

NORANDA EXPLORATION COMPANY LTD.

Property ZETA		Started July 8, 1984		FIELD CO-ORDINATES		SURVEYED CO-ORDINATES		DIP TESTS						NTS no. 115 P/14	
Hole no. Z-84-1		Finished July 8, 1984		Lat. 18+97E		Lat.		Depth	Bearing	Dip	Depth	Bearing	Dip	Project no. 95	
Bearing 335°		Length 40.1 m (132 ft.)		Dep. 19+42N		Dep.								Logged by B. Jago	
Dip - Collar -45°		Core size NQ		Elev.		Elev.								Sheet 1 of 2	
METRES		% Recovery	Graphic Log	DESCRIPTION OF UNITS	% Mineralization	Sample no.	METRES			ASSAYS					
From	To						From	To	Length	Ag	Pb	Sn	As	Sb	
0				OVERBURDEN											
6.5	20.7			FRESH TO HIGHLY ALTERED SYENITE:											
				Fresh syenite is K-feldspar phytic with varying % of phenocrysts in a coarse-grained groundmass of 15-20% Hbl + Bio, feldspar and minor quartz.											
		100		6.9 m: Slickenside @ 60° to C.A.											
		100		6.9-7.0 m: Kaolinization and minor limonite.		42478	7.25	8.23	0.27	0.28					
		75		12.4-16.2m: Friable section of weakly to moderately kaolinized syenite. Hbl altering to Bio.											
		85		16.2-16.6 m: Extensive kaolinite and limonite. Tourmaline + Fe/Mn stains on fractures. Core is friable.											
		80		16.6-17.2 m: Syenite weakly kaolinized and altered to biotite. Foliation at 45° to C.A.											
		95		17.2-17.8 m: Extensive kaolinite and limonite. Strongly foliated. Two thin (1-4mm) tourmaline ± qtz veins at 55° to C.A.											
		95		17.8-19.8 m: Weakly kaolinized and Biotized. Minor limonite stained slickensides. Local strong foliation @ 70° to C.A.											
		100		19.8-20.7 m: Strongly kaolinized and limonitized. Mafic minerals destroyed, local foliation @ 70° to C.A.											
20.7	23.3	100		TOURMALINE-QUARTZ ± CLAY ± SULPHIDE GREISEN VEINS:											
		100		20.7-22.0 m: Tourmaline - Qtz - Clay - Sulphide Greisen Three tourmaline varieties: 1) Black, 2) Blue-Green, 3) Brown, comprise 60-65% of vein, with 25-30% Qtz, 5-10% Clay+sulphides + others. Sulphide comprises 1-3%, appears to be v.f.g. Asp. Limonite, talc and secondary arsenates are common throughout the vein. Hanging wall consists of 6 cm of white to yellow talc with limonite well developed at the contact. Footwall is similar but with less limonite, contact is very sharp.											

Property.

ZETA

Hole no.Z-84-1.

Sheet 2 of 2

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