

### Location/Identification

<b>MINFILE Number:</b>	093E 042	<b>National Mineral Inventory Number:</b>	093E11 Cu4
<b>Name(s):</b>	<b>FAB 49</b> COLES CREEK		
<b>Status:</b>	Showing	<b>Mining Division:</b>	Omineca, Skeena
		<b>Electoral District:</b>	Nechako Lakes
<b>Regions:</b>	British Columbia	<b>Resource District:</b>	Nadina Natural Resource District
<b>BCGS Map:</b>	093E054		
<b>NTS Map:</b>	093E11E	<b>UTM Zone:</b>	09 (NAD 83)
<b>Latitude:</b>	53 32 06 N	<b>Northing:</b>	5933233
<b>Longitude:</b>	127 14 15 W	<b>Easting:</b>	616809
<b>Elevation:</b>	1292 metres		
<b>Location Accuracy:</b>	Within 500M		
<b>Comments:</b>	Located about 5 kilometres south of Troitsa Lake approximately 105 kilometres south-southwest of the community of Houston.		

### Mineral Occurrence

<b>Commodities:</b>	Copper, Molybdenum		
<b>Minerals</b>	<b>Significant:</b>	Chalcopyrite, Molybdenite	
	<b>Associated:</b>	Quartz, Pyrite, Magnetite	
	<b>Alteration:</b>	Biotite, Orthoclase	
	<b>Alteration Type:</b>	Biotite, Potassic	
<b>Deposit</b>	<b>Character:</b>	Stockwork, Vein	
	<b>Classification:</b>	Porphyry, Hydrothermal, Epigenetic	
	<b>Type:</b>	L04: Porphyry Cu +/- Mo +/- Au	

### Host Rock

<b>Dominant Host Rock:</b>	Plutonic		
<b>Stratigraphic Age</b>	<b>Group</b>	<b>Formation</b>	<b>Igneous/Metamorphic/Other</b>
Lower Jurassic	Hazelton	-----	-----
Upper Cretaceous	-----	-----	Bulkley Intrusions
<b>Isotopic Age</b>	<b>Dating Method</b>	<b>Material Dated</b>	
-----	-----	-----	
83.8 Ma	Potassium/Argon	Biotite	
<b>Lithology:</b>	Hornblende Biotite Porphyritic Granodiorite, Dacitic Porphyry		

### Geological Setting

<b>Tectonic Belt:</b>	Intermontane	<b>Physiographic Area:</b>	Tahtsa Range
<b>Terrane:</b>	Stikine, Plutonic Rocks		

### Inventory

No inventory data

### Capsule Geology

The Fab 49 occurrence is located about 5 kilometres south of Troitsa Lake approximately 105 kilometres south-southwest of the community of Houston.

Porphyry copper mineralization is associated with a sub-circular, porphyritic, hornblende biotite granodiorite stock of the Late Cretaceous Bulkley Plutonic Suite. The stock is primarily bounded by a dacite porphyry lacolith and cuts Lower Jurassic Hazelton Group rocks on its western edge. Mineralization consists of chalcopyrite, pyrite and molybdenite in quartz vein stockworks and sulphide-filled micro-fractures. Pervasive biotite-orthoclase alteration is associated with this mineralization. Chalcopyrite-magnetite-biotite stringers are also present.

In 1987, samples were collected from the Fab 49 area where Amax had drilled three holes in the stock in 1972. No results from the drilling were reported.

Much of the work done by Callinan Mines (Callinex) covers ground over or near the locations of all the following Fab showings: Fab (093E 041), Fab 49 (093E 042), Fab 44 (093E 043), Fab 45 (093E 044), Samuel (093E 104). The Callinex assessment reports provide maps of work done and raw data but do not summarize mineralization or provide information based on discrete zones or showings. The 2102 ZTEM airborne survey covered all the showings of the original Fab group and those of the Troitsa property as well, which include: Troitsa (Lake) (093E 003), Troitsa (Main) (093E 005) Troitsa (Cirque) (093E 009), Troitsa East (093E 129). Much of the Callinan drilling was between Fab 49 and Fab (093E041).

Refer to Fab (093E 041) for related geology and property work history details.

### ***Bibliography***

EMPR AR 1967-113; 1968-141

EMPR ASS RPT 1073, 1679, \*2003, 3309, \*10975, 15980, \*17228, \*28324, \*29286, \*31453, \*32189, \*32936, \*34554

EMPR BULL \*75, pp. 52,65-67

EMPR EXPL 1982-282

EMPR FIELDWORK 1986, pp. 171-179

EMPR GEM 1969-98; 1970-104; 1971-145; 1972-340EMPR OF 1987-4; 1994-14

EMPR PF Rimfire (Westbank Resources Ltd. (unknown): Map of located Mineral Claims and Ownership - Whitesail Region)

GSC MEM 299

GSC MAP 1064A

GSC SUM RPT 1920, Part A; 1924, Part A; 1925, Part A

GSC P 72-1A; 79-1A

PR REL Callinan Mines Ltd. Sept.6, 2006, Aug.25, Dec.\*9, 2010, Jan.\*11, 2011; Callinex Mines Inc. Nov.\*25, 2011, Oct.19, 2012

N MINER Nov.14, 2008

Deveaux, P.J. (2011-05-06): Coles Creek Exploration Update, 2010

EMPR PFD 822058, 800478, 802095, 802096, 802116

<b>Date Coded:</b>	1985/07/24	<b>Coded By:</b>	BC Geological Survey (BCGS)	<b>Field Check:</b>	N
<b>Date Revised:</b>	2020/05/13	<b>Revised By:</b>	Karl A. Flower (KAF)	<b>Field Check:</b>	N