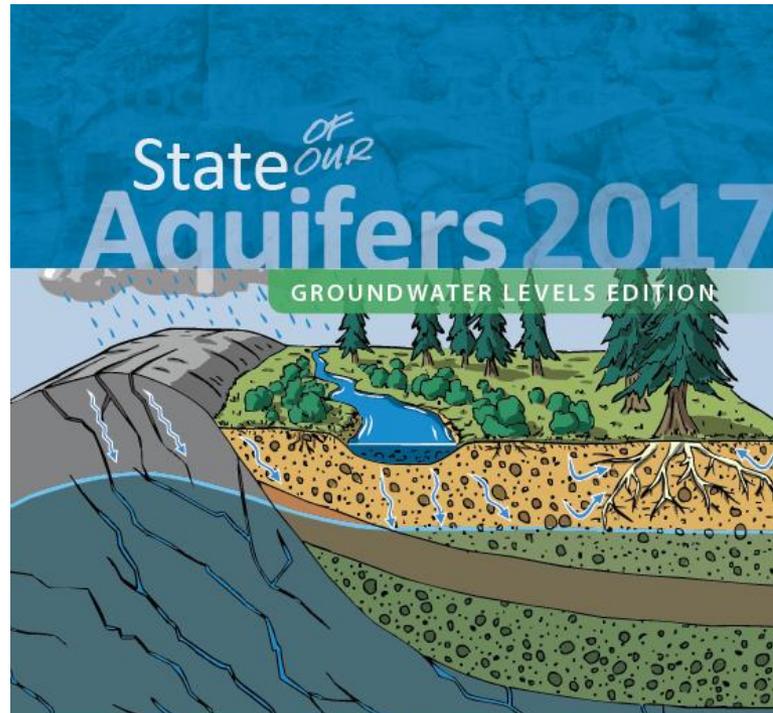
- New station added on Nanoose Creek in Feb.
- New station going in on Holden Creek this month.
- New level gauges being added to Quennell Lake and Holden Lake this month.



# Vol. Groundwater Monitoring Expansion Complete in 2017:

Priority Location	# of new vol. obs wells	Aquifers
Nanoose	4	1098, 215, 218 (2)
French Creek	5	216, 217, 220, 209*, 220*
Cedar-Yellowpoint	6	162 (5), 163

# State of our Aquifers - newsletter



State <sup>OF OUR</sup> Aquifers 2017  
GROUNDWATER LEVELS EDITION

There are 33 mapped aquifers in our region. Aquifers are underground areas where spaces between gravel, sand, clay or rock fill with water. This underground water is called 'groundwater'. Roughly 64,000 residents in our region rely on groundwater for their water supply, including the residents of all electoral areas and municipalities, except for the City of Nanaimo where the drinking water supply is surface water from the Nanaimo River. Many of the streams in our region rely on groundwater for base flow in the summer.

For more information please visit: [www.dwwp.ca](http://www.dwwp.ca)



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REGIONAL DISTRICT OF NANAIMO

