



exploration ltd.

**GEOLOGY · GEOPHYSICS
MINING · ENGINEERING**

4570 HOSKINS ROAD, NORTH VANCOUVER, B. C.
TELEPHONE (604) 985-7921 V7K 2R1

82-#707B-#10841

9

PRELIMINARY GEOCHEMICAL REPORT

on the

WALL CLAIMS

Nelson Mining Division - British Columbia

Lat. $49^{\circ} 11' N$

Long. $116^{\circ} 58' W$

N.T.S. 82 F/2W

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

10,841
NO. _____

for

Mr. Stan Endersby

Mr. Bernard Endersby

by

D.G. Allen, P. Eng. (B.C.)

October 28, 1982

North Vancouver, B.C.

SUMMARY AND CONCLUSION

The Wall claims (Wall 1-6) are held by Stan and Bernard Endersby. They are situated 20 kilometres east of Salmo, B.C. at the head of Next Creek. Access is by logging road. The claims lie both east and west of the Spokane mine and cover the projection of the Spokane vein. Production between 1915 and 1956 from the Spokane vein totalled 1733 tonnes totalling 29,639 grams gold, 570,988 grams silver, 304,047 kilograms lead and 12,943 kilograms zinc.

The property is underlain mainly by granodiorite of the Wall stock. This rock hosts the east-west trending Spokane vein.

On October 1, 1982, a preliminary program of prospecting and geochemical sampling was carried out by D. G. Allen, and B. Endersby to assess the economic potential. Highly anomalous lead and zinc values were obtained in soils along the westerly projection of the Spokane vein, indicating that the vein probably continues onto the Wall 1 and 2 claims. Further geochemical sampling coupled with geological mapping and VLF-EM surveys are warranted.

RECOMMENDATION

A flagged grid should be established on the Wall 1 and 2 claims and detailed geochemical sampling and VLF-EM surveys combined with geological mapping, carried out. Reconnaissance prospecting and geochemical sampling should be continued on the Wall 3 to 6 claims.

INTRODUCTION

The Wall claims were originally staked to cover the possible extension of vein-type gold-silver-lead-zinc mineralization on the Spokane and Spokane No. 1 claims.

This report summarizes the results of a preliminary geological and geochemical investigation carried out by D.G. Allen and B. Endersby on October 1, 1982.

