Ministry of Energy, Mines and Petroleum Resources GEOLOGICAL SURVEY BRANCH

001044

## **MINFILE**

	NEW REVISION MODIFIED
	FICATION
MINFILE NO	NAT'L MINERAL INV. NO.
FG.	CANMINDEX NO.
NAME(S) 1. Lakeside (L, 1023) 2. MAKENTION	
3	
4	
STATUS: SHOWing PROSpect DEvelope	d PRospect O U PRODucer O PAst PRoducer
LOCATION:	
NTS MAP:	
BC MAP:	
LATITUDE: LONGITUE	5447075 EASTING: 382325 DE:°″
ELEVATION: 1155 (metres)	
LOCATION CERTAINTY: X within 500 m 2	within 1 km 3 within 5 km  2 From the lower eastern shore of Jewel
lake 9.5 kilometres north-northe	45t from the town of Greenwood. EMPR AR 1933-AIS
Lake 1.3 killing 10 horizontal	- TOWN IN COUNTY OF COME OF COME IN CITY IN
MINERAL C	DCCURRENCE
COMMODITIES: AG AU PB CU	
MINERALOGY:	
SIGNIFICANT Minerals: PYRT GLEN CCCP	
Comment:	
ASSOCIATED Minerals: ORTE	
Comment:	
ALTERATION Minerals:	
Comment:	
ALTERATION Type:	
DEPOSIT CHARACTER    Deposit Character   Depos	D2 Magmatic   12 Pegmatite
AGE OF MINERALIZATION: ** ** ** ** ** ** ** ** ** ** ** ** **	ISOTOPIC AGE:
MATERIAL DATED:	DATING METHOD:
SHAPE OF DEPOSIT: 1 Regular 2 Tabular 3 Cylin	ndrical 4 Bladed 5 Irregular
SHAPE MODIFIER: 1 Folded 2 Faulted 3 Frac	tured 4 Sheared 5 Other
DEPOSIT DIMENSION: X X	(metres)
ATTITUDE: STRIKE/DIP 070 685 TREND/PLU	ndrical 4 Bladed 5 Irregular stured 4 Sheared 5 Other  (metres)  NGE
Comment:	2
DATE CODED: Y M D CODED BY Y 89 M 02 D /4 REVISED BY	FIELD CHECKED YES NO



DOMINANT HOST ROCK:	Sedimentary Plutonic	3 Volcanic 4 Metasedimentary	5 Metaplutonic 6 Metavolcanic	7 Metamorphic
FORMAL HOST:  1. Group: 365  Strat-Age: 379  Dating Method:	Anarchist G Pennylvanian-Miss (Carboniterous or	Stippian Isotopic	on: : Age:	
2. Group: Strat-Age:  Dating Method: INFORMAL HOST:		Isotopic	on:	
Igneous/Metamorphic/Oth     Strat-Age:	Turo-Cte	taceous Isotopic	Age: Dated:	on Plutonic Rocks
2. Igneous/Metamorphic/Oth Strat-Age:	Tortary(low			<u> </u>
Comment on Host Rock:				
ROCK TYPE/LITHOLOGY:  MODIFIER O	CODE(S)	ROCK CODE GROR		ROCK NAME 3 randator FU
501	GROR PLSK LMPP	BSLT WCKE WCKE DYKE DYKE OYKE	9 9	chistosi metabasatt quartz wacke Inthic wacke ranadiorite dyke pulaskite dyke ruprophyre dyke
	VE	GEOLOGICAL SE	TTING	
TERRANE: 1. M U	Indiviold Mitamor CHL Oka		2. CPC	DMineca EA EAstern Plutonic Rocks
	E Contact Regional	RELATIONSHIP Pre-Mineralization Syn-Mineralization Post-Mineralization		
AM HF	Greenschist Amphibolite	BS Blueschist  EC Eclogite  AN Anthracite  SA Semi-Anthracite  LV Low Vol. Bituminous	MV Med. Vol. HV Hi Vol. Bit SB Sub Bitun LI Lignite	uminous
Geological Setting Comment:				

The Jewel Lake area is underlain by a complex of metamorphic rocks mostly of sedimentary and volcanic origin correlative with the Parboniferous or older Anarchist Group, and a large granodiorite intrusion correlative to the Juro-Cretaceous Nelson Plutonic Rocks. Small dykes and sill-like bodies, feeders to nearby Tertiary lavas, pervade these units. Four north striking and one northwest striking quartz fissure-vein structures are known in the Jewel Lake camp, all of which have received some development.

