

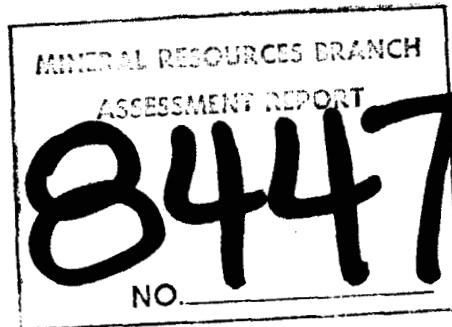
80 - #634 - #8447

REPORT of 1980 EXPLORATION RESULTS  
HAGAS 1,3,4,5,6,16,76 to 80,81 and 84Fr.

and

HEM Mineral Claims

54°09'N, 127°01'E,  
N.T.S. 93L/3E



OMINECA MINING DIVISION

PART  
1 4 2

Owned by

Winslow W. Bennett & Catre Industries Ltd.

Operated by

Catre-Ben Joint Venture

Report by: E.S. Holt, P.Eng. (B.C.)

October, 1980

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## APPENDICES

Appendix A - Certificates of Assay (Bound in Report)

Appendix B - Report on Ground Magnetic and Electro  
Magnetic Survey on the Hagas Claims by  
Peter E. Walcott and Associates.  
(submitted under seperate cover)

## DRAWINGS IN POCKET

- Drawing #1 1980 Exploration, (scale 1:20,000)
- Drawing #2 Geologic Plan, (scale 1:5,000)
- Drawing #3 Geochemical Results, (scale 1:5,000)

## REPORT OF 1980 EXPLORATION RESULTS

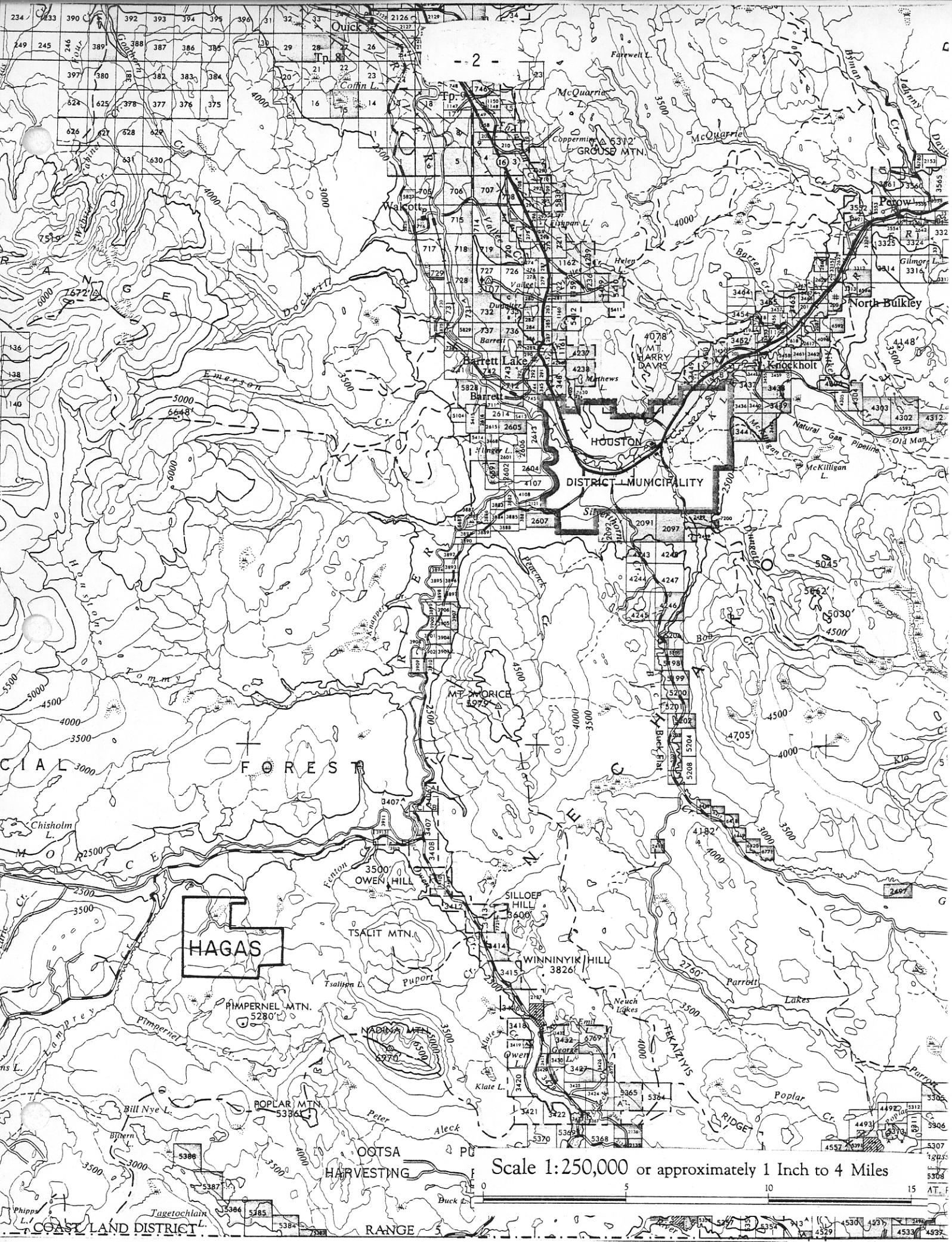
### INTRODUCTION

The Hagas property is located within the Omineca Mining Division in the central interior of British Columbia, approximately 20 miles southwest of the town of Houston. The geodetic coordinates are 54°09'N and 127°01'E.

The property is accessible from Houston via the Morice River road to Km 41.6 and then via a good logging road for 3 kms. The Hagas property is encountered just beyond Frypan Lake.

The central area of the Hagas property was initially staked during the early 1970's. The claims have been the subject of a number of exploration programs, as has the Code-Fen property immediately to the east. The soils, particularly on the Code-Fen claims, are anomalous in metal values and the geologic setting is similar in some respects to the Nadina and Sam Goosly properties to the east.

The 1980 exploration program was undertaken by Catre-Ben Joint Venture. The work consisted of an airborne E.M. survey, 42.1 kms. of line cutting and surveying, Max-Min



and magnetometer geophysical surveys of the grid and the collecting of geochemical soil samples at 100 meter intervals along the grid system. The cut lines were also used as control for geologic mapping at a scale of 1:5,000.

The Airborne Geophysical survey was carried out by Aerodat Limited, while the follow up ground geophysics was done by Peter E. Walcott and Associates. Holt Engineering Ltd. carried out the geological mapping, line cutting and geochemical soil sampling. Most of the exploration work, undertaken in 1980, was done to fulfill recommendations resulting from the airborne geophysical survey.

The property consists of the following 102 claim units or fractions:

| <u>Claim Name</u> | <u>Record Number</u>                 |
|-------------------|--------------------------------------|
| Hagas 1,3,4 and 5 | 108688, 108690,<br>108691 and 108692 |
| Hagas 6           | 108693                               |
| Hagas 16          | 108703                               |
| Hagas 76          | 507                                  |
| Hagas 77-78       | 564 and 565                          |
| Hagas 79-80       | 1161 and 1162                        |
| Hagas 81 FR.      | 1163                                 |
| Hagas 84 FR.      | 1164                                 |
| Hem (12 units)    | 86                                   |

The physiography of the property consists of sub-rounded

mountains and broad open valleys with one flat, swampy zone near the centre of the claim group. Approximately 30% of the property has been logged off while the remainder is covered by a moderate timber stand. Elevations range from 800 to 1300 meters above sea level.

