

**GEOLOGICAL CONSULTANTS LTD
DIAMOND DRILL CORE LOG**

Sheet No. 1

UTM CO-ORDINATES 5411100 N 512882 E
 GRID CO-ORDINATES 11100 N 12882 E
 ELEVATION ~ 255 m
 DIP AT COLLAR -90°
 BEARING _____
 TOTAL DEPTH 160.9 m CORE SIZE NQ
 REMARKS The depth 158.4, drilled with metric rods but
marked as if drilled with Imperial rods

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

Project No. N-4317 Hole No. BR-2K-06-01
 Property Buchans Airport
 NTS 12A/15 Grid Name _____
 Date started 13/03/2000 Completed 03/2000
 Contractor Lantech Drilling Services
 Logged by J. Harris - 2000

Depth & Lithology	Description	Alteration	Mineralization
0 - 18.0 m	Overburden		
18.0 - 31.5 m	Interlayered mafic and felsic volcanics - dark green to almost black - foliated at 75 - 80° to the core - mafic bands have flattened - elongate blebs of epidote - felsic to intermediate zones are hard and cherty, may include some cherty sediment - flattened fragments evident locally - lithic tuff? - 22.2 - 31.5 m - commonly felsic to intermediate		2 - 4% disseminated pyrite 23.5 - 25.5 m ~ 7-8% local disseminated magnetite minor galena, sphalerite and chalcopryrite @ 20.1 with a thin quartz-epidote band minor disseminated cpy locally, i.e. between 27.0 and 28.0 m
31.5 - 94.9 m	Mafic volcanic - dark green, foliated at 75 - 85° to the core - small elongate calcite - quartz "amygdules" - local broken plag crystals - a few black to grey-green cherty sediment or felsic interbands (look like sediment) - fine grained massive sections may be sills or dykes, i.e. 49.1 - 49.9 m - 61.2 - 62.7 m - light grey felsic or altered mafic interbands - 81.0 - 81.8 m - hard, fine grained felsic to intermediate - ~ 86.0 - 87.5 m - fragmental - some brown, flattened felsic fragments - starting at ~ 90 m the foliated decreases to ~ 60° to the core	epidote veining common 56.0 - 60.0 m weakly hematitized, mainly along fractures	<1% disseminated py local magnetite @ 49.0 m cpy with a thin concordant quartz vein rare fleck cpy elsewhere @ 61.8 m sp, ga and cpy with a thin quartz "vein" in a felsic band occasional zones with 1 - 2% py @ 69.7 m minor cpy, ga and sp with quartz 82.9 - 83.3 m and 83.6 - 83.8 m 1- 2% sp, ga and cpy with quartz - sericite bands

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
94.9 - 160.9 m	Mafic fragmental, lapilli tuff - medium to dark green, fragmental texture in part due to deformation - epidotized mafic and a few felsic fragments in a mafic matrix - fragments commonly sheared and flattened - locally porphyritic with pink feldspar - small shear @ 30° to the core @ 101.5 m - 104.8 - 109.6 m - sheared - variable foliation, commonly along the core - below 109.6 m - foliation is mostly at ~ 70° to the core - 125.6 - 127.1 m - strong foliation/shearing at 55 - 65° to the core, some bleached felsic looking zones - minor fault gouge @ 126.0 m , 129.3 m and 134.4 m - local fine grained massive mafic zones - 134.4 - 134.9 m - weakly hematitized, calcite veining - 141.0 - 141.1 m - fault gouge and breccia - some felsic fragments with quartz and feldspar phenos, some resemblance to prominent quartz unit - 160.9 m E.O.H. -		rare disseminated py, cpy and bornite

HOLE NO. BR-2K-06-01

059061'

PROJECT NO. N-4317

PROPERTY Buchans Airport

[illegible]