



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

# MINFILE

GEOLOGICAL SURVEY BRANCH

027

000759

## MINFILE

### IDENTIFICATION

MINFILE NO. 082ENW ~~066074~~ NATIONAL MINERAL INVENTORY NO. \_\_\_\_\_

NAMES  
Ignimbrite Lake  
Faulder

CLAIMS \_\_\_\_\_

OWNER \_\_\_\_\_

OPERATOR \_\_\_\_\_

STATUS  SHOWing  PROSpect  DEVELOPED PROSpect  PRODUCER  PAST PRODUCER

### LOCATION

NTS 082E12E MINING DIVISION 050Y  
LATITUDE 49° 37' 45" LONGITUDE 119° 41' 05" ELEVATION 510 metres  
UTM ZONE \_\_\_\_\_ NORTHING \_\_\_\_\_ EASTING \_\_\_\_\_  
LOCATION CERTAINTY  WITHIN 500m  WITHIN 1km  WITHIN 5km

COMMENT ON IDENTITY Ignimbrite Lake, figure 5f (ASS RPT 6575)

### MINERAL OCCURRENCE

COMMODITIES UR listed according to economic importance

RESERVES TYPE \_\_\_\_\_ TONNES \_\_\_\_\_ GRADES \_\_\_\_\_  
OR BEST ASSAY DATA \_\_\_\_\_  
COMMENTS \_\_\_\_\_

PRODUCTION YEARS \_\_\_\_\_ TONNES MINED \_\_\_\_\_

METALS RECOVERED \_\_\_\_\_

MINERALOGY ECONOMIC MINERALS UNKN

COMMENTS \_\_\_\_\_

GANGUE MINERALS \_\_\_\_\_

COMMENTS \_\_\_\_\_

ALTERATION MINERALS \_\_\_\_\_

COMMENTS \_\_\_\_\_

ALTERATION TYPE \_\_\_\_\_

AGE OF MINERALIZATION 100 ISOTOPIC AGE \_\_\_\_\_

DATING METHOD \_\_\_\_\_ MATERIAL DATED \_\_\_\_\_

- |              |   |  |              |   |   |
|--------------|---|--|--------------|---|---|
| DEPOSIT TYPE | <input type="checkbox"/> 01 VEIN        | <input type="checkbox"/> 09 STRATIFORM           | GENETIC TYPE | <input type="checkbox"/> 1 REPLACEMENT            | <input type="checkbox"/> 6 EPIGENETIC             |
|              | <input type="checkbox"/> 02 STOCKWORK   | <input type="checkbox"/> 10 CONCORDANT           |              | <input type="checkbox"/> 2 MAGMATIC               | <input type="checkbox"/> 7 HYDROTHERMAL           |
|              | <input type="checkbox"/> 03 PORPHYRY    | <input type="checkbox"/> 11 PLACER               |              | <input type="checkbox"/> 3 VOLCANOGENIC           | <input type="checkbox"/> 8 RESIDUAL               |
|              | <input type="checkbox"/> 04 PIPE        | <input type="checkbox"/> 12 PRECIPITATE          |              | <input checked="" type="checkbox"/> 4 SEDIMENTARY | <input type="checkbox"/> 9 UNKNOWN (UNCLASSIFIED) |
|              | <input type="checkbox"/> 05 IGNEOUS     | <input type="checkbox"/> 13 DISSEMINATED         |              | <input checked="" type="checkbox"/> 5 SYNGENETIC  |   |
|              | <input type="checkbox"/> 06 SKARN       | <input type="checkbox"/> 14 MASSIVE              |              |   |   |
|              | <input type="checkbox"/> 07 PEGMATITE   | <input type="checkbox"/> 15 UNKNOWN              |              |   |   |
|              | <input type="checkbox"/> 08 STRATABOUND | <input checked="" type="checkbox"/> UNCLASSIFIED |              |   |   |

