010

ASSESSMENT REPORT

ON THE

GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL SURVEYS

PERFORMED ON THE

OBA PROPERTY

NTS: 42 C 16

I.R. Morrison
Falconbridge Limited
February 6, 1985

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1.0 INTRODUCTION

The Oba Property is comprised of some 426 contiguous mining claims held by Falconbridge Limited (see Figure 1, Table 1). Included in the property is a block of 77 claims under option from Larry Gervais and 162 claims under option from Daryl Bremner, both of Timmins, Ontario. In 1983, Falconbridge Limited undertook a reconnaissance rock and humus geochemical survey over the property which defined several areas anomalous in gold (see Morrison, I.R., "Geochemistry Report, Falconbridge and Bremner Claims, Oba, Ontario: May 8, 1984" report of assessment work filed with MNR.). Follow up work in these areas was warranted and detailed programs including linecutting, geological mapping, ground VLF-EM, magnetometer, humus geochemistry and selective rock geochemistry were conducted in 1984.

Field work commenced June 18 and was completed September 6, 1984. The geological, geochemical and electromagnetic surveys were carried out by D. Bosowec and B. Miller, ably assisted by C. Runey and B. Harry. The ground magnetometer survey was contracted to Walker Geophysics, Mississauga (report under separate cover) while linecutting was contracted to Exploration Colinex, Rouyn, Quebec.

2.0 OBJECTIVES

A reconnaissance humus geochemistry program carried out by Falconbridge Limited in 1983 outlined several areas which warranted detailed follow up. The purpose of this follow up program was to confirm and further define the humus anomalies by detailed sampling and to qualify the anomalies, where possible, with geological mapping and geophysical surveys.

3.0 LOCATION AND ACCESS

Oba, Ontario, is located approximately 110 km south of the town

TABLE I

	CLAIMS	RECORDING DATE
GERVAIS OPTION:	698311 - 698316 incl.	February 2, 1983
	698371 - 698392 incl.	February 2, 1983
	698394 - 698412 incl.	February 2, 1983
	688990 - 689004 incl.	February 23, 1983
	698317 - 698329 incl.	February 23, 1983
	764930, 764931	October 31, 1983
BREMNER OPTION:	686901 - 686942 incl.	March 29, 1983
	700124 - 700155 incl.	March 29, 1983
	700455 - 700484 incl.	April 5, 1983
	700497 - 700499 incl.	April 5, 1983
	700485 - 700496 incl.	April 11, 1983
	700500 - 700504 incl.	April 11, 1983
	700405 - 700434 incl.	April 12, 1983
	700437 - 700444 incl.	April 12, 1983
FALCONBRIDGE:	758693	April 5, 1983
	658006 - 658009 incl.	April 25, 1983
	597999, 598000	April 25, 1983
	658101 - 658143 incl.	April 25, 1983
	758681 - 758692 incl.	April 25, 1983
	758694 - 758703 incl.	April 25, 1983
	761001 - 761020 incl.	April 25, 1983
	761041 - 761056 incl.	April 25, 1983
	764301, 764302	April 25, 1983
	764306, 764307	April 25, 1983
	764311, 764312	April 25, 1983
	764317	April 25, 1983
	764321 - 764352 incl.	April 25, 1983
	764371	April 25, 1983
	764375	April 25, 1983
	764379 - 764386 incl.	April 25, 1983
	764388 - 764390 incl.	April 25, 1983
	764353 - 764360 incl.	May 26, 1983
	802542 - 802553 incl.	July 9, 1984
	781158 - 781165 incl.	Sept. 10, 1984

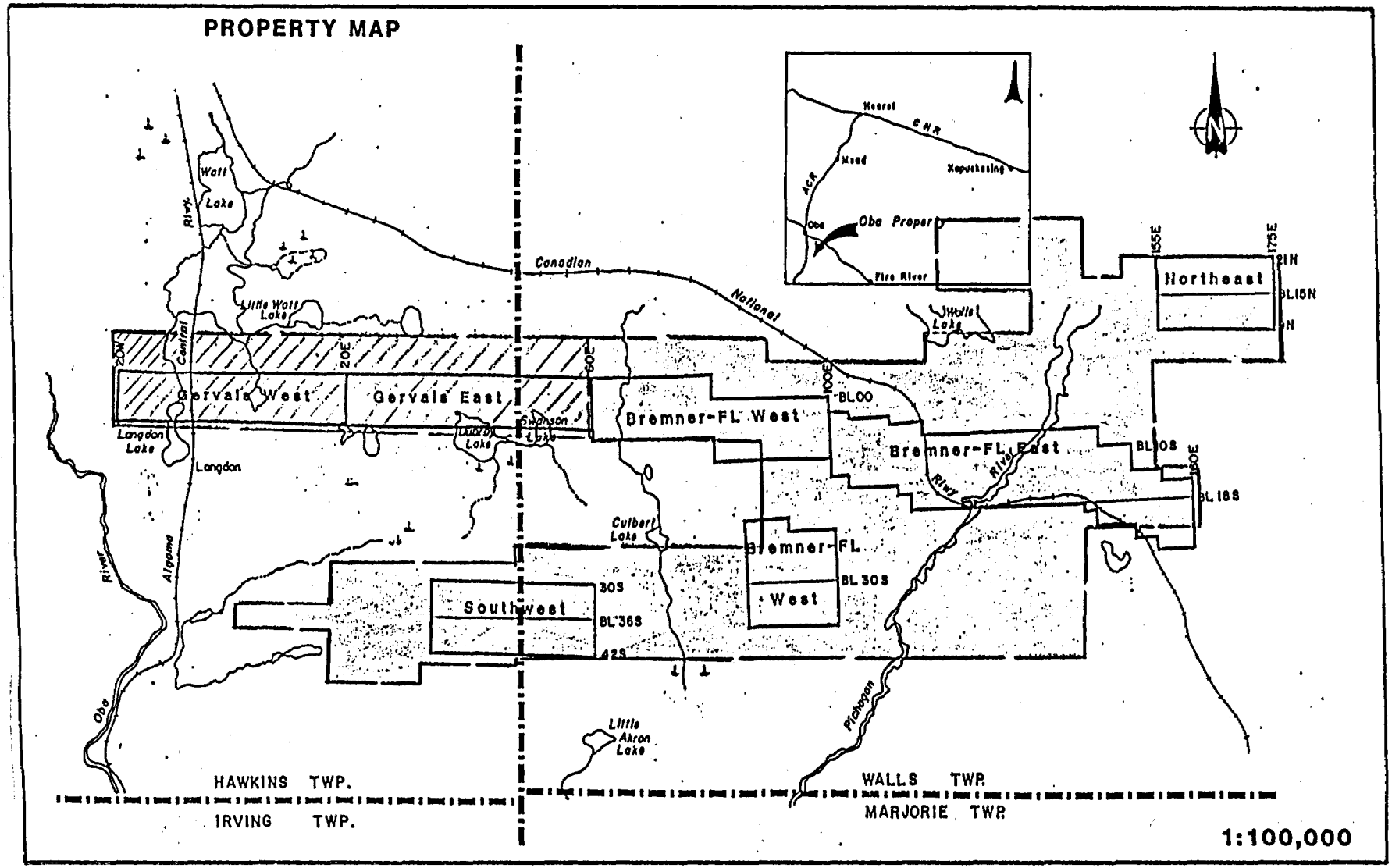

PROPERTY MAP
Hearst
CNR
Mead
Kapuskasing
ACR
Oba
Oba Property
Fire River
Watt Lake
Watt River
Canadian National
Little Watt Lake
Walls Lake
Northeast
155E
175E
21N
BL15N
9N
20W
Central
20E
60E
Gervais West
Gervais East
Langdon Lake
Langdon
Johnson Lake
Bremner-FL West
100E
BL00
Bremner-FL East
BL10S
180E
BL18S
Culbert Lake
Bremner-FL West
BL30S
30S
Southwest
BL36S
42S
Oba River
Algoma
Little Akron Lake
Pichogan
HAWKINS TWP.
IRVING TWP.
WALLS TWP.
MARJORIE TWP.
1:100,000

FIGURE 1

Hearst, Ontario, at the junction of the Canadian National and Algoma Central Railways. Access to Oba is provided by paved Hwy 583 for 37 km south of Hearst followed by 72 km of all-weather private gravel road. A second private gravel road originating 13 km south of Hearst on Hwy 583 passes within 1 kilometer of the northeast corner of the property.

For purposes of the 1984 program, a road camp at the northeast corner of the property, rail-assisted camps on the C.N.R. right-of-way at Neswabin and the Pichogen River and two helicopter supported camps, one 2 km south of Dubroy Lake, Hawkins Twp. and one on the Pichogen River 2 km south of the C.N.R. bridge were established.

4.0 REGIONAL GEOLOGY (See Figure 1)

The Oba property is underlain primarily by three parallel east-west trending monoclinal sequences of predominantly mafic metavolcanics belonging to the "Kabinakagami Lake Greenstone Belt". Interstratified with the mafic volcanics are lesser narrow felsic tuffs, sills, and minor derived clastic sediments. The several gold showings on the property appear to be at least spatially related to a felsic/mafic metavolcanic contact along the southern margin of the middle volcanic belt. The showings themselves are positioned within 100 meters of stratigraphy straddling this contact. The gold occurs with quartz veins and sulphide mineralized felsic tuffs.

Flanking the belts to the north and south are granite and granite gneiss complexes.

Several fresh, north-trending diabase dykes cut the older units on the property.

Regional metamorphism is of the amphibolite rank with hornblende and biotite defining a strong east west foliation. When in contact with flanking granitic complexes, mafic volcanics sometimes have been

severely hornfelsed.

The Pichogen River crosses the eastern end of the property following a major offsetting northeasterly fault structure whereas the regional set of lineaments trend northwesterly.

5.0 TOPOGRAPHY AND SURFICIAL DEPOSITS

The predominant greenstone belts underlying the property weather as moderate ridges. Bedrock exposure along the ridges range from fair to good. Granitic rocks and gneisses adjacent to the greenstones weather low and are poorly exposed.

A thin veneer of sand and gravelly ground moraine covers much of the area.

Drainage is varied and strongly controlled by underlying bedrock structural features. Vegetation consists of black spruce, cedar, tamarack, alders, black ash, sphagnum and labrador tea in the low-lying, poorly-drained areas and jack pine, white spruce, poplar, moose maple, birch, balsam and sumac on the high ground. Humus development varies widely, ranging from negligible to very thin (less than 1cm.) on the high, rocky and sandy ridges to thick (greater than 15 cm.) in the low-lying areas. In the better drained areas, good humus accumulations may occur in local depressions in the till or bedrock surfaces.

6.0 GEOLOGY

6.1 Northeast Grid

Bedrock is poorly exposed on the northeast grid, however the area appears to be underlain primarily by mafic metavolcanics with interbedded metasediments and minor felsic lenses. Overlying this sequence to the northeast are granite and granite gneiss.

Texturally, the mafic metavolcanics vary from fine grained layered to massive to medium to coarse grained amphibolite probably representing

tuffs, flows and subvolcanic intrusives respectively. The metasediments are feldspathic arenite in composition, generally well layered and often include amphibolitic bands in varying proportions. The felsic rocks occur interlayered with the amphibolite, are generally narrow, fine grained and probably tuffaceous in origin. Garnets occur sporadically in all units.

The general strike varies from easterly in the west part of the grid to southeasterly in the central and east parts. Dips average 50° to the north and northeast.

Sulphide mineralization is occasionally observed but is limited to fine pyrite lining foliation surfaces.

The structure of the area appears complex. Direct geological information is limited however magnetic and electromagnetic data indicate a dominant set of linear structures (ie. faults/fractures) trending northwesterly. In some cases outcrops adjacent to these features exhibit shearing, contorted banding, boudinage and possibly drag folding. In addition, ground magnetics suggest two iron formation horizons interbedded with metasediments in the southwest corner of the grid.

6.2 Southwest Grid

Bedrock exposure is good in the area. The grid is underlain by a thick sequence of mafic metavolcanics including minor interlayered felsic tuffs in contact to the south with felsic intrusives and gneisses. A narrow granitoid sill intrudes the mafic metavolcanics in the east half of the grid and a late diabase dyke trending northwesterly enters the area from the south.

Trace pyrite was noted locally but otherwise no significant mineralization or alteration was observed.

Two major and one minor crosscutting linear structures defined

by geophysics and topography occur. These lineaments trend approximately 330° and probably reflect a regional fracture set. In addition, geophysics suggests a late, major strike fault underlies the small lake, extending at least as far as the creek.

7.0 HUMUS GEOCHEMISTRY

7.1 Sampling

Humus sampling was carried out on a 100m by 50m sample interval with some 1687 samples collected.

In general, the developed humus layer occurs up to several centimeters below the uppermost soil. It is dark brown to black in colour and has a greasy, clay-like consistency with all original vegetation structures totally decomposed.

Sampling was facilitated by use of a hand trowel. Hand sorting of the humus sample eliminated any visible inorganic components as well as fresh vegetation such as roots, leaves, etc. The average sample weight was about 100 grams.

All samples were partially dried prior to shipment.

7.2 Analyses

The humus samples were prepared and analysed for gold by neutron activation by X-Ray Assay Laboratories Ltd., Don Mills, Ontario.

Sample preparation basically consists of 50 to 100 grams of primary material being split in a representative way to yield an 8 gram sample which is pressed (1000 kg/sq. cm.) into a 40 mm diameter pellet. This pellet is then sent for neutron activation. Here, the pellet is placed in a reactor and irradiated for approximately 22 minutes. A statistical count representing the gold content is made using a germanium detector linked to a multi-channel computer system, the count being converted to actual gold concentration in parts per billion by comparison to a

standard. The sensitivity and detection limit provided by this procedure is 1.0 ppb.

7.3 Results

Statistical methods were not applied to the humus geochemical data, however, by inspection, several statements can be made.

7.3.1 Northeast Grid

1. The mean background gold content of the humus samples is approximately 2 ppb.

2. Several samples returned 6 and 8 ppb Au. These are considered to be threshold to weakly anomalous and they in fact appear to cluster.

3. One sample (FH 5306) returned anomalous gold (23 ppb). It occurs isolated on the grid.

4. The anomalies obtained from the original reconnaissance humus geochemical survey were not repeated by this detailed survey although exact sample sites were not resampled.

7.3.2 Southwest Grid

1. The mean background gold content of the humus samples is approximately 2 ppb.

2. Three isolated samples returned anomalous gold. They are FH 6068 (44 ppb), FH 5905 (30 ppb), and FH 6050 (13 ppb). No clustering is observed.

3. Anomalies obtained in the original reconnaissance humus geochemical survey were not repeated.

7.3.3 Bremner - Falconbridge (south) Grid

1. The mean background gold content of the humus samples is between 1 and 2 ppb.

2. Samples which returned threshold to weakly anomalous values (6 to 9 ppb) appear scattered across the grid and may or may not be significant.

3. The most anomalous sample (FH 7237) which returned 50 ppb Au, was collected from the central part of the grid. It is surrounded by several weakly anomalous samples (9 - 11 ppb) and is probably significant.

4. An additional weakly anomalous sample (FH 7163) returned 13 ppb gold.

8.0 ROCK GEOCHEMISTRY

8.1 Sampling

Bedrock geochemical sampling was limited to the felsic meta-volcanics and metasedimentary units. Care was taken in the field to remove weathered material resulting in a finished sample averaging 0.5 to 1.0 kg. Additional prospecting samples were taken where more detailed information was desired (ie. mineralized or alteration zones, quartz veins, old trenches, etc.).

In total, some 197 rock samples were collected.

8.2 Analyses

Most of the rock samples were analysed for gold using the fire assay direct couple plasma method by X-Ray Assay Laboratories Ltd., Don Mills, Ontario.

The analytical procedure begins with grinding the 500 to 1000 gram sample to -200 mesh from which a representative 20 gram cut is made. This 20 gram sample is sent for fire assay which produces a fused bead. This bead is then dissolved in aqua regia and the solution is then subjected (along with a set of standard solutions of known concentrations) to direct couple plasma emission. The intensity of the resultant radiation

is measured using a spectrometer and the concentration of gold in the sample solution can be determined by comparison with the standards. The sensitivity of this method is 1.0 ppb with a detection limit of 2.0 ppb Au.

