

Latitude 19667N
 Departure 23400E
 Elevation ~260m A.S.L.
 Dip at Collar . . . -45°
 Bearing 138.5°T (from old log)
 Depth 289' Core Size EX/BQ?
 Remarks Relog of 1950's hole (Core at Buchans)

Noranda Exploration Company, Limited
 DIAMOND DRILL CORE LOG

Tests Dip Magnetic Corrected
 Depth Bearing Bearing

Project No. . . . 4752
 Property Connell
 NTS 12A/15
 Date Started . . 93/09/10
 Contractor . . . N/A

Sheet No. 1 of 3
 Hole No. R1 #1
 Grid Name. Connell (1993)
 Completed 93/09/10
 Logged By G. Squires

Depth & Lithology	Description	Alteration	Mineralization	Remarks
0-9'	Overburden			Ex core from 9' to 17' BQ core below 17'
9'-16' Black siltstone	Massive to banded at 70°C.a. (sort of cherty) basal contact not preserved.			
16-17' Pinkish (rust?) sandy fsp tuff	Pinkish, weakly sericitized. Densely feldspar (1-3mm) rich (>80%) banded crudely at 60-70°C.a.	Wk pervasive sericite		
17-17.3' Dark green siltstone/ chert	(Increase in core size indicates redrilling of hole.) Base of chert sharp against pinkish tuff again at 90°C.a. (i.e. this is same unit as 9-16'?)	nil		
17.3-21' Pinkish sandy fsp tuff	Pinkish tuff again. Crudely banded at 60-70°C.a.	Wk pervasive sericite		
21-29' Black slst/chert	As in 9-16'. 70°C.a. laminae. Locally dark green colour.			
29-29.8' Interlaminated red and green chert and tuff	Bands about 1cm each.			
29.8-34 Interlaminated grey-green chert and tuff	Interlaminated grey-green chert and .5-1cm fine sandy tuff beds.			
34-36 Red and dark green chert bands	5cm wide interbands.			
36.-39 "Colourful" tuff and chert	Interlaminated (~5cm bands) dark green chert and reddish "colourful" chert marker? Latter consist of fsp xals and pink fsp or chert fragments similar to that seen in holes to east. Also probably same source as pinkish tuffs higher in hole.			
39-40 Red chert				

Project No.....4752
 Sheet No.....2 of 3
 Property.....Connell
 Hole No..... RI# 1

Depth & Lithology	Description	Alteration	Mineralization	Remarks
40-61.3 Green chert/silt and tuff	Cherty unit (laminae 70°c.a.) which locally grades into silty to sandy tuff (red chert at 52-56')			
61.3-65 Sandy tuff	Minor silty interbeds. Fsp most obvious clast component.			
65-67.2 Grey chert	Grey chert.			
67.2-67.6 Massive py	Fine grained, 100% py (~1-2% calcite or barite, grey) no base metals (microscopically viewed).		67.2-67.6 100% py	
67.6-70 Grey chert (mineralized)	As above chert with 1-2% stringer py and cpy at 69.3-69.6'. One chip of semi-massive py/sericite at 69.9 (1cm diameter-core loss)		69.3-69.6 1-2% stringer cpy and py	
70-71 Fault gouge	Puggy fault gouge with sericitic sheared tuff "poker chips".			
71-85 Sandy carbonatized tuff and chert	Interbedded fine sandy tuffs (and silty tuffs and cherts).			
85-89 Light brown silty tuff	Light brown siltstone grading locally into silty fsp bearing tuff (minor green chert bands).			
89-94.5 Grey chert (mineralized locally)	Typical grey chert of mineralized horizon. See mineralization column.		91.75' 1cm band of massive "ore" banded at 80° to core axis. ~90% fg gn ± sp 3% wisps of cpy 2% grey barite trace py 91.75-94.5 Trace to 1% cpy veinlets.	
94.5-128 Ashy to sandy tuff	Med-dark grey variable sandy tuff with ashy zones and local chert (chert at 96-97, 102-103, 105-106.5, 108-109. Tuff coarse and sandy with rhyolite/chert fragments at 109-113' and 119-125')			
128-130.5 Chert	Grey chert banded locally at 60-70°c.a. base gradational.			

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 Property.....Connell
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Depth & Lithology	Description	Alteration	Mineralization	Remarks
130.5-136 Ashy tuff	Ashy to fine sandy tuff with minor chert band at 134-134.5			
136-150.5 Chert	Grey chert with minor ashy zones.			
150.5-166 Fine sandy tuff	Lt-med grey brown	161-166'siliceous		
166-289 Coarse sandy tuff	Rock a bit altered so grains diffuse. No fines, grains average 2-4mm and consist of grey qtz, white fsp and possible rhy fragments with 2-5% black chlorite "shards". Rock appears quartz crystal rich. Note: This unit looks like same unit in top of hole RI #5.	Local patches of epidote/sericite and pink (feldspar/calcite) alteration Rock is generally siliceous/silicified throughout		
289 EOH				