



42E13NE0019 2.11944 CASTLEWOOD LAKE

010

GEOCHEMICAL REPORT
CONGLOMERATE LAKE PROPERTY

FOR
HIGH FRONTIER RESOURCES

RECEIVED

DEC 16 1988

MINING LANDS SECTION

By: R.D. Middaugh
Phantom Exploration Services Ltd.



42E13N E0019 2.11944 CASTLEWOOD LAKE

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APPENDIX 1: LIST OF CLAIMS

LIST OF MAPS:

1. GEOCHEMICAL SURVEY (GOLD)
2. GEOCHEMICAL SURVEY (MOLOYBDENUM)
3. GEOCHEMICAL SURVEY (ARSENIC)

INTRODUCTION

High Frontier Resources of Val d'Or, Quebec contracted Phantom Exploration Services Ltd. of Thunder Bay, Ontario to carry out a soil sampling program on their Conglomerate Lake property during the summer of 1988.

LOCATION, ACCESS AND GRIDDING

The property is located approximately 30 kilometers to the north of the village of Jellicoe in Northwestern Ontario. Access to the claim group is provided by turning north off of Highway #11, 7 kilometers east of Jellicoe at Kinghorn station, and travelling 60 kilometers to a dirt road that leads directly west 4 kilometers to the property. The claim group itself is situated south of Conglomerate Lake, to the west of Onaman Lake.

The property consists of 8 patented claims and 28 unpatented mining claims (a complete list of claims is included in Appendix 1) located in the Thunder Bay Mining Division.

The grid was established by Phantom Exploration Services Ltd. in conjunction with A. T. L. Exploration. The base line was oriented east-west, while the north-south wing lines were cut at 100 meter intervals along it. Approximately 48 kilometers of line was cut, chained and picketed at 25 meter intervals.

PERSONNEL

The day to day work was carried out by company employees, while the overall supervision of the geochemical survey was provided by R.D. Middaugh also of Phantom Exploration Services Ltd.

METHOD

Soil samples of approximately 300 grams were collected where possible from the "B" horizon at each 25 meter interval on the grid. These samples were subsequently sent to Bondar Clegg in Ottawa, Ontario for analyses of Au, Mo, and As. The results, expressed in ppb, were then plotted on maps in plan form at a scale of 1:2500.

DISCUSSION OF RESULTS

A few anomalous values are present for each of the three elements, but they do not seem to be related to each other. Unfortunately a high portion of the ground is either covered by wet swampy ground and hence was not sampled or the soil consisted of glacial clays which by their nature and origin are not indicative of the geology or any possible economic horizons located on the property.

CONCLUSIONS AND RECOMMENDATIONS

The geochemical survey does not outline any definite or anomalous trends on the property. The three elements do not seem to be associated with each other in those anomalous samples that were found. The distribution pattern or lack of it is probably related to the soil types found on the property.

Lithographic and quaternary geological mapping and prospecting should be carried out in order to better evaluate the results and the economic potential of the property. Depending on the geological model being used for the property, geophysical surveys such as magnetometer and/or VLF surveys might be considered as possible exploration alternatives.

Subsequent to the above recommendations, a drill program should be considered to test any resulting target areas.

Submitted by:
Phantom Exploration Services Ltd.


R.D. Middaugh
Geologist

LIST OF CLAIMS COVERED BY THIS REPORT

TB 41748
TB 41749
TB 41751
TB 41752
TB 41769
TB 41758
TB 41922
TB 41944
TB 880136
TB 880137
TB 880138
TB 880139
TB 880140
TB 880141
TB 880142
TB 880143
TB 880144
TB 880145
TB 880146
TB 880147
TB 880148
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TB 880158
TB 880159
TB 880160
TB 880161
TB 880162
TB 880163

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Geochemical
Lab Report

REPORT: 083-52805.0 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: K. MIDDLETON
DATE PUBLISHED: 7-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|---------|--------------------|-----------------------|------------------------------|----------------------|
| 1 | Mo | 240 | 1 PPB | HCl-HNO ₃ , (1:3) | Atomic Absorption |
| 2 | Au | 240 | 5 PPB | AQUA-2551A | FA-AA @ 10 gm weight |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS | NUMBER |
|--------------|--------|----------------|--------|---------------------|--------|
| SOIL | 240 | -60 | 240 | Dry,Sieve -60 | 240 |

REMARKS: SAMPLE L4-310 WAS RETESTED FOR AU. THE RESULTS
ARE AS FOLLOWS: 680 PPB / 873 PPB.

REPORT COPIES TO: MR. JOHN PIKE
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INVOICE TO: MR. JOHN PIKE

REPORT: 060-52805.0

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPM | SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPM |
|---------------|---------------|--------|--------|---------------|---------------|--------|--------|
| L1E-6+50N | Q | 5 | | L1E-4+75N | Q | 5 | |
| L1E-6+25N | Q | 5 | | L1E-5+00S | 2 | 5 | |
| L1E-6+00N | Q | 5 | | L1E-5+25S | Q | 5 | |
| L1E-5+75N | Q | 5 | | L2E-6+25N | Q | 5 | |
| L1E-5+50N | Q | 5 | | L2E-6+00N | Q | 5 | |
| L1E-5+25N | Q | 5 | | L2E-5+75N | Q | 5 | |
| L1E-5+00N | 1 | 5 | | L2E-5+50N | Q | 5 | |
| L1E-4+75N | Q | 5 | | L2E-5+25N | Q | 5 | |
| L1E-4+50N | Q | 5 | | L2E-5+00N | Q | 5 | |
| L1E-4+25N | Q | 5 | | L2E-4+75N | Q | 5 | |
| L1E-4+00N | Q | 5 | | L2E-4+50N | Q | 5 | |
| L1E-3+75N | Q | 5 | | L2E-4+25N | Q | 5 | |
| L1E-3+50N | Q | 5 | | L2E-4+00N | Q | 5 | |
| L1E-3+25N | Q | 5 | | L2E-3+75N | Q | 5 | |
| L1E-3+00N | Q | 5 | | L2E-3+50N | 1 | 12 | |
| L1E-2+00N | 1 | 5 | | L2E-3+25N | Q | 5 | |
| L1E-1+75N | Q | 5 | | L2E-3+00N | 1 | 5 | |
| L1E-1+50N | 1 | 5 | | L2E-2+75N | Q | 5 | |
| L1E-1+25N | Q | 5 | | L2E-2+50N | Q | 9 | |
| L1E-1+00N | Q | 5 | | L2E-2+25N | Q | 13 | |
| L1E-0+75N | 1 | 5 | | L2E-0+75N | Q | 5 | |
| L1E-0+50N | Q | 5 | | L2E-0+50N | Q | 5 | |
| L1E-0+25S | Q | 5 | | L2E-0+25N | Q | 5 | |
| L1E-0+50S | Q | 5 | | L2E-0+00 | Q | 6 | |
| L1E-0+75S | Q | 5 | | L2E-0+25S | Q | 5 | |
| L1E-1+00S | Q | 5 | | L2E-0+00S | Q | 5 | |
| L1E-1+25S | Q | 5 | | L2E-0+75S | Q | 5 | |
| L1E-1+50S | Q | 5 | | L2E-1+75S | Q | 5 | |
| L1E-1+75S | Q | 5 | | L2E-2+25S | 1 | 5 | |
| L1E-2+00S | Q | 5 | | L2E-2+45S | Q | 5 | |
| L1E-2+25S | Q | 5 | | L2E-2+75S | Q | 5 | |
| L1E-2+50S | Q | 5 | | L2E-3+00S | 1 | 5 | |
| L1E-2+75S | 1 | 5 | | L2E-3+25S | 3 | 5 | |
| L1E-3+00S | 2 | 5 | | L2E-3+50S | 1 | 5 | |
| L1E-3+25S | Q | 5 | | L2E-3+75S | 1 | 5 | |
| L1E-3+50S | Q | 5 | | L3E-3+90N | Q | 5 | |
| L1E-3+75S | Q | 5 | | L3E-5+75N | Q | 5 | |
| L1E-4+00S | Q | 5 | | L3E-5+50N | Q | 5 | |
| L1E-4+25S | 1 | 5 | | L3E-5+25N | Q | 5 | |
| L1E-4+50S | Q | 5 | | L3E-5+00N | Q | 5 | |

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**Geochemical
Lab Report**

REPORT #: 088-52806.0

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPM | SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPM |
|------------------|------------------|-----------|-----------|------------------|------------------|-----------|-----------|
| L3E-4:75N | Q | 5 | | L4E-2:00N | Q | 7 | |
| L3E-4:50N | Q | 5 | | L4E-1:75N | 1 | 9 | |
| L3E-4:25N | Q | 5 | | L4E-1:50N | 6 | 20 | |
| L3E-4:00N | Q | 5 | | L4E-1:25N | Q | 6 | |
| L3E-3:75N | 2 | 5 | | L4E-1:00N | Q | 5 | |
| L3E-3:50N | Q | 5 | | L4E-0:50N | 2 | 5 | |
| L3E-3:25N | 3 | 5 | | L4E-BL0 | 7 | 781 | |
| L3E-3:00N | 2 | 5 | | L4E-0:25N | 1 | 7 | |
| L3E-2:75N | Q | 5 | | L4E-1:00S | Q | 5 | |
| L3E-2:50N | Q | 5 | | L4E-1:25S | Q | 5 | |
| L3E-2:25N | Q | 5 | | L4E-2:25S | Q | 5 | |
| L3E-2:00N | 1 | 9 | | L4E-7:00S | Q | 5 | |
| L3E-1:75N | 2 | 5 | | L3E-6:70N | Q | 5 | |
| L3E-1:50N | 1 | 5 | | L3E-6:50N | Q | 5 | |
| L3E-BL0 | 1 | 5 | | L3E-6:25N | Q | 5 | |
| L3E-0:25S | 3 | 5 | | L3E-6:00N | Q | 9 | |
| L3E-0:75S | Q | 5 | | L3E-5:75N | Q | 5 | |
| L3E-1:25S | Q | 5 | | L3E-5:50N | Q | 5 | |
| L3E-2:00S | Q | 5 | | L3E-5:25N | Q | 5 | |
| L3E-2:25S | Q | 5 | | L3E-5:00N | Q | 5 | |
| L3E-2:50S | Q | 5 | | L3E-4:75N | Q | 5 | |
| L3E-2:75S | Q | 5 | | L3E-4:50N | Q | 5 | |
| L4E-6:50N | Q | 5 | | L3E-4:25N | Q | 5 | |
| L4E-6:25N | Q | 5 | | L3E-4:00N | Q | 5 | |
| L4E-6:00N | Q | 5 | | L3E-3:75N | Q | 5 | |
| L4E-5:75N | Q | 5 | | L3E-3:50N | Q | 5 | |
| L4E-5:50N | Q | 5 | | L3E-3:25N | Q | 5 | |
| L4E-5:25N | Q | 5 | | L3E-3:00N | Q | 5 | |
| L4E-5:00N | Q | 5 | | L3E-2:75N | Q | 5 | |
| L4E-4:75N | Q | 5 | | L3E-2:50N | Q | 5 | |
| L4E-4:50N | Q | 5 | | L3E-2:25N | Q | 5 | |
| L4E-4:25N | Q | 5 | | L3E-2:00N | Q | 5 | |
| L4E-4:00N | Q | 5 | | L3E-1:75N | Q | 5 | |
| L4E-3:75N | Q | 5 | | L3E-1:50N | Q | 5 | |
| L4E-3:50N | Q | 5 | | L3E-0:25N | Q | 5 | |
| L4E-3:25N | Q | 5 | | L3E-0:00 | 1 | 5 | |
| L4E-3:00N | Q | 6 | | L3E-0:25S | Q | 5 | |
| L4E-2:75N | 1 | 5 | | L3E-0:50S | Q | 5 | |
| L4E-2:50N | 2 | 5 | | L3E-0:75S | Q | 5 | |
| L4E-2:25N | Q | 5 | | L3E-1:25S | Q | 5 | |

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**Geochemical
Lab Report**

REPORT: 088-52505.0

PROJECT: CONGLOMERATE

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| SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB | SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB |
|---------------|---------------|--------|--------|---------------|---------------|--------|--------|
| L6E-1:50S | Q | 5 | | L7E-4:25N | Q | 5 | |
| L6E-1:75S | Q | 5 | | L7E-4:00N | Q | 5 | |
| L6E-6:75N | Q | 5 | | L7E-3:75N | Q | 5 | |
| L6E-6:50N | Q | 5 | | L7E-3:50N | Q | 5 | |
| L6E-6:25N | Q | 5 | | L7E-3:25N | Q | 5 | |
| L6E-6:00N | Q | 5 | | L7E-3:00N | Q | 5 | |
| L6E-5:75N | Q | 5 | | L7E-2:75N | Q | 5 | |
| L6E-5:50N | Q | 5 | | L7E-2:50N | Q | 5 | |
| L6E-5:25N | Q | 5 | | L7E-2:25N | Q | 6 | |
| L6E-5:00N | Q | 5 | | L7E-2:00N | Q | 5 | |
| L6E-4:50N | Q | 5 | | L7E-1:75N | Q | 5 | |
| L6E-4:25N | Q | 5 | | L7E-1:50N | Q | 5 | |
| L6E-4:00N | Q | 5 | | L7E-1:25N | Q | 5 | |
| L6E-3:75N | Q | 5 | | L7E-0:50N | Q | 5 | |
| L6E-3:50N | Q | 5 | | L7E-0:25N | Q | 5 | |
| L6E-3:25N | Q | 5 | | L7E-0:00S | Q | 5 | |
| L6E-3:00N | Q | 7 | | L7E-3:00 | Q | 5 | |
| L6E-2:75N | Q | 5 | | L7E-0:25S | Q | 5 | |
| L6E-2:50N | Q | 5 | | L7E-0:50S | Q | 5 | |
| L6E-2:25N | Q | 5 | | L7E-0:75S | Q | 5 | |
| L6E-2:00N | Q | 5 | | L7E-1:00S | Q | 5 | |
| L6E-1:75N | Q | 5 | | L7E-1:25S | Q | 5 | |
| L6E-1:50S | Q | 5 | | L7E-1:50S | Q | 5 | |
| L6E-1:25S | Q | 5 | | L7E-1:75N | Q | 5 | |
| L6E-1:00S | Q | 5 | | L7E-1:50N | Q | 5 | |
| L6E-0:75S | Q | 5 | | L7E-1:25N | Q | 5 | |
| L6E-0:50S | Q | 5 | | L7E-0:50N | Q | 5 | |
| L6E-0:25S | Q | 5 | | L7E-0:25N | Q | 5 | |
| L6E-0:00S | Q | 5 | | L7E-0:00N | Q | 5 | |
| L6E-6:70N | Q | 3 | | L7E-4:75N | Q | 5 | |
| L7E-6:50N | Q | 5 | | L8E-4:50N | Q | 5 | |
| L7E-6:25N | Q | 5 | | L8E-4:25N | Q | 5 | |
| L7E-6:00N | Q | 5 | | L8E-4:00N | Q | 5 | |
| L7E-5:75N | Q | 13 | | L8E-3:75N | Q | 5 | |
| L7E-5:50N | Q | 6 | | L8E-3:50N | Q | 5 | |
| L7E-5:25N | Q | 5 | | L8E-3:25N | Q | 5 | |
| L7E-5:00N | Q | 5 | | L8E-3:00N | Q | 5 | |
| L7E-4:75N | Q | 5 | | L8E-1:25N | 2 | 5 | |
| L7E-4:50N | Q | 5 | | L8E-1:00N | 2 | 5 | |

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Geochemical
Lab Report

REPORT: 053-52305.0

PROJECT: CONCRETE

PAGE 4

| SAMPLE NUMBER | ELEMENT UNITS | No | Au | SAMPLE NUMBER | ELEMENT UNITS | No | Au |
|---------------|---------------|----|----|---------------|---------------|----|----|
| | | | | PPM | | | |
| LGL-0175N | g | 5 | | | | | |
| LGL-0150N | g | 5 | | | | | |
| LGL-0125N | g | 6 | | | | | |
| LGL-3L0 | g | 5 | | | | | |
| LGL-0125S | g | 27 | | | | | |
| | | | | | | | |
| LGL-0150S | g | 5 | | | | | |
| LGL-0175S | g | 5 | | | | | |
| LGL-1100S | g | 5 | | | | | |

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Geochemical
Lab Report

REPORT: 053-32336.0 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: K. MINGUAUGH
DATE PRINTED: 7-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | | EXTRACTION | METHOD |
|--------------|---------|---------------------|-----------------------|---------------------|------------------------------|-----------------------|
| | | | PPM | PPB | | |
| 1 | Mo | Molybdenum | 169 | 1 PPM | HCl-HNO ₃ , (1:3) | Atomic Absorption |
| 2 | Au | Gold | 139 | 5 PPB | AQUA REGIA | FA-AAS @ 10 gm weight |
| 3 | Au | Au Au weighs | 1 | 1 PPM | | |
| 4 | Testut | Fire Assay Test Wt. | 1 | 0.01 gms | | |
| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS | NUMBER | |
| SOIL | 169 | -60 | 169 | Dry,Sieve -60 | 0 | |

REMARKS: < MEANS LESS THAN

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REPORT: 088-52266.0

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB | Au Reu PPC | Testwt gas | SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB | Au Reu PPC | Testwt gas |
|------------------|------------------|-----------|-----------|---------------|---------------|------------------|------------------|-----------|-----------|---------------|---------------|
| L9E-6+50N | Q | G | | | | L10E-3+75N | Q | G | | | |
| L9E-6+25N | Q | S | | | | L10E-3+50N | Q | G | | | |
| L9E-6+00N | Q | G | | | | L10E-3+25N | Q | G | | | |
| L9E-5+75N | Q | G | | | | L10E-1+75N | 1 | G | | | |
| L9E-5+50N | Q | G | | | | L10E-1+50N | Q | G | | | |
| L9E-5+25N | Q | G | | | | L10E-1+25N | Q | G | | | |
| L9E-5+00N | 1 | G | | | | L10E-1+00N | Q | G | | | |
| L9E-4+75N | Q | G | | | | L10E-0+25S | 1 | G | | | |
| L9E-4+50N | Q | G | | | | L10E-0+50S | Q | G | | | |
| L9E-4+25N | Q | G | | | | L10E-0+75S | 1 | G | | | |
| L9E-4+00N | Q | G | | | | L10E-1+00S | Q | G | | | |
| L9E-3+75N | Q | G | | | | L10E-1+25S | Q | G | | | |
| L9E-3+50N | Q | G | | | | L10E-1+50S | Q | G | | | |
| L9E-3+25N | Q | S | | | | L10E-2+00S | Q | G | | | |
| L9E-3+00N | Q | G | | | | L10E-6+50S | Q | G | | | |
| L9E-2+50N | Q | G | | | | L11E-6+60N | 1 | G | | | |
| L9E-2+00N | Q | G | | | | L11E-6+50N | Q | G | | | |
| L9E-0+75N | Q | S | | | | L11E-6+25N | Q | G | | | |
| L9E-0+50N | Q | G | | | | L11E-6+00N | Q | G | | | |
| L9E-0+25N | Q | G | | | | L11E-5+75N | Q | G | | | |
| L9E-0+00N | Q | G | | | | L11E-3+50N | Q | G | | | |
| L9E-0+25S | Q | G | | | | L11E-5+25N | Q | G | | | |
| L9E-0+00S | Q | G | | | | L11E-5+00N | Q | G | | | |
| L9E-0+75S | Q | G | | | | L11E-4+75N | Q | G | | | |
| L9E-0+50S | Q | G | | | | L11E-4+00N | Q | G | | | |
| L9E-0+25S | Q | G | | | | L11E-3+75N | Q | G | | | |
| L9E-0+00S | Q | G | | | | L11E-1+50N | Q | G | | | |
| L10E-1+25S | Q | G | | | | L11E-1+25N | Q | G | | | |
| L9E-1+50S | Q | G | | | | L11E-1+00N | Q | G | | | |
| L9E-5+75S | Q | G | | | | L11E-0+50S | Q | G | | | |
| L9E-6+00S | Q | G | | | | L11E-0+75S | Q | G | | | |
| L10E-6+50N | Q | S | | | | L11E-1+00S | Q | G | | | |
| L10E-6+25N | Q | G | | | | L11E-1+25S | Q | G | | | |
| L10E-6+00N | Q | G | | | | L11E-1+00N | Q | G | | | |
| L10E-5+75N | Q | G | | | | L11E-0+75S | Q | G | | | |
| L10E-5+50N | Q | G | | | | L11E-1+00S | Q | G | | | |
| L10E-5+25N | Q | G | | | | L11E-1+25S | Q | G | | | |
| L10E-5+00N | Q | G | | | | L11E-1+00N | Q | G | | | |
| L10E-4+75N | Q | G | | | | L11E-1+75S | Q | G | | | |
| L10E-4+50N | Q | G | | | | L11E-2+00S | Q | G | | | |
| L10E-4+25N | Q | G | | | | L11E-5+75S | Q | G | | | |
| L10E-4+00N | Q | G | | | | L11E-6+00S | Q | G | | | |