8.3 Results

8.3.1 Northeast Grid

Some 31 rock samples were collected. Gold values ranged between less than 2 and 11 ppb Au, none of which are considered anomalous.

8.3.2 Southwest Grid

Felsic units were selectively sampled and analysed for gold, with some 11 rock samples collected. Values ranged between less than 2 and 8 ppb Au, none of which are considered anomalous.

8.3.3 Bremner - Falconbridge Grid

A total of 154 samples were collected from all felsic and altered or otherwise mineralized lithologies exposed on the grid.

The felsic horizon which hosts the Shenango and Taylor gold showings to the west responded with anomalous values ranging between 30 and 150 ppb Au although no anomalous values appear east of the Pichogen River.

Two samples not collected from the main horizon (BS 17022 and BS 17083)that returned anomalous gold values (270 and 66 ppb Au respectively) warrant geological qualification.

9.0 GEOPHYSICS - VLF-EM

9.1 Instrument

The instrument used on this survey was the Phoenix VLF-2. Basically, the instrument measures the orientation and magnitude of the major and minor axes of the ellipse of polarization, as expressed by dip angle and field strength readings. The instrument has a resolution of 0.5° for dip angle readings and 5% for horizontal field strength

readings. The transmitter stations used for the survey were Seattle, Washington (18.6 KHz) for the southwest grid and Cutler Main (17.8 KHz) for the northeast grid.

9.2 Survey

The survey was run on 100 meter spaced grid lines with readings taken every 25 meters. A total of 88.5 km of line was run with some 3607 readings taken.

9.3 Results

Conductor	Location	Strength	Field Strength	Probable Source	Remarks
1	L155E;11+25N -L161E;9+00N	Moderate	Moderate greater than 2 x background	Iron Formation	Coincident with magnetic high
2	L157E;12+75N -L162E;10+50N	Moderate	Weak, intermittent less than 2 x background	Iron Formation	Coincident magnetic high
3	L156E;14+25N -L159E;13+50N	Weak - moderate	Moderate (west half) greater than 2 x background	Iron Formation	Coincident with magnetic high
4	L158E;16+00N -L161E;17+00N	Weak	Nil	Contact?	
5	L160E;15+75N -L164E;9+50N	Weak	Weak at south end	Fault	Two parallel conductors
6	L161E;15+70N -L163E;16+25N	Moderate	Nil	Contact?	
7	L162E;19+50N -L165E;15+00N	Moderate	Nil	Fault	Same structure as 8
8	L167E;11+80N -L169E;10+00N	Moderate	Nil	Fault	
9	L168E;15+00N -L169E;15+00N	Weak - moderate	Nil	?	
10	L168E;20+00N -L173E;10+75N	Weak - Moderate	Nil	Fault	
11	L172E;17+40N -L175E;17+80N	Moderate - strong	Weak - moderate	Graphite? Sulphides?	

Conductor	Location	Strength	Field Strength	Probable Source	Remarks
1	L35E;30+50S -L37E;30+00S	Weak	Nil	Volcanic Contact	
2	L46E;28+50S -L56E;27+80S	Moderate	Weak	Volcanic Contact or Fault	Coincident with strong magnetic gradient
3	L32E;32+50S -L42E;30+00S	Moderate	Weak	Formational - Contact?	
4	L44E;30+00S -L45E;29+50S	Weak	Nil	Formational - Contact?	Extention of Conductor 3
5	L50E;29+00S -L51E;29+00S	Weak	Nil	Formational - Contact?	Extention of Conductor 3
6	L54E;28+70S -L55E;28+70S	Weak - moderate	Weak	Contact? Sulphides? Graph?	Coincident with mag high
7	L37E;33+00S -L40E;32+00S	Weak	Nil	Formational - Volcanic Contact	
8	L45E;31+00S -L51E;29+70S	Moderate	Weak	Formational - Contact or Fault	Coincident with magnetic gradient
9	L55E;29+20S -L56E;28+80S	Weak - Moderate	Weak	Formational - contact	Coincident with magnetic gradient
10	L32E;35+00S -L42E;33+00S	Moderate - Strong	Moderate	Strike Fault	Postdates diabase
11	L37E;34+50S	Moderate	Weak		
12	L38E;35+40S -L39E;35+20S	Weak	Nil	Fault	

Conductor	Location	Strength	Field Strength	Probable Source	Remarks
13	L37E;41+00S -L42E;38+50S	Moderate	Weak	Fault?	Granitic host
14	L50E;32+ 70S -L55E;31+70S	Weak - Moderate	Nil	Contact or surficial	
15	L54E;34+ 60S -L56E;34+60S	Weak - Moderate	Nil	Volcanic Contact	
16	L58E;34+00S -L60E;33+70S	Weak - Moderate	Nil	Volcanic Contact	
17	L56E;36+00S -L59E;35+20S	Weak - Moderate	Nil	Fault or Surficial	

10.0 CONCLUSIONS AND RECOMMENDATIONS

Of the three anomalous areas identified in the reconnaissance humus geochemistry survey, only one, the Bremner - Falconbridge (South) Grid Area, was substantiated by detailed follow up and so warrants further work.

10.1 Northeast Grid

Geophysics, coupled with limited geological information, indicates that the northeast grid covers an area of structural complexity, a quality often considered favourable for gold mineralization. Unfortunately, detailed humus geochemistry failed to repeat humus anomalies identified previously. The single significant anomaly obtained in this survey is isolated and does not appear to coincide with any recognizable geological or geophysical structure.

No further work is recommended for this area at this time.

10.2 Southwest Grid

The geological setting of this area is straight forward, based upon relatively complete geological information. Geophysics supports the geological interpretation and has identified several major structural elements in the area. However, as was observed in the northeast grid, detailed humus geochemistry was not able to substantiate previous anomalies. Again, humus anomalies obtained in this survey appear isolated and do not qualify any recognizable structures.

No further work is recommended for this area at this time.

10.3 Bremner - Falconbridge (South) Grid

A significant humus geochemical anomaly was identified from the detailed survey which roughly supports a strong anomaly obtained in the reconnaissance survey. This anomaly should be further qualified by

geological, electromagnetic and limited I.P. surveys and a diamond drill program initiated to test eligible targets.

Respectfully submitted.....

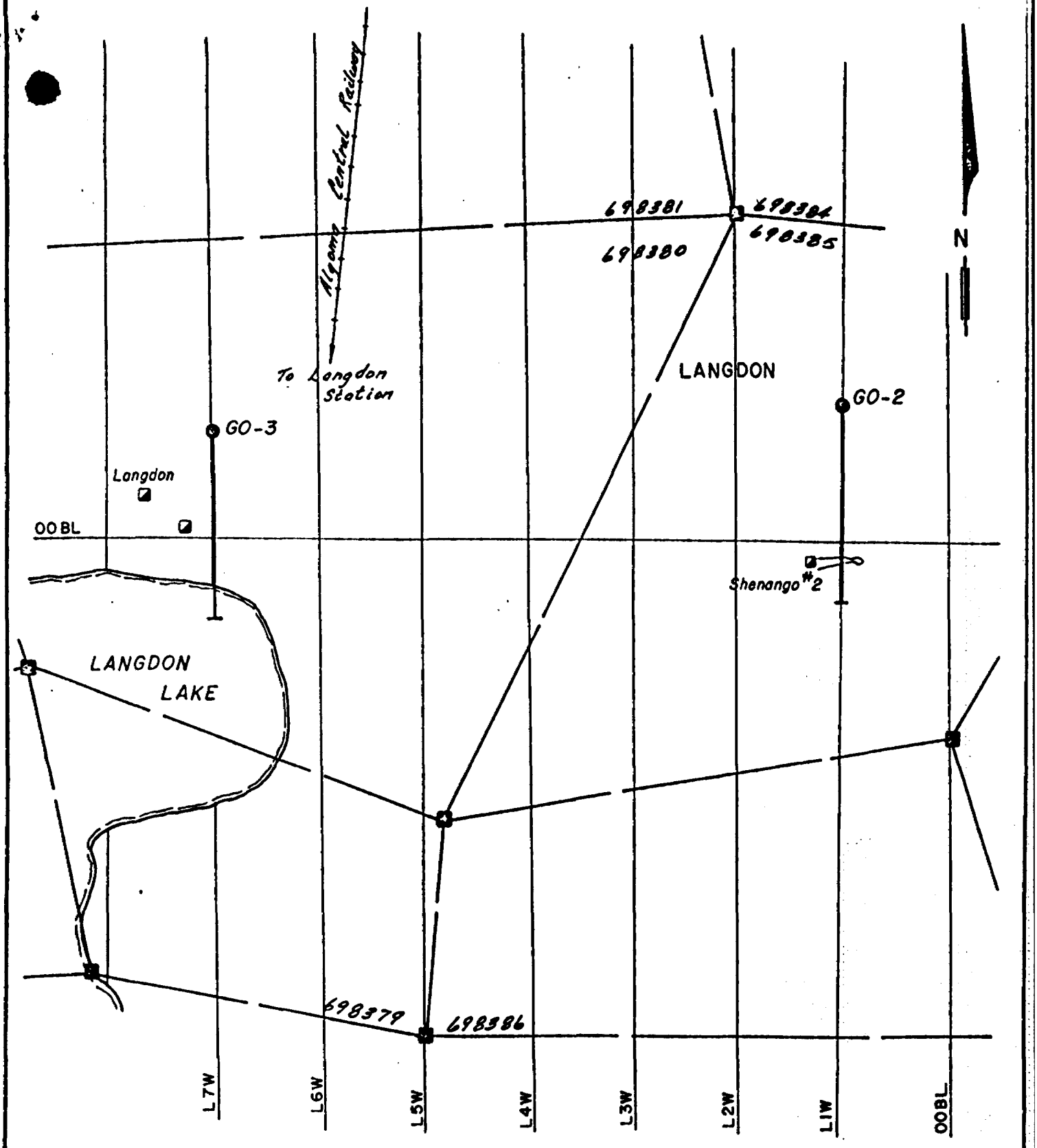
I.R. Morrison

STATEMENT OF QUALIFICATIONS

I, I.R. MORRISON, of 167 Wilson Avenue, Timmins, Ontario, do hereby certify that I am a graduate of the University of Western Ontario with an Honours Degree in Geology, 1977. I have been practising my profession in Canada since 1974.

I further certify that I have no direct interest in this claim group and the accompanying report is based on the interpretation obtained during the survey of the property.

I.R. Morrison



42C16 PN 508

FALCONBRIDGE LIMITED

DDH - GO283
LOCATION PLAN
GERVAIS OPTION

SCALE 1:5000	DRAWN VCH
DATE MARCH 14, 1984	DATA BY IRM

FALCONBRIDGE NICKEL MINES LTD.

SAMPLE RECORD

PROPERTY Gervais Option, Oba, Ontario (PN 508) HOLE NO. GO-3 SHEET NO. 11

SAMPLE NO.	FROM	TO	LENGTH	G/MT ASSAYS Au	Equiv ppb	%Py	ROCK TYPE & MINERALIZATION
9267	10.0	11.5	1.5	nil			Layered amphibolite
9268	11.5	12.8	1.3	nil			Layered amphibolite
9269	12.8	14.0	1.2	nil			Layered amphibolite
9270	14.0	15.5	1.5	nil			Layered amphibolite
9271	15.5	17.0	1.5	nil			Gabbroic amphibolite
9272	17.0	18.5	1.5	nil			Layered amphibolite
9273	18.5	20.0	1.5	nil			Massive amphibolite
9274	20.0	21.5	1.5	nil			Massive amphibolite
9275	21.5	23.0	1.5	nil			Layered amphibolite (+25cm felsic)
9276	23.0	24.4	1.4	nil			Layered amphibolite
9277	24.4	25.8	1.4	nil			Massive amphibolite
9278	25.8	27.0	1.2	nil			Massive amphibolite
9279	27.0	28.5	1.5	nil		tr	Layered amphibolite
9280	28.5	30.0	1.5	.04	40	tr	Layered amphibolite
9281	30.0	31.5	1.5	tr		tr	Layered amphibolite
9282	31.5	33.0	1.5	nil		tr	Massive amphibolite
9283	33.0	34.5	1.5	nil		tr	Massive amphibolite
9284	34.5	35.5	1.0	nil		tr	Gabbroic amphibolite
9285	35.5	36.5	1.0	nil		tr	Gabbroic amphibolite
9286	36.5	38.0	1.5	nil		tr	Layered amphibolite
9287	38.0	39.5	1.5	nil		tr	Layered amphibolite
9288	39.5	41.0	1.5	nil		tr	Layered amphibolite
9289	41.0	42.5	1.5	nil		tr	Layered amphibolite
9290	42.5	44.0	1.5	nil		tr	Layered amphibolite
9291	44.0	45.5	1.5	nil		tr	Layered amphibolite
9292	45.5	47.0	1.5	nil		tr	Layered amphibolite (+40cm felsics)
9293	47.0	48.5	1.5	nil		tr	Massive amphibolite
9294	48.5	50.0	1.5	nil		tr	Massive amphibolite
9295	50.0	51.5	1.5	nil		tr	Massive amphibolite
9296	51.5	53.0	1.5	nil		tr-<½	Massive amphibolite
9297	53.0	54.5	1.5	nil		tr-<½	Massive amphibolite + layered
9298	54.5	56.0	1.5	nil		tr-<½	Massive amphibolite + layered
9299	56.0	57.5	1.5	nil		tr-<½	Massive amphibolite + layered
9300	57.5	59.0	1.5	nil		tr-<½	Layered amphibolite
9301	59.0	60.5	1.5	nil		tr	Amphibolite - F.G. layered
9302	60.5	62.0	1.5	nil		tr	Amphibolite - F.G. layered 30cm 4% py
9303	62.0	62.75	0.75	nil		tr	Amphibolite - F.G. layered
9304	62.75	63.5	0.75	nil		tr-½	Felsic tuff - wk. ser. py C.G.
9305	63.5	65.0	1.5	nil		tr	Amphibolite, F.G. Layered
9306	65.0	66.5	1.5	nil		tr	Amphibolite, F.G. Layered
9307	66.5	68.0	1.5	nil		tr	Amphibolite, F.G. Layered + 25cm felsic
9308	68.0	69.5	1.5	nil		tr	Amphibolite, F.G. Layered
9309	69.5	71.0	1.5	nil		tr	Amphibolite, F.G. Layered + 50cm felsic
9310	71.0	72.5	1.5	nil		tr-½	Amphibolite, F.G. Layered
9311	72.5	74.0	1.5	nil		tr	Amphibolite, F.G. Layered
9312	74.0	75.5	1.5	nil		tr	Amphibolite, F.G. Layered
9313	75.5	77.05	1.55	nil		tr	Felsic tuff (porph) minor chlorite
9314	77.05	78.60	1.55	nil		tr	Amphibolite, F.G. Layered
9315	78.6	80.35	1.75	nil		½	Amphibolite, F.G. Layered
9316	80.35	81.7	1.35	nil		tr	Felsic tuff, minor amph.
9317	81.7	83.0	1.3	nil		tr	Felsic tuff, Q.V.
9318	83.0	84.1	1.1	nil		tr	Felsic tuff
9319	84.1	85.6	1.5	nil		tr-<½	Amphibolite, F.G. Layered
9320	85.6	86.3	0	nil		tr	Feldspar porphyry + 30cm amph

FALCONBRIDGE NICKEL MINES LTD.

