

**GEOLOGICAL CONSULTANTS LTD
DIAMOND DRILL CORE LOG**

Sheet No. 1

UTM CO-ORDINATES <u>523149E, 5406315N</u>	Tests Depth <u>194m</u>	Dip <u>-54°</u>	Magnetic Bearing <u>176°</u>	Corrected Bearing <u> </u>	Project No. <u>4973m/Vol 1/Fol 62</u> Hole No. <u>LS-2K-006</u>
GRID CO-ORDINATES <u>L228E, 7200N</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Property <u>Buchans - Little Sandy</u>
ELEVATION <u>210m</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	NTS <u>12A/15</u> Grid Name <u>Little Sandy</u>
DIP AT COLLAR <u>-52°</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Date started <u>07-06/2000</u> Completed <u>09/06/2000</u>
BEARING <u>155°</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Contractor <u>Lantech Drilling Services</u>
TOTAL DEPTH <u>197-0</u> CORE SIZE <u>NQ</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
REMARKS <u>IP source partially replaced by PQ intrusive?</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Logged by <u>J. Harris</u>

Depth & Lithology	Description	Alteration	Mineralization
0 - 5.9m			
5.9 - 52.7	Dacite to rhyolite - grey and grey-green, fine grained and massive - light grey areas are harder and more rhyolitic, but are likely just more altered - small chlorite flecks and fracture coatings common - fractured and faulted from 5.9 to 7.4 and from 18.5 - 32.5, a number of small gouge and breccia zones - faulted/sheared contact at 52.7 at a low angle to the core, breccia and shearing from 52.0 to 53m	weak to moderate quartz-chlorite-sericite alteration	5.9 - ~39.0m ~1% disseminated pyrite 39.0 - 52.7 1-2% py disseminated and as coarse clots with chlorite pyrite is often associated with black chlorite rare fleck of cpy
52.7 - 106.5	Prominent quartz rhyolite - grey-green to pink, large quartz and a few feldspar phenos - fractured with local gouge and breccia down to 64.2m - fault gouge and breccia 58.8 - 59.6 and 63.8 - 64.2 - mainly pink below 64.2m - 74.2 - 74.6 local fault gouge - 83.0 - 86.9 brecciated/sheared, mainly brittle - 88.1 - 86.6 3-4cm calcite vein along the core - only a few quartz phenos between 64.2 and 74.2 - chilled? - chilled slightly irregular contact at 106.5	moderate chloritic alteration along fractures to 63.8m	~2% pyrite disseminated and along fractures down to 63.8m minor pyrite below 63.8m

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
106.5 - 111.6	Altered intermediate to mafic fragmental - grey to black - possible chloritic pumice - occasional lithic tuff bands evident with some felsic chips and quartz grains	strong quartz-chlorite-sericite alteration	15-20% pyrite, disseminated and as fine grained masses, often with chlorite, heavy - may contain barite occasional cpy towards 111.6
111.6 - 113.9	Felsic flow or sill - grey to buff, fine grained - a few quartz phenos	moderate to strong sericite-quartz-chlorite alteration	2-3% pyrite, minor cpy
113.9 - 118.2	Altered intermediate fragmental (as for 106.5 - 111.6) - very chloritic - local felsic or silicified chips - occasional clast of altered prominent quartz unit	strong chlorite-quartz-sericite alteration	3-5% pyrite 114-80-0115.8 ~1%cpy
118.2 - 121.2	Prominent quartz "rhyolite"? - grey-green, altered - waxy sericite after feldspar phenos - chlorite flecks and fracture coatings - could be boulders in the overlying unit - 118.75 - 118.9 chloritic and pyritic "inclusion" or band of the overlying unit, also 120.7 - 121.0	strong chlorite-sericite alteration	2-4% pyrite local sp, ga and cpy with pyrite and chlorite ie; 119.3 - 119.7
121.2 - 131.0	Altered fragmental rock, as above - very chloritic - some felsic and mafic fragments - 130.0 - 131.0 some faulting and shearing at 40-50° to the core, gouge and breccia at 131.0	strong chlorite-quartz-sericite alteration (128.0 - 131.0 20-30cm lost core)	5-10% pyrite local sp, ga and cpy 122.8 - 124.3 1% sp, ga and cpy with chlorite-pyrite-quartz "veins" 127.2 - 127.5 1-2% cpy and "galena"? (soft sectile metallic, could be chalcocite)
131.0 - 137.7	Sheared fragmental - grey-green and locally pinkish - mafic and felsic fragments, different than overlying units - 131.0 - 132.2 moderate to strong shearing at 50-60° to the core, some gouge coated fractures - 132.2 - 134.0 basaltic dyke/sill, chilled contacts, calcite and chlorite amygdules - 134.0 - 137.7 more obviously fragmental - 136.7 - 137.7 mafic lapilli tuff - sheared at 137.7		local pyritic zones with 3-5% pyrite overall 1-2% pyrite rare cpy

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Sheet No. 3

Depth & Lithology	Description	Alteration	Mineralization
137.7 - 150.6	- Mafic fragmental - pillow breccia and tuffs - shades of green and grey - fragments with calcite, chlorite and silica amygdules - some harder, "silicified" fragments with large silica amygdules - local matrix and beds of fine silty tuff between fragments/pillows - some lithic tuff beds, small mafic chips - 143.6 - 144.2 fine grained tuff bedded at 80-90° to the core - moderately sheared and hematitic at 150.6		rare pyrite
150.6 - 197.0	- Mafic volcanic - dark green to black, minor reddish hematitized zones - small calcite and chlorite amygdules - weakly magnetic locally - common zones of lithic tuff - tightly packed small fragments - occasional small purple intermediate fragment - 158.2 - 158.4 chilled mafic dyke - some areas with abundant small silica amygdules - common small irregular calcite veins and wisps - 176.2 - 176.5 prominent quartz rhyolite fragments - 181.1 - 181.3 moderate shearing at 45-50° to the core - 182.0 - 182.7 strongly sheared at 45° to the core, somewhat hematitic - 185.5 small PQ fragments - 192.7 - 197.0 lithic tuff with a calcite matrix, about 10% matrix		no apparent sulphides except 175.6 - 176.3 15-20% very fine pyrite, pyritic silt?
	197 End of Hole		

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A scatter plot showing the relationship between the number of children in a family (X-axis) and the number of children per family (Y-axis). The X-axis ranges from 0 to 10, and the Y-axis ranges from 0 to 10. The data points are as follows:

Number of children in the family (X)	Number of children per family (Y)
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

PROJECT NO. G4973M / Vol 1, Fol 62

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PROPERTY Buchans - Little Sandy

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