

NAME 01- BIBLIO

**MINISTRY OF ENERGY, MINES AND
PETROLEUM RESOURCES
VICTORIA, BRITISH COLUMBIA**

SUBJECT

SD 41

..... ^{SUB} FILE No. 01

001309

PROPERTY FILE

MINFILE

MINFILE NO.: O82ESE145

NAME(S): SD 41

STATUS: Showing

MINING DIVISION: Greenwood

N.T.S.: O82E01W

LATITUDE: 49 05 55

UTM ZONE: 11

LONGITUDE: 118 23 00

UTM NORTHING: 5439120

ELEVATION: 1050 Metres

UTM EASTING: 399017

COMMENTS: Showing #5, Map #3 (Assessment Report 3172).

LOCATION ACCURACY: Within 500 M

COMMODITIES: Uranium

SIGNIFICANT MINERALS: Uraninite

ASSOCIATED MINERALS: Quartz Biotite

AGE OF MINERALIZATION: Unknown

DEPOSIT CHARACTER: Disseminated

DEPOSIT CLASS.: Magmatic Pegmatite

DOMINANT HOST ROCK: Metamorphic

STRATIGRAPHIC NAME	STRATIGRAPHIC AGE	ISOTOPIC AGE	DATING METHOD	MATERIAL DATED
FORMATION: Grand Forks	Upper Proterozoic			
IGN./META: Unknown	Lower Cretaceous			

LITHOLOGY: Pegmatite
 Biotite Gneiss
 Biotite Schist
 Diorite

TECTONIC BELT: Omineca
 TERRANE: Plutonic Rocks
 PHYSIOGRAPHIC REGION: Okanagan Highland
 METAMORPHIC TYPE: Regional

GEOLOGY: The area is underlain by the Upper Proterozoic Grand Forks Group, a raised fault block of high grade metamorphic rocks which are part of the Shuswap Metamorphic Complex. The rocks consist of biotite, amphibole, and pyroxene schists and gneisses, interlayered with pegmatites and leucogranite, with minor quartzites and calcareous rocks. These rocks are cut by north trending quartz monzonite dykes and stocks and dykes and small stocks of biotite-hornblende diorite and quartz diorite with minor amphibolite and pyroxenite. Regional foliation of the gneisses strikes northwest and dips 20 to 50 degrees southwest.

Principal host rocks for the uranium mineralization are quartz-rich pegmatites which are interlayered with the biotite gneisses and schists. Uraninite is associated with biotite clots in the pegmatite.

BIBLIOGRAPHY: EMPR ASS RPT *3172, 5585, 5964, 6392, 6535, 6536
 EMPR GEM 1971-374

MINFILE NO.: O82ESE145
 CONTINUED...

RUN DATE: 88/02/13
RUN TIME: 01:09:55

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

PAGE: 8

EMPR EXPL 1975-11; 1976-18; 1977-12,13
GSC P 69-22
CIM BULL Aug. 1980, p. 100

DATE CODED: 850724
DATE REVISED: 870305

CODED BY: GSB
REVISED BY: LDU

FIELD CHECK: NO
FIELD CHECK: NO

GSC MAP 6-1957

✓ GSC OF 551

082ESE145

MINFILE

MINERAL DEPOSIT INVENTORY

Map No. 82E/SE-195

Property No. _____ Metal Industrial Mineral Placer Coal Lapidary

Name: Current SD 41 Previous _____

C.G. and No. _____

Operator/Yr. _____

Claim (poss. SNOW - Unit?) Owner _____

Operator _____ Year 1975

Claim WENDY 24 Owner T. Schorn

Operator Chinook Construct. & Eng. Ltd. Year 1975

Claim SD 41 Owner B+H Prosp.⁹ (later Cronus Minerals Ltd.)

Operator B+H Prospect. (1970) ; Cronus Min. Ltd. (1971) Year 1970

Location: N.T.S. 82E/1W Lat. _____ Long. _____ U.T.M. _____

M.D. Greenwood In park _____ E. & N. El. _____

Location plotted shading Precision 1

Status: Producer : Active Inactive L+ L M S S-

Non-producer : Pot. prod. Under exploration Prospect Occurrence

Reserves: L+ L M S S- Tons _____ Grade _____

Est. potential: L+ L M S S- Grade _____

Development: Surface _____

Underground _____

Drilling _____

Surveys: Geol. _____ Geophys. '70, 1976 Geochem. 1976

References: M.M.A.R. _____

G.E.M. 1970-432, 1971-374, 1975-E11, 1976-E18, 1971-E12, 1978-E15

Dept. expl. forms 1975

Asses. rept.: Geol. 5585, 5844, 6439 Geophys. 3172, 6986, 764 Geochem. 6449, 6533, 6536

