

PROSPECTING REPORT

SUNBEAM FRN. LOT 5008

BLACK DIAMOND LOT 1444

UNION JACK LOT 1288

POOR PROPERTY LOT 1273

Trail Creek Mining Division

82 F / 4

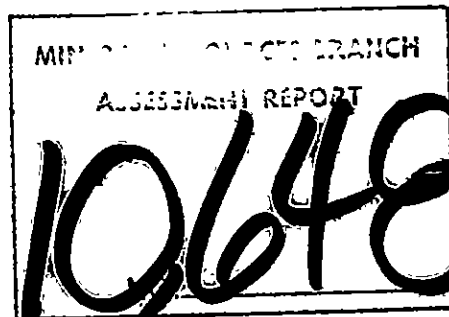
49° 4' N, 117° 49' W

Owner: D.K. Bragg

Operator: D.K. Bragg

Author: D.K. Bragg

Date: July 15, 1982



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Map of Union Jack and Poor Property C.G. 's	I - 1000	In pocket	

INTRODUCTION

Historically the Rossland camp has been a significant mining area from the mid 1890's to the late 1920's, during which time some five million tons of ore were mined, which at today's prices would approach a gross value exceeding two billion dollars. Much of this production centered around the War Eagle, Le Roi and the Centre Star crown granted claims which gave the Consolidated Mining and Smelting Company its beginning and the springboard into its position today.

Although these claims were the centre of the activity and the locus of the camp being one of the major gold producers in B.C. there were numerous other satellite properties that contributed to the total production.

Some of these satellite properties continued activity well after the cessation of operations in the Rossland camp by the Consolidated Mining and Smelting Company. During the 1930's many leasers worked the properties and activity has continued on a sporadic basis since then.

This writer has been involved in mining on the Blue Bird crown grant claim from 1972 to 1976, and has spent much time reviewing the data on the camp as well as prospecting much of the area.

The four claims covered in this report, the Sunbeam Frn. Lot 5008 Black Diamond Lot 1144, Union Jack Lot 1288 and the Poor Property Lot 1273 are held in the name of D.K. Bragg by application dated May 27, 1980.

One of the problems in working many of these old crown granted mineral claims in the Rossland camp is finding the old survey pins and establishing the claim boundaries in the field. It would appear from work done to date in the area of the old rail grade about one mile south of the city of Rossland that the crown granted claims are missplotted by approximately 750 feet to the east on the departmental claims map. This has resulted in some confusion and conflict when located mineral claims are then plotted on the map relative to topography.

The intent of this investigation was to try to find the lot survey pins and thus establish the claim boundaries in the field and to map in any mineral showings that were found along with any old workings on the four claims.

To assist in this the old survey plans were obtained for each claim. We were also able to find some of the old mineral maps of the Rossland camp dating back to the early 1920's that gives a fairly accurate plot of the claims relative to the topography.

### GEOLOGY

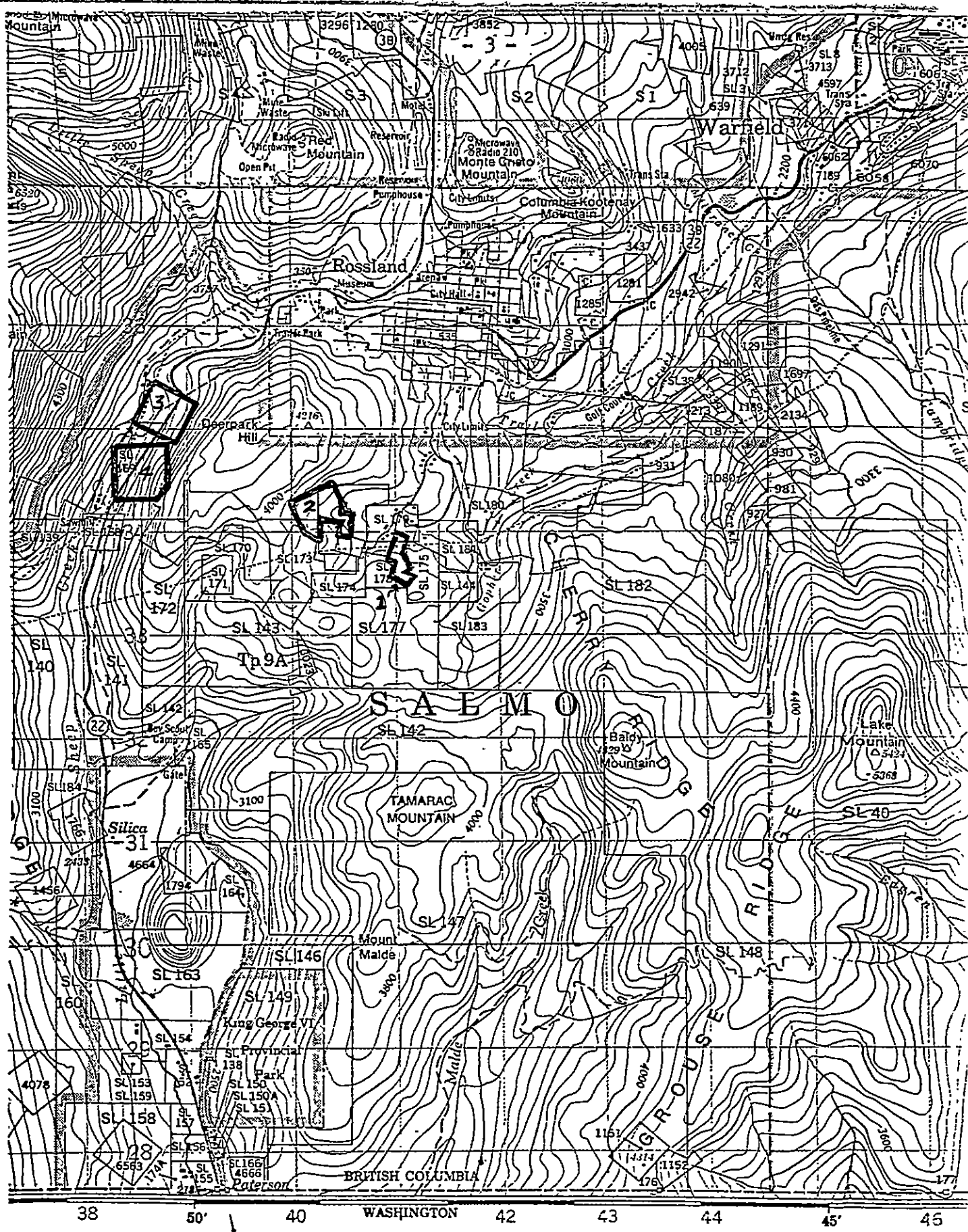
The Rossland area is underlain by sedimentary and volcanic rocks which have been intruded and metamorphosed by igneous rocks ( see GSC Memoir 308 by L.W. Little ).

The oldest formation is the Mount Roberts Formation ( Pennsylvanian ) which are sediments consisting of slates, limestones, quartzites and greenstones ( andesites and banded tuffs ).

This in turn is overlain by the Rossland Formation ( Lower Jurassic ) which consists mainly of lava flows of andesitic to basaltic composition, augite porphyry, and bodies of tuff and argillite.

The above rocks have been intruded by at least five different intrusions of lower Cretaceous to Tertiary ages.

Most of all these formations have been subjected to faulting and the intrusion of numerous dykes of various composition from monzonites to basalts. In general these dykes are steeply dipping and trend to the north. In the area to the south and south east of Rossland there are at least two fractures or faults along which mineralized stopes are formed. The Mayflower Blue Bird vein system can be traced for at least 1200 meters while the Homestake vein system has been traced for over a length of 2200 metres, although it is not known for certain that this is a continuous system. There are numerous other short fractures along which mineralization has been found.



INDEX MAP

- 1 Sunbeam Frn. Lot 5008
- 2 Black Diamond Lot 1288
- 3 Union Jack Lot 1273
- 4 Poor Property Lot 1285

**ROSSLAND-TRA**  
**BRITISH COLUMBIA**  
 82 F/4  
 Scale 1 50 000 Échelle



SUNBEAM FRN. LOT 5008, Record No. 524

The Sunbeam Frn. comprising of 10.54 acres was Crown Granted on Jan. 14, 1902 by Thomas Lapslie. There is little evidence of any work having been done on the property, although in 1913 it was grouped along with the Richmond, Hattie, Lily May, Black Horse, Dew Drop Frn. and the Alice D Frn. Some work was done on surface cuts but most of the work during this period was done on the Lily May.

PROPERTY LOCATION AND ACCESSIBILITY

The Sunbeam Frn. is two and one half kilometers South of the City of Rossland and is accessible by road through Drakes farm. A power transmission line crosses the northern section of the claim.

