

5720

GEOCHEMICAL REPORT

ON THE

YELLOW, BLUE, GREEN, GRO GROUPS

BANK AND BANKER MINERAL CLAIMS

BANKS ISLAND, B.C. SKEENA, M.D.

Latitude  $53^{\circ}22'30''N$ , Longitude  $130^{\circ}12'00''W$

N. T. S. 103-G-8

Vancouver, B.C.

November 26, 1975

I.L. Elliott, P. Eng.

|  |
|--|
| Department of<br>Mines and Petroleum Resources<br>ASSESSMENT REPORT<br>NO. <u>5720</u> MAP _____ |
|--|

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| #1     | 200 100 100 100 100                            |  |                 |
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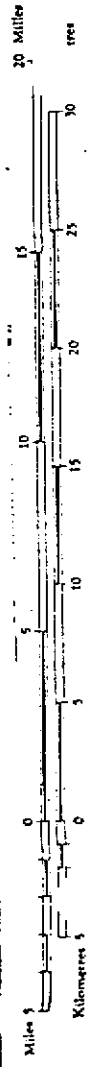


5720 M<sup>2</sup>-1

LOCATION MAP  
BANK AND BANKER CLAIMS

Lat. 53° 22' 30" N. Long. 130° 12' 00"

Scale: 1:200,000  
1" = 3.2 mi.



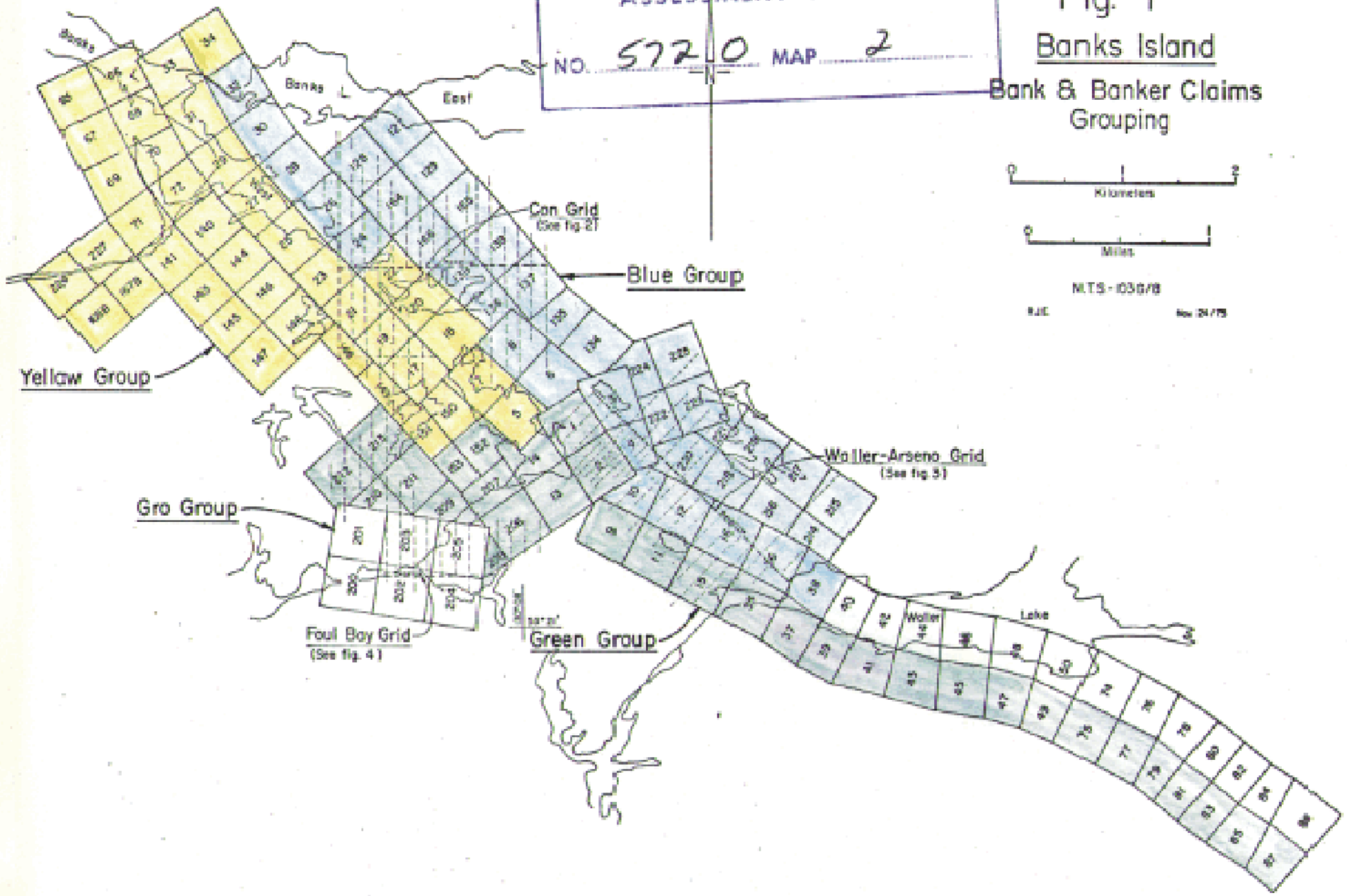
Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 5720 MAP 2