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Geochemical
Lab Report

REPORT: 038-52806.0

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT | No | Au | Au New | Testwt | SAMPLE NUMBER | ELEMENT | No | Au | Au New | Testwt |
|---------------|---------|-----|-----|--------|--------|---------------|---------|-----|-----|--------|--------|
| | UNITS | PPM | PPM | PPM | gms | | UNITS | PPM | PPM | PPM | gms |
| L12E-6+70N | 1 | 7 | | | | L14E-5+50N | 1 | 22 | | | |
| L12E-6+50N | <1 | 5 | | | | L14E-5+25N | <1 | 7 | | | |
| L12E-6+25N | <1 | 5 | | | | L14E-5+00N | <1 | 5 | | | |
| L12E-6+00N | 1 | 8 | | | | L14E-4+75N | <1 | 5 | | | |
| L12E-5+75N | <1 | 5 | | | | L14E-4+50N | <1 | 5 | | | |
| L12E-5+50N | <1 | 5 | | | | L14E-1+50S | <1 | 5 | | | |
| L12E-5+25N | <1 | 5 | | | | L14E-1+25S | <1 | 5 | | | |
| L12E-5+00N | <1 | 5 | | | | L14E-2+00S | <1 | 5 | | | |
| L12E-4+75N | <1 | 5 | | | | L14E-2+25S | <1 | 5 | | | |
| L12E-4+50N | <1 | 5 | | | | L14E-2+50S | <1 | 6 | | | 8.00 |
| L12E-4+25N | 1 | 6 | | | | L14E-2+75S | <1 | 5 | | | |
| L12E-4+00N | <1 | 5 | | | | L14E-3+00S | <1 | 5 | | | |
| L12E-1+50N | <1 | 5 | | | | L14E-3+25S | <1 | 5 | | | |
| L12E-1+00N | <1 | 7 | | | | L14E-3+50S | <1 | 5 | | | |
| L12E-0+75N | <1 | 6 | | | | L14E-3+75S | <1 | 5 | | | |
| L12E-2+50S | <1 | 5 | | | | L14E-4+00S | <1 | 5 | | | |
| L12E-2+75S | <1 | 5 | | | | L15E-6+90N | <1 | 5 | | | |
| L12E-3+00S | <1 | 5 | | | | L15E-6+75N | <1 | 5 | | | |
| L13E-6+75N | <1 | 5 | | | | L15E-6+50N | <1 | 52 | | | |
| L13E-6+50N | 1 | 5 | | | | L15E-6+25N | <1 | 5 | | | |
| L13E-5+75N | <1 | 5 | | | | L15E-6+00N | <1 | 5 | | | |
| L13E-5+50N | <1 | 5 | | | | L15E-5+75N | <1 | 5 | | | |
| L13E-5+25N | <1 | 5 | | | | L15E-5+50N | 1 | 5 | | | |
| L13E-5+00N | <1 | 5 | | | | L15E-5+25N | <1 | 5 | | | |
| L13E-4+75N | <1 | 6 | | | | L15E-0+75N | <1 | 5 | | | |
| L13E-4+50N | <1 | 5 | | | | L15E-0+50N | <1 | 5 | | | |
| L13E-4+25N | <1 | 5 | | | | L15E-0+25N | <1 | 6 | | | |
| L13E-0+75S | <1 | 7 | | | | L15E-0+00S | <1 | 14 | | | |
| L13E-2+25S | <1 | 5 | | | | L15E-0+75S | <1 | 5 | | | |
| L13E-2+50S | <1 | 5 | | | | L15E-1+00S | <1 | 6 | | | |
| L13E-2+75S | <1 | 5 | | | | L15E-1+25S | <1 | 8 | | | |
| L13E-3+00S | <1 | 5 | | | | L15E-1+50S | <1 | 5 | | | |
| L13E-3+25S | <1 | 5 | | | | L15E-1+75S | <1 | 5 | | | |
| L14E-6+75N | <1 | 5 | | | | L15E-2+00S | <1 | 5 | | | |
| 4E-6+50N | <1 | 5 | | | | L15E-3+50S | <1 | 5 | | | |
| L14E-6+25N | <1 | 5 | | | | L15E-3+75S | <1 | 5 | | | |
| L14E-6+00N | <1 | 5 | | | | L15E-4+00S | <1 | 5 | | | |
| L14E-5+75N | <1 | 529 | 120 | | | L15E-4+25S | <1 | 5 | | | |

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Geochemical Lab Report

~~REPORT: 088-52806.0~~

PROJECT: CONCRETE

PAGE 3

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Geochemical
Lab Report

REPORT: 088-52806.1 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: JOHN PIKE
DATE PRINTED: 3-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|-----------------|--------------------|-----------------------|------------|---------------|
| 1 | As Arsenic | 189 | 2 PPM | HNO3-HClO4 | Colourimetric |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS NUMBER |
|--------------|--------|----------------|--------|-----------------------------|
| SOIL | 189 | -80 | 189 | As Received, No SP 189 |

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FAX TO JOHN PIKE

INVOICE TO: MR. JOHN PIKE

A handwritten signature, appearing to read 'John Pike', is located at the bottom right of the page.

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**Geochemical
Lab Report**

REPORT: 088-52806.1

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | SAMPLE NUMBER | ELEMENT UNITS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L9E-6+5GN | | <2 | L10E-3+75N | | 2 |
| L9E-6+25N | | <2 | L10E-3+50N | | <2 |
| L9E-6+0GN | | 6 | L10E-3+25N | | 2 |
| L9E-5+75N | | 4 | L10E-1+75N | | 2 |
| L9E-5+5GN | | <2 | L10E-1+50N | | 2 |
| L9E-5+25N | | 4 | L10E-1+25N | | <2 |
| L9E-5+0GN | | 2 | L10E-1+0GN | | <2 |
| L9E-4+75N | | 6 | L10E-0+25S | | <2 |
| L9E-4+5GN | | 3 | L10E-0+50S | | <2 |
| L9E-4+25N | | <2 | L10E-0+75S | | 2 |
| L9E-4+0GN | | 3 | L10E-1+00S | | 4 |
| L9E-3+75N | | 2 | L10E-1+25S | | 3 |
| L9E-3+5GN | | 2 | L10E-1+50S | | 2 |
| L9E-3+25N | | <2 | L10E-2+00S | | 2 |
| L9E-3+0GN | | <2 | L10E-6+35S | | 2 |
| L9E-1+50N | | 4 | L11E-6+60N | | 10 |
| L9E-1+00N | | <2 | L11E-6+5GN | | 3 |
| L9E-0+75N | | <2 | L11E-6+25N | | <2 |
| L9E-0+50N | | 3 | L11E-6+00N | | 2 |
| L9E-0+25N | | <2 | L11E-5+75N | | 2 |
| L9E-0L+00 | | <2 | L11E-5+5GN | | <2 |
| L9E-0+25S | | 2 | L11E-5+25N | | 4 |
| L9E-0+50S | | <2 | L11E-5+0GN | | 2 |
| L9E-0+75S | | <2 | L11E-4+75N | | 2 |
| L9E-1+00S | | <2 | L11E-4+5GN | | <2 |
| L9E-1+25S | | 2 | L11E-4+25N | | <2 |
| L9E-1+50S | | 2 | L11E-4+00N | | 3 |
| L9E-5+75S | | 2 | L11E-3+75% | | <2 |
| L9E-6+00S | | <2 | L11E-1+50N | | 3 |
| L10E-6+50N | | <2 | L11E-1+25% | | 5 |
| L10E-6+25N | | <2 | L11E-1+0GN | | 5 |
| L10E-6+00N | | 2 | L11E-0+50S | | 2 |
| L10E-5+75N | | <2 | L11E-0+75S | | 2 |
| L10E-5+50N | | 3 | L11E-1+00S | | <2 |
| L10E-5+25N | | <2 | L11E-1+25S | | 2 |
| L10E-5+00N | | <2 | L11E-1+50S | | 2 |
| L10E-4+75N | | 2 | L11E-1+75S | | 2 |
| L10E-4+50N | | <2 | L11E-2+00S | | 4 |
| L10E-4+25N | | 4 | L11E-5+75S | | <2 |
| L10E-4+00N | | 2 | L11E-6+00S | | 2 |

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**Geochemical
Lab Report**

REPORT: 088-52606.1

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L12E-6+70N | | 7 | L14E-5+50N | | 4 |
| L12E-6+50N | | 7 | L14E-5+25N | | 7 |
| L12E-6+25N | | 3 | L14E-5+00N | | 2 |
| L12E-6+00N | | <2 | L14E-4+75N | | 2 |
| L12E-5+75N | | 2 | L14E-4+50N | | <2 |
| L12E-5+50N | | 4 | L14E-1+50S | | <2 |
| L12E-5+25N | | <2 | L14E-1+75S | | <2 |
| L12E-5+00N | | <2 | L14E-2+00S | | <2 |
| L12E-4+75N | | 4 | L14E-2+25S | | 2 |
| L12E-4+50N | | 4 | L14E-2+50S | | 3 |
| L12E-4+25N | | 3 | L14E-2+75S | | <2 |
| L12E-4+00N | | 2 | L14E-3+00S | | <2 |
| L12E-1+50N | | 3 | L14E-3+25S | | 2 |
| L12E-1+00N | | <2 | L14E-3+50S | | <2 |
| L12E-0+75N | | 2 | L14E-3+75S | | <2 |
| L12E-2+50S | | <2 | L14E-4+00S | | <2 |
| L12E-2+75S | | <2 | L15E-6+90N | | 2 |
| L12E-3+00S | | 2 | L15E-6+75N | | 6 |
| L13E-6+75N | | 8 | L15E-6+50N | | 12 |
| L13E-6+50N | | 7 | L15E-6+25N | | <2 |
| L13E-6+25N | | 3 | L15E-6+00N | | <2 |
| L13E-6+00N | | 4 | L15E-5+75N | | 5 |
| L13E-5+75N | | 6 | L15E-5+50N | | 2 |
| L13E-5+50N | | <2 | L15E-5+25N | | 2 |
| L13E-5+25N | | 3 | L15E-0+50N | | <2 |
| L13E-5+00N | | <2 | L15E-0+25N | | <2 |
| L13E-4+75N | | 2 | L15E-6+00 | | 2 |
| L13E-4+50N | | 2 | L15E-0+25S | | 2 |
| L13E-4+25N | | <2 | L15E-0+50S | | <2 |
| L13E-0+75S | | 2 | L15E-0+75S | | 2 |
| L13E-2+25S | | 2 | L15E-1+00S | | 3 |
| L13E-2+50S | | 2 | L15E-1+25S | | <2 |
| L13E-2+75S | | 5 | L15E-1+50S | | 2 |
| L13E-3+00S | | 4 | L15E-1+75S | | 2 |
| L13E-3+25S | | <2 | L15E-2+00S | | <2 |
| L14E-6+75N | | 2 | L15E-3+25S | | 2 |
| L14E-6+50N | | <2 | L15E-3+50S | | <2 |
| L14E-6+25N | | 2 | L15E-3+75S | | <2 |
| L14E-6+00N | | <2 | L15E-4+00S | | 5 |
| L14E-5+75N | | 5 | L15E-4+25S | | 3 |

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Geochemical
Lab Report

REPORT: 088-52806.1

PROJECT: CONGLOMERATE

PAGE 3

| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | SAMPLE NUMBER | ELEMENT UNITS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L15E-5+75N | | 3 | | | |
| L15E-7+10N | | 2 | | | |
| L15E-7+00N | | <2 | | | |
| L16E-6+75N | | <2 | | | |
| L16E-6+50N | | 4 | | | |
| L16E-6+25N | | 4 | | | |
| L16E-6+00N | | 5 | | | |
| L16E-5+75N | | <2 | | | |
| L16E-4+00N | | 4 | | | |
| L16E-2+25N | | 6 | | | |
| L15E-1+00N | | <2 | | | |
| L15E-0+75N | | <2 | | | |
| L16E-0+50N | | <2 | | | |
| L16E-0+25N | | <2 | | | |
| L16E-0+00N | | <2 | | | |
| L16E-0+25S | | <2 | | | |
| L16E-0+50S | | <2 | | | |
| L16E-0+75S | | <2 | | | |
| L16E-1+00S | | <2 | | | |
| L16E-1+25S | | <2 | | | |
| L15E-1+50S | | <2 | | | |
| L15E-1+75S | | <2 | | | |
| L16E-3+25S | | 2 | | | |
| L16E-3+50S | | <2 | | | |
| L16E-3+75S | | 2 | | | |
| L16E-4+00S | | <2 | | | |
| L16E-4+25S | | 2 | | | |
| L16E-5+75S | | <2 | | | |
| L16E-5+85S | | <2 | | | |

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Geochemical
Lab Report

REPORT: DEB-52605.1 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: JOHN PINE
DATE PRINTED: 29-SEP-86

| ITEM | ELEMENT | ANALYSIS | DETERMINATION | EXTRACTION | METHOD |
|------|-----------------|----------|---------------|------------|--------------|
| - | As Arsenic | 268 | C-300 | -100-100% | Colorimetric |

| SAMPLE TYPES | NUMBER | SIZE FRACTION | NUMBER | SAMPLE PREPARATIONS NUMBER |
|--------------|--------|---------------|--------|----------------------------|
| SOIL | 248 | -60 | 248 | AS Received, no SP 248 |

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INVOICE TO: MR. JOHN PINE

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**Geochemical
Lab Report**

REPORT #: 039-52395.1

REPORT #: 039-52395.1

PAGE 1

| SAMPLE | ELEMENT | AS | SAMPLE | ELEMENT | AS |
|-----------|---------|-----|-----------|---------|-----|
| REF ID | UNITS | PPM | REF ID | UNITS | PPM |
| LIE-6-504 | % | 2 | LIE-6-755 | % | 2 |
| LIE-6-25% | <2 | | LIE-6-605 | % | 4 |
| LIE-6-30% | 3 | | LIE-6-505 | % | 3 |
| LIE-6-75% | <2 | | LIE-6-25% | % | 3 |
| LIE-6-50% | <2 | | LIE-6-60% | % | 2 |
| LIE-6-25% | 5 | | LIE-6-75% | % | 10 |
| LIE-6-00% | 7 | | LIE-6-50% | % | 4 |
| LIE-4-75% | 2 | | LIE-6-25% | % | 4 |
| LIE-4-50% | 2 | | LIE-6-50% | % | 4 |
| LIE-4-25% | 4 | | LIE-4-75% | % | 2 |
| LIE-4-00% | 2 | | LIE-4-50% | % | 2 |
| LIE-3-75% | 6 | | LIE-4-25% | % | 5 |
| LIE-3-50% | 2 | | LIE-4-00% | % | 2 |
| LIE-3-25% | 2 | | LIE-3-75% | % | 3 |
| LIE-3-00% | 2 | | LIE-3-50% | % | 5 |
| LIE-1-50% | 5 | | LIE-3-25% | % | 4 |
| LIE-1-75% | 2 | | LIE-3-00% | % | 3 |
| LIE-1-50% | 3 | | LIE-2-75% | % | 3 |
| LIE-1-25% | 2 | | LIE-2-50% | % | 2 |
| LIE-1-00% | 3 | | LIE-2-25% | % | 4 |
| LIE-1-75% | 2 | | LIE-1-75% | % | 2 |
| LIE-1-50% | 3 | | LIE-1-50% | % | 3 |
| LIE-1-25% | 2 | | LIE-1-25% | % | 3 |
| LIE-1-00% | 5 | | LIE-1-00% | % | 5 |
| LIE-1-75% | 4 | | LIE-1-50% | % | 6 |
| LIE-1-00% | 2 | | LIE-0-50% | % | 5 |
| LIE-1-25% | 3 | | LIE-1-75% | % | 4 |
| LIE-1-50% | 3 | | LIE-1-50% | % | 4 |
| LIE-1-75% | 4 | | LIE-2-25% | % | 3 |
| LIE-2-00% | 6 | | LIE-1-50% | % | 3 |
| LIE-1-25% | 3 | | LIE-1-75% | % | 2 |
| LIE-1-50% | 3 | | LIE-3-00% | % | 4 |
| LIE-1-75% | 3 | | LIE-3-25% | % | 3 |
| LIE-3-00% | 4 | | LIE-3-50% | % | 6 |
| LIE-3-25% | 5 | | LIE-3-75% | % | 5 |
| LIE-1-00% | 5 | | LIE-5-00% | % | 2 |
| LIE-1-25% | 2 | | LIE-5-25% | % | <2 |
| LIE-1-50% | 5 | | LIE-5-50% | % | 4 |
| LIE-1-75% | 5 | | LIE-5-75% | % | 2 |
| LIE-4-50% | 4 | | LIE-5-00% | % | 2 |

REPORT: 036-52805.1

POLYESTER CONGLOMERATE PAGE 2

| SAMPLE NUMBER | ELEMENT LIGTS | AS PPM | SAMPLE NUMBER | ELEMENT LIGTS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L3E-4+75% | 3 | | L3E-2+00% | 2 | |
| L3E-4-50% | 8 | | L3E-1+75% | <2 | |
| L3E-2+25% | 2 | | L3E-1+50% | 2 | |
| L3E-1-00% | 5 | | L3E-1+25% | <2 | |
| L3E-3+75% | 3 | | L3E-1+00% | 3 | |
| L3E-3+50% | 3 | | L3E-1+50% | <2 | |
| L3E-3-25% | 2 | | L3E-0-00% | <2 | |
| L3E-3+00% | 5 | | L3E-0+25% | <2 | |
| L3E-2+75% | 3 | | L3E-1+00% | <2 | |
| L3E-2-50% | 3 | | L3E-1+25% | 2 | |
| L3E-2+25% | 2 | | L3E-2+25% | <2 | |
| L3E-2-00% | 4 | | L3E-1-00% | 3 | |
| L3E-1+75% | 2 | | L3E-0-70% | <2 | |
| L3E-1-50% | <2 | | L3E-6+50% | <2 | |
| L3E-3-0 | 4 | | L3E-6+25% | <2 | |
| L3E-0-25% | 2 | | L3E-6-00% | 2 | |
| L3E-0+75% | <2 | | L3E-5+75% | 3 | |
| L3E-1+25% | 2 | | L3E-5+50% | 2 | |
| L3E-2+00% | 4 | | L3E-5+25% | <2 | |
| L3E-2+25% | 2 | | L3E-5-00% | <2 | |
| L3E-2+50% | 4 | | L3E-4+75% | 2 | |
| L3E-2-75% | 2 | | L3E-4-50% | 2 | |
| L4E-3+50% | 2 | | L3E-4+25% | 2 | |
| L4E-6-25% | 3 | | L3E-4-00% | 2 | |
| L4E-6+30% | <2 | | L3E-3+75% | 3 | |
| L4E-5+75% | <2 | | L3E-3-50% | <2 | |
| L4E-5-50% | 2 | | L3E-3+00% | <2 | |
| L4E-5+25% | <2 | | L3E-3+00% | <2 | |
| L4E-5-30% | <2 | | L3E-2+75% | 2 | |
| L4E-2+75% | 3 | | L3E-2-00% | <2 | |
| L4E-4+50% | <2 | | L3E-2+25% | 3 | |
| L4E-4-75% | <2 | | L3E-2-00% | 2 | |
| L4E-4+00% | <2 | | L3E-1+75% | 2 | |
| L4E-3-75% | <2 | | L3E-1+50% | 3 | |
| L4E-3+50% | <2 | | L3E-0+25% | <2 | |
| L4E-2+25% | 6 | | L3E-1+25% | 2 | |
| L4E-3-25% | <2 | | L3E-3-0 | <2 | |
| L4E-3+00% | 2 | | L3E-0+25% | 2 | |
| L4E-2+75% | <2 | | L3E-0+50% | <2 | |
| L4E-2+50% | <2 | | L3E-0+75% | <2 | |
| L4E-2+25% | 6 | | L3E-1+25% | 2 | |