FIELD WORK

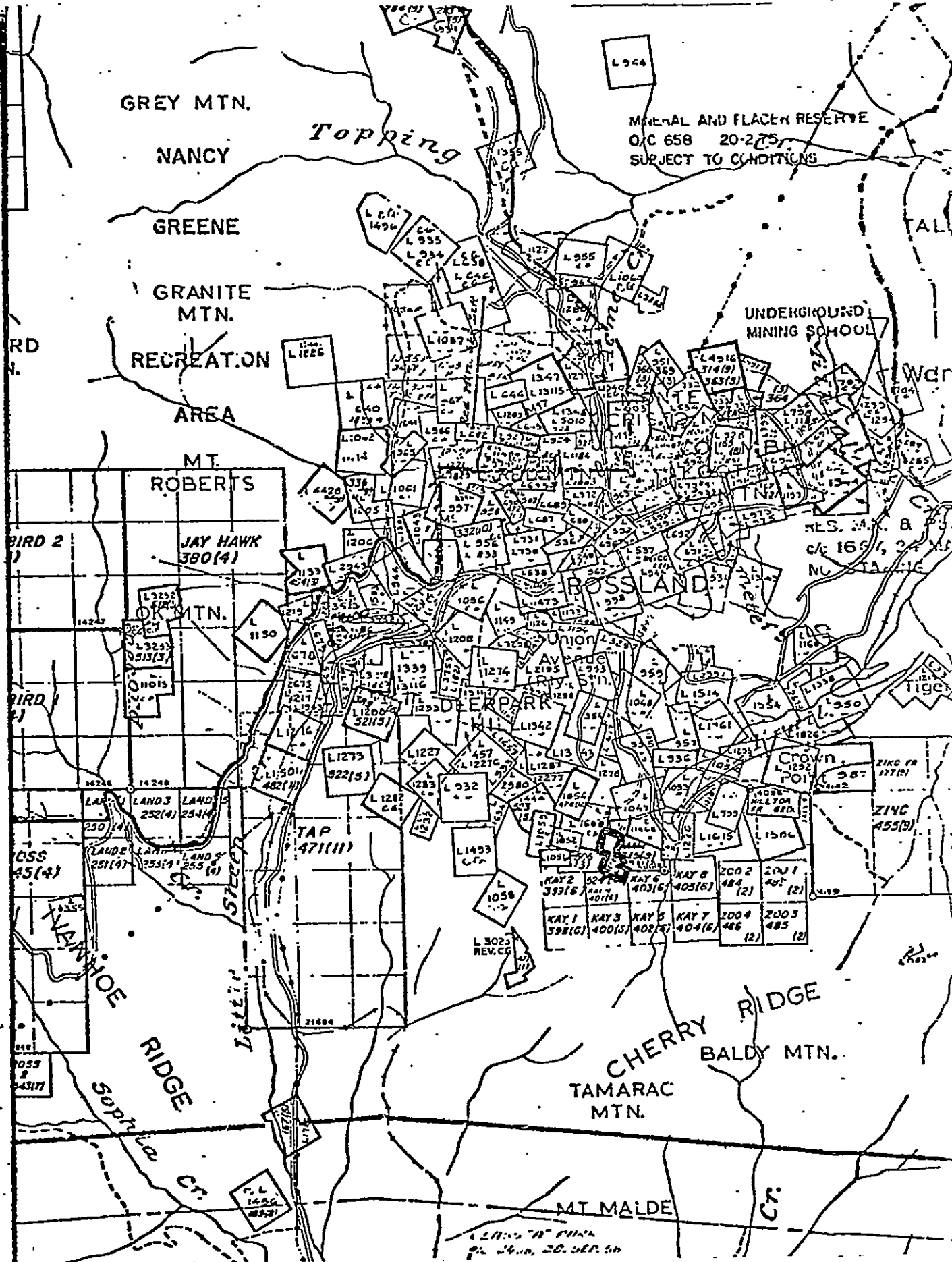
On the 22 nd day of May the property was visited by D. K. Bragg and E. S. Warner to prospect and try to deliniate the boundaries of the Sunbeam Frn. and to map in any showings relative to the claim.

RESULTS

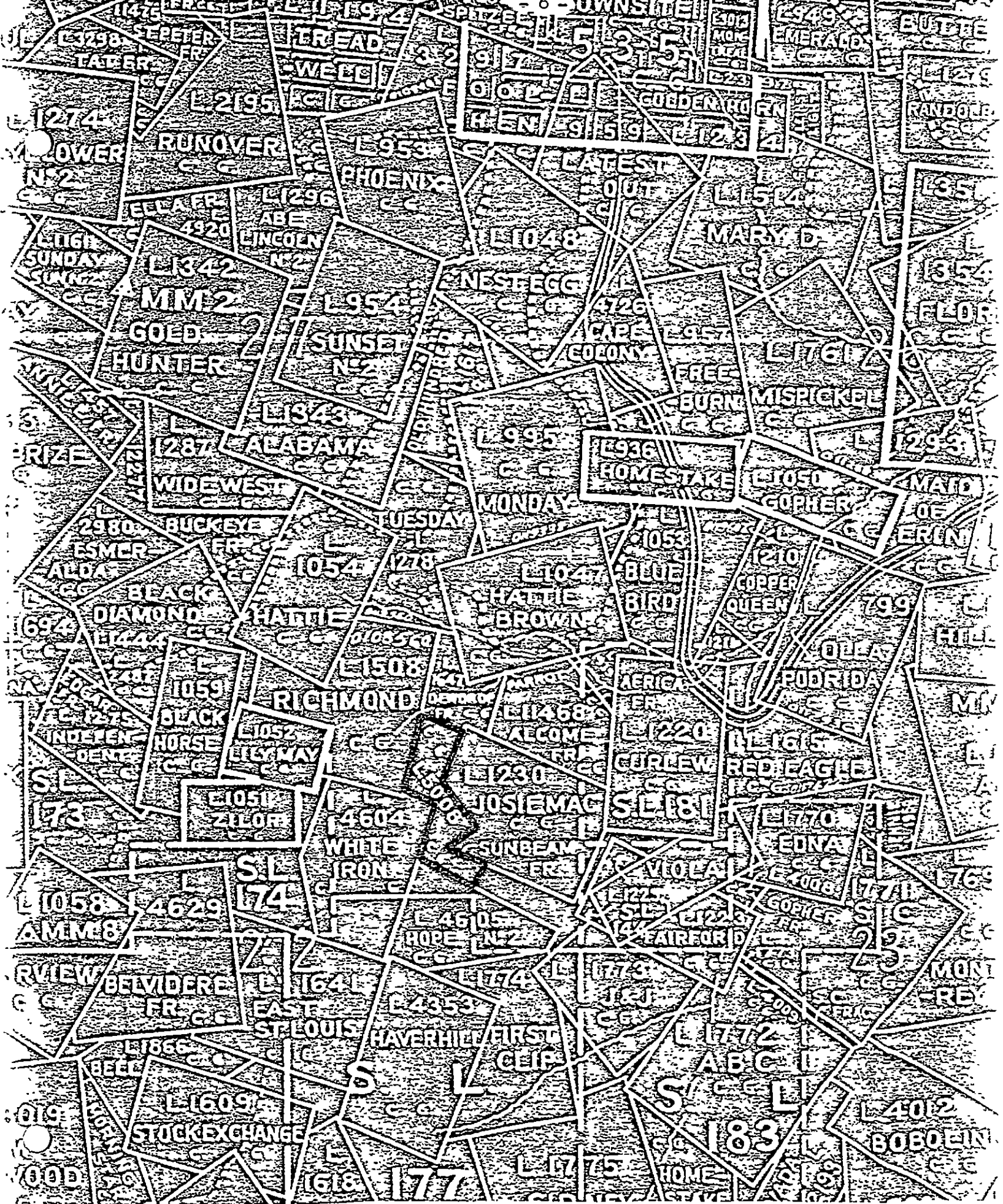
A map of the area, on the scale of 1 to 1000, had been drafted from the old survey plans. During a preliminary search of the area for the survey pins we were able to find only one pin, that being the point of the intersection of the west boundary of S L I78 with the east boundary of the Lily May crown grant Lot I052. With this information, along with the material of the original survey notes, we were able to position ourselves. A line was then run eastward to the Sunbeam Frn. Lot 5008 and a line thence run south through the centre of the claim, with lines run to positions where we thought that other survey pins should exist. A search around these positions failed to turn up any other pins.

