

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

LATITUDE 165 + 00 E
 DEPARTURE 76 + 25 N
 ELEVATION _____
 DIP AT COLLAR - 90
 BEARING _____
 TOTAL DEPTH 124.7 CORE SIZE BO
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>None</u>	_____	_____	_____
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Project No. _____ Hole No. BE-95-04
 Property Buchans East
 NTS _____ Grid Name _____
 Date started Dec 5/95 Completed Dec 7/95
 Contractor _____

 Logged by Phillip Saunders

Depth & Lithology	Description	Alteration	Mineralization
0 - 5.5	OVERBURDEN		
5.5 - 73.8	MAFIC VOLCANICS - dark green, chloritic, fairly soft - mainly fine grained, massive, but with intervals of medium-coarse, tuffaceous rock. Indistinct layering - mixture of chlorite, plagioclase - overall andesitic - tuffaceous intervals 16.7 - 18.7, 23.2 - 25.1, amygdaloidal basalt fragments - local epidote patches - replacement of amygdules? 11.2 - qtz porphyry fragments in chloritic groundmass 15.9-16.2 - 30 cm layered siliceous rock - layering 80°@8.8, 55°@16.1, 50°@17.3, 55°@18.8 - below 45.0, unit is somewhat more siliceous, partly due to alt'n but still fairly chloritic 39.9 - 42.7 - intervals of broken rubbly core 43.0 - 10 cm poorly cemented fault gouge ~ 45° TCA 60.5 - 30 cm pinkish siliceous unit, contacts 45° and 80° TCA - lower part of unit appears mainly massive flows, lesser pyroclastic intervals	5.5 - not strongly altered - chloritic, spaced calcite veins 37.4 qtz - hematite vein - below 45.0, short intervals of pinkish grey siliceous alt'n. Weak to moderate, not pervasive	5.5 - Trace-1% pyrite - minor stringer and disseminated py - occasional semi-massive py lenses @ ~ 45° TCA 50 - 65 - general increase in disseminated py (2-5% minor stringers occasional, narrow massive py lenses)

HOLE NO. BE-95-04

Depth & Lithology	Description	Alteration	Mineralization
73.8 - 124.7	MIXED VOLCANIC SEQUENCE 73.8 - 80.0 -dark green-grey, siliceous fragmental rock - debris flow or conglomerate? - subangular to subrounded clasts, generally < 3 cm - dominantly milky qtz, feldspar, and larger (3-10cm) pink, qtz- porphyritic clasts - dark greenish-grey, glassy and siliceous matrix - occasional larger pink qtz porphyry clasts to 10 cm - intervals of broken, rubbly core 78.0 - 80.0 - becomes strongly chloritic, foliated - rubbly ground core and some missing 81.2 and 81.7 qtz veining parallel to core axis 81.0 - 89.0 - felsic ash flow? - mainly chloritic fragments (?) in a dark brownish-grey, glassy, siliceous groundmass - qtz grains persist but larger clasts not evident 85.0 - 86.4 - massive medium grey porphyritic basalt 89.0 - 92.6 - large pink qtz porphyritic volcanic clasts in coarse, gritty, quartz feldspar matrix - looks granitic 92.6 - bedding plane? @ 35° TCA 92.6 - 94.2 - mainly small (<3 cm) qtz, feldspar and lithic fragments in green-grey, finer grained matrix 94.2 - 106.4 - felsic-intermediate pyroclastics? - mainly brownish-grey, fine grained, glassy rock with chloritic spots as above - chloritic fragments, locally quartz - porphyritic 102.6 - mafic volcanic clast 104.8 - pink volcanic clasts 102 - 108.2 mainly broken, rubbly core 106.4 - fault gouge, rubble 106.4 - 106.8 - pink qtz porphyritic volcanic fragments in green, fine grained mudstone matrix 107.3 - fault gouge - 10 cm 108.0 - 109.6 - pinkish, fine grained siliceous rock - alteration (?) above fault zone	102.7 - 118 - sporadic zones of pinkish alteration mainly fracture controlled not pervasive. Py along fractures.	74.0 - 80 - 1 to 3% coarse disseminated pyrite 80.0 - trace 1% disseminated py, minor stringers trace - 1% pyrite throughout

Depth & Lithology	Description	Alteration	Mineralization
124.7 EOH	109.6 - 109.8 - gouge, shearing @20° TCA 112.7 - 113.2 - zone of uniform, granular, siliceous rock 118.5 - 119 - bedded (?) tuffaceous - looking rock - bedding (?) ~ 60° TCA 119.8 - 121.5 - pinkish qtz porphyritic volcanic (prominent qtz?) - lower contact sheared, annealed, fault gouge 121.5 - 124.7 - uniform grey, fine grained, very siliceous rock - plagioclase, qtz phenocrysts (?) grains (?) - possible indistinct bedding		112.4 - 113.8 - siliceous breccia zones ~ 10° TCA with 30-50% py pyrite along fractures in altered zones. 119.8 - 121.5 - trace pyrite 121.5 - 124.7 - lightly disseminated pyrite

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