

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

Sheet No. 1

LATITUDE _____
 DEPARTURE 9.500N 14.000E
 ELEVATION _____
 DIP AT COLLAR -90°
 BEARING _____
 TOTAL DEPTH 1621' CORE SIZE _____
 REMARKS Start at 816' (NOTES)

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Project No. _____ Hole No. 1670
 Property Buchans - Middle Branch
 NTS _____ Grid Name _____
 Date started _____ Completed _____
 Contractor _____

 Logged by J. Harris - 1996

Depth & Lithology	Description	Alteration	Mineralization
816 - 826'	- Prominent quartz, intermed - fragmental - Grey green - Quite a few pink feldspar crystals (unusual)	Weak silicification	
826 - 835'	- Reddish to grey green arkosic sediment - Very poor core recovery - Possibly some tuffaceous zones		
835 - ~ 875	- Mafic volcanic - fragmental? - Grey green mottled - amygdoidal - calcite - Some jasper "inclusions" near top	Patchy epidote - silica alteration and calcite alteration	
875 - 894	- Mafic dyke - fine grained - massive - Local calcite veining		
894 - 1087	- Arkose and arkosic conglomerate - Mainly felsic volcanic clasts but wide variety of types including mafic volcanic - Occasional cherty beds - 1055 - 1075' Diabase dyke, upper contact ground, lower contact chilled @ 45° to the core		

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
1087 - 1103'	- Rhyolite - fine grained - pink to brownish - slight chilling at contacts - Intrusive - feldspars porphyritic		
1103 - 1621'	- Arkosic conglomerate and Arkose - interbedded conglomerate and "sandstone" - Occasional cherty siltstone beds - not well bedded but locally at $\approx 55^\circ$ to the core - 1238 - 1243' - diabase dyke - Below $\approx 1300'$ - no conglomerate - pinkish brown arkosic sandstones - 1422 - 1432 - some quartz carbonate veining to flooding - Also dark chlorite on fractures - Core not logged below 1487'	1238 - 1319 - very poor core recovery $\approx 28'$ recovered some weak foliation very locally	

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