LOCATION MAP, SUNBEAM FRN LOT 5008

Scale 1" = 50,000



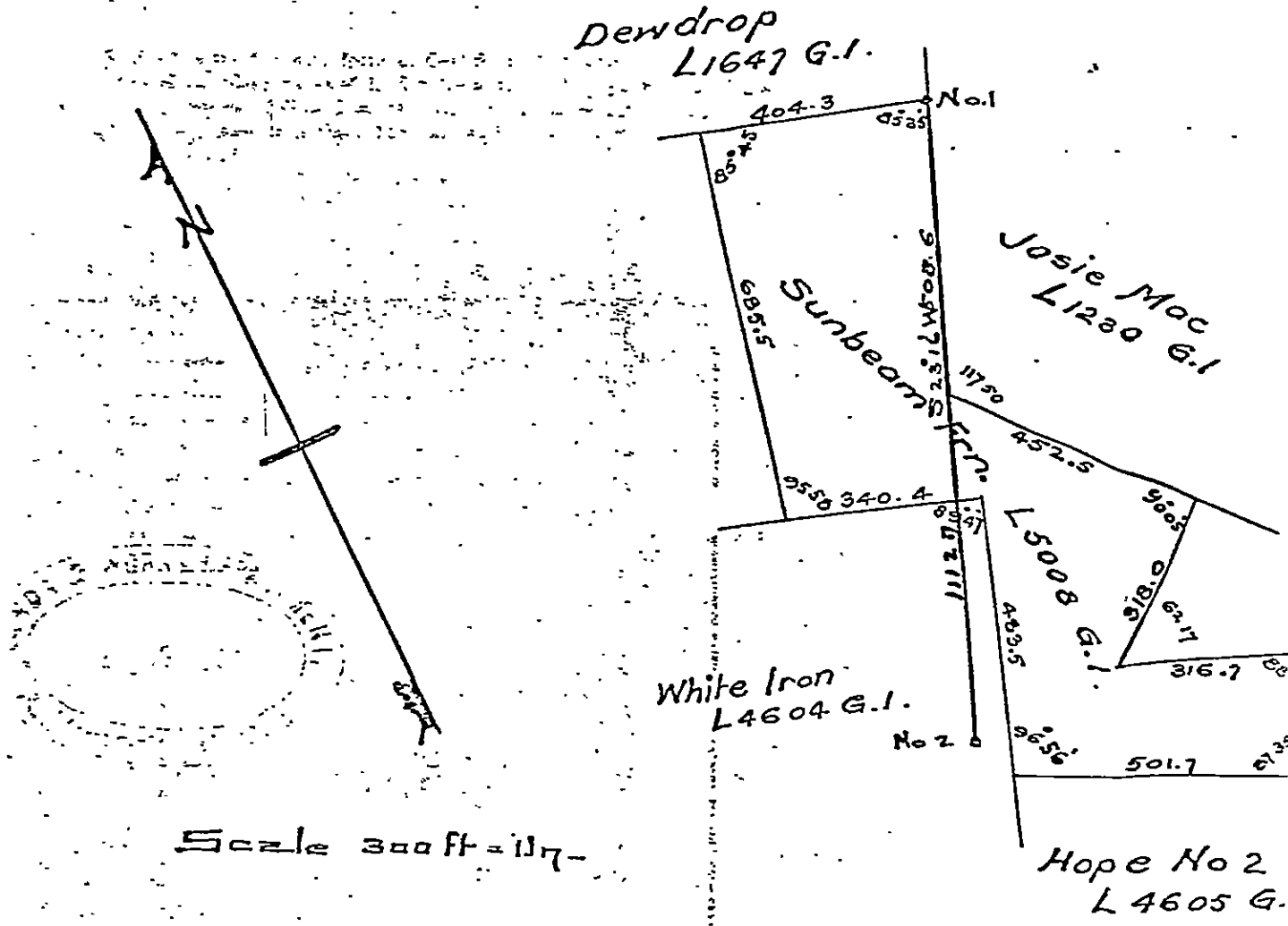




LOCATION MAP, SUNBEAM FRN. LOT 5008

Scale: Approx. 1" = 1000'

MAP FROM SURVEY NOTES ON SUNBEAM FRN. LOT 5008



BLACK DIAMOND LOT 1444, Record No. 523

The Black Diamond Lot 1444 was crown granted on Aug. 24th, 1898 by J. S. Colton Fox and C. Sweeney. It comprises of 30.25 acres. There are no records of any work having been done on this claim.

PROPERTY LOCATION AND ACCESSIBILITY

The Black Diamond claim lies two and one half kilometers south, south west of the city of Rossland and is accessible by road through Drakes farm.

FIELD WORK

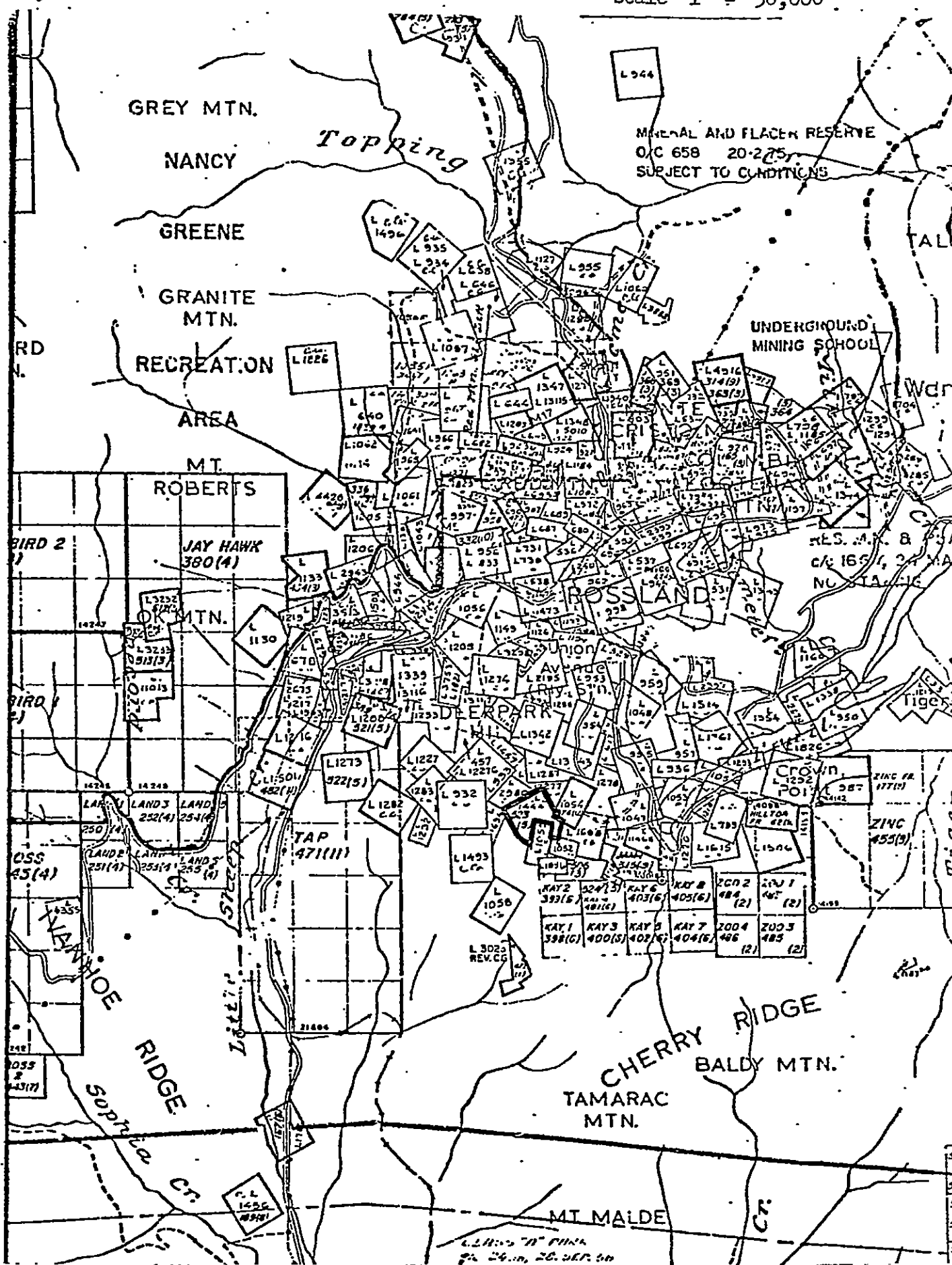
On the 23rd day of May 1982 the property was visited by D. K. Bragg and E. S. Warner to prospect and to try to deliniate the boundaries of the Black Diamond claim and to map in any showings.

RESULTS

A preliminary search for survey pins in an area of a radius of a hundred metres of the north west corner of the Lily May C.G. where the boundaries of the Hattie Lot 1054, Richmond Lot 1058, Lily May Lot 1052 and Black Horse Lot 1059 intersect the boundaries of the Black Diamond Lot 1444 failed to turn up any survey pins. A line was then run 500 metres westward from the eastern boundary of the Lily May C.G. where it is intersected by S.L. 178. From thence a line was run 40 Metres S 25° E to the south west corner of the Black Diamond claim, and 500 metres N 25° W to the north west corner of the claim. A search of these two positions failed to turn up the survey pins.

