

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

LATITUDE 172 + 00 E
 DEPARTURE 87 + 00 N
 ELEVATION _____
 DIP AT COLLAR - 45
 BEARING 180°
 TOTAL DEPTH 160.7 m CORE SIZE BO
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>160.7m</u>	<u>- 45</u>	_____	_____
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Project No. _____ Hole No. BE- 95-03
 Property Buchans East
 NTS 12A/15 Grid Name _____
 Date started Dec. 2/95 Completed Dec. 4/95
 Contractor IDEAL DRILLING (NFLD.) LTD.

 Logged by Phillip Saunders

Depth & Lithology	Description	Alteration	Mineralization
0 - 6.7	<u>Overburden</u>		
6.7 - 70.4	<u>Felsic Volcanic</u> - medium grey, fine grained, medium hard - uniform granular texture - small (2 - 4 mm) chloritic spots (fragments?) in a felsic groundmass, looks dactile - blocky, broken core, rusty fractures common (20 - 80° TCA) 11.3 - 16.3 <u>Dabase</u> - blocky, medium grained, medium hard - uniform, dense, crystalline rock - 30 cm fault gouge @ 13.7m - lower contact chilled 16.3 - 58.4 <u>Felsic Volcanics</u> - medium grey - mainly massive, fine grained, weakly chloritic - small chlorite spots - fractured, not foliated, good recovery - possible layering 80° TCA @ 17.0 m; 50° @ 46 m - rubbly ground core @ 25.3, 26.3 - lower contact, 1cm gouge	6.7 - 11.3 weak alt° chlorite on some fractures with pyrite - rare qtz veins 11.3 - 16.3 - minor calcite veining 16.3 - 58.4 weakly altered - black chlorite flecks with pyrite on some fracture - local pink siliceous alt'n 27.0 - 31.0 occasional narrow zones of siliceous alt° following fractures	6.7 - 11.3 Trace - 1% pyrite, disseminated and fracture coatings 11.3 - 16.3 Trace disseminated pyrite 16.3 - 58.4 1-3% py as stringers, fracture coatings with black chlorite, disseminated - occasional py - calcite veins

HOLE NO. BE-95-03

Depth & Lithology	Description	Alteration	Mineralization
6.7 - 70.4 (Cont'd)	58.4 - 70.4 Quartz Porphyry - distinctive orange - buff color, decreases near upper contact - abrupt color change from overlying and underlying units - scattered, large (to 6mm) milky - white quartz phenocrysts and abundant, smaller, dark, qtz +/- chlorite +/- pyrite aggregates in very fine grained to glassy ground mass - good core recovery. Fractures generally 50 - 80° TCA	58.4 - 70.4 - strong silica-potassic alt^a - distinctive orange color (potassic alteration?) in individual grains and as irregular zones, also follows fractures abundant, mainly small (2-4mm) but up to 2cm pyrite-chlorite-qtz aggregates - qtz veins - local sericite on fractures	58.4 - 70.4 ~ 1% pyrite, disseminated and occasional qtz - pyrite veins - pyrite-chlorite aggregates
70.4 - 160.7	Felsic Volcanics - medium grey, tan or orange, fairly hard; abrupt color change from porphyritic unit - qtz phenocrysts absent - textures masked by alteration, however brecciated/fragmental zones locally visible (eg. 81.0 - 82.3) - generally fine - grained to glassy, shadowy appearance - locally abundant chlorite spots with pyrite - fragments (?) of very soft, translucent, olive green mineral (chlorite??) 78.0, 78.7 - breccia zones - angular, altered volcanic clasts in siliceous groundmass. Zone @ 10° TCA. Zones may be much larger but are masked by alteration 91.1 - 20cm breccia zone with dacitic fragments in a glassy, pyritic matrix 99.8 - 3 cm wide band of black chloritic rock @ 30° TCA, dike(?) 106.5 - 115.0 - host rock to mineralized zone is lighter grey, no tan or orange, also very hard, siliceous, more quartz veins 116.1 5 cm felsic band @ 45° TCA	70.4 - 121.0 - strong siliceous alt^a - qtz +/- chlorite, pyrite veinlets - textures masked by siliceous alteration? - alteration (color change) along fractures - pyrite-chlorite patches 78.3 - 79.2 Zones of orange - colored alteration - fragments? 106.5 - 115.0 - qtz veining & zones of pervasive, siliceous alteration 115 - 121 - lowermost part of unit appears somewhat less altered than above	70.4 - 121.0 2% py - qtz-chlorite-pyrite - pyrite as narrow, massive lenses to 3cm wide, disseminations, stringers. Abundant, small knots of pyrite intergrown with chlorite - massive py lenses over 5 - 10cm @ 81.0, 91.1 80.8 - 81.7 Siliceous breccia (fragmental?), locally 10% stringer py, trace honey sp? 84.2 - trace black, metallic sp? in qtz py vein parallel TCA - Fuchsite coatings on fractures @ 104.8 and 106.8 45° and 80° TCA. 105.9 - 5cm massive py band @ 60° TCA 108.2 - 108.7 2-5% combined gn-sp forms vein network or matrix to siliceous fragments with 2 - 3% disseminated, euhedral pyrite. - gn-sp also occurs in qtz veins eg. 106-108, 112.0 and 113.5

Depth & Lithology	Description	Alteration	Mineralization
160.7 EOH	121.0 - 160.7 <u>Quartz Porphyry</u> May be gradational with unit above; has distinctive qtz phenocrysts, but is otherwise texturally similar - pale orange to grey to medium - dark grey - prominent, 3-10 mm milky white qtz phenocrysts in fine grained, hard, siliceous groundmass - local chlorite spots with disseminated pyrite - upper contact rubbly, possibly transitional	121.0 - 160.7 - locally moderate to strong silica-potassic alt'n (eg. 121-127, 132-136, 151-154, 157-160). Orange to beige color - chlorite-pyrite-qtz in small patches and on fractures - appears less altered than porphyry 58.4-70.4	1 - 3% pyrite, disseminated, stringers and in qtz veins. Distinctive pyrite nodules - elliptical aggregates of pyrite chlorite and calcite - minor sphalerite in 1cm qtz vein @135.7
	144.9 - 150.0 Medium - dark grey, very fine grained to glassy rock appears to be gradational with above, may be pervasive, siliceous alteration.	144.9 - 150.0 - pervasive siliceous alt'?	
	149.3 20 cm chloritic gouge, breccia	154.6 - 155 small pockets of black chlorite with py	
		158 - 159.4, 160.5 - narrow zones of gouge, sericite	

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