REPORT: 033-52005.1

POLYMER CONCENTRATION

PAGE 1

| SAMPLE | ELEMENT | AS | SAMPLE | ELEMENT | AS |
|-----------|---------|-----|-----------|---------|-----|
| NUMBER | UNITS | PPM | NUMBER | UNITS | PPM |
| L55-1-50S | <2 | | L7E-1-25% | 2 | |
| L55-1-75S | 3 | | L7E-4-0% | 3 | |
| L55-6-75% | 5 | | L7E-3-75% | 2 | |
| L55-6-50% | <2 | | L7E-3-5% | 2 | |
| L55-6-25% | <2 | | L7E-3-25% | 3 | |
| L55-6-00% | 2 | | L7E-3-0% | 4 | |
| L55-6-00N | 2 | | L7E-3-0% | 4 | |
| L55-5-75% | <2 | | L7E-2-75% | 7 | |
| L55-5-50% | <2 | | L7E-2-5% | 8 | |
| L55-5-25% | 2 | | L7E-2-25% | 2 | |
| L55-5-00% | 2 | | L7E-2-0% | 4 | |
| L55-4-50% | <2 | | L7E-1-75% | 2 | |
| L55-4-25% | 3 | | L7E-1-5% | <2 | |
| L55-2-00% | <2 | | L7E-1-25% | 2 | |
| L55-3-75% | 2 | | L7E-0-50% | <2 | |
| L55-3-50% | 2 | | L7E-0-25% | 2 | |
| L55-3-25% | 3 | | L7E-0-0% | 3 | |
| L55-3-00% | <2 | | L7E-0-75% | 2 | |
| L55-2-75% | 2 | | L7E-0-50% | 2 | |
| L55-2-50% | <2 | | L7E-0-25% | 2 | |
| L55-2-00% | 2 | | L7E-0-0% | 5 | |
| L55-2-00% | <2 | | L7E-1-75% | 3 | |
| L55-1-75% | <2 | | L7E-1-50% | <2 | |
| L55-1-50% | <2 | | L7E-6-75% | 5 | |
| L55-0-25% | <2 | | L7E-6-50% | <2 | |
| L55-0-00% | <2 | | L7E-6-25% | 3 | |
| L55-0-75% | <2 | | L8E-0-0% | 2 | |
| L55-1-00% | 6 | | L8E-5-75% | 3 | |
| L55-1-25% | <2 | | L8E-5-50% | 2 | |
| L55-1-50% | 3 | | L8E-5-25% | 2 | |
| L55-1-75% | <2 | | L8E-5-0% | <2 | |
| L7E-6-75% | 2 | | L8E-4-75% | 2 | |
| L7E-6-50% | 2 | | L8E-4-50% | <2 | |
| L7E-6-25% | <2 | | L8E-4-25% | 2 | |
| L7E-6-00% | 2 | | L8E-4-0% | <2 | |
| L7E-5-75% | 2 | | L8E-3-75% | <2 | |
| L7E-5-50% | 2 | | L8E-3-50% | 2 | |
| L7E-5-25% | 2 | | L8E-3-25% | 2 | |
| L7E-5-00% | <2 | | L8E-3-0% | <2 | |
| L7E-4-75% | 2 | | L8E-1-75% | 3 | |
| L7E-4-50% | 2 | | L8E-1-50% | 2 | |

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Geochemical
Lab Report

REPORT: C88-52605.1

PROJECT: CONGLOMERATE

PAGE 4

| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | SAMPLE NUMBER | ELEMENT UNITS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L8E-0+75% | | 4 | | | |
| L8E-0+50% | | 5 | | | |
| L8E-0+25% | | <2 | | | |
| L8E-0+0% | | 2 | | | |
| L8E-0+25S | | 4 | | | |
| L8E-0+75S | | 2 | | | |
| L8E-1+00S | | <2 | | | |
| | | 3 | | | |

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Geochemical
Lab Report

REPORT: 088-52607.0 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: R. MCGAUGHEY
DATE PRINTED: 5-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|---------|--------------------|-----------------------|------------|------------------------------|
| 1 | Mo | Mo/bdenite | 208 | 1 PPB | HCl-HNO ₃ , (1:3) |
| 2 | Au | Gold | 208 | 5 PPB | ACQUA REGIA |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS NUMBER |
|--------------|--------|----------------|--------|----------------------------|
| SOIL | 208 | -80 | 208 | Dry.Sieve -80 0 |

REMARKS: SAMPLE L3H-2+00N WAS RETESTED FOR AU THE
RESULTS ARE <5 PPB / <5 PPB

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FAX TO JOHN PIKE

INVOICE TO: MR. JOHN PIKE

A handwritten signature consisting of stylized initials and a surname, appearing to read 'JP' followed by 'PIKE'.

REPORT: 088-52807.0

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | NO PPM | AU PPB | SAMPLE NUMBER | ELEMENT UNITS | NO PPM | AU PPB |
|---------------|---------------|--------|--------|---------------|---------------|--------|--------|
| L4W-6+0CN | <1 | <5 | | L3W-5+25N | <1 | <5 | |
| L4W-5+75N | <1 | <5 | | L3W-5+00N | <1 | <5 | |
| L4W-5+50N | <1 | 5 | | L3W-4+75N | <1 | <5 | |
| L4W-5+25N | <1 | <5 | | L3W-4+50N | <1 | <5 | |
| L4W-5+00N | <1 | 9 | | L3W-4+25N | <1 | <5 | |
| L4W-4+75N | <1 | <5 | | L3W-4+00N | <1 | <5 | |
| L4W-4+50N | <1 | <5 | | L3W-3+75N | <1 | <5 | |
| L4W-4+25N | <1 | <5 | | L3W-3+50N | <1 | <5 | |
| L4W-4+00N | <1 | <5 | | L3W-3+25N | <1 | <5 | |
| L4W-3+75N | <1 | <5 | | L3W-3+00N | <1 | <5 | |
| L4W-3+50N | <1 | 33 | | L3W-2+75N | <1 | <5 | |
| L4W-3+25N | <1 | 62 | | L3W-2+50N | <1 | 25 | |
| L4W-3+00N | <1 | <5 | | L3W-2+25N | <1 | <5 | |
| L4W-2+75N | <1 | <5 | | L3W-2+00N | <1 | 100 | |
| L4W-2+50N | <1 | 13 | | L3W-1+50% | <1 | <5 | |
| L4W-2+25N | <1 | <5 | | L3W-1+25% | <1 | <5 | |
| L4W-2+00N | <1 | <5 | | L3W-1+00% | <1 | <5 | |
| L4W-1+75N | <1 | <5 | | L3W-0+75N | <1 | <5 | |
| L4W-1+50N | <1 | <5 | | L3W-0+50% | <1 | <5 | |
| L4W-1+25N | 1 | <5 | | L3W-0+25N | <1 | <5 | |
| L4W-1+00% | <1 | <5 | | L3W-0+00% | <1 | <5 | |
| L4W-0+75N | <1 | <5 | | L3W-0+25S | <1 | <5 | |
| L4W-0+50N | <1 | 6 | | L3W-0+50S | 2 | <5 | |
| L4W-5+0 | 1 | 15 | | L3W-0+75S | <1 | <5 | |
| L4W-0+25S | <1 | 14 | | L3W-1+25S | 1 | <5 | |
| L4W-0+50S | <1 | 7 | | L3W-1+50S | <1 | <5 | |
| L4W-0+75S | 1 | 9 | | L3W-1+75S | 2 | <5 | |
| L4W-1+00S | <1 | 18 | | L3W-2+00S | <1 | <5 | |
| L4W-1+25S | <1 | <5 | | L3W-6+50S | <1 | <5 | |
| L4W-4+50S | <1 | 7 | | L3W-6+75S | 1 | <5 | |
| L4W-4+75S | 1 | 16 | | L3W-7+00S | 1 | <5 | |
| L4W-5+00S | <1 | 13 | | L2W-6+00N | <1 | <5 | |
| L4W-5+25S | 1 | 7 | | L2W-5+75N | <1 | <5 | |
| L4W-5+50S | <1 | 10 | | L2W-5+50N | <1 | <5 | |
| L4W-5+75S | <1 | 11 | | L2W-5+25N | <1 | <5 | |
| L4W-8+25S | <1 | <5 | | L2W-5+00% | <1 | <5 | |
| L4W-8+50S | <1 | <5 | | L2W-4+75N | 1 | 1 | |
| L3W-6+00N | <1 | <5 | | L2W-4+50N | 1 | <5 | |
| L3W-5+75N | <1 | <5 | | L2W-4+25N | <1 | <5 | |
| L3W-5+50N | <1 | <5 | | L2W-4+00N | <1 | <5 | |

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**Geochemical
Lab Report**

REPORT: E88-52807.0

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | Mo PPM | Au PPB | SAMPLE NUMBER | ELEMENT UNITS | Mo PPM | Au PPB |
|---------------|---------------|--------|--------|---------------|---------------|--------|--------|
| L2W-3+75N | <1 | 5 | | L1W-2+75S | 1 | 5 | |
| L2W-3+50N | <1 | 5 | | L1W-3+00S | 1 | 8 | |
| L2W-3+25N | <1 | 5 | | L1W-3+25S | 1 | 5 | |
| L2W-3+00N | <1 | 5 | | L1W-3+50S | 2 | 5 | |
| L2W-2+75N | <1 | 5 | | L1W-4+00S | 2 | 5 | |
| L2W-2+50N | <1 | 5 | | L1d-4+50S | 1 | 5 | |
| L2W-2+25N | <1 | 5 | | L1W-4+75S | 2 | 5 | |
| L2W-0+25S | 2 | 5 | | L1d-5+00S | 1 | 31 | |
| L2W-0+50S | 2 | 5 | | L1W-5+50S | <1 | 5 | |
| L2W-0+75S | <1 | 5 | | L1d-5+75S | 1 | 5 | |
| L2W-4+25S | <1 | 5 | | L1W-6+00S | <1 | 5 | |
| L2W-4+50S | <1 | 5 | | L0-6+50N | <1 | 5 | |
| L2W-4+75S | 1 | 5 | | L0-6+25N | <1 | 5 | |
| L2W-5+00S | <1 | 5 | | L0-6+00N | <1 | 5 | |
| L1W-6+25N | <1 | 5 | | L0-5+75N | <1 | 5 | |
| L1W-5+00N | <1 | 7 | | L0-5+50N | <1 | 5 | |
| L1W-5+75N | <1 | 5 | | L0-5+25N | <1 | 5 | |
| L1W-5+50N | <1 | 5 | | L0-5+00N | <1 | 6 | |
| L1W-5+25N | <1 | 5 | | L0-4+75N | <1 | 5 | |
| L1W-5+00N | <1 | 5 | | L0-4+50N | <1 | 5 | |
| L1W-4+75N | 1 | 5 | | L0-3+75N | <1 | 5 | |
| L1W-4+50N | 1 | 5 | | L0-3+50N | 1 | 7 | |
| L1W-4+25N | <1 | 5 | | L0-3+25N | <1 | 6 | |
| L1W-2+00N | <1 | 5 | | L1W-3+50N | <1 | 5 | |
| L1W-3+75N | <1 | 5 | | L1W-3+25N | <1 | 5 | |
| L1W-3+50N | <1 | 6 | | L1W-2+50N | <1 | 5 | |
| L1W-3+00N | <1 | 7 | | L1W-2+00N | <1 | 5 | |
| L1W-2+50N | 1 | 5 | | L1W-1+75N | <1 | 5 | |
| L1W-2+25N | <1 | 7 | | L1W-1+50N | <1 | 5 | |
| L1W-3+50N | <1 | 5 | | L1W-1+25N | 1 | 5 | |
| L1W-3+25N | <1 | 6 | | L1W-1+00N | <1 | 7 | |
| L1W-3+00N | <1 | 7 | | L1W-0+75N | <1 | 8 | |
| L1W-2+50N | 1 | 5 | | L1W-0+50N | 1 | 5 | |
| L1W-2+25N | <1 | 7 | | L1W-0+25N | <1 | 5 | |
| L1W-1+00N | <1 | 5 | | L1W-0+00S | 2 | 5 | |
| L1W-0+75N | <1 | 5 | | L0-5L0 | <1 | 5 | |
| L1W-0+50N | 2 | 5 | | L0-0+25S | <1 | 5 | |
| L1W-0+25N | <1 | 5 | | L0-0+50S | <1 | 5 | |
| L1W-0L0 | <1 | 5 | | L0-0+75S | 2 | 5 | |
| L1W-2+50S | <1 | 5 | | L0-1+00S | 1 | 5 | |

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**Geochemical
Lab Report**

REPORT: 088-52807.0

PROJECT: CONGLOMERATE

PAGE 3

| SAMPLE NUMBER | ELEMENT UNITS | % PPM | Au PPB | SAMPLE NUMBER | ELEMENT UNITS | % PPM | Au PPB |
|---------------|---------------|-------|--------|---------------|---------------|-------|--------|
| L0-1+25S | | 2 | <5 | L17E-0+75S | | <1 | <5 |
| L0-1+50S | | <1 | <5 | L17E-1+00S | | <1 | 5 |
| L0-1+75S | | <1 | <5 | L17E-2+00S | | <1 | 21 |
| L0-2+00S | | <1 | <5 | L17E-2+50S | | <1 | <5 |
| L0-2+25S | | <1 | <5 | L17E-3+00S | | 1 | <5 |
| L0-2+50S | | <1 | <5 | L17E-3+25S | | <1 | <5 |
| L0-2+75S | | <1 | <5 | L17E-3+50S | | 1 | 7 |
| L0-3+00S | | <1 | <5 | L17E-3+75S | | 1 | <5 |
| L0-3+25S | | <1 | <5 | | | | |
| L0-3+50S | | <1 | <5 | | | | |
| L0-3+75S | | <1 | <5 | | | | |
| L0-4+00S | | <1 | <5 | | | | |
| L0-4+25S | | <1 | <5 | | | | |
| L0-4+50S | | <1 | <5 | | | | |
| L0-4+75S | | <1 | <5 | | | | |
| L0-5+00S | | <1 | <5 | | | | |
| L0-5+25S | | <1 | <5 | | | | |
| L0-5+50S | | <1 | <5 | | | | |
| L0-5+75S | | <1 | <5 | | | | |
| L17E-6+25N | | <1 | <5 | | | | |
| L17E-6+00N | | <1 | <5 | | | | |
| L17E-5+75N | | <1 | <5 | | | | |
| L17E-5+50N | | <1 | <5 | | | | |
| L17E-5+25N | | <1 | <5 | | | | |
| L17E-5+00N | | 1 | <5 | | | | |
| L17E-4+00N | | 1 | <5 | | | | |
| L17E-3+75N | | <1 | <5 | | | | |
| L17E-3+25N | | 1 | <5 | | | | |
| L17E-3+00N | | 1 | <5 | | | | |
| L17E-2+75N | | <1 | <5 | | | | |
| L17E-2+50N | | <1 | <5 | | | | |
| L17E-2+00N | | <1 | <5 | | | | |
| L17E-1+75N | | <1 | <5 | | | | |
| L17E-1+50N | | <1 | <5 | | | | |
| L17E-1+25N | | <1 | <5 | | | | |
| L17E-0+50N | | <1 | 5 | | | | |
| L17E-0+25N | | <1 | <5 | | | | |
| L17E-0+00 | | <1 | <5 | | | | |
| L17E-0+75S | | <1 | 7 | | | | |
| L17E-0+50S | | <1 | 6 | | | | |

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Geochemical
Lab Report

REPORT: 088-52807.1 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: J. PIKE
DATE PRINTED: 3-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|-----------------|--------------------|-----------------------|------------|---------------|
| 1 | As Arsenic | 208 | 2 PPM | MN03-HC104 | Colourimetric |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS | NUMBER |
|--------------|--------|----------------|--------|---------------------|--------|
| SOIL | 208 | -80 | 208 | As Received, No SP | 208 |

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A handwritten signature consisting of stylized initials, possibly 'JP' or 'John Pike', written in black ink.

