Aquifer Information Table — Aquifer 105

ATTRIBUTE	VALUE/DESCRIPTION	[10]REFERENCE(S)
[1]Aquifer Identification		
BC MOE Number:	105	WRA, BC MOE, 2007
Descriptive Location (Name):	NW of Armstrong, North end of Basin (West Side Rock)	ACW, BC MOE, 2007
[2]BC MOE Classification:	IIIB	WRA, BC MOE, 2007
Aquifer Type:	Bedrock	ACW, BC MOE, 2007
Aquifer Dimensions		
[1]Approximate Size (km^2):	2 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:	Fractured bedrock (metamorphic; schist, slate)	ACW, BC MOE, 2007
[3]Overlying Materials:	Modern alluvium, fan, lacustrine, morainal, or undefined deposits (where present). Bedrock exposed at ground surface at some locations.	ACW, BC MOE, 2007
[3]Underlying Materials:	Bedrock	
[4]Aquifer Bedrock Type:	6b	Inferred for this report
[5]Water Well Statistics		
Number of Wells in Aquifer:	Approximately 5	ACW, BC MOE, 2007
Average Well Depth (m):	Approximately 74 m	Selected WL, BC MOE, 2007
Average Yield (L/s):	0.25 L/s (range 0.01 to 0.63 L/s)	ACW, BC MOE, 2007
Depth to Water (m):	12 m (range: 2 m to 23 m)	ACW, BC MOE, 2007
Aquifer Hydraulic Properties and Information		
[6]Hydraulic Conductivity (m/s):	Unconfirmed	
[6]Transmissivity (m^2/s):	Unconfirmed	
[6]Storativity or Specific Yield:	Unconfirmed	
[7]Hydraulic Communication with Other Aquifers:	Possibly proximal aquifer 102	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:	Fe Flow® (numerical hydrogeological model) and a Mixing Cell Model for Deep Creek watershed.	Ping, Wei, and Nichol (UBCO, In progress)
Geochemical Data:	Possible groundwater sampling for general chemistry and isotopes, Deep Creek watershed.	NOGWCA Project (BC MOE, 2007) Ping, Wei, and Nichol (UBCO, In progress)
Flow Direction/Gradient:	Possible measurements from static water level wells, Deep Creek watershed.	NOGWCA Project (BC MOE, 2007)
Associated Watersheds:	Deep Creek	Map 7, 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.