Fig. - 1

Banks Island

Bank & Banker Claims Grouping



Note

should read 142  
should read 144

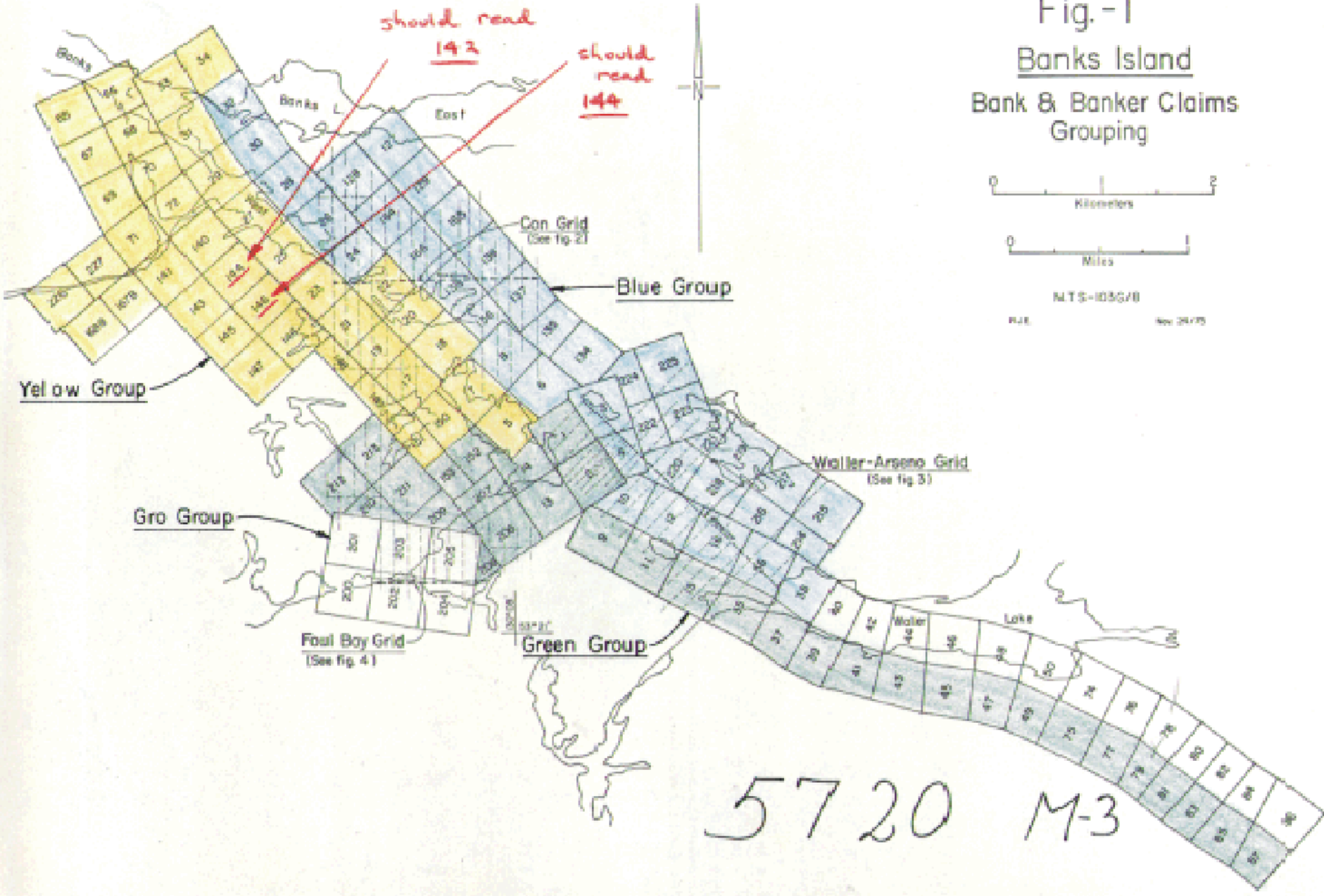


Fig. - 1

Banks Island

Bank & Banker Claims Grouping

0 1 2  
Kilometers

0 1  
Miles

M.T.S.-1050/8

Nov 24/75

5720 M-3

GEOCHEMICAL SURVEY  
YELLOW GROUP, BANKS ISLAND, B.C.

INTRODUCTION

Between June 4th and June 27th, grid lines were established on Banks Island by line contractors, Eastern Associates of Whitehorse, Yukon. During this same time interval Falconbridge crews cut lines where needed and collected soil samples on all lines. Work was done on the Yellow Group (BANK, BANKER 7, 17, 19, 20); Blue Group (BANK, BANKER 6, 8, 16, 128, 129, 164, 165, 166, 216, 217, 220-223), Green Group (BANK, BANKER 15, 35, 206-213).

Between June 28th and July 20th Falconbridge crews cut additional lines and continued soil sampling on all lines. Eastern Associates also finished line cutting during this interval. Work was done on the Yellow Group (BANK, BANKER 21, 22, 23, 148, 149); Blue Group (BANK, BANKER 3, 4, 24, 26, 28, 36, 135-139); Green Group (BANK, BANKER 1, 2, 35); and the Gro Group (20, 203, 205).

Between September 1 and September 15th Falconbridge crews finished the line cutting and soil sampling. Work was done on the Yellow Group (BANKER 18), Blue Group (BANKER 10, 12), and the Green Group (BANKER 9, 11).

### LOCATION AND ACCESS

Banks Island is a northwesterly trending 40 mile by 20 mile uninhabited island on the east side of Hecate Straits, approximately 60 miles east of the Queen Charlotte Islands on the B.C. northwest coast.

### GENERAL GEOLOGY

Banks Island is largely underlain by granitic rocks of the Coast Intrusions of which light coloured granodiorite, quartz monzonite and quartz diorite are most common, although darker dioritic to gabbroic phases are also present. These rocks intrude older sedimentary formations of which only remnants remain. The remnants lie in northwesterly-trending belts. A series of northwesterly shear zones cut by easterly and north-easterly joint planes provide the locus of the mineralization present.

### TOPOGRAPHY AND SOILS

The area surveyed is one of gentle to low relief characterized by numerous lakes with interconnecting drainage separated from each other by rocky hills. Soil development is poor with a thin colluvial mantle on the hill slopes grading into predominantly organic rich muck in the shallow valleys.



## METHOD OF SURVEY

### Line Cutting

The contract line cutting was done by Eastern Associates of Whitehorse, Yukon Territory.