# DWWP Data Mgmt Framework

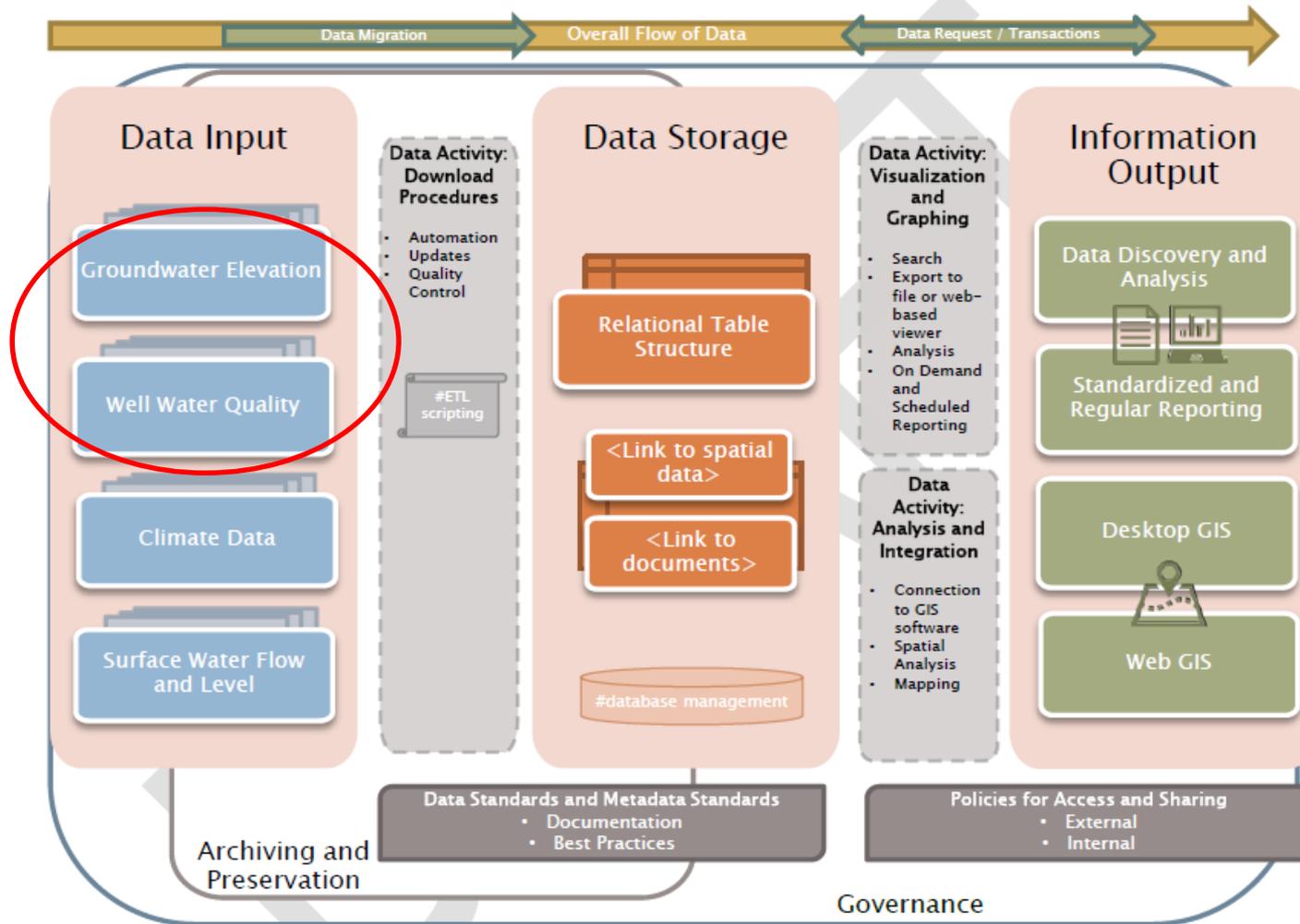
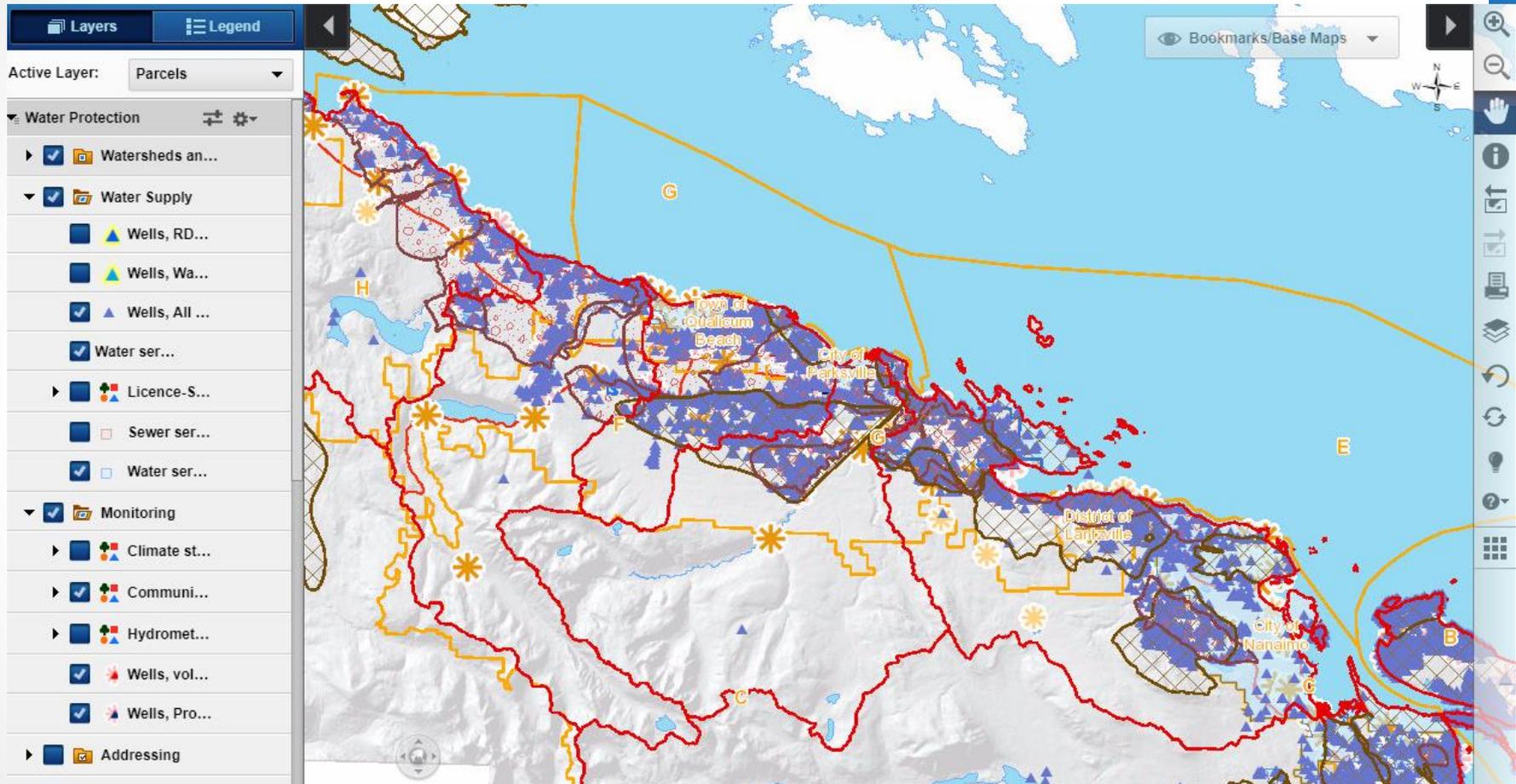