Geological and maps _____

Recorded by S. 4/7/71 Revised by _____ Lib. Res. Comp. _____

Summary description In pegmatite

Attitude of deposit: Strike _____ Dip _____ Azimuth _____ Plunge _____

Size: Length _____ Width _____ Depth _____

Mineralogy: Major Uraninite

Minor _____

Assays: Major elements _____

Significant minor elements _____

Production: Tons _____ Grade: Au _____ Ag _____ Cu _____ Pb _____ Zn _____

Others _____

Remarks see #142

Product(s) U

Map No. 82E/SE-195

Property No. _____



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

MINFILE

GEOLOGICAL SURVEY BRANCH

045

MINFILE

IDENTIFICATION

MINFILE NO. 082ESE145 NATIONAL MINERAL INVENTORY NO. _____

NAMES _____
SD 41

CLAIMS -----
OWNER -----
OPERATOR -----
STATUS SHOWing PROSpect DEVELOPED PROSPECT PRODUCER PAST PRODUCER

LOCATION
NTS 082E01W MINING DIVISION GRWD
LATITUDE 49° 05' 55" LONGITUDE 118° 23' 00" ELEVATION 1050 metres
UTM ZONE _____ NORTHING _____ EASTING _____
LOCATION CERTAINTY WITHIN 500m WITHIN 1km WITHIN 5km

COMMENT ON IDENTITY Showing No. 5 Map # 3 (ASS RPT 3172)

MINERAL OCCURRENCE

COMMODITIES UR
RESERVES TYPE --- TONNES ----- listed according to economic importance
OR BEST ASSAY DATA -----
COMMENTS -----

PRODUCTION YEARS ----- TONNES MINED -----
METALS RECOVERED -----

MINERALOGY ECONOMIC MINERALS URNN
COMMENTS -----
GANGUE MINERALS QRTZ BoIT
COMMENTS -----
ALTERATION MINERALS -----
COMMENTS -----
ALTERATION TYPE -----

AGE OF MINERALIZATION ----- ISOTOPIC AGE -----
DATING METHOD ----- MATERIAL DATED -----

- | | | | | | |
|--------------|--|---|--------------|---|---|
| DEPOSIT TYPE | <input checked="" 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 checked="" 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 checked="" type="checkbox"/> 13 DISSEMINATED | | <input type="checkbox"/> 5 SYNGENETIC | |
| | <input type="checkbox"/> 06 SKARN | <input type="checkbox"/> 14 MASSIVE | | | |
| | <input checked="" type="checkbox"/> 07 PEGMATITE → | <input type="checkbox"/> 15 UNKNOWN | | <input type="checkbox"/> 12 Pegmatite | |
| | <input type="checkbox"/> 08 STRATABOUND | <input type="checkbox"/> 16 UNCLASSIFIED | | | |

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

- 1 SEDIMENTARY 3 VOLCANIC 5 METAPLUTONIC METAMORPHIC
 2 PLUTONIC 4 METASEDIMENTARY 6 METAVOLCANIC

B. SUPERGROUP

GROUP 138
 FORMATION 138 Grand Forks ←
 MEMBER _____
 AGE 410
 ISOTOPIC AGE _____
 DATING METHOD _____
 MATERIAL DATED _____
 ROCK TYPE PGMT BONS BSCS
 LITHOLOGY BOIT GNSS BOIT SCST

C. IGNEOUS/METAMORPHIC/OTHER

370
 AGE 217
 ISOTOPIC AGE _____
 DATING METHOD _____
 MATERIAL DATED _____
 ROCK TYPE DORT
 LITHOLOGY _____

COMMENT ON HOST ROCK _____

GEOLOGICAL SETTING

TECTONIC BELT INsular YOMineca TERRANE CPC
 Coast Crystalline EAsTern
 InterMontane

PHYSIOGRAPHIC AREA OKHL

METAMORPHISM: TYPE 1 CONTACT RELATIONSHIP 1 PRE-MINERALIZATION
 REGIONAL 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 the Upper Proterozoic Grand Forks Group, a raised fault block of high grade metamorphic rocks which are part of the Siskiwitau Metamorphic Complex. The rocks consist of biotite, amphibole, and pyroxene schists and gneisses, interlayered with pegmatites and leucogranite, with minor quartzites and calcareous rocks. These rocks are cut by north trending quartz monzonite dykes and stocks and dykes and small stocks of biotite-hornblende diorite and granite diorite with minor amphibolite and pyroxenite. Regional foliation of the gneisses strikes northwest and dips 20 to 50 degrees southwest. Principal host rocks for the uranium mineralization are quartz-rich pegmatites which are interlayered with the biotite gneisses and schists. Uraninite is associated with biotite clots in the pegmatites.

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

EMPR ASS RPT *3172, 5585, 5964, 6392, 6535, 6536
 EMPR GEN 1971-374
 EMPR EXPL 1975-11, 1976-18, 1977-12, 13
 GSC P 69-22
 CIM BULL Aug 1980 p 100

CODED BY L D J initials FIELD CHECKED: YES NO DATE CODED 1987 yr 03 mo 05 day
 REVISED BY _____ initials FIELD CHECKED: YES NO DATE CODED _____ yr _____ mo _____ day