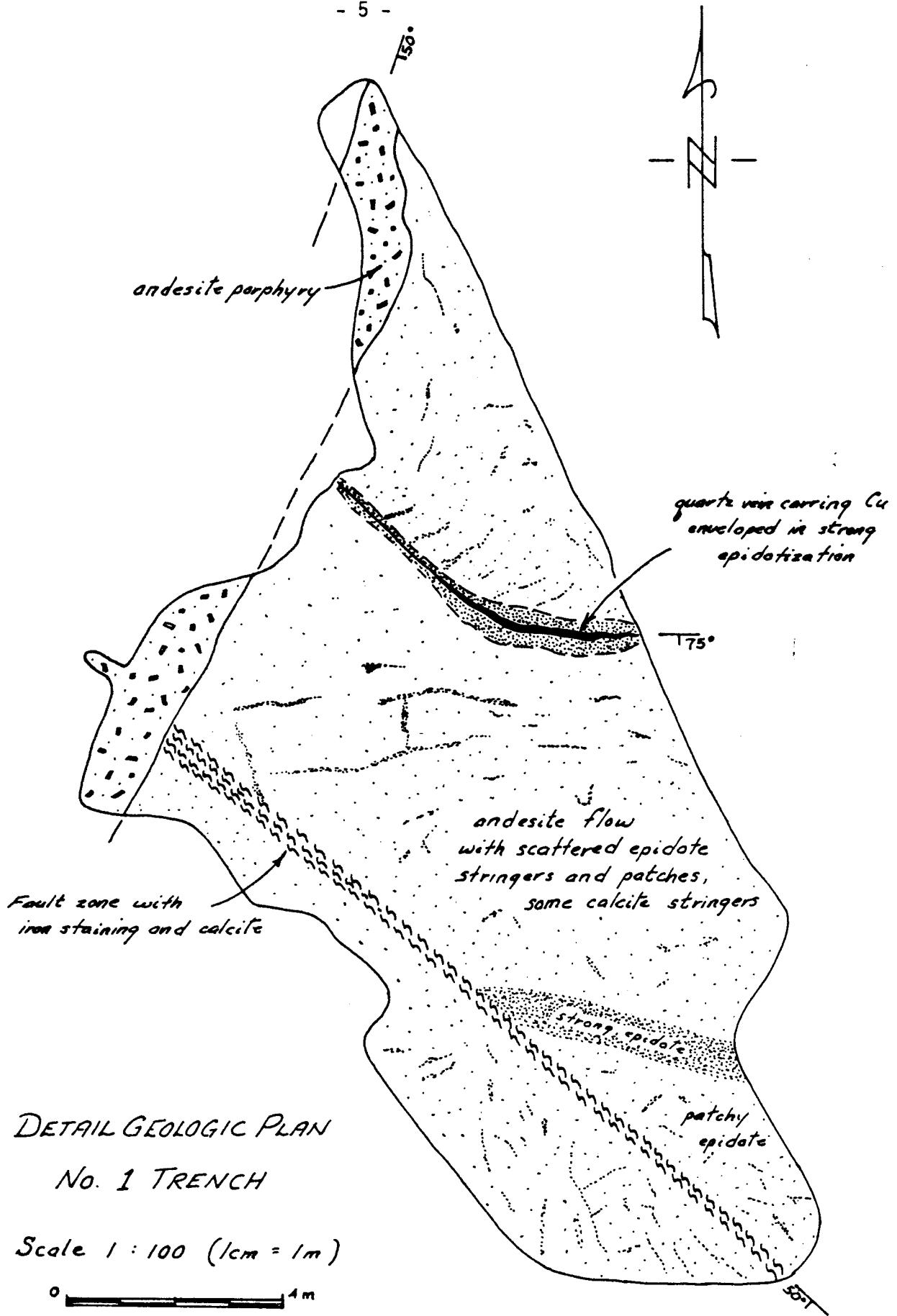
#### GEOLOGY

Rock exposures are scarce in the central and northern part of the property, but become reasonably abundant at higher elevations to the south and west. The overburden consists of dense glacial till with up to 15% rounded boulders. Although extensive, the till is often shallow as evidenced by the bedrock exposures which have resulted from logging road construction.

A significant portion of the property was mapped at a scale of 1:5,000, utilizing the cut survey lines for control. In addition, detailed mapping at scales of 1:100 and 1:1000 were carried out in the vicinity of the trenching program. The 1:5000 scale drawing is provided in the packet while the two detailed plans are on the following pages.

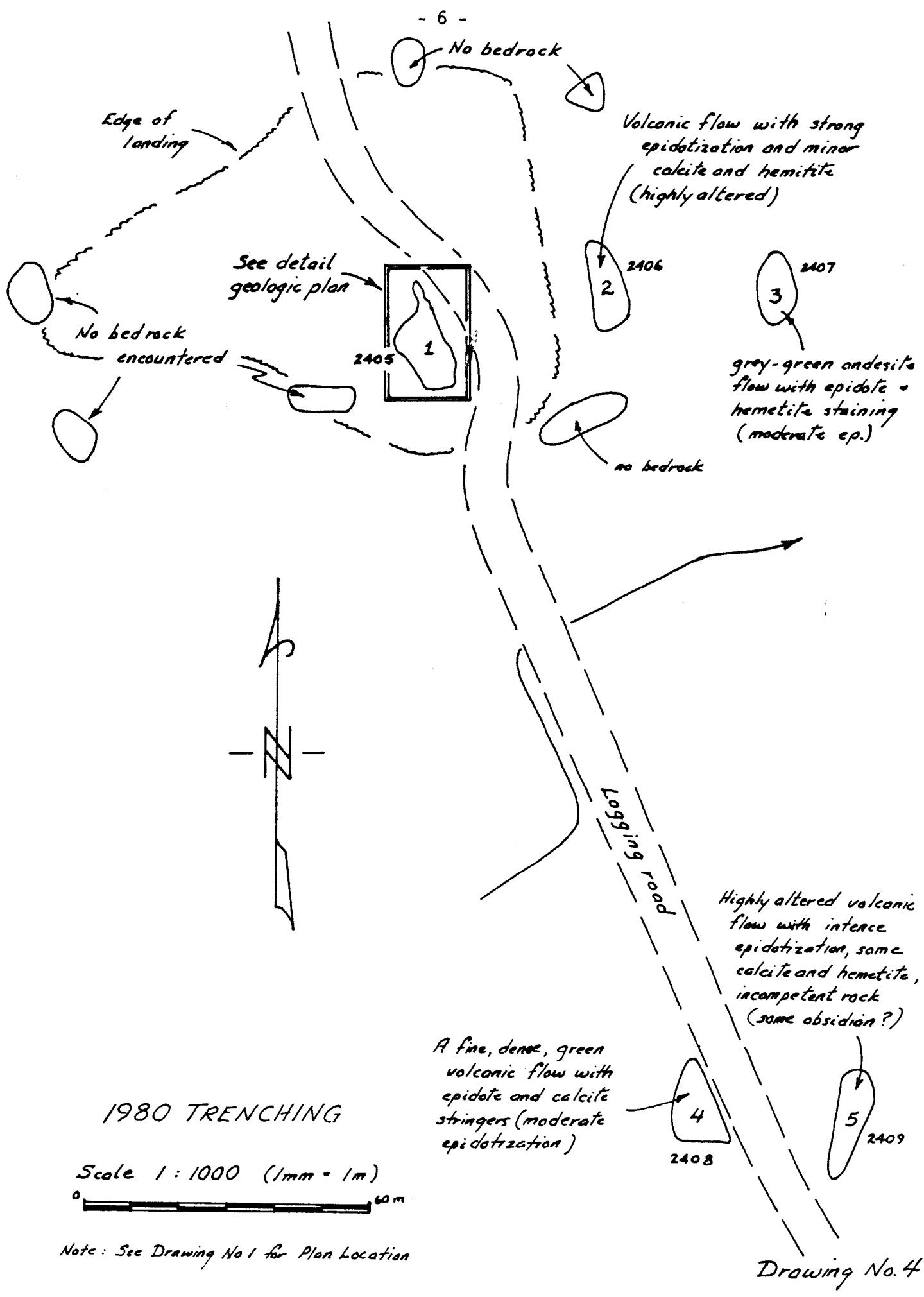
The youngest rocks on the property are the Buck Creek volcanics which are exposed at higher elevations to the south and west and to the northeast. They are fresh, dark green, aphanitic,

- 5 -



Note: See drawings 1 + 4 for plan location  
relative to claim boundaries

Drawing No. 5



andesite flows with a characteristic brown weathering.

Underlying the Buck Creek volcanics are the Jurassic Hazelton Group. They occupy most of the central and northern part of the property and consist of a diverse suite of rock types. Maroon, grey and yellowish pyroclastics are common as are tuffs and andesitic or rhyolitic flows. Most of the rocks are moderately altered with some areas of intense epidotization and chloritization. Facies changes, particularly in the pyroclastic units are not uncommon, and bedding attitudes are difficult to obtain.

Sulphide mineralization, including pyrite, was notably lacking in the outcrops mapped. Minor disseminated chalcopyrite was observed in an andesitic flow in the vicinity of 32 + 50N, 22 + 20E and native copper was exposed in a small quartz stringer as shown in the detailed mapping.

Samples of the mineralized quartz stringer assayed:

|             | %Cu  | Oz.Au | Oz.Ag |
|-------------|------|-------|-------|
| Sample 2404 | 1.98 | .09   | .002  |
| Sample 2322 | 2.03 | .12   | .002  |

Mapping and sampling of trenches in the vicinity of the quartz stringer indicated that the copper mineralization had a very limited extent. In the case of the showing uncovered, the copper values were concentrated in a single stringer not more than 20 cm. wide and several meters long.

It was enclosed in an envelope of intense epidotization within an andesite flow host.

Eleven bulldozer trenches were dug in the immediate vicinity of the showing, four of which encountered bedrock. They all revealed strong chlorite and epidote alteration but were lacking in quartz and copper mineralization. A Max-Min geophysical survey line previously established by Aquitaine Company of Canada passes 60 meters to the northeast of the showing. Anomalous conditions were not encountered in the vicinity of the trenches.

The only other economic mineralization encountered was the malachite staining previously reported along the northern contact of the small gabbro intrusive in the vicinity of 42N - 17E.

#### GEOPHYSICS

The Airborne Geophysical survey was carried out during April of 1980. It employed the Aerodat helicopter E.M. system which involves a towed bird, slung 75' below the aircraft, in which the transmit and receive coils are housed, vertically and co-axially and 20' apart. The in-phase and out-of-phase components of the received horizontal secondary field are measured at the two operational frequencies 900 Hz

and 4200 Hz. These data are augmented, and to some extent controlled by concurrent measurements of the terrestrial magnetic field, and of aircraft altitude by radio-altimeter. In addition, the present surveying included a two parameter measure of the local V.L.F. field transmitted from NLK, Seattle, Washington at 18.6 kHz. The sensor system employed was the Herz TOTEM system supplying total field strength and vertical out-of-phase readings.

The survey itself was conducted on flight lines 250 m apart oriented due east-west. Mean terrain clearance was in the order of 250' A.G.L. for the aircraft or that is, 175' for the bird.

The Airborne Geophysical survey data was studied by Mr. John B. Boniwell of Excalibur International Consultants Ltd. He recommended that six anomalous features be ground investigated. The location of the airborne anomalies recommended for follow up work are illustrated on Drawing No. 1, enclosed in the pocket.

Mr. Boniwell's recommendations formed the basis for most of the exploration work carried out on the Hagas property during 1980. A total of 42.1 kms. of line cutting, surveying, soil sampling and ground geophysics were carried out in an effort to explore the selected anomalies.

The follow up geophysical surveys were carried out by Mr.P.E. Walcott of Peter E. Walcott and Associates. The results of his work are submitted under separate cover in a report entitled "Report on Ground Magnetic and Electromagnetic Survey on the Hagas Claims".

