

CORDILLERAN ROUNDUP - SNAP SHOT REVIEWS.
February 4, 1988

889521

Property/Project

Name : Willa Project
NTS : 82F/14
Claims :
Acreage: 2925 Ha

Authors: Ken Hicks (Northair Mines Ltd.)

Commodities: Gold, Copper

Names/Numbers

Agreements

70% Northair Mines/30% Rio Algom & BP Minerals

History

Exploration (Techniques) Period	Amount	Type	Cost
1980 - 1984	14,000 m	Diamond Drilling	\$2.8 million
1985 - 1986	9,300 m	" "	
Development Period	883 m	Drifting	\$3.9 million
1986 - 1987	Amount	Type	Cost
	942 m	Drifting	
	7200 m	Drilling	\$2.8 million

Production Period	Tonnage(s)	Method	Grade
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N/A

Geology

Regional

The Willa property is centered on a pendant of probable lower jurassic Rossland Group mafic volcanics within the Nelson Batholith.

Local

A gold-copper enriched hydrothermal breccia pipe cuts through earlier volcanic and intrusive rocks.

Alteration

The rocks in the vicinity of the project area have undergone lower greenschist facies metamorphism. The mineralized area near the breccia pipe have also been subjected to an earlier hydrothermally developed propylitic and retrograded calcsilicate alteration.

Current Exploration

The 1987-88 exploration program in progress consists of additional underground work and diamond drilling on the three known areas of mineralization, the West Zone, East Zone and Main Zone. In addition to the existing 1025m access to the West Zone, a second adit is being driven through the Main Zone at the 1100m level to allow approximately 700m of detailed underground diamond drilling of this zone. New drill results in January 1988 have indicated an upward extension of the West Zone above previously known mineralization. A crosscut from the Main Zone is being driven to the south to provide access for approximately 1460m drilling of the higher levels of the West Zone.

<u>Reserves</u>	WEST ZONE:	
	Geological, possible, probable and/or proven	possible 606,000 short tons Au 0.220 oz/st, 1.04% Cu 0.27 oz/st Ag
Number of zones	<u>1</u>	
Number of sample points	<u>-</u>	
Average grade	<u>As above</u>	
Average thickness	<u>Variable</u>	
Cut-off grade	<u>0.1 oz/st Au</u>	

<u>Costs</u>	Recent exploration costs, i.e. this period	<u>\$ 2.8 million 1987</u>
	Projected exploration costs of program to development	<u>\$ 1 million</u>
	Projected development costs given positive economics	<u>\$ 10 million</u>
	Projected operating costs given positive economies approx.	<u>\$ 50/ton</u>

W122A

Feb. 4/88

→ Ken Hicks

3 discrete zones - hydrothermal Bx. Pipe

\$9.3 million to date

New slides

Al₂Si₂O₇ - calc-silicate adf. indite - gnt - ep
overprinted by later greenschist met am.
- native gold + electrum
(~25% of Au = free milling)

Recovery ~ 95% Au, 85% Ag, 90% Cu

Reserves (West Zone) - upward extension indicated

est. ann. prod. @ 500 tpd = 31,600 oz Au

31,500 oz Ag

3,047,000 lbs Cu

606,000 tons @

.22 Au

.27 Ag
1,049 Au

Prod. late 1988

Expl'n Techniques (comment)

→ microcomputer