

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,637

PROSPECTING REPORT
MIKE/LESLIE CLAIMS
NTS 82 F/6

NELSON MINING DIVISION

LAT: 49° 20' LONG: 117° 22'

OWNER: W. A. HALL

56 Ranchridge Cres., N.W.,
Calgary, Alberta,
T3G 1V1

FILMED

OPERATOR: Geostrategic Consultants Ltd.,

REPORT BY: David S. Evans, Ph.D.,
P. Geol.

December 20th, 1985

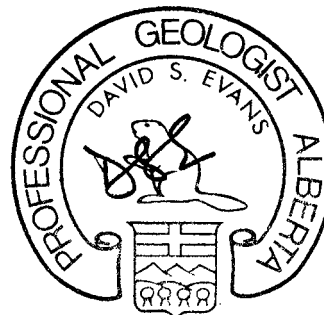


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1. SUMMARY

Five rock samples have been collected from the Mike/Leslie property during a short prospecting program.

Weak gold and silver responses have been identified in quartz-bearing and silicified float at or near the contact between Rossland Group volcanic rocks and Nelson Granite intrusive rocks.

Followup prospecting and reconnaissance geophysical surveys are recommended to explore the geological contact area for precious metals-bearing veins similar in occurrence to the nearby former producing Porto Rico and Second Relief properties.

2. INTRODUCTION

2.1 Location and Access

The Mike/Leslie claims (Table 1) are located in the Nelson Mining Division in southeastern British Columbia, approximately 15 km south-southwest of the City of Nelson (Figure 1).

The property is accessible just west of the community of Salmo from Provincial Highway #3 by logging roads along Erie and Slide Creek (Figure 2).

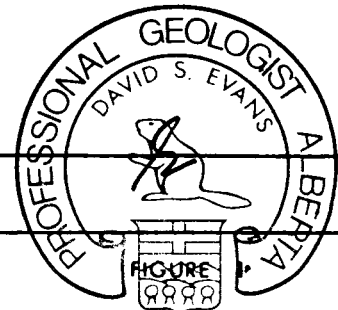
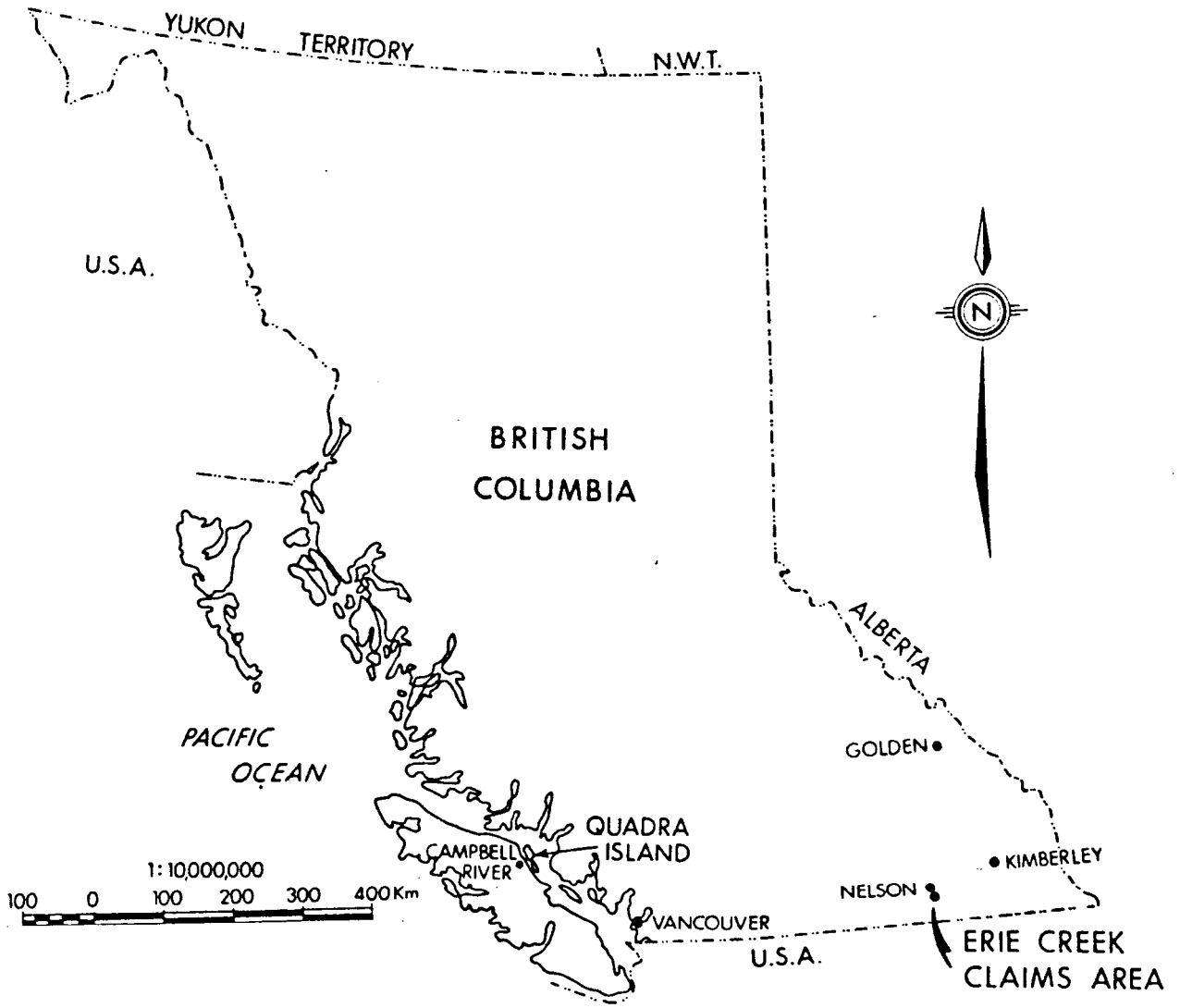
TABLE 1
MINERAL CLAIMS

