

84-#488 -#12414

BULL 1 MINERAL CLAIM

Southeastern British Columbia

Summary of 1983-84 Exploration

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,414

Summary of 1983-84 Exploration

BULL 1 MINERAL CLAIM

Fort Steele Mining Division

Record No. 1785

Held by owner: Robert J. Morris

Operated by: Robert J. Morris

N.T.S. map: 82 G/6W

Longitude: $115^{\circ} 25'$ West

Latitude: $49^{\circ} 30'$ North

U.T.M. Coordinates: 5 483 500 m North

614 000 m East

800 m Elevation

Report prepared by: Robert J. Morris

June, 1984

R. J. Morris
84.06.25

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SUMMARY:

The Bull 1 claim is within two kilometers of the former copper-silver-gold producer, Bull River Mine.

The area is covered with thick glacial and alluvial debris.

Work in 1983-84 included a liature search and one day on the claim looking for outcrop, with no success.

A seismic survey should be run to determine the depth of cover and an E.M. survey to test for buried conductors.

1.0 INTRODUCTION:

1.1 Location, Access and Physiography-

The Bull 1 mineral claim is on the extreme east side of the Rocky Mountain Trench approximately five kilometers by road northeast of the township of Bull River.

Geographically the claims are on a perched river channel about 120 m above the present level of the Bull River. The claims are on the south facing flank of the Steeples Range between Burntbridge and Little Bull Creeks.

Access to the claims is from a highway joining Wardner and Fort Steele, 8.5 km north of Wardner from Highway No. 3 and 2.0 km east along the B.C. Hydro access to the Bull River Dam. All access is on good all-season roads.

The claims are at an elevation of 880 m above sea level and cover an arid hillside which is predominantly grass covered.

1.2 Summary of Previous Work-

The Bull 1 claim covers a portion of the Bonanza claims which were staked in the 60's to cover a copper-silver-gold showing.

The area was mapped by G.B.Leech, 1958 and is covered by his geological map 11-1960.

1.2 Continued-

Two kilometers east of the claim was the former producer, Bull River Mine, which operated from 1971 to 1974. The mine geology is described by Ming Chiang, 1971 and 1972.

1.3 Scope and Objectives of 1983-84 Exploration-

The intent of exploration was to test for a possible extension of the Bull River Mine vein system onto the Bull 1 claim.

Work included one day of review of Ministry of Mines Annual Reports back to 1968 as well as reports on the Bull River Mine.

One day was spent in the field to locate existing trails, former exploration activity and outcrop.

2.0 GEOLOGY:

2.1 Regional Stratigraphy-

The Bull River Mine is hosted by rocks of the Aldridge Formation comprising, argillite, quartzite and interbedded argillite-quartzite. Above the Aldridge is the Creston Formation with argillite and siltstone and below the Aldridge is the Fort Steele Formation comprising white siliceous quartzite, argillite and dolomite.

All of the formations are cut by Moyie Intrusives which are diorite dikes ranging from coarse crystalline in the center of the dikes to fine mafic bodies on the borders. Quartz-siderite veins are common on the chilled edges.

2.2 Regional Structure-

The Bull River Mine is within regularly bedded strata. West of the mine is a major fault which places Devonian and Mississippian strata against Precambrian Purcell strata.

Several major structures were noted in the mine area ranging in attitude from striking E-W dipping 20-30° N to striking N40E and dipping 30-40° NW.

2.3 Detailed Geology-

The Bull 1 claim appears to be totally covered by glacial and alluvial debris. Mapped strata in the area (Leech, 1960) is Devonian Fairholme Group and Palliser Formations.

2.3 Continued-

The Fairholme is dolomite and limestone while the Palliser is massive limestone.

Several Cretaceous-Tertiary intrusives are mapped in the area, ranging from quartz monzonite, monzonite to granodiorite.

3.0 RECOMMENDATIONS:

Several geophysical surveys should be conducted in the area. A seismic survey should be run to determine the depth of cover and an EM survey should be run to test for conductors.

ITEMIZED COST STATEMENT:

Literature search	1 day x \$100/day	=\$100.-
Field examination	1day x \$100/day	=\$100.-
Report	1 day x \$100/day	=\$100.-
		<hr/>
		\$300.-

BULL 1 CLAIM, 2 Units x \$100/unit = \$200.-
= 1 year

STATEMENT OF QUALIFICATIONS

Robert J. Morris-B.Sc. 1973 U.B.C.

