

*REVISED + sub. to Victoria
July 15/96*

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MINFILE / pc
MASTER REPORT

PAGE: 7
REPORT: RGEN0100

GEOLOGICAL SURVEY BRANCH - MINERAL RESOURCES DIVISION
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

MINFILE NUMBER: 082F5WD86

NATIONAL MINERAL INVENTORY: 082F6 A03

884564
Kenville

NAME(S): **KENVILLE**, GRANITE-POORMAN (L.2550), HARDSCRABBLE (L.102),
POORMAN (L.101), GRANITE (L.2556), WHITE,
BEEZELBUB, GREENHORN, WHITE SWAN (L.2549, 2554),
HAPPY JACK, RED POINT (L.4791)

<p>S'ATUS: Fast Producer NT: MAP: 082P06W LATITUDE: 49 28 08 LONGITUDE: 117 22 48 ELEVATION: 1065 Metres LOCATION ACCURACY: Within 500M COMMENTS: Adits on southwest corner of Lot 255 (Geological Survey of Canada Paper 52-13).</p>	<p>Underground</p>	<p>MINING DIVISION: Nelson UTM ZONE: 11 NORTHING: 5479432 EASTING: 472466</p>
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COMMODITIES: Silver Gold Lead Zinc Copper
Cadmium Tungsten

MINERALS

<p>SIGNIFICANT: Pyrite Gold COMMENTS: Only minor base metal sulfides are associated with these veins. ASSOCIATED: Quartz ALTERATION: Limonite COMMENTS: Plagioclase is replaced by soda-potassic feldspar. ALTERATION TYPE: Oxidation MINERALIZATION AGE: Unknown</p>	<p>Chalcopyrite K-Feldspar Potassic</p>	<p>Galena Biotite Biotite</p>	<p>Sphalerite Epidote Epidote</p>	<p>Scheelite</p>
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*195-'96 target =
bulk-mmeable porphyry
(6-Ave deposit)*

DEPOSIT

<p>CHARACTER: Vein CLASSIFICATION: Hydrothermal TYPE: Gold-quartz veins SHAPE: Regular MODIFIER: Faulted DIMENSION: 518 x 2 COMMENTS: Five veins, from 0.02 to 1.8 metres wide, occur over 518 metres.</p>	<p>Disseminated Epigenetic Sheared Metres</p>	<p>Massive STRIKE/DIP: 340/45W</p>	<p>TREND/PLUNGE:</p>
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HOST ROCK

DOMINANT HOST ROCK: Plutonic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Lower Jurassic	Roseland	Elise	Unnamed/Unknown Informal Nelson Intrusions
Jurassic			
Jurassic			

LITHOLOGY: Dioritic Rock *Diorite*
Pyroxenite
Greenstone
Granodiorite

GEOLOGICAL SETTING

TECTONIC BELT: Omineca
TERRANE: Quesnel **PHYSIOGRAPHIC AREA: Selkirk Mountains**
Plutonic Rocks

CAPSULE GEOLOGY

The Granite-Poorman mine is located on the east side of Eagle Creek, 11.2 kilometres west of Nelson. The claims were originally staked in 1888, the mill was erected in 1889 and the bulk of the production occurred between 1899 to 1912. The mine is one of the oldest, and greatest producers in the district, producing intermittently for 50 years.

The area is underlain by Jurassic pseudodiorite and pyroxenite of unknown affinity, underlain by volcanic rocks of the Lower Jurassic Elise Formation, Roseland Group. These have been intruded by granodiorite of the Middle to Late Jurassic Nelson Intrusions (Nelson batholith).

A northwest trending system of quartz veins is hosted in pseudodiorite, locally gneissic, intruding greenstone on the east limb of a syncline. The veins, which are weak fault zones, strike 330 to 350 degrees and dip 45 degrees north. The veins are cut by faults, some of which are occupied by lamprophyre dykes. The veins have good continuity along strike and downdip. Significant amounts of ore have been produced from five veins which range from 0.02 to 1.8 metres in width, averaging about 0.6 metre but are commonly 0.02 to 0.10 metre wide. West to east, over a horizontal distance of 518 metres, they are; the Hardscrabble, Poorman, Greenhorn, Granite (or White), and Beezelbub veins. Lesser veins occur to the east and west. At the Hardscrabble vein, steeply dipping faults drop the eastern block down as much as 15.2 metres. The largest fault has

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CAPSULE GEOLOGY

produced offset of about 100 metres to the left in the Granite and Greenhorn veins.

The gangue is milky to glassy quartz with pyrite, chalcopyrite and minor amounts of galena, scheelite, sphalerite and some visible gold. "Rich pockets" of visible gold are reported from earlier development. Where the veins are oxidized limonite is common with some "free gold". Scheelite is widely distributed as individual grains but rarely as significant concentrations in any given zone. Sulphides are commonly disseminated in hanging wall or footwall rocks.

Ore shoots, which rake to the south, are formed at the intersection of the main veins with flatter lying offshoots and high gold values in these shoots appear coincident with galena. Host rocks exhibit replacement of plagioclase by soda-potassic feldspar as well as alteration of ferromagnesian minerals to biotite and epidote. Ore production has averaged better than 17 grams per tonne gold with associated silver. The Granite-Poorman produced mainly gold with silver but the mill has been used at various periods to process ores from other properties which may have been richer in base metals. In recent years some of the granitic rock has been used as a construction material (Granite 082FSW142).

In 1993 Anglo Swiss Industries Inc. and Teck Corp., Teck as operator, conducted prospecting, diamond drilling (1140 metres), and an induced polarization survey on the property.

along approx. 475m of strike length
Further work in '96.
check for details!

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