



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

MINEFILE

U25

GEOLOGICAL SURVEY BRANCH

MINFILE

000755

IDENTIFICATION

MINFILE NO. 082ENW069 NATIONAL MINERAL INVENTORY NO. _____

NAMES
Johnson's Slough
Fauider
MEADOW VALLEY FIELD



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

LOCATION
NTS 082E12W MINING DIVISION 050Y
LATITUDE 49° 39' 10" LONGITUDE 119° 48' 00" ELEVATION 720 metres
UTM ZONE _____ NORTHING _____ EASTING _____
LOCATION CERTAINTY WITHIN 500m WITHIN 1km WITHIN 5km

COMMENT ON IDENTITY Johnson's slough, Figure 5D (Ass RPT 6525)

MINERAL OCCURRENCE

COMMODITIES UR
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 _____

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 unconsolid

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 Glacial / Fluvial MEMBER _____
 AGE 100 Gravels ISOTOPIC AGE _____
 DATING METHOD _____ MATERIAL DATED _____
 ROCK TYPE Soil GESM _____
 LITHOLOGY GLLC SOIL _____

C. IGNEOUS/METAMORPHIC/OTHER OKanagan Batholith 573
 AGE 224 ISOTOPIC AGE _____
 DATING METHOD _____ MATERIAL DATED _____
 ROCK TYPE QRZD _____
 LITHOLOGY QRTZ DORT _____

COMMENT ON HOST ROCK uraniferous rich, postglacial surficial sediments.

GEOLOGICAL SETTING

TECTONIC BELT INSular OMineca TERRANE CPC
 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 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.

Johnson's Slough contains uranium rich marshes with soil sample values up to 0.03% uranium (ASS RPT 6575). This postglacial surficial occurrence of enriched uranium has a high uranium to bicarbonate ratio.

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

EMPR ASS RPT *6575, 7308
EMPR EXPL 1977-74-35

Bates, D.V., J.W. Murray, and V. Randsapp (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 LDI initials FIELD CHECKED: YES NO DATE CODED 1987 yr 03 mo 20 day
 REVISED BY _____ initials FIELD CHECKED: YES NO DATE CODED _____ yr _____ mo _____ day

GSC OF 551 (checkmark)