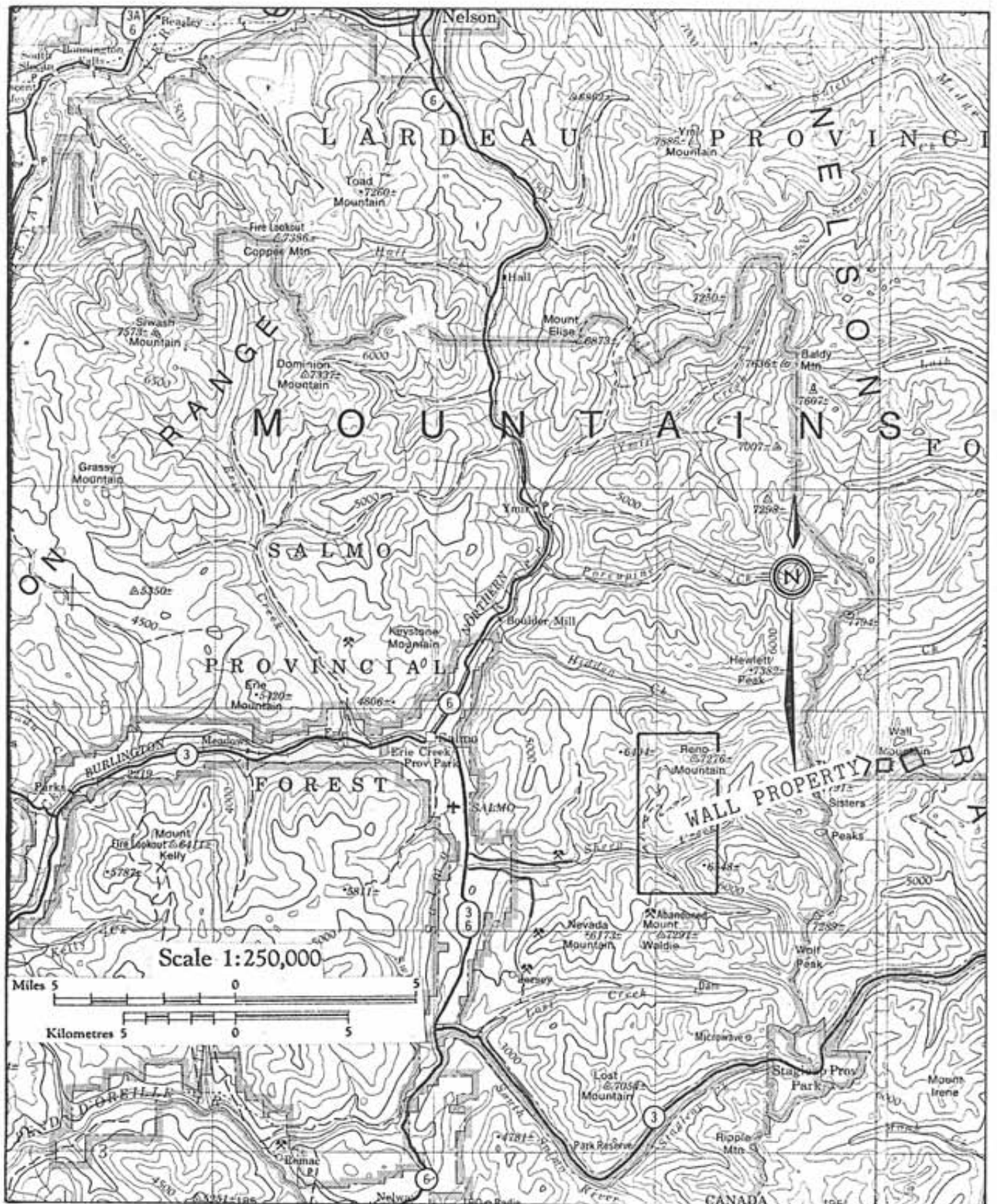
The Spokane vein system was briefly examined and reconnaissance prospecting and soil sampling carried out across the extension of the vein to the east and west of its known limits.

LOCATION, ACCESS, PHYSIOGRAPHY

The Wall claims are situated 20 kilometres east of Salmo, B.C. They lie between elevations 5300 and 6800 feet on the southeast slope of Wall Mountain at the head of Next Creek (figure 1).

Access is possible via the Salmo-Creston highway and by logging roads up Blazed Creek.

Slopes are moderately steep and are covered with a mature growth of larch and fir. Extensive slide areas contain thick growths of slide alder.



