

**GEOLOGICAL CONSULTANTS LTD
DIAMOND DRILL CORE LOG**

Sheet No. 1

UTM CO-ORDINATES 512040E, 5410760N
 MINE GRID CO-ORDINATES ~15331N, 12000E
 ELEVATION ~275M
 DIP AT COLLAR -90°
 BEARING _____
 TOTAL DEPTH 302M CORE SIZE NQ
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>302M</u>	<u>-84°</u>	<u>162°</u>	<u>119°</u>
_____	_____	_____	_____
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Project No. _____ Hole No. BR-2K-06-02
 Property Buchans Airport
 NTS 12A15 G id Name Mine Grid
 Date started 05/12/200 Completed 09/12/2000
 Contractor Logan Drilling

 Logged by J. Harris

Depth & Lithology	Description	Alteration	Mineralization
0 - 32.5	Overburden		
32.5 - 128.5	mafic volcanic - dark green, locally light green - well foliated at ~80° to the core, local kink folding - elongate calcite and quartz amygdulcs - some broken calcite and quartz veinlets - fine grained, black, magnetic mafic dykes at 41.2 - 41.3, 42.8 - 43.7 and 48.1 - 49.2, dykes are foliated - 46.0 - 58.6 finer grained and lighter coloured, may be tuffaceous - 58.6 - 87.8 more massive with silica amygdulcs and local epidotized fragments, local magnetic bands - 87.8 - 128.5 similar to 32.5 - 46.0 calcite and silica amygdulcs, strongly foliated, some possible dykes - moderately magnetic, with some strongly magnetic zones - 102.3 - 102.6 calcite vein and vein breccia - 108.0 - 109.3 light grey-green, sericitic, more felsic? - foliation more commonly kink folded below 110.0m and varies from 50-80° to the core - 127.5 - 128.5 mixed mafic and felsic, sheared contact?	chlorite and local sericite epidotized 58.6 -	occasional py 83.3 - 83.5 pink felsic "alteration", 1-2% 108.8 - 109.3 2-3% py some sp and ga near 108.7 sulphides disseminated and as thin conformable bands occasional narrow (1-5cm) "felsic" bands with py, sp and ga below 109.3m

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
128.5 - 140.1	Prominent quartz rhyolite - brown, with quartz and feldspar phenos - moderately foliated at 50-60° to the core - 128.5 - 128.8 fine grained pink felsic - 140.0 - 140.1 fine grained "chilled" contact - 137.0 - 138.5 some brittle fracture with calcite infill	black chlorite bands and flecks locally	rare pyrite
140.1 - 171.2	Rhyolite, part of prominent quartz unit - buff to pink - small to medium size quartz phenos - flecks of sericite and locally chlorite - 143.7 - 144.8 fault breccia and gouge - finer grained with occasional phenos below 152.0 - 161.2 - 171.2 moderate to strong foliation at about 50° to the core - 169.8 - 170.1 and 170.5 - 170.8 chloritic mafic zones	moderate quartz-sericite alteration local bright green "fuchsite"	140.1 - 152.0 minor py 152.0 - 171.2 2-3% pyrite and locally >5%, occasional sp associated with calcite veinlets
171.2 - 175.1	Mafic to intermediate volcanic - green to brown, some felsic zones, inclusion as above - wisps of sericite and chlorite, a few calcite amygdules	moderate sericite-chlorite alteration	local pyritic zones with 1-3%
175.1 - 179.5	Prominent quartz rhyolite - brown, with large quartz phenos - 179.4 - 179.5 fine grained "chilled" contact		175.1 - 175.3 3-5% fine py minor py below 175.3
179.5 - 183.2	Felsic tuff, prominent quartz - grey-green and buff - small and large quartz crystals, some elongate shards and fragments - 182.0 - 183.2 more prominent quartz crystals, may be rhyolite	weak to moderate sericite - chlorite alteration	minor py
183.2 - 198.0	Felsic volcanic - fine grained, buff to light brown - likely related to PQ unit, quartz crystals/phenos - locally tuffaceous and may be rhyolite locally - minor calcite veining	weak quartz-sericite alteration some chlorite alteration	minor py
198.0 - 202.3	Intermediate volcanic - light green, some quartz crystals throughout - tuffaceous with wispy chlorite and sericitic shards, (may be produced by shearing) - foliated at 45° to the core - 200.0 - 200.2 felsic "inclusion"	moderate sericite and chloritic alteration	∠ 1% pyrite as local concentrations