LOCATION MAP , BLACK DIAMOND LOT 1444

Scale 1 = 50,000



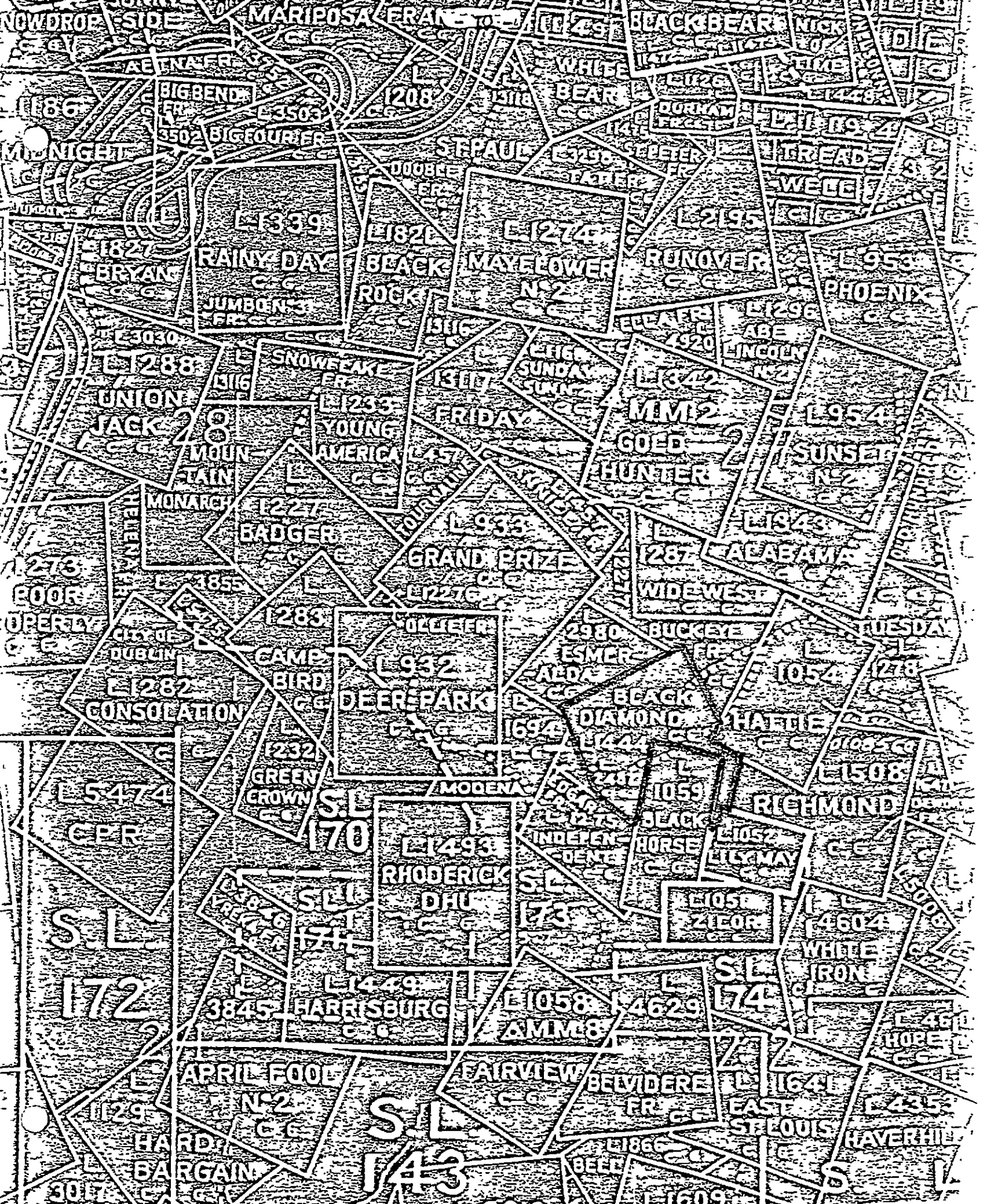
MINERAL AND FLACKER RESERVE  
O/C 658 20-275  
SUBJECT TO CONDITIONS

UNDERGROUND MINING SCHOOL

M.S. 8  
C/C 165/1, 2  
N.C. 147/16

KAY 2	324(3)	KAY 6	403(6)	2002	484	2001	462
398(6)	398(6)	401(6)	405(6)	(2)	(2)	(2)	(2)
KAY 1	KAY 3	KAY 5	KAY 7	2004	2003		
398(6)	400(5)	402(6)	404(6)	486	485		

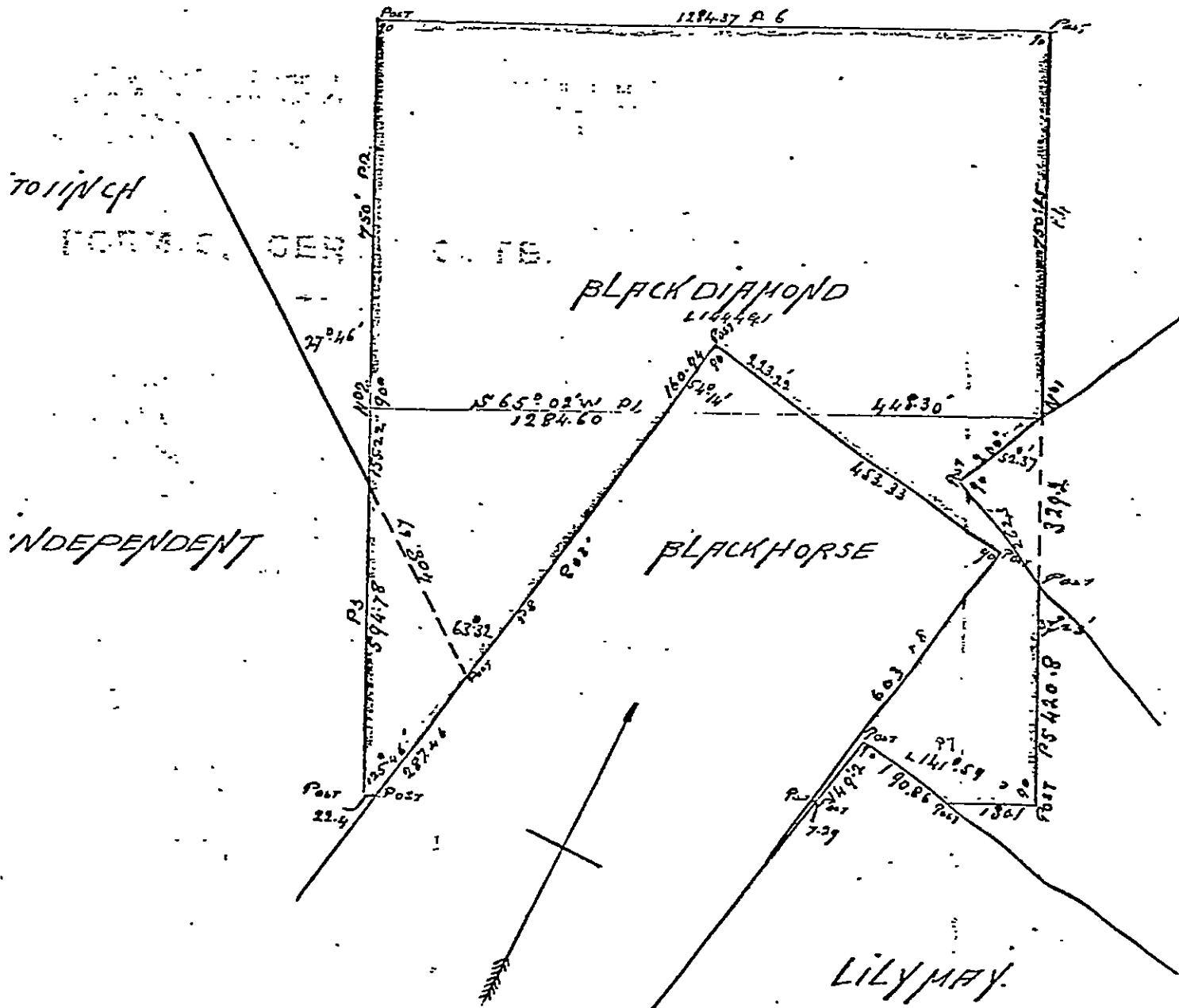
REV. CG  
24.00, 20.00, 20.00



LOCATION MAP, BLACK DIAMOND LOT 1111

Scale: Approx. 1" = 1000'

MAP FROM SURVEY NOTES ON BLACK DIAMOND LOT 1444



Scale 1" = 300'

UNION JACK LOT I288 Record No 521

The Union Jack claim was crown granted on April 6, 1897 by L. H. Merrill. It comprises of 47.30 acres. No other records or references of work having been done on the property could be found.

PROPERTY LOCATION AND ACCESSIBILITY

The Union Jack claim lies three kilometers west south west of the City of Rossland. The highway between Rossland and Paterson runs through the claim.

FIELD WORK

On the 24 day of May 1982 the property was visited by D. K. Bragg and E. S. Warner to prospect and to try to deliniate the boundaries of the Union Jack claim and to map any showings that were found.

