

Latitude 19725N
 Departure 23523E
 Elevation ~260m A.S.L.
 Dip at Collar . . . -45°
 Bearing 138.5°T (from old log)
 Total Depth . . . 95.7m Core Size EX?
 Remarks Relog of 1952 hole (Core at Buchans)

Noranda Exploration Company, Limited
 DIAMOND DRILL CORE LOG

Tests Magnetic Corrected
 Depth Dip Bearing Bearing

Project No. . . . 4752 Sheet No. . . 1 of 2
 Property Connell Prospect Hole No. . . RI #3
 NTS 12A/15 Grid Name . . Connell (1993)
 Date Started . . 93/03/05 Completed ...
 Contractor . . . N/A
 Logged By G. Squires

Depth & Lithology	Description	Alteration	Mineralization	Remarks
0-6'	Overburden			
6-32' Chert	Med-dark green lam chert (80-90°c.g.) (minor tuff). Base gradational.			
32'-48' Lapilli tuff	Med green tuff. Coarsens down hole to coarse sand (well washed) at sharp base (Base load cast into underlying slst/chert). Tuff contains sandy jasper frags, chloritic frags, yellow and white feldspar frags and blue quartz and frags. (Tops up). Bedding not developed.			
48'-149.5 Dark chert and mudstone.	Laminated to massive chert and mudstone. Dark grey to dark green. Bedding 80-90°c.a.			
149.5-152 sericitic tuff	White fsp phenos (5-20%, 1-2mm), strongly sericitized, bedded laminae at base 70-80°c.a. Poor core recovery.			
152-~162 dark green chert	(Poor core between 160' and 165'). Laminated 80-90° to c.a.			
~162-~166 "colorful lapilli tuff	Coarse at top (clasts ~.3-.5cm, one 2 cm slst). Medium sandy at base (could be different beds (poor core recovery).	sericitized matrix	poor core recovery	colorful tuff at 164-165' identical to one in hole RI #2 at 33.3.
166-235 laminated mudstones/chert	Dark grey laminated mudstones and chert (80°c.a. at top changing to 60°c.a. at base gradually-hole deviation? folding?			
235-256.0 sericitic fine to sandy tuff (lithic locally)	Light sericitic green laminated ~60-70°c.a. gets coarser down hole. At 241.5 to ~256.0 contains large 1cm to 4cm dark green and reddish slst/chert clasts (massive). Identical to unit at 83'92' in hole RI #2.	strongly sericitized matrix (and pervasive)		10cm red jasper clast or bed at 250'
256.0-260.0 sericitized tuff	Probably same unit as above but unsorted, lacks slst (rhy?) clasts and has 5-10% chloritic shards (generally coarser than above so can see feldspar easier).			
260.0-~263.0 (ore chert?)	Actually laminated to massive mudstone (260-261). Grey chert at 261-263 is ghostly and similar to that surrounding ore at RI #2			

NORANDA EXPLORATION COMPANY LIMITED

DIAMOND DRILL CORE LOG

Project No..... 4752

Sheet No..... 2 of 2

Property..... Connell Option

Hole No..... R.I. #3

Depth & Lithology	Description	Alteration	Mineralization	Remarks
263.0-292.0 silty-sandy tuff	Non-descript. Medium green granular to fine sandy tuff generally massive with faint bedding at 70°c.a. and local gradations into mudstone. Fine feldspar and possibly qtz fragments seen.	mod sericite.		
292.0-309.0 coarse lithic lapilli tuff	Very similar to that in hole R1 #2 at 118-132'. Well washed with chloritic pumice shards. Some pinkish rhy ± and fsp frags give arkosic look to it.	weak matrix sericite	300-306.0' frequent splashes of cpy. One veinlet of sp	
309.0-314.0 (poor core recovery)	Fine ash-sandy tuff. Pale to med green, f anular, but overprinted with sericite.	wk-mod perv sericite		
314.0 EOH				

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 Remarks Relog of Connell Option 1952 Hole)

Noranda Exploration Company, Limited
 DIAMOND DRILL CORE LOG

Tests Magnetic Corrected
 Depth Dip Bearing Bearing

Project No. . . . 4752 Sheet No . . . 1 of 2
 Property Connell Prospect Hole No. . . Red Indian #3
 NTS 12A/15 Grid Name . . Connell Grid (1993)
 Date Started . . June 9/93 Completed . . June 9, 1993
 Contractor . . .
 Logged By Kerry Sparkes

	Description	Alteration	Mineralization	Remarks
0-1.83	Overburden			
1.83-9.80 chert/minor tuff	med to dark green wk-mod laminated chert (C.A. -80°-90°lca) noted one 25cm fg pale green tuff horizon fining upwards.			
9.80-14.6m reworked tuff Depth & Lithology	Fining upward polyolithic tuff-med.green sharp base w/ feldspar laths enveloped by underlying siltstone (load casting). At base frags are 0.5cm-1cm jasper, blue qtz eyes, white euhedral rounded feldspar, yellow feldspars, black siltstone frags from underlying unit. Green chert fragments, hard qtz eye or amygule rock fragments < ? felsic or mafic). At 10.1m (085-090) ca graded bed < 0.25m grain size.			
14.6-45.6m mudstone w/ silt stone w/ chert	Moderately laminated locally massive mudstone w/ minor cherty units, and local silty units, minor fg tuff horizons which fine upwards but are not bedded. Unit is dominantly black with dinty grey silty units and grey chert. 20.42m - 80-85°lca, 38.0m - 80-85°lca.			tops are upwards northwest.
45.6-46.33m tuff	Buff-green sericitized poorly bedded feldspar rich 1-2mm-phenos, white in color.	sericite		
46.33-49.4m chert	Dark green-laminated 80°lca local mudstone			
49.4-50.6m reworked ash- lapilli tuff	Fg mm dirty green/greywacke tuff fining up over few cms with a unit of lapilli size fragments - clasts 0.3cm-1cm noted colorful nature- pink-white large clasts.	wk sericite		very poor recovery of core. - correlate to R1 #2 at 10.14m - wk hint that overall unit may fine-up, reverse up and fine up
50.6m-71.6m mudstone /w chert	Well laminated green/grey/black mudstones and chert w/ 66.75-68.3 local ash tuff layers. 66.4m - 60°ca			possible hole deviation

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 4752
Property Connell Prospect
Sheet No. 2 of 2
Hole No. Red Indian #3

Depth & Lithology	Description	Alteration	Mineralization	Remarks
71.6m-79.3 fining up tuff (reworked)	Olive green fining up sequence at the base 1-2mm grain size up to a very fine grained ash size, fragments of 1-2cm chert and 5-6cm mudstone are incorporated, local red chert 66.75-68.3 and green chert horizons, black chloritic fragments.	sericitized w/ a distinct mottled appearance at top		
79.3-80. 1m chert w/ sulphide (ore horizon)	Dk grey chert, massive, fractured.		sulphide py/sph on fracture entire unit has fine stringer py throughout, x-cutting.	
80.1m-94.2 coarse tuff reworked	Grey green fining up poorly bedded poly lithic lapilli tuff 2-4cm size frags at the bottom fining up to fine grained ashy/sandy massive non-descript grainy tuff, local mudstone/cherty units near the top. Near the bottom-pinkish rhy?-red chert, feldspar frags give a arkosic look. This is a very distinctive unit at bottom 89.0-94.2 - coarse portion.		91.44-93.26m notable splashes of chalcopryite on fracture locally diss.	
94.2-95.7 ash tuff	Fg olive green massive waterlain tuff.			
95.7	E.O.H			