

JAG GROUP

521034

FIDDLER CREEK

FORT STEELE MINING DISTRICT

82F/9W

MINERAL TITLES

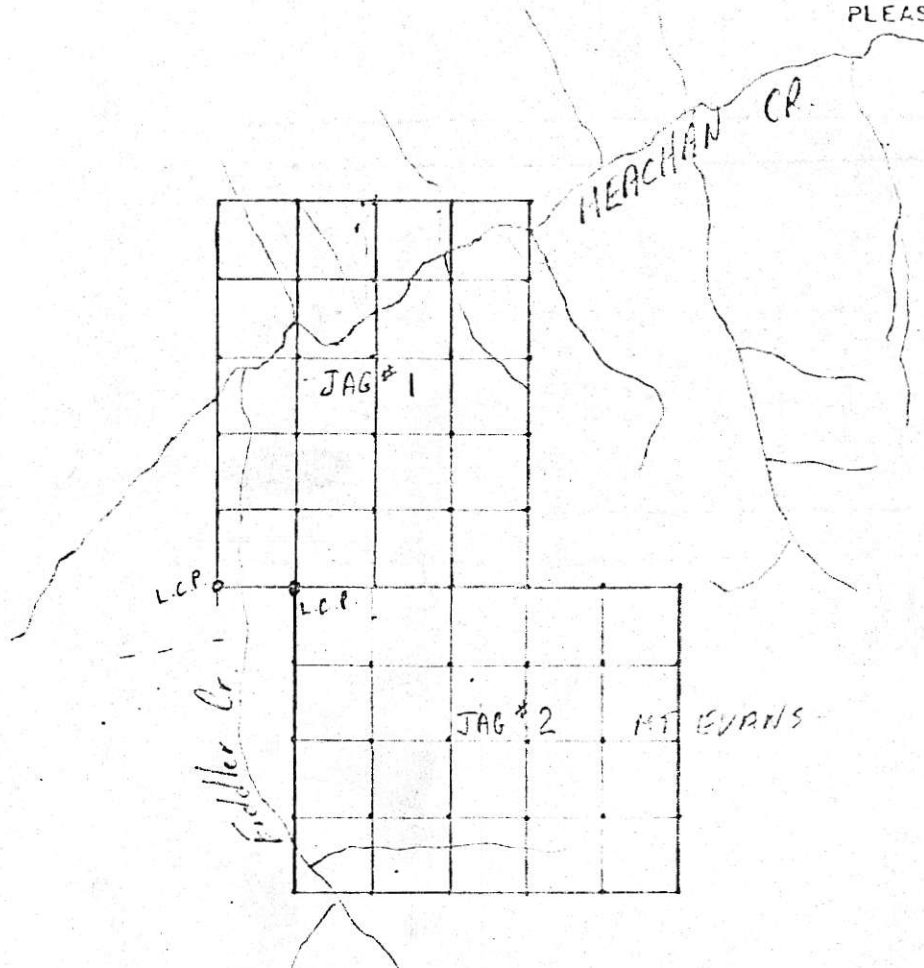
SKETCH OF LEGAL CORNER POST LOCATION

CLAIM NAME JAG #1 MAP No. 82F 9w MINING DIVISION Ft. Steele
 TAG No. 51629 AIR PHOTOGRAPH No.s (if used) _____

A Please provide a detailed sketch of the immediate area where the Legal Corner Post was placed naming all topographic features, roads, camps and landmarks.

