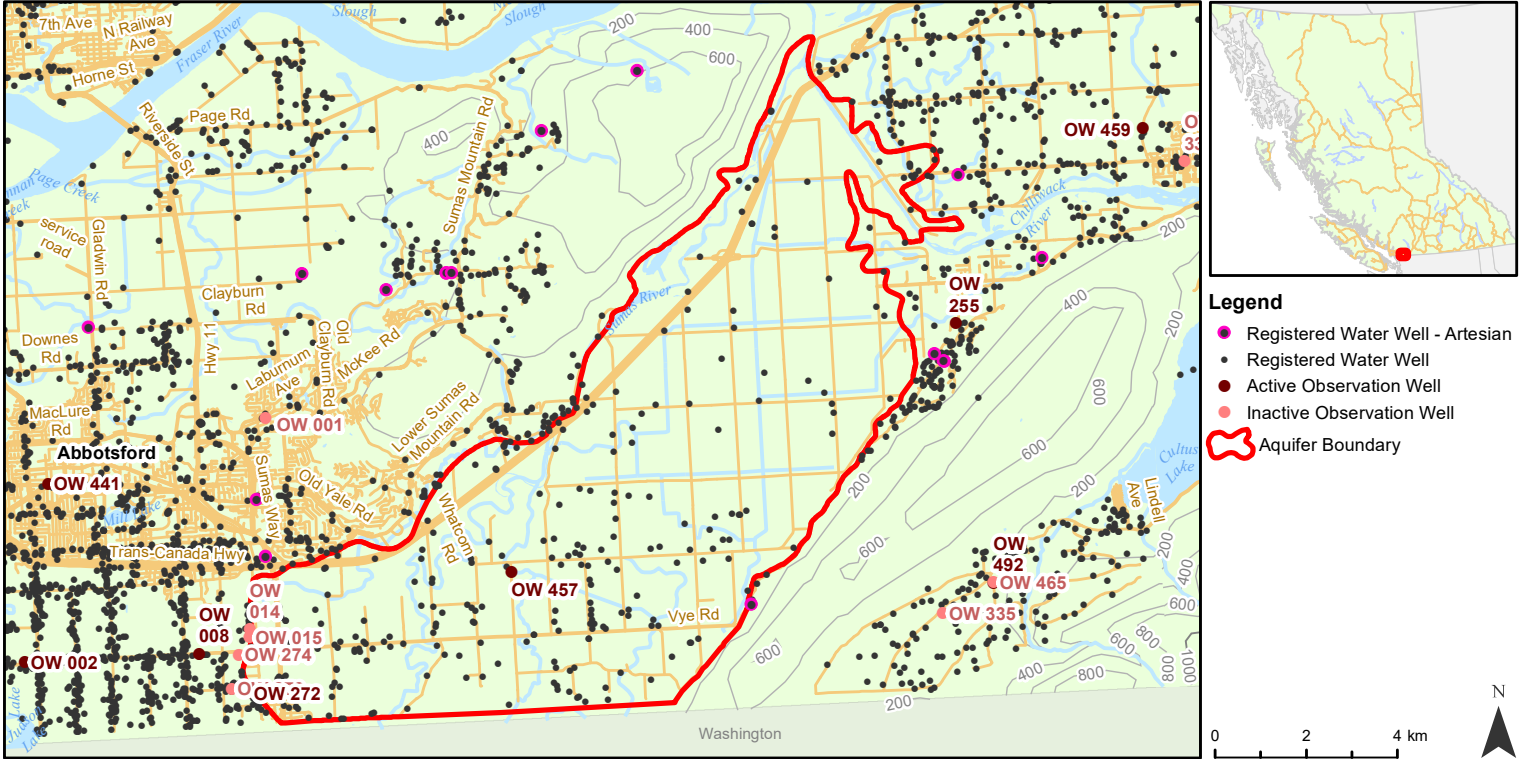


Aquifer #21

Sumas Prairie



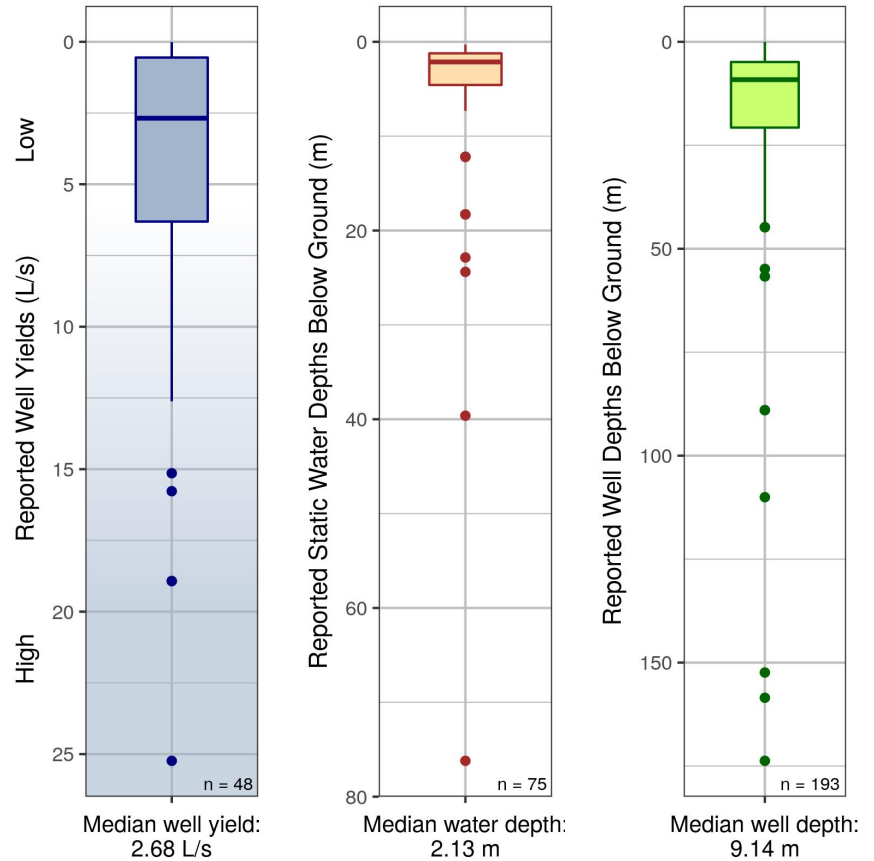
Aquifer Description (Mapping Report - 2012):

Predominantly unconfined fluvial or glacio-fluvial sand and gravel Aquifers found along major rivers of higher stream order with the potential to be hydraulically influenced by the river (subtype = 1a).

Aquifer Details

Region	South Coast
Water District	New Westminster
Aquifer Area	97.8 km ²
No. Wells Correlated to Aquifer	194
Vulnerability to Contamination	Moderate
Productivity	Moderate
Aquifer Classification	IIB
Hydraulic Connectivity ¹	Likely
Aquifer Stress Index	Less stressed
No. Water Licences Issued to Wells	1
Observation Wells (Active, Inactive)	457

¹ Based on broad regional assessment



Disclaimer: Use of information from Aquifer factsheets (accessed by BC government website) is subject to limitation of liability provisions (further described on that website). That information is provided by the BC government as a public service on an "as is" basis, without warranty of any kind, whether express or implied, and its use is at your own risk. Under no circumstances will the BC government, or its staff, agents and contractors, be responsible or liable to any person or business entity, for any direct, indirect, special, incidental, consequential or any other loss or damages to any person or business entity based on this factsheet or any use of information from it.