SAMPLE RECORD

PROPERTY Gervais Option, Oba, Ontario PN 508 HOLE NO. GO-3 SHEET NO. 12

SAMPLE NO.	FROM	TO	LENGTH	G/MT ASSAYS Au				Py%	ROCK TYPE & MINERALIZATION
9321	86.3	87.9	1.6	nil				nil	Amphibolite, F.G., MSV
9322	87.9	89.4	1.5	nil				tr	Amphibolite, F.G. Layered, 7cm py zone
9323	89.4	90.9	1.5	nil				tr	Amphibolite, F.G. Layered
9324	90.9	92.4	1.5	nil				tr	Amphibolite, F.G. Layered
9325	92.4	93.9	1.5	nil				tr	Amphibolite, F.G. Layered
9326	93.9	95.4	1.5	nil				tr	Amphibolite, F.G. Layered
9327	95.4	96.9	1.5	nil				tr	Amphibolite, F.G. Layered + 10cm py zone
9328	96.9	98.4	1.5	nil				tr	Amphibolite, F.G. Layered
9329	98.4	99.9	1.5	nil				tr	Amphibolite, F.G. Layered + 15cm felsic
9330	99.9	101.4	1.5	nil				tr	Amphibolite, F.G. Layered
9331	101.4	102.9	1.5	nil				tr	Amphibolite, F.G. Layered
9332	102.9	104.4	1.5	nil				tr	Amphibolite, F.G. Layered + 20cm felsic
9333	104.4	105.9	1.5	nil				tr	Amphibolite, F.G. Layered
9334	105.9	107.35	1.45	nil				tr	Amphibolite, F.G. Layered
9335	107.35	108.9	1.55	nil				tr	Amphibolite, F.G. Layered + 30cm porph
9336	108.9	110.4	1.5	nil				tr	Feldspar porphyry + minor amph
9337	110.4	111.75	1.35	nil				tr	Layered amphibolite
9338	111.75	113.2	1.45	nil				tr	Feldspar porph + layered amph.
9339	113.2	114.7	1.5	nil				tr	Amphibolite fg-mg MSV
9340	114.7	115.7	1.0	nil				tr	Amphibolite fg-mg MSV
9341	115.7	117.2	1.5	nil				tr	Amphibolite, F.G. Layered
9342	117.2	118.7	1.5	nil				tr	Amphibolite, F.G. Layered + MSV
9343	118.7	120.2	1.5	nil				tr	Amphibolite, F.G. Layered
9344	120.2	122.0	1.8	nil				tr	Amphibolite, F.G. Layered
9945	122.0	123.0	1.0	nil				½	Layered amphibolite
9946	123.0	123.45	0.45	nil				tr	Layered amphibolite - blocky
9947	123.45	124.3	0.85	nil				tr	Felsic tuff, ser, wk. carb.
9948	124.3	124.9	0.6	nil				tr	Feldspar porphyry
9949	124.9	125.5	0.6	nil				15-20	Semi-massive pyrite, qtz, carb.
9950	125.5	126.1	0.6	nil				1	Layered amphibolite
9951	126.1	126.7	0.6	tr				tr	Feldspar porphyry
9952	126.7	127.5	0.8	nil				tr	Layered amphibolite
9953	127.5	128.9	1.4	nil				tr	Layered amphibolite + porph
9345	128.9	130.5	1.6	nil				tr	Amphibolite, CG MSV gabbroic
9346	130.5	132.2	1.7	nil				tr	Amphibolite, CG MSV gabbroic
9347	132.2	133.0	0.8	tr				nil	Amphibolite, F.G. Layered + 30cm felsic
9348	133.0	134.2	1.2	nil				nil	Felsic tuff + porph, ser.
9349	134.2	135.5	1.3	tr				tr	Amphibolite, F.G. Layered
9350	135.5	137.0	1.5	nil				tr-<½	Amphibolite, layered + gabbroic
9351	137.0	137.8	0.8	nil				tr	Felsic tuff, porph + amph
9352	137.8	138.9	1.1	nil				tr-<½	Amphibolite, gabbroic
9353	138.9	139.9	1.0	nil				tr	Felsic tuff
9354	139.9	141.5	1.6	nil				<½-1	Amphibolite, layered
9355	141.5	143.0	1.5	nil				<½	Amphibolite, layered
9356	143.0	144.5	1.5	nil				<½	Amphibolite, layered tr cpy
9357	144.5	146.0	1.5	nil				<½	Amphibolite, layered
9358	146.0	147.8	1.8	nil				tr-<½	Amphibolite, layered
9359	147.8	149.2	1.4	nil				tr	Felsic metavolc + aphan tuff
9360	149.2	150.7	1.5	nil				<½	Felsic metavolc equigranular MG
9361	150.7	152.2	1.5	nil				½	Felsic metavolc equigranular
9362	152.2	153.6	1.4	nil				tr	Felsic metavolc. equigranular + tuff
9363	153.6	155.0	1.4	nil				<½	Felsic metavolc. equigranular & mod. altered
9364	155.0	156.5	1.5	nil				½	Felsic metavolc. equigranular

FALCONBRIDGE NICKEL MINES LTD.

SAMPLE RECORD

PROPERTY Gervais Option, Oba, Ontario (PN 508) HOLE NO. GO-3 SHEET NO. 13

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS g/mt Au	ASSAYS Equiv ppb	Py %	ROCK TYPE & MINERALIZATION
9365	156.5	158.0	1.5	nil		1	Felsic metavolc. equigranular + fg. zone
9366	158.0	159.5	1.5	nil		1	Felsic metavolc. equigran + aphan
9367	159.5	161.0	1.5	nil		<½	Felsic metavolc. equigran + aphan
9368	161.0	162.5	1.5	nil		½-1	Felsic metavolc. equigran
9369	162.5	164.0	1.5	nil		tr-<½	Felsic metavolc. equigran, minor alter
9370	164.0	165.5	1.5	nil		tr	Felsic metavolc. equigran, minor alter
9371	165.5	167.0	1.5	nil		tr-<½	Felsic metavolc. equigran, mod. alter
9372	167.0	168.5	1.5	nil		tr	Felsic metavolc. equigran, minor alter
9373	168.5	169.85	1.35	nil		tr	Felsic metavolc. equigran
9374	169.85	170.4	0.55	nil		tr	Amphibolite MG MSV altered
9375	170.4	171.9	1.5	nil		tr	Felsic metavolc. equigran
9376	171.9	173.1	1.2	nil		tr	Felsic metavolc. equigran
9377	173.1	174.2	1.1	tr		tr	Felsic metavolc. equigran
9378	174.2	175.5	1.3	nil		<½	Amphibolite, minor alter.
9379	175.5	176.85	1.35	tr		tr-<½	Amphibolite, F.G. MSV epidote
9380	176.85	178.15	1.3	nil		½	Amphibolite, Epidote, Chl alter
9381	178.15	179.15	1.0	tr		½-1	Amphibolite? intense epidote alter
9382	179.15	180.1	0.95	nil		½	Intense epidote alter.
9383	180.1	180.8	0.7	nil		tr	Feldspar porph, intense epidote alter
9384	180.8	182.2	1.4	nil		tr	Feldspar porph, mod alter
9385	182.2	183.0	0.8	nil		tr	Feldspar porph + amph - minor alt
9386	183.0	184.55	1.55	nil		tr-½	Feldspar porph + amph - mod. alter
9387	184.55	185.55	1.0	nil		1	Rubble, incl Q.V. with Epi, Py
9388	185.55	187.0	1.45	nil		tr	Feldspar porph + amph - chl.
9389	187.0	188.0	1.0	nil		tr	Amphibolite - intense chl.
9390	188.0	189.4	1.4	nil		tr	Feldspar porph + amph - strong alt.
9391	189.4	190.2	0.8	nil		tr	Amphibolite gone to chlorite
9392	190.2	191.5	1.3	nil		nil-tr	Feldspar porph - strong alter
9393	191.5	192.8	1.3	nil		tr	Feldspar porph - mod alter
9394	192.8	194.3	1.5	nil		tr	Feldspar porph + amph
9395	194.3	195.8	1.5	nil		tr	Feldspar porph + QV, Epid, HEM
9396	195.8	197.4	1.6	nil		tr	Feldspar porph + amph - altered
9397	197.4	198.9	1.5	nil		½	Amphibolite, alter, rubble
9398	198.9	200.3	1.4	nil		tr	Felsic volc. - red altered, qtz
9399	200.3	201.8	1.5	nil		tr	Felsic volc. - red altered, qtz
9400	201.8	203.3	1.5	nil		tr	Felsic volc. - red altered, blocky
9401	203.3	204.5	1.2	nil		tr	Felsic volc. - red altered, blocky
9402	204.5	206.0	1.5	nil		tr	Felsic volc. - red altered, blocky
9403	206.0	207.5	1.5	nil		tr	Felsic volc. - red altered, blocky
9404	207.5	209.0	1.5	nil		tr	Felsic volc. - red altered, blocky
9405	209.0	210.5	1.5	nil		tr	Felsic volc. - red altered, blocky
9406	210.5	212.0	1.5	nil		tr	Felsic volc. - red altered, blocky
9407	212.0	213.5	1.5	nil		tr	Felsic volc. - red altered, blocky
9408	213.5	215.0	1.5	.04	40	nil	Felsic volc. - red altered, blocky
9409	215.0	216.5	1.5	nil		tr	Felsic volc. - red altered, blocky,
9410	216.5	218.0	1.5	nil		tr	Felsic volc. - red altered, blocky, qtz
9411	218.0	219.3	1.3	nil		tr	Felsic volc. - red altered, blocky
9412	219.3	220.0	0.7	nil		tr	Felsic volc. - red altered, blocky, bx
9413	220.0	221.0	1.0	nil		2-4	Breccia zone, red altered
9414	221.1	222.1	1.0	nil		1	Layered amph, chloritic, hem. veins
9415	222.1	223.3	1.2	nil		<½	Layered amph, epid. altn
9416	223.3	224.8	1.5	nil		½	Layered amph, sheared, chlor, epid. veir
9417	224.8	226.3	1.5	nil		tr	Layered amph, hairline epid, calc veins, py dissem. cubes

FALCONBRIDGE NICKEL MINES LTD.

SAMPLE RECORD

PROPERTY Gervais Option, Oba, Ontario PN 508 HOLE NO. GO-3 SHEET NO. 14

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS g/mt Au				% PY	ROCK TYPE & MINERALIZATION
9418	226.3	227.9	1.6	nil				tr	Layered amph, epid veining,
9419	227.9	229.4	1.5	nil				tr	Layered amph, epid. chlc veins, HEM
9420	229.4	230.9	1.5	nil				tr	Layered amph, epid, HEM, calc veining
9421	230.9	232.0	1.1	nil				tr	Layered amph, calc & HEM
9422	232.0	233.0	1.0	nil				tr	Layered amph, calc veinlets

Analysis was performed by X-Ray Assay Laboratories using the fire assay method.

APPENDIX A

Certificates of Analyses

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4
PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
30-AUG-84

REPORT 22624

REF. FILE 17976-SR

768 HUMUS PROJ. OBA506

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	NA	1.000

DATE 09-OCT-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU PPB
FH5526	<1
FH5527	1
FH5528	<1
FH5529	3
FH5530	2
FH5531	<1
FH5532	1
FH5533	1
FH5534	2
FH5535	1
FH5536	2
FH5537	2
FH5538	2
FH5539	<1
FH5540	<1
FH5541	2
FH5542	3
FH5543	2
FH5544	<1
FH5545	<1
FH5546	3
FH5547	3
FH5548	2
FH5549	1
FH5550	3
FH5551	<1
FH5552	<1
FH5553	2
FH5554	<1
FH5555	<1
FH5556	1
FH5557	1
FH5558	2
FH5559	3
FH5560	3
FH5561	2
FH5562	1
FH5563	2
FH5564	2
FH5565	1
FH5566	<1
FH5567	2
FH5568	<1
FH5569	2
FH5570	3
FH5571	1
FH5572	2
FH5573	SMP MISS
FH5574	1
FH5575	SMP MISS

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5576	2
FH5577	2
FH5578	1
FH5579	1
FH5580	<1
FH5581	1
FH5582	3
FH5583	1
FH5584	1
FH5585	<1
FH5586	1
FH5587	1
FH5588	2
FH5589	<1
FH5590	1
FH5591	2
FH5592	1
FH5593	2
FH5594	2
FH5595	2
FH5596	<1
FH5597	1
FH5598	1
FH5599	<1
FH5600	1
FH5601	<1
FH5602	1
FH5603	<1
FH5604	3
FH5605	<1
FH5606	<1
FH5607	4
FH5608	2
FH5609	4
FH5610	<1
FH5611	2
FH5612	1
FH5613	3
FH5614	2
FH5615	1
FH5616	1
FH5617	<1
FH5618	1
FH5619	2
FH5620	3
FH5621	1
FH5622	1
FH5623	1
FH5624	<1
FH5625	1

SAMPLE	AU PPB
FH5626	<1
FH5627	1
FH5628	1
FH5629	1
FH5630	<1
FH5631	1
FH5632	1
FH5633	<1
FH5634	<1
FH5635	<1
FH5636	1
FH5637	<1
FH5638	<1
FH5639	1
FH5639A	<1
FH5640	1
FH5641	<1
FH5642	<1
FH5643	1
FH5644	<1
FH5645	<1
FH5646	<1
FH5647	3
FH5648	<1
FH5649	1
FH5650	2
FH5651	<1
FH5652	<1
FH5653	2
FH5654	3
FH5655	1
FH5656	<1
FH5657	<1
FH5658	2
FH5659	<1
FH5660	2
FH5661	<1
FH5662	<1
FH5663	1
FH5664	1
FH5665	1
FH5666	<1
FH5667	1
FH5668	1
FH5669	1
FH5670	2
FH5671	2
FH5672	<1
FH5673	<1
FH5674	<1

SAMPLE	AU PPB
FH5675	2
FH5676	1
FH5677	<1
FH5678	<1
FH5679	<1
FH5680	<1
FH5681	<1
FH5682	<1
FH5683	2
FH5684	2
FH5685	2
FH5686	<1
FH5687	<1
FH5688	<1
FH5689	2
FH5690	<1
FH5691	1
FH5692	<1
FH5693	4
FH5694	<1
FH5695	<1
FH5696	<1
FH5697	<1
FH5698	<1
FH5699	<1
FH5700	NH
FH5701	<1
FH5702	2
FH5703	<1
FH5704	1
FH5705	<1
FH5706	<1
FH5707	<1
FH5708	1
FH5709	<1
FH5710	<1
FH5711	1
FH5712	<1
FH5713	1
FH5714	1
FH5715	1
FH5716	<1
FH5717	1
FH5718	<1
FH5719	<1
FH5720	<1
FH5721	<1
FH5722	2
FH5723	2
FH5724	<1

NH - NOT HUMUS

SAMPLE	AU PPB
FH5725	<1
FH5726	1
FH5727	1
FH5728	1
FH5729	<1
FH5730	<1
FH5731	1
FH5732	<1
FH5733	1
FH5734	1
FH5735	<1
FH5736	<1
FH5737	<1
FH5738	<1
FH5739	1
FH5740	2
FH5741	<1
FH5742	2
FH5743	2
FH5744	3
FH5745	<1
FH5746	<1
FH5747	4
FH5748	<1
FH5749	<1
FH5750	<1
FH5751	3
FH5752	<1
FH5753	2
FH5754	<1
FH5755	1
FH5756	<1
FH5757	1
FH5758	<1
FH5759	3
FH5760	<1
FH5761	2
FH5762	2
FH5763	1
FH5764	<1
FH5765	1
FH5766	<1
FH5767	<1
FH5768	<1
FH5769	<1
FH5770	1
FH5771	2
FH5772	1
FH5773	1
FH5774	<1

SAMPLE	AU PPB
FH5775	1
FH5776	<1
FH5777	2
FH5778	SMP MISS
FH5779	2
FH5780	3
FH5781	<1
FH5782	3
FH5783	1
FH5784	1
FH5785	1
FH5786	<1
FH5787	<1
FH5788	3
FH5789	1
FH5790	1
FH5791	1
FH5792	1
FH5793	1
FH5794	1
FH5795	1
FH5796	SMP MISS
FH5797	2
FH5798	1
FH5799	<1
FH5800	2
FH5801	1
FH5802	<1
FH5803	2
FH5804	1
FH5805	2
FH5806	<1
FH5807	1
FH5808	1
FH5809	<1
FH5810	1
FH5811	1
FH5812	<1
FH5813	<1
FH5814	<1
FH5815	<1
FH5816	1
FH5817	2
FH5818	2
FH5819	2
FH5820	2
FH5821	1
FH5822	1
FH5823	1
FH5824	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5825	<1
FH5826	1
FH5827	1
FH5828	1
FH5829	<1
FH5830	1
FH5831	1
FH5832	1
FH5833	<1
FH5834	<1
FH5835	3
FH5836	1
FH5837	3
FH5838	2
FH5839	<1
FH5840	<1
FH5841	2
FH5842	3
FH5843	1
FH5844	2
FH5845	<1
FH5846	<1
FH5847	2
FH5848	<1
FH5849	<1
FH5850	3
FH5851	1
FH5852	<1
FH5853	<1
FH5854	<1
FH5855	3
FH5856	1
FH5857	<1
FH5858	2
FH5859	1
FH5860	1
FH5861	1
FH5862	3
FH5863	<1
FH5864	<1
FH5865	<1
FH5866	1
FH5867	2
FH5868	2
FH5869	1
FH5870	1
FH5871	2
FH5872	1
FH5873	2
FH5874	2