Control for the contract line cutters was obtained from survey posts established in previous years. Cross lines were cut at 400 ft. intervals along base lines. All line cutting was done with axes and machetes. Lines were turned off with a turn-off board (except for one grid-transit), and pickets used for directional control.

Falconbridge crews put in additional lines as the need arose from the geochemical survey results.

## GEOCHEMISTRY

Soil samples were collected at 25 ft. intervals along the cross lines. Short handled shovels were used for obtaining 'A' horizon samples being careful to remove the un-decomposed organic material from the sample. Based on previous experience about 500 grams of sample were collected to ensure sufficient fine material for analysis. Geochemical results from an orientation survey indicate that this is the best horizon to sample on Banks Island for the purpose of detecting lode gold deposits. All the samples were assayed for Zn., Ag., and As as these were found to be the best 'pathfinder' elements.

### TRENCHING

Trenching was done in various places where geochemical evidence from the soil surveys indicated that further investigation was warranted. The trenches are basically 8' x 5' x 4' deep, the soil and rock being removed by blasting. Holes for the dynamite were put in with an Atlas Copco percussion, gas-powered drill.

### Yellow Group

#### Geochemistry

The assay results of the geochemical sampling are included on the maps. Some 1,315 of these samples comply with assessment requirements on the Yellow Group.

#### Trenches

Sixteen rock trenches shown on the included maps fall within the Yellow Group.

### Blue Group

#### Geochemistry

Some 1,580 soil sample results collected on the Blue Group are submitted for assessment and results are plotted on the included maps.

#### Trenches

Seventeen rock trenches shown on the included maps fall within the Blue Group.

Green Group

Geochemistry

Some 1,013 soil sample results collected on the Green Group are submitted for assessment, and the results are plotted on the included maps.

Trenches

Twenty-three rock trenches fall within the Green Group.

Gro Group

Geochemistry

Some 228 soil sample results collected on the Gro Group are submitted for assessment, and the results are plotted on the included maps.

LABORATORY TECHNIQUES

a) Preparation

The soil samples, generally consisting of extremely wet, organic muck, were dried in a gas-fired, hot air oven. After drying, the samples were pounded lightly to disaggregate the material before hand-sieving through an 80 mesh sieve. The oversize was discarded and the undersize retained for analysis.

b) Analysis

Samples were analysed for zinc, silver and arsenic at the Falconbridge Nickel Mines laboratory in Vancouver. Because of the highly organic nature of the material a special procedure was devised to prevent loss of sample by frothing when treated with acids.

Two mls. of cold concentrated nitric acid were added to 0.5 gm. of the minus 80 mesh fraction of the sample contained in a test tube and left to stand overnight.

Next morning 1.5 mls of perchloric acid were added and the mixture gently heated for two hours. After cooling and making up to 10 ml. volume with water, the sample residue was removed by filtration.

Aliquots of the filtrate were used for the determination of zinc and silver by standard atomic absorption techniques (a correction for background interference was made for silver) and for arsenic by the standard silver diethyldithiocarbamate procedure. (reaction of silver D.D.C. with arsine produced by the addition of metallic zinc to an acidified solution containing arsenic to form a coloured As-D.D.C. compound which can be visually compared with standards).

RESULTS AND INTERPRETATION

Analytical results are presented on Figures 2, 3 and 4 for the Con, Waller-Arseno and Foul Bay grids respectively.

Since geochemical sampling conditions are essentially the same for all these areas the analytical results will be considered together.

Concentration levels for the three elements are summarised below :

|         | <u>Range</u><br>ppm | <u>Local Bkd.</u><br>ppm | <u>Anomalous</u> | <u>Mode</u><br>ppm |
|---------|---------------------|--------------------------|------------------|--------------------|
| Arsenic | 1-660               | 3-10                     | >10              | <2                 |
| Silver  | 0.1-6.0             | 0.1-0.5                  | >0.5             | <0.2               |
| Zinc    | 1-800               | 15-40                    | >40              | 10-20              |

For clarity of presentation on the accompanying maps only silver and arsenic values greater than 0.1 and 1.0 ppm respectively have been shown. The data are not sufficiently coherent to allow contouring between lines. Threshold levels for local background and anomalous ranges were visually estimated for silver and arsenic because the frequency distributions of these elements are too restricted for statistical treatment.

Zinc values show a log-normal distribution.

Although there are differences between rock types they are not sufficiently distinct to permit practical differentiation of rock types by the use of specific background and anomaly levels. A single set of zinc thresholds has been used for all the grids.

|               | <u>Diorite</u> |          |          |          | <u>Granodiorite</u> |          |          |          | <u>Granite</u> |          |          |          | <u>Sediments</u> |          |          |          |
|---------------|----------------|----------|----------|----------|---------------------|----------|----------|----------|----------------|----------|----------|----------|------------------|----------|----------|----------|
|               | <u>R</u>       | <u>M</u> | <u>B</u> | <u>A</u> | <u>R</u>            | <u>M</u> | <u>B</u> | <u>A</u> | <u>R</u>       | <u>M</u> | <u>B</u> | <u>A</u> | <u>R</u>         | <u>M</u> | <u>B</u> | <u>A</u> |
| Con           | 1-140          | 13       | 15       | 30       | 1-100               | 15       | 15       | 30       | 1-100          | 15       | 15       | 25       | 1-75             | 17       | 15       | 35       |
| Waller-Arseno | 2-150          | 20       | 20       | 40       | 1-100               | 10       | 10       | 25       | 1-150          | 12       | 15       | 35       | 1-180            | 15       | 18       | 50       |
| Foul Bay      | 2-100          | 15       | 15       | 30       |                     |          |          |          |                |          |          |          | 2-150            | 12       | 15       | 40       |

R = range, p.p.m. M = mode, p.p.m. B = background threshold p.p.m.  
A = anomalous threshold p.p.m.

Con Grid

Although sporadic high metal values occur in areas believed to be underlain by granodiorite no strikingly significant anomalies have been delimited.

