

Latitude.....11+30N
 Departure.....3+00E
 Elevation
 Dip at Collar.....-60°
 Bearing.....153
 Total Depth.....298.4m
 Remarks.....Troparii Test

Core Size. . BQ

Noranda Mining & Exploration Inc.
 DIAMOND DRILL CORE LOG

Test Depth	Dip	Magnetic Bearing	Corrected Bearing
176m	53°	192	167
298m	46°	198	173

Project No. 10-119
 Grid Name...Little Sandy
 Property. . . . Little Sandy
 NTS. 12A/15
 Date Started. . March 24/94
 Contractor. . . Longyear Canada
 Logged by:.....K. Sparkes

Sheet No1 of 3
 Hole No.. . LS-94-1

completed.....March 29/94

Depth & Lithology	Description	Alteration	Mineralization	Remarks
0-2.4m	Overburden			
2.4-5.8 Rhyolite	Light grey to milkybeige fg. massive rhyolite with abundant micro-fractures filled with silica and chlorite, locally broken and irregular	Granular appearance with sericite spots	Towards base fractures have py at a broken irregular mafic/felsic contact	
5.8-187.1 Wk-intensely altered mafic volcanics	Med to dark green weak intensely altered massive amygdaloidal mafic flows with local pillowed flows. Amygdules are filled with qtz, py, tr hem. 17.4-20.1 Monolithic breccia with sub-angular to sub-rounded fragments. Fragments are hard with chlorite matrix, some fragments are up to 6cm long and look felsic. 69.2-96.6 Unit massive, grainy, weak chloritic with minor bleaching and minor sulphide	Wk-mod hydrothermal. Alteration evident down the hole-abundant black chlorite/pyrite veins-dominantly sheared, local sil-bleaching around margins. The black chlorite + pyrite may be just alteration around pillow rims and not related to alteration of a true stockwork system.	3-4% overall pyrite as disseminations and stringer with black chlorite. Py replaces qtz/carb in amygdules Locally there are sharp veins 2-3cm up to 12cm of massive pyrite - notable veining at 15-15.3m, 35.9-36.3m, 54.6-54.8m, 67.4-67.52 - massive vein, UC 055° CA, LC 045° CA Sulphide veins cut core at multiple angles. Pyrite veinlets also anastomose through unit like they are rimming pillows 69.2-98 trace sulphides	19.5-040° Fault gouge 24.2 - 050-060° gouge 38.6m - wide sil, chl alt. 010-050° CA. Fault Zone very competent. Most sulphide + qtz veins are sheared

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Property ...Little Sandy
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Hole No LS-94-1

Depth & Lithology	Description	Alteration	Mineralization	Remarks
	~96.6-120.0 Competent unit with wk-mod silica alteration overprint	96.6-120.0m Unit has a bx appearance with silica filling interstices. ~110-120m unit takes on an autobreccia appearance with silica flooding, frags are chloritic. Qtz spots with pink halo; look like they nucleated	69.2-98 trace sulphide 98-107.3m sulphide content increasing to 2-3% as above Same style.	
	120.0-148.4 Mod-intense silicification *Note alteration is increasing down hole to the mafic/gabbro contact	120-148.4 Zone of mod-intense silicification with a distinct autobreccia appearance locally where silicification becomes intense only kernal-like structures of original host rock are apparent.	Veins of cg py/qtz locally an increase in buckshot pyrite down to ~131.0m	148.4m Chaotic fault bx zone with gouge abundant qtz/carb veinlets, mod black chlorite w/abundant py
	140.4-187.1 Massive granular less altered mafic volcanics with intercalated pervasively silicified zones. * These pervasive zones have sharp contacts. They could be sil "Rhyolite Dykes" ~166.7 - pillow rim with noted epidote 172.2m Abundant amygdules in a very chloritic mafic	157.6-164.9 F.G. glassy, fractured pinkish grey pervasively silicified unit with late pink crosscutting veins LC sharp broken, fractures have carbonated;		160.3 Fault gouge 162.0 Fault gouge
	164.9-187.1 Fault gouged strongly fractured, grainy, grey-green mafic with local sub-rounded to sub-ang fragments. 186-187.1 - One frag had a flow banded look. This breccia may be just a local talus breccia. Frags are both felsic (sil) and chloritic.	164.9-168.3 Strong to pervasive chlorite alteration -qtz-carb fractures - loc silicification overprint - local chlorite 181.5-187.1 pervasive sil zone linked 157.6-164.9	174.5-175.0 py stringers with black chlorite, silicification	172-172.5 Chloritic with abundant amygdules * None of these amygdules have the ameba or enveloping look like amygdules seen in a rhyolite (glassy look)

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Project.... Little Sandy
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Sheet No 3 of 3
Hole No LS-94-1

Depth & Lithology	Description	Alteration	Mineralization	Remarks
187.1-253.9 Altered Gabbro	Contact between gabbro and overlying mafic (hangingwall) is fault bounded, gouged, broken and a chill margin is not apparent. - fg black locally mottled leucoxene rich gabbro, silicification of silica rich minerals gives the mottled look. LC - is chilled over several meters and is dominantly marked by the last occurrence of leucoxene and the first appearance of amygdulites from the underlying pillowed mafic. At this contact both units are chloritized and f.g., looking very similar.	188.9 Strong pervasive black chlorite leucoxene is f.g. and purple and down not coarsen like in other holes. 194.1-203.1 Massive sil zone with local kernel-like chloritic frags. This unit may be a fault incorporated silver or panel	188.4-188.55 15cm zone of intense black chlorite, with qtz vein with 3-4% cpy in the 045° CA vein	205.2-206.8m mafic dyke UC 045 LC 045 Contacts sharp and chilled. Unit is magnetic and pristen.
	224.0 Unit is mg mottled with intergrowths of plag & pyroxene. Unit is fg non-descript with no leucoxene after 235.6m.	LC Sharp 060° CA 210-210.3 UC 020°, LC 080° Pervasive sil unit like above looks like a dyke. 232.6 Leucoxene still present. Last occurrence of leucoxene at 235.6m	211.6 tr cpy 215.9-219 tr veinlets and fracture fillings of cpy, 1-2% buckshot py, 224.6 tr cpy	243.8 High angle shear with pyrite 244.6-246.9 badly broken core
253.9-298.4 Pillowed mafic flows	F.g. chloritized green-black amygdaloidal pillowed mafic flows with local epidote and hematite ~254.9. First appearance of carbonate filled amygdulites. 296.6 Note pillow core with f.g. amygdulites in center getting larger and wider spaced towards margins	Loc qtz/carb veins 255.3-258.9 mottled look due to weak silicification. 260.2-266.3 - Mottled patchy pervasive black chlorite with grey to purple silic alteration 266.3-270.1m Wk silicification overprint 272.2 Hematite/epidote local carb filled fractures, 278.3 045° band sericite	237.6 Qtz veinlet with tr cy/py	Abundant qtz filled amygdulites
298.4 E.O.H.				