-M.Sc. 1978 Queen's University

-1973-1976 Coal Exploration, Kaiser Resources

-1977-1980 Mineral Exploration, " "

-1980-Present Consultant Geologist.

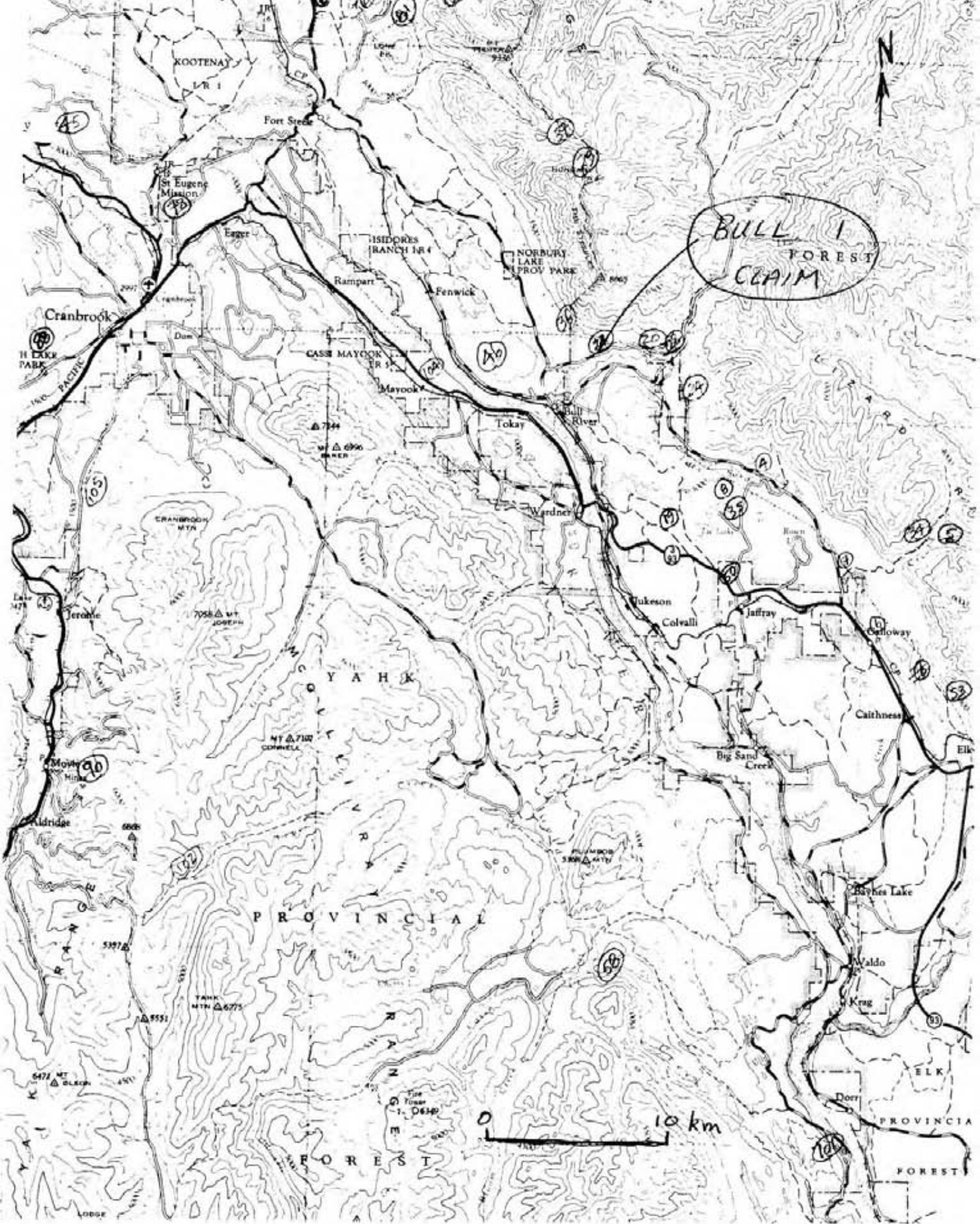
REFERENCES:

Chiang, M., 1971; Geology of the Bull River Mine; Unpublished, B.C. Ministry of Energy, Mines and Petroleum Resources.

