

LATITUDE 2 + 00 N
DEPARTURE 0 + 70 E
ELEVATION 160 metres
DIP AT COLLAR -55°
BEARING 133°
FINAL DEPTH 137.0 metres
TOTAL DRIFT 9m CORE SIZE NQ
REMARKS Gravity anomaly may be explained by presence of gabbro

Vinland Resources Limited
DIAMOND DRILL CORE LOG

Sheet No. 1 of 2

Tests Depth	Dip	Magnetic Bearing	Correcting Bearing

Project No.

Hole No. BJ-00-10

Property

Buchans Junction

NTS

12A/16

Grid Name

Date Started

Apr 28, 2000

Date Completed

Apr 29, 2000

Contractor

Logan Drilling Limited

Logged By

R. M. Graves

DEPTH & LITHOLOGY	DESCRIPTION	REMARKS
0 – 9m	Overburden	
9 – 9.40m	Volcanoclastic Sediment - green, fine grained sedimentary matrix, larger sub-angular clasts of sedimentary material ranging from 5mm – 20mm in size - lower contact appears to be 90° TCA	
9.4 – 12.7m	Siltstone - green, massive, sedimentary bedding at 65° TCA, graded bedding not seen - lower contact at 85° TCA - rocks younging up the hole ?	
12.7 – 17.2m	Volcanoclastic Sediment - unit comprises a single sedimentary layer - unit is fine grained in upper 1 metre and grades rapidly into coarser rock being generally medium grained equigranular, trace pyrite - fragments are predominately felsic - bedding at 65° TCA - graded bedding indicates rocks are younging up the hole	
17.2 – 18.3m	Basalt - fine grained, massive, dark green, lower contact at 80° TCA	
18.3 – 32.5m	Felsic Crystal Lithic Lapilli Tuff - grey, non-magnetic, massive, lacks fabric, matrix grain size is generally 2-3mm, hosts angular felsic fragments varying in size from 1-3cm, fragments comprise approximately 5% of unit - crystal component of unit is quartz and feldspar - lower contact at 30° TCA - equigranular nature of matrix gives unit an intrusive appearance - hosts 2-5% chlorite	
32.5 – 33.1m	Mafic Volcanic - dark green, massive, weakly magnetic, hosts quartz-calcite veining	
33.1 – 40.0m	Felsic Crystal Lithic Lapilli Tuff - color varies from grey to pink, massive, grain size of matrix is 2-3mm, unit hosts 5-20% pink to grey felsic clasts, clasts are angular – sub-angular, crystals are quartz and feldspar, hosts 5% chlorite - trace pyrite at 36.7 metres - equigranular nature of unit imparts intrusive appearance to rock, bottom 10cm of unit is finer grained then rest of the rock	

40.0 – 45.0m	<u>Mafic/Intermediate Volcanic</u> - green, massive, weakly magnetic; intensely epidotized from 42.1 – 42.5 metres, hosts 1-3% chloritic amygdules ?, from 53.5 – 45.0 metres units hosts 1-2% light brown mineral (sericite?)	
45.0 – 56.9m	<u>Mafic Volcanic</u> - dark green, fine grained, non-magnetic, intense chloritic and sericitic alteration - pinkish dyke rock at 46.9 – 47.0, 49.6 – 49.9, 51.2 – 51.4 and 52.1 – 57.3 which is variably magnetic - minor sericite veining - trace pyrite at 54.2 metres - lower contact sharp and at 75° TCA	
56.9 – 59.1m	<u>Mafic/Intermediate Dyke</u> - greenish grey in colour, upper contact sharp and lower is gradational over 5cm, medium to coarse grained equigranular, matrix is sericitic, hosts 5% chlorite crystals, hosts 2-3% of a white anhedral mineral (leucoxene ?)	
59.1 – 83.0m	<u>Mafic/Intermediate Volcanic</u> - fine grained, equigranular, weakly magnetic, pyrite on fracture at 62.0 metres, plagiophyric locally as at 63.8 – 64.5 and 76.5 – 77.5m - strongly sericitized at 65.2 – 65.5m, sericitic alteration weak but pervasive in unit, minor epidote veining - zones of epidote – silica veining from 78 – 81.0 metres, pyrite in silica at 78.4 metres - 2cm thick dark sericitic zone at 82.5 metres - lower contact is arbitrary, simply colour change to darker volcanic	
83.0 – 120.8	<u>Mafic Volcanic/Gabbro</u> - dark green, fine grained equigranular, non-magnetic, very little calcite in matrix, weak pervasive sericitic alteration, massive, very little fabric, minor sericite veining - coarsens to a medium grained equigranular at 94.0 metres to 120.8 metres making this rock appear to be a gabbro - hematitic veins at 99.9 and 100.5 metres - hematitic matrix from 101.3 – 102.5m and 115.9 – 116.5m - banded silica-sericite vein 3cm thick at 105.7m is 45° TCA - plagioclase crystals are green due to the pervasive sericitization - quartz-calcite veining common and numerous chlorite veins from 116 – 120m - lower contact lost in broken core, faulted contact	
120.8 – 122.4	<u>Quartz-Phyric Felsic Volcanic</u> - fine grained, pinkish orange in colour, 1-2% quartz eyes that are 1mm in diameter, core extensively broken - bottom 20cm is a massive hematite band	
122.4 – 137.0 EOH	<u>Quartz-Phyric Felsic Volcanic</u> - orangish pink – grey in colour, matrix has grain size of 1-2 mm and quartz eyes are 2-4 mm in diameter; texture looks intrusive, chlorite on fractures; 5% chlorite	