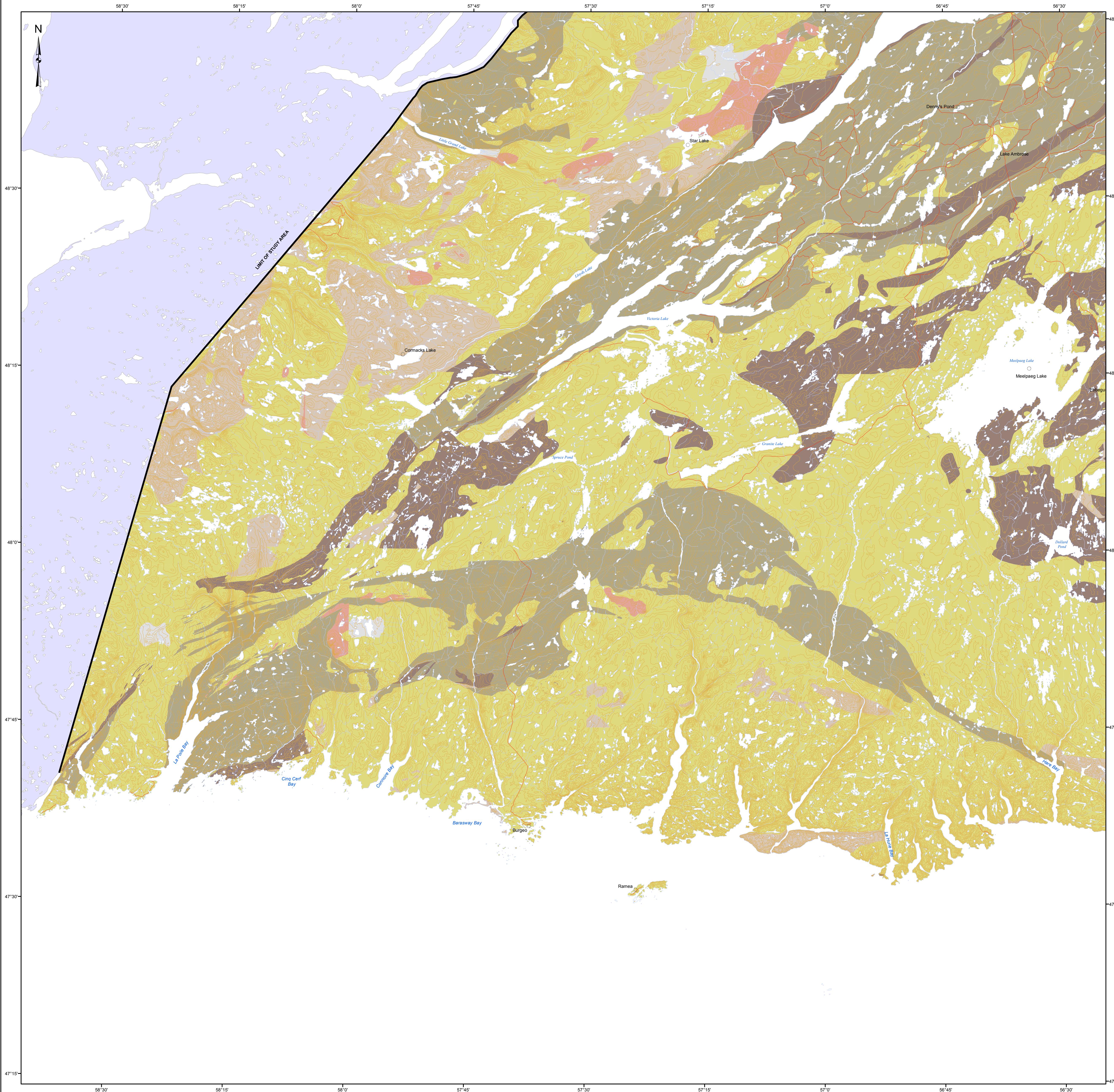


Map No. 3c  
HYDROGEOLOGY  
Central Newfoundland



Hydrostratigraphic Unit	Lithology	Number of Wells	Well Yield Characteristics (L/min)		Well Depth Characteristics (m)	
			Average	Median	Average	Median
<b>Unit 1</b> Low to Moderate Yield Metamorphic Strata	schist, gneiss, quartzite, slate	73	20	6	51	48
<b>Unit 2</b> Low to Moderate Yield Sedimentary Strata	siltstone, conglomerate, argillite, greywacke, with minor volcanic flows and tuff	1403	20	7	51	46
<b>Unit 3</b> Low to Moderate Yield Volcanic Strata	basic pillow lava, flows, breccia and tuff	723	22	9	50	46
<b>Unit 4</b> Low Yield Ophiolite Complexes	mafic and ultramafic intrusions of ophiolite complexes	13	9	7	58	61
<b>Unit 5</b> Low to Moderate Yield Plutonic Strata	granite, granodiorite, diabase, and diorite intrusions	688	22	9	44	37

Surficial deposits - Unconsolidated sediments

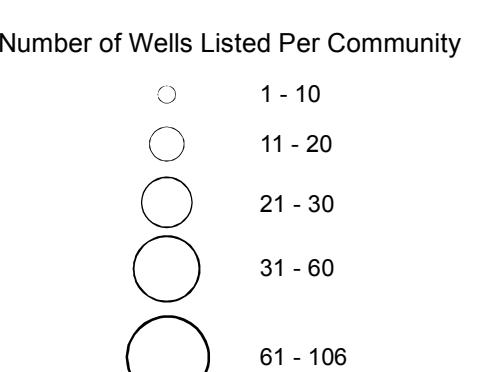
**Surficial Hydrostratigraphic Units**

**Unit A - Till Deposits**

Well yields range from 2 litres per minute (L/min) to 136 L/min and averaged 29 L/min with a median value of 18 L/min. Well depths range from 9 metres (m) to 50 m and averaged 17 m. The available data indicate that on average, wells drilled within Unit A have moderate potential yield.

**Unit B - Sand and Gravel Deposits**

Well yields range from 4 L/min to 683 L/min and averaged 102 L/min with a median value of 50 L/min. Well depths range from 9 m to 49 m and averaged 23 m. The available data indicates that wells drilled within Unit B have a moderate to high potential yield.



Note: See Appendix II for well descriptions

Elevation in feet above mean sea level. Contour interval approximately 100 feet.

**REFERENCE:**

Government of Newfoundland and Labrador, Department of Environment, Water Resources Division, Water Resources Management Division, Water Well Data for Newfoundland and Labrador, unpublished, 2005.

Colman-Saïd, S. P., and Crosby-Whittle, L. V. J. (compilers) 2005. Partial bedrock geology dataset for the Island of Newfoundland (NTS 026, 027, 028, 029, 110, 111, 12A, 12B, 12C, 12D and parts of 01M, 02D). Newfoundland and Labrador Department of Natural Resources, Geological Survey, Open File Nfld/2616 version 6.0.

0 5 10 15 20 25  
Kilometres

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