Chiang, M., 1972; Bull River Mine; Unpublished, B.C. Ministry of Energy, Mines and Petroleum Resources.

Leech, G.B., 1958; Fernie Map-Area, West Half, British Columbia; G.S.C. Paper 58-10.

Leech, G.B., 1960; Geology, Fernie, West-Half; G.S.C. Map 11-1960.



Scale = 1:250 000

1:50,000

25'

20'

23

BULL 1

LCP

Block D

Block F

Block E

83

82

81

80

79

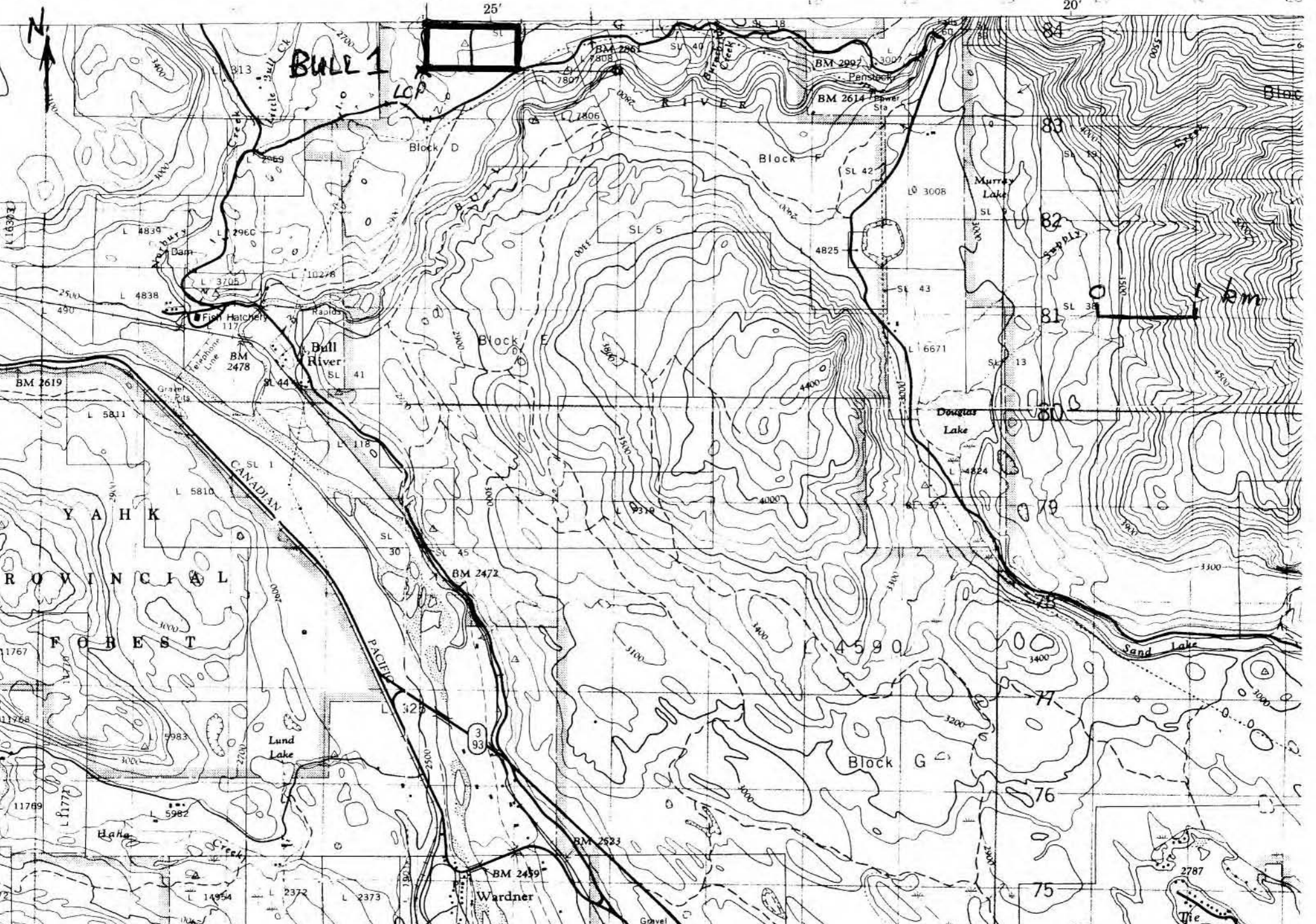
78

77

76

75

1 km



Y A H K
 R O V I N C I A L
 F O R E S T

3
 93

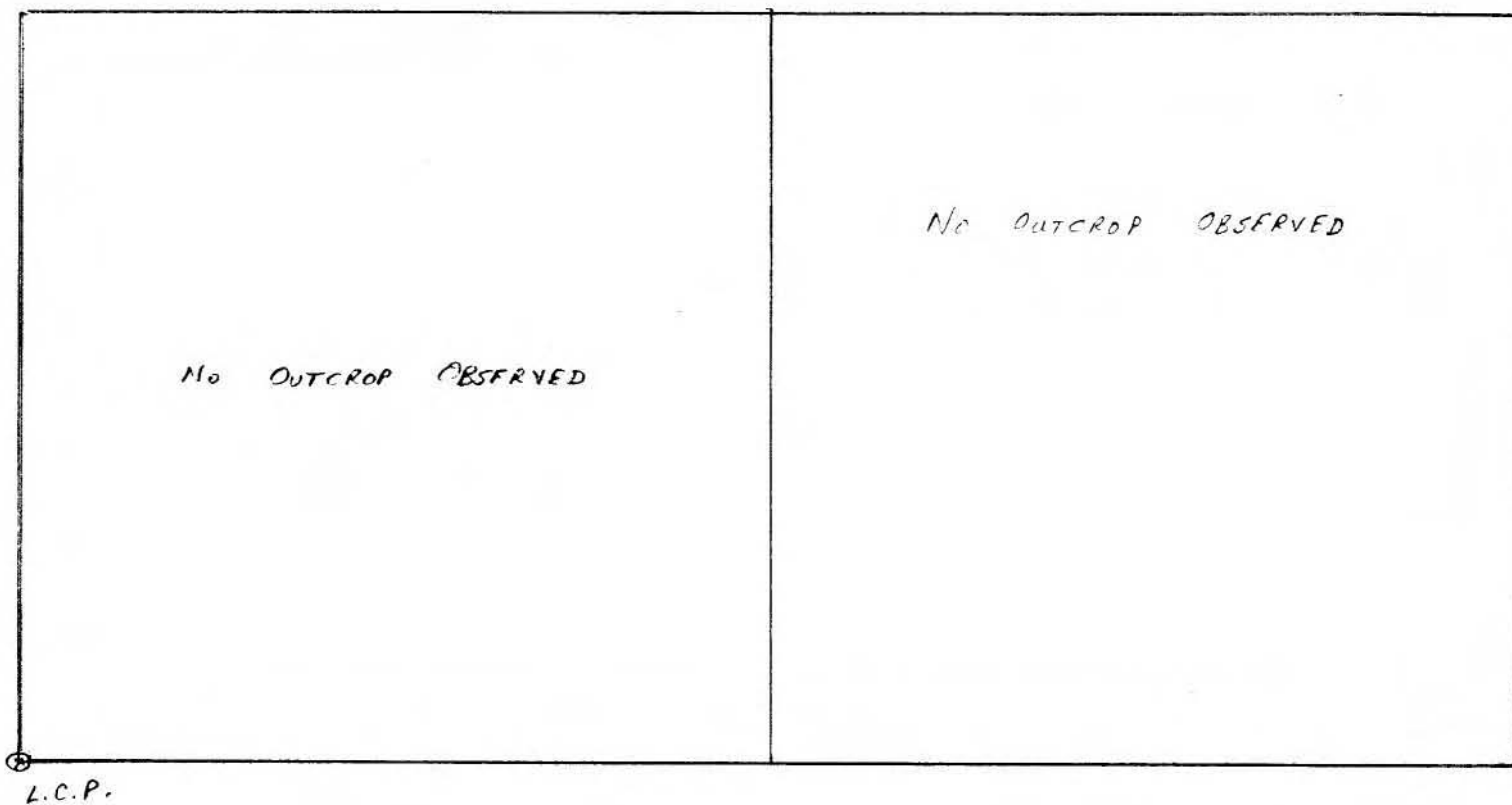
Wardner

Tie



BULL 1 MINERAL CLAIM

DETAILED SKETCH



SCALE : 1 = 5,000



Province of British Columbia
Ministry of Mines and Petroleum Resources

APPLICATION TO REDUCE THE SIZE OF A MINERAL CLAIM

MINERAL ACT
(Section 18)

