

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

LATITUDE 173 + 00E
 DEPARTURE 89 + 00 N
 ELEVATION _____
 DIP AT COLLAR - 45
 BEARING 360°
 TOTAL DEPTH 121.0 m CORE SIZE BO
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>121m</u>	<u>45°</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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Project No. _____ Hole No. BE-95-02
 Property Buchans East
 NTS 12A/15 Grid Name _____
 Date started Nov. 30/95 Completed Dec. 2/95
 Contractor IDEAL DRILLING (Nfld.) LTD.

 Logged by Phillip Saunders

Depth & Lithology	Description	Alteration	Mineralization
0 - 4.3	OVERBURDEN		
4.3 - 54.2	FELSIC VOLCANICS - mainly light grey to yellowish, medium hard - massive to poorly layered, some large fragments (primary?) with wispy, glassy shards, suggestion of welding - fragments, layering mainly subparallel TCA (0 - 30°) - rusty fractures near surface - overall appearance of altered, brecciated, probably fragmental rock - layering 0° @ 4.3m 5° @ 9.1 - fractures vary from 0-90° TCA, many @ 60 - 70° - sharp lower contact 17.8 - 54.2 - medium to dark, faintly greenish grey, fairly hard - uniform texture, fine grained 24.7 - 36.6 sections of light grey, hard, siliceous, altered looking rock - probably intermediate to dacitic flows. Possibly siliceous alteration, but not pervasive, no significant increase in pyrite. 36.6 - 49.7 dominantly grey - green, fine grained, very uniform rock - probably chloritic dacite - widely spaced calcite veinlets, not strongly altered 53.0 - 54.2 contact zone is strongly chloritic gouge, breccia, rubble core	4.3 - 17.9 strongly altered qtz pyrite stockwork, siliceous, pyritic bands parallel to and cross-cutting layering. Host rock yellowish, sericitic, strongly altered. Fragments are probably hydrothermal breccia (qtz stockwork) Cross-cutting fractures lined with chlorite. Sections of massive, creamy rock with pyrite veins are probably the most pervasively altered (eg. 7.3 - 8.8, 11.4 - 13.4) 17.8 - 54.2 moderately chloritic throughout, intense black chlorite alt' +/- py on many fractures 49.7 - 53.0 moderate to strong siliceous alteration; zones of light grey to pink - orange alteration with remnants of unaltered mafic rock - minor pyrite - a few calcite veins	4.3 - 17.9 3-5% pyrite, mainly as concordant and cross-cutting veins (to 1cm wide) fine to medium grained, commonly associated with quartz (qtz - pyrite stockwork) Trace sphalerite @ 5.3 More throughout(?) 17.8 - 54.2 - overall 1-3% patchy, stringer and dissem. py, fine to medium grained - locally 5 - 10% over narrow widths (<10 cm) associated with black chlorite (eg. 39.6, 44.2, 44.5, 45.1)