82 F/2

LOCATION MAP

WALL PROPERTY

Nelson Mining Division - British Columbia



Figure 1

CLAIM DATA

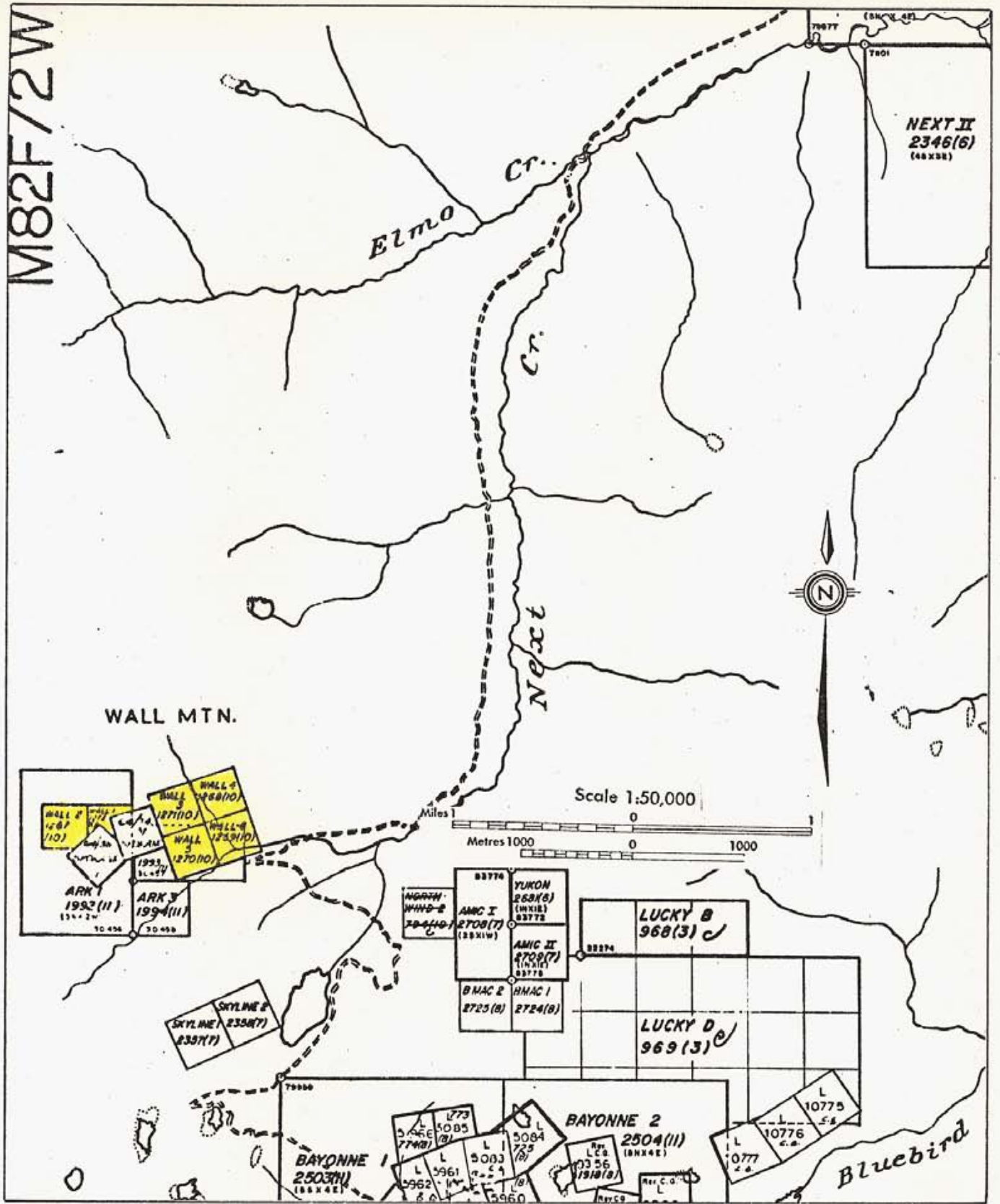
The property consists of six 2-post claims, Wall 1-6, record numbers are 1268 to 1271 and the anniversary date is October 1. They are owned by Stan and Bernard Endersby. The Wall 1 and 2 claims lie east of, and the Wall 3 to 6 lie west of the Spokane claims (figure 2). Their exact locations with respect to each other have not yet been determined.

GEOLOGY

The claim area is underlain by biotite granodiorite of the Nelson plutonic suite (Wall stock). The contact with sedimentary rocks of the Horsethief Creek series presumably lies in the drift-filled lower slopes of the Next Creek valley. The granodiorite is massive, medium-grained and has a fresh appearance except adjacent to the Spokane vein.

MINERALIZATION

No mineralization has yet been recognized on the Wall claims. Overburden is extensive - a talus slide covers the extension of the Spokane vein to the west and glacial till and talus covers the extension to the east. Several barren



CLAIM MAP

WALL PROPERTY

Nelson Mining Division - British Columbia

Donald B. Allen
exploration Ltd.