1. Robert James MORRIS *Agent for self
(Name) (Name)

P.O. Box 1364, Fernie, B.C.
(Address) VCB1M0 (Address)

make application to reduce the under listed mineral claims by dropping units in accordance with the regulations. The unit numbering system shown on the reverse of the application has been used to denote the unit(s) to be dropped.

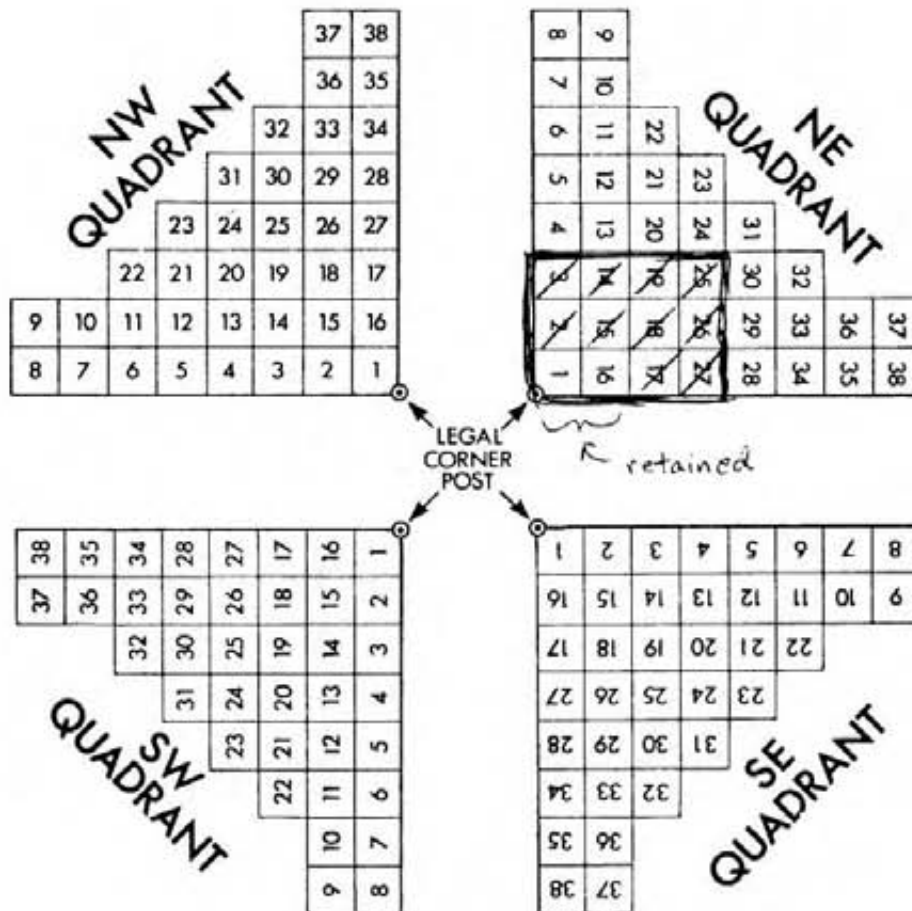
Name of claim	Record no.	Units to be dropped	OFFICE USE ONLY Value of exploration and development to be credited to reduced claim
BULL 1	1785	2, 3, 14, 15, 17, 18, 19 25, 26, 27	

Total \$

*Agent must be
authorized in writing.

84.06.20
(Date)

(Signature) R. J. Morris



UNIT NUMBERING SYSTEM

To use the unit numbering system:

1. Relate the claims to be reduced to the diagram shown above and select the appropriate quadrant, which would be:

SE if legal corner post is at the NW corner of claim.
 SW if legal corner post is at the NE corner of claim.
 NW if legal corner post is at the SE corner of claim.
 NE if legal corner post is at the SW corner of claim.

2. List the numbers of the units you wish to drop in the appropriate space on the front of the application.