Claim	Record No.	Month of Record	Owner
Mike	2832	Nov. yr.?	W. A. Hall
Leslie	2833	Nov.	W. A. Hall

2.2 Physiography and Climate






The claim group is located on a north facing slope which has been burned over and now covered with thick patches of cedar, spruce and alder. The topography is rugged and deeply incised by Slide Creek. Outcrop exposure is, for the most part, limited.

The climate of the West Kootenay region is characterized by warm summers, a cool and damp fall and spring and relatively mild winters, normally with heavy snowfall.



PROPERTY INDEX MAP

LEGEND

-  Adit
-  NELSON INTRUSIONS: granodiorite, granite, diorite, Jdi, diorite porphyry
-  HALL FORMATION: argillite, sandstone, shale, siltstone conglomerate, some argillaceous quartzite
-  ELISE FORMATION: andesite and basalt flows and flow breccia, agglomerate, augite porphyry, minor tuff
-  ARCHIBALD FORMATION: argillaceous and micaceous quartzite, siltstone, argillite, minor tuff

Geology revision by H.W. Little, modified after Mulligan, GSC MAP 1571A 1982 (1952)

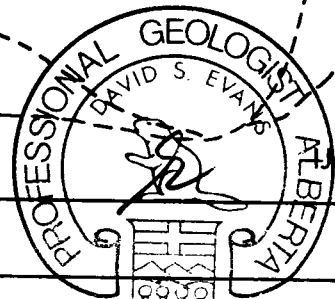
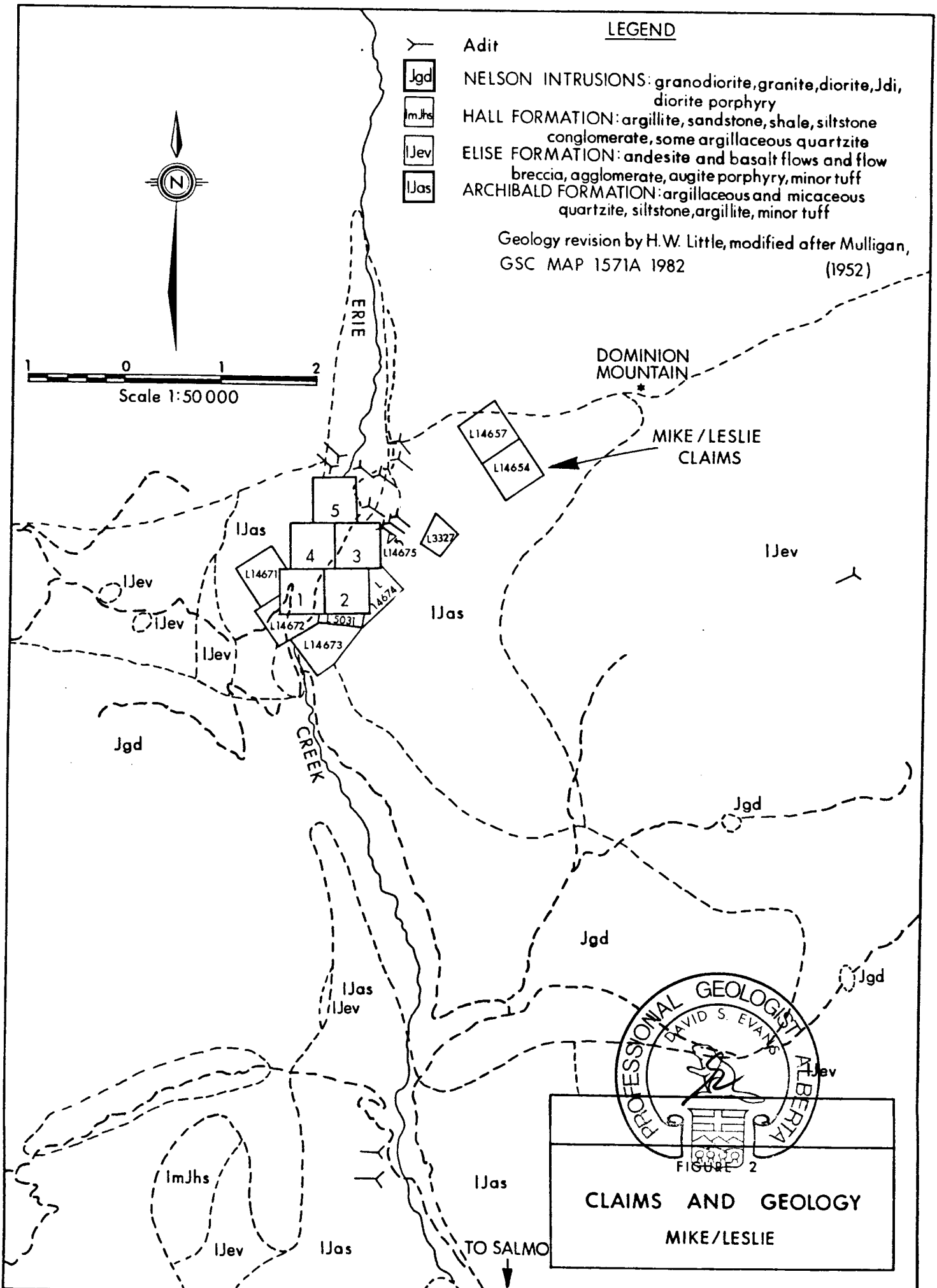
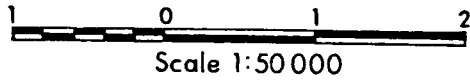


FIGURE 2
CLAIMS AND GEOLOGY
MIKE / LESLIE

3. GEOLOGY

3.1 Regional Geology

The Mike/Leslie claim area has been geologically mapped and described by Mulligan (1952) and Little (1960 & 1982).

The Nelson-Salmo area is underlain by a north-south trending Mesozoic volcanosedimentary package wedged between Nelson Plutonic rocks to the east and west.