SAMPLE	AU PPB
FH5875	1
FH5876	1
FH5877	3
FH5878	2
FH5879	1
FH5880	1
FH5881	2
FH5882	<1
FH5883	1
FH5884	2
FH5885	<1
FH5886	<1
FH5887	1
FH5888	1
FH5889	3
FH5890	1
FH5891	<1
FH5892	2
FH5893	<1
FH5894	1
FH5895	<1
FH5896	1
FH5897	<1
FH5898	2
FH5899	1
FH5900	<1
FH5901	2
FH5902	3
FH5903	1
FH5904	1
FH5905	30
FH5906	3
FH5907	1
FH5908	<1
FH5909	2
FH5910	<1
FH5911	SMP MISS
FH5912	<1
FH5913	1
FH5914	<1
FH5915	SMP MISS
FH5916	1
FH5917	2
FH5918	2
FH5919	<1
FH5920	<1
FH5921	1
FH5922	1
FH5923	1
FH5924	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5925	1
FH5926	<1
FH5927	3
FH5928	1
FH5929	<1
FH5930	1
FH5931	1
FH5932	<1
FH5933	<1
FH5934	<1
FH5935	1
FH5936	2
FH5937	3
FH5938	2
FH5939	<1
FH5940	1
FH5941	<1
FH5942	2
FH5943	<1
FH5944	<1
FH5945	2
FH5946	3
FH5947	1
FH5948	1
FH5949	<1
FH5950	2
FH5951	1
FH5952	1
FH5953	3
FH5954	<1
FH5955	<1
FH5956	3
FH5957	1
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FH5959	<1
FH5960	1
FH5961	<1
FH5962	1
FH5963	1
FH5964	1
FH5965	<1
FH5966	<1
FH5967	2
FH5968	<1
FH5969	2
FH5970	<1
FH5971	<1
FH5972	2
FH5973	1
FH5974	<1

SAMPLE	AU PPB
FH5975	1
FH5976	<1
FH5977	1
FH5978	2
FH5979	<1
FH5980	<1
FH5981	3
FH5982	2
FH5983	2
FH5984	<1
FH5984A	1
FH5985	<1
FH5985A	<1
FH5986	<1
FH5987	2
FH5988	<1
FH5989	1
FH5990	1
FH5991	<1
FH5992	<1
FH5993	<1
FH5994	1
FH5995	1
FH5996	2
FH5997	<1
FH5998	SMP MISS
FH5999	1
FH6000	2
FH6001	1
FH6002	1
FH6003	2
FH6004	1
FH6005	<1
FH6006	1
FH6007	1
FH6008	<1
FH6009	<1
FH6010	2
FH6011	1
FH6012	<1
FH6013	1
FH6014	1
FH6015	1
FH6016	<1
FH6017	<1
FH6018	<1
FH6019	1
FH6020	1
FH6021	1
FH6022	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH6023	SMP MISS
FH6024	<1
FH6025	2
FH6026	1
FH6027	1
FH6028	<1
FH6029	1
FH6030	2
FH6031	3
FH6032	<1
FH6033	<1
FH6034	2
FH6035	2
FH6036	2
FH6037	1
FH6038	1
FH6039	1
FH6040	1
FH6041	1
FH6042	1
FH6043	6
FH6044	2
FH6045	1
FH6046	1
FH6047	1
FH6048	SMP MISS
FH6049	2
FH6050	14
FH6051	2
FH6052	2
FH6053	2
FH6054	<1
FH6055	1
FH6056	3
FH6057	4
FH6058	<1
FH6059	<1
FH6060	<1
FH6061	<1
FH6062	2
FH6063	3
FH6063A	2
FH6064	1
FH6065	<1
FH6066	2
FH6067	1
FH6068	44
FH6069	1
FH6070	1
FH6071	SMP MISS

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH6072	SMP MISS
FH6073	1
FH6074	1
FH6075	<1
FH6076	<1
FH6077	1
FH6078	2
FH6079	1
FH6080	<1
FH6081	3
FH6082	3
FH6083	1
FH6084	2
FH6085	<1
FH6086	1
FH6087	3
FH6088	<1
FH6089	2
FH6090	3
FH6091	1
FH6092	<1
FH6093	1
FH6094	2
FH6095	<1
FH6096	<1
FH6097	SMP MISS
FH6098	<1
FH6099	<1
FH6100	<1
FH6101	1
FH6102	<1
FH6103	<1
FH6104	1
FH6105	2
FH6106	<1
FH6107	<1
FH6108	2
FH6109	2
FH6110	2
FH6111	3
FH6112	1
FH6113	1
FH6114	<1
FH6115	1
FH6116	<1
FH6117	<1
FH6118	<1
FH6119	<1
FH6120	1
FH6121	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH6122	<1
FH6123	SMP MISS
FH6124	3
FH6125	2
FH6126	1
FH6127	1
FH6128	1
FH6129	1
FH6130	1
FH6131	1
FH6132	2
FH6133	<1
FH6134	1
FH6135	<1
FH6136	2
FH6137	1
FH6138	<1
FH6139	3
FH6140	<1
FH6141	2
FH6142	1
FH6143	2
FH6144	<1
FH6145	1
FH6146	<1
FH6147	2
FH6148	SMP MISS
FH6149	SMP MISS
FH6150	1
FH6151	<1
FH6152	<1
FH6153	<1
FH6154	<1
FH6155	<1
FH6156	2
FH6157	2
FH6158	1
FH6159	<1
FH6160	1
FH6161	2
FH6162	1
FH6163	2
FH6164	<1
FH6165	<1
FH6166	3
FH6167	2
FH6168	2
FH6169	<1
FH6170	1
FH6171	1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH6172	1
FH6173	<1
FH6174	<1
FH6175	1
FH6176	<1
FH6177	<1
FH6178	<1
FH6179	<1
FH6180	1
FH6181	<1
FH6182	<1
FH6183	3
FH6184	2
FH6185	<1
FH6186	1
FH6187	1
FH6188	<1
FH6189	<1
FH6190	1
FH6191	<1
FH6192	1
FH6193	<1
FH6194	2
FH6195	4
FH6196	<1
FH6197	SMP MISS
FH6198	<1
FH6199	<1
FH6200	1
FH6201	1
FH6202	<1
FH6203	<1
FH6204	<1
FH6205	1
FH6206	1
FH6207	2
FH6208	3
FH6209	1
FH6210	<1
FH6211	1
FH6212	1
FH6213	<1
FH6214	6
FH6215	1
FH6216	2
FH6217	1
FH6218	<1
FH6219	1
FH6220	<1
FH6221	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH6222	<1
FH6223	1
FH6224	1
FH6225	1
FH6226	<1
FH6227	2
FH6228	1
FH6229	1
FH6230	2
FH6231	<1
FH6232	<1
FH6233	1
FH6234	1
FH6235	2
FH6236	1
FH6237	<1
FH6238	<1
FH6239	<1
FH6240	<1
FH6241	1
FH6242	<1
FH6243	1
FH6244	1
FH6245	SMP MISS
FH6246	<1
FH6247	1
FH6248	1
FH6249	1
FH6250	<1
FH6251	2
FH6252	<1
FH6253	2
FH6253A	2
FH6254	1
FH6255	2
FH6256	1
FH6257	<1
FH6258	2
FH6259	<1
FH6260	<1
FH6261	1
FH6262	1
FH6263	2
FH6264	<1
FH6265	1
FH6266	1
FH6267	<1
FH6268	<1
FH6269	2
FH6270	1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH6271	SMP MISS
FH6272	1
FH6273	1
FH6274	<1
FH6275	1
FH6276	2
FH6277	2
FH6278	SMP MISS
FH6279	SMP MISS
FH6280	2
FH6281	<1
FH6282	1
FH6283	<1
FH6284	<1
FH6285	1
FH6286	1
FH6287	1
FH6288	3
FH6289	1
FH6290	1
FH6291	2
FH6292	1
FH6293	2
FH6294	1
FH6295	2
FH6296	1
FH6297	2
FH6297A	1
FH6298	1
FH6299	1
FH6300	2
FH6301	<1
FH6302	1
FH6303	1
FH6304	1
FH6305	1
FH6306	1
FH6307	1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
12-SEP-84

REPORT 22577

REF. FILE 18136-SR

106 HUMUS PROJ. 506/507

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	NA	1.000

DATE 03-OCT-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU PPB
FH-7136	4
FH-7300	2
FH-7301	3
FH-7302	<1
FH-7303	1
FH-7304	2
FH-7305	2
FH-7306	<1
FH-7307	<1
FH-7308	1
FH-7309	<1
FH-7310	1
FH-7311	1
FH-7312	<1
FH-7313	<1
FH-7314	<1
FH-7315	1
FH-7316	3
FH-7317	1
FH-7318	3
FH-7319	1
FH-7320	2
FH-7321	<1
FH-7322	1
FH-7323	2
FH-7324	<1
FH-7325	<1
FH-7326	<1
FH-7327	2
FH-7328	<1
FH-7329	<1
FH-7330	2
FH-7331	1
FH-7332	1
FH-7333	1
FH-7334	<1
FH-7335	<1
FH-7336	1
FH-7337	3
FH-7338	<1
FH-7339	<1
FH-7340	<1
FH-7341	<1
FH-7342	1
FH-7343	1
FH-7344	1
FH-7345	<1
FH-7346	<1
FH-7347	<1
FH-7348	<1

SAMPLE	AU PPB
FH-7349	2
FH-7350	<1
FH-7351	<1
FH-7352	2
FH-7353	1
FH-7354	2
FH-7355	2
FH-7356	<1
FH-7357	<1
FH-7358	1
FH-7359	1
FH-7360	1
FH-7361	<1
FH-7362	<1
FH-7363	2
FH-7364	2
FH-7365	2
FH-7366	<1
FH-7367	1
FH-7368	<1
FH-7369	<1
FH-7370	<1
FH-7371	<1
FH-7372	<1
FH-7373	1
FH-7374	2
FH-7375	2
FH-7376	<1
FH-7377	2
FH-7378	<1
FH-7379	2
FH-7380	2
FH-7381	1
FH-7382	<1
FH-7383	2
FH-7384	<1
FH-7385	1
FH-7386	<1
FH-7387	2
FH-7388	4
FH-7389	<1
FH-7390	2
FH-7391	1
FH-7392	1
FH-7393	<1
FH-7394	1
FH-7395	<1
FH-7396	<1
FH-7397	4
FH-7398	1

SAMPLE	AU PPB
FH-7399	1
FH-7400	2
FH-7401	<1
FH-7402	<1
FH-7500	8
FH-7501	1

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
6-SEP-84

REPORT 22478

REF. FILE 18077-SR

293 HUMUS PROJ. OBA506,507

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	NA	1.000

DATE 27-SEP-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU PPB
FH7000	1
FH7001	<1
FH7002	4
FH7003	4
FH7004	1
FH7005	<1
FH7006	<1
FH7007	1
FH7008	2
FH7009	2
FH7010	2
FH7011	1
FH7012	2
FH7013	2
FH7014	2
FH7015	2
FH7016	1
FH7017	2
FH7018	2
FH7019	5
FH7020	3
FH7021	1
FH7022	2
FH7023	1
FH7024	3
FH7025	1
FH7026	2
FH7027	5
FH7028	1
FH7029	1
FH7030	<1
FH7031	<1
FH7032	2
FH7033	2
FH7034	1
FH7035	1
FH7036	<1
FH7037	2
FH7038	4
FH7039	3
FH7040	2
FH7041	<1
FH7042	1
FH7043	3
FH7044	<1
FH7045	4
FH7046	<1
FH7047	2
FH7048	1
FH7049	6

SAMPLE	AU PPB
FH7050	<1
FH7051	2
FH7052	6
FH7053	2
FH7054	<1
FH7055	<1
FH7056	1
FH7057	2
FH7058	<1
FH7059	1
FH7060	1
FH7061	2
FH7062	4
FH7063	6
FH7064	<1
FH7065	5
FH7066	1
FH7067	<1
FH7068	2
FH7069	1
FH7070	2
FH7071	2
FH7072	3
FH7073	<1
FH7074	3
FH7075	1
FH7076	3
FH7077	1
FH7078	<1
FH7079	1
FH7080	4
FH7081	5
FH7082	1
FH7083	3
FH7084	<1
FH7085	1
FH7086	2
FH7087	2
FH7088	1
FH7089	4
FH7090	<1
FH7091	1
FH7092	<1
FH7093	1
FH7094	<1
FH7095	1
FH7096	3
FH7097	8
FH7098	2
FH7099	<1

SAMPLE	AU PPB
FH7100	2
FH7101	2
FH7102	<1
FH7103	1
FH7104	2
FH7105	2
FH7106	2
FH7107	1
FH7108	SMP MISS
FH7109	1
FH7110	1
FH7111	<1
FH7112	1
FH7113	2
FH7114	4
FH7115	<1
FH7116	5
FH7117	<1
FH7118	<1
FH7119	2
FH7120	2
FH7121	1
FH7122	5
FH7123	5
FH7124	2
FH7125	7
FH7126	1
FH7127	<1
FH7128	4
FH7129	1
FH7130	9
FH7131	<1
FH7132	4
FH7133	10
FH7134	1
FH7135	3
FH7136	SMP MISS
FH7137	2
FH7138	3
FH7139	3
FH7140	<1
FH7141	4
FH7142	SMP MISS
FH7143	3
FH7144	3
FH7145	1
FH7146	3
FH7147	1
FH7148	<1
FH7149	3

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH7150	3
FH7151	1
FH7152	7
FH7153	2
FH7154	1
FH7155	2
FH7156	1
FH7157	3
FH7158	3
FH7159	3
FH7160	2
FH7161	6
FH7162	1
FH7163	13
FH7164	3
FH7165	2
FH7166	2
FH7167	<1
FH7168	1
FH7169	2
FH7170	<1
FH7171	1
FH7172	1
FH7173	1
FH7174	2
FH7175	10
FH7176	3
FH7177	1
FH7178	1
FH7179	2
FH7180	1
FH7181	<1
FH7182	5
FH7183	<1
FH7184	1
FH7185	<1
FH7186	<1
FH7187	3
FH7188	2
FH7189	<1
FH7190	2
FH7191	<1
FH7192	<1
FH7193	1
FH7194	<1
FH7195	1
FH7196	1
FH7197	10
FH7198	1
FH7199	<1

SAMPLE	AU PPB
FH7200	4
FH7201	2
FH7202	4
FH7203	2
FH7204	1
FH7205	4
FH7206	2
FH7207	3
FH7208	2
FH7209	2
FH7210	2
FH7211	<1
FH7212	2
FH7213	<1
FH7214	1
FH7215	1
FH7216	2
FH7217	9
FH7218	1
FH7219	3
FH7220	<1
FH7221	4
FH7222	1
FH7223	<1
FH7224	4
FH7225	1
FH7226	2
FH7227	3
FH7228	2
FH7229	2
FH7230	1
FH7231	1
FH7232	6
FH7233	2
FH7234	8
FH7235	1
FH7236	10
FH7237	50
FH7238	9
FH7239	10
FH7240	<1
FH7241	1
FH7242	<1
FH7243	<1
FH7244	1
FH7245	<1
FH7246	2
FH7247	<1
FH7248	2
FH7249	<1

