Geophysical Report

on

S.J #1 Mineral Claim

Kamloops Mining Division

B.C.

N.T.S 82L/14E
Latitude 50 47'
Longitude 119 05'

Covering the S.J.#1 Claim (12 units)

located near Sicamous B.C.

Work performed March 10 -15, 1989

by

Owner and Operator

K.W. Lukawesky

Coquitlam, B.C.

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1.0 Summary

The S.J.#1 Claim is situated 8 kilometres southwest of Sicamous near Annis Bay (Shuswap Lake) in the Kamloops Mining Division of British Columbia.

Occurrences of lead, zinc and copper mineralization are identified on the mineral occurrence map. Various parties have prospected and staked the general area however no in-depth exploration was conducted until 1981, 1982 and again in 1987 when some detailed activities were completed on the L6-1(formerly Jeff & Big J3) located immediately to the east. In an effort to concentrate exploration activity on the S.J.#1, a reconnaissance magnetometer survey was completed and forms the basis for this report.

2.0 Introduction

The following report is the result of three days of geophysical field investigations completed to help identify the mineral potential in the area and to determine if further exploration work is warranted.

3.0 Property

The property consists of the ten unit S.J.#1 and the four unit J.L.#1 which have been grouped as the S.J.#1 and are recorded in the Kamloops Mining Division, B.C.

Claim Name	Record Number	Expiry
S.J.#1	7611(4)	April 1991
J.L.#1	7612(4)	April 1991

4.0 Ownership

The claim is owned and operated by Kenneth W. Lukawesky of Coquitlam B.C.

5.0 Location Access Physiography

The claim is located adjacent to Annis Bay on Shuswap Lake and is accessed by a logging road that intersects Highway 97 8 kilometres southwest of Sicamous B.C. Recent logging in the area has resulted in a network of gravel roads and clearcut zones which provide good acces to a majority of the prospect.

The area is in the Shuswap Range of the Interior Plateau and is relatively steep with elevations varying from 500 to

1000 metres.

6.0 Regional Geology

The property is located in an area which was regionally mapped by the Geological Survey of Canada (G.S.C. open File 637, Okulitch, 1979) thereby providing a generalized description. The claim area is underlain by siliceous mica - schists of the Silver Creek Formation. The Silver Creek Formation contains quartz biotite, sericite and garnet schists with biotite gneiss, pegmatite and calcareous schists and gneisses. The age of the formation has been mapped as pre-Cretaceous and pre-Ordovician.

The Silver Creek Formation is part of the metamorphic Shuswap Complex. The rocks in this complex have undergone several episodes of deformation, metamorphism and intrusion. The complex is bounded to the east by granitoid gneiss of mid Proterozoic age and bounded to the west by faults and transitions in metamorphic grade.

The Silver Creek Formation is exposed in the core of a northwest-trending antiform immediately southwest of Shuswap Lake. It consists of siliceous, micaceous and garnetiferous schist and contains the Chase Quartzite Member of quartzite and marble. The Chase Quartzite is found south of Little Shuswap Lake and in scattered outcrops to the south east. Contrary to the suggestion of Jones (1959) it does not demonstrably lie beneath the Silver Creek Formation. Most of the Jones' (1959) Mara Formation is here included in the Silver Creek Formation as much of it is lithologically indistinguishable from the latter.

The Silver Creek Formation was extensively intruded by sills and dykes of leucocratic granite during several episodes of plutonism. These intrusions are absent in overlying units. Largely below but in part possibly interfringing with the formation is a heterogeneous mass of granodioritic orthogneiss yielding late Ordovician dates from Pb-U in zircon. Whether the orthogneiss intrudes or forms a basement to the formation is uncertain. Any deformation and metamorphism in the Silver Creek Formation associated with the late Ordovician thermal event is not readily distinguished from later events.

7.0 Mineral Occurrences

As reported by the Geological Survey of Canada (G.S.C. Open File 637, Okulitch 1979) mineral deposits occur in the Silver Creek Formation southwest of Sicamous. Contraversy

continues about their origin due to the polyphase nature of their occurrence. The deposits southwest of Sicamous have not yet been studied in detail however, the deposit type has been identified as a lead, zinc, silver concordant, vein or sheer zone type, spatially associated with carbonate rocks.

8.0 Local Geology

No detailed mapping has been done on the claim. A few outcrops observed on the property contain thinly laminated micaceous schists with garnets. The observed structure is evident as primarily north_west trending foliation or schistosity.

9.0 Surficial Geology

The S.J. #1 property is covered with a thin veneer of glacial till or drift which is generally less than one metre in thickness. Bedrock is commonly obscured by the glacial drift layer except on the steep sloping areas of the property and along road cuts.