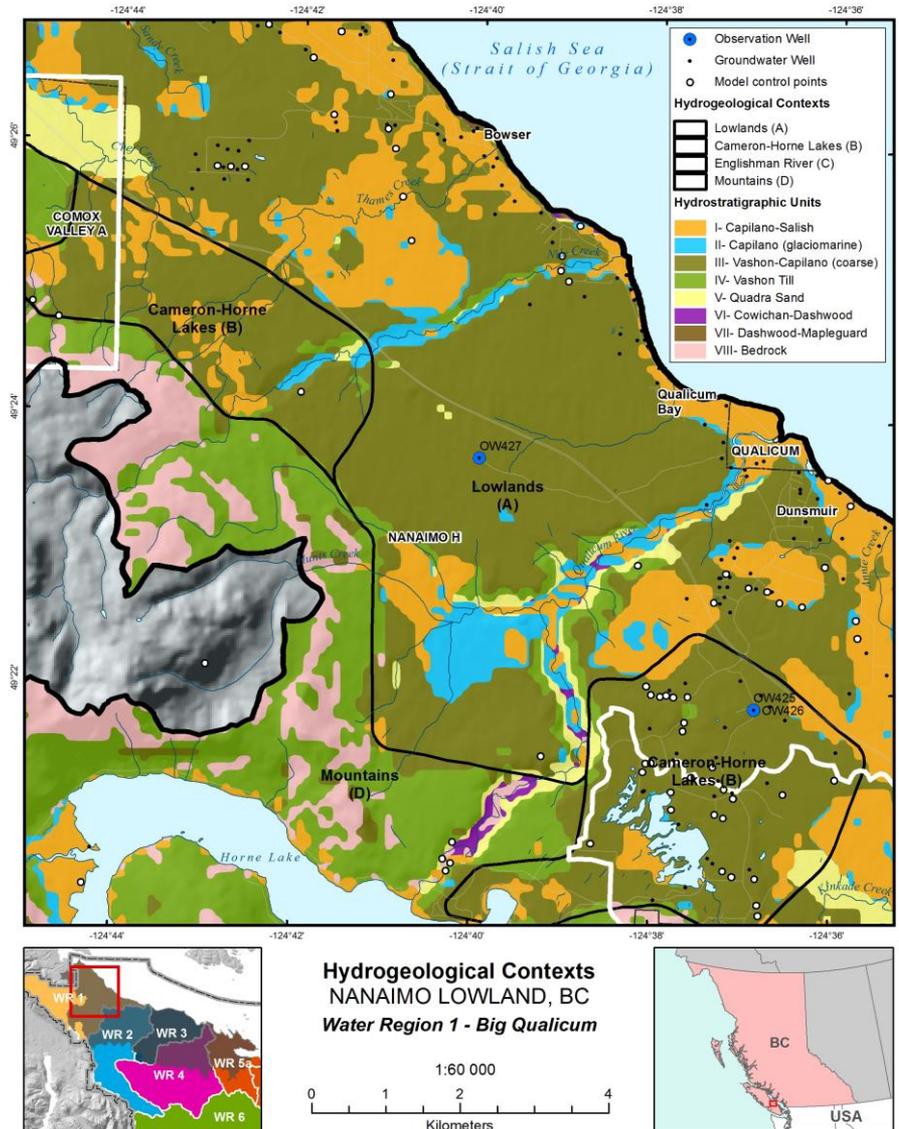
Figure 1: Conceptual Model of Data Management System for DWWP