05  
unconsol

SHAPE OF DEPOSIT  1 REGULAR  2 TABULAR  3 CYLINDRICAL  4 BLADED  5 IRREGULAR

MODIFIER  1 FOLDED  2 FAULTED  3 FRACTURED  4 SHEARED  5 OTHER \_\_\_\_\_

DIMENSION \_\_\_\_\_

ATTITUDE \_\_\_\_\_  1 STRIKE/DIP  2 TREND/PLUNGE

COMMENT ON STRUCTURE \_\_\_\_\_

**HOST ROCKS**

A. DOMINANT ROCK TYPE  SEDIMENTARY  VOLCANIC  METAPLUTONIC  METAMORPHIC  
 PLUTONIC  METASEDIMENTARY  METAVOLCANIC

B. SUPERGROUP \_\_\_\_\_ GROUP \_\_\_\_\_  
 FORMATION 412 MEMBER \_\_\_\_\_  
 AGE 100 ISOTOPIC AGE \_\_\_\_\_  
 DATING METHOD \_\_\_\_\_ MATERIAL DATED \_\_\_\_\_  
 ROCK TYPE SOIL  GCSM \_\_\_\_\_  
 LITHOLOGY GLLC SOIL \_\_\_\_\_

C. IGNEOUS/METAMORPHIC/OTHER Marron III  
 AGE 124 ISOTOPIC AGE \_\_\_\_\_  
 DATING METHOD \_\_\_\_\_ MATERIAL DATED \_\_\_\_\_  
 ROCK TYPE Ash Flow  TRCT \_\_\_\_\_  
 LITHOLOGY \_\_\_\_\_

COMMENT ON HOST ROCK Ash flow

**GEOLOGICAL SETTING**

TECTONIC BELT  INSular  OMineca  TERRANE T (JKT)  
 Coast Crystalline  EAsTern  
 InterMontane

PHYSIOGRAPHIC AREA THPT

METAMORPHISM: TYPE  CONTACT RELATIONSHIP  PRE-MINERALIZATION  
 REGIONAL  SYN-MINERALIZATION  
 POST-MINERALIZATION

GRADE  HornFels  BlueSchist  AMphibolite  EClomite  SubBituminous  
 Zeolite  GreenSchist  Granulite  Lignite  Low Vol. bituminous  
 Med. Vol. bituminous  Hi Vol. bituminous  Semi Anthracite  ANthracite

COMMENT ON GEOLOGICAL SETTING \_\_\_\_\_

CAPSULE GEOLOGY The area is underlain by granitic rocks of the Middle Jurassic Okanagan Batholith which are unconformably overlain by Eocene clastic sediments, dacite lavas, ash flows, and alkaline lavas of the White Lake, Marron, and Marron formations.  
Overlying the ash flows, a small pond (Squimish Lake) has a layered brine, with 90 ppb uranium in the upper part and 2800 ppb in the lower. The ratio of uranium to bicarbonate in these waters is moderately low, and so are the uranium contents (20-40 ppm) of the lake sediments. A pond ("May 2" Lake), 900 metres to the SW has 0.016% uranium in sediments (ASSRPS 6575).

**BIBLIOGRAPHY (place 'best' or most recent source first)**

EMPR ASS RPT \*6575  
EMPR FIELDWORK 1979-11-15  
EMPR EXPL 1977-34-35  
Bates, D.V., J.W. Murray, and V. Randssepp (1980): Royal Commission of Inquiry, Health and Environmental Protection, Uranium Mining; Commissioners' Report October 30, 1980, Volume 1, pp 35-36, 183-184

CODED BY LDJ initials FIELD CHECKED: YES  NO  DATE CODED 1987 yr 03 mo 23 day  
 REVISED BY \_\_\_\_\_ initials FIELD CHECKED: YES  NO  DATE CODED \_\_\_\_\_ yr \_\_\_\_\_ mo \_\_\_\_\_ day  
GAC Field Trip No. , May 7-10, 1983 pp 29-33