

LAITUDE 42 + 01 N
 DEPARTURE 6 + 77 W
 ELEVATION 198 metres
 DIP AT COLLAR -90°
 BEARING
 FINAL DEPTH 83.0 metres
 TOTAL DRIFT 4.8
 REMARKS

Vinland Resources Limited
DIAMOND DRILL CORE LOG

Sheet No. 1 of 2

Tests Depth	Dip	Magnetic Bearing	Correcting Bearing
80 metres	-90°		

Project No. _____ Hole No. BJ-01-12
 Property Buchans Junction
 NTS 12A/16 Grid Name Area 4
 Date Started June 5, 2001 Date Completed June 6, 2001
 Contractor Logan Drilling Limited
 Logged By R. M. Graves

DEPTH & LITHOLOGY	DESCRIPTION	REMARKS
0 – 4.8m	<u>Overburden</u>	
4.8 – 8.8m	<u>Basalt / Gabbro?</u> - fine medium grained equigranular, non-magnetic, carbonitized matrix, massive, non-amygdular sericitic veining at 5.5 metres; hosts quartz – calcite veining; 10cm thick calcite – hematite vein at 8.6 – 8.7 metres; lower contact at 70° TCA	
8.8 – 13.4m	<u>Gabbro?</u> - medium grained equigranular mafic rock, grain size 2-3mm, matrix is weakly sericitic and carbonitized, non-magnetic, minor quartz-calcite veining, lower contact lost in broken core	
13.4 – 39.5m	<u>Basalt / Gabbro?</u> - same as at 4.8 – 8.8m; probably fine-medium grained basalt, sericitic on fractures and in matrix, sericitic veining at 25.5m and flooding of rock by sericite at 27.5 metres - minor hematite veining - sericitic over 30 cm at 31.5m - sericite/silica veining over 10 cm at 34 metres - over-riding sericitic alteration of unit from 30-35 metres giving unit a light greenish colour - lower contact sharp; irregular contact – unable to determine dip orientation	
39.5 – 41.9m	<u>Gabbro</u> - very coarse grained, almost pegmatoidal, greenish black in colour, strongly magnetic - lower 20cm of unit hosts what appears to be exsolved sericitic and hematite - lower contact appears sharp at 80° TCA	
41.9 – 45.3m	<u>Basalt / Gabbro</u> - greyish green in colour; fine to medium grained (1-3mm) equigranular; magnetic locally; weakly carbonitized matrix; plagioclase is totally sericitized at 43.4 – 43.7, 43.8 – 44.1 and 44.3 – 45.3	
45.3 – 47.9	<u>Alteration Zone</u> - zone of alteration comprising sericitic, silica, hematite and calcite - calcite veining at 45.3 – 45.4 - complete sericitic alteration of wall rock from 45.4 – 46.1 - silica – sericitic – calcite – hematite – chlorite breccia zone from 46.1 – 47.6; 2-3% pyrite at 46.8 metres - weakly sericitized basalt from 47.6 – 47.9 - contact appears to be roughly orthogonal to core axis	
47.9 – 48.5	<u>Gabbro</u> - same gabbro as at 39.5 – 41.9	

	- lower contact is gradational over a few cm	
48.5 – 56.2	<u>Altered Basalt / Gabbro?</u> - moderately sericitized basalt/gabbro varying from fine – medium grained equigranular - a 1-3cm thick sericitic calcite breccia vein parallels core axis from 52 – 53 metres - unit varies from non-magnetic to strongly magnetic - matrix is only weakly carbonitized - hematite alteration frequent, possible alteration of pyroxene - 1 –2 cm thick calcite breccia vein from 55.8 – 56.1 of 10° TCA	
56.2 – 69.3	<u>Vari-textured Gabbro</u> - dark green in colour, strongly magnetic, coarse grained predominately but also fine and medium grained equigranular; various textures have contacts that are gradational; unit tends to be plagioclase megacrystic, plagioclase altered to sericitic; hematite alteration common – possible alteration of pyroxene; 4cm thick sericitic – silica – epidote vein at 61 metres - unit is 10-15% disseminated hematite - fine grained sections in the gabbro that grade into coarser areas - epidote veining at 62.0 and 65.0 metres - 10cm thick sericitic vein at 63.5 metres, contacts are orthogonal to core axis - silicia/jasperoidal silica breccia from 65.2 – 66.0 metres - lower contact is gradational with unit below	
69.3 – 71.6	<u>Volcanoclastic Sediment?</u> - Greenish grey in colour, fine grained, hosts 3-5% plag fragments .5 – 1 mm in diameter, magnetic, texture of unit appears to suggest it is detrital; carbonitized matrix - Lower 40cm is fine grained green coloured sediment - Lower contact at 60° TCA	
71.6 – 80.6m	<u>Mafic Dyke</u> - Dark green–black, massive, strongly magnetic, upper contact appears to be chilled over .5 metres, fine grained equigranular, non – amygdular, minor epidote veining, magnetite oxidized to brownish colour - Lower contact chilled	
80.6 – 83.0m EOH	<u>Mafic Tuff</u> - Dark green, massive, magnetic, black lapilli sized fragments	