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

MINFILE NUMBER: 082ESE241 NATIONAL MINERAL INVENTORY:

NAME(S): CLEARCUT RHODONITE

STATUS: Prospect
NTS MAP: 082E12E
LATITUDE: 49 12 00
LONGITUDE: 118 37 00
LOCATION ACCURACY: Within 500M

MINING DIVISION: Greenwood
UTM ZONE: 11
NORTHING: 5450728
EASTING: 382226

COMMODITIES: Rhodonite

MINERALS
SIGNIFICANT: Rhodonite Garnet Manganite Pyroxene
MINERALIZATION AGE:

DEPOSIT
CHARACTER: Layered
CLASSIFICATION: Metamorphic Sedimentary Epigenetic Industrial Min.

HOST ROCK
DOMINANT HOST ROCK: Metasedimentary

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Paleozoic	Knob Hill	Unnamed/Unknown Formation	

LITHOLOGY: Chert Schistose Greenstone

GEOLOGICAL SETTING
TECTONIC BELT: Omineca
TERRANE: Quesnel

CAPSULE GEOLOGY

The pyroxmangite-rhodonite showing is on the road leading to the microwave tower on Mount Roderick Dhu. The exposure, a road-cut section, is approximately 1 metre high and over 10 metres long. At surface much of the pink manganese silicate is altered and thickly coated with black manganese oxides. Manganese oxides in the proximity of rhodonite follow relatively closely spaced fractures. The section is approximately perpendicular to the strike of the lithologic contacts. Better exposure is needed to fully document the contact relationships between manganese-bearing lithologies and surrounding rocks.

BIBLIOGRAPHY

EMPR FIELDWORK 1995, Paper 1996-1, pp. 219-222

DATE CODED: 960420 CODED BY: NC FIELD CHECK: Y
DATE REVISED: REVISED BY: FIELD CHECK: N

MINFILE QUICK CODING CARD

☑ NEW ☐ REVISE ☐ DELETE

IDENTIFICATION

MINFILE NO.*: 082ESE 241 NAME*: Clearcut Rhodonite

STATUS*(Choose One): (Ranked up to 16)

- ☐ Anomaly (use as a temporary occurrence)
- ☐ Showing
- ☑ Prospect
- ☐ Developed Prospect
- ☐ Producer
- ☐ Past Producer

MINING METHOD (Choose One):

- ☐ Open Pit
- ☐ Underground

LOCATION*

NTS MAP*(Ranked, up to 4): 82E/2

MINING DIVISION*: Greenwood

UTM ZONE*:

LATITUDE*: 49° 12' 00" or NORTHING*:

LONGITUDE*: 118° 37' 00" EASTING*:

ELEVATION*: (metres) LOCATION CERTAINTY*: ☑ Within 500 m ☐ Within 1 km ☐ Within 5 km

IDENTIFICATION COMMENTS (Unlimited space[1]):

DATE CODED*: 20 DD 4 MM 96 YY CODED BY*: N. Church FIELD CHECKED*: ☑ Yes ☐ No

DATE REVISED*: DD MM YY REVISED BY*: FIELD CHECKED*: ☐ Yes ☐ No

MINERAL OCCURRENCE

COMMODITIES*(Ranked, up to 15): rhodonite RO

MINERALS

SIGNIFICANT* (Ranked, up to 16): rhodonite, garnet, manganite pyroxmangite

DEPOSIT

CHARACTER* (Ranked, up to 4):

☐ Vein	☐ Stockwork	☐ Breccia	☐ Pipe	☐ Unconsolidated
☐ Podiform	☑ Layered	☐ Stratabound	☐ Stratiform	☐ Concordant
☐ Discordant	☐ Massive	☐ Disseminated	☐ Shear	☐ Unknown

CLASSIFICATION* (Ranked, up to 4):

☐ Replacement	☐ Magmatic	☐ Volcanogenic	☒ (2) Sedimentary	☐ Syngenetic
☒ (3) Epigenetic	☐ Residual	☐ Porphyry	☐ Igneous-contact	☐ Skarn
☐ Pegmatite	☐ Placer	☐ Evaporite	☐ Exhalative	☐ Diatreme
☐ Hydrothermal	☐ Epithermal	☐ Mesothermal	☐ Fossil fuel	☒ (1) Metamorphic
☒ (4) Industrial Mineral	☐ Unknown			

HOST ROCK

DOMINANT HOST *(Choose 1):

☑ (1) Sedimentary	☐ Volcanic	☐ Metaplutonic	☐ Metamorphic	☐ Plutonic
☑ Metasedimentary	☐ Metavolcanic			

LITHOLOGIES* (Ranked, up to 10):

MODIFIER 1	MODIFIER 2	MODIFIER 3	ROCK TYPE*
chert	schist	greenstone	

*mandatory field; [1]all comment lines are 70 characters each.

Rev. 31/01/96

FORMAL HOST

(*List at least 1 Formal or Informal host)

Comment: Host Rock Possibly Devonian

1. GROUP: Knob Hill / FORMATION:

STRATIGRAPHIC AGE*: Paleozoic (Dev?) ISOTOPIC AGE:

DATING METHOD: MATERIAL DATED:

INFORMAL HOST

1. IGNEOUS/METAMORPHIC/OTHER:

STRATIGRAPHIC AGE*: ISOTOPIC AGE:

DATING METHOD: MATERIAL DATED:

GEOLOGICAL SETTING

TECTONIC BELT* *(Choose 1)*:

☐ Insular ☐ Coast ☐ Intermontane ☑ Omineca ☐ Foreland

TERRANE* *(Ranked, up to 2)*: Quesnellia

INVENTORY

ZONE *(Use generic name for an assay)*:

YEAR: REPORT ON: ☐ Yes ☐ No

CATEGORY ☐ Assay/Analysis

SAMPLE TYPE *(Assay only)*:

☐ Chip ☐ Grab ☐ Channel ☐ Bulk ☐ Drill Core ☐ Rock

COMMODITIES/GRADES *(Precious metals in grams, others in per cent)*:

/ / /

/ / /

REFERENCE* *(1 line)*:

CAPSULE GEOLOGY*

(Include comments on location and history; regional and local geology; deposit description and mineralogy; inventory and production)

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BIBLIOGRAPHY*

*(Quote all references for the occurrence in summary format; *asterisk important references)*

G.J. Simandl and B.N. Church (1996): Clearcut Pyroxmangite/Rhodonite Occurrence, Greenwood Area, Southern British Columbia 82/E2; B.C. Ministry of Energy, Mines & Petrol Resources, Geological Fieldwork 1995, Paper 1996-1, pages 219-222.

Clearcut Rhodomt 241

Picture Rock

082ESE

GRAND FORKS

BRITISH COLUMBIA

Scale 1:126,720 or 1 Inch to 2 Miles

Miles 1 ½ 0 2 4 6 10 Miles

Produced by the Surveys and Mapping Branch, Department of Lands and Forests, Victoria, British Columbia, 1959.

REFERENCE

- Lands alienated or covered by application under the Land Act
- Surveyed Timber Lease, Licence, or Berth (TL or TB)
- Indian Reserve (IR)
- Government Reserve (GR)
- Land District Boundary
- Tree Farm Licence
- Provincial Forest Boundary
- Park Boundary
- Municipality
- Forest Service Lookout