Small and large outliers of the Nelson Granite infer a variable thickness for cover of pre-Nelson rocks in the claim area.

3.2 Local Geology

Only two geological formations are believed to underly the Mike/Leslie mineral claims area.

ROSSLAND GROUP (Archibald Formation)

Rossland Group rocks (Jurassic) appear to cover most of the area of interest. According to Little (1982), the Archibald Formation occurs in the Mike/Leslie area. This formation is characterized by a variety of units including argillaceous and micaceous quartzites, siltstones, argillites and minor tuffs.

NELSON GRANITE

The Nelson Granite (Cretaceous) intrudes Rossland Group rocks. According to Little (1982) the contact between the Rossland Group and the Nelson Granite occurs near the northern boundary of the Mike/Leslie property (Figure 3).

3.3 Mineralization

No sulphide mineralization has been documented on the Mike/Leslie property. According to Cockfield (1936), gold-bearing sulphide mineralization of skarn-type origin occurs at the former producing Second Relief Mine (directly to the east). A similar geological setting and environment may occur on the Mike/Leslie property.

4. PREVIOUS WORK

A reconnaissance soil survey was carried out on the Mike/Leslie property in 1983 to assess the usefulness of this technique in exploration for precious metals (Evans, 1983).

Weak gold responses were identified and followup prospecting and sampling were recommended to evaluate the contact between the Rossland Group and the Nelson Granite.

5. PROSPECTING AND SAMPLING

A prospecting traverse (Figure 3) across a section of the Mike/Leslie property confirmed that the claim group is covered by thick deposits of glacial and lacustrine sediments. Outcrop is limited to roadcut exposures, primarily of Nelson Granite.

Weak gold and silver enrichments (Figure 3) occur in quartz-bearing and silicified float rock samples collected near and around the Nelson Granite outcrop areas.

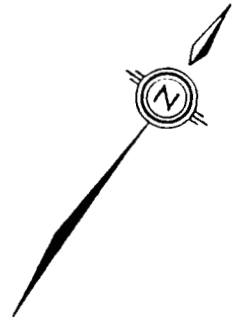
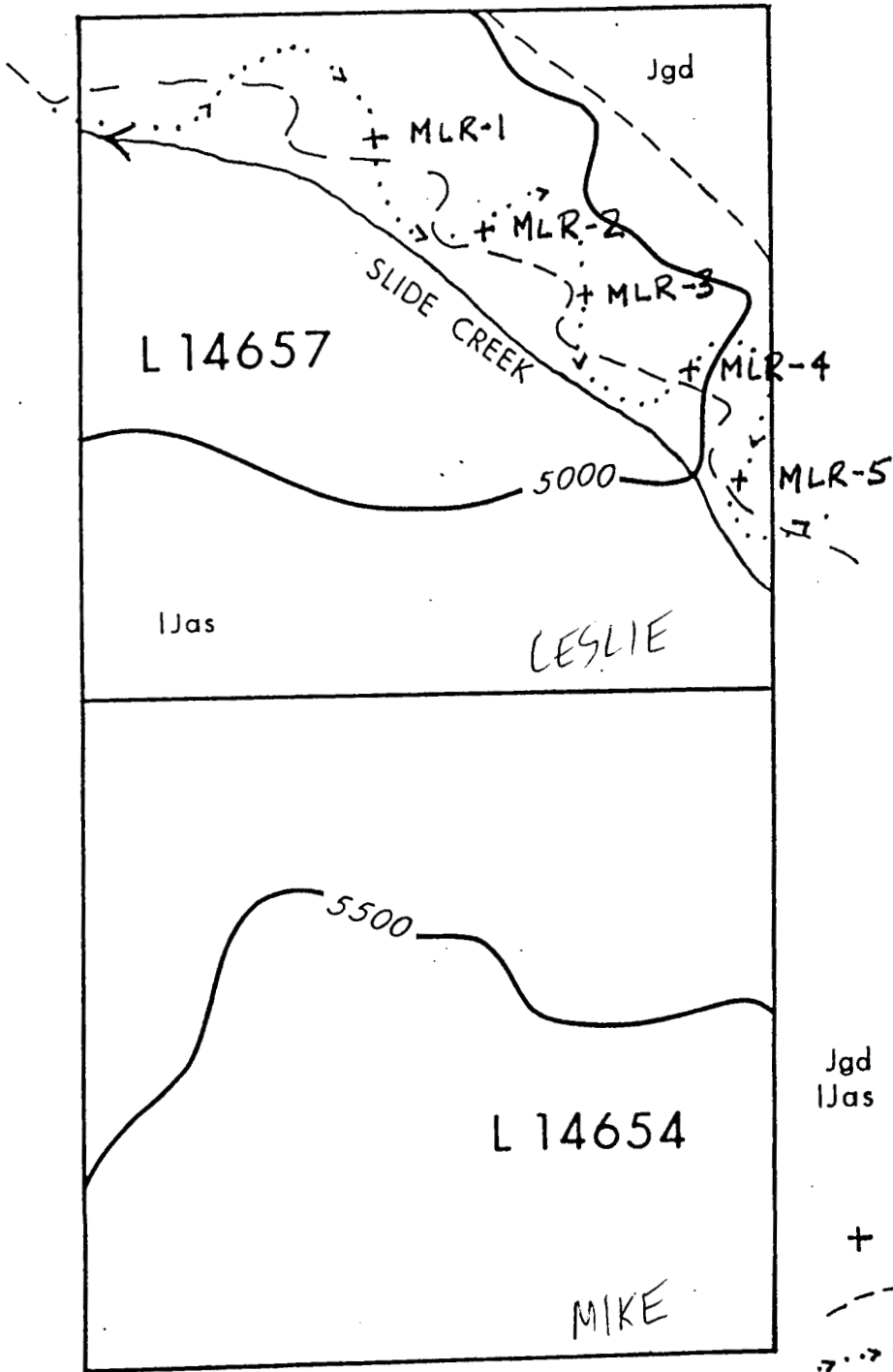
6. CONCLUSIONS