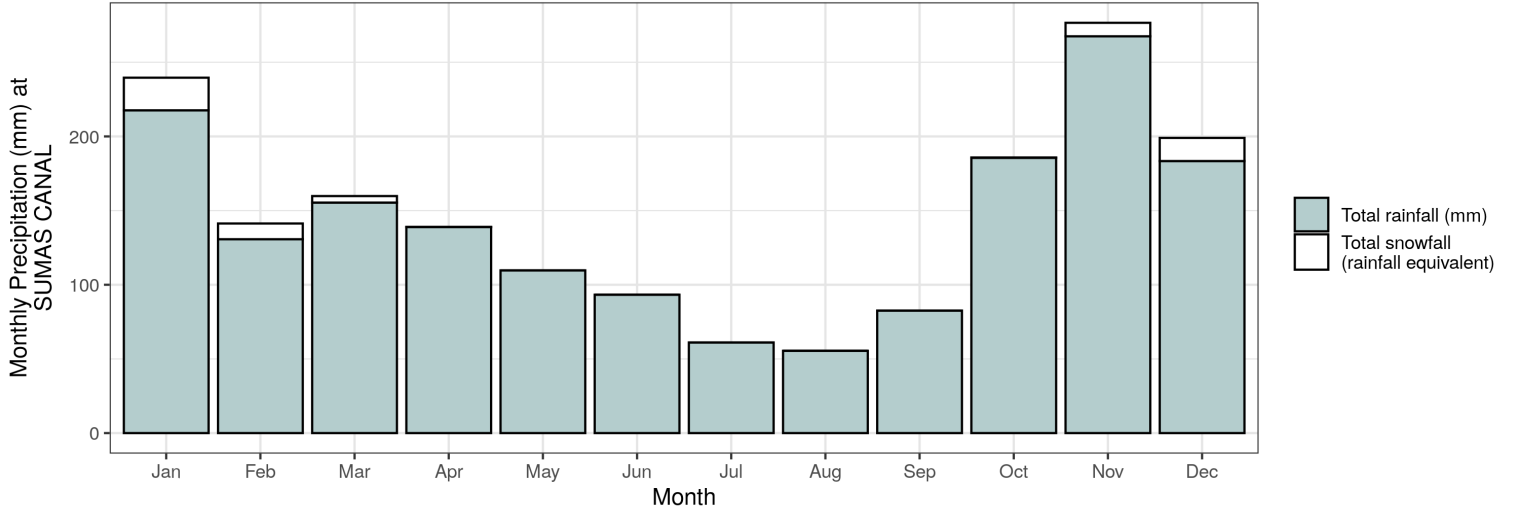
Detailed methods for all figures are described in the companion document ([Aquifer Factsheet - Companion Document.pdf](#)).

Factsheet generated: 2020-08-06. Aquifers online: <https://apps.nrs.gov.bc.ca/gwells/aquifers>.

Monthly Groundwater Level¹ with Precipitation from Climate Normals²

¹ No Monthly Water Level Summary (only 3 years of data; 2017-2020)

² Climate Normals Based on SUMAS CANAL Environment Canada Weather Station (1981-2010)

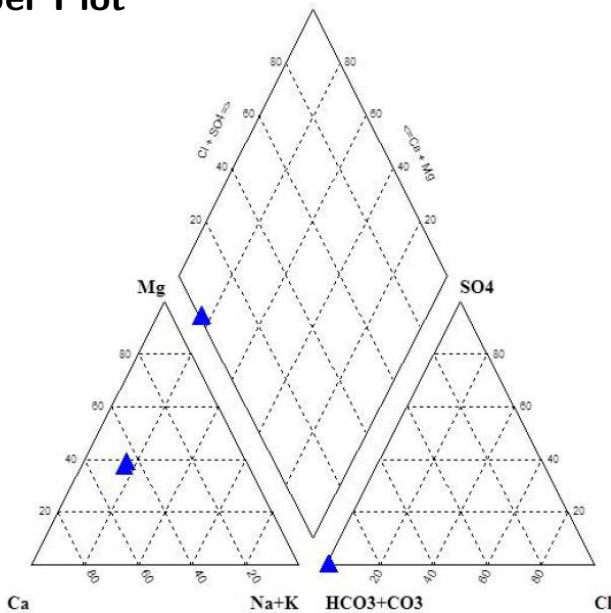


Groundwater Levels and Long-term Trend

Graph not available
(Not enough data)

For more information regarding trends in groundwater levels see [Environmental Reporting BC](#)

Piper Plot



The groundwater samples are typically of the Ca-Mg-HCO₃ type. Ca & Mg are the dominant cations, which indicate a less evolved/short flow path recharge area type of groundwater. The fact that HCO₃ is the dominant anion shows the source is primarily recent precipitation in the partially confined sand and gravel aquifer #21. For EMS water chemistry data, EMSID E307047.