

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

LATITUDE L170E
 DEPARTURE 94+25N
 ELEVATION _____
 DIP AT COLLAR -45°
 BEARING 360°
 TOTAL DEPTH 131.1m CORE SIZE BO
 REMARKS No tests

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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Project No. _____ Hole No. BE-95-01
 Property Buchans East
 NTS 12A/15 Grid Name _____
 Date started 28/11/95 Completed 29/11/95
 Contractor IDEAL MAJOR DRILLING

 Logged by Phillip Saunders

Depth & Lithology	Description	Alteration	Mineralization
0 - 5.5	Overburden		
5.5 - 131.1	Felsic Volcanics - medium to dark greenish-grey - uniform to locally mottled, fairly hard - weakly fractured, not foliated, good core recovery - moderately chloritic, hairline fractures w/ cc veins, (random orientations), minor qtz. (w/py, cp) 5.5 - 6.5 breccia 27.1 - 2 cm gouge, clay 31.7 - 46.6 - medium green-grey, mottled appearance, hard - gradational with rocks above, but generally more siliceous, less chloritic - abundant small, glassy, dark green, wispy chloritic shards? - local pinkish - creamy siliceous alteration (eg. 36.0, 41.5) - overall moderately to strongly altered (silicified +/-) chloritized - 1 - 3% pyrite as stringers, blebs and lenses, med. - coarse - more strongly chloritic toward lower contact 44.4 - 46.6 healed breccia, strongly sheared (30° TCA), chloritic, calcite veining, minor py - lower contact faulted; gouge, rubble over 0.5 m	5.5 - 31.7 - moderate - strong chlorite alt" mainly in irregular zones associated with sulfides - local qtz with sulfides - black chlorite in zones to 10cm wide, w/ chalcopyrite. Fragments @45° TCA 31.7 - 46.6 - weak to moderate silica and chlorite alt" - in strongly altered sections, textures masked, fractures lined with quartz and/or chlorite, narrow zones of pinkish alteration with increasing pyrite 43.6 - 46.6 short sections of intense black chlorite with pyrite	- 2 - 5% sulfides (py+/-cp) locally 10% over 0.3m - stringers, irregular lenses, fracture coatings and disseminated - medium to coarse grained - commonly euhedral - massive py (cp) patches up to 5 cm across locally w/ qtz - strongest cp @ 13 - 15, 20.4 - 28.4 - cp associated w/ black chlorite zones to 10cm wide 27.9 - 28.3 two - 10 cm zones w/ to 10% stringer py, 1-2% cp @ 45° TCA 31.7 - 46.6 1-3% pyrite lenses and stringers associated with silica - chlorite alt."