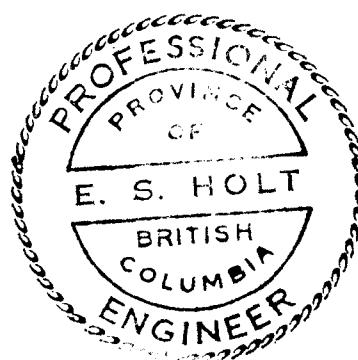
### GEOCHEMISTRY

A total of 387 soil samples were collected at 100 meter intervals along the survey grid. These samples were analysed for copper, lead and zinc with the results shown on Drawing No. 4 "Geochemical Results". The assay certificates are provided in the appendix, as is a description of the analysis method.

The soil samples were collected from the "B" horizon which was generally 10 to 20 cm. below surface. Heavier humus cover was encountered in the poorly drained south eastern section of the property.

As will be noted from the "Geochemical Results" drawing, the values obtained were generally consistent. A weakly anomalous area for zinc extends over several samples in the vicinity of 30N - 22E while copper highs are generally isolated and widely scattered. A general trend to slightly higher values in the northwest grid was noted.

As part of an initial reconnaissance program, 22 silt samples were collected and analysed by a heavy metal concentration method. These samples are numbered 2,4 and 6 to 25 inclusive. The sample locations are shown on Drawing No.1 while the results of the analysis are provided in the appendix.



Respectfully submitted,  
HOLT ENGINEERING LTD.

A handwritten signature of "E.S. Holt" over a horizontal line, with "P. Eng." written below it in an oval.

Oct 17, 1980

ITEMIZED COST STATEMENT

SUMMARY

|                        |               |
|------------------------|---------------|
| Personel               | \$43,233.00   |
| Geophysical Contractor | 8,340.00      |
| Camp Costs             | 7,900.00      |
| Assaying               | 2,271.00      |
| Trenching              | 680.00        |
| Transportation         | 2,708.00      |
| Field Supplies         | 7,818.00      |
| Rentals                | 4,620.00      |
| Communications         | <u>251.00</u> |
| Total                  | \$77,821.00   |

DETAIL OF COSTS

Personnel

E.S. Holt (Consultant)

|                           |                               |
|---------------------------|-------------------------------|
| March 21,22 and 31        | 3.0 days                      |
| April 3, 8-10,28,29       | 5.0 days                      |
| May 6,7,15,16,19-24,27-29 | 13.0 days                     |
| June 12,16,18-23,26,27,30 | 11.0 days                     |
| July 2-4,7,10-13,17-20,29 | 13.0 days                     |
| Aug. 4,7-22,26,28         | 19.0 days                     |
| Sept. 8,17                | 2.0 days                      |
| Oct. 6-10,14-17           | <u>9.0 days</u>               |
|                           | 74 days @ \$200 = \$14,800.00 |

E.C. Holt (Geologist)

|                |          |
|----------------|----------|
| April 3 and 21 | 1.5 days |
| May 29,30      | 2.0 days |
| June 16        | 1.0 day  |

|                   |                                |
|-------------------|--------------------------------|
| July 9 and 10     | 2.0 days                       |
| Aug. 8, 18 and 25 | 2.5 days                       |
| Sept. 17          | 1.0 day                        |
| Oct. 15-17        | <u>2.5 days</u>                |
|                   | 12.5 days @ \$125 = \$1,563.00 |

T. Brooks (Supervisor)

|                     |                                 |
|---------------------|---------------------------------|
| May 16-24 and 26-31 | 13.5 days                       |
| June 1-5, and 13-30 | 21.5 days                       |
| July 2,3, 5-31      | 26.5 days                       |
| Aug. 1, 3-6, 14-31  | <u>21.5 days</u>                |
|                     | 83.0 days @ \$140 = \$11,620.00 |

A. Curcio (Technician)

|                      |                                |
|----------------------|--------------------------------|
| May 20-23, 26-31     | 10.0 days                      |
| June 1-5, 13-26      | 17.5 days                      |
| July 2,3,5-17, 25-31 | 21.5 days                      |
| Aug. 1-30            | <u>28.5 days</u>               |
|                      | 77.5 days @ \$100 = \$7,750.00 |

T. O'Connell (Student)

|                |                               |
|----------------|-------------------------------|
| June 24-28,30  | 6.0 days                      |
| July 2,3, 5-31 | 27.0 days                     |
| Aug. 1,3-22    | <u>20.5 days</u>              |
|                | 53.5 days @ \$75 = \$4,010.00 |

J. Jones (Student)

|                      |                               |
|----------------------|-------------------------------|
| July 2,3,5-19, 23-31 | 25.5 days                     |
| Aug. 1-22            | <u>21.0 days</u>              |
|                      | 46.5 days @ \$75 = \$3,490.00 |

Total Personnel for supervision, line cutting,  
surveying, geologic mapping, geochemical soil  
sampling, geophysical assistants and report  
preparation \$43,233.00

Geophysical Contractor

Peter E. Walcott and Associates  
Geophysical operator and equipment  
rental

8,340.00

Camp Costs

Establishing camp facilities and providing

Accommodation      316 man days @\$25      7,900.00

Assaying

As per invoices from Min-En Laboratory

18 Heavy metal Cu,Pb,Zn,Ag @\$22.00 =    396.00

387 Soil Samples Cu,Pb,Zn @\$3.85 =    1,489.95

Other misc. assaying                        385.05

Total Assaying                                2,271.00

Trenching

D-8 Tractor      9 hrs. @\$75.25      680.00

Transportation

Vehicle rentals, fuel, vehicle maintenance,

air fares etc.                                2,708.00

Field Supplies

Lumber, survey stakes, tools, engineering  
supplies and expense accts.

7,818.00

Rentals

Trailer unit, generators, power saws etc.      4,620.00

Communications

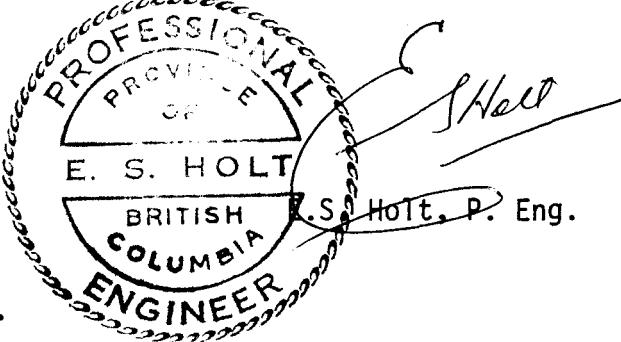
B.C. Tel                                        251.00

TOTAL EXPENDITURE                                \$77,821.00

STATEMENT OF QUALIFICATIONS

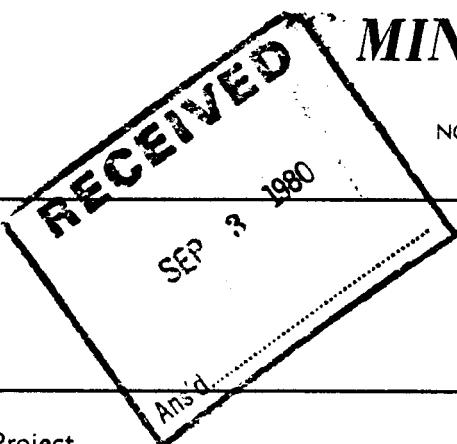
I, Edward S. Holt of North Vancouver, British Columbia, do hereby certify:

1. That I am a geologist residing at 4091 St. Albans Avenue, North Vancouver, British Columbia.
2. That I am a Professional Engineer registered in the Province of British Columbia.
3. That I am employed by Holt Engineering Ltd., 4091 St. Albans Avenue, North Vancouver, British Columbia.
4. That I have practiced my profession for more than 20 years.
5. That I have personal knowledge of the Hagas property in the Omineca Mining Division, British Columbia, having personally spent 40 days on the property during 1980. I have familiarized myself with the surface rock exposures, I have examined existing drill core and I have supervised the line cutting and geochemical soil sampling.



October 15, 1980  
North Vancouver, B.C.

## APPENDIX



# MIN-EN Laboratories Ltd.

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814

## ANALYTICAL REPORT

Project ..... Date of report ..... Aug. 30/80.

File No. 0-752 Date samples received Aug. 26/80.

Samples submitted by: Ed Holt

Company: Holt Engrg.

Report on: 121 soils Geochem samples

Assay samples

Copies sent to:

1. Holt Engrg., North Vancouver B.C.
2. ....
3. ....

Samples: Sieved to mesh - 80 Ground to mesh

Prepared samples stored  discarded

rejects stored  discarded

Methods of analysis: nitric, perchloric digestion. A.A. Analysis.

Remarks: ....

COMP.

Holt Engrg.

PROJECT No.:

ATTENTION: Ed Holt

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

FILE No. 0-752DATE: Aug. 30,1980.

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>100 | 25<br>105 | 30<br>110 | 35<br>115 | 40<br>120 | 45<br>125 | 50<br>130 | 55<br>135 | 60<br>140 | 65<br>145 | 70<br>150 | 75<br>155 | 80<br>160 |
|-------------------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 22N24E            |         | 20       | 14       | 85        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 25E               |         | 12       | 13       | 78        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 26E               |         | 22       | 19       | 88        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 27E               |         | 14       | 15       | 94        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 28E               |         | 15       | 14       | 69        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 29E               |         | 14       | 12       | 61        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 30E               |         | 7        | 7        | 73        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 31E               |         | 17       | 13       | 64        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 32E               |         | 7        | 5        | 54        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 22N33E            |         | 8        | 6        | 50        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 23N20E            |         | 43       | 12       | 95        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 23E               |         | 15       | 9        | 107       |           |           |           |           | •         |           |           |           |           |           |           |           |
| 27E               |         | 22       | 12       | 74        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 28E               |         | 20       | 10       | 67        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 29E               |         | 10       | 11       | 80        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 30E               |         | 16       | 9        | 47        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 23N31E            |         | 18       | 9        | 78        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 24N20E            |         | 42       | 17       | 90        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 21E               |         | 13       | 13       | 55        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 22E               |         | 44       | 21       | 85        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 23E               |         | 10       | 12       | 72        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 24E               |         | 12       | 18       | 59        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 25E               |         | 7        | 12       | 45        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 26E               |         | 13       | 13       | 119       |           |           |           |           | •         |           |           |           |           |           |           |           |
| 27E               |         | 16       | 13       | 90        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 28E               |         | 10       | 13       | 56        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 29E               |         | 21       | 14       | 96        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 30E               |         | 40       | 19       | 86        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 31E               |         | 7        | 11       | 41        |           |           |           |           | •         |           |           |           |           |           |           |           |
| 24N32E            |         | 15       | 16       | 65        |           |           |           |           | •         |           |           |           |           |           |           |           |

CERTIFIED BY

*J. Holt*

COMP. Holt Engrg.