10.0 Geophysical Survey

10.1 Instrument and Survey Method

A Sintrex Proton Precession Magnetometer with digital readout was used in the acquisition of data. A total of 6.1 kilometres of survey was completed as indicated on the attached plan (figure #). The magnetometer measures the total field magnetics in gammas. A base station was established and corrections were made for minor diurnal drift. Readings were taken at 25 metre stations with the operator facing along line. The sensor head was angled slightly to give a north south orientation.

10.2 Presentation of Results

All survey values are plotted on a base plan with a scale of 1:3000 . Results are contoured at 50 gamma intervals with readings being factored to +57000 gammas.

10.3 Discussion of Results

Values range from 57088 to 58468 gammas with an average background gradient at the 57600 - 57700 gamma level. The 57900 gamma contour is interpreted as defining anomalous areas with north-south trending targets identified on L 0, 100S, and 200S at station 225E and on L 400S, 500S and 600S at station 100E. On L 100S the magnetic anomaly +58000

gammas has a corresponding low value (57088 gammas) located to the west indicating a conductor dipping to the east.

11.0 Conclusions and Recommendations

There appears to be atleast two zones that contain materials which have a fairly high magnetic susceptibility. Targets show reasonable lateral extension even though their limits have not been completely defined within the scope of the present survey grid.

It is recommended that the existing survey grid be extended to cover the remainder of the claim group. A VLF-EM survey is suggested to get additional information on structure and conductivity.

It is also recommended that a geological mapping program in conjunction with a soil sampling program be implimented in anomalous areas.

12.0 References

Geological Survey of Canada O/F 637 82-L/M	Geology and Mineral Occurrences of the Thompson Shuswap Okanagan Regions, South Central B.C. Mineral Occurence #173
Gruenwald W. BSc	Geophysical and Geological Report on the LG-1 Mineral Claim for D.A. Leishman W. Gruenwald. Jan. 1987
Gruenwald W. BSc	Geological, Geophysical and Geochemical Report on Jeff and Big J3 Claims Caltex Hydrocarbons Inc. Nov. 1982
Gruenwald W. BSc	Report on Jeff and Big J3 Claims, Sicamous area, for Caltex Hydrocarbons Inc. Sept. 1981
M.E.M.P.R.	Mineral Inventory NTS 82L NW Occurence #21,23,24,25 Annis Property.

Appendix 1

List of Personnel

Field Operations - 3 days

K.W. Lukawesky A.Sc.T	- Project Manager
P.D. Lepine	- Senior Technician

Appendix 2

Statement of Costs

Labour (Field)

K.W. Lukawesky A.Sc.T.	3 days @ $200/day	$600.00
P.D. Lepine Senior Tech.	3 days @ $180/day	$540.00
Total		$1140.00

Expenses and Disbursements

Truck Rental and Mileage (4x4)		
	3 days @ $40.00/day	$120.00
	960 km @ $.25/km	$240.00
Equipment Rental:Scintrex Magnetometer MP 2		
	1 week minimum @ $200/wk	$200.00
Room and Board	$60.00/day x 3 days (KWL)	$180.00
	$60.00/day x 3 days (PDL)	$180.00
Supplies (Flagging,Hip Chain Thread,etc)		$ 92.00
Total		$1012.00

Drafting and Report

Drafting	8 Hours @ $25/Hr	$200.00
Report and Interpretation	3 days @ $200/day	$600.00
Total		$800.00

Total Costs

Labour (Field)	$1140.00
Expenses and Disbursements	$1012.00
Drafting and Report	$ 800.00
	$2952.00

Appendix 3

Certificate

I, Michael F. Oliver of 4663 Garden Grove Drive Burnaby, B.C.

Do Hereby Certify That:

1) I am a Geotechnical Engineer employed by the B.C. Provincial Government and a registered member of the Association of Professional Engineers of British Columbia (Geotechnical Registered 1980)

2) I am a graduate of the University of British Columbia with a B.Sc. degree in Geology (1973).

3) I have practised the exploration geology profession full time for 5 years and on a seasonal basis for 10 years.

4) I am the co-author of this report which is based on data supplied to me by Mr. K.W. Lukawesky, available government and private reports.

5) I have no interest, direct or indirect in the property discussed in this report, nor do I expect to recieve any.

6) I consent to the use by Mr. K.W. Lukawesky of this report for the purposes of filing an Assessment Report with the Ministry of Energy, Mines and Petroleum Resources. Dated at Vancouver Btitish Columbia this 14 th day of July 1989.

Michael F. Oliver, B.Sc. Geology(1973) P.Eng.

Certificate

I K.W. Lukawesky of 634 Thompson Avenue,Coquitlam B.C.

Do Hereby Certify That:

1) I am an Applied Sciences Technologist employed by the Provincial Government and a registered member of the ASTT of British Columbia.

