

Eholt 882596
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MINFILE / pc 8255239

REVISED & sub. to Victoria
TOS July 15/98
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REPORT: RGEN0100

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

MINFILE NUMBER: 00288239

NATIONAL MINERAL INVENTORY:

NAME(S): EHOLT

STATUS: Prospect
NTM MAP: 002E02E
LATITUDE: 49 09 58
LONGITUDE: 118 33 00
ELEVATION: 1067 Metres
LOCATION ACCURACY: Within 500M

MINING DIVISION: Greenwood
UTM ZONE: 11
NORTHING: 5446860
EASTING: 387000

COMMENTS: Shafts and dumps, 1.5 kilometres north of Highway 3 and the settlement of Eholt, about 12 kilometres northeast of Greenwood (Assessment Report 17488).

COMMODITIES: Copper Gold Silver

MINERALS

SIGNIFICANT:	Pyrite	Pyrrhotite	Chalcopyrite	Molybdenite	
ASSOCIATED:	Garnet	Pyroxene	Calcite	Epidote	Tremolite
ALTERATION:	Quartz	Chlorite	Gypsum		
	Garnet	Pyroxene	Calcite	Epidote	Tremolite
	Quartz	Chlorite	Gypsum		

ALTERATION TYPE: Skarn
MINERALIZATION AGE: Unknown

DEPOSIT

CHARACTER: Disseminated Shear
CLASSIFICATION: Skarn Hydrothermal

HOST ROCK

DOMINANT HOST ROCK: Sedimentary

STRATIGRAPHIC AGE

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Middle Triassic	Undefined Group	Brooklyn	
Upper Paleozoic	Knob Hill	Undefined Formation	
Jurassic			Nelson Intrusions
Eocene			Coryell Intrusions

LITHOLOGY: Limestone
Limy Sediment/Sedimentary
Chert
Quartzite
Meta Argillite
Greenstone
Amphibolite
Volcanic Breccia
Granodiorite
Feldspar Porphyry Dike

GEOLOGICAL SETTING

TECTONIC BELT: Omineca
TERRANE: Queen
METAMORPHIC TYPE: Regional Contact

PHYSIOGRAPHIC AREA: Okanagan Highland

Plutonic Rocks
RELATIONSHIP: GRADE:

INVENTORY

ORE ZONE: DRILLHOLE

CATEGORY: Assay/analysis YEAR: 1988
SAMPLE TYPE: Drill Core
COMMODITY GRADE

Gold	1.4700	Grams per tonne
Copper	0.1400	Per cent

COMMENTS: A 4.8-metre interval.
REFERENCE: Assessment Report 21080.

CAPSULE GEOLOGY

The Eholt property is underlain by volcano-sedimentary and intrusive rocks, some of which have undergone varying degrees of metamorphism and metasomatism. The oldest rocks on the property are Carboniferous or Permian Knob Hill Group chert, quartzite, meta-argillite, greenstone and amphibolite which are overlain unconformably by Middle Triassic Brooklyn Formation greenstone, volcanic breccia, limestone and sharpstone conglomerate. The sequence has been intruded by granodiorite of the Middle to Late Jurassic Nelson Intrusions and feldspar porphyry, syenite and trachyte dikes possibly related to the Middle Eocene Coryell intrusions. Evidence of early work on the property consists of hand trenches, and shallow pits and shafts.

Skarn occurs throughout the property and is hosted in Brooklyn Formation limestone or limy sediments, possibly along shear zones

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MINFILE / pc
MASTER REPORT
GEOLOGICAL SURVEY BRANCH - MINERAL RESOURCES DIVISION
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

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Locally, intense brecciation has occurred.

CAPSULE GEOLOGY

near dikes. The main alteration minerals are garnet, pyroxene, epidote and calcite with some occasional tremolite. These zones are most often found to be closely associated with massive pyrite and quartz.

In some hydrothermally altered shears, in the predominantly volcanic rocks, the alteration observed comprises chlorite, minor calcite, gypsum, minor epidote with occasional massive pyrite, pyrrhotite and minor chalcocopyrite and trace molybdenite.

A grab sample from a shaft dump assayed 0.53 per cent copper, 10.3 grams per tonne silver and 19.5 grams per tonne gold (Assessment Report 17488). Diamond drilling in 1988 yielded a 4.8 metre interval grading 0.14 per cent copper and 1.47 grams per tonne gold (Assessment Report 21080).

Rambler showing?
or Dead Honda
Showing.

Insert

BIBLIOGRAPHY

- EMPR ASS RPT 8812, 11845, 13411, *17488, 21080, 22116, 22403, 23777, plus 1995 A.R. (conf.)
- EMPR OF 1990-25; 1994-1
- EMPR FP (82E General File - Mineral Reference Map; 82ESE General File - Airborne magnetometer survey map, Eholt area, Noranda Mines Limited)
- EMPR IMP CIRC 1993-13, p. 19; 1994-1, p. 20; 1995-9, p. 25; 1996-1, p. 25
- GSC P 67-42; 79-29
- GSC MAP 828; 6-1957; 10-1967; 1500A
- GSC OF 409; 481; 736; 1969

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DATE RE-USED: 931208

CODED BY: GO
REVISED BY: GO TCS

FIELD CHECK: N
FIELD CHECK: N Y

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In 1995, Orvana Minerals Corp. completed ~~10~~ 3100 m of diamond drilling on the Dead Honda showing and the east flank of Eholt Mountain. On the Dead Honda area, 7 holes tested a 1.5 km^{long} by 200-300 m wide, ^{northerly-trending} sulphide-bearing skarn zone, over a strike length of 210 m. The drilling intersected an extensive garnet-pyroxene skarn containing ~~numerous~~ a number of gold/copper-bearing zones, cut by numerous post-mineral Coryell syenite dikes.

DDH E-95-4 yielded a 27.83 m interval grading 2.7 g/t Au and 0.28% Cu; and DDH E-95-6 yielded a 5.5 m interval grading 5.1 g/t Au, plus copper. (GCNL, Jan. 15, 1966)

In 1996, Teck Corporation under a joint venture agreement with Orvana Minerals Corp., drilled 10? holes in an area between the Dead Honda showing and northwest of the Rambler showing (old shafts).

The Phoenix deposit, 9.7 km to the south, (30 million tonnes grading 0.8% Cu)

* Insert

Skarn is crosscut by light-blue coloured chalcidony ± jasper veins which may be related to the younger Tertiary extensional (graben) event and/or intrusion of the Middle Eocene Coryell Intrusions.