SAMPLE	AU PPB
FH7250	8
FH7251	<1
FH7252	<1
FH7253	1
FH7254	SMP MISS
FH7255	<1
FH7256	<1
FH7257	<1
FH7258	1
FH7259	5
FH7260	4
FH7261	<1
FH7262	2
FH7263	1
FH7264	2
FH7265	SMP MISS
FH7266	4
FH7267	11
FH7268	3
FH7269	3
FH7270	1
FH7271	3
FH7272	2
FH7273	3
FH7274	2
FH7275	4
FH7276	4
FH7277	2
FH7278	2
FH7279	7
FH7280	3
FH7281	1
FH7282	4
FH7283	2
FH7284	<1
FH7285	4
FH7286	3
FH7287	SMP MISS
FH7288	SMP MISS
FH7289	1
FH7290	1
FH7291	2
FH7292	2
FH7293	8
FH7294	<1
FH7295	3
FH7296	9
FH7297	1
FH7298	5
FH7299	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: P.B. BARD
3874 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 2[illegible]

DATE SUBMITTED
16-AUG-84

REPORT 22193

REF. FILE 17827-

25 ROCKS

WERE ANALYZED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	NA	1.000

Falconbridge
PN 506

DATE 06-SEP-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU PPB
FH5301	1
FH5302	<1
FH5303	2
FH5304	2
FH5305	1
FH5306	23
FH5307	1
FH5308	<1
FH5309	2
FH5310	3
FH5311	1
FH5312	2
FH5313	2
FH5314	3
FH5315	2
FH5316	<1
FH5317	<1
FH5318	2
FH5319	2
FH5320	2
FH5321	<1
FH5322	2
FH5323	2
FH5324	<1
FH5325	<1
FH5326	2
FH5327	<1
FH5328	1
FH5329	2
FH5330	3
FH5331	3
FH5332	<1
FH5333	1
FH5334	1
FH5335	<1
FH5336	1
FH5337	<1
FH5338	2
FH5339	<1
FH5340	<1
FH5341	<1
FH5342	2
FH5343	2
FH5344	1
FH5345	<1
FH5346	1
FH5347	<1
FH5348	<1
FH5349	4
FH5350	5

SAMPLE	AU PPB
FH5351	3
FH5352	<1
FH5353	2
FH5354	2
FH5355	2
FH5356	2
FH5357	<1
FH5358	<1
FH5359	2
FH5360	1
FH5361	<1
FH5362	1
FH5363	1
FH5364	2
FH5365	<1
FH5366	1
FH5367	<1
FH5368	3
FH5369	1
FH5370	1
FH5371	<1
FH5372	1
FH5373	<1
FH5374	1
FH5375	1
FH5376	<1
FH5377	2
FH5378	2
FH5379	2
FH5380	3
FH5381	<1
FH5382	1
FH5383	<1
FH5384	1
FH5385	1
FH5386	<1
FH5387	2
FH5388	1
FH5389	<1
FH5390	2
FH5391	2
FH5392	2
FH5393	1
FH5394	1
FH5395	3
FH5396	4
FH5397	2
FH5398	2
FH5399	1
FH5400	1

SAMPLE	AU PPB
FH5401	2
FH5402	2
FH5403	1
FH5404	1
FH5405	2
FH5406	2
FH5407	<1
FH5408	2
FH5409	4
FH5410	1
FH5411	1
FH5412	<1
FH5413	2
FH5414	2
FH5415	1
FH5416	2
FH5417	<1
FH5418	2
FH5419	<1
FH5420	2
FH5421	2
FH5422	<1
FH5423	2
FH5424	3
FH5425	2
FH5426	2
FH5427	3
FH5428	1
FH5429	2
FH5430	<1
FH5431	1
FH5432	2
FH5433	<1
FH5434	1
FH5435	<1
FH5436	<1
FH5437	1
FH5438	1
FH5439	2
FH5440	3
FH5441	<1
FH5442	<1
FH5443	<1
FH5444	1
FH5445	2
FH5446	2
FH5447	1
FH5448	1
FH5449	<1
FH5450	2

SAMPLE	AU PPB
FH5451	2
FH5452	4
FH5453	2
FH5454	<1
FH5455	3
FH5456	3
FH5457	1
FH5458	2
FH5459	2
FH5460	<1
FH5461	2
FH5462	<1
FH5463	2
FH5464	1
FH5465	2
FH5466	2
FH5467	3
FH5468	1
FH5469	5
FH5470	2
FH5471	2
FH5472	<1
FH5473	1
FH5474	<1
FH5475	2
FH5476	2
FH5477	1
FH5478	1
FH5479	1
FH5480	<1
FH5481	2
FH5482	2
FH5483	3
FH5484	3
FH5485	2
FH5486	<1
FH5487	<1
FH5488	1
FH5489	2
FH5490	3
FH5491	1
FH5492	1
FH5493	1
FH5494	3
FH5495	3
FH5496	1
FH5497	3
FH5498	2
FH5499	2
FH5500	2

SAMPLE	AU PPB
FH5501	<1
FH5502	2
FH5503	<1
FH5504	2
FH5505	1
FH5506	2
FH5507	1
FH5508	<1
FH5509	<1
FH5510	<1
FH5511	2
FH5512	1
FH5513	1
FH5514	2
FH5515	<1
FH5516	2
FH5517	2
FH5518	3
FH5519	<1
FH5520	<1
FH5521	2
FH5522	1
FH5523	<1
FH5524	2
FH5525	2

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4
PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
16-JUL-84

REPORT 21890

REF. FILE 17432-SR

296 HUMUS PROJ. OBA-506

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	NA	1.000

DATE 09-AUG-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY S. Moore per Mg.

SAMPLE	AU PPB
FH5001	6
FH5002	1
FH5003	1
FH5004	<1
FH5005	2
FH5006	3
FH5007	3
FH5008	3
FH5009	3
FH5010	8
FH5011	8
FH5012	1
FH5013	2
FH5014	5
FH5015	2
FH5016	1
FH5017	6
FH5018	1
FH5019	8
FH5020	8
FH5021	<1
FH5022	<1
FH5023	5
FH5024	6
FH5025	4
FH5026	1
FH5027	<1
FH5028	2
FH5029	<1
FH5030	2
FH5031	1
FH5032	<1
FH5033	2
FH5034	1
FH5035	1
FH5036	<1
FH5037	<1
FH5038	3
FH5039	2
FH5040	1
FH5041	2
FH5042	SMP MISS
FH5043	1
FH5044	2
FH5045	2
FH5046	<1
FH5047	2
FH5048	2
FH5049	<1
FH5050	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5051	<1
FH5052	2
FH5053	<1
FH5054	1
FH5055	<1
FH5056	1
FH5057	1
FH5058	3
FH5059	<1
FH5060	1
FH5061	<1
FH5062	1
FH5063	1
FH5064	<1
FH5065	<1
FH5066	3
FH5067	2
FH5068	1
FH5069	<1
FH5070	2
FH5071	<1
FH5072	1
FH5073	4
FH5074	<1
FH5075	3
FH5076	3
FH5077	2
FH5078	<1
FH5079	2
FH5080	1
FH5081	4
FH5082	2
FH5083	4
FH5084	<1
FH5085	1
FH5086	2
FH5087	1
FH5088	1
FH5089	1
FH5090	<1
FH5091	2
FH5092	<1
FH5093	1
FH5094	1
FH5095	1
FH5096	<1
FH5097	<1
FH5098	1
FH5099	<1
FH5100	<1

SAMPLE	AU PPB
FH5101	1
FH5102	2
FH5103	1
FH5104	<1
FH5105	2
FH5106	1
FH5107	1
FH5108	1
FH5109	<1
FH5110	1
FH5111	<1
FH5112	1
FH5113	<1
FH5114	1
FH5115	3
FH5116	1
FH5117	1
FH5118	1
FH5119	1
FH5120	<1
FH5121	1
FH5122	<1
FH5123	1
FH5124	2
FH5125	2
FH5126	1
FH5127	4
FH5128	1
FH5129	1
FH5130	1
FH5131	1
FH5132	2
FH5133	1
FH5134	<1
FH5135	1
FH5136	<1
FH5137	<1
FH5138	2
FH5139	<1
FH5140	<1
FH5141	1
FH5142	<1
FH5143	<1
FH5144	2
FH5145	3
FH5146	1
FH5147	1
FH5148	2
FH5149	1
FH5150	1

SAMPLE	AU PPB
FH5151	2
FH5152	2
FH5153	1
FH5154	3
FH5155	2
FH5156	2
FH5157	3
FH5158	2
FH5159	1
FH5160	2
FH5161	1
FH5162	1
FH5163	<1
FH5164	1
FH5165	1
FH5166	2
FH5167	2
FH5168	2
FH5169	1
FH5170	3
FH5171	3
FH5172	2
FH5173	1
FH5174	6
FH5175	2
FH5176	1
FH5177	1
FH5178	1
FH5179	<1
FH5180	<1
FH5181	1
FH5182	2
FH5183	1
FH5184	SMP MISS
FH5185	2
FH5186	2
FH5187	<1
FH5188	2
FH5189	<1
FH5190	3
FH5191	1
FH5192	<1
FH5193	1
FH5194	<1
FH5195	1
FH5196	3
FH5197	<1
FH5198	2
FH5199	2
FH5200	<1

MP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5201	2
FH5202	2
FH5203	3
FH5204	1
FH5205	<1
FH5206	1
FH5207	2
FH5208	2
FH5209	<1
FH5210	2
FH5211	1
FH5212	<1
FH5213	1
FH5214	2
FH5215	2
FH5216	1
FH5217	1
FH5218	1
FH5219	2
FH5220	3
FH5221	<1
FH5222	2
FH5223	1
FH5224	3
FH5225	3
FH5226	1
FH5227	<1
FH5228	1
FH5229	<1
FH5230	1
FH5231	<1
FH5232	SMP MISS
FH5233	1
FH5234	1
FH5235	1
FH5236	<1
FH5237	<1
FH5238	2
FH5239	3
FH5240	<1
FH5241	1
FH5242	2
FH5243	<1
FH5244	1
FH5245	<1
FH5246	1
FH5247	1
FH5248	<1
FH5249	<1
FH5250	3

SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5251	SMP MISS
FH5252	<1
FH5253	2
FH5254	2
FH5255	<1
FH5256	1
FH5257	1
FH5258	1
FH5259	2
FH5260	1
FH5261	SMP MISS
FH5262	<1
FH5263	4
FH5264	1
FH5265	2
FH5266	3
FH5267	2
FH5268	2
FH5269	2
FH5270	2
FH5271	2
FH5272	2
FH5273	1
FH5274	3
FH5275	3
FH5276	2
FH5277	1
FH5278	1
FH5279	2
FH5280	<1
FH5281	2
FH5282	1
FH5283	2
FH5284	2
FH5285	3
FH5286	1
FH5287	1
FH5288	2
FH5289	<1
FH5290	2
FH5291	2
FH5292	2
FH5293	2
FH5294	<1
FH5295	<1
FH5296	3
FH5297	<1
FH5298	1
FH5299	<1
FH5300	1

SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

SAMPLE	AU PPB
FH5330	1

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

IKM

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
27-AUG-84

REPORT 22277

REF. FILE 17931-K4

47 ROCKS PROJ. PN508GERV.OPT. 506 (NORTHEAST GRID)

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 13-SEP-84

CERTIFIED BY .....

FICE COPY: DISTRIBUTION 228- 1- 12 R212:
OICE : 228- 1- 12

SAMPLE	AU PPB
FS17501	5
FS17502	2
FS17503	3
FS17504	<2
FS17505	3
FS17506	<2
FS17507	<2
FS17508	4
FS17509	2
FS17510	4
FS17511	5
FS17512	<2
FS17513	<2
FS17514	<2
FS17515	2
FS17516	7
FS17517	8
FS17518	2
FS17519	2
FS17520	3
FS17521	<2
FS17522	4
FS17523	11
FS17524	9
FS17525	2
FS17526	3
FS17527	5
FS17528	4
FS17529	6
FS17530	<2
FS17531	10
FS17532	4

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
17-OCT-84

REPORT 22783

REF. FILE 18472-PH

5 PULPS ON HAND W.O#18105

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
MO PPM	DCP	1.000

DATE 24-OCT-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

cc to

SAMPLE	AU PPB	MO PPM
BS17083	59	4
BS17084	6	5
BS17085	7	350
BS17086	4	24
BS17087	<2	82

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

NTS

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
10-SEP-84

REPORT 22488

REF. FILE 18105-C5

69 ROCKS PROJ. OBA507,S.GRID

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 27-SEP-84

CERTIFIED BY .....

SAMPLE	AU PPB
BS17080	6
BS17081	4
BS17082	27
BS17083	66
BS17084	<2
BS17085	2
BS17086	<2

SAMPLE	AU PPB
BS17087	<2
BS17088	<2
BS17089	<2
BS17090	<2
BS17091	<2
BS17092	<2
BS17093	5
BS17094	3
FS17533	2
FS17534	<2
FS17535	<2
FS17536	4
FS17537	<2
FS17538	<2
FS17539	6
FS17540	3
FS17541	8
FS17542	4
FS17543	2

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

IRM

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
6-SEP-84

REPORT 22392

REF. FILE 18053-W5

16 ROCKS PROJ. UBA507

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
AU G/MT	FA	0.030

DATE 20-SEP-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU PPB	AU G/MT
BS-17067	--	TRACE
BS-17068	--	NIL
BS-17069	--	NIL
BS-17070	--	NIL
BS-17071	--	NIL
BS-17156	4	--
BS-17157	<2	--
BS-17158	3	--
BS-17159	<2	--
BS-17160	<2	--
BS-17161	2	--
BS-17162	<2	--
BS-17163	<2	--
BS-17164	<2	--
BS-17165	3	--
BS-17166	<2	--
BS-17167	<2	--
BS-17168	2	--

G/MT - 1 ASSAY TON SAMPLE WEIGHT

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
9-AUG-84

REPORT 22066

REF. FILE 17720-S1

45 ROCKS PROJ. 507-OBA

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
AU G/MT	FA	0.030

DATE 24-AUG-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

SAMPLE	AU PPB	AU G/MT
BS17043	5	--
BS17044	<2	--
BS17045	<2	--
BS17046	<2	--
BS17047	2	--
BS17048	15	--
BS17049	<2	--
BS17050	<2	--
BS17051	<2	--
BS17052	<2	--
BS17053	<2	--
BS17054	<2	--
BS17055	<2	--
BS17056	<2	--
BS17057	2	--
BS17058	<2	--
BS17059	4	--
BS17060	2	--
BS17061	<2	--
BS17062	<2	--
BS17063	2	--
BS17064	39	--
BS17065	<2	--
BS17066	<2	--
BS17133	--	TRACE
BS17134	--	NIL
BS17135	--	NIL
BS17136	--	NIL
BS17137	--	NIL
BS17139	--	NIL
BS17140	--	NIL
BS17141	--	NIL
BS17142	--	NIL
BS17143	--	NIL
BS17144	--	TRACE
BS17145	--	0.03
BS17146	--	NIL
BS17147	--	NIL
BS17148	--	NIL
BS17149	--	TRACE
BS17150	--	NIL
BS17151	--	NIL
BS17152	--	NIL
BS17154	--	NIL
BS17155	--	NIL

0 G/MT - 1 ASSAY TON SAMPLE WEIGHT

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
25-JUL-84

REPORT 21884

REF. FILE 17547-N4

28 ROCKS PROJ. 507

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
AU G/MT	FA	0.030

X-RAY ASSAY LABORATORIES LIMITED

DATE 09-AUG-84

CERTIFIED BY ..E.J.B.....