FILE No. 0-752

PROJECT No.: \_\_\_\_\_

DATE: Aug. 30,

ATTENTION: Ed Holt

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

1980.

| Sample Number | 6   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80        |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|
|               | ppm | ppb | ppm | ppm | ppb | ppb | ppb | ppb       |
| 81            | 86  | 90  | 95  | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160       |
| 1.7N20E       |     | 64  | 16  | 99  |     |     |     |     |     |     |     |     |     |     |     | (20 mesh) |
| 2.1E          |     | 21  | 14  | 51  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.2E          |     | 26  | 12  | 78  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.3E          |     | 40  | 11  | 51  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.4E          |     | 17  | 10  | 99  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.5E          |     | 24  | 7   | 101 |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.6E          |     | 167 | 12  | 161 |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.7E          |     | 17  | 8   | 126 |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.8E          |     | 20  | 8   | 77  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.9E          |     | 94  | 7   | 159 |     |     |     |     |     |     |     |     |     |     |     | (20 mesh) |
| 3.0E          |     | 20  | 6   | 88  |     |     |     |     |     |     |     |     |     |     |     |           |
| 3.1E          |     | 21  | 12  | 115 |     |     |     |     |     |     |     |     |     |     |     |           |
| 3.2E          |     | 16  | 4   | 6.8 |     |     |     |     |     |     |     |     |     |     |     |           |
| 1.7N3.3E      |     | 28  | 9   | 73  |     |     |     |     |     |     |     |     |     |     |     |           |
| 1.8N20E       |     | 14  | 8   | 68  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.1E          |     | 17  | 5   | 90  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.2E          |     | 16  | 6   | 107 |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.3E          |     | 19  | 5   | 87  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.4E          |     | 23  | 5   | 95  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.5E          |     | 49  | 6   | 110 |     |     |     |     |     |     |     |     |     |     |     | (40 mesh) |
| 2.6E          |     | 16  | 8   | 73  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.7E          |     | 20  | 9   | 86  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.8E          |     | 22  | 7   | 63  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.9E          |     | 19  | 12  | 126 |     |     |     |     |     |     |     |     |     |     |     |           |
| 3.0E          |     | 33  | 13  | 119 |     |     |     |     |     |     |     |     |     |     |     |           |
| 3.1E          |     | 26  | 14  | 129 |     |     |     |     |     |     |     |     |     |     |     |           |
| 3.2E          |     | 17  | 9   | 94  |     |     |     |     |     |     |     |     |     |     |     |           |
| 1.8N3.3E      |     | 70  | 12  | 93  |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.0N20E       |     | 25  | 10  | 165 |     |     |     |     |     |     |     |     |     |     |     |           |
| 2.0N21E       |     | 18  | 4   | 98  |     |     |     |     |     |     |     |     |     |     |     |           |

CERTIFIED BY

S. J. Holt, M.Sc.

COMP. Holt Engrg.

PROJECT No.: \_\_\_\_\_

Fig. No. 0-271

## **GEOCHEMICAL ANALYSIS DATA SHEET**

**MIN - EN Laboratories Ltd.**

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

## Non Mag Heavy Minerals

DATE: June 13

1980.

ATTENTION: Ed Holt

|  | 6 | 10 | 15 | 20 | 25 |
|--|---|----|----|----|----|
|--|---|----|----|----|----|

| Sample Number | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ni ppm | Co ppm | Ag ppm | Fe ppb | Hg ppm | As ppm | Mn ppm | Au ppb |     |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 81            | 86     | 90     | 95     | 100    | 105    | 110    | 115    | 120    | 125    | 130    | 135    | 140    | 145 |

### (Magnetic separation and grinding)

CERTIFIED BY

COMPA.

Holt Engrg.

PROJECT No.:

108

## **GEOCHEMICAL ANALYSIS DATA SHEET**

F1-L No. 0-387

DATE: July 9

1980.

## **ATTENTION**

Ed Holt

**MIN - EN Laboratories Ltd.**

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

CERTIFIED BY

COMPAN

Holt Engrg.FILE No. 0-752

PROJECT No.: \_\_\_\_\_

MIN - EN Laboratories Ltd.

DATE: Aug. 28,

ATTENTION:

Ed. Holt

1980.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

| Sample.<br>Number | 6         | 10        | 15        | 20        | 25        | 30        | 35        | 40        | 45        | 50        | 55        | 60        | 65  | 70  | 75  | 80  |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|
|                   | Mn<br>ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ni<br>ppm | Co<br>ppm | Ag<br>ppm | Fe<br>ppm | Hg<br>ppb | As<br>ppm | Mn<br>ppm | Au<br>ppb |     |     |     |     |
| 81                | 86        | 90        | 95        | 100       | 105       | 110       | 115       | 120       | 125       | 130       | 135       | 140       | 145 | 150 | 155 | 160 |
| 20N22E            |           | 1.8       | 1.2       | 4.9       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 23E               |           | 3.2       | 1.4       | 5.7       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 24E               |           | 3.1       | 1.7       | 6.5       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 25E               |           | 2.6       | 1.3       | 5.5       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 26E               |           | 1.9       | 1.3       | 8.1       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 27E               |           | 1.6       | 1.2       | 9.4       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 28E               |           | 1.8       | 1.3       | 5.9       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 29E               |           | 1.3       | 9         | 5.5       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 30E               |           | 2.3       | 1.2       | 7.0       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 31E               |           | 1.3       | 9         | 5.0       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 32E               |           | 2.2       | 9         | 4.7       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 20N33E            |           | 4.0       | 1.2       | 8.2       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 21N20E            |           | 3.1       | 1.0       | 4.9       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 21E               |           | 1.9       | 9         | 6.8       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 22E               |           | 2.7       | 1.6       | 5.4       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 23E               |           | 2.2       | 1.2       | 9.7       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 24E               |           | 2.0       | 1.3       | 4.7       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 25E               |           | 2.6       | 1.8       | 9.5       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 26E               |           | 2.6       | 2.0       | 8.3       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 27E               |           | 2.3       | 1.7       | 19.3      |           |           | •         |           |           |           |           |           |     |     |     |     |
| 28E               |           | 2.2       | 1.8       | 5.7       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 29E               |           | 2.5       | 1.9       | 13.8      |           |           | •         |           |           |           |           |           |     |     |     |     |
| 30E               |           | 1.9       | 2.0       | 8.9       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 31                |           | 1.3       | 1.4       | 10.1      |           |           | •         |           |           |           |           |           |     |     |     |     |
| 32E               |           | 2.0       | 1.8       | 6.8       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 21N33E            |           | 1.7       | 1.8       | 7.8       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 22N20E            |           | 1.6       | 1.6       | 4.5       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 21E               |           | 1.5       | 1.7       | 7.0       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 22E               |           | 1.3       | 1.5       | 6.7       |           |           | •         |           |           |           |           |           |     |     |     |     |
| 22N23E            |           | 2.2       | 1.7       | 8.6       |           |           | •         |           |           |           |           |           |     |     |     |     |

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S. HOLT

COMP. Holt Engrg.

PROJECT No.: \_\_\_\_\_

## GEOCHEMICAL ANALYSIS DATA SHEET

FILE No. 0-752

MIN - EN Laboratories Ltd.

DATE: Aug. 30,ATTENTION: Ed Holt705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-58141980.

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>95 | 25<br>100 | 30<br>105 | 35<br>110 | 40<br>115 | 45<br>120 | 50<br>125 | 55<br>130 | 60<br>135 | Mn<br>ppm | Au<br>ppb | 65<br>140 | 70<br>145 | 75<br>150 | 80<br>155 |           |
|-------------------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 24N33E            |         |          | 1.2      | 1.0      | 5.1       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 25N20E            |         |          | 1.8      | 1.0      | 5.7       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 21E               |         |          | 2.4      | 1.1      | 6.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 22E               |         |          | 4        | 1.1      | 3.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 23E               |         |          | 1.6      | 1.4      | 7.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 24E               |         |          | 1.3      | 1.3      | 9.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 25E               |         |          | 1.3      | 1.0      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 26E               |         |          | 1.9      | 1.3      | 14.6      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 27E               |         |          | 3.6      | 2.0      | 11.8      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 28E               |         |          | 1.2      | 1.3      | 8.4       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 29E               |         |          | 1.6      | 1.9      | 6.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 30E               |         |          | 6.1      | 2.5      | 10.8      |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20 mesh) |
| 31E               |         |          | 2.2      | 1.9      | 8.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 32E               |         |          | 7        | 1.2      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 25N33E            |         |          | 1.6      | 1.4      | 6.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 37N20E            |         |          | 2.0      | 1.9      | 9.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 21E               |         |          | 1.2      | 2.1      | 4.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (40 mesh) |
| 22E               |         |          | 7        | 1.3      | 4.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 23E               |         |          | 2.4      | 1.8      | 5.4       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 24E               |         |          | 1.1      | 1.8      | 6.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 25E               |         |          | 2.5      | 1.7      | 7.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 26E               |         |          | 7        | 1.3      | 5.4       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 37N27E            |         |          | 8.7      | 2.3      | 8.9       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 38N20E            |         |          | 3.2      | 2.3      | 7.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 21E               |         |          | 2.2      | 2.2      | 7.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 22E               |         |          | 1.0      | 1.9      | 4.1       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 23E               |         |          | 6        | 1.5      | 6.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 24E               |         |          | 8        | 1.5      | 3.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 25E               |         |          | 2.3      | 1.6      | 7.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 38N26E            |         |          | 1.9      | 1.0      | 5.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |

CERTIFIED BY

A. Holt Aug. 30, 1980

COMPA

Holt Engrg.