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Geochemical
Lab Report

REPORT: 088-52807.1

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | SAMPLE NUMBER | ELEMENT UNITS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L4W-6+00N | | <2 | L3W-5+25N | | 7 |
| L4W-5+75N | | 4 | L3W-5+00N | | 3 |
| L4W-5+50N | | 2 | L3W-4+75N | | 9 |
| L4W-5+25N | | 3 | L3W-4+50N | | <2 |
| L4W-5+00N | | 5 | L3W-4+25N | | <2 |
| L4W-4+75N | | 2 | L3W-4+00N | | <2 |
| L4W-4+50N | | 6 | L3W-3+75N | | 2 |
| L4W-4+25N | | 2 | L3W-3+50N | | <2 |
| L4W-4+00N | | <2 | L3W-3+25N | | <2 |
| L4W-3+75N | | <2 | L3W-3+00N | | <2 |
| L4W-3+50N | | <2 | L3W-2+75N | | 5 |
| L4W-3+25N | | <2 | L3W-2+50N | | <2 |
| L4W-3+00N | | <2 | L3W-2+25N | | <2 |
| L4W-2+75N | | <2 | L3W-2+00N | | <2 |
| L4W-2+50N | | <2 | L3W-1+50N | | <2 |
| L4W-2+25N | | <2 | L3W-1+25N | | <2 |
| L4W-2+00N | | 2 | L3W-1+00N | | <2 |
| L4W-1+75N | | 3 | L3W-0+75N | | 3 |
| L4W-1+50N | | <2 | L3W-0+50N | | 2 |
| L4W-1+25N | | <2 | L3W-0+25N | | 2 |
| L4W-1+00N | | <2 | L3W-BL0 | | <2 |
| L4W-0+75N | | <2 | L3W-0+25S | | 3 |
| L4W-0+50N | | 2 | L3W-0+50S | | 3 |
| L4W-0+00 | | 2 | L3W-0+75S | | <2 |
| L4W-0+25S | | <2 | L3W-1+25S | | <2 |
| L4W-0+50S | | <2 | L3W-1+50S | | <2 |
| L4W-0+75S | | 4 | L3W-1+75S | | 3 |
| L4W-1+00S | | 3 | L3W-2+00S | | 2 |
| L4W-1+25S | | 4 | L3W-6+50S | | 4 |
| L4W-4+50S | | 2 | L3W-6+75S | | 2 |
| L4W-4+75S | | 3 | L3W-7+00S | | <2 |
| L4W-5+00S | | 2 | L2W-6+00N | | 2 |
| L4W-5+25S | | 3 | L2W-5+75N | | 4 |
| L4W-5+50S | | 2 | L2W-5+50N | | 4 |
| L4W-5+75S | | 2 | L2W-5+25N | | 11 |
| L4W-8+25S | | 4 | L2W-5+00N | | 3 |
| L4W-8+50S | | <2 | L2W-4+75N | | 4 |
| L3W-6+00N | | 4 | L2W-4+50N | | 4 |
| L3W-5+75N | | 3 | L2W-4+25N | | <2 |
| L3W-5+50N | | 2 | L2W-4+00N | | <2 |

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**Geochemical
Lab Report**

REPORT: 088-52807.1

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L2W-3+75N | | <2 | L1W-2+75S | | 4 |
| L2W-3+50N | | 2 | L1W-3+00S | | <2 |
| L2W-3+25N | | 2 | L1W-3+25S | | 4 |
| L2W-3+00N | | 2 | L1W-3+50S | | 2 |
| L2W-2+75N | | 3 | L1W-4+00S | | 3 |
| L2W-2+50N | | 3 | L1W-4+50S | | 3 |
| L2W-2+25N | | <2 | L1W-4+75S | | <2 |
| L2W-0+25S | | 2 | L1W-5+00S | | 3 |
| L2W-0+50S | | <2 | L1W-5+50S | | 2 |
| L2W-0+75S | | 2 | L1W-5+75S | | <2 |
| L2W-4+25S | | <2 | L1W-6+00S | | 2 |
| L2W-4+50S | | <2 | L0-6+50N | | 2 |
| L2W-4+75S | | 3 | L0-6+25N | | 2 |
| L2W-5+00S | | 2 | L0-6+00N | | 4 |
| L1W-6+25N | | 3 | L0-5+75N | | 3 |
| L1W-6+00N | | 2 | L0-5+50N | | <2 |
| L1W-5+75N | | 3 | L0-5+25N | | 5 |
| L1W-5+50N | | 9 | L0-5+00N | | <2 |
| L1W-5+25N | | 2 | L0-4+75N | | <2 |
| L1W-5+00N | | <2 | L0-4+50N | | 5 |
| L1W-4+75N | | 15 | L0-4+25N | | <2 |
| L1W-4+50N | | 6 | L0-4+00N | | 4 |
| L1W-4+25N | | 6 | L0-3+75N | | <2 |
| L1W-4+00N | | 4 | L0-3+50N | | <2 |
| L1W-3+75N | | 3 | L0-3+25N | | <2 |
| L1W-3+50N | | 3 | L0-3+00N | | <2 |
| L1W-3+25N | | <2 | L0-2+75N | | 2 |
| L1W-3+00N | | 2 | L0-2+00N | | <2 |
| L1W-2+50N | | 5 | L0-1+75N | | <2 |
| L1W-2+25N | | 3 | L0-1+50N | | <2 |
| L1W-2+00N | | 2 | L0-1+25N | | 2 |
| L1W-1+75N | | <2 | L0-1+00N | | <2 |
| L1W-1+50N | | 3 | L0-0+75N | | <2 |
| L1W-1+25N | | 2 | L0-0+50N | | 2 |
| L1W-1+00N | | 4 | L0-0+25N | | <2 |
| L1W-0+75N | | 2 | L0-BL0 | | <2 |
| L1W-0+50N | | 2 | L0-0+25S | | 2 |
| L1W-0+25N | | 2 | L0-0+50S | | <2 |
| L1W-BL0 | | 4 | L0-0+75S | | <2 |
| L1W-2+50S | | 2 | L0-1+00S | | <2 |

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**Geochemical
Lab Report**

REPORT: 088-52807.1

PROJECT: CONGLOMERATE

PAGE 3

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L0-1+25S | | <2 | L17E-0+75S | | <2 |
| L0-1+50S | | 2 | L17E-1+00S | | <2 |
| L0-1+75S | | <2 | L17E-2+00S | | <2 |
| L0-2+00S | | <2 | L17E-2+50S | | <2 |
| L0-2+25S | | <2 | L17E-3+00S | | <2 |
| L0-2+50S | | <2 | L17E-3+25S | | 2 |
| L0-2+75S | | <2 | L17E-3+50S | | 4 |
| L0-3+00S | | 2 | L17E-3+75S | | 2 |
| L0-3+25S | | <2 | | | |
| L0-3+50S | | 2 | | | |
| L0-3+75S | | <2 | | | |
| L0-4+00S | | <2 | | | |
| L0-4+25S | | <2 | | | |
| L0-4+50S | | <2 | | | |
| L0-4+75S | | 3 | | | |
| L0-5+00S | | <2 | | | |
| L0-5+25S | | 4 | | | |
| L0-5+50S | | 3 | | | |
| L0-5+75S | | <2 | | | |
| L17E-6+25N | | <2 | | | |
| L17E-6+00N | | 2 | | | |
| L17E-5+75N | | 3 | | | |
| L17E-5+50N | | 2 | | | |
| L17E-5+25N | | <2 | | | |
| L17E-5+00N | | 3 | | | |
| L17E-4+00N | | 3 | | | |
| L17E-3+75N | | 2 | | | |
| L17E-3+25N | | 2 | | | |
| L17E-3+00N | | 2 | | | |
| L17E-2+75N | | <2 | | | |
| L17E-2+50N | | <2 | | | |
| L17E-2+00N | | <2 | | | |
| L17E-1+75N | | 4 | | | |
| L17E-1+50N | | 2 | | | |
| L17E-1+25N | | 2 | | | |
| L17E-0+50N | | 2 | | | |
| L17E-0+25N | | <2 | | | |
| L17E-BLO | | <2 | | | |
| L17E-0+25S | | <2 | | | |
| L17E-0+50S | | 3 | | | |

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**Geochemical
Lab Report**

REF. #.: 588-32608.1 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUPERVISOR #: J. PIKE
DATE PRINTED: 4-OCT-88

| C. I.D.# | ELEMENT | NUMBER OF ANALYSES | LOSER | | METHOD | |
|----------|---------|--------------------|-----------------|------------|-------------|---------------|
| | | | DETECTION LIMIT | EXTRACTION | | |
| 1 | As | Arsenic | 229 | 2 PPM | IRASS-41104 | Colourimetric |

| SAMPLE TYPES | NUMBER | SIZE FRACTION | NUMBER | SAMPLE PREPARATIONS | NUMBER |
|--------------|--------|---------------|--------|---------------------|--------|
| SOIL | 229 | -80 | 229 | As Received, No SP | 229 |

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FAX TO JOHN PIKE

A handwritten signature, appearing to read 'John Pike', is placed over the bottom right corner of the page.

REPORT: 050-52803.1

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|------------------|------------------|-----------|------------------|------------------|-----------|
| L18E-7+25N | 2 | | L19E-5+25N | 2 | |
| L18E-7+00N | <2 | | L19E-5+00N | <2 | |
| L18E-5+75N | 2 | | L19E-4+50N | <2 | |
| L18E-5+50N | <2 | | L19E-4+25N | <2 | |
| L18E-5+25N | <2 | | L19E-4+00N | <2 | |
| L18E-5+00N | 3 | | L19E-2+75N | <2 | |
| L18E-5+75N | 13 | | L19E-2+50N | <2 | |
| L18E-5+50N | 2 | | L19E-1+00N | <2 | |
| L18E-5+25N | 3 | | L19E-0+75N | <2 | |
| L18E-5+00N | <2 | | L19E-0+50N | <2 | |
| L18E-4+75N | 3 | | L19E-0+25N | 2 | |
| L18E-4+50N | <2 | | L19E-5+0 | <2 | |
| L18E-4+25N | <2 | | L19E-0+25S | 5 | |
| L18E-5+75S | <2 | | L19E-0+75S | <2 | |
| L18E-5+50N | <2 | | L19E-1+00S | 6 | |
| L18E-5+25N | 2 | | L19E-1+50S | 3 | |
| L18E-2+50N | 2 | | L19E-1+75S | 3 | |
| L18E-0+75N | 2 | | L19E-2+00S | <2 | |
| L18E-0+50N | <2 | | L19E-2+25S | 3 | |
| L18E-0+25N | 2 | | L19E-2+50S | 3 | |
| L18E-5+0 | 2 | | L19E-2+75S | 3 | |
| L18E-0+25S | <2 | | L19E-3+00S | 3 | |
| L18E-0+50S | 4 | | L19E-3+25S | 3 | |
| L18E-0+75S | 2 | | L19E-3+50S | 3 | |
| L18E-1+00S | 3 | | L19E-3+75S | 2 | |
| L18E-1+25S | 3 | | L19E-4+00S | <2 | |
| L18E-1+00S | 2 | | L20E-7+40N | <2 | |
| L18E-1+75S | 3 | | L20E-7+25N | <2 | |
| L18E-2+00S | 2 | | L20E-7+00N | 2 | |
| L18E-3+50S | <2 | | L20E-6+75N | <2 | |
| L18E-5+75S | <2 | | L20E-6+50N | 2 | |
| L19E-7+25N | 2 | | L20E-6+25N | 2 | |
| L19E-7+00N | 2 | | L20E-6+00N | 2 | |
| L19E-6+75N | <2 | | L20E-5+75N | <2 | |
| L19E-6+50N | <2 | | L20E-5+50N | <2 | |
| L19E-6+25N | <2 | | L20E-5+25N | <2 | |
| L19E-6+00N | <2 | | L20E-4+75N | <2 | |
| L19E-5+75N | 2 | | L20E-4+50N | <2 | |
| L19E-5+50N | 2 | | L20E-4+25N | 2 | |

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**Geochemical
Lab Report**

REF ID: 086-52008.1

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L20E-4+00N | <2 | | L21E-5+50N | | 2 |
| L20E-3+75N | 7 | | L21E-5+25N | | 5 |
| L21E-3+50N | 2 | | L21E-5+00N | | 4 |
| L20E-3+25N | 2 | | L21E-4+75N | | 5 |
| L20E-2+25N | 3 | | L21E-4+50N | | 3 |
| L20E-2+00N | 2 | | L21E-4+25N | | 2 |
| L20E-1+50N | 3 | | L21E-4+00N | | 2 |
| L20E-1+25N | 4 | | L21E-3+75N | | 4 |
| L20E-1+00N | 4 | | L21E-3+50N | | 3 |
| L20E-0+75N | 4 | | L21E-1+75N | | 2 |
| L20E-0+50N | 3 | | L21E-1+25N | | 4 |
| L20E-0+25N | 5 | | L21E-1+00N | | 5 |
| L20E-BL0 | 4 | | L21E-1+00N | | 3 |
| L20E-0+25S | 3 | | L21E-0+75N | | 4 |
| L20E-0+50S | 5 | | L21E-0+50N | | 2 |
| L20E-0+75S | 2 | | L21E-0+25N | | 3 |
| L20E-1+00S | 3 | | L21E-BL0 | | 6 |
| L20E-1+25S | 3 | | L21E-0+25S | | 3 |
| L20E-1+50S | 4 | | L21E-0+50S | | <2 |
| L20E-2+00S | 4 | | L21E-0+75S | | 2 |
| L20E-2+25S | 3 | | L21E-1+00S | | 2 |
| L20E-2+50S | 3 | | L21E-1+25S | | 2 |
| L20E-2+75S | 3 | | L21E-1+50S | | 4 |
| L20E-3+00S | <2 | | L21E-1+75S | | 2 |
| L20E-3+25S | 2 | | L21E-2+00S | | 4 |
| L20E-3+50S | 3 | | L21E-2+25S | | 7 |
| L20E-3+75S | <2 | | L21E-2+50S | | <2 |
| L20E-4+00S | 2 | | L21E-2+75S | | 3 |
| L20E-4+25S | 2 | | L21E-3+00S | | 2 |
| L20E-5+25S | <2 | | L21E-3+75S | | 2 |
| L20E-5+50S | 2 | | L21E-4+00S | | 4 |
| L21E-7+65N | 2 | | L21E-4+25S | | 3 |
| L21E-7+50N | <2 | | L22E-7+50N | | 3 |
| L21E-7+25N | 2 | | L22E-7+25N | | 4 |
| L21E-7+00N | <2 | | L22E-7+00N | | 6 |
| L21E-6+75N(A) | <2 | | L22E-6+75N | | 4 |
| L21E-6+75N(B) | <2 | | L22E-6+50N | | 2 |
| L21E-6+50N | 2 | | L22E-6+25N | | 3 |
| L21E-6+00N | 3 | | L22E-6+00N | | 5 |
| L21E-5+75N | 3 | | L22E-5+75N | | 2 |

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**Geochemical
Lab Report**

L2E-2711 080-52863.1

PROJECT: CONGLOMERATE

PAGE 3

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L22E-5+50N | | 5 | L23E-4+25N | | 3 |
| L22E-5+25N | | 5 | L23E-4+00N | | <2 |
| L22E-5+00N | | 3 | L23E-3+75N | | <2 |
| L22E-4+75N | | 2 | L23E-3+00N | | 3 |
| L22E-4+50N | | <2 | L23E-2+75N | | 2 |
| L22E-4+25N | | 4 | L23E-2+00N | | 4 |
| L22E-4+00N | | 3 | L23E-1+75N | | 2 |
| L22E-3+75N | | 3 | L23E-1+50N | | 2 |
| L22E-1+50N | | 2 | L23E-1+25N | | 4 |
| L22E-1+25N | | 2 | L23E-1+00N | | 3 |
| L22E-1+00N | | <2 | L23E-0+75N | | 2 |
| L22E-0+75N | | 2 | L23E-0+50N | | 2 |
| L22E-0+50N | | 4 | L23E-0+25N | | 4 |
| L22E-0+25N | | 3 | L23E-BLO | | 2 |
| L22E-BLO | | <2 | L23E-0+25S | | 3 |
| L22E-0+25S | | <2 | L23E-0+50S | | 2 |
| L22E-0+50S | | 2 | L23E-1+50S | | 3 |
| L22E-0+75S | | 2 | L23E-1+75S | | <2 |
| L22E-1+25S | | <2 | L23E-2+00S | | 3 |
| L22E-1+50S | | 2 | L23E-2+25S | | <2 |
| L22E-2+00S | | 2 | L23E-2+50S | | 4 |
| L22E-2+25S | | 2 | L23E-2+75S | | 2 |
| L22E-2+50S | | 3 | L23E-3+00S | | <2 |
| L22E-2+75S | | <2 | L23E-3+25S | | 2 |
| L22E-3+00S | | 4 | L23E-3+50S | | 4 |
| L22E-3+25S | | 2 | L23E-4+00S | | 0 |
| L22E-3+50S | | 4 | L23E-4+25S | | 3 |
| L22E-3+75S | | <2 | L23E-4+50S | | 2 |
| L22E-4+00S | | <2 | L23E-4+75S | | 2 |
| L22E-7+00N | | <2 | | | |
| L23E-6+75N | | 3 | | | |
| L23E-6+50N | | <2 | | | |
| L23E-6+25N | | 5 | | | |
| L23E-6+00N | | 2 | | | |
| L23E-5+75N | | <2 | | | |
| L23E-5+50N | | <2 | | | |
| L23E-5+25N | | 3 | | | |
| L23E-5+00N | | 3 | | | |
| L23E-4+75N | | 3 | | | |
| L23E-4+50N | | <2 | | | |

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Geochemical
Lab Report

REPORT: 088-52608.0 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: CONGLOMERATE

SUBMITTED BY: R. MIDDAGH
DATE PRINTED: 5-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|---------|--------------------|-----------------------|------------|------------------------------|
| 1 | Mo | Molybdenum | 229 | 1 PPM | HCl-HNO ₃ , (1:3) |
| 2 | Au | Gold | 229 | 5 PPB | ACUA REGIA |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS | NUMBER |
|--------------|--------|----------------|--------|---------------------|--------|
| SOIL | 229 | -80 | 229 | Dry.Sieve -80 | 0 |

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**Geochemical
Lab Report**

REPORT: 088-52808.0

PROJECT: CONGLOMERATE

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB | SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB |
|---------------|---------------|--------|--------|---------------|---------------|--------|--------|
| L18E-7+25N | <1 | <5 | | L19E-5+25N | <1 | <5 | |
| L18E-7+00N | <1 | <5 | | L19E-5+00N | <1 | <5 | |
| L18E-6+75N | <1 | <5 | | L19E-4+50N | <1 | <5 | |
| L18E-6+50N | <1 | <5 | | L19E-4+25N | <1 | <5 | |
| L18E-6+25N | <1 | <5 | | L19E-4+00N | <1 | 44 | |
| L18E-6+00N | <1 | <5 | | L19E-2+75N | <1 | <5 | |
| L18E-5+75N | 1 | 7 | | L19E-2+50N | <1 | <5 | |
| L18E-5+50N | <1 | 5 | | L19E-1+00N | <1 | <5 | |
| L18E-5+25N | <1 | <5 | | L19E-0+75N | <1 | <5 | |
| L18E-5+00N | <1 | <5 | | L19E-0+50N | <1 | <5 | |
| L18E-4+75N | <1 | 7 | | L19E-0+25N | 1 | <5 | |
| L18E-4+50N | <1 | <5 | | L19E-0+00N | <1 | <5 | |
| L18E-4+25N | 1 | <5 | | L19E-0+75S | <1 | <5 | |
| L18E-3+75N | <1 | <5 | | L19E-0+50S | <1 | <5 | |
| L18E-3+50N | <1 | <5 | | L19E-1+00S | <1 | <5 | |
| L18E-3+25N | 1 | 8 | | L19E-1+50S | <1 | <5 | |
| L18E-2+50N | <1 | <5 | | L19E-1+75S | <1 | <5 | |
| L18E-0+75N | <1 | <5 | | L19E-2+00S | <1 | <5 | |
| L18E-0+50N | <1 | <5 | | L19E-2+25S | <1 | <5 | |
| L18E-0+25N | <1 | <5 | | L19E-2+50S | <1 | <5 | |
| L18E-3+00L | <1 | <5 | | L19E-2+75S | <1 | <5 | |
| L18E-3+25S | <1 | <5 | | L19E-3+00S | <1 | <5 | |
| L18E-0+50S | <1 | <5 | | L19E-3+25S | <1 | <5 | |
| L18E-0+75S | <1 | <5 | | L19E-3+50S | <1 | <5 | |
| L18E-1+00S | <1 | <5 | | L19E-3+75S | <1 | <5 | |
| L18E-1+25S | 1 | 5 | | L19E-4+00S | <1 | <5 | |
| L18E-1+50S | <1 | <5 | | L20E-7+00N | <1 | <5 | |
| L18E-1+75S | <1 | <5 | | L20E-7+25N | <1 | <5 | |
| L18E-2+00S | <1 | <5 | | L20E-7+50N | <1 | <5 | |
| L18E-3+50S | <1 | <5 | | L20E-6+75N | <1 | <5 | |
| L18E-3+75S | <1 | <5 | | L20E-6+50N | <1 | <5 | |
| L19E-7+35N | <1 | <5 | | L20E-6+25N | <1 | <5 | |
| L19E-7+25N | <1 | <5 | | L20E-6+00N | <1 | <5 | |
| L19E-7+00N | <1 | <5 | | L20E-5+75N | <1 | <5 | |
| L19E-6+75N | <1 | <5 | | L20E-5+50N | <1 | <5 | |
| L19E-6+50N | <1 | <5 | | L20E-5+25N | <1 | <5 | |
| L19E-6+25N | <1 | 6 | | L20E-5+00N | <1 | <5 | |
| L19E-6+00N | <1 | <5 | | L20E-4+75N | <1 | 7 | |
| L19E-5+75N | <1 | <5 | | L20E-4+50N | <1 | <5 | |
| L19E-5+50N | <1 | 10 | | L20E-4+25N | <1 | <5 | |

