

Depth & Lithology	Description	Alteration	Mineralization	Remarks
0-2.4	Casing			
2.4-81.9 Basalt	Dark grey-green basalt with local, poorly developed flow brecciation. Latter zones are moderately chloritized and contain up to 3% pyrite. Cut by massive dark grey basalt dykes at 5.0-12.5 and 14.0-14.7. They feature chilled margins and magnetite-bearing centres. Contact at 5.0 is 30° to flow breccia fabric. 24.8-37.2 Green basalt flow breccia. Basalt dyke at 27.1-30.8 has weak hydrobrecciation and infilling with quartz-calcite. .5cm wide calcite-pyrite stringer follows core from 31.6-32.0. Pale grey, laminated pyritic chert at 33.0-33.4, 33.8-35.1, 37.0-37.2 37.2-69.3 Green pillowed basalt. Alternating massive and amygdaloidal parts, mixed with epidotized rim fragments. 3% py above 50.0 and at 54.5-55.5, 68.6-69.3 occurs as coarse disseminated blebs and associated with quartz-epidote veinlets. Nonmagnetic 69.3-81.9 Very dark grey basalt hornfels cut by 5% stockwork veinlets of quartz-calcite-epidote-sericite with local traces of pyrite. Strongly magnetic, locally has a deep purple cast.	Local chloritization	Locally 3% py 5% py from 31.6-37.2	Bedding uniform 60° to c.a.
81.9-122.7 Gabbro	Medium-grained, grey equigranular gabbro with local pods of deuteritic looking pink feldspar. Strongly magnetic throughout. Chilled "top" and "bottom" margins. Contains xenolith of above interval at 84.6-85.1 which contains 2% pyrite in a pink albitized (?) zone 5cm across. Unfoliated fault gouge 1cm thick at 109.3 crosses @ 50° to c.a. Few calcite filled vesicles near lower contact (top?)	Epidotization of pillow fragments	3% pyrite above 50.0, and at 54.4-55.5, 68.6-69.3 Tr cp at 39.2	Fabric in inter-pillow hyaloclastite averages 60° to C.A.
122.7-281.3 Basalt	122.7-132.3 Very dark grey-purple basalt hornfels cut randomly by 2% calcite epidote veins. Strongly magnetic above 128.0, probably hematitic below 128.0. 132.3-146.0 Dark grey-purple pillow basalt. Alternating massive, amygdaloidal and flow brecciated pillow rim material. "Hematization" is most intense in fragmental sections. Grey green porphyritic mafic dyke at 142.4-146.0 has feldspar and (now chloritized) augite (?) phenocrysts. This is the first occurrence of this type of dyke, which is also strongly magnetic. Country rock is not magnetic. 146.0-209.6 Deep maroon, hematized basalt cut by 5% veins and veinlets of calcite-quartz-epidote. Alternating amygdaloidal sections and calcite filled. Mafic (and strongly magnetic) dykes occur at 150.5-151.6,	Hornfels	3% py above 70.0	Bake zone "above" gabbro sill?

Noranda Exploration Company, Limited
DIAMOND DRILL CORE LOG

Project No. . . . 4730
Property Lake Bond

Sheet No. . . 2 of 3
Hole No. . . LB-93-3

Depth & Lithology	Description	Alteration	Mineralization	Remarks
	162.3-163.0 176.6-179.6 (This is cut off by porphyritic dyke at 176.6-190.8). Contacts at 179.6 & 190.8 are 20° to C.A.) Non magnetic mafic dykes occur at 185.6-187.8 and 199.4-200.3. Traces of chalcocite occur in veinlets from 199.1 to 199.4. Zones of pyritic fault gouge occur at 193.9-192.6 and 195.9-196.2. Not magnetic. 209.6-218.4 Predominantly more massive, green basalt flow with lesser hematized pillow breccia at 210.7-215.8 218.4-227.4 Basalt flow breccia has reddened fragments in a green, weakly chloritized matrix. Magnetic below 224.7 227.4-233.1 Green basalt dyke with chilled top and bottom margins. Weakly magnetic. 233.1-281.3 Green pillow basalt. Alternating massive and amygdaloidal (calcite) zones, with some chilled rinds and epidotized hyaloclastite. Monotonous and non magnetic, 5% white calcite veinlets occur below 264.9. They commonly have mm thick zones of chloritization in wallrock.			
281.3-350.8 Mineralized zone	281.3-329.1 Green pillow basalt combines from above without interruption. Interpillow material is strongly chloritized (black) and contains up to 10% pyrite with minor chalcopyrite, sphalerite and rare galena. Up to 2% pyrite (only) is disseminated in pillows. Sulphide (pyrite with minor sphalerite and chalcopyrite) stringers occur below 313.2, with sp/py increasing and cp/py decreasing towards bottom	Strong chloritization of interpillow material	<1% total cp-sp-ga confined to interpillow material	
	329.1-350.8 Similar host rock but sulphide stringers (3% of total rock are 50.50 sp/py and have chloritized haloes up to 2cm thick, which locally coalesce into broad chloritized zones. Minor pyrite and sphalerite and disseminated. Stringers have variable orientations but most are from 60° to 90° to C.A. Stringer cross cut pillows rather than occupying interpillow areas only.	Black chloritization adjacent to stringers	3% stringer py-sp	Contacts at 329.1 & 350.8 are gradational over ~ 2m
350.8-358.3 Basalt	Green, fairly massive pillowed basalt as in mineralized zone above. Contains 2% disseminated pyrite above 352.8 and trace pyrite elsewhere. Below 357.1 is confused zone of brecciation, silicification and quartz veining related to intrusion below.			

Noranda Exploration Company, Limited
DIAMOND DRILL CORE LOGProject No. 4730 Sheet No. . 3 of 3
Property Lake Bond
Hole No. . . LB-93-5

Depth & Lithology	Description	Alteration	Mineralization	Remarks
358.3-405.7 Gabbro	Grey green, equigranular gabbro speckled with 2% euhedral leucoxene. Nonmagnetic throughout. Scattered traces of disseminated pyrite and very rare pyrite-sphalerite veinlets. 10cm mylonite band at 393.8-393.9 (50° to c.a.) below which are chilled marginal phase gabbros mixed with sheared medium-grained gabbro. Deformation diminishes below 401.8 where fine grained basalt dykes cut gabbro.	Patchy epidotization chloritization below 401.8		
405.7	END OF HOLE			