FILE No. 0-752

PROJECT No.:

## GEOCHEMICAL ANALYSIS DATA SHEET

**MIN - EN Laboratories Ltd.**

#### **ATTENTION**

Ed Holt

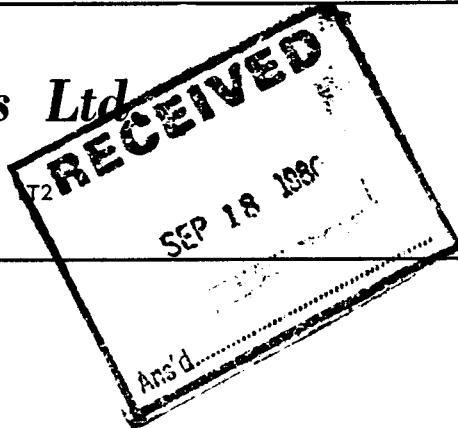
DATE: Aug. 29,

1980.

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# MIN-EN Laboratories Ltd

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814



## ANALYTICAL REPORT

Project ..... 104 ..... Date of report ..... Sept. 18/80 .....

File No. ..... 0-839 ..... Date samples received ..... Sept. 13/80 .....

Samples submitted by: ..... Ed Holt .....

Company: ..... Holt Engrg. ....

Report on: ..... 110 soils ..... Geochem samples

..... Assay samples

Copies sent to:

1. .... Holt Engrg., North Vancouver, B.C. ....
2. ....
3. ....

Samples: Sieved to mesh ..... -80 soil ..... Ground to mesh .....

Prepared samples      stored       discarded

rejects      stored       discarded

Methods of analysis: ..... nitric, perchloric digestion. A.A. Analysis. ....

Remarks: .....

COMPA. Holt Engrg.

PROJECT No.: 104

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

FILE No. 0-839

DATE: Sept. 18

ATTENTION: Ed Holt

1980

| Sample.<br>Number | 6   | 10  | 15  | 20   | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  |
|-------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   | ppm | ppm | ppm | ppm  | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppm | ppm | ppm |
| 81                | 86  | 90  | 95  | 100  | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 |
| 43N7E             |     | 14  | 20  | 5.9  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..8E              |     | 13  | 26  | 17.5 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..9E              |     | 14  | 24  | 15.0 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..10E             |     | 17  | 19  | 11.0 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..11E             |     | 11  | 24  | 11.1 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..12E             |     | 3.7 | 31  | 44.3 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..13E             |     | 15  | 21  | 13.6 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..14E             |     | 1.7 | 23  | 9.5  |     |     |     | •   |     |     |     |     |     |     |     |     |
| 43N15E            |     | 23  | 26  | 12.1 |     |     |     | •   |     |     |     |     |     |     |     |     |
| 44N7E             |     | 17  | 13  | 4.1  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..8E              |     | 14  | 28  | 19.3 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..9E              |     | 14  | 29  | 7.6  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..10E             |     | 11  | 14  | 8.3  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..11E             |     | 19  | 16  | 11.6 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..12E             |     | 15  | 30  | 11.3 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..13E             |     | 14  | 20  | 11.1 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..14E             |     | 1.7 | 17  | 5.5  |     |     |     | •   |     |     |     |     |     |     |     |     |
| 44N15E            |     | 4.0 | 24  | 11.3 |     |     |     | •   |     |     |     |     |     |     |     |     |
| 48N7E             |     | 8.8 | 36  | 21.2 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..8E              |     | 3.5 | 23  | 15.0 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..9E              |     | 3.2 | 22  | 16.5 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..10E             |     | 3.9 | 23  | 15.6 |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..11E             |     | 1.0 | 16  | 5.4  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..12E             |     | 1.5 | 12  | 4.0  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..13E             |     | 1.2 | 18  | 6.0  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..14E             |     | 3.4 | 17  | 6.4  |     |     |     | •   |     |     |     |     |     |     |     |     |
| 48N15E            |     | 1.3 | 14  | 6.8  |     |     |     | •   |     |     |     |     |     |     |     |     |
| 49N8E             |     | 2.7 | 16  | 7.2  |     |     |     | •   |     |     |     |     |     |     |     |     |
| ..9E              |     | 1.2 | 13  | 7.2  |     |     |     | •   |     |     |     |     |     |     |     |     |
| 49N11E            |     | 1.0 | 10  | 4.5  |     |     |     | •   |     |     |     |     |     |     |     |     |

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SEP 19 1980  
J. S. [Signature]

[Large handwritten signature over bottom right corner]

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COMP.

Holt Engrg.

PROJECT No.:

104

ATTENTION:

Ed Holt

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

FILE No. 0-839

DATE: Sept. 18

1980.

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>95 | 25<br>100 | 30<br>105 | 35<br>110 | 40<br>115 | 45<br>120 | 50<br>125 | 55<br>130 | 60<br>135 | Mn<br>140 | Au<br>145 | 70<br>150 | 75<br>155 | 80<br>160 |
|-------------------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4.9N12.E          |         |          | 11       | 22       | 13.8      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..13.E            |         |          | 17       | 24       | 9.9       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..14.E            |         |          | 17       | 24       | 9.8       |           |           |           | •         |           |           |           |           |           |           |           |           |
| 4.9N15.E          |         |          | 13       | 23       | 14.9      |           |           |           | •         |           |           |           |           |           |           |           |           |
| 5.0N7.E           |         |          | 17       | 14       | 6.7       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..8.E             |         |          | 7        | 14       | 7.2       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..9.E             |         |          | 11       | 24       | 8.5       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..10.E            |         |          | 10       | 23       | 6.5       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..11.E            |         |          | 5.0      | 3.6      | 19.0      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..12.E            |         |          | 11       | 2.6      | 29.0      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..13.E            |         |          | 12       | 2.1      | 10.0      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..14.E            |         |          | 12       | 2.1      | 6.9       |           |           |           | •         |           |           |           |           |           |           |           |           |
| 5.0N15.E          |         |          | 11       | 17       | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |           |
| 4.7N7.E           |         |          | 14       | 24       | 7.9       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..8.E             |         |          | 8        | 18       | 5.5       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..9.E             |         |          | 12       | 23       | 7.0       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..10.E            |         |          | 20       | 26       | 16.0      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..11.E            |         |          | 9        | 19       | 5.5       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..12.E            |         |          | 10       | 19       | 11.6      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..13.E            |         |          | 12       | 16       | 6.4       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..14.E            |         |          | 24       | 38       | 19.0      |           |           |           | •         |           |           |           |           |           |           |           |           |
| 4.7N15.E          |         |          | 12       | 30       | 37.9      |           |           |           | •         |           |           |           |           |           |           |           |           |
| 3.4N20.E          |         |          | 2.0      | 13       | 6.1       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..21.E            |         |          | 2.0      | 14       | 11.8      |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..22.E            |         |          | 2.0      | 16       | 5.9       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..23.E            |         |          | 1.8      | 16       | 6.8       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..24.E            |         |          | 4.3      | 16       | 4.1       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..25.E            |         |          | 1.9      | 16       | 4.2       |           |           |           | •         |           |           |           |           |           |           |           |           |
| ..26.E            |         |          | 1.0      | 15       | 7.5       |           |           |           | •         |           |           |           |           |           |           |           |           |
| 3.4N27.E          |         |          | 2.5      | 13       | 8.5       |           |           |           | •         |           |           |           |           |           |           |           |           |

(20mesh)

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COMP. Holt Engrg.

PROJECT No.: 104

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

File No. 0-839

DATE: Sept. 18

1980.

ATTENTION: Ed Holt

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>95 | 25<br>100 | 30<br>105 | 35<br>110 | 40<br>115 | 45<br>120 | 50<br>125 | 55<br>130 | 60<br>135 | 65<br>140 | 70<br>145 | 75<br>150 | 80<br>155 |  |
|-------------------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| 5.2N8E            |         |          | 8        | 6        | 42        |           |           |           |           |           |           |           |           |           |           |           |  |
| ..9E              |         |          | 9        | 14       | 46        |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..10E             |         |          | 1.8      | 2.2      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..11E             |         |          | 1.2      | 1.4      | 8.0       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..12E             |         |          | 1.0      | 1.3      | 5.0       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..13E             |         |          | 1.0      | 1.7      | 4.4       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..14E             |         |          | 1.0      | 1.7      | 8.2       |           |           |           | •         |           |           |           |           |           |           |           |  |
| 5.2N15E           |         |          | 4.8      | 3.8      | 134       |           |           |           | •         |           |           |           |           |           |           |           |  |
| 4.6N7E            |         |          | 8        | 3.3      | 8.5       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..8E              |         |          | 1.5      | 2.2      | 100       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..9E              |         |          | 1.6      | 1.9      | 6.4       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..10E             |         |          | 2.0      | 2.0      | 15.0      |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..11E             |         |          | 1.6      | 3.4      | 210       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..12E             |         |          | 1.2      | 1.8      | 11.0      |           |           |           | •         |           |           |           |           |           |           |           |  |
| 4.6N13E           |         |          | 9.4      | 3.6      | 14.5      |           |           |           | •         |           |           |           |           |           |           |           |  |
| 4.6N15E           |         |          | 1.5      | 1.7      | 7.8       |           |           |           | •         |           |           |           |           |           |           |           |  |
| 5.1N7E            |         |          | 8        | 9        | 3.9       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..8E              |         |          | 1.1      | 1.0      | 7.0       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..9E              |         |          | 9        | 10       | 7.4       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..10E             |         |          | 1.8      | 1.0      | 9.2       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..11E             |         |          | 1.0      | 1.5      | 7.2       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..12E             |         |          | 1.2      | 1.4      | 7.6       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..13E             |         |          | 1.7      | 1.5      | 10.4      |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..14E             |         |          | 1.2      | 1.8      | 10.6      |           |           |           | •         |           |           |           |           |           |           |           |  |
| 5.1N15E           |         |          | 12.0     | 4.8      | 38.0      |           |           |           | •         |           |           |           |           |           |           |           |  |
| 3.5N20E           |         |          | 2.5      | 1.5      | 5.9       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..21E             |         |          | 1.4      | 1.0      | 5.6       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..22E             |         |          | 1.5      | 1.4      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |  |
| ..23E             |         |          | 1.6      | 1.3      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |  |
| 3.5N24E           |         |          | 2.4      | 1.7      | 6.6       |           |           |           | •         |           |           |           |           |           |           |           |  |