PLEASE NOTE:- It is suggested that a sketch be completed at the time of staking

mapfile # 71



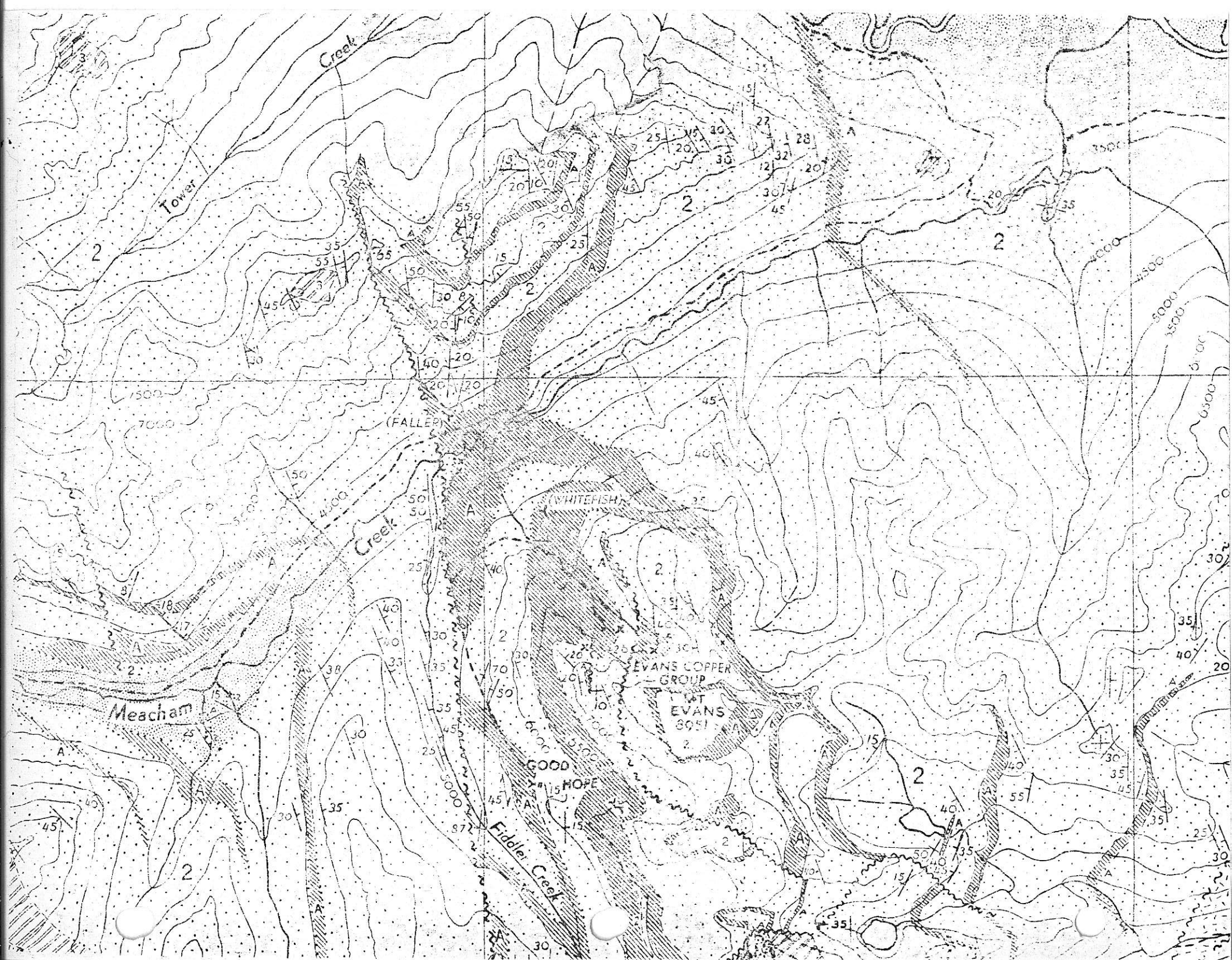
Would the Legal Corner Post be visible from the Air? Yes No

B Describe the route and means of access to the mineral claim by completing the following question

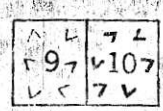
	Name of Carrier	Point of Departure	Approx. distance and bearing point of landing from point of departure
Helicopter			
Fixed Wing-Wheel			
Fixed Wing-Float			

and/or Describe the route taken and distance to the mineral claim from point of landing or other known point using one or more of the following:

2-Wheel Drive 4-Wheel Drive Boat On foot Other _____
snowmobile
4 wheel drive from Kimberley to junction of St Mary's river + Meschan Creek - snowmobile to L.C.P. post of JAG #2
snowshoes on clean lines



MESOZOIC
OR(?)
CENOZOIC

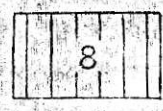


9. Granite, granodiorite
10. Granite, pegmatite

PALAEZOIC

CAMBRIAN

LOWER CAMBRIAN



EAGER FORMATION: dark argillite, grey argillite; brown weathering limy sandstone and sandy limestone



CRANBROOK FORMATION: siliceous quartzite, grit, and conglomerate

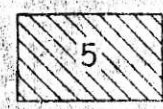
PURCELL

UPPER PURCELL(?)