Figure 2

quartz boulders were observed in the talus on the Wall 1 claim.

The Spokane vein was described by Cartmel (1916), Langley (1918), Sargent (1937) and Rice (1941). It is a fissure-type quartz vein containing high-grade shoots of galena, pyrite, sphalerite and chalcopyrite with significant gold and silver values. The vein varies in width from 0.1 to 0.9 metres, trends east-west and dips steeply to the South. It has been developed by 5 adits and a number of open cuts. A lower vein 0.07 to 0.15 metres wide parallels the main vein about 110 metres to the south. Production from 1915 to 1956 totalled 1733 tonnes containing 29,639 grams gold, 570,988 grams silver, 304,046 kilograms lead and 12,943 kilograms zinc.

GEOCHEMISTRY

Two lines of soil sampling (28 soil samples and one silt sample) were carried out on and adjacent to the Wall claims to determine:

- 1) the geochemical expression of the Spokane vein and
- 2) whether or not the vein might extend along the strike on to the Wall claims.

Soil material sampled consisted mainly of talus fines taken at depths of 2 to 20 centimetres. Material was

placed in Kraft paper bags and shipped to Roszbacher Laboratories for geochemical analysis by standard atomic absorption techniques for 9 elements (Mo, Cu, Ni, Co, Mn, Fe, Ag, Zn, Pb). Sample results are presented in Appendix I and sample sites and zinc and lead results are plotted on figure 3.

Of the 9 elements analyzed, only zinc and lead show any conspicuous anomalies. Anomalous zinc values ranging from 200 to 1460 ppm and lead values ranging from 30 to 880 ppm were obtained on the westernmost line. Scattered weakly anomalous silver values (0.6 ppm) were obtained in the same area. Several weakly anomalous lead values (26-30 ppm) were obtained from soil and silt samples on the Wall 3 and 5 claims. Results indicated a good possibility that the Spokane veins continue westward.

Donald B. Allen

REFERENCES


- Cartmel, T., (1916) Spokane Group in B.C. Min. Mines
Ann. Rept. 1916, p. K 173-174.
- Langley, A.G., (1918) Spokane Group in B.C. Min. Mines
Ann. Rept. 1918, p. F 165-167.
- Sargent, H., (1937) Spokane Group in B.C. Min. Mines
Ann. Rept. 1937, p. E 17-22.
- Rice, H., (1941) Nelson Map area, East Half B.C. Geol.
Surv. Canada Memoir 229.

CERTIFICATE

I, Donald G. Allen certify that:

1. I am a Consulting Geological Engineer, resident at 4570 Hoskins Road, North Vancouver, B.C.
2. I am a graduate of the University of British Columbia with degrees in Geological Engineering. (B.A.Sc., 1964; M.A.Sc., 1966)
3. I have been practising my profession since 1964.
4. I am a member in good standing of the Association of Professional Engineers of British Columbia.
5. This report is based on fieldwork carried out on October 1, 1982.
6. I hold no interest, nor do I expect to receive any, in the Wall claims.

North Vancouver, B.C.
October 29, 1982


D. G. Allen,
P. Eng. (B.C.)

AFFIDAVIT OF EXPENSES

This will certify that prospecting and geochemical sampling were carried out on October 1, 1982, on the Wall claims, Nelson Mining Division, Next Creek area, British Columbia to the value of the following:

Fieldwork

Salaries

| | | |
|-------------|-------------------|-----------|
| D.G. Allen | 1 day @ \$200/day | \$ 200.00 |
| B. Endersby | 1 day @ \$200/day | 200.00 |

| | | |
|-----------------|--|-------|
| Vehicle expense | | 65.31 |
|-----------------|--|-------|

| | | |
|-------|--|-------|
| Board | | 15.00 |
|-------|--|-------|

| | | |
|----------------------|--|--------|
| Geochemical analyses | | 152.25 |
|----------------------|--|--------|

