GEOLOGICAL CONSULTANTS LTD
DIAMOND DRILL CORE LOG

UTM CO-ORDINATES 525570E, 5407728N

GRID CO-ORDINATES L256E, 7475N

ELEVATION 245M

DIP AT COLLAR -50°

BEARING 155°

TOTAL DEPTH 200M CORE SIZE NQ

REMARKS

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
200M	-48°	6°?	

Project No. G4793/4973M Hole No. LS-2K-009

Property Buchans - Little Sandy

NTS 12A/15 Grid Name Little Sandy

Date started 13/06/2000 Completed 15/06/2000

Contractor Lantech Drilling Services Ltd.

Logged by J. Harris

Depth & Lithology	Description	Alteration	Mineralization
0 - 11.5	Overburden	about 50% core recovery between 17 and 23m sand seams? noted by drillers	
11.5 - 13.1	Mafic flow or sill - dark green to black, fine grained - fractured		minor py and cpy on fractures
13.1 - 19.2	Prominent quartz rhyolite - brown to pink quartz feldspar porphyry - fractured rubbly core, minor fault gouge and breccia recovered		
19.2 - 35.0	Dacite to rhyolite - fine grained, green, glassy rock with a few small chlorite flecks - commonly fractured, locally rubbly - some evidence of faulting between 20 and 23.0m - minor fault gouge at ~31.0m		minor pyrite along fractures
35.0 - 39.7	Granodiorite dyke or sill - brown to pink - narrow chilled margins at close to 90° to the core		minor disseminated pyrite

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Depth & Lithology	Description	Alteration	Mineralization
39.7 - 58.9	Dacite to rhyolite (as for above the dyke) - green, glassy rock - small chlorite flecks, occasional small quartz and plag. phenos		minor pyrite, disseminated and along fractures close to 1% locally
58.9 - 86.7	Mafic fragmental, lapalli tuff - dark green, some purple fragments - andesite to basalt fragments, commonly with plag. phenos - a few small calcite amygdules - a few pink to purple dacite or silicified mafic fragments - weakly magnetic - fault gouge and breccia and shearing 84.1 - 86.7 - some resemblance to Ski Hill fragmentals towards 84m		minor disseminated pyrite, rare fleck of cpy
86.7 - 97.4	Dacite - medium green - quartz and pink feldspar phenos - looks like a finer grained version of the prominent quartz unit - may be tuffaceous locally - some more mafic - andesite zones - moderately sheared at 80-90^0 to the core down to 88.5m - 10cm of prominent quartz rhyolite at 97.4 - minor faulting at 97.4		1-2% pyrite as disseminations, blebs and veinlets
97.4 - 139.9	Mafic fragmental and pillow lava - dark green, purple tint locally - calcite and silica amygdules, local plag. phenos - resembles Ski Hill fragmentals - weakly sheared and bleached down to ~99m - moderately magnetic - mainly fairly coarse "pillows"? and pillow breccia - may include some dykes or sills - 101.8 - 103.5 finer fragmental with some felsic and some bleached mafic fragments - below 103.5 mainly pillow basalt and/or flows some narrow chilled rims/contacts - 136.0 - 136.1 fault gouge and breccia		
139.9 - 141.3	Breccia - in part fault breccia, likely partially primary - bleached and altered mafic fragments, some possible felsic fragments - some rounding of fragments - silica amygdules in most fragments		∠ 1% fine pyrite one felsic fragment with 10-15% fine py

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Depth & Lithology	Description	Alteration	Mineralization
141.3 - 200.0	Mafic fragmental - lithic tuff and hyaloclasite - medium green - some larger fragments with silica amygdules - 171.5 - 176.0 fine grained mafic tuff - 182.1 - 184.1 fine grained tuff - 185.7 - 187.7 lapalli tuff with a soft clayey matrix - 187.7 - 188.2 fine grained tuff, faint layering at about 45^0 to the core - 191.1 small fault gouge - 192.3 - 196.8 coarse fragmental with large bleached fragments, fragments have 5-10% quartz amygdules or grains - 196.8 - 200.0 wispy mafic lapalli floating in a fine grey-green tuffaceous matrix	moderate to locally strong chlorite-sericite alteration	pyrite varies from 3-30%, average 5-8% disseminated, stringers and as fill in "hydrothermal" breccia -141.3 - 141.5 ~40% py - 167 - 168.2 20% py as coarse network veining - hydrothermal breccia - 182.4 - -184.7 ~2% py with stockwork quartz veining at 199.8 5cm clast of pyritic silt or pyritic alteration 25-30% fine pyrite
200.0	End of Hole		

HOLE NO. LS-2K-009

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GEOLOGICAL CONSULTANTS LTD.
DIAMOND DRILL CORE ASSAYS

SHEET NO. 1 of 1

PROJECT NO. G4793/4973M

HOLE NO. LS-2K-009

PROPERTY Buchans - Little Sandy

Sample No.	From (metres)	To (metres)	Length (metres)	DESCRIPTION	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
43734	141.3	142.5	1.2	Vm., 5 to 20% py	-10	35	80	-0.3	22	83
DUP-43734					-10	32	78	-0.3	20	87
43735	146.0	148.0	2.0	Vm., 3 to 10% py	40	-20	90	-0.3	10	980
43736	161.0	163.0	2.0	Vm., 3 to 10% py	-10	-20	105	-0.3	17	163
43737	163.0	165.0	2.0	Vm., 3 to 10% py	-10	-20	101	-0.3	23	31
43738	165.0	167.0	2.0	Vm., 3 to 10% py	10	31	75	-0.3	32	43
43739	167.0	168.2	1.2	Vm., 10 to 20%py	-10	33	106	-0.3	43	65
43740	168.2	170.2	2.0	Vm., 3 to 10% py	-10	-20	101	-0.3	22	57
43741	176.0	177.5	1.5	Vm., 3 to 10% py	-10	41	100	-0.3	14	38
43742	182.4	184.7	2.3	Vm., 20% py	-10	35	56	-0.3	15	29
43743	189.1	191.1	2.0	Vm., 3 to 10% py	-10	-20	72	-0.3	13	51
43744	198.0	200.0	2.0	Vm., 3 to 10% py	-10	-20	68	-0.3	7	44