Two bands of sediments cross the grid area of which the more southerly shows the most interesting geochemistry. Of particular interest is the area to the southwest of Grace Lake on lines 16E to 24E where a grouping of anomalous Ag-As-Zn values is definitely worthy of further investigation. One other area of possible significant values occurs at about 12N on line 24E.

A number of sporadic, low order zinc and silver values occur over granite which, like those in the granodiorite area can sometimes be related to photo linears. The only anomalous values of significance occur on the southern extremity of line 60E, where high arsenic values reflect previously known mineralization.

Like the rest of the grid area insignificant isolated high metal values are found in the area underlain by diorite. The most distinctive anomaly, a large zinc anomaly on lines 20E and 24E has been shown by follow-up sampling on lines 18E, 22E and 26E to be probably false and attributable to analytical error rather than a natural source.

### Waller-Arseno Grid

The area believed to be underlain mostly by granodioritic rocks is characterised by a few erratic, single high value, anomalous samples of no further interest.

The pelitic metasediments intruded by granite show extensive areas of distinctly anomalous Ag-As-(Zn) values e.g. lines 4E-44E to the east and northeast of the granite.

This is a prime prospecting area and a substantial amount of follow-up work is justified to locate the source of these anomalous metal values.

The granite itself is highly anomalous for Ag-As-(Zn) towards the western end of the grid; lines 60E to 76E. Most of this geochemical activity can be attributed to extensions of previously known mineralization. This clear indication of known mineralization is a valuable guide to the effectiveness of the geochemical sampling programme. Of more interest is the strong As-Ag anomaly on lines 44E-56E which is associated with an E-W trending photo linear. This is another prime target for further diligent prospecting.

The few lines which were extended southward over the diorite indicate little encouragement for the discovery of mineralization except possibly near the contact with the granite.

### Foul Bay Grid

The majority of the anomalous metal values occur in an area believed to be underlain mostly by pelitic sediments.

All three elements are anomalous over quite extensive areas e.g. lines 36E-20E more or less close to the contact with the diorite to the north. All of these anomalous areas need further investigation by more detailed soil sampling, prospecting and trenching.

The diorite area carries a few, single high value, anomalies. The single exception is a moderately strong Zn-As-(Ag) anomaly on the north end of line 16E. This should be prospected; it may reflect a hitherto unknown band of sediments.

#### RECOMMENDATIONS

A number of interesting geochemical anomalies with high As-Ag-Zn values have been indicated by the present work. These should be further investigated by more detailed soil sampling prospecting and trenching. At a later stage geophysical work may provide some assistance in locating drill holes.

Areas of highest priority are :

Con Grid : Lines 18E-26E north of 25S baseline.

Lines 44E-48E south of 25S baseline.

Waller-Arseno Grid: Lines 12E-36E south of the baseline.

Lines 44E-56E south of the baseline.

Foul Bay Grid: Lines 20E-36E near the sediment-intrusive contact.



I.L. Elliott, P. Eng.

Vancouver, B.C.

November 26, 1975



A P P E N D I C E S

**BRITISH COLUMBIA MINING RECEIPT**

Mining Division Spena

Issued at Vancouver No 101387-E

Date October 29, 1975

RECEIVED from Stefrob Mining Ltd.

the sum of two thousand + sixty <sup>00</sup>/<sub>100</sub> Dollars,

in payment of Recording work & rental (206 yrs)  
on GRO, BLUE, GREEN & YELLOW Groups of  
BANK & BANKER Claims.

Signature Juli Lunn

\$ 2060.00

Office SUB - MINING RECORDER







DEPARTMENT OF MINES AND PETROLEUM RESOURCES

FORM B (Section 51) MINERAL ACT

SUB-MINING RECORDER RECEIVED

OCT 29 1975

M.R. # \$ VANCOUVER, B. C.

Affidavit on Application to Record Work

1. I, D.H. BROWN Agent for FALCONBRIDGE NICKEL MINES LTD., 504-1112 WEST PENDER STREET VANCOUVER, B.C. V6E 2S3 Free Miner's Certificate No. 136737 Date issued Dec. 30, 1974

MAKE OATH AND SAY:

2. I have done, or caused to be done, work on the BLUE GROUP BANK 3, 4 BANKER 6, 8, 16, 128, 129, 164-166, 216, 217, 220-223, 24, 26, 28, 36, 135-139 Mineral Claim(s) Record No.(s) 19247, 19248, 21652, 21650, 21642, 22607, 22608, 22609-22611, 21779, 21781, Situate at BANKS ISLAND, B.C. in the SKEENA Mining Division, 21903-21907 to the value of at least 15,600.00 dollars. Work was done from the 28th day of June, 1975, to the 20th day of July, 1975

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, BELOW)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

Table with 2 columns: Description and COST. Includes items like Rock Trenches, Samples assayed for, and a TOTAL of \$1,706.00.

I wish to apply \$1,600.00 of this work to the claims listed below. (State number of years to be applied to each claim and its month of record)

2 claims - 4 yrs. each to BANKER 36, 38 2 x 4 x \$200 = \$1,600.00 21791, 21792 Jun. 28th.

**B. DRILLING**

(Details as per report submitted)

| COST |
|------|
|      |
|      |

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**C. PROSPECTING**

(Details as per report submitted)

| COST |
|------|
|      |
|      |

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**D. GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL (Includes line cutting)**

(State type of work)

Carried forward from (A) **PHYSICAL**

Jun. 4-Jun. 27 Contract Line Cutting & Sampling, Analysing

Jun. 28-July 20 Line Cutting & Sampling, Analysing

Sept. 1-Sept. 26 " " " " "

|                          |
|--------------------------|
| 106.00                   |
| 4,166.06                 |
| 6,262.09                 |
| 3,468.33                 |
|                          |
|                          |
| <b>TOTAL \$14,002.48</b> |

I wish to apply \$ **14,000.00** of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

6 claims - 6 yrs. each to BANKER 214-219 6 x 6 x \$200 = 7,200

6 " - 5 yrs. " to BANKER 220-225 6 x 5 x 200 = 6,000

4 " - 1 yr. " to BANK 4, BANKER 12, 36, 38 4 x 1 x 200 = 800

**\$14,000**

(Geochem. Assessment Report to be forwarded in 4 weeks - Nov. 26/75)

NOTE—Dollar value of work done under A, B, C, or D sections, totalling \$200, may be applied as one year's work.