SAMPLE	AU PPB	AU G/MT
BS17025A	--	NIL
BS17025B	--	TRACE
BS17026A	--	NIL
BS17026B	--	TRACE
BS17027	--	NIL
BS17028	--	NIL
BS17029	--	NIL
BS17030	--	NIL
BS17031	--	NIL
BS17032	--	NIL
BS17033	--	NIL
BS17034	--	NIL
BS17035	--	NIL
BS17036	--	NIL
BS17037	--	NIL
BS17038	--	NIL
BS17039	--	NIL
BS17040	--	NIL
BS17041	--	NIL
BS17042	--	NIL
BS17125	<2	--
BS17126	<2	--
BS17127	<2	--
BS17128	7	--
BS17129	2	--
BS17130	<2	--
BS17131	<2	--
BS17132	<2	--

AU G/MT - 1 ASSAY TON SAMPLE WEIGHT

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4
PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
20-JUL-84

REPORT 21852

REF. FILE 17496-S5

48 ROCKS PROJ. OBA507

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030
AU G/MT	FA	0.030

X-RAY ASSAY LABORATORIES LIMITED

DATE 07-AUG-84

CERTIFIED BY S. Moore per mp

SAMPLE	AU G/MT	AU G/MT
BS17006	--	NIL
BS17007	--	NIL
BS17008	--	0.03
BS17009	--	NIL
BS17010	--	NIL
BS17011	--	NIL
BS17012	--	NIL
BS17013	--	NIL
BS17014	--	NIL
BS17015	--	NIL
BS17016	--	NIL
BS17017	--	NIL
BS17018	--	NIL
BS17019	--	NIL
BS17020	--	NIL
BS17021	--	0.15
BS17022	--	0.27
BS17023	--	NIL
BS17024	--	NIL
BS17104	NIL	--
BS17105	NIL	--
BS17106	NIL	--
BS17107	NIL	--
BS17108	NIL	--
BS17109	NIL	--
BS17110	NIL	--
BS17111	TRACE	--
BS17112	NIL	--
BS17113	0.08	--
BS17114	NIL	--
BS17115	TRACE	--
BS17116	0.04	--
BS17117	NIL	--
BS17118	NIL	--
BS17119	0.08	--
BS17120	NIL	--
BS17121	NIL	--
BS17122	NIL	--
BS17123	NIL	--
BS17124	NIL	--
BS171001	--	NIL
BS171002	--	NIL
BS171003	--	NIL
BS171004	--	0.11
BS171005	--	NIL
BS171101	NIL	--
BS171102	NIL	--
BS171103	NIL	--

AU G/MT - 1 ASSAY TON SAMPLE WEIGHT

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
1-MAR-84

REPORT 20435

REF. FILE 16190-A5

6 S.CORES PROJ. PN 508,GERVAIS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

X-RAY ASSAY LABORATORIES LIMITED

DATE 05-MAR-84

CERTIFIED BY .....

SAMPLE	AU G/MT
9945	NIL
9946	NIL
9947	NIL
9948	NIL
9949	NIL
9950	NIL

Dennis 60.3

Sample #'s 9945 to 9950

XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
5-MAR-84

REPORT 20445

REF. FILE 16224-03

3 S.CORES P.O. PN508 GERVAIS OPTION

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

Typed by

DATE 07-MAR-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY ...S. Moore..... per Mgr.

SAMPLE	AU G/MT
9951	TRACE
9952	NIL
9953	NIL

60-3.

Samples 9951 to 9953

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
8-MAR-84

REPORT 20562

REF. FILE 16258-R1

60 S.CORES P.O. PN508, GERVAIS OPTION

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

Typed KB

p0.3

X-RAY ASSAY LABORATORIES LIMITED

DATE 16-MAR-84

CERTIFIED BY J. Moore per Mgr.

SAMPLE	AU G/MT
9267	NIL
9268	NIL
9269	NIL
9270	NIL
9271	NIL
9272	NIL
9273	NIL
9274	NIL
9275	NIL
9276	NIL
9277	NIL
9278	NIL
9279	NIL
9280	0.04
9281	TRACE
9282	NIL
9283	NIL
9284	NIL
9285	NIL
9286	NIL
9287	NIL
9288	NIL
9289	NIL
9290	NIL
9291	NIL
9292	NIL
9293	NIL
9294	NIL
9295	NIL
9296	NIL
9297	NIL
9298	NIL
9299	NIL
9300	NIL
9301	NIL
9302	NIL
9303	NIL
9304	NIL
9305	NIL
9306	NIL
9307	NIL
9308	NIL
9309	NIL
9310	NIL
9311	NIL
9312	NIL
9313	NIL
9314	NIL
9315	NIL
9316	NIL

DDH 60-3

Sample #'s 9267 to 9326

DD-3

SAMPLE	AU G/MT
9317	NIL
9318	NIL
9319	NIL
9320	NIL
9321	NIL
9322	NIL
9323	NIL
9324	NIL
9325	NIL
9326	NIL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
15-MAR-84

REPORT 20572

REF. FILE 16330-04

18 S.CORES P.O. PN508, GERVAIS OPTION

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

typed RB.

X-RAY ASSAY LABORATORIES LIMITED

DATE 19-MAR-84

CERTIFIED BY S. Moore per Mgr.

SAMPLE	AU G/MT
9381	TRACE
9382	NIL
9383	NIL
9384	NIL
9385	NIL
9386	NIL
9387	NIL
9388	NIL
9389	NIL
9390	NIL
9391	NIL
9392	NIL
9393	NIL
9394	NIL
9395	NIL
9396	NIL
9397	NIL
9398	NIL

PD-3.

9381 to 9398

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4
PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
12-MAR-84

REPORT 20623

REF. FILE 16290-D4

11 S.CORES P.O. PN508, GERVAIS OPTION

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

X-RAY ASSAY LABORATORIES LIMITED

DATE 26-MAR-84

CERTIFIED BY S. Moore per Mgr.

SAMPLE	AU G/MT
9370	NIL
9371	NIL
9372	NIL
9373	NIL
9378	NIL
9379	TRACE
9380	NIL
9410	NIL
9411	NIL
9412	NIL
9414	NIL

9370 & 9373
9378-9380
9410 - 9412
9414

X-RAY ASSAY LABORATORIES LIMITED

1685 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
12-MAR-84

REPORT 20634

REF. FILE 16285-T2

33 S.CORES P.O. PN508, GERVAIS OPTION

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

X-RAY ASSAY LABORATORIES LIMITED

DATE 27-MAR-84

CERTIFIED BY .....

X-RAY ASSAY LABORATORIES 27-MAR-84 REPORT 20634 REF.FILE 16285-T2 PAGE 1 OF 1

SAMPLE	AU G/MT
9365	NIL
9366	NIL
9367	NIL
9368	NIL
9369	NIL
9374	NIL
9375	NIL
9376	NIL
9377	TRACE
9399	NIL
9400	NIL
9401	NIL
9402	NIL
9403	NIL
9404	NIL
9405	NIL
9406	NIL
9407	NIL
9408	0.04
9409	NIL
9413	NIL
9415	NIL
9416	NIL
9417	NIL
9418	NIL
9419	NIL
9420	NIL
9421	NIL
9422	NIL

A0 - 3.

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
15-MAR-84

REPORT 20654

REF. FILE 16331-E2

38 S.CORES P.O. PN508, GERVAIS OPTION

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU G/MT	FA	0.030

DATE 28-MAR-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY A. Moore per mgs.

SAMPLE	AU G/MT
9327	NIL
9328	NIL
9329	NIL
9330	NIL
9331	NIL
9332	NIL
9333	NIL
9334	NIL
9335	NIL
9336	NIL
9337	NIL
9338	NIL
9339	NIL
9340	NIL
9341	NIL
9342	NIL
9343	NIL
9344	NIL
9345	NIL
9346	NIL
9347	TRACE
9348	NIL
9349	TRACE
9350	NIL
9351	NIL
9352	NIL
9353	NIL
9354	NIL
9355	NIL
9356	NIL
9357	NIL
9358	NIL
9359	NIL
9360	NIL
9361	NIL
9362	NIL
9363	NIL
9364	NIL

HO-3

Samples HO-3 9327 to 9364

APPENDIX B

Expenditure Breakdown,
Analytical Invoices and
Proof of Payment

EXPENDITURE BREAKDOWN

	Invoice No.	Amount
Humus Geochemistry	22624	5607.40
	22577	768.20
	22478	2220.00
	22193	1620.00
	21890	2131.20
Rock Geochemistry	22277 (part of)	312.00
	22783	46.50
	22488 (part of)	253.50
	22392	195.50
	22066	528.00
	21884	358.00
	21852	582.00
Drill Core Assays (GO-3)	20435	119.25
	20445	68.38
	20562	795.00
	20572	357.75
	20623	145.75
	20634 (part of)	384.25
	20654	503.50
TOTAL EXPENDITURES		16996.18

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO
FALCONBRIDGE LIMITED
ATTN: R B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO

SUBMITTED TO
FALCONBRIDGE LIMITED
ATTN: R B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
22624	09-OCT-84	17976	30-AUG-84

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENT'S P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	084506		HUMUS

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
12 SACKS	SMALL FRY	14138	

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 767	AU. BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13. 2. 20. 0. 0. 0	6.50	4985.50 ✓
2. 768	HUMUS, DRYING & BLENDING	99. 2. 0. 0. 0. 0	0.70	537.60 ✓
20	MISSING SAMPLES			

5 607•400 ✓ +
794•750 +
6 402•150 =

SUB-TOTAL $ 5523.10

SHIPPING CHARGES	CUSTOM BROKERAGE	TAXES	BROKERAGE CHARGES
84.30			BROKERAGE - RUSH SERVICE $ 84.30 ✓

TOTAL IN CANADIAN FUNDS $ 5607.40

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY 1-CDN 2-U.S.	P. L.
XRAY, ASSAY, LTD	22624	1	

ACCOUNT CODE			AMOUNT	CR
GENERAL LEDGER	DETAIL	EXPLORATION PROJECTS		X
3103015	6108	51016	5,607.40	

84.39

APPROVED	CODED	EXT. & ADDITION	A/PAY
	AB	AB	

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5756

INVOICE TO
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
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COPY TO.

SUBMITTED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 229

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
22577	03-OCT-84	18136	12-SEP-84

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	506	HUMUS

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BAG	SMALL FRY	15291	

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 106	AU, BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13. 2. 20. 0. 0. 0	6.50	689.00
2. 106	HUMUS, DRYING & BLENDING	99. 2. 0. 0. 0. 0	0.70	74.20

MISC. CHARGES				
SHIPPING CHARGES: 5.00	BUSINESS DISBURSE	VALUE	MINIMUM CHARGES	SUB-TOTAL $ 763.20
OTHER			SURCHARGE - RUSH SERVICE	$ 5.00
			TOTAL (IN CANADIAN FUNDS)	$ 768.20

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY 1 - CDN 2 - U.S.	P. L.
X-Ray Assay Labs	22577	1	

ACCOUNT CODE			AMOUNT	CR
GENERAL LEDGER	DETAIL	EXPLORATION PROJECTS		
30 30 15	6108	5016	768.20	X

APPROVED	CODED	EXT. & ADDITION	A/PAY

84-37

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO

FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO

SUBMITTED TO

FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
22478	27-SEP-84	18077	6-SEP-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O. NO.	CURRENT EXPLORATION		TYPE OF SAMPLES SUBMITTED
	506		HUMUS

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
11 BAGS	SMALL FRY	15536	

	QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	293	AU	20. 2. 0. 0. 0	6.50	1904.50
2.	293	HUMUS, DRY & BLEND	2. 0. 0. 0. 0	0.70	205.10
				SUB-TOTAL	$ 2109.60
MISC.	SHIPPING CHARGES: 110.40	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
	OTHER			SURCHARGE - RUSH SERVICE	$ 110.40
				TOTAL IN CANADIAN FUNDS	$ 2220.00

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY 1-CDN 2-U.S.	P. L.
X-Ray Assay Labs	22478	1	

ACCOUNT CODE			AMOUNT	CR
GENERAL LEDGER	DETAIL	EXPLORATION PROJECTS		X
310305	6018	506	2,222.00	

APPROVED	CODED	EXT. & ADDITION	A/PAY

41-34

XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

VOICE TO:

FALCONBRIDGE LIMITED
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3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
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COPY TO:

SAME

BMITTED TO:

FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTE
22193	06-SEP-84	17827	16-AUG-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

NTS P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	PN506		HUMUS

OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
	CNX(PART OF 17810)	213675700, 711, 722, 733	

	QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	225	AU, BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13, 2, 20, 0, 0, 0	6.50	1462.50
2.	225	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	157.50

SUB-TOTAL $ 1620.00

MINIMUM CHARGES

SURCHARGE, RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 1620.00

FALCONBRIDGE LIMITED

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

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FALCONBRIDGE LIMITED
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3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
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FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
21890	09-AUG-84	17432	16-JUL-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

ITS P.O. NO.	CLIENT PROJECT NO		TYPE OF SAMPLES SUBMITTED
	OBA-506		HUMUS

# PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
3 SACKS	COURIER		

QUANTITY		DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	296	AU, BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13, 2, 20, 0, 0, 0	6.50	1924.00
2.	296	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	207.20
	5	MISSING SAMPLES			

SUB-TOTAL $ 2131.20

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
			SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 2131.20

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-8756

INVOICE TO
FALCONBRIDGE LIMITED
ATTN: R B BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO

SUBMITTED TO
FALCONBRIDGE LIMITED
ATTN: R B BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 220

INVOICE NO	INVOICE DATE	WORK ORDER NO	DATE SUBMITTED
22277	13-SEP-84	17931	27-AUG-84

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

PM508ERV OPT | ROCK

3 BAGS | CNI | 213697993

QUANTITY		DESCRIPTION METHOD	XRAL CODE	UNIT PRICE	AMOUNT
1	47	AU PPB	2.10.7.0.0.0	7.00	329.00 ✓
2	47	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99.1.0.0.0.0	2.75	129.25 ✓

32 rock samples
@ 9.75
$ 312.00

SUB-TOTAL $ 458.25

TOTAL IN CANADIAN FUNDS $ 458.25

OR

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY 1-CDN 2-US	F. E.
XRAY ASSAY LABS	22277	1	

ACCOUNT CODE			AMOUNT	CR
GENERAL LEDGER	DETAIL	EXPLORATION PROJECTS		X
310195	61018	5108	458.25	

APPROVED | CODED | EXT. & ADDITION | A/PAY

84-34

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

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FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

ED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NOS.	DATE SUBMITTED
22783	24-OCT-84	18472	17-OCT-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	507		PULP

	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
	P.O.H. #18105		

	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
5	MO, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	2.30	11.50
5	AU, PPB	2, 10, 7, 0, 0, 0	7.00	35.00

EXPENSE	DETAIL	PROJECT	AMOUNT	GST
30305	608	507	46.50	

APPROVED	CODED	EXT. & ADDS.	CHEQUE No.
			79

SUB-TOTAL $ 46.50

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES

OTHER	SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 46.50

GINAL INVOICE

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO:

SUBMITTED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
22488	27-SEP-84	18105	10-SEP-84

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENT'S P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	08A507.S.GRID	ROCK

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1	SMALL FRY(PART OF 18077)	15536	

	QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	69	AU-PPB	2.10. 7. 0. 0. 0	7.00	483.00
2.	69	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99. 1. 0. 0. 0. 0	2.75	189.75

26 rock samples
@ 9.75
$ 253.50

SUB-TOTAL $ 672.75

MISC CHARGES

SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 672.75

ORI

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY 1-CDN 2-U.S.	I/L
XRAY ASSAY LTD	22488	1	

ACCOUNT CODE			AMOUNT	CR
GENERAL LEDGER	DETAIL	EXPLORATION PROJECTS		X
303 05	6108	5127	672.75	

APPROVED	CODED	EXT. & ADDITION	A/PAY

84-116

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

CE TO:

FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

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ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
22392	20-SEP-84	18053	6-SEP-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	0BA507		ROCK

...DS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
	CNX		

...NTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
13	AU, PPB	2, 10, 7, 0, 0, 0	7.00	91.00
5	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	11.00	55.00
18	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	49.50

SUB-TOTAL $ 195.50

...ISC. ...RGES	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
	OTHER			SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 195.50

GINAL INVOICE

XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

OICE TO:
FA BRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO:
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MITTED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTE
22066	24-AUG-84	17720	9-AUG-84

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

ITS P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	507-OBA		ROCK

F PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BOX	POST		

	QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	24	AU, PPB	2, 10, 7, 0, 0, 0	7.00	168.00
2.	21	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	11.25	236.25
3.	45	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	123.75
				SUB-TOTAL	$ 528.00

MINIMUM CHARGES

SURCHARGE RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 528.00

FALCONBR E LIMITED

RAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

LCONBRID LIMITED
TN: R. B. BAND
PORTAGE AVENUE, SUITE 100
NNIPEG, MANITOBA
K 0Y2

CUSTOMER NO. 228

LCONBRIDGE LIMITED
TN: R. B. BAND
74 PORTAGE AVENUE, SUITE 100
NNIPEG, MANITOBA
< 0Y2

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
21834	09-AUG-84	17547	25-JUL-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
507	ROCK

SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
POST		

DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
AU, PPB	2, 10, 7, 0, 0, 0	7.00	✓ 56.00
AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	11.25	✓ 225.00
ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	✓ 77.00

EXPENSE	DETAIL	PROJECT	AMOUNT	CR
30305	608	507	358 00	

APPROVED | CODED | EXT. & ADDS | CHEQUE No. 955

SUB-TOTAL $ 358.00

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES

OTHER | SURCHARGE - RUSH SERVICE

TOTAL $ 358.00

INVOICE

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X-RAY ASSAY LABORATORIES
LIMITED

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FALCONBRIDGE LIMITED
ATTN: R. B. BAND
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WINNIPEG, MANITOBA
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FALCONBRIDGE LIMITED
ATTN: R. B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO 228

INVOICE NO	INVOICE DATE	WORK ORDER NO	DATE SUBMITTED
21852	07-AUG-84	17496	20-JUL-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

THIS P.O. NO	CLIENT PROJECT NO		TYPE OF SAMPLES SUBMITTED
	OBA507		ROCK

NO. OF BAGS	SHIPPED VIA	WAY BILL NO	SHIPPED FROM
4 BAGS	POST		

	QUANTITY	DESCRIPTION-METHOD	PRAT CODE	UNIT PRICE	AMOUNT
1.	24	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	11.25	270.00
2.	24	AU	50, 10, 7, 0, 0, 0	7.50	180.00
3.	48	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	132.00

SUB-TOTAL $ 582.00

MINIMUM CHARGES

SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 582.00

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY 1 - CDN 2 - U.S.	