Report

Salary

| | | |
|------------|----------------------|--------|
| D.G. Allen | 1.2 days @ \$200/day | 240.00 |
|------------|----------------------|--------|

| | | |
|---------------------------------|-----------------------|--------|
| Draughting, typing, compilation | | |
| | 10.2 hours @ \$15/hr. | 153.00 |

| | | |
|-----------------------------------|--|-------|
| Map reproduction and photocopying | | 49.31 |
|-----------------------------------|--|-------|

| | | |
|-------|--|-------------------|
| Total | | <u>\$1,074.87</u> |
|-------|--|-------------------|

Donald G. Allen

Donald G. Allen,
P. Eng. (B.C.)

APPENDIX I
ANALYTICAL RESULTS

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

TO: **A & M EXPLORATION LTD.**
4570 HOSKINS ROAD
NORTH VANCOUVER, B.C. V7K 2R1

CERTIFICATE NO. **82289-2**
INVOICE NO.
DATE ANALYSED **OCT. 15, 1982**
PROJECT **WALL PROPERTY**

| No. | Sample | pH | Mo | Cu | Ni | Co | Mn | Fe | As | Zn | Pb | | No. |
|-----|------------|----|----|----|----|----|------|-----|-----|-----|-----|--|-----|
| 01 | 2 WAS 240 | | 2 | 22 | 18 | 10 | 1000 | 3.5 | 0.6 | 354 | 366 | | 01 |
| 02 | 241 | | 1 | 10 | 12 | 8 | 460 | 3.0 | 0.2 | 56 | 10 | | 02 |
| 03 | 242 | | 1 | 10 | 10 | 8 | 920 | 3.2 | 0.2 | 60 | 20 | | 03 |
| 04 | 243 | | 2 | 10 | 8 | 8 | 580 | 4.0 | 0.2 | 64 | 22 | | 04 |
| 05 | 244 | | 1 | 12 | 14 | 8 | 520 | 3.7 | 0.4 | 70 | 16 | | 05 |
| 06 | 245 | | 1 | 14 | 14 | 8 | 1080 | 3.1 | 0.2 | 108 | 22 | | 06 |
| 07 | 246 | | 1 | 14 | 18 | 10 | 480 | 2.9 | 0.2 | 62 | 22 | | 07 |
| 08 | 247 | | 2 | 16 | 12 | 8 | 1000 | 2.9 | 0.2 | 78 | 26 | | 08 |
| 09 | 248 | | 1 | 16 | 12 | 12 | 1340 | 3.4 | 0.2 | 104 | 26 | | 09 |
| 10 | 2 WAS 249 | | 2 | 14 | 20 | 8 | 1000 | 3.0 | 0.2 | 90 | 16 | | 10 |
| 11 | 250 | | 1 | 12 | 10 | 8 | 960 | 3.3 | 0.2 | 98 | 18 | | 11 |
| 12 | S 251 | | 1 | 10 | 10 | 6 | 1000 | 3.3 | 0.2 | 96 | 22 | | 12 |
| 13 | 2 WALL 252 | | 1 | 10 | 6 | 6 | 560 | 2.4 | 0.2 | 80 | 34 | | 13 |
| 14 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 31 |
| 32 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 33 |
| 34 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 35 |
| 36 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 37 |
| 38 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 39 |
| 40 | | | | | | | | | | | | | 40 |

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by

P. Rossbach

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 82289-3

TO: **A & M EXPLORATION LTD.**

INVOICE NO.