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**Geochemical
Lab Report**

REPORT: 068-52808.0

PROJECT: CONGLOMERATE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | Mo | Au | SAMPLE NUMBER | ELEMENT UNITS | Mo | Au |
|---------------|---------------|-----|-----|---------------|---------------|-----|-----|
| | | PPM | PPB | | | PPM | PPB |
| L20E-4+00N | | <1 | <5 | L21E-5+50N | | <1 | <5 |
| L20E-3+75N | | <1 | <5 | L21E-5+25N | | <1 | <5 |
| L20E-3+50N | | <1 | <5 | L21E-5+00N | | 1 | <5 |
| L20E-3+25N | | <1 | 5 | L21E-4+75N | | <1 | 9 |
| L20E-2+25N | | <1 | <5 | L21E-4+50N | | <1 | 6 |
| L20E-2+00N | | <1 | <5 | L21E-4+25N | | <1 | 6 |
| L20E-1+50N | | <1 | <5 | L21E-4+00N | | <1 | <5 |
| L20E-1+25N | | <1 | <5 | L21E-3+75N | | <1 | 7 |
| L20E-1+00N | | <1 | <5 | L21E-3+50N | | 1 | 5 |
| L20E-0+75N | | 1 | 8 | L21E-1+75N | | <1 | 7 |
| L20E-0+50N | | <1 | 13 | L21E-1+50N | | <1 | <5 |
| L20E-0+25N | | <1 | 8 | L21E-1+25N | | <1 | 10 |
| L20E-BL0 | | <1 | 7 | L21E-1+00N | | <1 | 6 |
| L20E-0+25S | | <1 | <5 | L21E-0+75N | | <1 | 9 |
| L20E-0+50S | | <1 | <5 | L21E-0+50N | | <1 | 12 |
| L20E-0+75S | | <1 | <5 | L21E-0+25N | | <1 | 6 |
| L20E-1+00S | | <1 | <5 | L21E-0+00 | | <1 | <5 |
| L20E-1+25S | | <1 | 5 | L21E-0+25S | | <1 | 24 |
| L20E-1+50S | | <1 | <5 | L21E-0+50S | | <1 | <5 |
| L20E-2+00S | | <1 | <5 | L21E-0+75S | | <1 | <5 |
| L20E-2+25S | | <1 | 6 | L21E-1+00S | | <1 | <5 |
| L20E-2+50S | | <1 | <5 | L21E-1+25S | | <1 | <5 |
| L20E-2+75S | | 1 | 6 | L21E-1+50S | | <1 | <5 |
| L20E-3+00S | | 1 | <5 | L21E-1+75S | | <1 | <5 |
| L20E-3+25S | | 1 | <5 | L21E-2+00S | | <1 | <5 |
| L20E-3+50S | | <1 | <5 | L21E-2+25S | | <1 | <5 |
| L20E-3+75S | | <1 | <5 | L21E-2+50S | | <1 | <5 |
| L20E-4+00S | | <1 | <5 | L21E-2+75S | | <1 | <5 |
| L20E-4+25S | | <1 | 5 | L21E-3+00S | | <1 | <5 |
| L20E-5+25S | | <1 | 8 | L21E-3+75S | | <1 | <5 |
| L20E-5+50S | | <1 | 6 | L21E-4+00S | | <1 | <5 |
| L21E-7+65N | | <1 | 5 | L21E-4+25S | | <1 | 36 |
| L21E-7+50N | | <1 | <5 | L22E-7+50N | | <1 | <5 |
| L21E-7+25N | | <1 | <5 | L22E-7+25N | | 1 | <5 |
| L21E-7+00N | | <1 | <5 | L22E-7+00N | | 1 | <5 |
| L21E-6+75N(A) | | <1 | <5 | L22E-6+75N | | 1 | <5 |
| L21E-6+75N(B) | | <1 | <5 | L22E-6+50N | | 1 | <5 |
| L21E-6+50N | | <1 | 7 | L22E-6+25N | | <1 | <5 |
| L21E-6+00N | | <1 | 12 | L22E-6+00N | | <1 | <5 |
| L21E-5+75N | | <1 | 8 | L22E-5+75N | | <1 | <5 |

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**Geochemical
Lab Report**

REPORT: 088-52808.0

PROJECT: CUMULONATE

PAGE 3

| SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB | SAMPLE NUMBER | ELEMENT UNITS | No PPM | Au PPB |
|---------------|---------------|--------|--------|---------------|---------------|--------|--------|
| L22E-5+50N | | <1 | <5 | L23E-4+25N | | <1 | <5 |
| L22E-5+25N | | <1 | <5 | L23E-4+00N | | <1 | <5 |
| L22E-5+00N | | 1 | <5 | L23E-3+75N | | <1 | <5 |
| L22E-4+75N | | <1 | <5 | L23E-3+00N | | <1 | <5 |
| L22E-4+50N | | <1 | <5 | L23E-2+75N | | <1 | <5 |
| L22E-4+25N | | <1 | <5 | L23E-2+00N | | <1 | 7 |
| L22E-4+00N | | <1 | <5 | L23E-1+75N | | <1 | <5 |
| L22E-3+75N | | <1 | <5 | L23E-1+50N | | <1 | <5 |
| L22E-1+50N | | <1 | <5 | L23E-1+25N | | <1 | 6 |
| L22E-1+25N | | <1 | <5 | L23E-1+00N | | <1 | 25 |
| L22E-1+00N | | 2 | <5 | L23E-0+75N | | <1 | <5 |
| L22E-0+75N | | 1 | <5 | L23E-0+50N | | <1 | <5 |
| L22E-0+50N | | 1 | <5 | L23E-0+25N | | <1 | 5 |
| L22E-0+25N | | 2 | <5 | L23E-0+00 | | <1 | <5 |
| L22E-0L0 | | <1 | <5 | L23E-0+25S | | <1 | <5 |
| L22E-0+25S | | <1 | <5 | L23E-0+50S | | <1 | <5 |
| L22E-0+50S | | <1 | <5 | L23E-1+50S | | <1 | <5 |
| L22E-0+75S | | <1 | <5 | L23E-1+75S | | <1 | <5 |
| L22E-1+25S | | <1 | 5 | L23E-2+00S | | <1 | 6 |
| L22E-1+50S | | <1 | <5 | L23E-2+25S | | <1 | 6 |
| L22E-2+00S | | 1 | <5 | L23E-2+50S | | <1 | <5 |
| L22E-2+25S | | <1 | <5 | L23E-2+75S | | <1 | <5 |
| L22E-2+50S | | <1 | <5 | L23E-3+00S | | <1 | <5 |
| L22E-2+75S | | <1 | 17 | L23E-3+25S | | <1 | <5 |
| L22E-3+00S | | <1 | <5 | L23E-3+50S | | <1 | <5 |
| L22E-3+25S | | <1 | <5 | L23E-4+00S | | <1 | <5 |
| L22E-3+50S | | <1 | 5 | L23E-4+25S | | <1 | <5 |
| L22E-3+75S | | <1 | <5 | L23E-4+50S | | <1 | <5 |
| L22E-4+00S | | 1 | <5 | L23E-4+75S | | <1 | 11 |
| L23E-7+00N | | <1 | 5 | | | | |
| L23E-6+75N | | <1 | <5 | | | | |
| L23E-6+50N | | <1 | <5 | | | | |
| L23E-6+25N | | <1 | 6 | | | | |
| L23E-6+00N | | <1 | <5 | | | | |
| L23E-5+75N | | <1 | <5 | | | | |
| L23E-5+50N | | <1 | <5 | | | | |
| L23E-5+25N | | <1 | <5 | | | | |
| L23E-5+00N | | <1 | <5 | | | | |
| L23E-4+75N | | <1 | <5 | | | | |
| L23E-4+50N | | <1 | <5 | | | | |

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Geochemical
Lab Report

REPORT: DBB-52953.0 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.

SUBMITTED BY: PIGANIOL

PROJECT: NONE

DATE PRINTED: 7-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|----------------------------|--------------------|-----------------------|-----------------|----------------------|
| 1 | Au New Au Newweighs | 2 | 1 PPB | | |
| 2 | Au New Au Newweighs | 2 | 1 PPB | | |
| 3 | Mo Molybdenum | 3/6 | 1 PPM | HCl-HNO3, (1:3) | Atomic Absorption |
| 4 | Au Gold | 3/6 | 5 PPB | AAS-A 2201A | EA-AA w 10 gm weight |
| 5 | Testut Fire Assay Test Wt. | 2 | 0.01 gms | | |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS | NUMBER |
|--------------|--------|----------------|--------|---------------------|--------|
| SOIL | 3/6 | -80 | 3/6 | Dry,Sieve -80 | 3/6 |

REPORT COPIES TO: MR. JOHN PIKE
FAX TO JOHN PIKE

INVOICE TO: MR. JOHN PIKE

AI

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Geochemical
Lab Report

REPORT: 088-52953.0

PROJECT: NONE

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| SAMPLE NUMBER | ELEMENT UNITS | Au Dev PPT | Au Res PPT | No PPT | Au PPT | Testwt gms |
|---------------|---------------|------------|------------|--------|--------|------------|
| L24E-7:60W | | | | <1 | 5 | |
| L24E-7:25N | | | | 1 | 5 | |
| L24E-7:00N | | | | <1 | 5 | |
| L24E-6:75N | | | | <1 | 6 | |
| L24E-6:50N | | | | <1 | 5 | |
| L24E-6:25N | | | | 1 | 10 | |
| L24E-6:00N | | | | 1 | 5 | |
| L24E-5:75N | | | | <1 | 5 | |
| L24E-5:50N | | | | <1 | 40 | |
| L24E-5:25N | | | | <1 | 13 | |
| L24E-5:00N | | | | <1 | 5 | |
| L24E-4:75N | | | | <1 | 5 | |
| L24E-4:50N | | | | <1 | 5 | |
| L24E-4:25N | | | | <1 | 24 | |
| L24E-4:00N | | | | <1 | 7 | |
| L24E-3:50N | | | | <1 | 5 | |
| L24E-3:25N | | | | <1 | 5 | |
| L24E-3:00N | | | | <1 | 8 | |
| L24E-2:75N | | | | <1 | 38 | |
| L24E-2:50N | | | | 1 | 31 | |
| L24E-2:25N | | | | 1 | 17 | |
| L24E-2:00N | | | | <1 | 19 | |
| L24E-1:75N | | | | 1 | 5 | |
| L24E-1:50N | | | | <1 | 5 | |
| L24E-1:25N | | | | <1 | 5 | |
| L24E-1:00N | | | | <1 | 7 | |
| L24E-0:75N | | | | <1 | 22 | |
| L24E-0:50N | | | | 1 | 5 | |
| L24E-0:25N | | | | <1 | 7 | |
| L24E-0:00N | | | | <1 | 7 | |
| L24E-0:25S | | | | <1 | 14 | |
| L24E-0:50S | | | | <1 | 27 | |
| L24E-0:75S | | | | <1 | 5 | |
| L24E-1:00S | | | | <1 | 23 | |
| L24E-1:25S | | | | <1 | 7 | |
| L24E-1:50S | | | | 1 | 13 | |
| L24E-1:75S | | | | <1 | 12 | |
| L24E-2:00S | | | | <1 | 10 | |
| L24E-2:25S | | | | <1 | 14 | |
| L24E-2:50S | | | | <1 | 10 | |

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Geochemical
Lab Report

REPORT: 038-52953.0

PROJECT: NONE

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | Au New PPB | Au New PPB | No PPM | Au PPB | Testwt gms |
|------------------|------------------|---------------|---------------|-----------|-----------|---------------|
| L24E-2+75S | | | | Q | 19 | |
| L24E-3+00S | | | | Q | 5 | |
| L24E-3+25S | | | | Q | 5 | |
| L24E-3+50S | | | | Q | 5 | |
| L24E-3+75S | | | | 1 | 5 | |
| L24E-4+00S | | | | 1 | 5 | |
| L24E-4+25S | | | | Q | 5 | |
| L25E-7+75N | | | | 1 | 5 | |
| L25E-7+50N | | | | 1 | 5 | |
| L25E-7+25N | | | | Q | 5 | |
| L25E-7+00N | | | | Q | 5 | |
| L25E-6+75N | | | | Q | 5 | |
| L25E-6+50N | | | | Q | 5 | |
| L25E-6+25N | | | | Q | 5 | |
| L25E-6+00N | | | | Q | 5 | |
| L25E-5+75N | | | | Q | 5 | |
| L25E-5+50N | | | | 1 | 5 | |
| L25E-5+25N | | | | Q | 5 | |
| L25E-5+00N | | | | Q | 5 | |
| L25E-4+75N | | | | Q | 5 | |
| L25E-4+50N | | | | Q | 5 | |
| L25E-4+25N | | | | Q | 5 | |
| L25E-4+00N | | | | Q | 5 | |
| L25E-3+75N | | | | Q | 5 | |
| L25E-3+50N | | | | Q | 5 | |
| L25E-3+25N | | | | Q | 5 | |
| L25E-3+00N | | | | Q | 5 | |
| L25E-2+75N | | | | 1 | 8 | |
| L25E-2+50N | | | | 1 | 7 | |
| L25E-2+25N | | | | Q | 9 | |
| L25E-2+00N | | | | Q | 5 | |
| L25E-1+75N | | | | Q | 7 | |
| L25E-1+50N | | | | Q | 6 | |
| L25E-1+25N | | | | Q | 5 | |
| L25E-1+00N | | | | Q | 10 | |
| L25E-0+75N | | | | Q | 8 | |
| L25E-0+50N | | | | 1 | 11 | |
| L25E-0+25N | | | | Q | 5 | |
| L25E-0+00S | | | | Q | 7 | |
| L25E-1+00S | | | | Q | 5 | |

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**Geochemical
Lab Report**

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PROJECT: NONE

PAGE 3

| SAMPLE NUMBER | ELEMENT UNITS | Au New PPM | Au New PPM | No PPM | Au Testut gms |
|---------------|---------------|------------|------------|--------|---------------|
| L26E-1+2S | Q | 5 | | | |
| L26E-1+50S | Q | 6 | | | |
| L26E-1+75S | Q | 7 | | | |
| L26E-2+00S | Q | 5 | | | |
| L26E-2+2S | Q | 5 | | | |
| L26E-2+50S | Q | 8 | | | |
| L26E-2+75S | Q | 5 | | | |
| L26E-3+00S | Q | 5 | | | |
| L26E-3+2S | Q | 5 | | | |
| L26E-3+50S | Q | 5 | | | |
| L26E-3+75S | Q | 5 | | | |
| L26E-4+00S | Q | 5 | | | |
| L26E-4+2S | Q | 5 | | | |
| L26E-8+00N | Q | 5 | | | |
| L26E-7+75N | Q | 5 | | | |
| L26E-7+50N | Q | 5 | | | |
| L26E-7+25N | Q | 5 | | | |
| L26E-6+00N | Q | 5 | | | |
| L26E-5+75N | Q | 5 | | | |
| L26E-5+50N | Q | 5 | | | |
| L26E-5+25N | Q | 5 | | | |
| L26E-5+00N | Q | 5 | | | |
| L26E-4+75N | Q | 5 | | | |
| L26E-4+50N | Q | 5 | | | |
| L26E-4+25N | Q | 5 | | | |
| L26E-3+25N | Q | 5 | | | |
| L26E-3+00N | Q | 5 | | | |
| L26E-2+75N | Q | 5 | | | |
| L26E-2+50N | Q | 5 | | | |
| L26E-2+00N | Q | 5 | | | |
| L26E-1+75N | Q | 36 | | | |
| L26E-1+50N | Q | 12 | | | |
| L26E-1+25N | Q | 5 | | | |
| L26E-1+00N | Q | 5 | | | |
| L26E-0+50N | Q | 7 | | | |
| L26E-0+25N | Q | 6 | | | |

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| SAMPLE NUMBER | ELEMENT | Au New | Au New | No | Au | Testwt |
|---------------|---------|--------|--------|-----|-----|--------|
| | UNITS | PPB | PPB | PPM | PPB | gms |
| L26E-150 | Q | G | | | | |
| L26E-0125S | Q | G | | | | |
| L26L-0150S | Q | G | | | | |
| L26E-0175S | Q | G | | | | |
| L26L-1100S | Q | 5 | | | | |
| L26E-1125S | Q | G | | | | |
| L26L-1150S | Q | 5 | | | | |
| L26E-1175S | Q | 7 | | | | |
| L26L-2100S | Q | G | | | | |
| L26L-2125S | Q | G | | | | |
| L26L-2150S | Q | G | | | | |
| L26E-3100S | Q | 5 | | | | |
| L26L-3125S | Q | G | | | | |
| L26E-3150S | Q | G | | | | |
| L26L-3175S | Q | G | | | | |
| L26E-4100S | Q | G | | | | |
| L26L-4125S | Q | G | | | | |
| L27E-7150N | Q | G | | | | |
| L27E-7175N | Q | G | | | | |
| L27E-7150N | Q | G | | | | |
| L27E-7125N | Q | G | | | | |
| L27E-7100N | Q | G | | | | |
| L27E-7125N | Q | G | | | | |
| L27E-6100N | Q | G | | | | |
| L27L-6175N | Q | G | | | | |
| L27E-5150N | Q | G | | | | |
| L27L-5125N | Q | G | | | | |
| L27E-5100N | Q | G | | | | |
| L27L-4175N | Q | G | | | | |
| L27E-4150N | Q | 11 | | | | |
| L27L-4125N | Q | G | | | | |
| L27E-2175N | Q | G | | | | |
| L27L-2150N | Q | G | | | | |
| L27E-2125N | Q | G | | | | |
| L27L-2100N | Q | G | | | | |
| L27E-1175N | Q | G | | | | |
| L27L-1150N | Q | G | | | | |
| L27E-1125N | Q | G | | | | |

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Geochemical
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| SAMPLE NUMBER | ELEMENT UNITS | Au New PPB | Au 2ew PPB | No | Au PPB | Testwt gss |
|------------------|------------------|---------------|---------------|-----|-----------|---------------|
| L272-1E00N | G | 4 | <1 | 151 | | |
| L272-0+75N | | | <1 | 5 | | |
| L272-0+50N | | | <1 | 5 | | |
| L272-0+25N | | | <1 | 5 | | |
| L272-BLO | | | <1 | 5 | | |
| L272-0+25S | | | <1 | 5 | | |
| L272-0+75S | | | <1 | 5 | | |
| L272-1100S | | | <1 | 5 | | |
| L272-1+25S | | | <1 | 5 | | |
| L272-1+50S | | | <1 | 5 | | |
| L272-1+75S | | | <1 | 5 | | |
| L272-2+00S | | | <1 | 5 | | |
| L272-2+25S | | | <1 | 5 | | |
| L272-2+50S | | | <1 | 5 | | |
| L272-2+75S | | | <1 | 5 | | |
| L272-3+00S | | | <1 | 5 | | |
| L272-3+25S | | | <1 | 5 | | |
| L272-3+50S | | | <1 | 5 | | |
| L272-3+75S | | | <1 | 5 | | |
| L272-4+00S | | | <1 | 5 | | |
| L272-4+25S | | | <1 | 5 | | |
| L272-5+00S | | | <1 | 5 | | |
| L272-5+25S | | | <1 | 5 | | |
| L272-5+50S | | | <1 | 5 | | |
| L272-5+75S | | | <1 | 5 | | |
| L282-7+75N | | | <1 | 5 | | |
| L282-7+50N | | | <1 | 34 | | |
| L282-7+25N | | | <1 | 22 | | |
| L282-7+00N | | | <1 | 5 | | |
| L282-6+75N | | | <1 | 57 | | |
| L282-6+50N | | | <1 | 5 | | |
| L282-6+25N | | | <1 | 5 | | |
| L282-6+00N | | | <1 | 5 | | |
| L282-5+75N | | | <1 | 5 | | |
| L282-5+50N | | | <1 | 5 | | |
| L282-5+25N | | | <1 | 5 | | |
| L282-5+00N | | | <1 | 5 | | |
| L282-4+75N | | | <1 | 5 | | |
| L282-4+50N | | | <1 | 5 | | |
| L282-4+25N | | | <1 | 5 | | |