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R. Holt

COMP.: Holt Engrg.  
PROJECT No.: 104

## GEOCHEMICAL ANALYSIS DATA SHEET

Film No. 0-839

DATE: Sept. 18

ATTENTION: Ed Holt

MIN-EN Laboratories Ltd.

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

ATTENTION: Ed Holt

1980.

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# **MIN-EN Laboratories Ltd.**

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814

## **ANALYTICAL REPORT**

Project 104 Date of report Sept. 16/80.

File No. 0-772 Date samples received Sept. 5/80.

Samples submitted by: Ed Holt

Company: Holt Engrg.

Report on: 156 soils Geochem samples

Assay samples

Copies sent to:

1. Holt Engrg., North Vancouver, B.C.
2. ....
3. ....

Samples: Sieved to mesh -80 Ground to mesh .....

Prepared samples stored  discarded

rejects stored  discarded

Methods of analysis: nitric, perchloric digestion.A.A.Analysis.

Remarks: .....

COMPAN.

Holt Engrg.

PROJECT No.:

104

ATTENTION:

Ed Holt

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

FILE No. 0-772

DATE: Sept. 16

1980.

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>95 | 25<br>100 | 30<br>105 | 35<br>110 | 40<br>115 | 45<br>120 | 50<br>125 | 55<br>130 | 60<br>135 | Mn<br>ppm | Au<br>ppb | 65<br>140 | 70<br>145 | 75<br>150 | 80<br>155 |          |
|-------------------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| 19N20E            |         |          | 2.3      | 1.6      | 17.2      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 21E               |         |          | 2.9      | 1.8      | 14.2      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 22E               |         |          | 2.2      | 1.8      | 7.4       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 23E               |         |          | 1.9      | 1.4      | 10.8      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 24E               |         |          | 1.7      | 1.4      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 25E               |         |          | 2.0      | 1.4      | 5.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 26E               |         |          | 2.4      | 1.2      | 8.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 27E               |         |          | 4.9      | 1.9      | 9.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (40mesh) |
| 28E               |         |          | 1.2      | 9        | 3.9       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 29E               |         |          | 5.4      | 1.6      | 7.9       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20mesh) |
| 30E               |         |          | 1.4      | 1.4      | 4.7       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 31E               |         |          | 2.2      | 1.1      | 10.6      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 19N33E            |         |          | 2.1      | 1.5      | 10.0      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 23N22E            |         |          | 1.4      | 1.5      | 4.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 24E               |         |          | 1.8      | 1.7      | 5.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 25E               |         |          | 4.0      | 1.9      | 8.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20mesh) |
| 26E               |         |          | 1.4      | 9        | 4.4       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 32E               |         |          | 1.6      | 1.2      | 4.7       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 23N33E            |         |          | 5.8      | 1.4      | 13.9      |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20mesh) |
| 26N15E            |         |          | 2.1      | 1.6      | 8.1       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 16E               |         |          | 3.6      | 1.9      | 10.0      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 17E               |         |          | 1.8      | 1.6      | 14.5      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 18E               |         |          | 1.5      | 1.6      | 13.4      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 19E               |         |          | 2.4      | 1.4      | 10.6      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 20E               |         |          | 2.9      | 1.7      | 14.8      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 21E               |         |          | 1.6      | 1.3      | 6.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 22E               |         |          | 1.8      | 1.4      | 14.8      |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |
| 23E               |         |          | 2.5      | 1.3      | 6.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20mesh) |
| 26N24E            |         |          | 14       | 1.2      | 5.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |          |

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COMPANY: Holt Engrg.  
PROJECT No.: 104

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

F.I. No. 0-772

DATE: Sept. 16

ATTENTION: Ed Holt

1980.

| Sample Number | 6  | 10 | 15 | 20 | 25  | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  |          |
|---------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|
|               | 81 | 86 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160      |
| 2.6N2.5E      |    |    | 15 | 13 | 46  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.6E          |    |    | 16 | 14 | 62  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.7E          |    |    | 27 | 15 | 95  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.8E          |    |    | 9  | 13 | 43  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.9E          |    |    | 13 | 16 | 42  |     |     |     |     |     |     |     |     |     |     |     |          |
| 3.0E          |    |    | 20 | 18 | 94  |     |     |     |     |     |     |     |     |     |     |     |          |
| 3.1E          |    |    | 14 | 14 | 39  |     |     |     |     |     |     |     |     |     |     |     |          |
| 3.2E          |    |    | 15 | 12 | 42  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.6N3.3E      |    |    | 19 | 15 | 75  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.7N1.5E      |    |    | 18 | 12 | 81  |     |     |     |     |     |     |     |     |     |     |     |          |
| 1.6E          |    |    | 55 | 21 | 106 |     |     |     |     |     |     |     |     |     |     |     |          |
| 1.7E          |    |    | 40 | 24 | 114 |     |     |     |     |     |     |     |     |     |     |     |          |
| 1.8E          |    |    | 22 | 16 | 54  |     |     |     |     |     |     |     |     |     |     |     |          |
| 1.9E          |    |    | 13 | 9  | 59  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.0E          |    |    | 16 | 15 | 68  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.1E          |    |    | 49 | 19 | 65  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.2E          |    |    | 12 | 12 | 48  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.3E          |    |    | 15 | 16 | 74  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.4E          |    |    | 14 | 11 | 38  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.5E          |    |    | 18 | 14 | 71  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.6E          |    |    | 15 | 14 | 44  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.7E          |    |    | 15 | 16 | 51  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.8E          |    |    | 23 | 16 | 98  |     |     |     |     |     |     |     |     |     |     |     | (40mesh) |
| 2.9E          |    |    | 10 | 10 | 45  |     |     |     |     |     |     |     |     |     |     |     |          |
| 3.0E          |    |    | 21 | 20 | 120 |     |     |     |     |     |     |     |     |     |     |     |          |
| 3.1E          |    |    | 16 | 14 | 59  |     |     |     |     |     |     |     |     |     |     |     |          |
| 3.2E          |    |    | 8  | 15 | 43  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.7N3.3E      |    |    | 19 | 15 | 55  |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.8N1.5E      |    |    | 22 | 17 | 123 |     |     |     |     |     |     |     |     |     |     |     |          |
| 2.8N1.6E      |    |    | 15 | 15 | 49  |     |     |     |     |     |     |     |     |     |     |     |          |

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COMP.

Holt Engrg.

PROJECT No.: 104

ATTENTION: Ed Holt

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

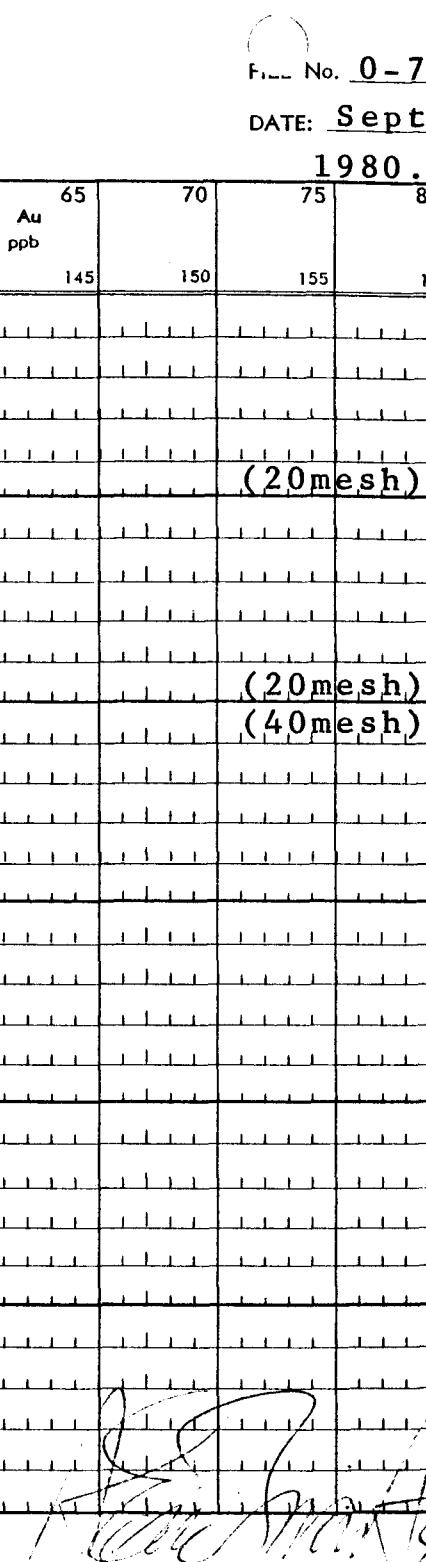
FILE No. 0-772

DATE: Sept. 16

1980.