4570 HOSKINS ROAD

DATE ANALYSED OCT. 15, 1982

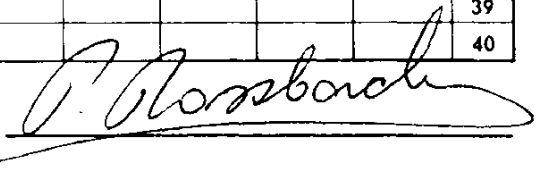
NORTH VANCOUVER, B.C. V7K 2R1

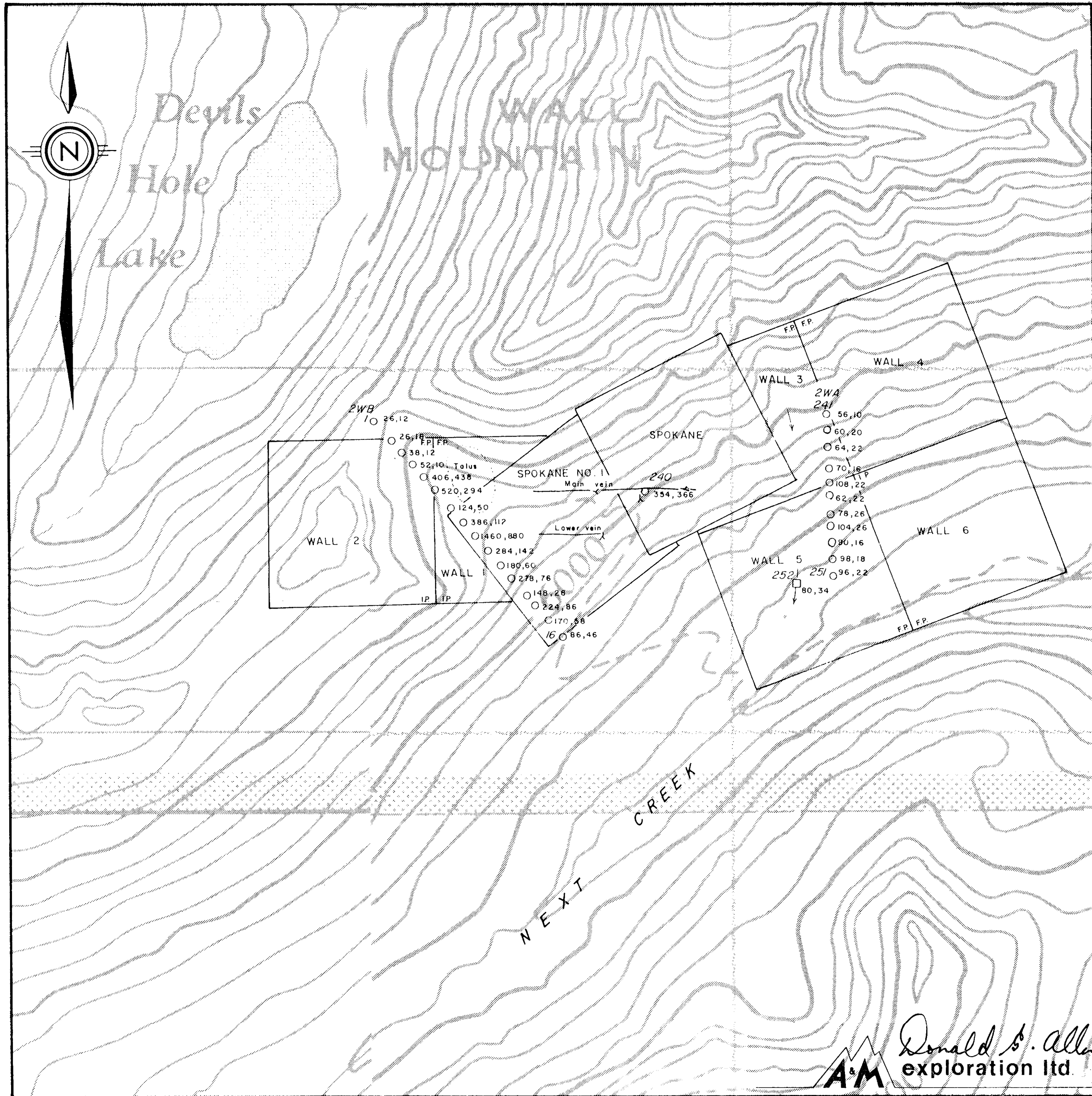
PROJECT WALL PROPERTY

| No. | Sample | pH | Mo | Cu | Ni | Co | Mn | Fe | Ag | Zn | Pb | | | No. |
|-----|---------|----|----|----|----|----|------|-----|-----|------|-----|--|--|-----|
| 01 | 2WBS 1 | | 1 | 20 | 8 | 4 | 130 | 3.2 | 0.6 | 26 | 12 | | | 01 |
| 02 | 2 | | 1 | 8 | 2 | 2 | 60 | 0.9 | 0.4 | 26 | 18 | | | 02 |
| 03 | 3 | | 1 | 14 | 6 | 4 | 70 | 2.8 | 0.6 | 38 | 12 | | | 03 |
| 04 | 4 | | 1 | 18 | 8 | 4 | 340 | 2.3 | 0.6 | 52 | 10 | | | 04 |
| 05 | 5 | | 1 | 22 | 18 | 4 | 160 | 3.3 | 0.6 | 406 | 438 | | | 05 |
| 06 | 6 | | 2 | 20 | 16 | 8 | 420 | 3.1 | 0.6 | 520 | 294 | | | 06 |
| 07 | 7 | | 1 | 12 | 10 | 6 | 360 | 3.1 | 0.2 | 124 | 50 | | | 07 |
| 08 | 8 | | 1 | 14 | 12 | 10 | 860 | 3.3 | 0.4 | 386 | 112 | | | 08 |
| 09 | 9 | | 1 | 26 | 12 | 10 | 1180 | 3.4 | 0.6 | 1460 | 880 | | | 09 |
| 10 | 2WBS 10 | | 1 | 24 | 22 | 10 | 460 | 3.6 | 0.2 | 284 | 142 | | | 10 |
| 11 | 11 | | 2 | 14 | 16 | 10 | 560 | 3.8 | 0.2 | 180 | 60 | | | 11 |