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**Geochemical
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REPORT: 088-52953.0

PROJECT: NONE

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| SAMPLE NUMBER | ELEMENT UNITS | Au New ppm | Au New ppm | No | Au ppm | Testwt gms |
|------------------|------------------|---------------|---------------|----|-----------|---------------|
| L20E-4+00N | Q | G | | | | |
| L20E-3+75N | Q | G | | | | |
| L20E-3+25N | Q | G | | | | |
| L20E-2+75N | Q | G | | | | |
| L20E-2+50N | Q | G | | | | |
| L20E-2+25N | Q | G | | | | |
| L20E-2+00N | Q | G | | | | |
| L20E-1+75N | Q | G | | | | |
| L20E-1+50N | Q | G | | | | |
| L20E-1+25N | Q | G | | | | |
| L20E-1+00N | Q | G | | | | |
| L20E-0+75N | Q | G | | | | |
| L20E-0+50N | Q | G | | | | |
| L20E-0+25N | Q | G | | | | |
| L20E-0+00 | Q | G | | | | |
| L20E-1+00S | Q | G | | | | |
| L20E-1+25S | Q | QD | 5.00 | | | |
| L20E-1+50S | Q | G | | | | |
| L20E-1+75S | Q | G | | | | |
| L20E-2+00S | Q | G | | | | |
| L20E-2+25S | Q | G | | | | |
| L20E-2+50S | Q | G | | | | |
| L20E-2+75S | Q | G | | | | |
| L20E-3+00S | Q | G | | | | |
| L20E-3+25S | Q | G | | | | |
| L20E-3+50S | Q | G | | | | |
| L20E-3+75S | Q | G | | | | |
| L20E-4+00S | Q | G | | | | |
| L20E-4+25S | Q | G | | | | |
| L20E-4+50S | Q | G | | | | |
| L20E-4+75S | Q | G | | | | |
| L20E-5+00N | Q | J | | | | |
| L20E-3+00N | Q | G | | | | |
| L20E-7+75N | Q | G | | | | |
| L20E-7+50N | Q | 6 | | | | |
| L20E-7+25N | Q | G | | | | |
| L20E-7+00N | Q | G | | | | |
| L20E-6+75N | Q | G | | | | |
| L20E-6+50N | Q | G | | | | |
| L20E-6+25N | Q | G | | | | |
| L20E-6+00N | Q | G | | | | |

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Geochemical Lab Report

REPORT: 068-52953.0

PROJECT: NONE

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| SAMPLE | ELEMENT | Au New | Au New | No | Au | Testwt |
|------------|---------|--------|--------|-----|-----|--------|
| MATERIAL | UNITS | PPB | PPB | PPM | PPB | gms |
| L29E-3+5N | | | | <1 | 5 | |
| L29E-3+50N | | | | <1 | 5 | |
| L29E-3+25N | | | | <1 | 5 | |
| L29E-3+00N | | | | <1 | 5 | |
| L29E-4+5N | | | | <1 | 12 | |
| L29E-4+50N | | | | <1 | 5 | |
| L29E-4+25N | | | | <1 | 5 | |
| L29E-4+00N | | | | <1 | 5 | |
| L29E-3+50N | | | | <1 | 34 | |
| L29E-3+25N | | | | <1 | 39 | |
| L29E-3+00N | | | | <1 | 5 | |
| L29E-2+5N | | | | <1 | 5 | |
| L29E-2+50N | | | | <1 | 5 | |
| L29E-2+25N | | | | <1 | 5 | |
| L29E-2+00N | | | | <1 | 5 | |
| L29E-1+5N | | | | <1 | 17 | |
| L29E-1+50N | | | | <1 | 5 | |
| L29E-1+25N | | | | <1 | 5 | |
| L29E-1+00N | | | | <1 | 5 | |
| L29E-0+5N | | | | <1 | 5 | |
| L29E-0+50N | | | | <1 | 5 | |
| L29E-0+25N | | | | <1 | 5 | |
| L29E-BL0 | | | | <1 | 5 | |
| L29E-0+00N | | | | <1 | 5 | |
| L29E-0+50S | | | | <1 | 5 | |
| L29E-0+75S | | | | <1 | 5 | |
| L29E-1+00S | | | | <1 | 5 | |
| L29E-2+00S | | | | <1 | 5 | |
| L29E-2+25S | | | | <1 | 5 | |
| L29E-2+50S | | | | <1 | 5 | |
| L29E-2+75S | | | | <1 | 5 | |
| L29E-3+00S | | | | <1 | 28 | |
| L29E-3+25S | | | | <1 | 5 | |
| L29E-3+50S | | | | <1 | 5 | |
| L29E-3+75S | | | | <1 | 5 | |
| L29E-4+00S | | | | <1 | 5 | |
| L29E-4+25S | | | | <1 | 5 | |
| L30E-8+20N | | | | <1 | 5 | |
| L30E-0+00N | | | | <1 | 5 | |
| L30E-7+75N | | | | <1 | 5 | |

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**Geochemical
Lab Report**

REPORT: 053-32953.0

PROJECT: NONE

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| SAMPLE NUMBER | ELEMENT UNITS | Au Env | Au Int | No 228 | Au 228 | Test wt gms |
|---------------|---------------|--------|--------|--------|--------|----------------|
| L30E-7150N | | <1 | <5 | | | |
| L30E-7125N | | <1 | <5 | | | |
| L30E-7100N | | <1 | <5 | | | |
| L30E-6175N | | <1 | <5 | | | |
| L30E-6150N | | <1 | <5 | | | |
| L30E-6125N | | <1 | <5 | | | |
| L30E-6100N | | <1 | 19 | | | |
| L30E-5175N | | <1 | <5 | | | |
| L30E-5150N | | <1 | 38 | | | |
| L30E-5125N | | <1 | <5 | | | |
| L30E-5100N | | <1 | 29 | | | |
| L30E-4175N | | <1 | 6 | | | |
| L30E-4150N | | <1 | 8 | | | |
| L30E-4125N | <5 | <5 | <1 | 121 | | |
| L30E-4100N | | <1 | 21 | | | |
| L30E-3175N | | <1 | 25 | | | |
| L30E-3150N | | <1 | 8 | | | |
| L30E-3125N | | <1 | 23 | | | |
| L30E-3100N | | <1 | 44 | | | |
| L30E-2175N | | <1 | 36 | | | |
| L30E-2150N | | <1 | 34 | | | |
| L30E-2125N | | <1 | 5 | | | |
| L30E-2100N | | <1 | 41 | | | |
| L30E-1175N | | <1 | <5 | | | |
| L30E-1150N | | <1 | 20 | | | |
| L30E-1125N | | <1 | 52 | | | |
| L30E-1100N | | <1 | 51 | | | |
| L30E-0150N | | <1 | <5 | | | |
| L30E-0125N | | <1 | 14 | | | |
| L30E-0100S | | <1 | 10 | | | |
| L30E-0125S | | <1 | 8 | | | |
| L30E-0100S | | <1 | 12 | | | |
| L30E-0125S | | <1 | <5 | | | |
| L30E-1100S | | <1 | <5 | | | |
| L30E-1125S | | <1 | <5 | | | |
| L30E-1150S | | <1 | 5 | | | |
| L30E-1175S | | <1 | <5 | | | |
| L30E-2100S | | <1 | <5 | | | |
| L30E-2125S | | <1 | <5 | | | |
| L30E-2150S | | <1 | 7 | | | |

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**Geochemical
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REPORT: 088-52953.0

PROJECT: NONE

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| SAMPLE NUMBER | ELEMENT UNITS | Au Zew ppm | Au Zew ppm | No ppm | Au ppm | Testwt gms |
|---------------|---------------|------------|------------|--------|--------|------------|
| L30E-2+7SS | | | | Q | G | |
| L30E-3+00S | | | | Q | G | |
| L30E-3+25S | | | | Q | G | |
| L30E-5+25S | | | | Q | G | |
| L30E-5+50S | | | | Q | G | |
| L30E-5+75S | | | | Q | G | |
| L30E-6+00S | | | | Q | G | |
| L31E-8+40N | | | | Q | G | |
| L31E-8+25N | | | | Q | G | |
| L31E-8+00N | | | | 1 | G | |
| L31E-7+75N | | | | Q | 19 | |
| L31E-7+50N | | | | Q | G | |
| L31E-7+25N | | | | Q | G | |
| L31E-7+00N | | | | Q | G | |
| L31E-6+75N | | | | Q | G | |
| L31E-6+50N | | | | Q | G | |
| L31E-6+25N | | | | Q | G | |
| L31E-6+00N | | | | Q | G | |
| L31E-5+75N | | | | Q | G | |
| L31E-5+50N | | | | Q | G | |
| L31E-5+25N | | | | Q | G | |
| L31E-5+00N | | | | Q | G | |
| L31E-4+75N | | | | Q | G | |
| L31E-4+50N | | | | Q | G | |
| L31E-4+25N | | | | Q | G | |
| L31E-4+00N | | | | Q | G | |
| L31E-3+75N | | | | Q | G | |
| L31E-3+50N | | | | Q | 6 | |
| L31E-3+25N | | | | Q | 6 | 3.00 |
| L31E-2+75N | | | | Q | G | |
| L31E-2+50N | | | | Q | G | |
| L31E-2+00N | | | | Q | G | |
| L31E-1+75N | | | | Q | 64 | |
| L31E-1+50N | | | | Q | 5 | |
| L31E-1+25N | | | | Q | G | |
| L31E-1+00N | | | | Q | 32 | |
| L31E-0+75N | | | | Q | G | |
| L31E-0+25N | | | | Q | G | |
| L31E-0+00 | | | | Q | G | |

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REPORT: 033-52953.0

PROJECT: NONE

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| SAMPLE NUMBER | ELEMENT UNITS | Au New PPB | Au New PPB | No PPM | Au PPB | Testwt gms |
|------------------|------------------|---------------|---------------|-----------|-----------|---------------|
| L31E-0+25S | | | | Q | 5 | |
| L31E-0+50S | | | | Q | 5 | |
| L31E-0+75S | | | | Q | 5 | |
| L31E-1+00S | | | | Q | 5 | |
| L31E-1+25S | | | | Q | 21 | |
| L31E-1+50S | | | | Q | 5 | |
| L31E-1+75S | | | | Q | 5 | |
| L31E-2+00S | | | | Q | 5 | |
| L31E-2+25S | | | | Q | 5 | |
| L31E-2+50S | | | | Q | 5 | |
| L31E-2+75S | | | | Q | 5 | |
| L31E-3+00S | | | | Q | 5 | |
| L31E-3+25S | | | | Q | 5 | |
| L31E-3+50S | | | | Q | 5 | |
| L31E-3+75S | | | | Q | 24 | |
| L31E-4+00S | | | | Q | 5 | |

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**Geochemical
Lab Report**

REPORT: 088-52953.1 (COMPLETE)

REFERENCE INFO:

CLIENT: HIGH FRONTIER MINES LTD.
PROJECT: MORE

SUBMITTED BY: J. PIKE
DATE PRINTED: 5-OCT-88

| ORDER | ELEMENT | NUMBER OF ANALYSES | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|-------|-----------------|--------------------|-----------------------|------------|---------------|
| 1 | As Arsenic | 376 | 2 PPM | M-03-MC104 | Colourimetric |

| SAMPLE TYPES | NUMBER | SIZE FRACTIONS | NUMBER | SAMPLE PREPARATIONS | NUMBER |
|--------------|--------|----------------|--------|---------------------|--------|
| SOIL | 376 | -80 | 376 | As Received, No SP | 376 |

REMARKS: < MEANS LESS THAN

REPORT COPIES TO: MR. JOHN PIKE
FAX TO JOHN PIKE

INVOICE TO: MR. JOHN PIKE

A handwritten signature, possibly 'John Pike', is written over a large rectangular box at the bottom left of the page. A small circle is drawn around the letter 'J' in the signature.

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**Geochemical
Lab Report**

REPORT: 088-52953.1

PROJECT: N/A

PAGE 1

| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L24E-7+60N | | 2 | L24E-2+75S | | 2 |
| L24E-7+25N | | 4 | L24E-3+05S | | 2 |
| L24E-7+00N | | <2 | L24E-3+25S | | 2 |
| L24E-6+75N | | <2 | L24E-3+50S | | 3 |
| L24E-6+50N | | 3 | L24E-3+75S | | <2 |
| L24E-6+25M | | 6 | L24E-4+00S | | 5 |
| L24E-6+00N | | 6 | L24E-4+25S | | 2 |
| L24E-5+75N | | <2 | L25E-7+75N | | 7 |
| L24E-5+50N | | 2 | L25E-7+50N | | 2 |
| L24E-5+25M | | 3 | L25E-7+25N | | 2 |
| L24E-5+00N | | <2 | L25E-7+00N | | 3 |
| L24E-4+75N | | <2 | L25E-6+75N | | 2 |
| L24E-4+50N | | <2 | L25E-6+50N | | 2 |
| L24E-4+25M | | <2 | L25E-6+25N | | 2 |
| L24E-4+00N | | <2 | L25E-6+00N | | 2 |
| L24E-3+50N | | <2 | L25E-5+75N | | <2 |
| L24E-3+25N | | <2 | L25E-5+50N | | 4 |
| L24E-3+00N | | 3 | L25E-5+25N | | 2 |
| L24E-2+75N | | 2 | L25E-5+00N | | 3 |
| L24E-2+50N | | 16 | L25E-4+75N | | 3 |
| L24E-2+25N | | 4 | L25E-4+50N | | 2 |
| L24E-2+00N | | 2 | L25E-4+25N | | 2 |
| L24E-1+75N | | 3 | L25E-4+00N | | 2 |
| L24E-1+50N | | <2 | L25E-3+75N | | <2 |
| L24E-1+25N | | <2 | L25E-3+50N | | 2 |
| L24E-1+00N | | <2 | L25E-3+25N | | <2 |
| L24E-0+75N | | <2 | L25E-3+00N | | 3 |
| L24E-0+50N | | 2 | L25E-2+75N | | 6 |
| L24E-0+25N | | <2 | L25E-2+50N | | 2 |
| L24E-0L0 | | 3 | L25E-2+25N | | <2 |
| L24E-0 | | | L25E-2+00N | | |
| L24E-0+25S | | 3 | L25E-2+00N | | 6 |
| L24E-0+50S | | <2 | L25E-1+75N | | <2 |
| L24E-0+75S | | 2 | L25E-1+50N | | <2 |
| L24E-1+00S | | <2 | L25E-1+25N | | 5 |
| L24E-1+25S | | <2 | L25E-1+00N | | <2 |
| L24E-1+50S | | 2 | L25E-0+75N | | <2 |
| L24E-1+75S | | 2 | L25E-0+50N | | 2 |
| L24E-2+00S | | <2 | L25E-0L0 | | <2 |
| L24E-2+25S | | 2 | L25E-0+75S | | <2 |
| L24E-2+50S | | 3 | L25E-1+00S | | 4 |

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Geochemical Lab Report

REPORT: E88-52953.1

PROJECT: NAME

PAGE 2

| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | SAMPLE NUMBER | ELEMENT UNITS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L25E-1+25S | <2 | | L26E-6+0 | | 4 |
| L25E-1+5GS | 2 | | L26E-0+25S | | 4 |
| L25E-1+75S | 2 | | L26E-0+50S | | 2 |
| L25E-2+0GS | <2 | | L26E-0+75S | | <2 |
| L25E-2+25S | 4 | | L26E-1+0S | | <2 |
| L25E-2+5GS | <2 | | L26E-1+25S | | <2 |
| L25E-2+75S | 2 | | L26E-1+50S | | 2 |
| L25E-3+0GS | <2 | | L26E-1+75S | | 3 |
| L25E-3+25S | <2 | | L26E-2+0S | | 2 |
| L25E-3+5GS | 3 | | L26E-2+25S | | 3 |
| L25E-3+75S | 4 | | L26E-2+50S | | <2 |
| L25E-4+0GS | <2 | | L26E-3+0S | | 2 |
| L25E-4+25S | <2 | | L26E-3+25S | | <2 |
| L26E-8+00N | 3 | | L26E-3+50S | | <2 |
| L26E-7+75N | 5 | | L26E-3+75S | | <2 |
| L26E-7+50N | <2 | | L26E-4+00S | | <2 |
| L26E-7+25N | <2 | | L26E-4+25S | | <2 |
| L26E-7+00N | 6 | | L27E-7+90N | | 5 |
| L26E-6+75N | 2 | | L27E-7+75N | | 2 |
| L26E-6+50N | 2 | | L27E-7+50N | | 3 |
| L26E-6+25N | <2 | | L27E-7+25N | | 3 |
| L26E-6+00N | <2 | | L27E-7+00N | | 3 |
| L26E-5+75N | 2 | | L27E-6+75N | | 3 |
| L26E-5+50N | <2 | | L27E-6+50N | | <2 |
| L26E-5+25N | 2 | | L27E-6+25N | | 3 |
| L26E-5+00N | 4 | | L27E-6+00N | | 3 |
| L26E-4+75N | <2 | | L27E-5+75N | | 3 |
| L26E-4+50N | <2 | | L27E-5+50N | | <2 |
| L26E-4+25N | 5 | | L27E-5+25N | | 3 |
| L26E-3+25N | <2 | | L27E-5+00N | | 3 |
| L26E-3+00N | 2 | | L27E-4+75N | | 3 |
| L26E-2+75N | <2 | | L27E-4+50N | | 3 |
| L26E-2+50N | <2 | | L27E-4+25N | | 2 |
| L26E-2+00N | <2 | | L27E-2+75N | | 2 |
| L26E-1+75N | <2 | | L27E-2+50N | | 3 |
| L26E-1+50N | 2 | | L27E-2+25N | | <2 |
| L26E-1+25N | <2 | | L27E-2+00N | | 5 |
| L26E-1+00N | 4 | | L27E-1+75N | | 2 |
| L26E-0+50N | <2 | | L27E-1+50N | | 2 |
| L26E-0+25N | 3 | | L27E-1+25N | | 3 |