DUTCH CREEK FORMATION(?): laminated black argillite, green argillite, quartzite

LOWER PURCELL



KITCHENER-SIYEH FORMATION: varicoloured dolomitic argillites, buff weathering dolomite

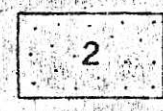


CRESTON FORMATION: green and grey weathering, green, grey, and purplish argillaceous quartzite, quartzite, and argillite
4A. Grey weathering, grey and grey-green argillite

ALDRIDGE FORMATION (1-3)



Upper Division: rusty weathering laminated argillite and argillaceous quartzite

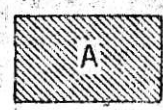


Middle Division: grey weathering, massive grey quartzite and argillaceous quartzite, with argillite partings; brown weathering, argillaceous quartzite and argillite



Lower Division: rusty weathering grey quartzite, argillaceous quartzite, and argillite; grey weathering massive quartzite; mica schist

PROTEROZOIC



Dioritic sills and dykes (Proterozoic?)

EVANS GROUP

The Evans group is on the west slope of Evans Mountain and is reached by a trail about 11 miles long that follows up Meacham Creek from the outlet of St. Mary Lake. It is owned by C. and W. Evans of Marysville. The main camp is at the mouth of Fiddler Creek and a small cabin is in Pollen basin on Evans Mountain.

The principal workings are in two groups, one near the main camp and one at an elevation of 6,000 feet in Pollen basin. The lower workings consist of a number of open-cuts, which have exposed a large, flat-lying Purcell sill intruded into the Aldridge formation. In this sill occur patches and irregular bodies of disseminated pyrite, pyrrhotite, and chalcopyrite.

The upper workings also consist of a series of open-cuts, which expose two or more quartz-calcite veins in another diorite sill in Aldridge sediments. The largest of these veins is continuously exposed in an open-cut for about 30 feet. It is over 6 feet wide, strikes roughly east, and dips steeply. The wall-rock is coarse-grained diorite, which in places carries disseminated sulphides. The principal sulphide in the vein is chalcopyrite with minor amounts of pyrrhotite and galena. The continuation of the vein beyond the ends of the open-cut has not been demonstrated. The sill is flat and it is probable that the exposed part of the vein is near its upper contact.

A second vein is exposed in an open-cut farther up the basin. It is smaller and not so well mineralized as the first. Other mineral showings are reported, but were not seen by the writer.

EVANS PROPERTIES ON EVANS MOUNTAIN

These deposits consist, in part, of disseminated sulphides concentrated into lenses within certain Purcell sills and, in part, of quartz-calcite veins. According to Cairnes and Schofield the disseminated ore constitutes a true magmatic differentiate and is, therefore, of the same age as the sills--Precambrian. The quartz-calcite veins are apparently genetically related to them and are, therefore, of the same age. The disseminated deposits consist of pyrite, pyrrhotite, and chalcopyrite with minor amounts of sphalerite in a gangue of the same composition as the normal sill rock; the same sulphides occur in varying proportions in the quartz-calcite veins. Regarding the economic possibilities of these deposits, Cairnes says: "From a large pile of ore at the portal, reported to contain 250 tons of high-grade, it is stated that a 250-pound sample gave an assay return of 19½ per cent copper and \$10 in gold to the ton. Judging from the appearance of the ore and the amount and reported values obtained from this one small working, the deposit is worth further exploration."

EVANS GROUP OF CLAIMS

The Evans group of claims, owned by C. and W. Evans, of Marysville, is situated on the western slope of Evans mountain, at an elevation of about 6,000 feet. The mountain is composed of easterly dipping Aldridge quartzites intruded by three diorite sills, the upper one forming the summit of Evans mountain.

The lower claims contain a tunnel 200 feet long driven into a low grade ore-body of the differentiate type contained in a gabbro sill about 400 feet thick and forming the lowest of the three sills. The ore consists of pyrrhotite and cupriferous pyrite impregnating a coarse-grained hornblende granite. The upper claim contains a fissure vein about 4 feet wide, striking N. 45° E. in a sill of normal hornblende gabbro, which forms the middle of the three sills. The ore consists of chalcopyrite, pyrite, and some pyrrhotite and native copper in a quartz calcite gangue.

Work is being pursued on both groups of claims with a view to determine the size and relation of the two types of deposits.

