Ministry of Energy, Mines and Petroleum Resources
GEOLOGICAL SURVEY BRANCH

UNIT OD MINFILE

MINFILE

NEW ☐ REVISION ☒ MODIFIED ☐ DELETE ☐

IDENTIFICATION

001055

MINFILE NO. 82ESE 211 NAT'L MINERAL INV. NO. _____

CANMINDEX NO. _____

NAME(S) 1. BROADWATER

2. _____

3. _____

4. _____

STATUS: ☐ SHOWing ☐ PROSpect ☐ DEveloped PRospect ☐ U PRODucer ☒ U PAst PRoducer

LOCATION:

NTS MAP: 082E/08E

BC MAP: _____

MINING DIVISION: NELS NELSON TRAL TRAIL CREEK

UTM ZONE: _____ NORTHING: _____ EASTING: _____

LATITUDE: 49 ° 28 ' 02 " LONGITUDE: 118 ° 05 ' 07 "

ELEVATION: 427 (metres)

LOCATION CERTAINTY: ☐ 1 within 500 m ☒ 2 within 1 km ☐ 3 within 5 km

Comment on Identity: LOCATION CENTERED ON LAKESHORE OUTCROP 0.8 KILOMETRES SOUTH OF THE BROADWATER POST OFFICE, AS DESCRIBED IN EMPR ANNUAL REPORT 1959, P. 174

MINERAL OCCURRENCE

COMMODITIES: LS

MINERALOGY:

SIGNIFICANT Minerals: CLCT

Comment: _____

ASSOCIATED Minerals: SLCT PYRT

Comment: _____

ALTERATION Minerals: _____

Comment: _____

ALTERATION Type: _____

DEPOSIT CHARACTER: 09 12

01 Vein, 02 Stockwork, 03 Breccia, 04 Pipe, 05 Unconsolidated
06 Podiform, 07 Layered, 08 Stratabound, 09 Stratiform, 10 Concordant
11 Discordant, 12 Massive, 13 Disseminated, ** Unknown

DEPOSIT CLASSIFICATION: 04 14

01 Replacement, 02 Magmatic, 03 Volcanogenic, 04 Sedimentary, 05 Syngenetic
06 Epigenetic, 07 Hydrothermal, 08 Residual, 09 Porphyry, 10 Igneous-contact
11 Skarn, 12 Pegmatite, 13 Placer, 14 Precipitate, 15 Exhalative
16 Diatreme, 17 Epithermal, 18 Mesothermal, 19 Fossil Fuel, 20 Metamorphic
** Unknown

AGE OF MINERALIZATION: BIGV PERMO-PENNSYLV ISOTOPIC AGE: _____

MATERIAL DATED: VARIOUS FOSSILS DATING METHOD: 04 FOSSIL

SHAPE OF DEPOSIT: ☐ 1 Regular ☐ 2 Tabular ☐ 3 Cylindrical ☐ 4 Bladed ☐ 5 Irregular

SHAPE MODIFIER: ☐ 1 Folded ☐ 2 Faulted ☐ 3 Fractured ☐ 4 Sheared ☐ 5 Other _____

DEPOSIT DIMENSION: 400 X 150 X _____ (metres)

ATTITUDE: STRIKE/DIP 065 / 55S TREND/PLUNGE _____ _____

Comment: BEDDING ATTITUDE AT LAKESHORE EXPOSURE

DATE CODED: Y 85 M 07 D 24 CODED BY GSB FIELD CHECKED ☐ YES ☒ NO

Y 89 M 09 D 11 REVISED BY PSF ☐ YES ☒ NO

MINFILE NO.

