

ATTRIBUTE	VALUE/DESCRIPTION	¹⁰ REFERENCE(S)
¹ Aquifer Identification		
BC MOE Number:	261	WRA, BC MOE, 2007
Descriptive Location (Name):	Marron Valley	ACW, BC MOE, 2007
² BC MOE Classification:	IIB	WRA, BC MOE, 2007
Aquifer Type:	Unconfined	ACW, BC MOE, 2007
Aquifer Dimensions		
¹ Approximate Size (km ²):	5 km ²	ACW, BC MOE, 2007
³ Estimated Avg. Thickness (m):	Approximately 25 m	Selected WL, BC MOE, 2007
³ Est. Avg. Bottom Depth (m):	Approximately 37 m	
Stratigraphy and Geology		
³ Aquifer Materials:	Highly variable deposits of gravel, sand and silt. Significant layering of fine to coarse deposits.	Selected WL, BC MOE, 2007
³ Overlying Materials:	Sand and/or gravel with some boulders/cobbles, silt, clay, or topsoil.	Selected WL, BC MOE, 2007
³ Underlying Materials:	Inferred to be bedrock (aquifer 260)	Selected WL, BC MOE, 2007
⁴ Aquifer Depositional Environment:	4a	ACW, BC MOE, 2007
⁵ Water Well Statistics		
Number of Wells in Aquifer:	Approximately 36	ACW, BC MOE, 2007
Average Well Depth (m):	39 m (range: 8 to 91 m)	Selected WL, BC MOE, 2007
Average Yield (L/s):	3.4 L/s (up to 38 L/s)	Selected WL, BC MOE, 2007
Average Depth to Water (m):	16 m (up to 41 m)	Selected WL, BC MOE, 2007
Aquifer Hydraulic Properties and Information		
⁶ Hydraulic Conductivity (m/s):	10 ⁻⁴ to 10 ⁻³ m/s (4 tests)	Draft pump test data, BC MOE, 2007
⁶ Transmissivity (m ² /s):	10 ⁻³ to 10 ⁻² m ² /s (4 tests)	Draft pump test data, BC MOE, 2007
⁶ Storativity or Specific Yield:	Unconfirmed	
⁷ Hydraulic Communication with Other Aquifers:	Possibly aquifer 260	Inferred for this report
⁸ Recharge Processes:	Inferred types: A, B, C, D, E, and/or F	Inferred for this report
⁹ Other Aquifer Information		
Models:	None identified	
Geochemical Data:	None identified	
Flow Direction/Gradient:	Unconfirmed	
Associated Watersheds:	Marron River	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.