

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

Sheet No. 1

LATITUDE _____	Tests	Dip	Magnetic	Corrected	Project No. <u>G-4806</u>	Hole No. <u>2651</u>
DEPARTURE <u>15.106.7E</u> <u>8.445N</u>	Depth		Bearing	Bearing	Property <u>Buchans - Middle Branch</u>	
ELEVATION <u>3703.6</u>	_____	_____	_____	_____	NTS <u>12A/15</u>	Grid Name <u>Mine Grid</u>
DIP AT COLLAR <u>-90°</u>	_____	_____	_____	_____	Date started <u>1967</u>	Completed _____
BEARING _____	_____	_____	_____	_____	Contractor _____	
TOTAL DEPTH <u>1400'</u> CORE SIZE <u>Ax</u>	_____	_____	_____	_____		
REMARKS _____	_____	_____	_____	_____	Logged by <u>J. Harris (1997)</u>	

Depth & Lithology	Description	Alteration	Mineralization
0 - 36'	Overburden		
36 - 1228'	Lundberg Hill Fm. <u>Not Logged</u> Box 822 - 885' - checked - 822 - 847 - felsic to intermediate fragmental dacitic? tuffaceous - locally looks autobrecciated - 847 - 885 - strongly foliated mafic tuff START LOT @ 1202'	847 - 885' chloritic alteration and patchy silicification	847 - 885' - py. 2 - 3% locally more @ 867 2 - 3" silicified with ~ 5% sulphides - minor Pb-Zn and cpy
1202 - 1228'	Felsic to intermediate tuff - some mafic zones - pale grey-green colour - some altered prominent quartz unit - lower 4 - 5' andesitic	weak quartz sericite alteration	minor py.
1228 - 1283'	Felsic tuff - maybe altered Arkose in part, grey green colour - lithic fragments and k-spar - quartz and plag. chips/crystals in a soft sericitic groundmass - resembles Buchans River Fm. dacite tuff locally - may be lower part of Arkose - upper part of Buchans River i.e. transitional, such as some interbedding of tuff and arkose seen in other holes - lower 25' more dacitic - lower contact appears conformable but some lost core between 1279 and 1299'	sericitic alteration of groundmass - moderate	

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Depth & Lithology	Description	Alteration	Mineralization
1283 - 1334'	Mafic volcanic - fragmental - medium to dark green - locally amygdoidal with pink and white calcite - <u>Sandy Lake Fm.</u> - calcite and epidote stringers - upper 2 - 3' appear brecciated with epidote cement - more likely primary feature - becomes progressively more sheared and foliated downhole - foliation $\approx 70^\circ$ to the core - 1325 - 1334' - < 3' recovered - fault zone?		< 1% pyrite 1325 - 1334'
1334 - 1400'	Sediments - pale grey green siltstone mainly - soft sediment disruption throughout giving brecciated appearance - very similar to bottom of 2772'	local black chlorite coating fractures 1352 - 1354' - some quartz stockwork veining	very minor pyrite 1352 - 1354' very minor Pb-Zn and py. possible barite
1400' - E.O.H. -			

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