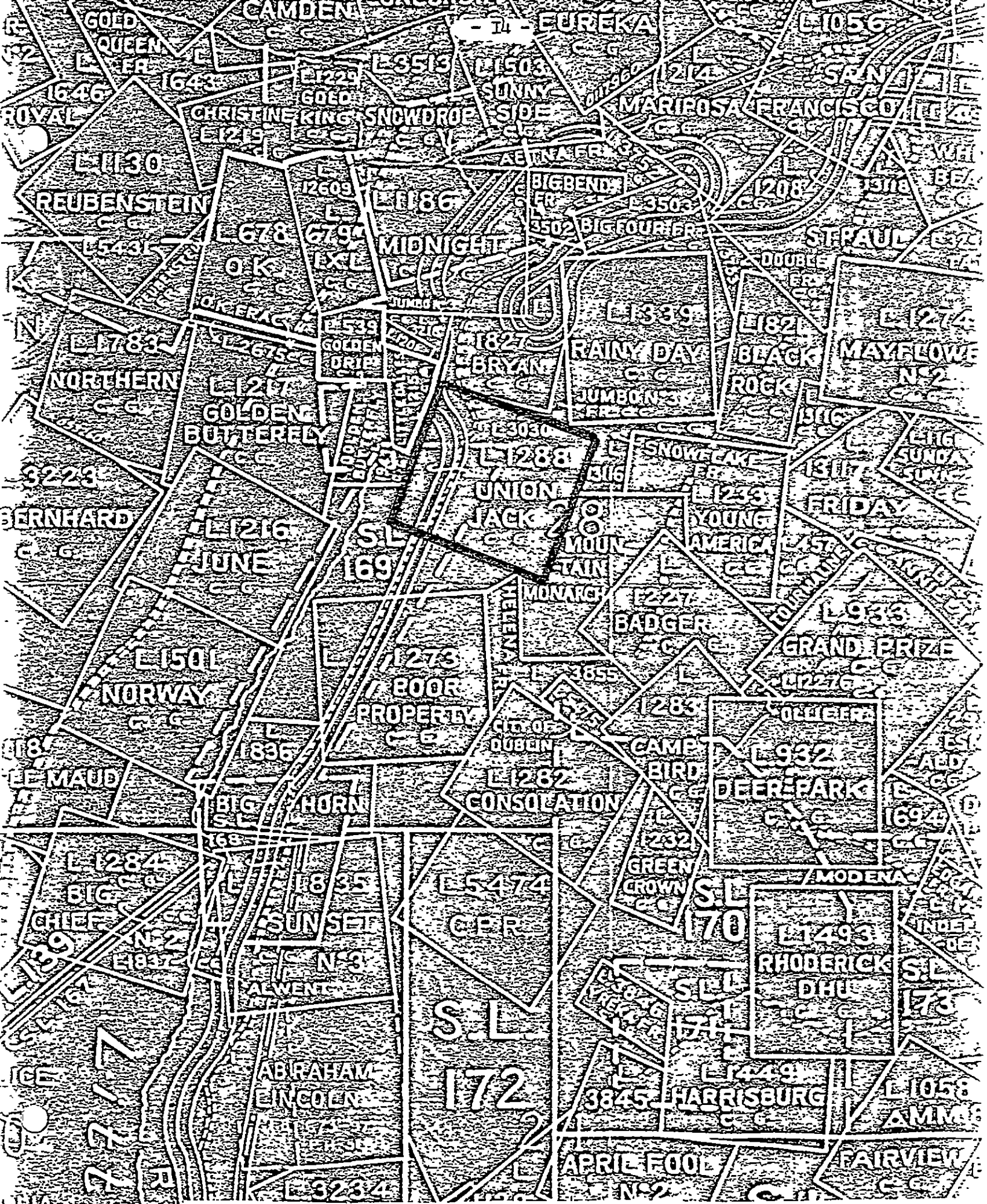
RESULTS

A map of the area of the Union Jack Lot I288 and the Poor Property Lot I273 had been prepared on a scale of 1 - 1000 from the old survey notes. A preliminary search for the survey pins failed to turn up any. It was then decided to map the old rail grade and roads in an attempt to position the claims from the information obtained from the old survey notes and maps. Once this was done and the claims positioned relative to the mapping of the rail grade and roads as best that we could we then run lines to where we expected the lot corners to be. Still a search of these areas failed to turn up any pins.









LOCATION MAP, UNION JACK LOT I288

Scale: Approx. 1" = 1000'

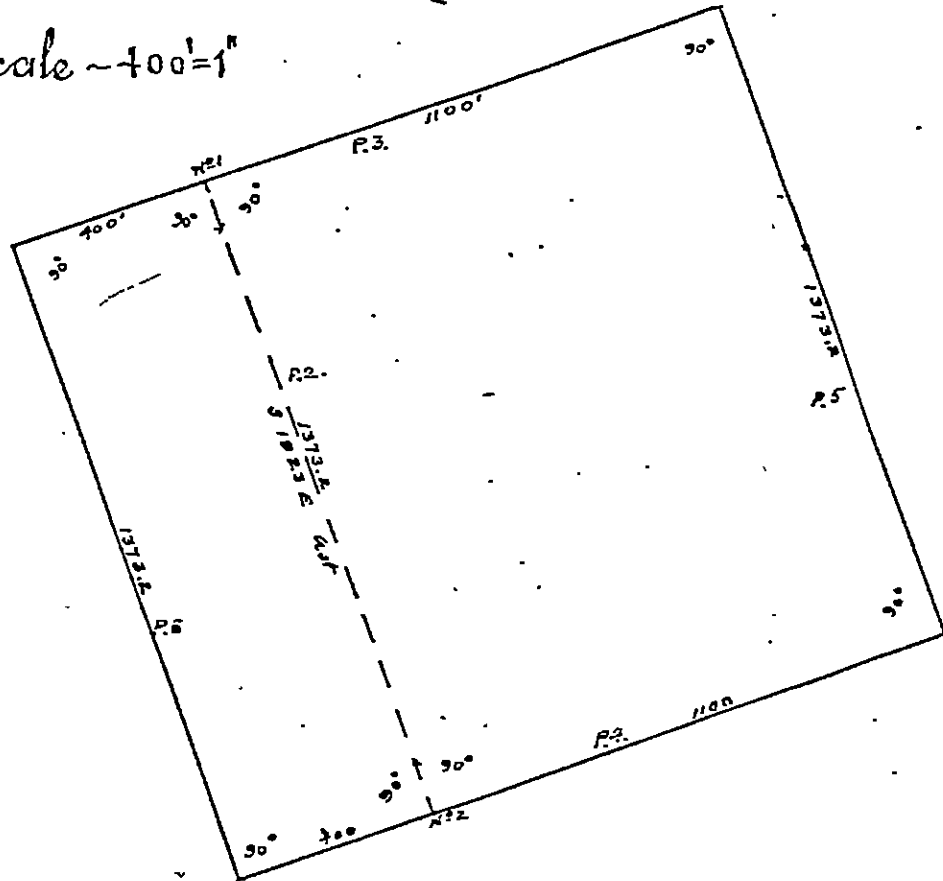
# PLAN OF THE UNION JACK

MINERAL CLAIM.

L. 1288 G.I.

WEST KOOTENAY.

Scale ~ 400' = 1"



MAP FROM SURVEY NOTES ON UNION JACK LOT 1288

POOR PROPERTY LOT I273 Record No. 522

The Poor Property Lot I273 was first crown granted on Sept 24, 1897 by J. Quilliam and H. S. Wadsworth. It appears that the claim was allowed to revert to the crown since it was subsequently crown granted again on Oct. 25, 1921 by S. G. Blaylock. The claim comprises of 50.45 acres. No other records or references of work having been done on the property could be found.

PROPERTY LOCATION AND ACCESSIBILITY

The Poor Property claim lies three and a half kilometers south west of the City of Rossland. The highway between Rossland and Paterson runs through the western half of the claim.