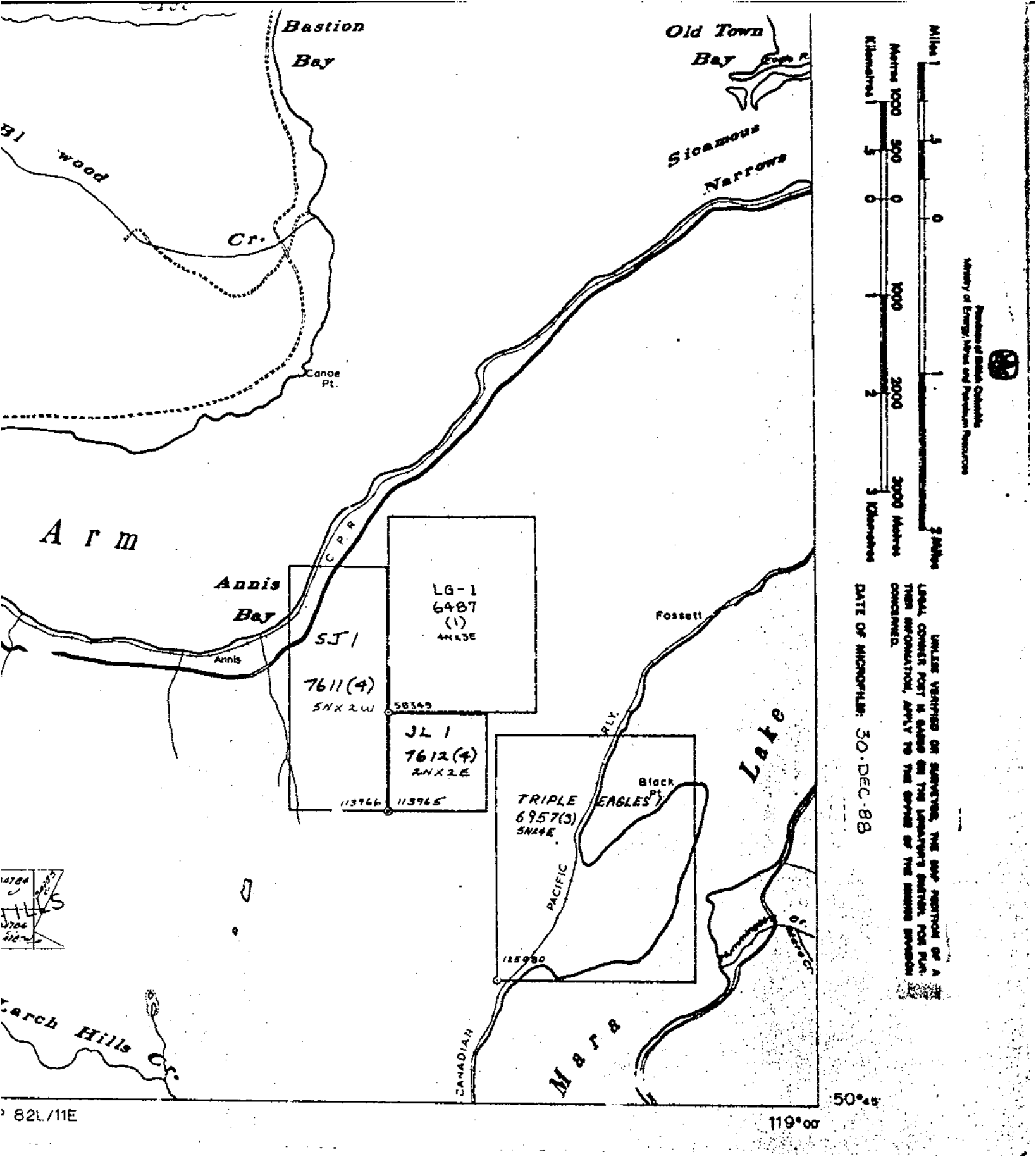
2) I am a graduate of the British Columbia Institute of Technology and hold a diploma in Mining Technology awarded by BCIT in 1972.

3) I have practised geophysics continuously for the past 15 years.

4) I am the co-author of this report which is based upon an examination of all available published and unpublished data. The work herein was carried out by myself and P.D. Lepine.

