

**GEOLOGICAL CONSULTANTS LTD
DIAMOND DRILL CORE LOG**

Sheet No. 1

UTM CO-ORDINATES 513892E, 5409342N
 GRID CO-ORDINATES L139E, 93+95N
 ELEVATION 273M
 DIP AT COLLAR -70°
 BEARING 180°
 TOTAL DEPTH 57.0 CORE SIZE NQ
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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_____	_____	_____	_____
_____	_____	_____	_____

Project No. _____ Hole No. BR-2K-05-06
 Property Buchans - Middle Branch East
 NTS 12A/15 Grid Name Buchans East
 Date started 11/12/2000 Completed 12/12/2000
 Contractor Logan Drilling

 Logged by J. Harris

Depth & Lithology	Description	Alteration	Mineralization
0 - 5.3m	Overburden		
4.3 - 7.1m	Mafic volcanic - dark green, foliated at 70-80° to the core - flattened calcite amygdules - pyroxene phenos - stronger foliation (weak shear?) at 7.1m		
7.1 - 8.5	Tuffaceous sediment - grey to brown, felsic - small grains and pebbles, somewhat rounded - some chloritic and sericitic pumice - conformable contact	quartz-sericite-chlorite-pyrite alteration	8-10% pyrite in the matrix and in clasts minor sp and ga
8.5 - 13.6	Mafic tuff - dark green lithic tuff, fine grained matrix - weakly foliated to layered at 70-80° to the core - locally magnetic - a few intermediate fragments - weak shear/fault at 13.6	locally chloritic	minor py

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
13.6 - 17.0	Mafic volcanic, andesite - dark green, fine to medium grained - plagioclase and pyroxene phenocrysts, magnetic - 15.3 - 16.5 purple intermediate or silicified mafic - a few intermediate fragments down to 15.3m - sharp contact at 90° to the core	local epidote	minor py and rare cpy
17.0 - 26.6	Mafic sill or flow - dark green, massive, magnetic - weakly chilled contacts, no foliation - plagioclase phenocrysts		
26.6 - 48.0	Intermediate to mafic fragmental - green to purple, magnetic - silicified purple intermediate fragments with plagioclase phenocrysts in a chloritic matrix - some more massive intermediate zones - occasional calcite amygdulites - locally foliated at 70-80° to the core - 31.1 - 31.3 rubbly core, some fault breccia - 37.0 - 43.4 fractured with calcite infill - fragments become pink and more felsic looking downward - gradational contact	epidotized fragments down to 29.5 - local moderate to strong quartz-sericite-chlorite alteration increasing downward altered rims on fragments	26.6 - 29.5 ~1% py 29.5 - 48.0 1-3% pyrite and locally 5-8% disseminated in altered matrix and as very fine py in altered fragments
48.0 - 53.1	Altered intermediate fragmental - grey to brown, foliated at 80-90° to the core - felsic looking but likely a more altered version of the overlying unit - coarse fragmental textures evident locally - 49.4 - 49.7 chloritic mafic, possible sheared contact at 49.7 - gradational contact at 53.1	strong quartz-sericite-chlorite-pyrite alteration	5-15% pyrite minor sp and ga cpy in a 2-3mm calcite veinlet at 51.6m 51.7 - 53.1 barite fragments or broken veins
53.1 - 57.0	Intermediate to mafic fragmental - as for 26.6 - 48.0	patchy alteration to 54.5m	53.1 - 54.5 2-5% pyrite in altered fragments and zones 54.5 - 57.0 ~1% py
57.0	End of hole		

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