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Geochemical Lab Report

REPORT: 088-52953.1

PROJECT: K3-E

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| SAMPLE NUMBER | ELEMENT UNITS | AS PPM | SAMPLE NUMBER | ELEMENT UNITS | AS PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L27E-1+00N | | 3 | L28E-4+00N | | 2 |
| L27E-0+75% | | 3 | L28E-3+75% | | 2 |
| L27E-0+50% | | <2 | L28E-3+25% | | 3 |
| L27E-0+25% | | 3 | L28E-2+75% | | 4 |
| L27E-0+00 | | 2 | L28E-2+50% | | <2 |
| L27E-0+25S | | 3 | L28E-2+25% | | 2 |
| L27E-0+75S | | 2 | L28E-2+00N | | <2 |
| L27E-1+00S | | 3 | L28E-1+75% | | <2 |
| L27E-1+25S | | 6 | L28E-1+50% | | <2 |
| L27E-1+50S | | 2 | L28E-1+25% | | 2 |
| L27E-1+75S | | 2 | L28E-1+00N | | <2 |
| L27E-2+00S | | <2 | L28E-0+75% | | <2 |
| L27E-2+25S | | <2 | L28E-0+50% | | <2 |
| L27E-2+50S | | <2 | L28E-0+25% | | 3 |
| L27E-2+75S | | 2 | L28E-0+00 | | <2 |
| L27E-3+00S | | <2 | L28E-1+00S | | 2 |
| L27E-3+25S | | 17 | L28E-1+25S | | 7 |
| L27E-3+50S | | 3 | L28E-1+50S | | <2 |
| L27E-3+75S | | <2 | L28E-1+75S | | 3 |
| L27E-4+00S | | <2 | L28E-2+00S | | <2 |
| L27E-4+25S | | <2 | L28E-2+25S | | <2 |
| L27E-5+00S | | 3 | L28E-2+50S | | 4 |
| L27E-5+75S | | <2 | L28E-2+75S | | <2 |
| L27E-5+85S | | 3 | L28E-3+00S | | 3 |
| L28E-8+00N | | <2 | L28E-3+25S | | <2 |
| L28E-7+75% | | 2 | L28E-3+50S | | 2 |
| L28E-7+50% | | 2 | L28E-3+75S | | 2 |
| L28E-7+25% | | <2 | L28E-4+00S | | 2 |
| L28E-7+00N | | 3 | L28E-4+50S | | 6 |
| L28E-6+75% | | 5 | L28E-4+75S | | <2 |
| L28E-6+50% | | <2 | L29E-8+20% | | <2 |
| L28E-6+25% | | <2 | L29E-8+00% | | <2 |
| L28E-6+00% | | <2 | L29E-7+75% | | <2 |
| L28E-5+75% | | 2 | L29E-7+50% | | <2 |
| L28E-5+50% | | 2 | L29E-7+25% | | <2 |
| L28E-5+25% | | 4 | L29E-7+00N | | 2 |
| L28E-5+00% | | <2 | L29E-6+75% | | <2 |
| L28E-4+75% | | 2 | L29E-6+50% | | <2 |
| L28E-4+50% | | 3 | L29E-6+25% | | <2 |
| L28E-4+25% | | 4 | L29E-6+00% | | <2 |

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Geochemical Lab Report

REPORT: 088-52953.1

PROJECT: 30NE

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| SAMPLE NUMBER | ELEMENT UNITS | As PPM | SAMPLE NUMBER | ELEMENT UNITS | As PPM |
|---------------|---------------|--------|---------------|---------------|--------|
| L29E-5+75N | 3 | | L30E-7+50S | 7 | |
| L29E-5+50N | 2 | | L30E-7+25S | 6 | |
| L29E-5+25N | 2 | | L30E-7+0S | 2 | |
| L29E-5+00N | 2 | | L30E-6+75S | 2 | |
| L29E-4+75N | 3 | | L30E-6+50S | 3 | |
| L29E-4+50N | 2 | | L30E-6+25S | 8 | |
| L29E-4+25N | <2 | | L30E-6+0S | 2 | |
| L29E-4+00N | <2 | | L30E-5+75S | 4 | |
| L29E-3+50N | <2 | | L30E-5+50S | 3 | |
| L29E-3+25N | 2 | | L30E-5+25S | 7 | |
| L29E-3+00N | <2 | | L30E-5+0S | 2 | |
| L29E-2+75N | <2 | | L30E-4+75S | 4 | |
| L29E-2+50N | <2 | | L30E-4+50S | 5 | |
| L29E-2+25N | <2 | | L30E-4+25S | 4 | |
| L29E-2+00N | 2 | | L30E-4+00S | 5 | |
| L29E-1+75N | <2 | | L30E-3+75N | 5 | |
| L29E-1+50N | <2 | | L30E-3+50N | 5 | |
| L29E-1+25N | 2 | | L30E-3+25N | 8 | |
| L29E-1+00N | <2 | | L30E-3+00N | 2 | |
| L29E-0+75N | <2 | | L30E-2+75N | 3 | |
| L29E-0+50N | <2 | | L30E-2+50S | 5 | |
| L29E-0+25N | 3 | | L30E-2+25S | <2 | |
| L29E-0+00N | 2 | | L30E-2+00N | 2 | |
| L29E-1+75S | <2 | | L30E-1+75S | <2 | |
| L29E-1+50S | 5 | | L30E-1+50S | 2 | |
| L29E-2+00S | 2 | | L30E-0+50S | 3 | |
| L29E-2+25S | 3 | | L30E-0+25S | 2 | |
| L29E-2+50S | 3 | | L30E-0+00S | <2 | |
| L29E-2+75S | 3 | | L30E-1+25S | 2 | |
| L29E-3+00S | <2 | | L30E-1+00S | 2 | |
| L29E-3+25S | 5 | | L30E-0+75S | <2 | |
| L29E-3+50S | 7 | | L30E-1+00S | 3 | |
| L29E-3+75S | 2 | | L30E-1+25S | <2 | |
| L29E-4+00S | 3 | | L30E-1+50S | <2 | |
| L29E-4+25S | 3 | | L30E-1+75S | <2 | |
| L30E-8+20N | 4 | | L30E-2+00S | 3 | |
| L30E-8+00N | 4 | | L30E-2+25S | 3 | |
| L30E-7+75N | 4 | | L30E-2+50S | <2 | |

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**Geochemical
Lab Report**

REPORT: 038-52953.1

PROJECT: NOME

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| SAMPLE NUMBER | ELEMENT | AS UNITS | SAMPLE NUMBER | ELEMENT | AS UNITS |
|---------------|---------|----------|---------------|---------|----------|
| L30E-2+75S | | <2 | L31E-0+25S | | <2 |
| L30E-3+00S | | <2 | L31E-0+50S | | 3 |
| L30E-3+25S | | 3 | L31E-0+75S | | 3 |
| L30E-5+25S | | <2 | L31E-1+00S | | 4 |
| L30E-5+50S | | 3 | L31E-1+25S | | <2 |
| L30E-5+75S | | 2 | L31E-1+50S | | <2 |
| L30E-6+00S | | <2 | L31E-1+75S | | <2 |
| L31E-8+40N | | <2 | L31E-2+00S | | 2 |
| L31E-8+25N | | 3 | L31E-2+25S | | <2 |
| L31E-8+00N | | <2 | L31E-2+50S | | <2 |
| L31E-7+75N | | 4 | L31E-2+75S | | <2 |
| L31E-7+50N | | <2 | L31E-3+00S | | 2 |
| L31E-7+25N | | <2 | L31E-3+25S | | <2 |
| L31E-7+00N | | <2 | L31E-3+50S | | <2 |
| L31E-6+75N | | <2 | L31E-3+75S | | 2 |
| L31E-5+50N | | <2 | L31E-4+00S | | 2 |
| L31E-6+25N | | 2 | | | |
| L31E-6+00N | | 3 | | | |
| L31E-5+75N | | <2 | | | |
| L31E-5+50N | | <2 | | | |
| L31E-5+25N | | 3 | | | |
| L31E-5+00N | | 3 | | | |
| L31E-4+75N | | 3 | | | |
| L31E-4+50N | | 3 | | | |
| L31E-4+25N | | <2 | | | |
| L31E-4+00N | | 2 | | | |
| L31E-3+75N | | 2 | | | |
| L31E-3+50N | | 7 | | | |
| L31E-3+25N | | 2 | | | |
| L31E-2+75N | | 2 | | | |
| L31E-2+50N | | 3 | | | |
| L31E-2+25N | | 5 | | | |
| L31E-2+00N | | 4 | | | |
| L31E-1+75N | | 4 | | | |
| L31E-1+50N | | <2 | | | |
| L31E-1+25N | | 3 | | | |
| L31E-1+00N | | <2 | | | |
| L31E-0+75N | | 2 | | | |
| L31E-0+50N | | 2 | | | |
| L31E-0+25N | | 2 | | | |
| L31E-0+00N | | 2 | | | |

LAW OFFICES

William J. Sullivan
A PROFESSIONAL CORPORATION

SUMMIT OFFICE BUILDING, SUITE 200
4001 INDIAN SCHOOL ROAD, N.E.
POST OFFICE BOX 30107
ALBUQUERQUE, NEW MEXICO 87100
AREA CODE (505) 266-3993
TELECOPT (505) 266-3188

October 19, 1988

*Congratulations
Lake.*

VIA FEDERAL EXPRESS
AIRBILL NO. 7279408861

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
CANADA K1J 8X5

Gentlemen:

This office represents High Frontier Resources Limited.

Enclosed is a draft in the sum of \$17,468.76 in payment of the enclosed invoices.

Very truly yours,

Bill
WILLIAM J. SULLIVAN, ESQ.

WJS/ffq/8000H

Enclosures

cc w/encls.: Sharon/Vancouver
cc w/o encls.: John Pike/Vancouver

Val d'OR



OCT 07 1988

Bundar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
JOP 2H5

Invoice : 0142214, Page 1

Date : 3-OCT-88

Report No: 088-52806.1

Project : CONGLOMERATE

Reference:

| | | |
|-------------------------------|------------|-----------|
| 189 Analyses of Arsenic | at \$ 4.00 | \$ 756.00 |
| Subtotal | | \$ 756.00 |
| Less: 10.0% Contract Discount | | \$ 75.60 |
| Discounted Subtotal | | \$ 680.40 |

Sample Preparation

| | | |
|-----------------------------------|------------|---------|
| 189 Samples of As Received, No SP | at \$ 0.00 | \$ 0.00 |
| Subtotal | | \$ 0.00 |

Invoice Total: \$ 680.40 Cdn



OCT 11 1988

Bonar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X3
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
J0P 2H5

Invoice : 0142324, Page 1

Date : 5-OCT-88

Report No: 088-52807.0
Project : CONGLOMERATE
Reference:

| | | | |
|-------------------------------|------------|------------|----------------|
| 208 Analyses of Molybdenum | at \$ 2.50 | \$ 520.00 | |
| Subtotal | | \$ 520.00 | \$ 520.00 |
| Less: 10.0% Contract Discount | | \$ 52.00 | \$ 52.00 |
| Discounted Subtotal | | \$ 468.00 | \$ 468.00 |
| 208 Analyses of Gold | at \$ 7.50 | \$ 1560.00 | |
| Subtotal | | \$ 1560.00 | \$ 1560.00 |
| Less: 5.0% Contract Discount | | \$ 78.00 | \$ 78.00 |
| Discounted Subtotal | | \$ 1482.00 | \$ 1482.00 |
| Sample Preparation | | | |
| 208 Samples of Dry,Sieve -80 | at \$ 1.00 | \$ 208.00 | |
| Subtotal | | \$ 208.00 | \$ 208.00 |
| Invoice Total: | | | \$ 2158.00 Cdn |

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED



OCT 11 1988

Border-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
128 PERRAULT AVE.
VAL D'OR, QUEBEC
J0P 2H5

Invoice : 0142254, Page 1

Date : 4-OCT-88

Report No: 088-52808.1
Project : CONGLOMERATE
Reference:

| | | |
|-------------------------------|------------|-----------|
| 229 Analyses of Arsenic | at \$ 4.00 | \$ 916.00 |
| Subtotal | \$ 916.00 | \$ 916.00 |
| Less: 10.0% Contract Discount | \$ 91.60 | \$ 91.60 |
| Discounted Subtotal | \$ 824.40 | \$ 824.40 |

Sample Preparation

| | | |
|-----------------------------------|------------|---------|
| 229 Samples of As Received, No SP | at \$ 0.00 | \$ 0.00 |
| Subtotal | \$ 0.00 | \$ 0.00 |

Invoice Total: \$ 824.40 Cdn



OCT 21 1988

Bundar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
JOP 2H5

OCT 12 1988

Invoice : 0142400, Page 1

Date : 7-OCT-88

Report No: 088-52806.0

Project : CONGLOMERATE

Reference:

| | | | |
|-------------------------------|------------|-----------|-----------|
| 189 Analyses of Molybdenum | at \$ 2.50 | \$ 472.50 | |
| Subtotal | | \$ 472.50 | \$ 472.50 |
| Less: 10.0% Contract Discount | | \$ 47.25 | \$ 47.25 |
| Discounted Subtotal | | \$ 425.25 | \$ 425.25 |

| | | | |
|-----------------------------------|------------|------------|------------|
| 189 Analyses of Gold | at \$ 7.50 | \$ 1417.50 | |
| 1 Analyses of Au Reweighs | at \$ 0.00 | \$ 0.00 | |
| 1 Analyses of Fire Assay Test Wt. | at \$ 0.00 | \$ 0.00 | |
| Subtotal | | \$ 1417.50 | \$ 1417.50 |
| Less: 5.0% Contract Discount | | \$ 70.87 | \$ 70.87 |
| Discounted Subtotal | | \$ 1346.63 | \$ 1346.63 |

Sample Preparation

| | | | |
|------------------------------|------------|-----------|-----------|
| 189 Samples of Dry,Sieve -80 | at \$ 1.00 | \$ 189.00 | |
| Subtotal | | \$ 189.00 | \$ 189.00 |

Invoice Total: \$ 1960.88 Cdn



Bunnar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 063-3233

OCT 11 1988

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
JOP 2H5

Invoice : 0142323, Page 1

Date : 5-OCT-88

Report No: 088-52808.0
Project : CONGLOMERATE
Reference:

| | | | |
|-------------------------------|------------|-----------|-----------|
| 229 Analyses of Molybdenum | at \$ 2.50 | \$ 572.50 | |
| Subtotal | | \$ 572.50 | \$ 572.50 |
| Less: 10.0% Contract Discount | | \$ 57.25 | \$ 57.25 |
| Discounted Subtotal | | \$ 515.25 | \$ 515.25 |

| | | | |
|------------------------------|------------|------------|------------|
| 229 Analyses of Gold | at \$ 7.50 | \$ 1717.50 | |
| Subtotal | | \$ 1717.50 | \$ 1717.50 |
| Less: 5.0% Contract Discount | | \$ 85.87 | \$ 85.87 |
| Discounted Subtotal | | \$ 1631.63 | \$ 1631.63 |

Sample Preparation

| | | | |
|------------------------------|------------|-----------|-----------|
| 229 Samples of Dry,Sieve -80 | at \$ 1.00 | \$ 229.00 | |
| Subtotal | | \$ 229.00 | \$ 229.00 |

Invoice Total: \$ 2375.88 Cdn



OCT 11 1988

Border-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 6X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
J0P 2H5

Invoice : 0142212, Page 1

Date : 3-OCT-88

Report No: 088-52807.1
Project : CONGLOMERATE
Reference:

| | | | |
|-------------------------------|------------|-----------|-----------|
| 208 Analyses of Arsenic | at \$ 4.00 | \$ 832.00 | . |
| Subtotal | | \$ 832.00 | \$ 832.00 |
| Less: 10.0% Contract Discount | | \$ 83.20 | \$ 83.20 |
| Discounted Subtotal | | \$ 748.80 | \$ 748.80 |

Sample Preparation

| | | | |
|-----------------------------------|------------|---------|---------|
| 208 Samples of As Received, No SP | at \$ 0.00 | \$ 0.00 | . |
| Subtotal | | \$ 0.00 | \$ 0.00 |

Invoice Total: \$ 748.80 Cdn



OCT 13 1988

Border-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
JOP 2H5

Invoice : 0142395, Page 1

Date : 7-OCT-88

Report No: 088-52953.0

Project : NONE

Reference:

| | | |
|-------------------------------|------------|-----------|
| 376 Analyses of Molybdenum | at \$ 2.50 | \$ 940.00 |
| Subtotal | | \$ 940.00 |
| Less: 10.0% Contract Discount | | \$ 94.00 |
| Discounted Subtotal | | \$ 846.00 |

| | | |
|-----------------------------------|------------|------------|
| 376 Analyses of Gold | at \$ 7.50 | \$ 2820.00 |
| 2 Analyses of Au Reweighs | at \$ 0.00 | \$ 0.00 |
| 2 Analyses of Au Reweighs | at \$ 0.00 | \$ 0.00 |
| 2 Analyses of Fire Assay Test Wt. | at \$ 0.00 | \$ 0.00 |
| Subtotal | | \$ 2820.00 |
| Less: 5.0% Contract Discount | | \$ 141.00 |
| Discounted Subtotal | | \$ 2679.00 |

Sample Preparation

| | | |
|------------------------------|------------|-----------|
| 376 Samples of Dry,Sieve -80 | at \$ 1.00 | \$ 376.00 |
| Subtotal | | \$ 376.00 |

Invoice Total: \$ 3901.00 Cdn



OCT 13 1988

Bardar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
J0P 2H5

Invoice : 0142287. Page 1

Date : 5-OCT-88

Report No: 088-52953.1

Project : NONE

Reference:

| | | | |
|-------------------------------|------------|------------|------------|
| 370 Analyses of Arsenic | at \$ 4.00 | \$ 1504.00 | |
| Subtotal | | \$ 1504.00 | \$ 1504.00 |
| Less: 10.0% Contract Discount | | \$ 150.40 | \$ 150.40 |
| Discounted Subtotal | | \$ 1353.60 | \$ 1353.60 |

Sample Preparation

| | | | |
|-----------------------------------|------------|---------|---------|
| 370 Samples of As Received, No SP | at \$ 0.00 | \$ 0.00 | |
| Subtotal | | \$ 0.00 | \$ 0.00 |

Invoice Total: \$ 1353.60 Cdn



Borden-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

OCT 13 1988

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
JOP 2H5

Invoice : 0142399, Page 1

Date : 60-000-52

Report No: 088-52805.0

Project : CONGLOMERATE

Reference:

| | | |
|-------------------------------|------------|-----------|
| 248 Analyses of Molybdenum | at \$ 2.50 | \$ 620.00 |
| Subtotal | | \$ 620.00 |
| Less: 10.0% Contract Discount | | \$ 62.00 |
| Discounted Subtotal | | \$ 558.00 |

| | | |
|------------------------------|------------|------------|
| 248 Analyses of Gold | at \$ 7.50 | \$ 1860.00 |
| Subtotal | | \$ 1860.00 |
| Less: 5.0% Contract Discount | | \$ 93.00 |
| Discounted Subtotal | | \$ 1767.00 |

Sample Preparation

| | | |
|------------------------------|------------|-----------|
| 248 Samples of Dry,Sieve -80 | at \$ 1.00 | \$ 248.00 |
| Subtotal | | \$ 248.00 |

Invoice Total: \$ 2573.00 Cdn



988

OCT 05 1985

Bowler-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3230

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
J0P 2H5

Invoice : 0142108, Page 1

Date : 29-SEP-88

Report No: 088-52805.1

Project : CONGLOMERATE

Reference:

| | | | |
|-------------------------------|------------|-----------|-----------|
| 248 Analyses of Arsenic | at \$ 4.00 | \$ 992.00 | |
| Subtotal | | \$ 992.00 | \$ 992.00 |
| Less: 10.0% Contract Discount | | \$ 99.20 | \$ 99.20 |
| Discounted Subtotal | | \$ 892.80 | \$ 892.80 |

Sample Preparation

| | | | |
|-----------------------------------|------------|---------|---------|
| 248 Samples of As Received, No SP | at \$ 0.00 | \$ 0.00 | |
| Subtotal | | \$ 0.00 | \$ 0.00 |

Invoice Total: \$ 892.80 Cdn



988

OCT 05 1988

Boulder-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 8X5
(613) 749-2220 Telex 053-3233

HIGH FRONTIER MINES LTD.
MR. JOHN PIKE
188 PERRAULT AVE.
VAL D'OR, QUEBEC
JOP 2H5

Invoice : 0142108, Page 1

Date : 29-SEP-88

Report No: 088-52805.1
Project : CONGLOMERATE
Reference:

| | | | |
|-------------------------------|------------|-----------|-----------|
| 248 Analyses of Arsenic | at \$ 4.00 | \$ 992.00 | . |
| Subtotal | | \$ 992.00 | \$ 992.00 |
| Less: 10.0% Contract Discount | | \$ 99.20 | \$ 99.20 |
| Discounted Subtotal | | \$ 892.80 | \$ 892.80 |

Sample Preparation

| | | | |
|-----------------------------------|------------|---------|---------|
| 248 Samples of As Received, No SP | at \$ 0.00 | \$ 0.00 | . |
| Subtotal | | \$ 0.00 | \$ 0.00 |

Invoice Total: \$ 892.80 Cdn



Ministry of
Natural
Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

La...
DOCUMENT
W8804



42E13NE0019 2.11944 CASTLEWOOD LAKE

900
CONTINUED

2.11944

The Mining Act

... THE LAWS OF CANADA, 1976.