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>95 | 25<br>100 | 30<br>105 | 35<br>110 | 40<br>115 | 45<br>120 | 50<br>125 | 55<br>130 | 60<br>135 | 65<br>140 | 70<br>145 | 75<br>150 | 80<br>155 |          |
|-------------------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| 28N17E            |         |          | 2.5      | 2.3      | 17.5      |           |           |           | •         |           |           |           |           |           |           |           |          |
| 18E               |         |          | 2.0      | 1.5      | 7.0       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 19E               |         |          | 1.6      | 1.6      | 9.5       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 20E               |         |          | 2.8      | 2.3      | 8.4       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 21E               |         |          | 2.5      | 2.0      | 5.2       |           |           |           | •         |           |           |           |           |           |           |           | (20mesh) |
| 22E               |         |          | 1.8      | 1.4      | 4.0       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 23E               |         |          | 1.8      | 1.8      | 10.0      |           |           |           | •         |           |           |           |           |           |           |           |          |
| 24E               |         |          | 1.6      | 1.5      | 4.8       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 25E               |         |          | 1.1      | 1.5      | 4.9       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 26E               |         |          | 1.8      | 1.6      | 12.8      |           |           |           | •         |           |           |           |           |           |           |           | (20mesh) |
| 27E               |         |          | 2.4      | 1.9      | 9.1       |           |           |           | •         |           |           |           |           |           |           |           | (40mesh) |
| 28E               |         |          | 1.1      | 1.6      | 4.2       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 29E               |         |          | 1.2      | 1.4      | 4.3       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 30E               |         |          | 1.7      | 1.5      | 7.6       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 31E               |         |          | 1.6      | 1.3      | 4.2       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 32E               |         |          | 1.1      | 1.6      | 12.8      |           |           |           | •         |           |           |           |           |           |           |           |          |
| 28N33E            |         |          | 1.9      | 1.4      | 13.0      |           |           |           | •         |           |           |           |           |           |           |           |          |
| 29N15E            |         |          | 1.4      | 1.3      | 4.0       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 16E               |         |          | 1.6      | 1.8      | 5.4       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 17E               |         |          | 1.8      | 1.5      | 4.4       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 18E               |         |          | 1.8      | 1.7      | 11.3      |           |           |           | •         |           |           |           |           |           |           |           |          |
| 19E               |         |          | 1.6      | 1.8      | 7.5       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 20E               |         |          | 1.8      | 1.8      | 8.6       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 21E               |         |          | 1.5      | 1.8      | 20.6      |           |           |           | •         |           |           |           |           |           |           |           |          |
| 22E               |         |          | 1.8      | 1.5      | 3.6       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 23E               |         |          | 1.2      | 1.4      | 6.1       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 24E               |         |          | 1.3      | 1.4      | 8.1       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 25E               |         |          | 2.0      | 1.5      | 4.8       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 26E               |         |          | 1.4      | 1.3      | 4.5       |           |           |           | •         |           |           |           |           |           |           |           |          |
| 29N27E            |         |          | 1.4      | 1.8      | 9.2       |           |           |           | •         |           |           |           |           |           |           |           |          |

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Holt Engrg.

PROJECT No.:

104

FILE No. 0-772

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

DATE: Sept. 16

ATTENTION:

Ed Holt

1980.

| Sample.<br>Number | 6<br>81 | 10<br>86 | 15<br>90 | 20<br>95 | 25<br>100 | 30<br>105 | 35<br>110 | 40<br>115 | 45<br>120 | 50<br>125 | 55<br>130 | 60<br>135 | Mn<br>ppm | Au<br>ppb | 65<br>140 | 70<br>145 | 75<br>150 | 80<br>155 |           |
|-------------------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 29N28E            |         |          | 1.3      | 1.7      | 3.9       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 29E               |         |          | 1.7      | 1.3      | 4.6       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 30E               |         |          | 1.2      | 1.4      | 4.5       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 31E               |         |          | 1.2      | 1.6      | 9.3       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 32E               |         |          | 4.1      | 2.1      | 5.3       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 29N33E            |         |          | 2.3      | 2.0      | 6.9       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 30N15E            |         |          | 7        | 1.6      | 4.5       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 16E               |         |          | 1.0      | 1.7      | 4.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 17E               |         |          | 1.0      | 1.6      | 4.4       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 18E               |         |          | 1.3      | 1.5      | 5.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 19E               |         |          | 1.3      | 1.7      | 6.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 20E               |         |          | 2.9      | 2.4      | 28.6      |           |           |           | •         |           |           |           |           |           |           |           |           |           | (40 mesh) |
| 21E               |         |          | 1.7      | 1.8      | 19.4      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 22E               |         |          | 1.4      | 1.7      | 24.2      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 23E               |         |          | 7        | 1.5      | 3.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 24E               |         |          | 1.4      | 1.9      | 4.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 25E               |         |          | 2.2      | 1.6      | 11.3      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 26E               |         |          | 1.6      | 1.5      | 5.7       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 27E               |         |          | 1.6      | 1.9      | 11.3      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 28E               |         |          | 2.3      | 1.8      | 6.3       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20 mesh) |
| 29E               |         |          | 1.7      | 1.6      | 6.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 30E               |         |          | 1.4      | 1.7      | 11.4      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 31E               |         |          | 1.4      | 1.6      | 5.7       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 32E               |         |          | 2.1      | 1.8      | 8.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 30N33E            |         |          | 1.2      | 1.6      | 4.5       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 31N15E            |         |          | 1.7      | 2.0      | 10.2      |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 16E               |         |          | 1.1      | 1.5      | 8.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 17E               |         |          | 15.7     | 1.6      | 4.0       |           |           |           | •         |           |           |           |           |           |           |           |           |           | (20 mesh) |
| 18E               |         |          | 1.3      | 1.6      | 8.2       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |
| 31N19E            |         |          | 1.5      | 1.4      | 5.8       |           |           |           | •         |           |           |           |           |           |           |           |           |           |           |

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R. MCNAUL

COMP. Holt Engrg.PROJECT No.: 104ATTENTION: Ed Holt

## GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814FILE No. 0-772DATE: Sept. 16  
1980.

| Sample.<br>Number | 6         | 10  | 15        | 20        | 25        | 30        | 35        | 40        | 45        | 50        | 55        | 60        | 65        | 70  | 75  | 80  |
|-------------------|-----------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|
|                   | Mo<br>ppm | ppm | Cu<br>ppm | Pb<br>ppm | Zn<br>ppm | Ni<br>ppm | Co<br>ppm | Ag<br>ppm | Fe<br>ppm | Hg<br>ppb | As<br>ppm | Mn<br>ppm | Au<br>ppb |     |     |     |
| 81                | 86        | 90  | 95        | 100       | 105       | 110       | 115       | 120       | 125       | 130       | 135       | 140       | 145       | 150 | 155 | 160 |
| 31N20E            |           |     | 1.6       | 1.2       | 4.9       |           |           | •         |           |           |           |           |           |     |     |     |
| 21E               |           |     | 1.9       | 1.8       | 8.2       |           |           | •         |           |           |           |           |           |     |     |     |
| 22E               |           |     | 6         | 1.3       | 3.9       |           |           | •         |           |           |           |           |           |     |     |     |
| 23E               |           |     | 1.5       | 1.6       | 21.5      |           |           | •         |           |           |           |           |           |     |     |     |
| 24E               |           |     | 1.8       | 1.9       | 7.7       |           |           | •         |           |           |           |           |           |     |     |     |
| 25E               |           |     | 1.3       | 1.5       | 8.2       |           |           | •         |           |           |           |           |           |     |     |     |
| 26E               |           |     | 5         | 1.6       | 4.5       |           |           | •         |           |           |           |           |           |     |     |     |
| 27E               |           |     | 2.3       | 1.9       | 9.5       |           |           | •         |           |           |           |           |           |     |     |     |
| 28E               |           |     | 1.5       | 1.2       | 4.9       |           |           | •         |           |           |           |           |           |     |     |     |
| 29E               |           |     | 1.4       | 1.2       | 4.3       |           |           | •         |           |           |           |           |           |     |     |     |
| 30E               |           |     | 1.4       | 1.4       | 11.5      |           |           | •         |           |           |           |           |           |     |     |     |
| 31E               |           |     | 1.7       | 1.3       | 4.2       |           |           | •         |           |           |           |           |           |     |     |     |
| 32E               |           |     | 2.0       | 1.6       | 5.8       |           |           | •         |           |           |           |           |           |     |     |     |
| 31N33E            |           |     | 1.5       | 1.5       | 10.2      |           |           | •         |           |           |           |           |           |     |     |     |
| 32N20E            |           |     | 10        | 1.3       | 4.7       |           |           | •         |           |           |           |           |           |     |     |     |
| 21E               |           |     | 1.5       | 1.3       | 10.9      |           |           | •         |           |           |           |           |           |     |     |     |
| 22E               |           |     | 4.2       | 1.5       | 9.3       |           |           | •         |           |           |           |           |           |     |     |     |
| 23E               |           |     | 2.2       | 1.6       | 27.5      |           |           | •         |           |           |           |           |           |     |     |     |
| 24E               |           |     | 2.2       | 1.5       | 5.8       |           |           | •         |           |           |           |           |           |     |     |     |
| 25E               |           |     | 2.2       | 1.7       | 18.4      |           |           | •         |           |           |           |           |           |     |     |     |
| 26E               |           |     | 2.3       | 1.5       | 7.1       |           |           | •         |           |           |           |           |           |     |     |     |
| 27E               |           |     | 1.4       | 1.1       | 4.2       |           |           | •         |           |           |           |           |           |     |     |     |
| 28E               |           |     | 2.8       | 1.5       | 9.2       |           |           | •         |           |           |           |           |           |     |     |     |
| 29E               |           |     | 1.2       | 1.6       | 4.7       |           |           | •         |           |           |           |           |           |     |     |     |
| 30E               |           |     | 1.5       | 1.7       | 5.1       |           |           | •         |           |           |           |           |           |     |     |     |
| 31E               |           |     | 1.8       | 1.4       | 4.7       |           |           | •         |           |           |           |           |           |     |     |     |
| 32E               |           |     | 2.4       | 1.4       | 7.1       |           |           | •         |           |           |           |           |           |     |     |     |
| 32N33E            |           |     | 1.9       | 1.9       | 6.2       |           |           | •         |           |           |           |           |           |     |     |     |
| 33N20E            |           |     | 1.1       | 1.6       | 4.3       |           |           | •         |           |           |           |           |           |     |     |     |
| 33N21E            |           |     | 1.4       | 1.1       | 6.9       |           |           | •         |           |           |           |           |           |     |     |     |

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*[Handwritten signature]*

COMP. Holt Engrg.