Who paid for the above-described work?

Name \_\_\_\_\_  
 Address \_\_\_\_\_

If you intend to claim a refund of cash in lieu under the provisions of the *Mineral Act*, you must make application on this affidavit under A, B, C, or D sections as applicable.

4. That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Mineral Land Tax Act*.

SWORN and subscribed to at \_\_\_\_\_

this 29<sup>th</sup> day of Oct.  
 1975, before me—

*A. H. Brown*



DEPARTMENT OF MINES AND PETROLEUM RESOURCES

FORM B (Section 51) MINERAL ACT

SUB-MINING RECORDER RECEIVED OCT 29 1975 M.R. # \$ VANCOUVER, B.C.

Affidavit on Application to Record Work

I, D.H. BROWN Agent for FALCONBRIDGE NICKEL MINES LTD., 504-1112 WEST PENDER STREET VANCOUVER, B.C. 500-1112 WEST PENDER STREET, VANCOUVER, B.C. Free Miner's Certificate No. 136737 Date issued Dec. 30, 1975 Free Miner's Certificate No. 138365 Date issued Dec. 17/1974

MAKE OATH AND SAY:

2. I have done, or caused to be done, work on the GREEN GROUP BANK 1, 2, BANKER 9, 11, 15, 35, 206-213 Mineral Claim(s) Record No.(s) 19245, 19246, 21649, 21647, 21643, 21790, 38870-38877 Situate at BANKS ISLAND, B.C. in the SKEENA Mining Division, 4th to the value of at least 10,800 dollars. Work was done from the 28th day of June 19 75, to the 20th day of July 1st 19 75 of Sept. 26th

3. The following is a detailed statement of such work done in the 12 months in which such work is required to be done.

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, BELOW)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by regulations)

Table with 2 columns: Description and COST. Includes items like Rock Trenches, Assay for Au, Ag, Cu, Pb, Zn, To be applied, and Carried forward to (D) Geochemical Survey. Total cost is \$1,400.00.

I wish to apply \$ 1,400.00 of this work to the claims listed below. (State number of years to be applied to each claim and its month of record)

7 claims - 1 yr. each to BANKER 35, 37, 39, 41 ) 7x1x\$200 = 1,400.00 BANKER 43, 45, 47 )

**B. DRILLING**

(Details as per report submitted)

| COST |
|------|
|      |
|      |
|      |

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

**C. PROSPECTING**

(Details as per report submitted)

| COST |
|------|
|      |
|      |
|      |

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

**D. GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL (Includes line cutting)**

(State type of work)

Brought forward from (A) PHYSICAL

|  | COST              |
|--|-------------------|
| Brought forward from (A) PHYSICAL                                  | \$ 118.00         |
| Jun.4-Jun.27 (Jul. 5 Contract Line Cutting, Sampling and Analysing | 4,329.81          |
| Jun.28-July 20 " " " " "   | 1,252.43          |
| Sept.1-Sept.15 " " " " "   | 3,710.30          |
| <b>TOTAL</b>   | <b>\$9,410.54</b> |

I wish to apply \$ 9,400.00 of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

8 claims - 3 yrs. each to BANKER 81, 83, 85, 87, 208, 210 = 8x3x\$200 = \$4,800.00  
 212, 213

8 " - 2 yrs. each to BANKER 49, 75, 77, 79, 206, 207 = 8x2x\$200 = 3,200.00  
 209, 211

7 " - 1 yr. each to BANKER 35, 37, 39, 41, 43, 45, 47 = 7x1x\$200= 1,400.00  
 (GEOCHEM. ASSESSMENT REPORT TO FOLLOW IN 4 WEEKS - Nov.26/75) \$9,400.00

NOTE—Dollar value of work done under A, B, C, or D sections, totalling \$200, may be applied as one year's work.

Who paid for the above-described work?

Name \_\_\_\_\_

Address \_\_\_\_\_

If you intend to claim a refund of cash in lieu under the provisions of the *Mineral Act*, you must make application on this affidavit under A, B, C, or D sections as applicable.

4. That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Mineral Land Tax Act*.

SWORN and subscribed to at \_\_\_\_\_

this 29<sup>th</sup> day of Oct.

1975, before me—

*[Signature]*





**B. DRILLING**

(Details as per report submitted)

| COST |
|------|
|      |
|      |
|      |

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

**C. PROSPECTING**

(Details as per report submitted)

| COST |
|------|
|      |
|      |
|      |

I wish to apply \$ \_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

**D. GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL (Includes line cutting)**  
 (State type of work)

July 18-20 Line Cutting, Sampling and Analysing  
 To be applied  
 Available to be gbrought forward

| COST            |
|-----------------|
| \$1,878.60      |
| <u>1,800.00</u> |
| \$ 78.60        |
|                 |
|                 |
|                 |
|                 |

TOTAL

I wish to apply \$ 1,800.00 of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record)

|  |                   |
|--|-------------------|
| 3 claims - 2 yrs. each to BANKER 200, 202, 204 = 3x2x\$200 | \$1,200.00        |
| 3 " - 1 yr. each to BANKER 201, 203, 205 = 3x1x\$200       | 600.00            |
|  | <u>\$1,800.00</u> |

(Geochem. Assessment Report to follows in 4 weeks - Nov.26/75)

NOTE—Dollar value of work done under A, B, C, or D sections, totalling \$200, may be applied as one year's work.