One of the owners of the Faller Group, on White Fish creek, has sent me the following information respecting this property:--

This group consists of six mineral claims, the Faller, Evangeline, Lamont, Standard, Estella and Alice. On the Faller two tunnels have been driven, the No.1 for 405 feet, 275 feet of which were through gravel, the remaining 130 feet being on the ledge, while the No. 2 tunnel is now in for 74 feet, being in ore the entire length. The ledge is 8 feet in width: the ore is copper pyrites with some native copper; the values are as follows: -- Copper, 3 per cent to 26 per cent; silver, 6 oz. per ton; gold, from 80 cents to \$ 2.50 per ton. On the Evangeline a shaft 60 feet deep has been sunk on the ledge, and is in ore all the way. Other work, in the nature of surface cuts, has proven the width of the ledge to vary from 3 to 10 feet.

JAG, EVANS, GOODHOPE, FALLER, WHITEFISH

(82F/NE-69, 70, 71, 72, 126)

LOCATION: Lat 49° 34' Long 116° 19'
FORT STEELE M.D. About 6 miles southwest of St. Mary Lake extending from Meachen Creek up the northwest slope of Mount Evans.

CLAIMS: Jag 1 to 58

OWNERS: J.A.Gilbert, 4701, Toronto-Dominion Centre, Toronto, Ont, and A.Hopkins, 810 Duplex Avenue, Toronto, Ont.

METALS: Copper, Lead

DESCRIPTION: The claims worked on contain seven showings, all of them quartz or quartz-calcite veins in shear zones and tension fractures in diorite sills which intrude sedimentary rocks of the Aldridge Formation. In and adjacent to these veins are chalcopyrite, pyrite, pyrrhotite, and minor galena with tetrahedrite and malachite and azurite-staining in places.

WORKDONE: Linecutting and prospecting, 66,500 feet of line; geological mapping; geochemical soil and rock survey, 51,500 feet covering Jag 1-14, 23-33, 35, 37, 57, and 58.

REFERENCES: Minister of Mines. B.C. Ann. Rept. 1906, p. 251 (Faller); 1915, pp. 110-112 (Whitefish Creek Area) 1920, p. 118 (Whitefish) 1934, p. E29 (Evans); Geol Surv, Canada, Mem 228, p. 57 (Evans); Geol. Surv, Canada, Paper 52-15, p. 5: Assessment Report 4235.

GOOD HOPE (82F/NE-72)

LOCATION: Lat. 49° 33' Long 116° 19'
FORT STEELE M.D. Seven and one-half miles west-southwest of the sawmill on St. Mary Lake, extending from Fiddler Creek up the southwest slope of Mount Evans.

CLAIMS: JAG 17 to 22, 39 to 44, 51 to 56.

OWNER: J. A. Gilbert

OPERATOR: MOUNT EVANS COPPER CORP, INC. 420, 120 Adelaide St. West, Toronto, Ont.

METAL: Copper

DESCRIPTION: Middle Aldridge Formation quartzites are intruded by Moyie metadiorite sills. Quartz-calcite veins in the sills carry pyrrhotite, pyrite, chalcopyrite, and minor galena and sphalerite.

WORK DONE: 1973 - geochemical survey, 25 soil and silt samples taken along roads and streams; IP survey, 800 line feet covering Jag 17, 19-22, 41-44, 53, 55.

REFERENCES: B.C. Dept. of Mines & Pet. Res., GEM, 1973, p.70; Assessment Report 4829.

Fiddler's Creek Prospect.

From: G.S.C. Memoir 228, 1941, pp 57 & 58....

DESCRIPTIONS OF PROPERTIES²

DEPOSITS RELATED TO THE PURCELL INTRUSIVES

Evans Group

References: Ann. Repts., Minister of Mines, B.C.: 1904, p. 109; 1915, p. 111; 1920, p. 118. Schofield, 1915, pp. 144-145. Cairnes, 1932, pp. 98-101.

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² Descriptions are given for only those deposits visited by the author.

Additional information on file includes:

1. Assessment report by G.V.Lloyd, P.Geol, Calgary(now in Thailand) Oct 1972. 23 pp, Geological, Geochemical(Cu, Pb, Cu+ Ag+ Pb) and underground maps of workings then open plus 11 assays.
2. Assessment work report by Tom Gledhill P.Eng. Nov 1973. 122pp plus 3 maps and 2 X-Ray analyses.