

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

LATITUDE L 173 + 00 E
 DEPARTURE 91 + 00 N
 ELEVATION _____
 DIP AT COLLAR - 60°
 BEARING 180°
 TOTAL DEPTH 77.1 CORE SIZE BO
 REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>None</u>	_____	_____	_____
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Project No. _____ Hole No. EE-96-09
 Property Buchans East
 NTS 12A/15 Grid Name _____
 Date started Jan 22/96 Completed Jan 24/96
 Contractor IDEAL DRILLING (NFLD) LTD.
 Logged by Phillip Saunders

Depth & Lithology	Description	Alteration	Mineralization
0 - 6.7	OVERBURDEN		
6.7 - 77.1	FELSIC VOLCANICS - medium grey to creamy white, siliceous, hard - textures obscured by alteration - local suggestion of fragmental texture & flow breccia - greenish, waxy sericite grain - local wispy layering, defined by sericite, flattened shards, flow banding 6.7-11.5 - rubbly, fractured core. Cavity @11.5 8.5-9.5 - rubbly core, some gouge - layering/flattened fragments 30° TCA @12.8m, 17-24 - sections of coarse hydrobreccia(?). Large, angular volcanic clasts in a glassy, silicic matrix 26.5-26.8 - rubbly core, some gouge 27.4-27.8 - rubbly core, some gouge ~29.0-30.0 - re-cemented breccia, gouge, rubbly core. Clay-rich - below 27m, appears less pervasively altered, textures more visible	6.7- - pervasive silica-sericite-pyrite alt'n - sporadic, intense creamy siliceous +/- potassic alt'n with intervening concordant lenses & crosscutting veins of qtz & pyrite ("qtz-pyrite-stockwork") - zones of siliceous hydrobreccia, with volcanic fragments in glassy, siliceous groundmass - late fractures lined with crypto-crystalline silica; these crosscut qtz-pyrite stockwork - minor chlorite alt'n on late fractures 11.5-20.0 - intermittent, strong sericite alt'n, less pyritic than siliceous alt'n 18.0-27.0 - pervasive silica-sericite alt'n diminishes, but qtz-pyrite stockwork continues. Moderate alt'n 27.5-32.7 - moderately sericitic, locally abundant qtz-pyrite veinlets. Not pervasively altered	6.7- - 5% pyrite stockwork, semi-massive stringers & disseminated - trace sphalerite @8.3 - 0.5cm qtz-py-sp band @8.5 11.5-20.0 1-2% pyrite 20.0-44.0 2-5% pyrite, stringers & disseminated

Depth & Lithology	Description	Alteration	Mineralization
6.7-77.1 (Cont'd)	27.5-32.7 - felsic lapilli tuff, subrounded siliceous fragments to 3cm across - sericitic, tuffaceous matrix - texture partially masked by alt'n 30.5 - closely spaced (<1cm) "ladder qtz veins" @65° TCA 32.7-58.0 - mainly grey-green to pinkish, locally bluish-green, very siliceous, glassy rock - coarse, brecciated (flow breccia), qtz porphyritic, felsic flow - flow banding - mainly 70-80° TCA 49.9-49.1 - minor gouge 50.0-53.9 - dark brownish-grey, glassy-looking, textures obscured 54.1-54.7 - intervals of gouge, one 5cm zone @30° TCA 58.0- - medium-dark grey, granular, siliceous, not glassy - faintly banded (layered) - generally fragmental appearance - small siliceous blebs - possible tuffaceous material - fragments mainly 70-80° TCA 71.0-72.3 - heavily fractured, minor gouge 76.2 - breccia zone with felsic fragments in chloritic matrix -10° TCA	32.7-50.0 - intermittent patches of light pink (sodic? potassic?) alt'n 58.0-77.1 - moderately altered, mainly with qtz-pyrite veins or siliceous zones. Some color variation (light to medium grey) may reflect more pervasive alt'n - minor chlorite on some fractures	44.0-50.0 - 5% pyrite, mainly as semi-massive lenses with qtz - below 50m, pyrite stringers continue, 2-5% overall 58.0 - 2-5% disseminated & stringer pyrite 72.4 - 5cm semi-massive pyrite layer @80° TCA 75.3 - single grain of chalcopyrite
(Hole Caved) 77.1 EOH			

PROJECT NO. _____

PROPERTY Buchans East

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