FIELD WORK

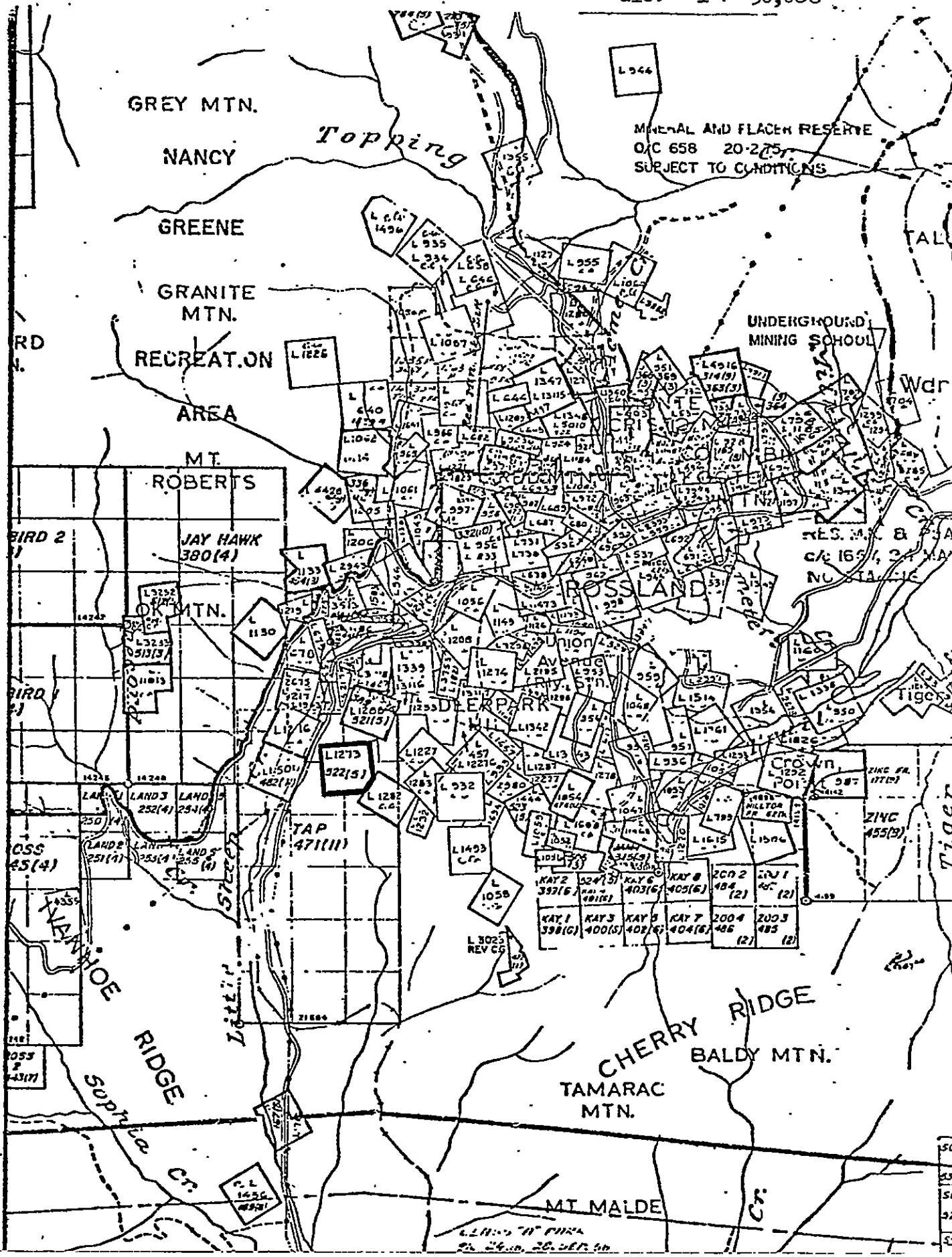
On the 25 th day of May 1982 the Poor Property claim was visited by D. K. Bragg and E. S. Warner to prospect and to try to delineate the boundaries of the claim and to map any showings that could be found.

RESULTS

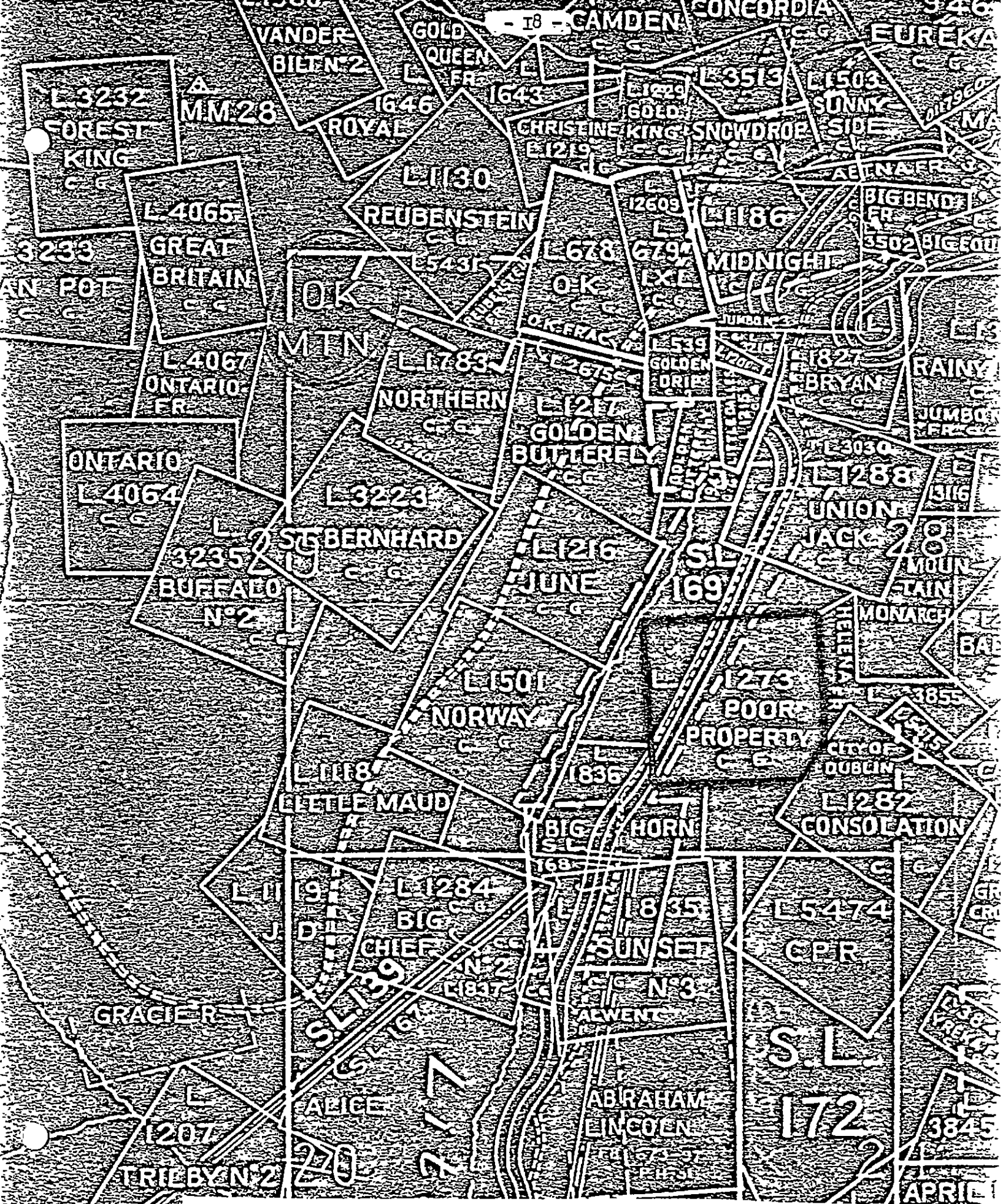
A map of the area of the Union Jack Lot I238 and the Poor Property Lot I273 had been prepared on a scale of 1 - 1000 from the old survey notes. A preliminary search for the survey pins failed to turn up any. It was then decided to map the old rail grade and roads in an attempt to position the claims from the information obtained from the old survey notes and maps. Once this was done and the claims positioned relative to the mapping of the rail grade and roads as best as we could we then run lines to where we expected the lot corners to be. Still a search of these areas failed to turn up any pins.

LOCATION MAP, POOR PROPERTY LOT 1273

Scale: 1 - 50,000



50  
55  
60  
65



LOCATION MAP, POOR PROPERTY LOT 1273

Scale: Approx. 1" = 1000'

# PLAN

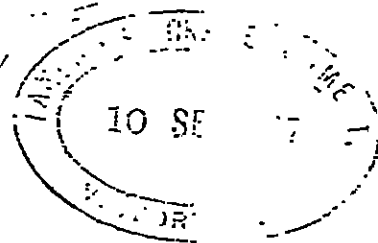
OF THE

## Poor Property

MINERAL CLAIM.

