

# **NORAMEX**

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ROOT GOLD COPPER PROSPECT  
NELSON MINING DIVISION, B.C.  
82F/6W

June 1985

## Summary

Exploration by Noramex at the Root Property has partially delineated a gold-copper bearing breccia and silicified zone. Assays of the breccia, 10-20 feet thick and traced for over 300 feet in length by trenching and stripping, range up to 1 oz/ton Au and 0.75% Cu.

Noramex is seeking a joint venture partner to complete further drilling necessary to explore for the depth extensions of the breccia zone possibly indicated by a strong Cu soil anomaly in the volcanic and sedimentary stratigraphy below the surface showing.

Mineralization on the Root property appears similar to the Willa deposit where 620,000 tons grading 0.18 opt Au, 0.94% Cu have been recently reported. Northair Mines Ltd. will spend \$2.6 million on underground exploration over the next 3 years to earn a 50% interest from BP Selco and Rio Algom.

## INTRODUCTION

The Root property comprises 58 claims and units located in the Connor Creek area about 15km west-southwest of the city of Nelson, B.C. The claims cover a gold bearing sulphide deposit and are held by Noramex Minerals Inc. both directly and under terms of an option agreement with certain owners.

<u>Claim Group</u>	<u>Record No.</u>	<u>Area</u>
Root Claims	1067-1070	4 units
Jo-Anne 2	3284	20 units
Jo-Anne 3	3285	12 units
Jo-Anne 4	3286	16 units
Jo-Anne 5	3287	2 units
Jo-Anne 6	3288	2 units
Twin Claims	2706,2707	<u>2 units</u>
		58 units

Access is via logging and mineral exploration roads branching from the Rover Creek and Connor Creek forestry roads. The main showing area is readily accessible by four-wheel drive vehicle.

Sulphide mineralization was first discovered on the property near the turn of the century. In 1971 the prospect was rediscovered and the new owners carried out prospecting, geophysical surveys, and trenching. Encouraging results from this work lead Noramex to acquire the property under option and to stake adjoining ground. Noramex carried out extensive prospecting, soil geochem, electromagnetic and geological surveys in 1983 and 1200 feet of diamond drilling in 1984.

The bulk of this work was done on the Root showing with encouraging results warranting continued exploration. Other widely separated mineralized zones have also been discovered but no detailed testing has been performed in these areas.

### GEOLOGY AND MINERALIZATION

The claim group is underlain by a sequence of Jurassic sedimentary and volcanic rock of the Hall and Rosslund Formations respectively. Bedded rocks are locally intruded by granodiorite and monzonite stocks and plugs of the Nelson (Cretaceous) and Coryell (Tertiary) plutonic suites and by feldspar porphyry dykes of unknown association.

At the Root zone, gold and copper-bearing breccia in a silicified zone is exposed by stripping and trenching for 365 feet. Silicified fragments are contained in a sulphide matrix of pyrite, pyrrhotite, and arsenopyrite. Surface samples from the 20 foot thick zone average 0.2 oz/ton gold on surface. The exposed sulphides are coincident with a strong magnetic anomaly which extends several thousand feet outward from the known mineralization. Pervasive silicification, local kaolinization and disseminated sulphides related to intrusive and hydrothermal activity occur in the stratigraphy below the surface deposit and the erratic grades of up to 0.363 oz/ton gold in core coincide with chalcopyrite and heavier concentrations of sulphides.

A strong copper soil anomaly occurs over a large area downslope and adjacent to the Root Zone. The anomaly is underlain by a sequence of altered silicified argillites,

quartzite, hornfels, interbedded andesite flows, rhyolite and tuffaceous beds locally intruded by fine grained feldspar porphyry plugs and dykes. The area is directly below the surface deposit and may indicate the presence of a large, unexposed, mineralized breccia similar to the surface deposit. The zone is untested by previous drilling which tested mineralization down to the northeast of the surface deposit. Gold is present in the soil but anomalies are erratic due to glaciation.

The Root showing appears to be a hydrothermal deposit similar to the Willa deposit under development by Northair/BP-Selco/Rio Algom and New Denver. Common features include:

- regional setting with volcanic/sedimentary country rock intruded by Nelson batholithic rocks and stocks
- Au-Cu in breccia associated with feldspar porphyry intrusion
- porphyry style alteration zones including secondary biotite, quartz/pyrite, clay with little or no quartz veining or stockwork

At the Willa deposit Northair will explore underground in 1985/85 to confirm and expand drill indicated reserves of 620,000 tons grading 0.18 opt gold and 0.94% Cu.

#### EXPLORATION PROPOSAL

Results to date are very encouraging and justify continued exploration for gold-copper bearing hydrothermal breccias and/or bedded exhalative type gold ore deposits.

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The company plans to conduct an exploration program which includes:

- 1) rock sampling, fill in soil line sampling,
- 2) IP survey over Main Zone and adjacent copper anomaly,
- 3) drilling (1200'-1500')

A cost estimate of the proposed program is to the order of \$70,000.00 for the first phase and \$130,000.00 for the follow-up delineation drilling.

*partner to put up \$200,000 for 1/2 interest*