Who paid for the above-described work? Name FALCONBRIDGE NICKEL MINES LTD.  
 Address 500-1112 WEST PENDER STREET,  
VANCOUVER, B.C. V6E 2S3

If you intend to claim a refund of cash in lieu under the provisions of the *Mineral Act*, you must make application on this affidavit under A, B, C, or D sections as applicable.

4. That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Mineral Land Tax Act*.

SWORN and subscribed to at

this 29<sup>th</sup> day of Oct.  
 19 75, before me—

*[Signature]*

DOMINION OF CANADA:  
 PROVINCE OF BRITISH COLUMBIA:  
 To Wit:

In the Matter of a GEOCHEMICAL SURVEY carried out on Mineral Claims within the YELLOW, BLUE, GREEN AND GRO Groups between June 4 and September 26, 1975. Lat 53°22'30"N, Long. 130°12'00"W.

I, DAVID H. BROWN

of 504-1112 WEST PENDER STREET, VANCOUVER, B.C. V6E 2S3

in the Province of British Columbia, do solemnly declare that the following is a summary of all expenses incurred in carrying out a GEOCHEMICAL GRID SURVEY and physical work in the form of rock trenching on claims of the BANKS ISLAND property.

| SUMMARY<br>Period   | Cost Claim         |                    |                    |                   | Total              |
|---|--------------------|--------------------|--------------------|-------------------|--------------------|
|   | Yellow             | Blue               | Green              | Gro               |                    |
| 1. Jun. 4-Jun. 27<br>(Jul. 5 - Contract Line<br>Cutting) & Sampling | 7,399.11           | 4,166.06           | 4,329.81           | -                 | 15,894.98          |
| 2. Jun. 28-July 20 (Line<br>Cutting & Sampling)                     | 3,131.05           | 6,262.09           | 1,252.43           | 1,878.60          | 12,524.17          |
| 3. Sept. 1-Sept. 15 (Line<br>Cutting & Sampling)                    | 887.24             | 3,468.33           | 3,710.30           | -                 | 8,065.87           |
|   | 11,417.40          | 13,896.48          | 9,292.54           | 1,878.60          | 36,485.02          |
| 4. Trenching  | 1,733.00           | 1,706.00           | 1,518.00           | -                 | 4,957.00           |
|   | <u>\$13,150.40</u> | <u>\$15,602.48</u> | <u>\$10,810.54</u> | <u>\$1,878.60</u> | <u>\$41,442.02</u> |
| Claim Years   | 65                 | 78                 | 54                 | 9                 | 206                |

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*  
 of *Vancouver*, in the  
 Province of British Columbia, this *29*  
 day of *October* *1975*, A.D.

*Jill Jensen*  
 A Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.  
 Sub-mining Recorder

DOMINION OF CANADA:  
 PROVINCE OF BRITISH COLUMBIA.

To Wit:

In the Matter of A GEOCHEMICAL SURVEY carried out on Mineral Claims within the YELLOW, BLUE, GREEN and GRO Groups between June 28 and July 20th, 1975. Lat. 53°22'30"N and Long. 130°12'00"W.

I, DAVID H. BROWN

of 504-1112 WEST PENDER STREET, VANCOUVER, B.C. V6E 2S3

in the Province of British Columbia, do solemnly declare that the following expenses were incurred in carrying out a GEOCHEMICAL GRID SURVEY on claims of the BANKS ISLAND property as shown below:

|  |   | Total                              | Portion Applicable Jun. 28-Jul. 5 | Yellow   | Blue     | Green    | Gro      |
|--|---|------------------------------------|-----------------------------------|----------|----------|----------|----------|
| <u>Labour - Line Cutting and Chaining</u>                  |   |                                    |                                   |          |          |          |          |
| Jun.-Jul. 5 (8 days)                                       | Eastern Assoc. Line Cutting Contract \$/32 of 30.6 mi. @ \$190/line mi. = Board and Room 33 x 3 x \$7 | 5,814.00<br>693.00                 | 25%<br>(7.5 mil)                  | 25%      | 50%      | 10%      | 15%      |
|  |   | 6,507.00                           | 1,626.75                          | 406.69   | 813.38   | 162.68   | 244.00   |
| <u>Labour Sampling &amp; X-Line Cutting &amp; Chaining</u> |   |                                    | Portion Applicable Jun. 28-Jul. 5 |          |          |          |          |
| Jun. 28-<br>Jul. 20  |   |                                    |                                   |          |          |          |          |
|  | B. Marchuk  | 16 56.36 901.76                    | 52.6%                             | 629.80   | 1,259.60 | 251.92   | 377.88   |
|  | S. Zastavnikovich   | 20 48.15 963.60                    |                                   |          |          |          |          |
|  | R. Conte  | 20 39.60 792.00                    |                                   |          |          |          |          |
|  | R. Majuri   | 20 39.60 792.00                    |                                   |          |          |          |          |
|  | P. Shaw   | 20 33.50 670.00                    |                                   |          |          |          |          |
|  | I. Smith  | 20 33.50 670.00                    |                                   |          |          |          |          |
|  | Transportation - Accounted for  | 4,789.36                           | 2,519.20                          |          |          |          |          |
|  | Camp Supplies and Catering  | Nil                                |                                   |          |          |          |          |
| Jun. 28-<br>Jul. 20  | R. MacPhee<br>Supplies  | 20 47.27 945.40<br>618.40          |                                   |          |          |          |          |
|  | Geochem. Analyses, Processing 2896 Samples @ \$4.75   | 1,563.80                           | 822.56                            | 205.64   | 411.28   | 82.26    | 123.38   |
|  | Printing, Drafting and Report Writing   | 13,756.00                          | 7,235.66                          | 1,808.92 | 3,617.83 | 723.57   | 1,085.34 |
|  | R. Esson<br>D.H. Brown  | 4 42.50 170.00<br>2.5 60.00 150.00 | (100%)                            |          |          |          |          |
|  |   | 320.00                             | 320.00                            | 80.00    | 160.00   | 32.00    | 48.00    |
|  |   | 26,936.16                          | 12,524.17                         | 3,131.05 | 6,261.00 | 1,252.43 | 1,878.60 |

Work done on claims BANK, BANKER

|                            |  |             |                  |
|----------------------------|--|-------------|------------------|
| 21, 22,<br>23, 148,<br>149 | 3, 4,<br>24, 26,<br>28, 36,<br>135-139 | 1, 2,<br>35 | 201, 203,<br>205 |
|----------------------------|--|-------------|------------------|

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
 of Vancouver, in the  
 Province of British Columbia, this 29  
 day of October 1975, A.D.

