

**GEOLOGICAL CONSULTANTS LTD
DIAMOND DRILL CORE LOG**

Sheet No. 1

UTM CO-ORDINATES <u>524187E, 5406417N</u>	Tests Depth	Dip	Magnetic Bearing	Corrected Bearing	Project No. <u>4973M/Vol 1, Fol 62</u> Hole No. <u>LS-2K-007</u>
GRID CO-ORDINATES <u>L238E, 6850N</u>	<u>180m</u>	<u>-52°</u>	<u>185°</u>		Property <u>Buchans - Little Sandy</u>
ELEVATION <u>~215m</u>					NTS <u>12A/15</u> Grid Name <u>Little Sandy</u>
DIP AT COLLAR <u>-50°</u>					Date started <u>09/06/2000</u> Completed <u>10/06/2000</u>
BEARING <u>155°</u>					Contractor <u>Lantech Drilling Services Ltd.</u>
TOTAL DEPTH <u>188m</u> CORE SIZE <u>NQ</u>					
REMARKS _____					Logged by <u>J. Harris</u>

Depth & Lithology	Description	Alteration	Mineralization
0 - 6.9	Overburden		
6.9 - 18.8	Felsic volcanic? - may be altered mafic - mainly buff and hard, some grey-green zones - some quartz amygdules + phenos - 6.9 - 7.3 fragmental - small fault gouge at 7.5m - very likely bleached and altered mafic down to 7.5m - 7.5 - 10.0 buff and grey, fine grained and massive - 10.0 - 12.3 grey-green andesite to dacite - 12.3 - 18.8 buff, variolitic flow and flow breccia	moderate to strong quartz-sericite ± chlorite alteration	~3-4% pyrite disseminated and as thin stringers local sp, ga and cpy disseminated and as stockwork veining to 1% base metal sulphides from ~11.4 - 12.0 and from 13.4 - 13.9
18.8 - 24.0	Andesite to dacite - green to grey-green - a few chlorite and silica amygdules - fine grained groundmass - a few plag. phenos locally - rubbly with minor fault gouge from 19.5 - 20.0 and from 20.6 - 20.8	weak to moderate quartz-sericite-chlorite alteration	1-3% pyrite mainly along fractures but locally disseminated minor sp, ga and cpy along fractures
24.0 - 28.2	Felsic volcanic as for 12.3 - 18.8 - may be a bleached and altered version of the overlying unit - variolitic, local plag. phenos - steep contact at 28.2 - may be an alteration contact	moderate to strong quartz-sericite alteration	<1% py

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Sheet No. 3

Depth & Lithology	Description	Alteration	Mineralization
88.2 - 133.0	Lapalli tuff to breccia - grey-green and pink - mainly assorted bleached and altered mafic clasts, but some rhyolite clasts - appears to become more mafic downward - chloritic and/or silicic matrix - clasts with silica, chlorite and calcite amygdules - some silicified mafic fragments look felsic - 122.2 - 122.3 dark green siltstone fragment - small fault gouge at 117.4 - 128.4 - 128.6 fault gouge and shearing at ~80° to the core	moderate to strong quartz-chlorite alteration altered fragments	2-3% pyrite disseminated and in amygdules 104.0 - 106.7 <1% sp, ga and cpy in amygdules and along fractures 115.1 - 117.5 10-15% pyrite, disseminated and veining with chlorite 129.7 - 130.7 15-20% pyrite with quartz and chlorite
133.0 - 154.6	Mafic volcanic - dark green to black - locally fragmental - some grey cherty sediment between fragments, pillows? - a few bleached, felsic looking fragments near 133.0 - irregular, thin calcite veinlets throughout	moderate chloritic alteration	2-5% pyrite as disseminated cubes and as blobs and veinlets with chlorite rare fleck of cpy
154.6 - 156.1	Volcanic breccia, felsic - mainly pink and grey rhyolite fragments - a few chloritic mafic fragments - fragments are tightly packed in a chloritic matrix - silica matrix locally - fragments are angular to subrounded		1-2% disseminated pyrite
156.1 - 177.1	Mafic fragmental - green to grey-green, some pink silicified and/or felsic fragments - matrix is commonly silicified but is locally chloritic - some chert fragments or matrix, ie; at 174.5m - 160.4 - 160.5 sheared and brecciated - thin fault gouge at 177.1	moderate quartz-chlorite alteration	2-5% pyrite as disseminated cubes and fine grained masses, (fragments?) local cpy 163.4 - 166.1 <1% cpy (locally 1%)
177.1 - 181.9	Rhyolite - grey, hard; silicic - about 10-15% green chlorite flecks - cut by a network of hairline fractures giving a shattered look	could be silicified mafic	<1% pyrite
181.9 - 188.0	Mafic fragmental - (similar to 156.1 - 177.1) - green to grey-green - some fragments of the overlying unit - 187.0 - 188.0 sheared and brecciated, fault gouge and breccia 187.6 - 188.0	weak to moderate chloritic alteration possible silicification	~1% pyrite
	188.0 End of Hole		

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
28.2 - 36.0	Andesite - light grey-green, fairly soft - fine grained with chlorite amygdules and flecks - locally fragmental - flow breccia - a few quartz amygdules or phenos	moderate sericite-chlorite alteration	~2% pyrite, often with chlorite, rare fleck cpy
36.0 - 39.7	Dacite? - grey to buff, may be a more altered version of the overlying unit - flecks and blobs of chlorite, locally look like pumice - fault gouge at 37.2m	moderate to strong sericite-chlorite-quartz alteration	3-5% pyrite, disseminated and as bands with chlorite
39.7 - 44.4	Rhyolite - buff to light brown - hard and massive with a few small quartz, phenos - brittle fracturing - 41.9 - 42.0 fault gouge and breccia - 42.4 - 42.9 strongly sheared mainly at ~50° to the core	some quartz and chlorite veining along fractures	∠1% pyrite, rare cpy 42.4 - 42.9 3-5% pyrite and local cpy ~2cm band of semi-massive cpy, py at 42.9
44.4 - 49.3	Andesite to dacite - green to grey-green, fragmental - irregular chloritic fragments in a purplish silicic matrix - common faulting to 46.9m	moderate quartz-chlorite alteration	5-8% pyrite and minor cpy disseminated and as network veinlets
49.3 - 65.1	Interbanded rhyolite and andesite to dacite - as for units above - rhyolite from 49.3 - 50.3, 50.6 - 53.1, 54.7 - 56.9 and 58.2 - 58.5 - andesite to dacite is green with a purple tinted silicic matrix, commonly fragmental - fault gouge and breccia 54.3 - 54.5 and 56.9 - 60.2 - 57.4 - 57.5 sheared at 45° to the core	moderate quartz-chlorite alteration	rhyolite zones carry ~ 1% pyrite elsewhere 2-5% py, minor cpy locally
65.1 - 88.2	Rhyolite to dacite - includes some altered mafic - buff to grey, commonly hard - locally fragmental, some due to alteration - 65.1 - 77.9 rhyolitic zones with dacite to altered mafic - 77.9 - 81.2 hard grey rhyolite - mainly rhyolitic below 81.2	strong quartz-chlorite ± sericite alteration	2-10% pyrite and some cpy throughout locally to 1% 72.3 - 73.5 ~10% py 77.2 - 77.4 ~20% py and 1-2% cpy 84.5 - 85.2 ~15-20% py with chlorite, also barite?

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DIAMOND DRILL CORE ASSAYS

SHEET NO. 1 of 1

PROJECT NO. 4973M - Vol. 1, Fol 62

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PROPERTY Little Sandy

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