

ATTRIBUTE	VALUE/DESCRIPTION	¹⁰ REFERENCE(S)
¹ Aquifer Identification		
BC MOE Number:	461	WRA, BC MOE, 2007
Descriptive Location (Name):	Mission Creek valley	ACW, BC MOE, 2007
² BC MOE Classification:	IIIB	WRA, BC MOE, 2007
Aquifer Type:	Confined	ACW, BC MOE, 2007
Aquifer Dimensions		
¹ Approximate Size (km ²):	12 km ²	ACW, BC MOE, 2007
³ Estimated Avg. Thickness (m):	Unconfirmed	
³ Est. Avg. Bottom Depth (m):	Unconfirmed	
Stratigraphy and Geology		
³ Aquifer Materials:	Sand and gravel	ACW, BC MOE, 2007
³ Overlying Materials:	Confining Unit is "till", thickness from 4 m to 75 m (avg = 29 m).	ACW, BC MOE, 2007
³ Underlying Materials:	Unconfirmed	
⁴ Aquifer Depositional Environment:	4b	ACW, BC MOE, 2007
⁵ Water Well Statistics		
Number of Wells in Aquifer:	Approximately 31	ACW, BC MOE, 2007
Average Well Depth (m):	39 m (range: 12 to 104 m)	ACW, BC MOE, 2007
Average Yield (L/s):	0.6 L/s (range: 0.06 L/s to 3 L/s)	ACW, BC MOE, 2007
Average Depth to Water (m):	25 m (range: 0 to 49 m)	ACW, BC MOE, 2007
Aquifer Hydraulic Properties and Information		
⁶ Hydraulic Conductivity (m/s):	10 ⁻⁴ to 10 ⁻³ m/s (1 test)	Draft aquifer test analyses, BC MOE, 2007
⁶ Transmissivity (m ² /s):	10 ⁻³ to 10 ⁻² m ² /s (1 test)	Draft aquifer test analyses, BC MOE, 2007
⁶ Storativity or Specific Yield:	Unconfirmed	
⁷ Hydraulic Communication with Other Aquifers:	Possibly proximal Kelowna area aquifers (463), possibly adjacent bedrock aquifer 473.	Inferred for this report.
⁸ Recharge Processes:	Inferred types: C, E, possibly B	ACW, BC MOE, 2007. Inferred for this report.
⁹ Other Aquifer Information		
Models:	Stratigraphic 3-D model in progress	GSC, 2007, pers. comm..
Geochemical Data:	None Identified	
Flow Direction/Gradient:	Unconfirmed	
Associated Watersheds:	Mission Creek	Map 5, Appendix I of this report.

ACW = Draft Aquifer Classification Worksheets, WRA = Water Resources Atlas, WL = well logs (from Wells Database)

The above Aquifer Information Table is part of the report: Groundwater and Hydrogeological Conditions in the Okanagan Basin, British Columbia, A State-of-the-Basin Report, by L. Neilson-Welch and D.M. Allen, December, 2007. Aquifer Information Tables are subject to all limitations discussed in the report as well as limitations and footnotes listed at the end of this appendix.