File No. 0-772

PROJECT No.: 104

## GEOCHEMICAL ANALYSIS DATA SHEET

**MIN - EN Laboratories Ltd.**

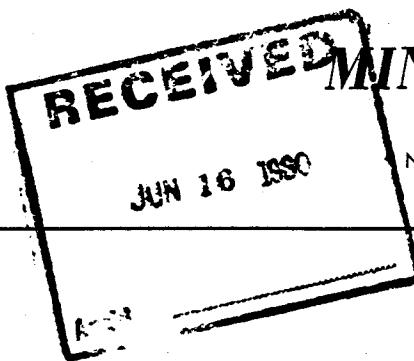
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

DATE: Sept. 16

ATTENTION: Ed Holt

1980.

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# MIN-EN Laboratories Ltd.

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814

## ANALYTICAL REPORT

Project ..... Date of report ..... June 13/80.

File No. 0-271 Date samples received June 10/80.

Samples submitted by: Ed Holt

Company: Holt Engrg.

Report on: 18 H.M. Geochem samples

Assay samples

Copies sent to:

1. Holt Engrg., North Vancouver, B.C.
2. ....
3. ....

Samples: Sieved to mesh ..... Ground to mesh .....

Prepared samples stored  discarded

rejects stored  discarded

Methods of analysis: Specific gravity flotation and routine geochem analysis.

Remarks: .....

# MIN-EN Laboratories Ltd.

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814

RECEIVED

SEP 11 1980

Ans'd.....

## ANALYTICAL REPORT

Project ..... 104 ..... Date of report ..... Sept. 10/80 .....

File No. ..... 0-772 ..... Date samples received ..... Sept. 3/80 .....

Samples submitted by: ..... Ed Holt .....

Company: ..... Holt Engrg. ....

Report on: ..... 5 rock ..... Geochem samples

..... 2 ..... Assay samples

Copies sent to:

1. ..... Holt Engrg., North Vancouver, B.C. ....
2. ....
3. ....

Samples: Sieved to mesh ..... Ground to mesh ..... -80 geochem ..... -100 assay

Prepared samples stored  discarded

rejects assay stored  discarded  geochem

Methods of analysis: ..... Geochem-nitric, perchloric digestion.A.A. Analysis

Assay-Cu, Ag-Acid digestion-chemical analysis...Au-Fire and  
A.A. Analysis Finish.

Remarks: .....

COMP. Holt Engrg.

PROJECT No.: 104

# GEOCHEMICAL ANALYSIS DATA SHEET

FILE No. 0-772

DATE: Sept. 10

ATTENTION: Ed Holt

**MIN - EN Laboratories Ltd.**

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1980.

MIN-EN LABORATORIES LTD.

705 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
Phone: 980-5814

## Certificate of Assay

TO: Holt Engrg.,  
4091 St. Albans Ave.,  
North Vancouver. B.C.

PROJECT No. 104

DATE Sept. 10/80.

File No. 0-772

MIN-EN Laboratories Ltd

**CERTIFIED BY**

# **MIN-EN Laboratories Ltd.**

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814

## **ANALYTICAL REPORT**

Project ..... 104 ..... Date of report ..... July 25/80 .....

File No. ..... 0-507 ..... Date samples received ..... July 21/80 .....

Samples submitted by: ..... Ed Holt .....

Company: ..... Holt Engrg. ....

Report on: ..... Geochem samples

..... 2 ..... Assay' samples

Copies sent to:

1. .... Holt Engrg., North Vancouver, B.C. ....
2. ....
3. ....

Samples: Sieved to mesh ..... Ground to mesh ..... -100 .....

Prepared samples      stored       discarded

rejects      stored       discarded

Methods of analysis: .... Cu, Rb Zn, Ag-Acid digestion-chemical analysis..

..... Au-Fire and A.A. Finish.

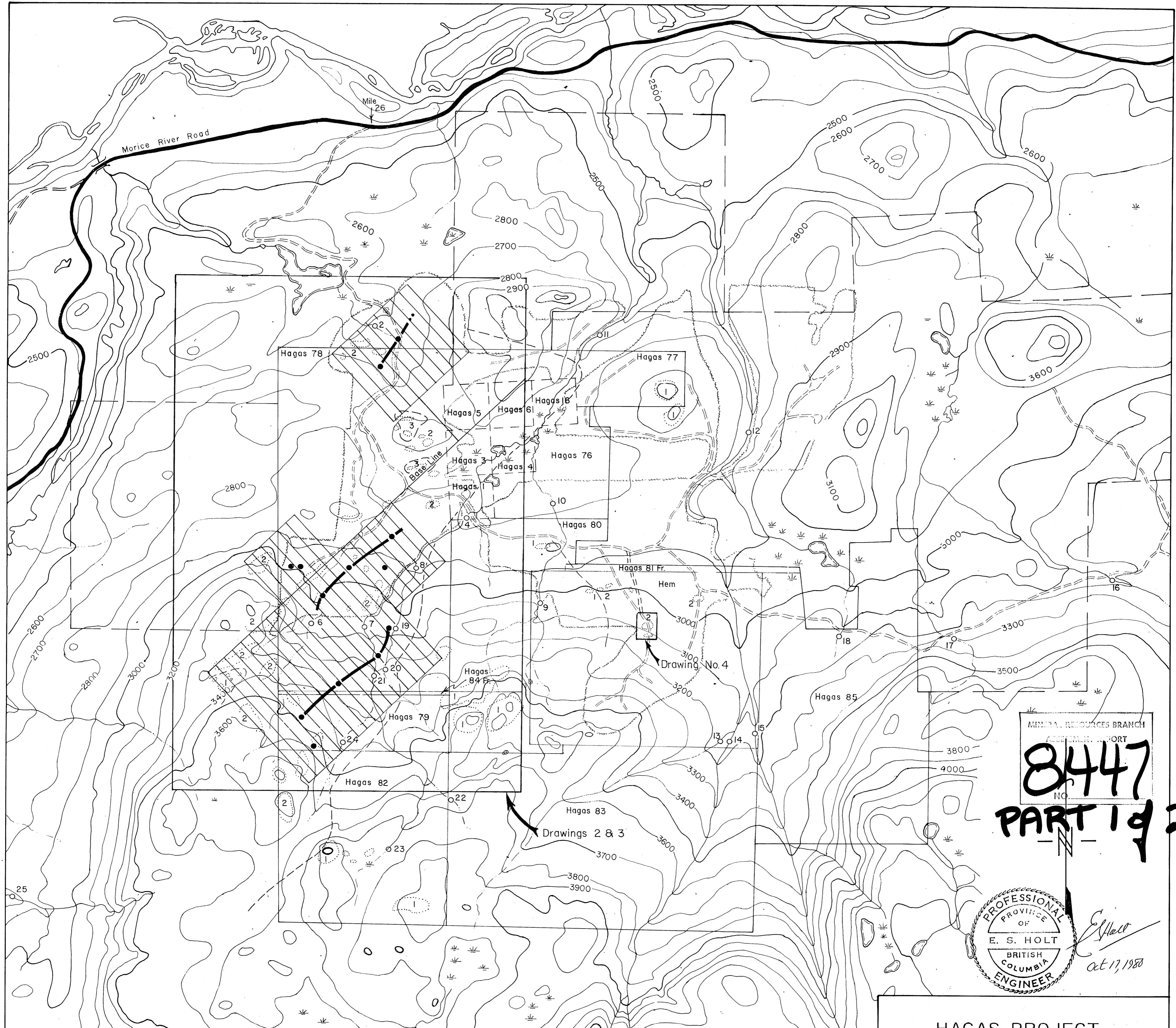
Remarks: .....

**Certificate of Assay**

TO: Holt Engrg., PROJECT No. 104  
4091 St. Albans Ave., DATE July 25/80  
North Vancouver, B.C. File No. 0-507

MIN-EN Laboratories Ltd.

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1 Outcrop area  
 2 Buck Creek Volcanics  
 3 Hazelton Volcanics  
 4 Gabbro Intrusive

15 Silt sample location and sample number  
 ● Airborne geophysical conductor  
 — 1980 control grid outline  
 - - Geologic Contact  
 — Hagas claim group

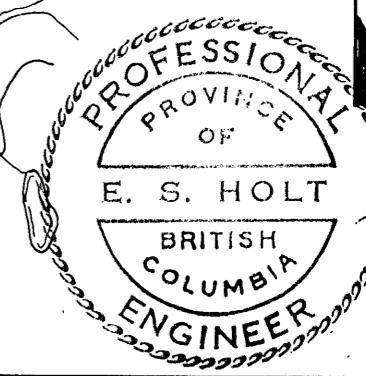
## HAGAS PROJECT 1980 EXPLORATION

0 1000 2000 Mr  
Scale 1:20,000

Holt Engineering Ltd.

Drawing No. I

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8447**  
NO.  
**PART 1q2**



E. Holt  
Oct 17, 1980