Jul. Turner  
 A Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.  
 Sub-mining Recorder

DOMINION OF CANADA:  
 PROVINCE OF BRITISH COLUMBIA.

To Wit:

In the Matter of a GEOCHEMICAL SURVEY carried out on Mineral Claims within the YELLOW, BLUE, GREEN Groups between June 4 and June 27, 1975. Lat. 53°22'30"N. Long. 130°12'00"W.

I, DAVID H. BROWN

of 504 - 1112 WEST PENDER STREET, VANCOUVER, B.C. V6E 2S3

in the Province of British Columbia, do solemnly declare that the following expenses were incurred in carrying out a GEOCHEMICAL GRID SURVEY on claims of the BANKS ISLAND property as shown below :

| <u>Labour Line Cutting and Chaining</u>                      |  | Total              | Portion<br>Applicable<br>Jun. 3-Jun. 27 | Yellow           | Blue   | Green              | Grey     |
|--|--|--------------------|---|------------------|--|--------------------|----------|
| Jun. 4-July 3<br>(32 days)                                   | Eastern Assoc. Line Cutting Contract<br>30.6 mi. @ \$190/line mile<br>Board and room 33 x 3 x 37 | 5,814.00<br>692.00 | 47.4%<br>(14.50 mi.)                    | 46,554           | 26,214   | 27,244             | -        |
| <u>Labour Sampling and 1-line Cutting &amp; Chaining</u>     |  | 4,507.00           | 3,084.32                                | 1,435.75         | 808.40   | 840.17             | -        |
|  | <u>Days</u>  | <u>Rate</u>        | <u>Total</u>                            |                  |  |                    |          |
| Jun. 8-Jun. 27   | J. Marchuk   | 18                 | 56.36                                   | 1,014.48         |  |                    |          |
|  | S. Zastavnikovich  | 20                 | 48.15                                   | 963.00           |  |                    |          |
|  | R. Coote   | 20                 | 39.60                                   | 792.00           |  |                    |          |
|  | R. Majuri  | 20                 | 39.60                                   | 792.00           |  |                    |          |
|  | P. Shaw  | 20                 | 33.50                                   | 670.00           |  |                    |          |
|  | I. Smith   | 20                 | 33.50                                   | 670.00           |  |                    |          |
| <u>Transportation</u>  |  |                    | 4,902.08                                | 2,323.59         | 1,081.63   | 669.01             | 632.95   |
| 6 men  | Vanc.-Pr. Rupert return  |                    | 650                                     |                  |  |                    |          |
| 7 men  | Charter Pr. Rupert-Banks Island  |                    | 924                                     |                  |  |                    |          |
| <u>Camp Supplies and Catering</u>                            |  |                    | 1,554.00                                | 336.60           | 342.89   | 193.06             | 200.65   |
| Jun. 8-Jun. 27   | R. MacPhee<br>Supplies   | 20<br>20           | 47.27<br>681.60                         |                  |  |                    |          |
| <u>Genchem. Analyses, Processing - 3846 samples @ \$4.75</u> |  |                    | 1,627.00                                | 771.20           | 358.99   | 202.13             | 210.03   |
| <u>Printing, Drafting &amp; Report Writing</u>               |  |                    | 18,268.50                               | 8,659.27         | 4,030.89   | 2,269.59           | 2,358.79 |
|  | R. Esson<br>D.H. Brown   | 4<br>2.5           | 42.50<br>60.00                          | 170<br>150       | (100%)   |                    |          |
| <u>Work done on claims - BANK, BANKER</u>                    |  |                    | 320.00                                  | 320.00           | 148.96   | 83.87              | 87.17    |
|  |  |                    | 33,178.58                               | 15,894.58        | 7,399.11   | 4,266.06           | 4,329.81 |
|  |  |                    |   | 7, 17, 19,<br>20 | 6, 8, 16,<br>128, 129,<br>164, 165,<br>166, 216,<br>217, 220-<br>223 | 15, 35,<br>206-213 |          |

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
 of Vancouver, in the  
 Province of British Columbia, this 29  
 day of October 1975, A.D.

Jessie Lussan  
 A Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.  
 Sub-mining Recorder

DOMINION OF CANADA:  
 PROVINCE OF BRITISH COLUMBIA:

To Wit:

In the Matter of a GEOCHEMICAL SURVEY carried out on Mineral Claims within the YELLOW, BLUE AND GREEN Groups between September 1 and September 15, 1975. Lat. 53°22'30"N and Long. 130°12'00"W.