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

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WINNIPEG, MANITOBA
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3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20435	05-MAR-84	16190	1-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	PN 508, GERVAIS	SPLIT CORE

GS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
DX	PUROLATOR	C-8551976	

TITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
6	AU, 1 ASSAY TON	50,10, 7, 0, 0, 0	10.50	63.00
	50 % SURCHARGE, 48 HOUR RUSH SERVICE	50,10, 7,29, 0, 0	31.50	31.50
6	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	16.50
	50 % SURCHARGE, 48 HOUR RUSH SERVICE	99, 1,29, 0, 0, 0	8.25	8.25
			SUB-TOTAL	$ 79.50

	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
GES	OTHER			SURCHARGE - RUSH SERVICE 39.75	$ 39.75
				TOTAL IN CANADIAN FUNDS	$ 119.25

TURN THIS COPY WITH YOUR PAYMENT

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LIMITED

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WINNIPEG, MANITOBA
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ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 239

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20445	07-MAR-84	16224	5-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
S GERVAIS OPTION			SPLIT CORE

S	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
AGS	POST		

TITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
3	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	10.50	31.50
	50 % SURCHARGE, 48 HOUR RUSH SERVICE	50, 10, 7, 29, 0, 0	15.75	15.75
3	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	8.25
	50 % SURCHARGE, 48 HOUR RUSH SERVICE	99, 1, 29, 0, 0, 0	4.13	4.13
			SUB-TOTAL	$ 39.75

	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
			8.75		
ES	OTHER			SURCHARGE - RUSH SERVICE	$ 28.63
				19.88	

TURN THIS COPY WITH YOUR PAYMENT

TOTAL IN CANADIAN FUNDS $ 68.38

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

TO
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

D TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20562	16-MAR-84	16258	8-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
GERVAIS OPTION			SPLIT CORE

	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
S	POST		

	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
60	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	10.50	630.00 ✓
60	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	165.00 ✓
			SUB-TOTAL	$ 795.00

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES

OTHER	SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 795.00

NAL INVOICE

XRAL

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

ED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20572	19-MAR-84	16330	15-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
8, GERVAIS OPTION			SPLIT CORE

S	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
OS	CNX	213648374	

ITY.	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
18	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	10.50	189.00 ✓
	50 % SURCHARGE, 48 HOUR RUSH SERVICE	50, 10, 7, 29, 0, 0	94.50	94.50 ✓
18	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	49.50 ✓
	50 % SURCHARGE, 48 HOUR RUSH SERVICE	99, 1, 29, 0, 0, 0	24.75	24.75 ✓
			SUB-TOTAL	$ 238.50

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
				$ 119.25
GES OTHER			SURCHARGE - RUSH SERVICE 119.25	
			TOTAL IN CANADIAN FUNDS	$ 357.75

IGINAL INVOICE

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

E TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO:

SAMPLE

TED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20623	26-MAR-84	16290	12-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
08, GERVAIS OPTION			SPLIT CORE

GS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
AG	POST		

ITITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
11	AU, 1 ASSAY TON	50,10, 7, 0, 0, 0	10.50	115.50
11	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	30.25

1-2

C

145•750 +
291•500 +
437•250 *

EXPENSE	DETAIL	PROJECT	AMOUNT	GST
[redacted]	[redacted]	[redacted]	[redacted]	
70505	608	508	437.25	

APPROVED	CODED	EXT. & ADDS.	CHEQUE No.
[signature]	KB	KB	649

SUB-TOTAL $ 145.75

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES

OTHER	SURCHARGE RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 145.75

IGINAL INVOICE

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

TO
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

ED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20634	27-MAR-84	16285	12-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
8, GERVAIS OPTION			SPLIT CORE

	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
	POST (PART OF W016282)		

QTY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
33	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	10.50	346.50
33	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	90.75

29 samples (GO-3)

@ 13.25

$384.25

2-2

EXPENSE	DETAIL	PROJECT	AMOUNT

APPROVED	CODED	EXT. & ADDS.	CHEQUE No.

SUB-TOTAL $ 437.25

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES

OTHER	SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 437.25

FINAL INVOICE

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

ED TO:
FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
20654	28-MAR-84	16331	15-MAR-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

C. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
8, GERVAIS OPTION			SPLIT CORE

S	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
GS	CNX	213648374	

ITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
38	AU, 1 ASSAY TON	50, 10, 7, 0, 0, 0	10.50	399.00
38	SPLIT CORE, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	104.50

SUB-TOTAL $ 503.50

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES

ES OTHER	SURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS $ 503.50

GINAL INVOICE

Falconbridge Claims

X-RAY ASSAY LABORATORIES

LIMITED

1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4 • (416) 445-5755

November 29, 1984

Falconbridge Limited
3074 Portage Avenue
Suite 100
Winnipeg, Manitoba
R3K 0Y2

Gentlemen:

This is to certify that payment has been received in full for our invoices as follows:

Date	Invoice #	Amount
Oct. 12/84	22828	$ 986.05
Oct. 9/84	22624	5,607.40
Oct. 3/84	22577	768.20
Sept.24/84	22478	2,220.00
Sept. 6/84	22193	1,620.00
Sept. 6/84	21890	~~463.35~~ 2131.20

Yours truly,

X-Ray Assay Laboratories Limited

Grace Pun, CGA
Chief Accountant

GP/mc

X-RAY ASSAY LABORATORIES
LIMITED
1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4 • (416) 445-5755

November 29, 1984

Falconbridge Limited
3074 Portage Avenue
Suite 100
Winnipeg, Manitoba
R3K 0Y2

Gentlemen:

This is to certify that payment has been received in full for our invoices as follows:

Date	Invoice #	Amount
Nov. 8/84	22925	$633.75
Nov. 2/84	22885	663.50
Nov. 8/84	22938	763.00
Nov. 8/84	22937	516.75
Nov. 8/84	22926	119.00
Oct. 23/84	22762	867.75
Oct. 18/84	22723	742.50
Oct. 15/84	22679	794.75
Oct. 4/84	22587	451.35
Oct. 3/84	22568	454.55
Sept.27/84	22495	143.48
Sept.18/84	22363	295.00
Sept.20/84	22412	554.25
Sept.12/84	22262	8.75
Sept.13/84	22277	458.25
Aug. 29/84	22136	821.25
Aug. 23/84	22058	263.25
Aug. 14/84	21940	360.75
Jul. 20/84	21679	194.75
Jul. 27/84	21771	210.00

Yours truly,

X-Ray Assay Laboratories Limited

Grace Pun, CGA
Chief Accountant

GP/mc

X-RAY ASSAY LABORATORIES
LIMITED
1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4 • (416) 445-5755

November 29, 1984

Falconbridge Limited
3074 Portage Avenue
Suite 100
Winnipeg, Manitoba
R3K 0Y2

Gentlemen:

This is to certify that payment has been received in full for our invoices as follows:

Date	Invoice #	Amount
Nov. 8/84	22783	$ 46.50
Sept.27/84	22488	672.75
Sept.20/84	22392	195.50
Aug. 24/84	22066	528.00
Aug. 9/84	21884	358.00
Aug. 7/84	21852	582.00

Yours truly,

X-Ray Assay Laboratories Limited

Grace Pun, CGA
Chief Accountant

GP/mc

XRAL

X-RAY ASSAY LABORATORIES
LIMITED
1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4 • (416) 445-5755
TELEX 06-986947

January 30,1985

Falconbridge Limited
Attn: Liliane Berard
Suite 100-3074 Portage Ave.
Winnipeg, Manitoba
R3K 0Y2

Dear Madam:

This is to certify that payments have been received for the following invoices:-

20406	20572
20435	20623
20437	20634
20445	20654
20456	20663
20513	20740
20525	20761
20526	20765
20527	20800
20528	20814
20562	20848
20563	

Yours very truly,

X-Ray Assay Laboratories Limited

Judy Wong

Judy Wong
Accounts Receivable Department

RECEIVED
FEB-1 1985
Falconbridge Nickel Mines Ltd.

APPENDIX C

Rock Geochemistry - Distribution of Man Days

ROCK GEOCHEMISTRY

Total number of man hours: 91

Total number of man days: $\frac{91}{8}$ = 11.375 man days

Drafting, office: + 3 man days

Total man days: 14.375

Total technical days: 14.375 x 7 = 100.6

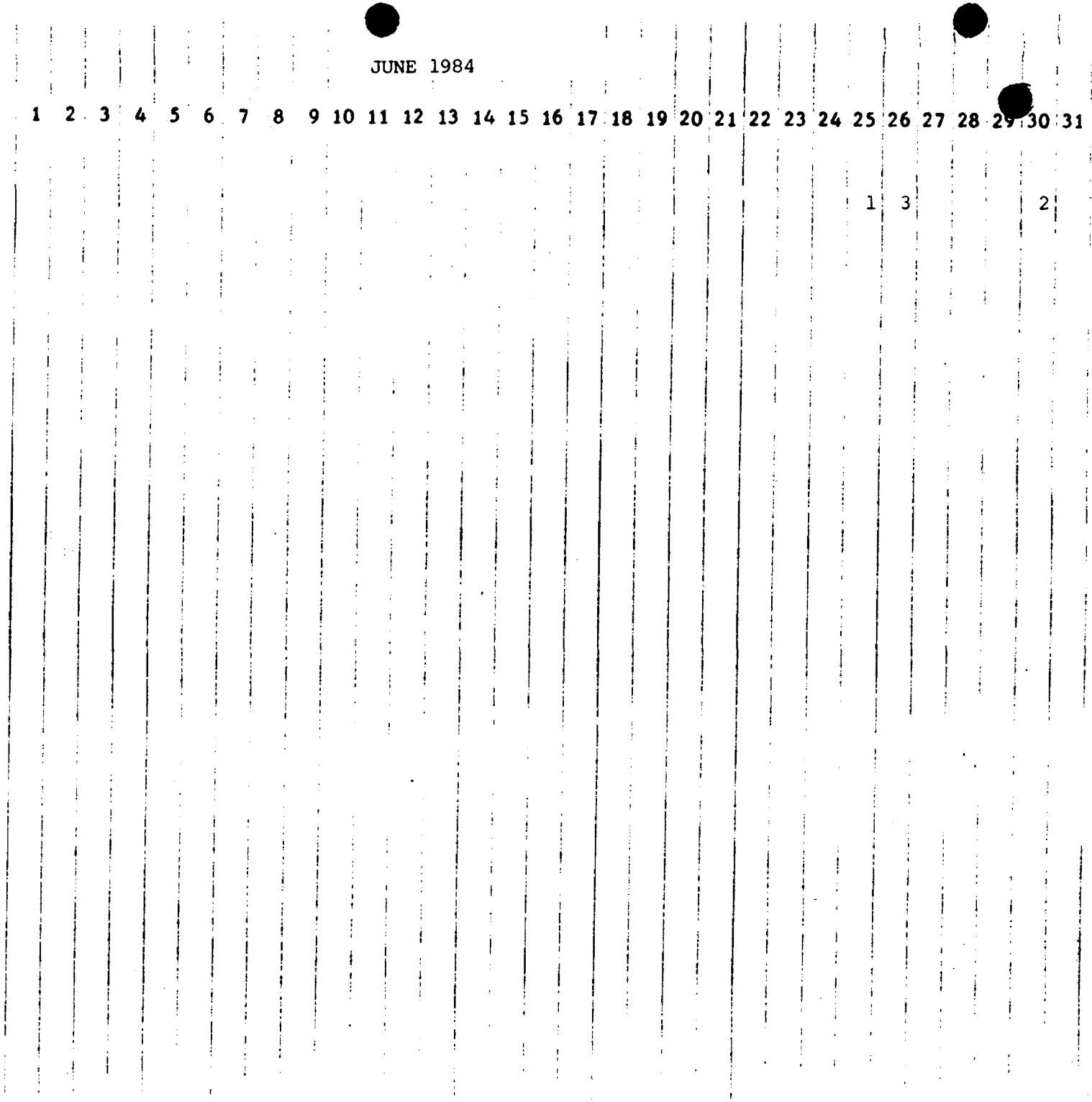
MAN HOUR DISTRIBUTION

Rock Geochemical

Survey

Dan Bosowec
718 Ross Avenue
Winnipeg, Manitoba
R3E 1C6

Bruce Miller
P.O.Box 236,
Little Current, Ontario
P0P 1C0



MAN HOUR DISTRIBUTION

Rock Geochemical Survey

JULY 1984

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Dan Bosowec 718 Ross Avenue Winnipeg, Manitoba R3E 1C6	4	1		2			5	5	6		4	3	2	3			3		6	2	2				1			4	4		3
Bruce Miller P.O.Box 236, Little Current, Ontario P0P 1C0	2						2	1						1	2		2											1			

MAN HOUR DISTRIBUTION

Rock Geochemical Survey

AUGUST 1984

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Dan Bosowec 718 Ross Avenue Winnipeg, Manitoba R3E 1C6												2	3	1	2	1			1												
Bruce Miller P.O.Box 236, Little Current, Ontario P0P 1C0											1	1	1									1									

FALCONBRIDGE LIMITED

OBA PROPERTY

HAWK AND NORTHEAST GRIDS

HAWKINS AND WALLS TOWNSHIPS, ONTARIO

NTS 42 B13, 42 C16, 42 G4

REPORT ON MAGNETIC SURVEY

A. James Walker, P. Eng.

September 29, 1984

LIST OF CONTENTS

ENCLOSURES

INTRODUCTION

At the request of Mr. R. B. Bond of Falconbridge Limited, Walker Exploration carried out additional magnetic surveys on parts of the large holdings of Falconbridge Limited in Walls and Hawkins Townships, near Oba, Ontario. In February 1984 magnetic surveys were made on the Gervais Option Grid and the Bremner Falconbridge Grid. The new surveys over the Hawk and Northeast Grids were tied to the same magnetic base level as the previous work. The surveys were made with EDA PPM 500 magnetometer, using an EDA PPM 400 base station magnetometer for diurnal control.

Field work was carried out during the period July 17 - July 26, 1984 and amounted to 31 kms on the Northeast Grid and 44 kms on the Hawk Grid.

SUMMARY

The magnetic survey over the Northeast Grid shows an area of complex magnetics, with some possible iron formation, and considerable faulting. The Hawk Grid magnetics show a more regular east-west pattern, but does have faulting, a possible fold, and a prominent north-south dyke.

