

LATITUDE _____

Tests	Dip	Magnetic	Corrected
Depth		Bearing	Bearing

Property Buchans - Clementine, Lake 7

Date started 07/05/70 Completed 20/04/71

Logged by Jim Harris - 1998

Depth & Lithology	Description	Alteration	Mineralization
0 - 38	Overburden		
38 - 577 (could be 568) (not logged in detail)	Prominent quartz phylite grey-brown and reddish brown, locally bleached buff mafic dykes @ 181 - 182.5 and 299.5 - 301.0 local zones of fracturing and bleaching ie, 277 - 288 and 416 - 440 bleached 547 to 577, no evidence of shearing at contact	feldspars locally altered to sericite 547 - 560 only 2' of core 560 - 578 8-7' of core 578 - 581 12' of core for 3' (hole depth and contacts may be off by 9')	minor disseminated pyrite 547 - 577
577 - 749	Felsic to intermediate tuffs and pyroclastic breccia (dacitic) light green to grey-green, may be Buchans River Fm. fairly abundant black chloritic or sericitic pumice lithic fragments of siltstone, rhyolite, an a few mafic volcanic may be weakly sheared between 647 and 651 $\approx$ 2.5' lost core	577 - 650 chloritic and/or sericitic alteration of pumice starting at about 650' the unit gradually becomes altered	pyritic from 647 - 749 pyrite generally around 1% but local zones have 5-8%

HOLE NO. 2799

DIAMOND DRILL CORE LOG

749 - 848	below $\approx$ 733' finer grained dacitic tuff and similar to some BR. Fm. tuffs Altered felsic tuffs and pyritic siltstone grey to buff 750 - 753 lithic tuff to pyroclastic breccia possible small shear @ 753 753 - 767 light grey sheared felsic rock includes some of prominent quartz unit common small fault gouges 767 - 784 grey felsic rocks, one section of possible flow banded rhyolite784 - 812 pyritic siltstone with some felsic tuff 812 - 848 hard silicified and altered rock	weak to locally moderate sericitic and silicic alteration often as stockwork very strong quartz - sericite - pyrite alteration	2" semi-massive pyrite @ 709' @ 711 small stringer or Pb-Zn occasional fleck Pb-Zn below 711' pyrite averages 10-15% with zones of up to 25% and locally semi- massive local flecks and small stringers of Pb-Zn various colors of sphalerite in the pyritic siltstone red, black and almost white
848 - 991	Prominent quartz rhyolite or tuff altered - grey and buff @ 915 6" fault gouge and breccia 934 - 950 $\approx$ 40% fault gouge and breccia below 975 unit is sheared to pale green - chloritic lower contact strongly sheared	strong quartz - sericite - pyrite alteration appears to be decreasing down hole	848 - 959 averages 8-10% pyrite with zones of 25% + as semi- massive bands to veins 959 - 991 $\approx$ 2-3% pyrite decreasing downward
991 - 1015	Seared mafic volcanic 991 - 995 very strong shearing at 55-75° to the core strong shearing throughout mottled pale green and brownish		

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1015 - 1050	Siltstone, black and grey, bedded around 70° to the core but varies 1015 - 1023 sheared some dacitic tuff beds near 1015		minor pyrite near 1050
1050 - 1074	Dacitic lithic tuff to pyroclastic breccia grey-green, commonlight green sericitic pumice pale pink rhyolite fragments contact appears to be conformable	weak to moderate quartz - sericite alteration	minor pyrite
1074 - 1108	Mafic fragmental light to dark green amygdoidal basalt fragments in a chloritic matrix 1' of jasper or hematitized mafic @ 1090 some shearing throughout 1091 - 1108 well sheared @ 45° to the core		
1108 - 1150	Dacitic tuff as for 1050 - 1074 grey-green, sericitic, pumiceous moderately sheared throughout	weak to moderate quartz - sericite alteration	
1150 - 3300	Mafic volcanic - fragmental and pillow lava sheared and foliated @ 50-60° to the core down to 1161light and dark green colors amygdules of pink and white calcite and locally hard pink to orange feldspar? near top mafic dykes @ 1649 - 1654 and 1724 - 1730 fault gouge and shearing 1728 - 1730 @ 45° to the core mainly basaltic fragmental with pinkish calcite amygdules to 1926 1926 - ~ 2900 zones of quartz - sericite pyrite alteration	~ 2213 - 2377 zones of stockwork quartz - sericite - pyrite c chlorite alteration mafic locally looks like altered felsic 2270 - 2336 strong alteration - looks felsic	pyrite varies from 1 to up to 40% mostly very finely disseminated but locally as thin veinlets (especially in less altered zones) rare flecks cpy

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	2377 - 2412 flooded with calcite - some pyritic fragments part of Lake 7 alteration zone? 2548 - 2590 massive amygdoidal flow or sill - very little alteration below ≈ 2900 harder, more andesitic some lapilli tuff beds (locally resembles Ski Hill Fm.) - 3300 E.O.H. - -3300 - E.O.H. -	2412 - 2475 strong alteration 2590 - 2790 strong alteration patchy alteration between strong zones 3029 - 3060 epidotized	minor cpy - ie, @ 3056
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J. TUACH GEOLOGICAL CONSULTANTS, INC.
DIAMOND DRILL CORE ASSAYS

SHEET NO. _____

PROJECT NO. B4272

HOLE NO. 2799

PROPERTY Buchans - Clementine, Lake 7

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