HB-936

HOST ROCK

DOMINANT HOST ROCK: [1] Sedimentary [2] Plutonic [3] Volcanic [4] Metasedimentary [5] Metaplutonic [6] Metavolcanic [7] Metamorphic

FORMAL HOST:

1. **Group:** _____ **Formation:** 373 MOUNT ROBERTS
   Strat-Age: 319 PERMO-PENNSYLVANIAN **Isotopic Age:** _____
   Dating Method: 04 FOSSIL **Material Dated:** VARIOUS FOSSILS
2. **Group:** _____ **Formation:** _____
   Strat-Age: _____ **Isotopic Age:** _____
   Dating Method: _____ **Material Dated:** _____

INFORMAL HOST:

1. **Igneous/Metamorphic/Other:** **Name:** _____
   Strat-Age: _____ **Isotopic Age:** _____
   Dating Method: _____ **Material Dated:** _____
2. **Igneous/Metamorphic/Other:** **Name:** _____
   Strat-Age: _____ **Isotopic Age:** _____
   Dating Method: _____ **Material Dated:** _____

Comment on Host Rock: SUGGESTED AGE RANGE: ORDOVICIAN TO DEVONIAN (GSC OPEN FILE 1969)

ROCK TYPE/LITHOLOGY:

MODIFIER CODE(S)			ROCK CODE	ROCK NAME
			LMSN	LIMESTONE.

GEOLOGICAL SETTING

TECTONIC BELT: [IN] INsular [CC] Coast Crystalline [IM] InterMontane [OM] OMineca [EA] EAstern

TERRANE: 1. KO KOOTENAY 2. _____

PHYSIOGRAPHIC AREA: SKMT SELKIRK MOUNTAINS

METAMORPHISM:

TYPE
- [1] Contact
- [2] Regional

RELATIONSHIP
- [1] Pre-Mineralization
- [2] Syn-Mineralization
- [3] Post-Mineralization

GRADE:
- [ZL] Zeolite
- [GS] Greenschist
- [AM] Amphibolite
- [HF] Hornfels
- [GL] Granulite
- [BS] Blueschist
- [EC] Eclogite
- [AN] Anthracite
- [SA] Semi-Anthracite
- [LV] Low Vol. Bituminous
- [MV] Med. Vol. Bituminous
- [HV] Hi Vol. Bituminous
- [SB] Sub Bituminous
- [LI] Lignite

Geological Setting Comment: _____

CAPSULE GEOLOGY

WORK HISTORY

YEAR FROM	YEAR TO	WORK TYPE	AMOUNT (m/km/ha/No.)	COMMENT (Owner/Operator/Results)

RESERVES

ORE ZONE NAME: _____ YEAR: 1959

CATEGORY: [MR] Measured Recoverable [IN] Indicated Ore [UN] Unclassified
[MG] Measured Geological [IF] Inferred Ore [BA] Best Assay

BEST ASSAY SAMPLE TYPE: [CHIP] Chip [GRAB] Grab [CHNL] Channel [BULK] Bulk [DIAD] Drill Core [ROCK] Rock

CALCULATION A: QUANTITY: _____ (tonnes)

Commodity	Grade	Commodity	Grade	Commodity	Grade
CS	51.55 %		.		.
	.		.		.

(Precious metals in grams, others in per cent)

Comment: TAKEN ACROSS ENTIRE LAKESHORE EXPOSURE. GRADE GIVEN FOR CaO. SAMPLE 7

Reference: ~~EMPR~~ ANNUAL REPORT 1959, P. 173; MINISTER OF MINES

CALCULATION B: QUANTITY: _____ (tonnes)

Commodity	Grade	Commodity	Grade	Commodity	Grade
	.		.		.
	.		.		.

(Precious metals in grams, others in per cent)

Comment: _____

Reference: _____

PRODUCTION

YEAR: _____ ORE MINED: _____ (tonnes) ORE MILLED: _____ (tonnes)

Commodity	Quantity	Commodity	Quantity	Commodity	Quantity

(Precious metal quantities in grams others in kilograms)

Comment: _____

Reference: _____

BIBLIOGRAPHY

(place * before significant references)

EMPR AR 1959, PP. 173, 174
CANMET RPT 811 PART 5, PP. 206, 207
GSC MAP 6-1957
GSC OF 481, 1969