HOLE NO. BE-95-01

Depth & Lithology	Description	Alteration	Mineralization
5.5 - 131.1 (Cont'd)	46.6 - 131.1 - light grey to creamy, medium hard - locally well developed, straight to undulose layering (probably bedding) @ 45° TCA - fine grained, granular texture, wispy chloritic fragments oriented 45° TCA - bedding, textures commonly obscured by moderate to strong silica - sericite alteration - pervasively altered sections (eg. 51 - 61m) with pyrite stringers, lenses (to 5mm thick) and disseminated - fractures lined with fine grained silica and pyrite - zones of bleaching with associated pyrite - below 70m color becomes medium to dark grey, bedding less apparent, gradational contact. Overall appearance of blocky, auto brecciated flow, similar composition. - wispy chlorite fragments - bleached, altered sections (eg. 76-78) but generally less altered than above - occasional pale grey, indistinct, blocky sections similar to outcrops mapped as dacite breccia - fine grained qtz diorite (?) dikes @ 75.6 - 76, 77.4, 80.8 - 82.2, 87.3 - 87.7, 98.1 - 98.5; chilled - layering 40° @ 36m, 50° @ 56m, 45° @ 63m, 35° @ 76.3m 76 - 92 generally bleached, altered, locally brecciated, related to diorite intrusion? well developed breccia @ 90.8 104.3 - 131.1 - dark grey to dark greenish - grey - uniform, fine grained, fairly hard - more chloritic, probably andesitic composition - dominantly massive, featureless - locally porphyritic - 1-2mm plagioclase phenocrysts occasional chlorite spots (fragments?) - widely spaced calcite veinlets, random orientations - trace - 1% pyrite overall. Mainly veinlets - local glassy sections	46.6 - 67.5 creamy-beige silica +/- sericite alt'. Weak to moderate throughout. Locally pervasive over short intervals (eg. 46.6-49.5, 51.0-61.0, and over 20-30 cm @ 64.5, 64.9, 66.0, 67.0 and 67.5. Alteration is sporadic; strongly altered sections marked by increasing pyrite, absence or masking of bedding and textures, bleaching, fractures lined with crypto crystalline silica and pyrite, quartz-pyrite stock work, chlorite on some fractures moderate - strong siliceous alteration and qtz pyrite stock work 77.1 - 78.4 and 82.7 - 91.6 - widely spaced calcite veinlets - local zones of fracturing, brecciation & siliceous alt'n (eg 122.6 & 125.1). Elsewhere, unit does not appear pervasively alt'd	46.6 - 67.5 2-5% fine to medium grained pyrite as concordant lenses, cross-cutting stringers and fine disseminations - trace sphalerite @ 56.2 Pyrite concentration generally increases with degree of alteration; trace sphalerite? - 1-3% veinlets, blebs and disseminated pyrite trace - 1% stringer and disseminated pyrite
131.1 EOH			

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

SHEET NO. 1

PROJECT NO. _____

HOLE NO. BE-95-01PROPERTY Buchans East

Sample No.	From (metres)	To (metres)	Length (metres)	DESCRIPTION	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)			
	10.3	13.3	3.0	Chloritized dacite. 1-3% stringer py	65	7	51	0.4	5			
	13.3	15.4	2.1	Mafic volcanic 2-5% py + cp as blebs, patches & stringers	1967	5	53	0.5	5			
	15.4	17.9	2.5	Chloritized dacite. 1-3% stringer py	474	6	46	0.6	5			
	17.9	20.4	2.5	Chloritized dacite. 1-3% stringer py	82	4	46	0.2	23			
	20.4	23.4	3.0	Same as above	527	3	52	0.3	5			
	23.4	24.9	1.5	" " "	1647	3	52	1.0	5			
	24.9	27.8	2.9	" " "	1178	4	54	1.1	5			
	27.8	28.4	0.6	2-10cm zones w/ up to 20% py, 1-2% cp	1.39%	214	146	8.2	96			
	28.4	31.6	3.2	Chloritized dacite. ~1% stringer py	545	2	50	0.5	5			
	43.6	46.6	3.0	Mafic volcanic. Sheared, chloritic, healed breccia. Rubble & gouge - fault contact. Calcite	44	12	49	0.3	5			
	55.0	58.0	3.0	Felsic volc. Pervasively altered (silica +/-sericite). ~5% py stringers, patches & dissem. Bleached, creamy all'n	38	19	43	0.3	69			
	58.0	61.0	3.0	Same as above	1	15	20	0.5	25			
	84.3	87.3	3.0	Felsic volc. similar to above but less altered. Local pervasively altered sections. 1-3% stringer & dissem py. Cut by pyritic diorite dikes (not in sample)	21	9	47	0.2	5			
	87.3	87.7	0.4	Qtz diorite (?) or porphyry. Black, med-coarse grained, qtz-porphyrific. 3-5% patchy & dissem py. Calcite veins	15	24	83	0.2	5			
	87.7	90.7	3.0	Felsic volc. as for 84.3-87.3. Mainly bleached, pervasively altered, brecciated. Alteration along hairline fractures, 1-3% stringer & dissem py	225	43	60	0.3	5			