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Sheet No. 3

Depth & Lithology	Description	Alteration	Mineralization
202.3 - 254.7	Interbanded felsic and intermediate tuff - similar to above units, grey, buff and light green - moderate to strong foliation at 45-60° to the core - sericite and locally chlorite wisps - contacts between units are indistinct due to shearing and alteration - 213.3 - 214.8 light green intermediate - 214.8 - 217.2 coarse fragmental, strongly sheared - foliation, shearing increasing downward, commonly disrupted - 218.6 - 218.65 chilled mafic dyke - 219.3 - 220.8 fault-shear zone, gouge, breccia and ductile shearing - mainly felsic below 220.8 - below 247.4 quartz feldspar porphyry - fragmental, chloritic	moderate quartz-sericite ± chlorite alteration local green fuchsite strong quartz-sericite ± chlorite alteration below 219.3 stronger chlorite alteration below 247.4m	3-5% pyrite locally 10%, more py in felsic zones local sp, ga and cp disseminated, along fractures and with calcite and quartz veinlets 212.0 - 213.3 local bands or veins with 3-5% base metal sulphides 219.3 - 220.8 2-4% py and local sp, ga and cp 220.8 - 247.4 local sp, ga and cp 233.45 - 233.8 2-3% sp, ga and cp conformable bands and as cross cutting veinlets, with silicification (stockwork) 238.9 - 239.0 silicified band with 30-40% sulphides (py, sp, ga and cp) 241.7 - 241.85 as for 238.9 - 239.0 247.4 - 248.3 8-10% py as veins and bands with chlorite and silica, minor cp 248.3 - 254.7 2-5% py and local cp with chlorite
254.7 - 278.3	Mafic volcanic - dark green to black, foliated at 55-65° to the core - commonly magnetic - generally fine grained, with blebs and band of epidote - some coarser zones with plagioclase and a few quartz crystals - 260.6 - 261.0 rubbly with some fault gouge - pyroxene crystals locally	patchy strong black chloritic alteration epidote alteration 255.2 - 255.6 chloritic and pyritic 256.6 - 261.5 mainly chloritic and pyritic 265.4 - 266.8 moderately chloritic and pyritic 274.8 - 275.8 chloritic and pyritic	8-10% pyrite and < 1% cp with chloritic zones < 15% py and 1-3% disseminated magnetite elsewhere 266.5 - 266.6 1-2% cp and 1-2% py with quartz veining at 267.4 and 267.75 thin sp veinlets at 50°
278.3 - 285.4	Felsic fragmental, lithic tuff - grey to grey green - foliated at 60-70° to the core - large quartz phenos (semi-prominent) - some chloritic more mafic fragments - wispy chloritic "pumice"? - faulted contact at 285.4	moderate quartz-sericite-chlorite alteration	1-2% pyrite, disseminated and as thin bands with chlorite

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Sheet No. 4

Depth & Lithology	Description	Alteration	Mineralization
285.4 - 288.2	Felsic sill, rhyolitic - pink to brown, soft and sericitic, fine grained - epidotized feldspar phenos - intruded on Airport thrust	moderately sericitic	
288.2 - 302.0	Mafic volcanic - red to green, hematitized, mafic fragmental - common calcite, amygdules, veins, and matrix - 288.2 - 288.3 mylonitic, banding at 80-85° to the core, includes some arkosic bands - no foliation below 288.3	hematitized, local epidote alteration	
302.0	End of hole		

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PROJECT NO. _____

PROPERTY Airport Zone

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