Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

MINFILE

U24

GEOLOGICAL SURVEY BRANCH

MINFILE

000754

IDENTIFICATION

MINFILE NO. 082ENW 068 NATIONAL MINERAL INVENTORY NO. _____

NAMES Faulder 3

CLAIMS _____

OWNER _____

OPERATOR _____

STATUS [X] SHOWing [ ] PROSpect [ ] DEveloped PRospect [O][U] PRODucer [O][U] PAst PRoducer

LOCATION

NTS 082E12W MINING DIVISION OSOY

LATITUDE 49 ° 38 ' 57 " LONGITUDE 119 ° 45 ' 25 " ELEVATION 850 metres

UTM ZONE _____ NORTHING _____ EASTING _____

LOCATION CERTAINTY [X] WITHIN 500 m [2] WITHIN 1 km [3] WITHIN 5 km

COMMENT ON IDENTITY anomalous lakes, figure 5E (ASS RPT

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
[01] VEIN [09] STRATIFORM
[02] STOCKWORK [10] CONCORDANT
[03] PORPHYRY [11] PLACER
[04] PIPE [12] PRECIPITATE
[05] IGNEOUS [13] DISSEMINATED
[06] SKARN [14] MASSIVE
[07] PEGMATITE [15] UNKNOWN
[08] STRATABOUND [X] UNCLASSIFIED 05 unconsolid

GENETIC TYPE
[1] REPLACEMENT [6] EPIGENETIC
[2] MAGMATIC [7] HYDROTHERMAL
[3] VOLCANOGENIC [8] RESIDUAL
[X] SEDIMENTARY [9] UNKNOWN (UNCLASSIFIED)
[X] SYNGENETIC

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: [X] 1 SEDIMENTARY [ ] 2 PLUTONIC [ ] 3 VOLCANIC [ ] 4 METASEDIMENTARY [ ] 5 METAPLUTONIC [ ] 6 METAVOLCANIC [ ] 7 METAMORPHIC

B. SUPERGROUP ____ GROUP ____
FORMATION 412 Glacial/Fluvial Gravels MEMBER ____
AGE 100 ISOTOPIC AGE ____
DATING METHOD ____ MATERIAL DATED ____
ROCK TYPE SOIL GCSM
LITHOLOGY GLLC - SOIL

C. IGNEOUS/METAMORPHIC/OTHER Okanagan Batholith 573
AGE 224 ISOTOPIC AGE ____
DATING METHOD ____ MATERIAL DATED ____
ROCK TYPE QTZD
LITHOLOGY QRTZ DORT.

COMMENT ON HOST ROCK manifesting rich, postglacial surficial sediments

GEOLOGICAL SETTING

TECTONIC BELT: [ ] INsular [ ] OMineca [ ] Coast Crystalline [ ] EAstern [X] InterMontane
TERRANE CPC
PHYSIOGRAPHIC AREA THPT
METAMORPHISM: TYPE [1] CONTACT [2] REGIONAL
RELATIONSHIP [1] PRE-MINERALIZATION [2] SYN-MINERALIZATION [3] POST-MINERALIZATION
GRADE [ ] HornFels [ ] BlueSchist [ ] AMphibolite [ ] EClogite [ ] SubBituminous [ ] ZeoLite [ ] GreenSchist [ ] GranuLite [ ] LIgnite [ ] Low Vol. bituminous [ ] Med. Vol. bituminous [ ] Hi Vol. bituminous [ ] SemiAnthracite [ ] ANthracite

COMMENT ON GEOLOGICAL SETTING ____

CAPSULE GEOLOGY The area is underlain by granitic rocks of the Middle Jurassic Okanagan Batholith. These vary from diorite to granodiorite, but are typically quartz diorite.
A small lake contains manifesting sediments with values up to 0.015% manganese. Another small lake, 1.5 km to the south-southeast, contains sediment values to 0.013% manganese (ASS RPT 6575).

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

EMPR ASS RPT *6575
EMPR EXPL 1977-34-35
Bates, D.V., J.W. Murray, and V. Randsepp (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 LDS initials FIELD CHECKED: YES [ ] NO [X] DATE CODED 1987 yr 03 mo 23 day
REVISED BY ____ initials FIELD CHECKED: YES [ ] NO [ ] DATE CODED ____ yr ____ mo ____ day