| 12 | 12 | | 2 | 20 | 16 | 10 | 1420 | 2.8 | 0.4 | 278 | 76 | | | 12 |
| 13 | 13 | | 1 | 18 | 24 | 10 | 420 | 3.7 | 0.6 | 148 | 28 | | | 13 |
| 14 | 14 | | 1 | 20 | 24 | 10 | 600 | 3.9 | 0.4 | 224 | 86 | | | 14 |
| 15 | 15 | | 2 | 22 | 24 | 10 | 520 | 3.4 | 0.2 | 170 | 58 | | | 15 |
| 16 | 2WBS 16 | | 1 | 24 | 24 | 10 | 280 | 2.9 | 0.2 | 86 | 46 | | | 16 |
| 17 | | | | | | | | | | | 1 | | | 17 |
| 18 | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | 31 |
| 32 | | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | | 33 |
| 34 | | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | | 35 |
| 36 | | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | | 37 |
| 38 | | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | | 39 |
| 40 | | | | | | | | | | | | | | 40 |

VALUES IN PPM UNLESS NOTED OTHERWISE.

Certified by





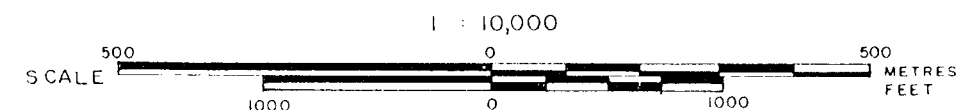
LEGEND

- Quartz vein
- > Adit
- □²⁵²_{80,34} Soil, silt sample; ppm Zn, Pb
- ⎓ Claim boundary

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,841
NO.

WALL PROPERTY
NELSON MINING DIVISION - BRITISH COLUMBIA

GEOCHEMICAL MAP



A&M Donald S. Allen
exploration Ltd.