1. Weak gold and silver enrichments have been identified, primarily in quartz-bearing and silicified float material on the Mike/Leslie property near the contact between the Archibald Formation and the Nelson Granite.

2. Prospecting has confirmed that the Mike/Leslie property is almost completely covered by thick glacio-lacustrine deposits.

7. RECOMMENDATIONS

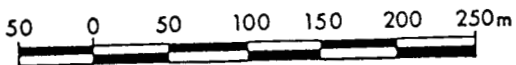
1. An exploration program to include "deep" soil geochemistry, reconnaissance geophysical surveys and detailed prospecting is recommended to continue evaluation of the Mike/Leslie claim group.



LEGEND

- Nelson Intrusions:
 Jgd granodiorite
 IJas Archibald Formations:
 argillaceous and micaceous quartzite, silstone, argillite
 + Rock Sample
 - - - New Forestry Road (approx)
 ···· Prospecting Traverse

(After Little 1982 GSC Map 1571A)



SCALE: 1:5000



FIGURE 3
 GEOLOGY AND

ROCK SAMPLE LOCATIONS

8. SELECTED REFERENCES

1. LITTLE, H. W., 1960.
Nelson Map Area (West Half) British Columbia (82F W1/2).
Geological Survey of Canada Memoir 308.
2. LITTLE, H. W., 1982.
Geological Survey of Canada Map 1571
3. MULLIGAN, H. W., 1952.
Bonnington Map-Area, British Columbia, GSC Paper 52-13.
4. COCKFIELD, W. E., 1936.
Lode Gold Deposits of the Ymir-Nelson Area, British Columbia, GSC
Memoir 191.
5. EVANS, D. S., 1983.
Geochemical Reconnaissance Report, Mike/Leslie Claims, Nelson
Mining Division, 10p.,