I, DAVID H. BROWN

of 504-1112 WEST PENDER STREET, VANCOUVER, B.C. V6E 2S3

in the Province of British Columbia, do solemnly declare that the following expenses were incurred in carrying out a GEOCHEMICAL GRID SURVEY on the claims of the BANKS ISLAND property as shown below:

Labour - Line Cutting & Chaining

| Sept. 1-Sept. 15  | 3.78 mi. - 794 samples |       |        |          |        |        |        |       |
|-------------------|------------------------|-------|--------|----------|--------|--------|--------|-------|
|                   |                        | Days  | Rate   | Total    | Total  | Yellow | Blue   | Green |
| S. Zastavnikovich | 14                     | 48.18 | 674.52 |          |        | 11%    | 43%    | 46%   |
| R. Conte          | 12                     | 39.60 | 475.20 |          |        |        |        |       |
| R. Majuri         | 14                     | 39.60 | 554.40 |          |        |        |        |       |
| P. Shaw           | 14                     | 33.50 | 469.00 |          |        |        |        |       |
|                   |                        |       |        | 2,173.12 | 239.04 | 934.44 | 999.64 | -     |

Transportation

|                                   |                   |  |  |        |       |        |        |   |
|-----------------------------------|-------------------|--|--|--------|-------|--------|--------|---|
| 3 men Dease Lk.-Pr. Rupert        | 3x60.00 = 180.00  |  |  |        |       |        |        |   |
| 1 man Vanc.-Pr. Rupert            | 1x105.00 = 105.00 |  |  |        |       |        |        |   |
| 4 men Pr. Rupert-Banks Is. return | = 616.00          |  |  | 901.00 | 99.11 | 387.43 | 414.46 | - |

Catering and Camp Supplies

|                            |          |  |  |          |        |        |        |   |
|----------------------------|----------|--|--|----------|--------|--------|--------|---|
| R. MacPhee 15 days @ 47.27 | = 709.05 |  |  |          |        |        |        |   |
| Supplies                   | = 511.20 |  |  | 1,220.25 | 134.23 | 524.71 | 561.31 | - |

|  |  |  |  |                   |                 |                   |                   |   |
|--|--|--|--|-------------------|-----------------|-------------------|-------------------|---|
| Geochem. Processing, Analyses - 794 samples @ \$4.75 |  |  |  | 3,771.50          | 414.86          | 1,621.75          | 1,734.89          | - |
|  |  |  |  | <u>\$8,065.87</u> | <u>\$887.24</u> | <u>\$3,468.33</u> | <u>\$3,710.30</u> | - |

Work done on claims BANKER:

|    |        |       |  |
|----|--------|-------|--|
| 18 | 10, 12 | 9, 11 |  |
|----|--------|-------|--|

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the Ciq  
 of Nanaimo, in the  
 Province of British Columbia, this 29  
 day of October 1975, A.D.

*John Lunn*  
 Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.  
 Sub-mining Recorder

DOMINION OF CANADA:  
 PROVINCE OF BRITISH COLUMBIA:

To Wit:

In the Matter of a GEOCHEMICAL SURVEY carried out on Mineral Claims within the YELLOW, BLUE AND GREEN GROUPS between September 1 and September 15, 1975. Lat 53°22'30"N and Long. 130°12'00"W

I, DAVID H. BROWN

of 504-1112 WEST PENDER STREET, VANCOUVER, B.C. V5E 2S3

in the Province of British Columbia, do solemnly declare that the following expenses were incurred in carrying out a GEOCHEMICAL GRID SURVEY on the claims of the BANKS ISLAND property on claims as shown below :

| Labour - Trenching    | Days | Rate  | Total      |
|-----------------------|------|-------|------------|
| Sept. 1-26 B. Manchuk | 15   | 56.36 | 845.40     |
| B. Downing            | 26   | 42.73 | 1110.98    |
| R. MacPhee            | 11   | 47.27 | 519.97     |
|                       |      |       | \$2,476.35 |

Trenching

|                      | Yellow Gp.  | Blue Gp.                    | Green Gp.    |
|----------------------|-------------|-----------------------------|--------------|
| Claims, BANK, BANKER | 17, 19      | 4, 16, 220                  | 1, 2, 11, 15 |
| Number               | 16x8'x4'x5' | 17x5'x4'x5',<br>1x5'x4'x25' | 23x5'x4'x5'  |
| Cu. Ft.              | 2560        | 2200                        | 2300         |
| Cost at 65¢/cu.ft.   | \$1,664.00  | \$1,430.00                  | \$1,495.00   |
| <u>Trench Assays</u> |             |                             |              |
| 3 Au./Ag. @ 7.50     | 22.50       | 12 x \$23                   | 1 x \$23     |
| 3 Cu. @ 4.50         | 13.50       |                             |              |
| 3 Pb. @ 5.50         | 16.50       |                             |              |
| 3 Zn @ 5.50          | 16.50       |                             |              |
|                      | 69.00       | 276.00                      | 23.00        |

TOTAL TRENCHING COST: \$1,733.00    \$1,706.00    \$1,518.00

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
 of Vancouver, in the  
 Province of British Columbia, this 29  
 day of October 1975, A.D.

John Turner  
 A Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.  
 Sub-Mining Recorder



**WESFROB MINES LIMITED**

(A wholly owned subsidiary of Falconbridge Nickel Mines Limited)

1112 West Pender Street  
Vancouver 1, B.C., Canada

Tel. (604) 682-6242

Telex 04-53245

November 26, 1975

The Chief Mining Recorder,  
Skeena Mining Division,  
Prince Rupert, B.C.

Dear Sir,

This is to certify that the geochemical work done on the Yellow, Blue and Green groups - Bank and Banker M.C.'s and the GRO group presented in this report was done under my direction.

Messrs. MacPhee and Zastavnikovich are prospectors and geochemical technicians of long standing in the employ of Falconbridge and Wesfrob companies, and have been trained by me in geochemical field techniques.

Mr. Esson is a trained surveyor and draftsman of high qualifications.

Mr. B. Manchuk B.Sc., M.Sc., is a 1971 geology graduate of the University of Manitoba who has been with the Falconbridge organization since graduation.

Mr. D.H. Brown is a graduate in Engineering Geology of the University of British Columbia, and a member of the Associations of Professional Engineers of the Provinces of British Columbia and Ontario.

I am an honours geology graduate (1959) of the University of Manchester and hold a Ph.D. in Applied Geochemistry from the University of London (1962). I am a member of the Association of Professional Engineers of British Columbia.

Yours very truly,  
WESFROB MINES LIMITED,

I.L. Elliott,  
Chief Geochemist

(Encs. 2)  
ILE:pb



LEGEND

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THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

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