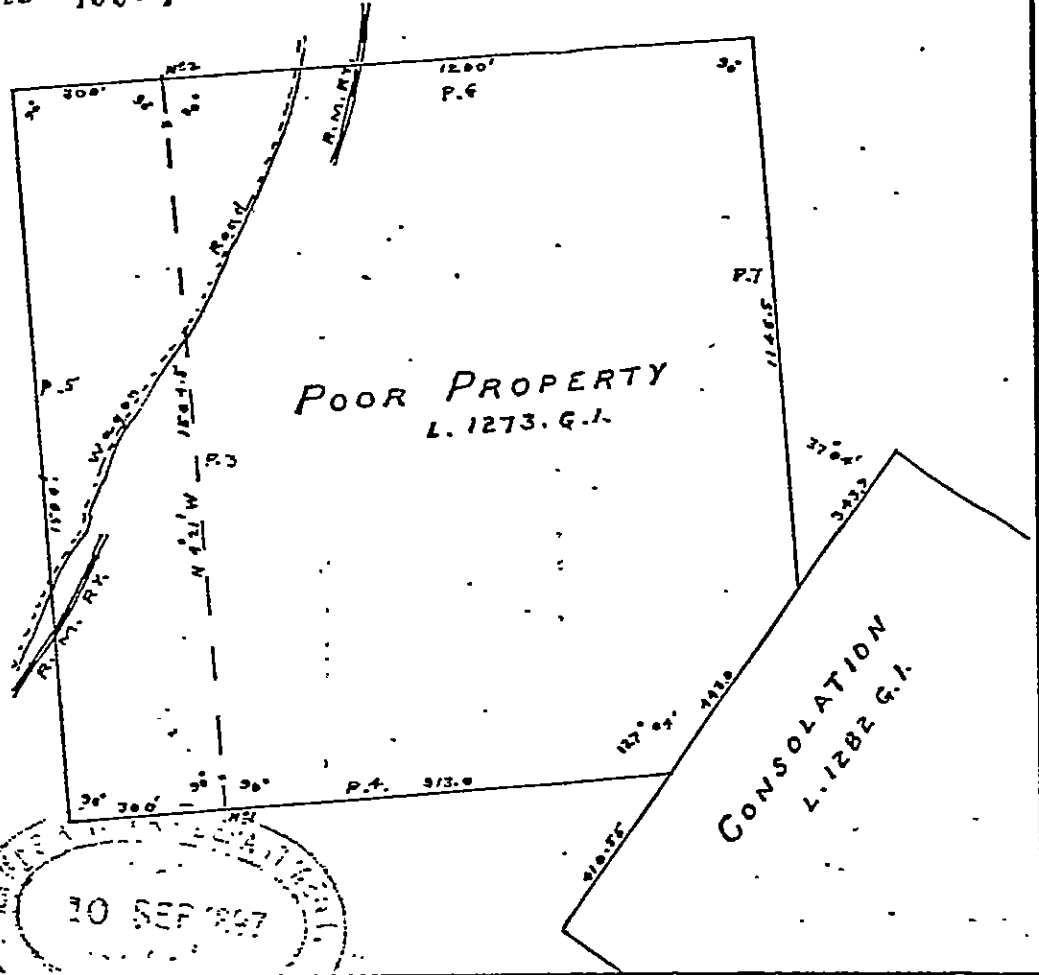
L. 1273. G. I.

WEST KOOTENAY.



TRUE NORTH.

Scale - 400' = 1"



MAP FROM SURVEY NOTES ON POOR PROPERTY LOT 1273



CONCLUSIONS

From the work that has been done to date in the Rossland Camp it would appear that few of the survey pins have survived. Much of the area has been culturally modified by logging, farming plus road, power line and gas line right of ways, where the pins have been disturbed and lost. Also in some cases metal pins appear not to have been used and many of the wooden monuments have rotted beyond recognition. However in some areas there have been some more recent re-surveying and more of the survey pins have survived. In order to re establish the boundaries and the position of the crown grants it may be necessary to re-survey the claims in.

STATEMENT OF COSTS

FOR EACH CLAIM

D.K. Bragg	One day at \$ 160.00 per day	\$ 160.00
E.S. Warner	One day at \$ 160.00 per day	\$ 160.00
Board	Two man days at \$ 30.00 per man day	\$ 60.00
Prorated transportation costs		\$ 40.00
Truck costs;	One day at \$ 40.00 per day including gas etc.	\$ 40.00
Report preparation		<u>\$ 100.00</u>
Total for each claim		\$ 560.00

Time spent on the four claims.

D.K. Bragg : four days May 22 to May 25, 1982

E.S. Warner: four days, May 22 to May 25, 1982

TOTAL COSTS THIS REPORT

Costs for Sunbeam Frn. Lot 5008	\$ 560.00
Costs for Black Diamond Lot 1144	\$ 560.00
Costs for Union Jack Lot 1288	\$ 560.00
Costs for Poor Property Lot 1273	<u>\$ 560.00</u>
Total costs this report	\$ 2240.00

*D.K. Bragg*



STATEMENT OF QUALIFICATIONS

D.K. Bragg supervised and did most of the work involved in this investigation, including the line cutting, prospecting, mapping the geology, soil sampling, magnetometer survey and report preparation. His qualifications are as follows:

Graduated Armstrong High School, Armstrong B.C. 1951.

Attended U.B.C. from 1958 to 1962 in the faculty of Arts and Science, in Honors Geology.

Has worked in the mineral exploration industry since 1956.

Worked for Kennco Explorations during the summers of 1956, 1957, and 1959 in the Yukon and northern B.C. as an assistant prospector and geochem sampler under the direction of Dr. R Campbell and R. Woodcock.

Worked as head prospector for the Nahanni 60 Syndicate in the Northwest Territories in 1960 under the direction of Doug Wilmont.

Worked as head prospector in the Yukon for Dualco in 1961 under the supervision of E.Wozniak.

Worked as head prospector for Mining Corp. of Canada in southwest B.C. in 1962 under J.S. Scott and Dr. K. Northcote.

Worked as head prospector during the summer of 1963 for the Francis River Syndicate, in the central Yukon, under the direction of Dr. A. Aho.

Worked as field geologist in the Greenwood area of B.C. for Scurry Rainbow Oil in 1965 under the direction of Bill Quinn.

Worked as a field supervisor for Alrae Explorations Ltd. from Sept 1965 to April 1967 under the direction of Rae Jury.

Since 1956 has also worked as a self employed contractor, working for various mining companies in the following fields: prospecting, property examination, staking, line cutting, topographical mapping, geological reconnaissance and mapping, mineral sampler, draughting, air photo interpretation, geochemistry, geophysics and supervising property exploration programs.

Since 1956 has been a self employed prospector working in various areas in B.C. on numerous properties.

Has worked in the Rossland camp since 1971 as a miner on the Snowdrop and Blue Bird claims. Has spent considerable time in the camp as a prospector and mining exploration contractor.

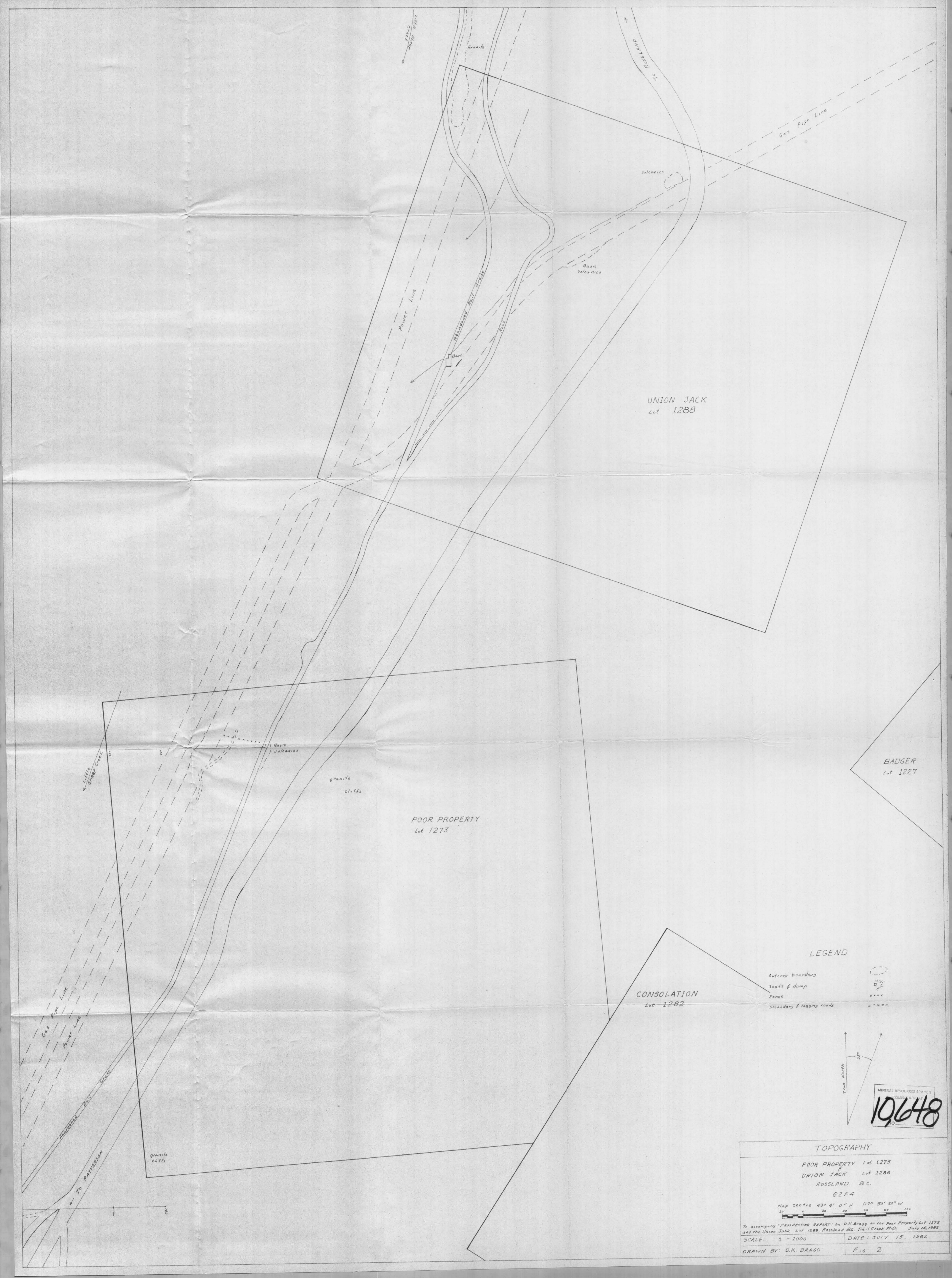
Has recieved the B.C. Provincial Grubstake for the years 1964, 1968, 1969, 1970, 1980 and 1981.

