### 1989 "SHAPSHOT" REVIEW PORM

#### Property/Project

#### Authors

PROPERTY FILE QFWW/23

Name	1	Tillicum Mountain
NTS	:	82K 4E
Claims	:	298 units

John S. Brock

Wayne J. Roberts

Acreage: 14,900 Commodities: Gold

Agreements Esperanza Explorations owns 100 percent of the property subject to a 3% NSR royalty to the property Vendor.

#### History

ast Exploration Techniques	By Who <b>n</b>	Amount	Туре	Cost
Diamond Drilling Underground	Esperanza	75,000 feet 3,200 feet	N.Q. Drifting, raising	
Bulk Sampling	Esperanza	3,800 tons	sup-levelling, Mined and milled	
ast Development	By	TOTAL COST		\$8 Million
(if any)	Whom	Amount	Туре	Cost
	•	Amount	Туре	

Past Production By (if any) Whom Tonnage(s) Method

#### Reasons for shut-down

#### Geology

**Regional:** Rossland Group andesitic volcanics and tuffaceous sediments intruded by quartz diorite and monzonite. Diorite porphyry has metamorphised volcanic metasedimentary units to calc-silicate, quartz and carbonate skarn.

**Local:** Gold occurs in multiple horizons of calc-silicate, quartz-sulfide skarn flanking porphyry sills.

#### Alteration/

**Ore Forming Minerals:** Skarn assemblages consist of quartz, plagioclase tremolite-actinolite, clinozoisite, biotite and microline. Free gold occurs within and along the margins of quartz-calc silicate segregations. Variable amounts of pyrrhotite, pyrite, sphalerite and galena may also occur, but are not directly related to gold content.

002517

Grade

# PROPERTY FILE

## Current Exploration Results

#### 1987-88

Surface diamond drilling on the East Ridge zone advanced a portion of the drill inferred or geological reserve to a drill indicated or probable category. Underground drifting, cross cutting and diamond drilling took selected reserve blocks to a proven category. Presently defined reserves remain "open" to depth and along strike.

Three other skarn zones have seen exploration with 24 drill holes in one zone returning gold values up to 1.3 ounces per ton over 13 feet.

#### Reserves

	TONS	GOLD GRADE (OUNCES/TON)	CONTAINED GOLD (OUNCES)					
Proven/Probable								
(Underground )	55,000	1.05	57,800					
Drill Indicated	578,500	0.28	158,800					
Drill Inferred	810,000	0.21	169,500					
Total all Categories	1,443,500	0.27	386,100					
Exploration Potential Open								
	Heino Money East Ridge East Ridge East Ridge	A horizon B horizon C horizon						
Number of Sample Points: in excess of 300								
Average Grade: as above								
Average Thickness: 7 feet								
Cut-off grade: 0.12 ounces per ton gold								
Costs: Recent - 1987 \$4.0 million Projected - \$3.0 million								
Projected Dev	elopment Costs:	500 tons per day @	\$15-18 million					
Projected ope	rating Costs:	\$70 per ton \$200 per ounce						