- Do not use shaded areas below.

Type of Survey(s)

GEOCHEMICAL W8804 00676.

Township or Area

CASTLEWOOD LAKE (G-22)

Claim Holder(s)

HIGH FRONTIER RESOURCES LTD.

Prospector's Licence No.

T 5236

Address

188 PERRAULT, VAL D'OR, QUE.

J1B 2H5

Survey Company

PHANTOM EXPLORATION SERVICES LTD

Date of Survey (from & to)

16 JUN 1988 31 JULY 1988

Total Miles of line Cut

78.3 km

Name and Address of Author (of Geo-Technical report)

R.D.MIDDAGH 736 ALICE AVE RP #14 THUNDER BAY ONT 778 565

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions

Geophysical Days per Claim

- Electromagnetic
- Magnetometer

Geological Days per Claim

- Radiometric
- Other

Geochemical Days per Claim

See attached sheet -

Man Days

Complete reverse side
and enter total(s) here

RECEIVED

JAN 12 1989

MINING LANDS SECTION

Geological Days per Claim

Geochemical Days per Claim

Airborne Credits

Note: Special provisions
credits do not apply
to Airborne Surveys.

Electromagnetic Days per Claim

Magnetometer Days per Claim

Radiometric Days per Claim

Expenditures (excludes power stripping)

Type of Work Performed

GEOCHEMICAL ANALYSES (Au, Hg, As)

Performed on Claim(s)

See attached list -

HIGH FRONTIER RES : CONGLOMERATE
LAKE.

Calculation of Expenditure Days Credits

Total Expenditures

$$\$ 17,468 + 15 = 1164$$

Total Days Credits

Instructions

Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work.

24

Date

DEC 5/88

Recorded Holder or Agent (Signature)

R.D.Middagh

| For Office Use Only | |
|---------------------------|-----------------|
| Total Days Cr. Recorded | Date Recorded |
| 2243 | Dec 19 1988 |
| Date Approved as Recorded | Miner Recorder |
| See revised statement. | Branch Director |

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying



Geophysical-Geological-Geochemical
Technical Data Statement

File _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken _____ See attached sheet.

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOCHEMICAL

Township or Area CASLEWOOD LAKE (E-22)
Claim Holder(s) HIGH FRONTIER RESOURCES
Survey Company PHANTOM EXPLORATION SERVICES LTD
Author of Report R.D. MIDDLEBROOK
Address of Author 116 ALICE AVE RR #1 THUNDER BAY ON
Covering Dates of Survey Aug 15/88 - Dec 5/88
(including to office)
Total Miles of Line Cut 28.3 Km

SPECIAL PROVISIONS
CREDITS REQUESTED DAYS per claim
ENTER 40 days (includes line cutting) for first survey.
ENTER 20 days for each additional survey using same grid.

AIRBORNE CREDITS (special provision credits do not apply to airborne surveys)
Magnetometer Electromagnetic Radiometric _____
(enter days per claim)
DATE: Dec 1/88 SIGNATURE: R. Middlebrook
Author of Report or Agent

General _____
Res. Geol. _____ Qualifications 2.63s
Previous Surveys _____
File No. _____ Type _____ Date _____ Claim Holder _____

837 (8512)

| | | |
|---|---|--------------------------|
| Total Number of Samples <u>1245</u> | ANALYTICAL METHODS | |
| Type of Sample <u>Soil</u> (Nature of Material) | Values expressed in: | per cent |
| Average Sample Weight <u>300 gm</u> | <input type="checkbox"/> | <input type="checkbox"/> |
| Method of Collection <u>by hand</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Soil Horizon Sampled <u>"B"</u> | Cu, Pb, Zn, Ni, Co, Ag, Mo, As (circle) | |
| Horizon Development <u>soil</u> | Others <u>None</u> | |
| Sample Depth <u>12"-15"</u> | Field Analysis (<u>tests</u>) | |
| Terrain <u>flat</u> | Extraction Method _____ | |
| Drainage Development <u>poor</u> | Analytical Method _____ | |
| Estimated Range of Overburden Thickness <u>0 - 40'</u> | Reagents Used _____ | |
| Field Laboratory Analysis | | |
| No. (<u>tests</u>) | Geophysical | |
| Extraction Method _____ | -Electromagnetic | |
| Analytical Method _____ | -Magnetometer | |
| Reagents Used _____ | -Radiometric | |
| Geological <u>4D</u> | | |
| Geochemical _____ | | |
| Commercial Laboratory (<u>tests</u>) | | |
| Name of Laboratory <u>Borden Clqg</u> | Name of Laboratory <u>Borden Clqg</u> | |
| Extraction Method <u>Agno Dsgn/Colometric</u> | Extraction Method <u>Agno Dsgn/Colometric</u> | |
| Analytical Method <u>"A/F"</u> | Analytical Method <u>"A/F"</u> | |
| Reagents Used _____ | Reagents Used _____ | |
| <u>SAMPLE PREPARATION</u> (Includes drying, screening, crushing, ashing) | | |
| Mesh size of fraction used for analysis <u>- 80 mesh</u> | | |
| <u>GENERAL</u> | | |
| General _____ | | |

TOTAL CLAIMS 27

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

| | |
|--|--------------------------|
| Number of Stations _____ | Number of Readings _____ |
| Station interval _____ | Line spacing _____ |
| Profile scale _____ | |
| Contour interval _____ | |
| Instrument _____ | |
| Accuracy – Scale constant _____ | |
| Diurnal correction method _____ | |
| Base Station check-in interval (hours) _____ | |
| Base Station location and value _____ | |
| | |
| Instrument _____ | |
| Coil configuration _____ | |
| Coil separation _____ | |
| Accuracy _____ | |
| Method: <input type="checkbox"/> Fixed transmitter <input type="checkbox"/> Shoot back <input type="checkbox"/> In line <input type="checkbox"/> Parallel line | |
| Frequency _____ (specify V.L.F. station) | |
| Parameters measured _____ | |
| Instrument _____ | |
| Scale constant _____ | |
| Corrections made _____ | |
| Base station value and location _____ | |
| Elevation accuracy _____ | |
| Instrument _____ | |
| Method <input type="checkbox"/> Time Domain <input type="checkbox"/> Frequency Domain | |
| Parameters – On time _____ | |
| – Off time _____ | |
| – Delay time _____ | |
| – Integration time _____ | |
| Power _____ | |
| Electrode array _____ | |
| Electrode spacing _____ | |
| Type of electrode _____ | |

SELF POTENTIAL

Instrument _____
Survey Method _____

Range _____

Corrections made _____

RADIOMETRIC

Instrument _____
Values measured _____

Energy windows (levels) _____

Height of instrument _____

Size of detector _____

Overburden _____
(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____
(specify for each type of survey)

Accuracy _____
(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

INDUCED POLARIZATION

Line Spacing _____
Over claims only _____

Type of electrode _____

12/13/88

HIGH FRONTIER RES: CONGLOMERATE LAKE

Page 1

| PROJ NAME | TAG NO | TOWNSHIP | WORK DAYS |
|-------------------|-----------|-----------------|-----------|
| CONGLOMERATE LAKE | TB 880136 | CASTLEWOOD LAKE | 83.1 |
| CONGLOMERATE LAKE | TB 880137 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880138 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880139 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880140 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880141 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880142 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880143 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880144 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880145 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880146 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880147 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880148 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880149 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880150 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880151 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880152 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880153 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880154 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880155 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880156 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880157 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880158 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880159 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880160 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880161 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880162 | CASTLEWOOD LAKE | |

27 claims

2243.7 days



Ministry of
Northern Development
and Mines

Technical Assessment
Work Credits

File
2.11944

Date

January 18, 1989

Mining Recorder's Report of
Work No. W8804-676

Recorded Holder

High Frontier Resources Ltd.

Township or Area

Castlewood Lake Area

| Type of survey and number of Assessment days credit per claim | Mining Claims Assessed |
|--|--|
| Geophysical | |
| Electromagnetic _____ days | |
| Magnetometer _____ days | \$17,468.00 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS: |
| Radiometric _____ days | |
| Induced polarization _____ days | TB 880136 to 42 inclusive 880144 to 62 inclusive |
| Other _____ days | |
| Section 77 (19) See "Mining Claims Assessed" column | |
| Geological _____ days | |
| Geochemical _____ days | |
| Man days <input type="checkbox"/> | Airborne <input type="checkbox"/> |
| Special provision <input type="checkbox"/> | Ground <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. | |
| <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | |
| 1,164 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980. | |

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

**Technical Assessment
Work Credits**

File
2.11944

Date
January 25, 1989

Mining Recorder's Report of
Work No. **W8804-676**

AMENDED

Recorded Holder

High Frontier Resources Ltd.

Township or Area

Castlewood Lake Area

| Type of survey and number of Assessment days credit per claim | Mining Claims Assessed |
|--|-----------------------------------|
| Geophysical | |
| Electromagnetic _____ days | |
| Magnetometer _____ days | |
| Radiometric _____ days | |
| Induced polarization _____ days | |
| Other _____ days | |
| Section 77 (19) See "Mining Claims Assessed" column | |
| Geological _____ days | |
| Geochemical 29 _____ days | |
| Man days <input type="checkbox"/> | Airborne <input type="checkbox"/> |
| Special provision <input type="checkbox"/> | Ground <input type="checkbox"/> |
| <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | |

TB 880136 to 62 inclusive

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

12/13/88

HIGH F. IER RES. CONGLOMERATE LAKE
Page 1

| PROJ NAME | TAG NO | TOWNSHIP | WORK DAYS |
|-------------------|-----------|-----------------|-----------|
| CONGLOMERATE LAKE | TB 880136 | CASTLEWOOD LAKE | 83.1 43.1 |
| CONGLOMERATE LAKE | TB 880137 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880138 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880139 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880140 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880141 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880142 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880143 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880144 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880145 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880146 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880147 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880148 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880149 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880150 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880151 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880152 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880153 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880154 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880155 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880156 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880157 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880158 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880159 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880160 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880161 | CASTLEWOOD LAKE | |
| CONGLOMERATE LAKE | TB 880162 | CASTLEWOOD LAKE | |

27 claims

2243.7 days

RECEIVED
THUNDER BAY
MINING INSPECTION
'88 DEC 19 PM 2 06

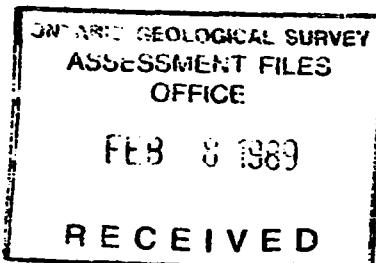


Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

February 7, 1989



Mining Lands Section
3rd floor, 880 Bay Street
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

Your file: W8804-676
Our file: 2.11944

Mining Recorder
Ministry of Northern Development and Mines
435 James Street South
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Sir:

Re: Amended Notice of Intent dated January 25, 1989
Geochemical Survey and Data for Assaying
submitted on Mining Claims TB 880136 et al in Castlewood Lake Area

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

AB:pl
Enclosure

cc: Mr. G.H. Ferguson
Mining and Lands Commissioner
Toronto, Ontario

Resident Geologist
Thunder Bay, Ontario

High Frontier Resources Ltd.
188 Perreault
Val d'Or, Quebec
J9P 2H5

Mr. R.D. Middaugh
736 Alice Ave.
RR #14
Thunder Bay, Ontario
P7B 5E5

NOTES

LAKES, RIVERS ETC. FROM FOREST

RESOURCES INVENTORY SHEET NO. 498873

SURVEYS

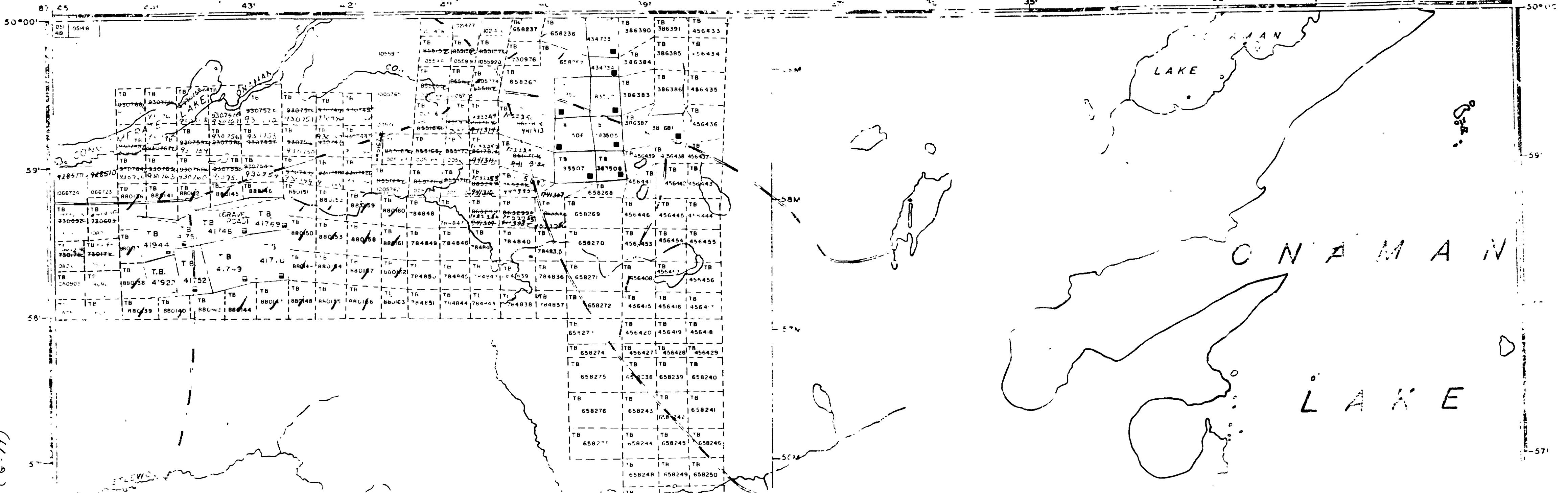
TOPOGRAPHY

LAKES, RIVERS ETC. FROM FOREST

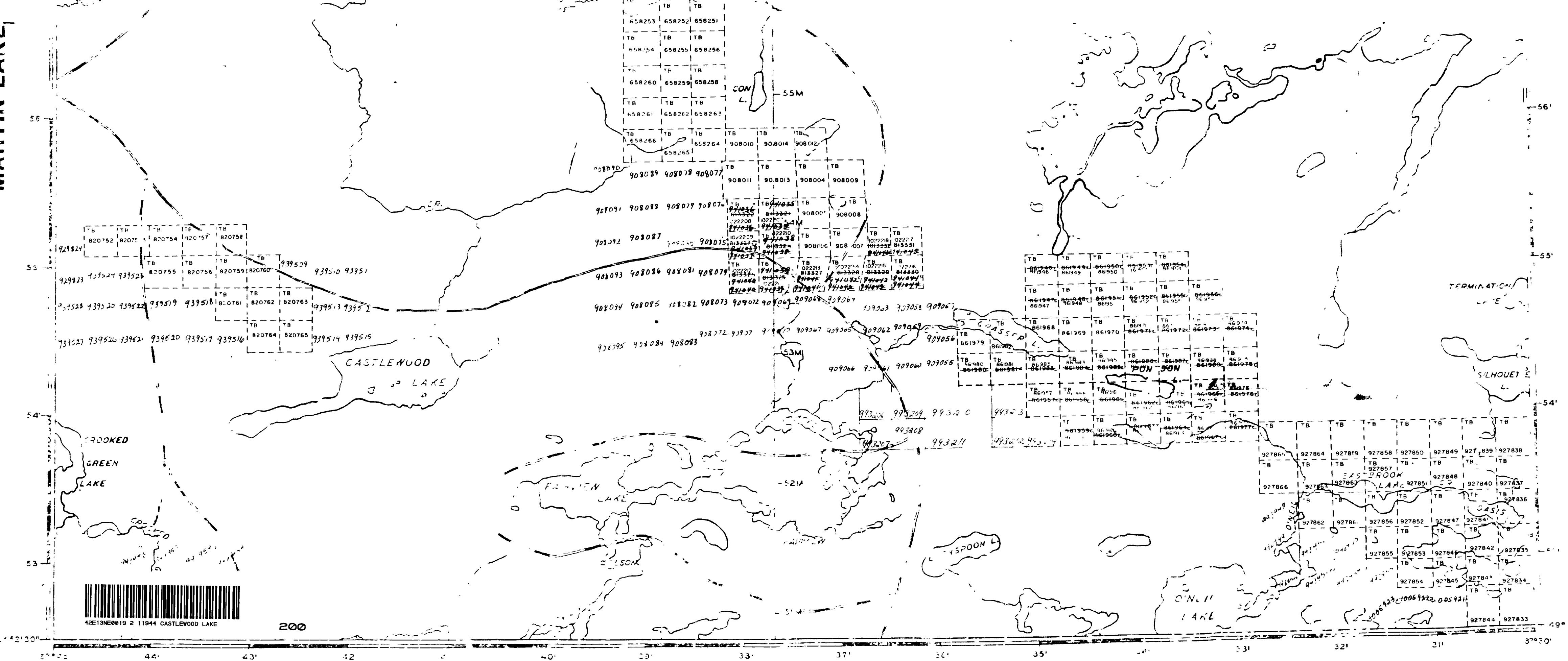
RESOURCES INVENTORY SHEET NO. 498873

MERIDIAN LINE SURVEYS BY PHILLIPS AND BENNER,
O.L.S.'S., 1916. FIELD NOTE BOOK NO. 247488 SEP 20 JULY 10 1986
THERESA B.
G-22

COUGHLAN LAKE (G-26)



MARTIN LAKE (G-79)



42E13NE0019 2 11944 CASTLEWOOD LAKE

200

KABY LAKE (G-59)

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT

PATENT, SURFACE & MINING RIGHTS

- SURFACE RIGHTS ONLY

- MINING RIGHTS ONLY

LEASE, SURFACE & MINING RIGHTS

- SURFACE RIGHTS ONLY

- MINING RIGHTS ONLY

LICENCE OF OCCUPATION

ORDER IN COURT

RESERVATION

CANCELLATION

SAND & GRAVEL

NOTE: MINING RIGHTS IN PARCELS VESTED IN 1913
1913 VESTED IN ORIGINAL PATENTEE
PUBLIC LANDS ACT, R.C. 1970, CHA 360 EPC BY SUBJECT

LEGEND

| | |
|--------------------------|------------|
| PAVED ROAD | ██████████ |
| GRAVEL ROAD | ██████████ |
| OTHER ROADS | ██████████ |
| TRAIL OR PATH | ██████████ |
| HIGHWAY | ██████████ |
| STRUCTURE AREA | ██████████ |
| TELEPHONE LINE | ██████████ |
| RAILROAD & RIGHT OF WAY | ██████████ |
| RAPIDS, FORTS, ETC. | ██████████ |
| NON-PERENNIAL STREAM | ██████████ |
| EDGE OF CLEARING | ██████████ |
| TREELESS MUSKEG OR MARSH | ██████████ |
| BRIDGE, BUILDINGS | ██████████ |

SCALE: 1 INCH = 40 CHAINS

| | |
|--------|----------------------------|
| FEET | 0 1000 2000 3000 4000 5000 |
| METERS | 0 200 400 600 800 1000 |

AREA CASTLEWOOD LAKE

M.N.R. ADMINISTRATIVE DISTRICT

NIPIGON

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

THUNDER BAY

Ministry of Natural Resources and Mines
Ontario

July 1986

Dated: July 7, 1986

G-22