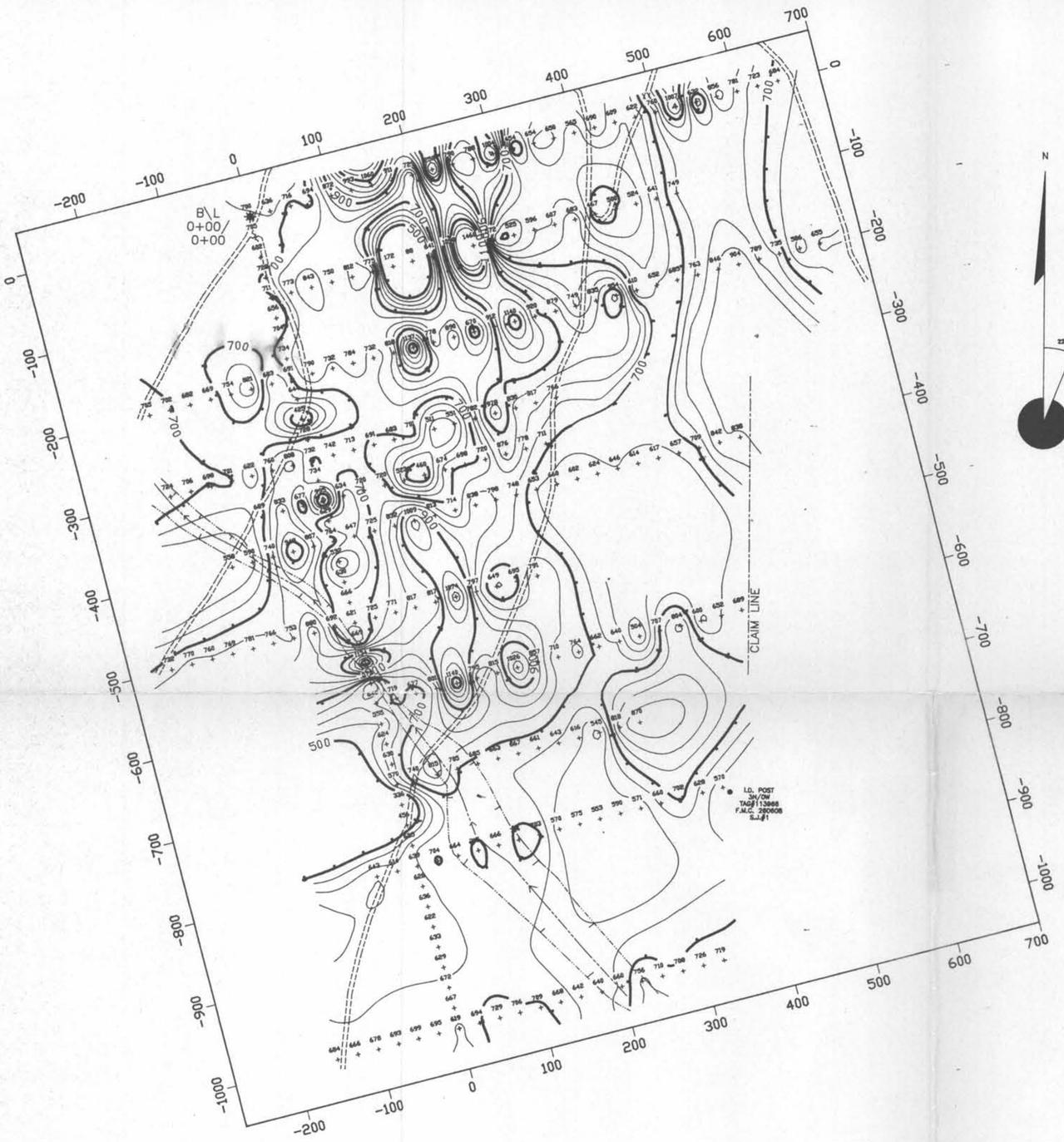
4) I am the owner of the S.J. #1 Mineral Claim.

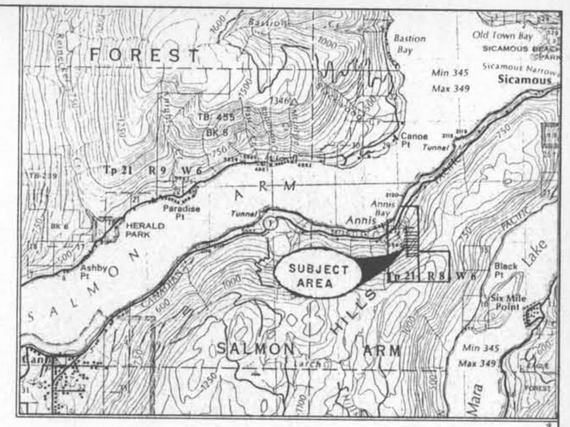
K.W. Lukawesky A.Sc.T



PHYSIOGRAPHIC MAP
N.T.S 82 L / 14E
S.J. #1 CLAIM
KAMLOOPS MINING DIVISION

FIGURE 1





LOCATION PLAN N.T.S. 82\L NW 1:100,00

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,903

ALL READINGS ARE +57,000 GAMMA'S

PROTON PRECESSION MAGNETOMETER SURVEY
SCIENTREX MP-2

S.J.#1 CLAIMS
SALMON ARM

DRAWN BY: P.D.L. SCALE: 1: 3,000