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Depth & Lithology	Description	Alteration	Mineralization
0 - 66'	- Overburden	Very poor core recovery 1422 - 1468'	Between 1426 and 1428 - only 2 - 3' core maybe breccia. Quite a lot of Py. fragments. Also Pyritic 1422 - 1426'
66 - 1422'	- Non-coring	only 10' recovered 1484 - 1502 only 3' recovered 1512 - 1522' ≈ 55% recovery 1522 - 1558' ≈ 18' core recovered	
1422 - 1428'	- About 1' of mafic and intermed vol. tuff - 1422 - 1426' mainly mafic tuff		
1428 - 1435'	- Mafic dyke - diabase		
1435 - 1440'	- Small amount of rubble - mafic tuff		
1440 - 1446'	- Mafic dyke rubble		
1446 - 1474'	- Mafic volcanic - tuff - Dark green to black, fine grained - Foliation/banding at 75 - 80° to the core	Chloritic alteration throughout locally fairly strong black chlorite	Py 2 - 4% mainly as thin concordant bands (beds)
1474 - 1550'	- Interbedded felsic and mafic tuffs - dacite and andesite - Generally fragmental - Felsic - light green to pink with fairly large quartz and feldspar phenos - Mainly felsic to 1528' - mainly mafic below	Some sericitic and chloritic alteration	Py to 1% as disseminations and disseminated blebs

HOLE NO. 1949

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

Depth & Lithology	Description	Alteration	Mineralization
1550 - 1747'	- Mafic volcanic, basalt - often fragmental - Upper contact, maybe sheared - but lost core - Green to reddish colour - Amygdoidal - mainly calcite infill but rarely silica - Calcite is white and pink - (looks like Sandy Lake Fm. basalt) - lost core and some grinding at contact	Hematitized and chloritic - heavy carbonate veining etc. - local wormy silicification - also common epidote stringers and blotches	
1747 - 1800'	- Felsic volcanic tuff - Dacitic tuff ore horizon - Not typical Buchans River Fm. dacite, but some short 1 - 3" section are i.e. dark greenish with plag. phenos - Maybe obscured by alteration	Moderate to strong silica - epidote alteration some chloritic alteration	No apparent sulphides - some minor Py.
1800 - 1808'	- Hematitized mafic vol.? - Red hematitic with a few short green zones or clasts - Fairly hard	Clots and bands of epidote	
1808 - 1811'	- Mainly mafic vol. and epidote cemented breccia <1' of core recovered.		
1811 - 1849'	- Felsic to intermediate tuffs and fragmental volcanics - 1811 - 1820 - only about 2' recovered - looks mainly like green dacitic tuff - 1820 - 1849' - Pale grey green fragmental - looks like altered mafix (as below) - Ocassional felsic clasts but mainly indistinct andesitic clasts with altered feldspar phenos - tiny - pumiceous and/or lapalli fragments	1820 - 1825' - moderate to strong silicification Sericitic alteration and weak silicification	Minor Py. and ocassional disseminated Pb - Zn - grains and ocassional barite veining eg. ≈ 1837 - 1838
1849 - 1900'	- Mafic to intermediate lapalli tuff to breccia - Medium to dark green - Less altered version of above - Wispy lapalli and locally amygdoidal basalt clasts in a pale to dark green chloritic matrix - Chloritic matrix - Chlorite and calcite filled amygdules - @ ≈ 1892' to bottom chloritic shearing - very poor recovery E.O.H.	Sericitic alteration of feldspars Some weak chloritic alteration Some black chlorite on fractures	To 1% disseminated hematite locally