# GIS Water Map



- Hub for spatial water-related info for our region

# Workshop at VIU – Save the Date



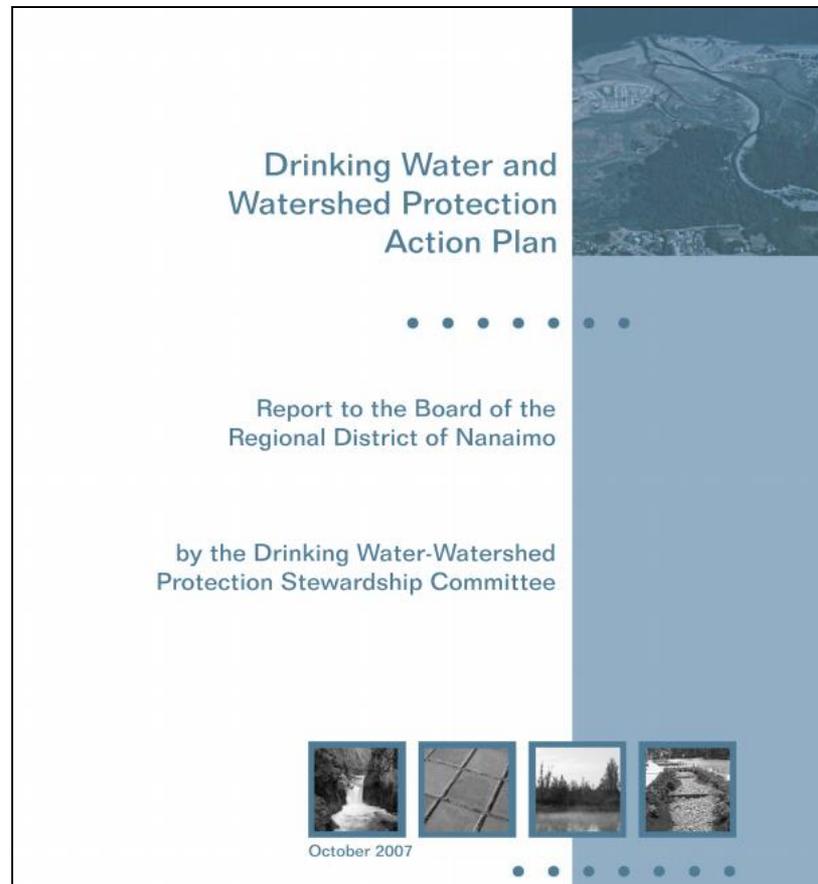
- **February 28 & March 1, 2018**
- Knowledge Transfer & Exchange workshop @ VIU
- Nanaimo Lowlands Aquifer Characterization Study (Geological Survey of Canada)
- Audience: practitioners, planners, hydrogeologists



# Correspondence

# New Business...

- Drinking Water & Watershed Protection Action Plan Update to take place in 2018



# Thank you!



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