D.K. Bragg

REFERENCES

- Bruce, E.L., 1917  
1874 to 1980  
Little, H.W., 1960  
Thorpe, R.I., 1967  
White, W.H., 1949
- Geology and ore deposits of Rossland, Minister of  
Mines, B.C. Annual Report pp 214-244.  
Minister of Mines Annual Reports.  
Nelson map area, west half, B.C. (82F  $\frac{1}{2}$ ),  
GSC Memoir 308, 205pp.  
Controls of hypogene sulphide zoning, Rossland, B.C.,  
Ph. D. Thesis, U of Wis., 141 pp.  
Metal mining (lode) south belt Rossland B.C., Minister  
of Mines, B.C., Annual Report, pp 157-163.





UNION JACK  
Lot 1288

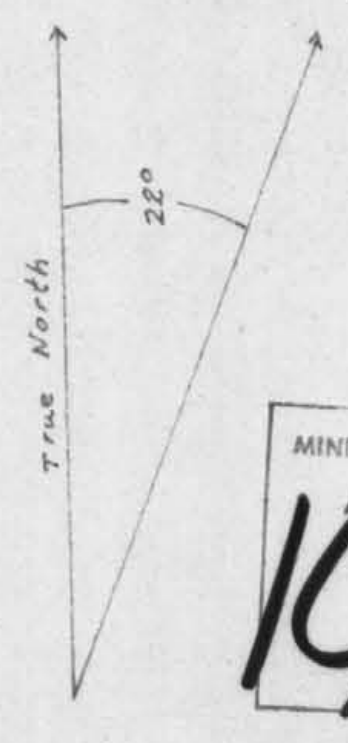
POOR PROPERTY  
Lot 1273

BADGER  
Lot 1227

CONSOLATION  
Lot 1282

LEGEND

- Outcrop boundary
- Shaft & dump
- Fence
- Secondary logging roads



MINERAL RESOURCES BRANCH  
BRITISH COLUMBIA  
**10648**

TOPOGRAPHY

POOR PROPERTY Lot 1273  
UNION JACK Lot 1288  
ROSSLAND B.C.

82 F4

Map Centre 49° 41' 0" N 117° 50' 20" W



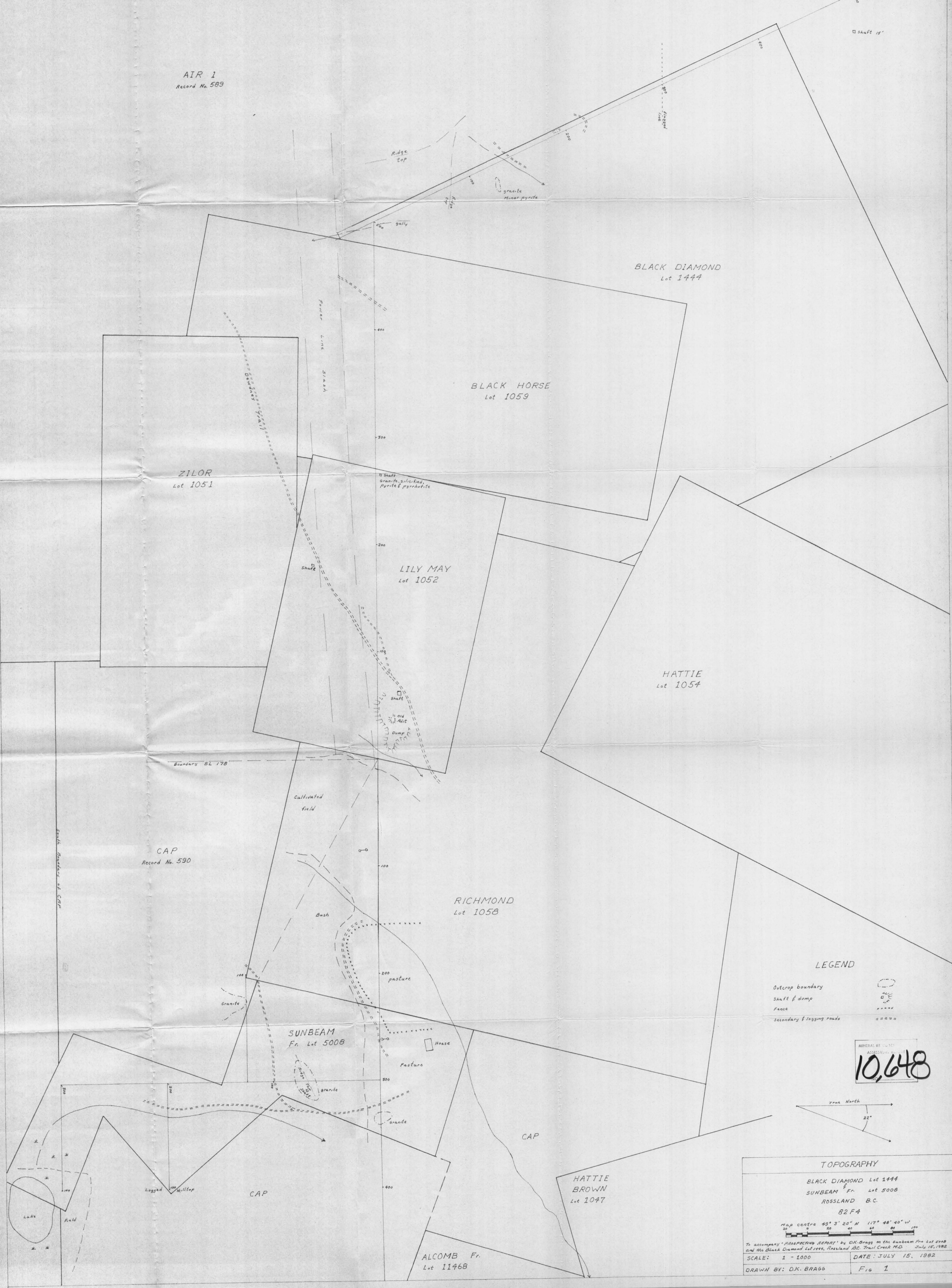
To accompany 'PROSPECTING REPORT' by D.K. Bragg on the Poor Property Lot 1273 and the Union Jack Lot 1288, Rossland B.C. Trail Creek M.D. July 15, 1982

SCALE: 1 - 1000      DATE: JULY 15, 1982  
DRAWN BY: D.K. BRAGG      FIG 2



AIR 1  
Record No. 589

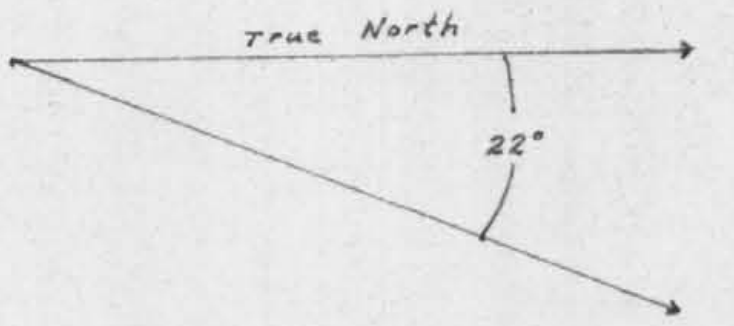
Shaft 15'



LEGEND

- Outcrop boundary
- Shaft & dump
- Fence
- Secondary & logging roads

MINERAL RIGHTS  
ASSESSMENT  
**10,648**



TOPOGRAPHY

BLACK DIAMOND Lot 1444  
SUNBEAM Fr. Lot 5008  
ROSSLAND B.C.  
82 F4

map centre 49° 3' 20" N 117° 48' 40" W

To accompany 'PROSPECTING REPORT' by D.K. Bragg on the Sunbeam Fr. Lot 5008 and the Black Diamond Lot 1444, Rossland B.C. Trail Creek M.D. July 15, 1982

SCALE: 1 - 1000 DATE: JULY 15, 1982

DRAWN BY: D.K. BRAGG FIG 1