HOLE NO. BE-95-02

Depth & Lithology	Description	Alteration	Mineralization
54.2 - 119.0	ALTERED FELSIC VOLCANICS - unit varies from light yellowish - grey in upper, more altered portion to medium dark grey below - partially masked by alteration but overall coarse, blocky, fragmental aspect, absence of strong layering, foliation - planar features (eg. weak layering, alignment of fragments) generally subparallel (0 - 30°) to long core axis 54.2 - 69.5 - yellowish - grey, blocky, brecciated, very similar to upper felsic unit (4.3 - 18.1) - flattened fragments, wispy shards, possibly welded - planar features at low angle (0-20°) to core axis 61.5m - 15° 69.5 - 119 - core generally medium - dark grey - variable altered but generally less than above - elliptical shapes, poorly defined but possible fragments - creamy, fine grained, siliceous, probably altered groundmass - local green, glassy shards - layering subparallel TCA 10° @ 83.5m, 20° @ 95.5, 10° @ 75.0 - 69.2-69.7 20cm coarse hydrothermal breccia. Angular volcanic fragments in chloritic matrix - gouge, rubble @ 82.1, 96.4, 74.8 - local zones of shearing subparallel TCA @ 71.0, 82.5 - 78.7 2 cm vein of soft, white, prob. carbonate - non-effervescent (barite?) - 80.7 25cm diabase? 97 - 111 - appears generally less altered. Well defined, angular fragments in a siliceous ground mass. - dacitic fragmental?	54.2 - 69.5 Pervasive siliceous alt'n. Abundant quartz +/- pyrite +/- chlorite veins, concordant and cross-cutting, hairline fractures lined with silica. Sericitic 69.5 - 119 moderate to locally intense silica alt' throughout - textures masked, qtz-lined fractures, pyrite stringers chlorite on fractures - intense silica +/- sericite alt' (78.0 - 79.4, 81.9 - 84.5) over 1 - 3m intervals 97 - 111 weak to moderate siliceous alteration, chlorite on fractures 111 - 119 intense silica (sericite) alteration, qtz - py stock work	54.2 - 69.5 3-5% py as stringers and lenses with qtz, and disseminated 60.1 - 65.4 minor honey - yellow to red, resinous sphalerite (?), locally to 0.5%, with trace metallic sp, galena and chalcoppyrite from 64-65. Sulfides are mainly disseminated on fractures, commonly associated with calcite or qtz - pyrite veins. Locally, yellow cast to vein minerals, heavy, barite? Mineralized fractures range from 5° to 80° TCA 69.5 - 119 2-5% pyrite - stringers and disseminated, somewhat stronger in siliceous alt' zones 75.5 - 85.5 sporadic, weak, honey sphalerite on fractures, esp. 81 - 85.5 97 - 111 qtz - py stockwork 111-119 -- 5% stringers disseminated pyrite
119.0- 121.0	Mafic Volcanic - dark green, fine grained, strongly chloritic		119 - 121 1-2% stringer and disseminated - pyrite
121.0 EOH			

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

SHEET NO. J PROJECT NO. HOLE NO. BE-95-02 PROPERTY Buchans East

Sample No.	From (metres)	To (metres)	Length (metres)	DESCRIPTION	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)			
	4.3	7.3	3.0	Alt'd felsic volc. Qtz-py stockwork. 2-5% py. Trace sp?	152	27	85	0.3	11			
	13.4	16.4	3.0	" " "	59	19	89	0.2	5			
	54.5	57.3	2.8	" " " 3-5% py. "	195	9	62	0.3	5			
	57.3	60.1	2.8	" " "	210	22	68	0.2	5			
	60.1	61.1	1.0	" " "	83	26	91	0.2	5			
	61.1	62.1	1.0	" " "	112	120	379	0.5	5			
	62.1	63.1	1.0	" " "	106	339	215	0.2	5			
	63.1	64.1	1.0	" " "	75	54	123	0.2	5			
	64.1	65.4	1.3	" " " Minor sp, gn	298	858	1219	0.4	15			
	65.4	67.4	2.0	" " " Trace sp, gn	190	245	258	0.3	5			
	67.4	68.8	1.4	" " "	566	114	438	0.4	5			
	68.8	72.1	3.3	" " " Silica-chlorite-py	82	13	101	0.3	5			
	72.1	75.5	3.4	" " " " "	7	42	46	0.2	5			
	75.5	78.9	3.4	" " " Tr honey sp	1	16	81	0.2	5			
	78.9	81.9	3.0	" " " " "	16	27	394	0.3	5			
	81.9	83.7	1.8	Alt'd felsic volcs. Silica sericite alt'n. 2-5% py. Minor honey sp	9	67	152	0.4	29			
	83.7	85.5	1.8	" " "	4	53	246	0.4	14			
	111.0	114.0	3.0	" " "	3	13	20	0.2	17			
	114.0	117.0	3.0	" " "	4	11	58	0.2	5			