

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

LATITUDE _____

DEPARTURE _____ 3550.0 W 4050.0 N

ELEVATION _____ 3463.0

DIP AT COLLAR _____ -90°

BEARING _____

TOTAL DEPTH _____ 607' CORE SIZE _____ Ex

REMARKS _____ Drilled on Lake 7

Tests
Depth

Dip

Magnetic
Bearing

Corrected
Bearing

Project No. _____ B4272 Hole No. _____ 268

Property _____ Buchans - Clementine, Lake 7

NTS _____ 12A/15 Grid Name _____ Mine Grid

Date started _____ 25/02/38 Completed _____ 07/03/38

Contractor _____

Logged by _____ J. Harris - 1998

Depth & Lithology	Description	Alteration	Mineralization
0 - 21	Overburden		
21 - 40	Pyroclastic breccia (4 cq.?) green to pink fragments of rhyolite, basalt and pumice matrix of chloritic pumice, quartz and feldspar fairly coarse quartz		
40 - 69	Hematitized crystal lithic tuff or sediment small chips and fragments similar to above in a hematitized matrix 64 - 65 unhematitized		disseminated magnetite
69 - 178	Pyroclastic breccia to crystal lithic tuff (4 cq.) locally arkosic looking fragments mainly rhyolite and pumice with chips of orange feldspar and quartz 117 - ~ 157 wispy sericitic pumice and shards give a crude layering at 45° to the core occasional beds or fragments of green cherty siltstone a few jasper fragments 166 - 167 appears weakly sheared 167 - 172 pumiceous felsic tuff	weak sericitic and chloritic alteration of pumice some lost core throughout	@ 147 small altered clast with pyrite and cpy
178 - 184	Lapilli tuff mainly wispy dark green mafic lapilli or pumice in a light grey-green siliceous matrix a few rhyolite fragments, some chilled dyke near 172' pyroclastic breccia as for 69 - 178 191 - 192 fine grained sheared or layered @ ~ 60° to the core - looks sheared		
184 - 195	Pumiceous tuff, similar to 178 - 184 mainly wispy chloritic mafic fragments in a light siliceous matrix, some quartz and feldspar grains		

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Depth & Lithology	Description	Alteration	Mineralization
195 - 239	Pumiceous tuff , similar to 178 - 184 mainly wispy chloritic mafic fragments in a light siliceous matrix, some quartz and feldspar grains		
239 - 249	Siltstone (only ≈ 3' of core) grey-green brecciated siltstone and tuff some evidence of shearing		239 - 249 < 1% disseminated pyrite
249 - 278	Mafic dyke, fine grained, black to dark green upper contact lost, lower contact chilled		
278 - 295	Silicified felsic volcanic or siltstone ≈ 5' of core		
295 - 354	Mafic dyke		278 - 295 up to 1% disseminated pyrite
354 - 583	Altered felsic tuffs/flows, similar to at top of H2936 light grey to buff, dacitic tuffs 358 - 359 chilled mafic dyke 354 - 414 light grey to buff, strongly silicified, may be rhyolite locally vague fragmental textures apparent locally weak shearing at low angle to the core 414 - 491 dacitic tuff or porphyry with prominent quartz grains local visible altered feldspar laths 434 - 435 sheared at 55-60° to the core, some local shear and gouge zones throughout 491 - 583 dacitic tuff, fine quartz, pumiceous locally fragmental locally core recovery becomes progressively worse below 470' 540 - 546 sheared altered tuff, shearing @ 45-50° to the core 552 - 561 reddish hematitized mafic or siltstone strongly sheared from 540 - 583 (530 - 583 less than 20' of core)	strong quartz - sericite alteration throughout (core appears to be mixed up locally) → (Lost core in area) (530 - 540 8' lost core)	354 - 414 1-2% disseminated pyrite local minor Pb-Zn mainly associated with thin calcite and quartz stringers locally disseminated also @ 396 - 406 up to 1% Pb-Zn 414 - 491 generally 1-2% pyrite locally more, local Pb-Zn as above ≈ 1' section @ ≈ 424 - 425' with 2-3% Pb-Zn stockwork veinlets 540 - 546 2-5% pyrite very fine pyrite
583 - 607	Hematitized mafic volcanic sheared 583 - 596 and 600 - 605' a few calcite amygdules only about 10' of core - 607 E.O.H. -		

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

SHEET NO. 1

PROJECT NO. B4272

HOLE NO. 268

PROPERTY Buchans - Clementine, Lake 7

[illegible]