Locally the northwest striking and steeply northeast dipping metamorphosed volcanic and sedimentary rocks are not always distinguishable, both being fine-grained and medium or dark coloured with primary structures such as bedding and flow banding being confused with foliation or gneissosity. Generally the sedimentary rocks are brittle and quartz rich, however compositions vary and some biotitic varieties have the same competence as the amphibole-rich volcanic rocks. These rocks are locally called quartzites but few are true quartzites and more appropriate terms would be quartz wacke or lithic wacke. The massive character of the volcanic rocks is due to a combination of intense regional metamorphism and primary structures. Field and petrographic data indicate that at least some of the original rock formed as a result of massive accumulations of lava flows and pillow lava. Crosscutting feeder dykes and sills are significant and contribute to the massive aspect of the volcanic rocks. The metamorphosed schistose volcanic rocks are compositionally basalts. These metasedimentary and metavolcanic rocks form part of the Carboniferous (Pennsylvanian-Mississippian) or older Anarchist Group.

Igneous intrusions include a large Lower Cretaceous granodiorite pluton and a host of younger pulaskite and lamprophyre dykes. The granodiorite returned a K-Ar date of 128 +/-5 Ma and is correlative with Nelson Plutonic Rocks. The granodiorite is a homogeneous medium-grained grey body which intrudes the metavolcanic rocks along a northwest trending contact in the southwest part of the camp. Alteration is minor with some replacement of amphibole by epidote. The intrusive has produced little effect in both the metavolcanic and metasedimentary rocks. Granodiorite dykes occur and are compositionally similar to the main granodiorite body and are probably offshoots from it. Pulaskite dykes are numerically most important. Several types are evident including both quartz-bearing and undersaturated types.

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On the Lakeside claim (L.1023), 381 metres northwest of the EDentonia vein structure (Minfile 082ESE055), a quartz vein occurs in a shear zone 0.7 to 1.2 metres wide. The vein ranges in width from 20 to 91 centimetres but averages 25 to 30 centimetres and is mineralized with pyrite and small amounts of galena and sphalerite. The vein attitude varies from 035 to 070 degrees and dips 68 degrees south.

The state of the s	

		CAPSULE GEOLOG	GY .
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		WORK HISTORY	
FROM TO	WORK TYPE	AMOUNT (m/km/ha/No.)	COMMENT (Owner/Operator/Results)
		(	(Cimeropolica)
	-		
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	-		

to mastry of Seatmentary employers, bright contessative with the continuous of older Anarchief Group, and a large grandsfortie forestand contessative to the Juro-Cretacedus Nelson Elutonic Rocks



ORE ZONE NAME	: Lakeside			YEAR:/	941
CATEGORY:	MR Measured Recoverabl	e	IN Indicated Ore	UN	Unclassified
	MG Measured Geological		IF Inferred Ore		Best Assay
SAMPLE TYPE:	CHIP Chip GRAB Gra	b CHNL Channe	BULK Bulk D	IAD Drill Core RO	CK Rock
CALCULATION A:	QUANTITY:		(tor	nes)	
Commodity AU AG	Grade 4 8 281	Commodity	Grade	Commodity	Grade
		(Precious metals in g	rams, others in per cent)		
CALCULATION B:	Comment: Sample 1 Reference: EMPR PF (	082ESE055, H Compleaste	edley. M.S. 194	1): Geology of the Dentonia	the Tewel Lake Mine, Boundar
Commodity	Grade	Commodity	Grade	Commodity	Grade
	·				·
		/Precious metals in as	rams, others in per cent)		
	Comment:				
	neielelice.				
		PROD	UCTION		
YEAR:	ORE MI	NED:	(tonnes)	ORE MILLED:	(tonnes)
Commodity	Quantity	Commodity	Quantity	Commodity	Quantity
	(Prec	ious metal quantities i	in grams others in kilogra	ms)	
	(Prec	ious metal quantities i	in grams others in kilogra	ms)	
	Comment:		in grams others in kilogra	ms)	
	Comment:	163; AZ4	GRAPHY	ms)	
EMPR AR	Comment:	BIBLIO	GRAPHY (pnificant references)		
EMPR AR	Comment:	BIBLIO	GRAPHY		; 12
EMPR AR GSC MAP	Comment:	BIBLIO (place * before signal - AZS; 1898 -	GRAPHY (pnificant references)		;
EMPR AR GSC MAP GSC P 7	Comment:	BIBLIO (place * before signal - AZS; 1898 -	GRAPHY (pnificant references)		;
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EMPR AR GSC MAP GSC P 7 GSC OF	Comment:	BIBLIO (place * before signal - AZS; 1898 -	GRAPHY (pnificant references)		;
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EMPR PF	Comment:  Reference:  1940-1  1933- A159: 1941-  878: 6-1957: 10-  9-29  1969  0878-150-14-14-14-14-14-14-14-14-14-14-14-14-14-	place * before signal of the state of the st	GRAPHY Inificant references) 1124; 1899-604,8	144): Gulogy	
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