CERTIFICATE

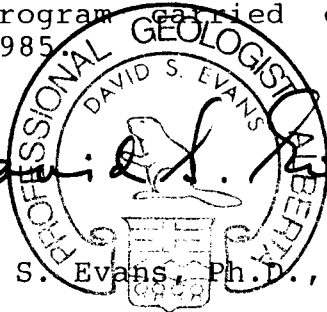
I, David S. Evans, currently residing at 5232 Viceroy Dr. N.W., Calgary, AB, T3A 0V7, hereby certify that:

1. I am a mining geologist and have practised my profession since 1966.
2. I am a graduate of the University of British Columbia with a B.Sc. (1966) in Chemistry and Geology, and a graduate of the Royal School of Mines, University of London with a Ph.D. (1971) in Applied Geochemistry.
3. I am a registered Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, a Member of the Association of Exploration Geochemists, and a Fellow of the Geological Association of Canada (1973).
4. I supervised the prospecting program carried out on the Mike/Leslie property on October 5th, 1985.

Dec. 20, 1985

December 20, 1985

David S. Evans



PROFESSIONAL GEOLOGIST
DAVID S. EVANS
ALBERTA
1985

David S. Evans, Ph.D., P. Geol.

APPENDIX 1

ANALYTICAL INFORMATION

Laboratory: Terramin Research Labs Ltd.,
Calgary, AB.

Mesh Size: Rocks, -200 mesh

Extraction: For Au/Ag: Fire assay fusion, cupellation and acid
dissolution of the precious metals-bearing bead.

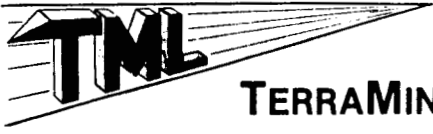
For As: Nitric acid dissolution.

For Cu/Zn: Nitric/perchloric dissolution, taken up in
dilute HCl.

Analyses: Atomic Absorption

APPENDIX 2

GEOCHEMICAL DATA



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 85-262

Geostrategic Consultants

Date Nov.5, 1985

Client Project

Page

Sample No.		Au ppb	Ag ppb	As ppm	Cu ppm	Zn ppm
<u>Rock</u>	MLR - 1	28	2800	2	44	680
	2	54	1900	3	2	29
	3	2	170	2	7	117
	4	4	170	-1	55	78
	5	-2	10	2	3	62

ROCK SAMPLE DESCRIPTIONS

1. MLR 1-Contact Rock, Silicified Granite with Quartz veining, gneiss texture, float near outcrop area
2. MLR 2-Contact Rock, Silicified Granite with Quartz veining, gneiss texture, float near outcrop area
3. MLR 3-Contact Rock, Fine-grained metamorphosed volcano/sedimentary rock from road cut
4. MLR 4-Contact Rock, Fine-grained metamorphosed (silicified?) volcano/sedimentary rock from road cut
5. MLR 5-Contact Rock, Fine-grained volcano/sedimentary rock from road cut

APPENDIX 3

STATEMENT OF
EXPLORATION EXPENDITURES

STATEMENT OF 1985 EXPENDITURES
MIKE/LESLIE CLAIMS

Personnel:

G. W. Sinden, 1 day @ \$155/day
Senior Technologist
Suite 2607,
123, 10th Ave., S.W.,
Calgary, AB

D. S. Evans, 1 day @ \$350/day
Senior Geologist,
5232 Viceroy Dr., N.W.,
Calgary, AB,
T3A 0V7

W. A. Hall, 1 day @ \$100/day
Senior Assistant,
56 Ranchridge Cres., N.W.,
Calgary, AB,
T3G 1V1

Subsistence:

Three (3) days @ \$25/day = \$75

Other Expenditures:

Supplies and Equipment	\$5.00
Truck Rental	\$45.00
Mileage and Expenses	\$65.00
Lodging	\$40.00
Communication, Misc.	\$25.00
Analyses	\$80.00

Total Other Expenditures: \$260.00

SUMMARY:

Total Wages:	\$605.00
Total Subsistence:	75.00
Total Other Expenditures:	260.00
Total Project Costs:	\$940.00
Report Preparation:	62.00
TOTAL 1985 COSTS	\$1002.00