

**J. TUACH GEOLOGICAL CONSULTANTS, INC.
DIAMOND DRILL CORE LOG**

LATITUDE 176 + 00E
 DEPARTURE 85 + 75 N
 ELEVATION _____
 DIP AT COLLAR - 45
 BEARING 180°
 TOTAL DEPTH 150.9 CORE SIZE BQ
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
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Project No. _____ Hole No. BE-95-05
 Property Buchans East
 NTS _____ Grid Name _____
 Date started Dec 8/95 Completed Dec 11/95
 Contractor IDEAL DRILLING (NFLD.) LTD

 Logged by Phillip Saunders

Depth & Lithology	Description	Alteration	Mineralization
0 - 4.3	OVERBURDEN		
4.3 - 14.5	MAFIC VOLCANICS - medium-dark greenish grey, competent rock - strongly porphyritic - ragged patches and phenocrysts of light green, epidotized feldspar, fine grained chloritic ground mass - narrow bands of non-porphyritic rock - pillow margins - massive, competent rock - not foliated 9.9 - pillow margin? @ 80° TCA 9.9 - 10.3 - pale grey green, orange siliceous sinter - inter pillow material, layering @ 65° TCA 10.3 - 14.5 - amygdaloidal basalt	- epidotized feldspar - calcite veinlets	- rare pyrite
14.5 - 16.5	FELSIC TUFF - light grey to white, fine grained, tuffaceous rock - abundant 1 - 2 mm grey qtz crystals and to 1 cm long, pale green-yellow, soft, glassy looking fragments, some flattened - appearance of welding - possibly ignimbrite	2-10 cm irregular pinkish alteration - increased pyrite - veinlets of very fine grained qtz - pyrite along fractures - may be pervasively altered	2-5% disseminated and stringer pyrite in qtz veins. >5% in pinkish alteration zones

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Depth & Lithology	Description	Alteration	Mineralization
16.5 - 38.7	FELSIC FLOWS - medium-dark greenish grey to faintly, brownish, very hard, glassy - massive to typically porphyritic - 2-6 mm, pale green (altered) plagioclase phenocrysts - glassy groundmass of plagioclase - qtz - chlorite; overall dacitic composition 20.4 vuggy calcite veins - hematite on fractures sporadically 21.9 - 32.6 24.7 - 24.9 hematitic fault gouge ~ 20° TCA - possible flow banding eg. 26.0 - 26.5 34.0 several large, pale green altered fragments cut by calcite +/- hematite veins 37 - 40 m abundant rubbly, ground core	- altered plagioclase phenocrysts (saussuritized) - pinkish alteration locally in narrow, irregular zones, may follow fractures - red hematite coating on fractures, especially 21.9 - 26.0 - spaced calcite and qtz veinlets - 2 mm specular hematite veinlet @ 27.5 - somewhat increased pinkish alteration below 30 m	very rare pyrite
38.7 - 70.2	MAFIC FLOWS - dark green, medium hard, competent rock - patchy light green, amygdules, pillow cores - amygdules filled with epidote, calcite, commonly specularite - specularite also in ground mass - pillow margins, altered cores to 10 cm across - groundmass fine grained, chloritic, overall basaltic composition 61.5 - 61.9 rubbly core 66.9 - 69.5 - several fragments to 10 cm across of pink - orange felsic volcanic. Rounded qtz phenocrysts to 5 mm - concentration of altered volcanic fragments near lower contact - fractures mainly 45 - 90° TCA	- specularite veins to 1 cm thick with calcite - also forms cores in calcite - epidote amygdules - specularite locally disseminated in ground mass (eg. 62.1) up to 5% of rock - some fractures coated with red hematite - spaced calcite veinlets, some with specularite	
70.2 - 96.8	FELSIC FLOWS - medium grey, mottled, with shades of pink and beige - rounded, milky qtz phenocrysts to 5 mm across - small pinkish (potassic?) feldspar phenocrysts, some white feldspar - local flow-banding, vague brecciated aspect - glassy, siliceous, very hard groundmass - 77.4 local shearing @ 60° TCA - sections of broken, rubbly core - 81-85 fault zone - ground core, rubbly core and 1-2 meters missing core - cavities - brittle fault - no apparent shearing/brecciation - lower contact pale grey, fine grained, possibly chilled, rubbly core	- zones of beige to pinkish alteration throughout, but especially in upper part of unit - alt° concentrated along some fractures - veinlets of qtz +/- chlorite +/- calcite - chlorite - calcite veinlets in more heavily altered sections - minor sericite on fractures - fractured qtz phenocrysts with chlorite	- trace pyrite, disseminated and on fractures

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Depth & Lithology	Description	Alteration	Mineralization
150.9 EOH	129.9 - 150.9 - medium greenish-grey, generally coarser grained, mottled texture - qtz grains, lithic fragments, overall tuffaceous appearance - overall dacitic composition - weak layering @ 50° TCA defined by flattened fragments 133.7 - 134.5 and 136.3 - 139.3 - intervals of medium-grey, uniform, fine grained, siliceous rock	- minor chlorite - calcite - pyrite	- trace disseminated pyrite 1-2% pyrite, disseminated and stringers. Locally in patches with calcite, chlorite

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PROPERTY Buchans East

[illegible]