PROPERTY

Falconbridge Limited have a large holding of mineral claims in Hawkins and Walls Township and is accessible by bush road from Hearst Ontario, about 60 kms to the north. The Hawk Grid is located on the boundary of Hawkins and Walls Township, near the south part of the Township. Access to the Hawk Grid was by helicopter from the Northeast Grid Camp.

PREVIOUS WORK

Gold was discovered on other claims of this large group in 1923 by Mr. George Taylor, with some mining being carried out from 1935 to 1945. Some ground geophysics has also been carried out on other parts of the property. It should be assumed that prospecting has been carried out over most of the area since gold was first discovered. Assessment records show only geochemical soil and humus tests were carried out on the claims covered by these grids, giving anomalous results in gold values.

GENERAL GEOLOGY

The large Oba property is underlain by three parallel east-west trending mafic metavolcanic belts, within which are narrow felsic tuffs, sills and minor clastic sediments. The volcanics are flanked by granite and granite gneiss complexes. Several younger north trending diabase dykes cut the volcanics.

SURVEY METHODS

The magnetic survey was performed with an EDA PPM 500 proton magnetometer, which measures to 0.1 gammas. Diurnal control was with an EDA PPM 400 base station magnetometer and recorder. Readings were taken along lines 100 meters apart at 12.5 meter intervals. Values and contours of valuesare plotted on separate sheets. The surveys were tied into the base station of the Gervais Grid surveyed last winter, so that all surveys would have the same magnetic base. Approximately 31 kms of lines on the Northeast Grid, and 44 kms on the Hawk Grid were surveyed.

SURVEY RESULTS

On the Northeast Grid, the contoured values show an area of complex magnetics. On the west, the area of high values likely represents iron formation in mafic volcanics. Considerable faulting is suggested by the magnetic pattern.

On the Hawk Grid, there is a more regular pattern of east-west trending magnetics, with long narrow bands of higher values. A prominent north-south structure of higher values near the west part of the grid is likely a diabase dyke. A fold structure is suggested at the south end of lines 45E to 50E. The magnetic pattern also suggests several north-south faults.

CONCLUSIONS

The magnetic survey of the Northeast Grid has shown an area of complex magnetics, indicating considerable faulting and possibly some iron formation. These results will have to be compared to geological mapping and soil sampling results. The complex magnetic pattern suggests a favourable environment for gold mineralization.

The Hawk Grid appears less complicated, with a general east-west trend, a cross cutting diabase dyke, and some north-south faulting. A possible fold structure is also indicated. Results should be compared to previous work, soil sampling, mapping, etc. and a full interpretation by a geophysicist is recommended.

Respectfully submitted,

REGISTERED PROFESSIONAL ENGINEER
A. J. WALKER
PROVINCE OF ONTARIO

AJW:sb

A. James Walker, P. Eng.

SURVEY DATA

Oba Property - Falconbridge Limited
Northeast Grid and Hawk Grid, Hawkins and Walls Townships, Ontario

Geophysical Contractor	-	Walker Exploration Ltd.	
Covering Dates	-	Linecutting	- June 20 - July 20, 1984
		Magnetic Survey	- July 17 - 26, 1984
		Data Preparation	- August 26 - 30, 1984
		Drafting	- September 19 - 26, 1984
		Report	- September 28 - 29, 1984
Line Coverage	-	Northeast Grid	31.05 kilometers
	-	Hawk Grid	43.86 kilometers

Crew

Magnetic Survey	-	James Tough, Bracebridge, Ontario
		Philip Miles, Proton Station, Ontario
		David Miles, Proton Station, Ontario
Drafting	-	R. T. Marcroft, Mississauga, Ontario
Report & Data	-	A. James Walker, Oakville, Ontario

Instruments

Magnetic Survey	EDA PPM 500, Proton, Total Field
	Reading to 0.1 Gammas, with solid state memory
	Base Station - EDA PPM 400
	Corrected value stored on cassette tape of HP 85 computer
	Readings at 12.5 meter stations

CERTIFICATE

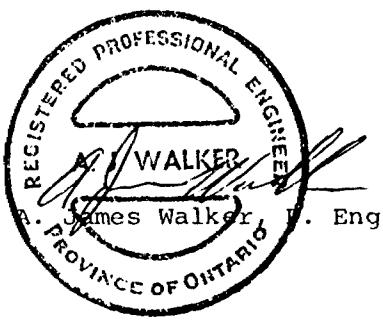
With respect to my report of September 29th, 1984 on the OBA Property of Falconbridge Limited, I, A. James Walker of 406 Canterbury Cres., Oakville, Ontario, do certify that:

1) I am a graduate of the Haileybury School of Mines (1947).

2) I am a Registered Professional Engineer in the Province of Ontario.

3) I have been continuously practising my profession since 1948, and am President of Walker Exploration Ltd., a survey contracting company.

4) I have no interest in the Claims covered by this report, nor do I expect to receive any interest, directly or indirectly.



September 29, 1984

A. James Walker, P. Eng.

Mining Lands Section

File No 2.7801

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

✓ GEOLOGICAL

✓ GEOCHEMICAL

✓ EXPENDITURE

MINING LANDS COMMENTS:

top L.S.

J. Hurst

Signature of Assessor

Date

1985 05 21

Your File: 33/85
Our File: 2.7801

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated April 26, 1985
Geophysical (Electromagnetic & Magnetometer)
Geological and Geochemical Survey and
Data for Assaying on Mining Claims P 658117,
et al, in Hawkins and Walls Township

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,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

S. Hurst:mc

cc: Falconbridge Ltd
Toronto, Ontario

cc: Ian R. Morrison
Timmins, Ontario

Encl.

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

cc: Resident Geologist
Timmins, Ontario

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.7801

Date 1985 04 26

Mining Recorder's Report of Work No. 33/85

Recorded Holder
FALCONBRIDGE LTD

Township or Area
WALLS AND HAWKINS TOWNSHIPS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 658117 to 119 inclusive 658131 to 143 inclusive 686903-04 686911-12-17-18-22-26-27-30-31-35-36-40-41 700126-29 700134 to 137 inclusive 700142-43-44-45-51 700412-15-21-22-27-28-39-43-97 700501 761009 to 020 inclusive 761041 to 056 inclusive 764324-25-27-28-30-31-34-35 802542 to 553 700442
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical 1.0 days	
Man days ☒ Airborne ☐	
Special provision ☐ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

P 686905-10-39
700125-27-28-30-33-50
700152-53
700413-14-16-20-23
700460-61-65-66-67-78-79-80-83-84-85-96-98
700500-02
764326-29-32-33-37-38-39
700462

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60.

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File: 2.7801

Date: 1985 02 21

Mining Recorder's Report of Work No.: 535/84

Recorded Holder: FALCONBRIDGE LTD

Township or Area: WALLS TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 658117-18-19 658133 to 138 inclusive 658141 to 143 inclusive 700442-43 802545 to 550 inclusive
Electromagnetic 20 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical 20 days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

15 DAYS ELECTROMAGNETIC
15 DAYS GEOCHEMICAL

P 802542-43-44-51-52-53

10 DAYS ELECTROMAGNETIC
10 DAYS GEOCHEMICAL

P 658131-32-39-40
700439

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7801

Date 1985 02 21

Mining Recorder's Report of Work No. 535/84

Recorded Holder: FALCONBRIDGE LTD

Township or Area: WALLS TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer 20 days	P 658117-18-19 658133 to 138 inclusive 658141 to 143 inclusive 700442-43 802542 to 549 inclusive 802551 to 553 inclusive
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

15 DAYS	10 DAYS	5 DAYS
P 802550	P 700439	P 658131

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☒ Insufficient technical data filed

P 658132-39-40

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7801

Date 1985 02 21

Mining Recorder's Report of Work No. 535/84

Recorded Holder: FALCONBRIDGE LTD

Township or Area: WALLS TOWNSHIP

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 40 days	P 658117-18-19 658131 to 143 inclusive 700442-43 802542 to 553 inclusive
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

10 DAYS

P 700439

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7801

Date 1985 02 21

Mining Recorder's Report of Work No. 537

Recorded Holder: FALCONBRIDGE LTD

Township or Area: WALLS TOWNSHIP

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 20 days	P 686922-35-36 764324-25-27-28-30-31
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

10 DAYS

P 764334-35

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey ☐ Insufficient technical data filed

P 764326-29-32-33-37-38-39

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File: 2.7801

Date: 1985 02 21

Mining Recorder's Report of Work No.: 538

Recorded Holder: FALCONBRIDGE LTD

Township or Area: HAWKINS, WALLS TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 16 days	P 761009 to 020 inclusive 761041 to 056 inclusive
Magnetometer 16 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 32 days	
Geochemical 16 days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7801

Date 1985 02 21

Mining Recorder's Report of Work No. 536/84

Recorded Holder
FALCONBRIDGE LTD

Township or Area
HAWKINS, WALLS TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	$15,715.60 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:
Electromagnetic _____ days	P 686903-04-11-12-17-18-22-26-27-30-31-35-36-40-41
Magnetometer _____ days	700126-29-34-35-36-37-42-43-44-45-51
Radiometric _____ days	700412-15-21-22-27-28-97
Induced polarization _____ days	700501
Other _____ days	764324-25-27-28-30-31-34-35
Section 77 (19) See "Mining Claims Assessed" column	658131 to 143 inclusive
Geological _____ days	700439-42-43
Geochemical _____ days	802542 to 553 inclusive
	761009-10
Man days ☐ Airborne ☐	761012 to 120 inclusive
Special provision ☐ Ground ☐	761041 to 156 inclusive
☐ Credits have been reduced because of partial coverage of claims.	1047.7 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980.
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

626 (83/6)

Ministry of Natural Resources

Ontario

AMENDED May 13/85

1985 04 26

Your File: 33/85
Our File: 2.7801

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

S. Hurst:mc

Encls.

cc: Falconbridge Ltd
P.O. Box 40
Commerce Court West
Toronto, Ontario
M5L 1B4

cc: I.R. Morrison
167 Wilson Avenue
Timmins, Ontario
P4N 2T2

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

845

Ministry of Natural Resources

Ontario

AMENDED

Notice of Intent

for Technical Reports

1985 04 26

2.7801/33/85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

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

2.1801
#033/85

Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
Rock Geochemistry	Walls and Hawkins Twp.

Claim Holder(s)	Prospector's Licence No.
Falconbridge Ltd.,	A-21647

Address: P.O. Box 40, Commerce Court W., Toronto, Ontario M5L 1B4

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Falconbridge	23 06 84 (Day Mo. Yr.) 22 08 84 (Day Mo. Yr.)	existing grid

Name and Address of Author (of Geo-Technical report): I. R. Morrison 167 Wilson Ave. Timmins, Ontario P4N 2T2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
For each additional survey: using the same grid	- Magnetometer	
Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	.7

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
MAR 15 1985
MINING LANDS SECTION

RECORDED
1 FEB 6
Receipt No.

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Feb 6 1985

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = 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.

Date: Feb 6 1985 Recorded Holder or Agent (Signature): I. R. Morrison

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	658117	
	658118	
	658119	
	658131	
	658132	
	658133	
	658134	
	658135	
	658136	
	658137	
	658138	
	658139	
	658140	
	658141	
	658142	
	658143	
	686903	
	686904	
	686905	
	686910	
	686911	
	686912	
	686917	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	686918	
	686922	
	686926	
	686927	
	686930	
	686931	
	686935	
	686936	
	686939	
	686940	
	686941	
	700125	
	700126	
	700127	
	700128	
	700129	
	700130	
	700133	
	700134	
	700135	
	700136	
	700137	
	700142	

Total number of mining claims covered by this report of work: 140

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
98.0	Feb 6/85	
	Date Approved as Recorded	Branch Director
	Re Revised Statement	

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: I. R. Morrison, 167 Wilson Ave., Timmins, Ontario P4N 2T2

Date Certified	Certified by (Signature)
Feb 6 1985	I. R. Morrison

1362 (81/9)

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey	Technical Days		Technical Days Credits	Line-cutting Days		Total Credits		No. of Claims		Days per Claim
Rock Geochemistry	14.4	X 7 =	100.8	+	=	100.8	÷	140	=	.7
		X 7 =		+	=		÷		=	
		X 7 =		+	=		÷		=	
		X 7 =		+	=		÷		=	

Ministry of
Natural
Resources
Ontario

may 1
April 22/85

1985 04 16

Your File: 33/85
Our File: 2.7801

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

J. S. Hurst:mc

Encls.

cc: Falconbridge Ltd
P.O. Box 40
Commerce Court West
Toronto, Ontario
M5L 1B4

cc: I.R. Morrison
167 Wilson Avenue
Timmins, Ontario
P4N 2T2

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 04 16

2.7801/33/85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7801

Date 1985 04 16

Mining Recorder's Report of Work No. 33/85

Recorded Holder
FALCONBRIDGE LTD

Township or Area
WALLS AND HAWKINS TOWNSHIPS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 658117 to 119 inclusive 658131 to 143 inclusive 686903-04 686911-12-17-18-22-26-27-30-31-35-36-40-41 700126-29 700134 to 137 inclusive 700142-43-44-45-51 700412-15-21-22-27-28-39-43-97 700501 761009 to 020 inclusive 761041 to 056 inclusive 764324-25-27-28-30-31-34-35 802542 to 553
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical 1.0 days	
Man days ☒ Airborne ☐	
Special provision ☐ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

P 686905-10-39
700125-27-28-30-33-50
700152-53
700413-14-16-20-23
700460-61-65-66-67-78-79-80-83-84-85-96-98
700500-02
764326-29-32-33-37-38-39

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60.

Addendum to Report of Work filed by Falconbridge Ltd. covering a rock geochemical survey in Walls and Hawkins Twp.

Additional claims traversed

P - 700143	700442	761009	761049	764337
700144	700443	761010	761050	764338
700145	700460	761011	761051	764339
700150	700461	761012	761052	802542
	700462	761013	761053	802543
700151	700465	761014	761054	802544
700152	700466	761015	761055	802545
700153	700467	761016	761056	802546
700412	700478	761017	764324	802547
700413	700479	761018	764325	802548
700414	700480	761019	764326	802549
700415	700483	761020	764327	802550
700416	700484	761041	764328	802551
700420	700485	761042	764329	802552
700421	700496	761043	764330	802553
700422	700497	761044	764331	
700423	700498	761045	764332	
700427	700500	761046	764333	
700428	700501	761047	764334	
700439	700502	761048	764335	

1985 03 15

Your Files: 537,538,
535/84,536/84
Our File: 2.7801

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated February 21, 1985
Geophysical (Electromagnetic & Magnetometer)
Geological and Geochemical Survey and Data
for Assaying on Mining Claims P 658117, et. al.,
in Hawkins and Walls Township

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,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

S. Hurst:mc

cc: Falconbridge Ltd
P.O. Box 40
Commerce Court West
Toronto, Ontario
M5L 1B4

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

cc: Ian R. Morrison
167 Wilson Avenue
Timmins, Ontario
P4N 2T2

cc: Resident Geologist
Timmins, Ontario

Encl.

Ministry of
Natural
Resources

Ontario

March 8/85

1985 02 21

Your Files:537,538,
535/84,536/84
Our File: 2.7801

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

S. Hurst:mc

Encls.

cc: Falconbridge Ltd
P.O. Box 40
Commerce Court West
Toronto, Ontario
M5L 1B4

cc: Ian R. Morrison
167 Wilson Avenue
Timmins, Ontario
P4N 2T2

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 02 21

2.7801/537,538/535/84/536/84

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

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

#537/84

2.7801

Mining Act

Feb. 11

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
GEOCHEMISTRY	WALLS TWP

Claim Holder(s)	Prospector's Licence No.
FALCONBRIDGE LTD.	A - 21647

Address: P.O. BOX 40, Commerce Court West, TORONTO, Ontario M5L 1B4

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
FALCONBRIDGE LTD.	Day 23 Mo. 08 Yr. 84 / Day 04 Mo. 09 Yr. 84	existing grid

Name and Address of Author (of Geo-Technical report)
I. R. Morrison, 167 Wilson Ave., Timmins, Ontario P4N 2T2

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical humus	20
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	686922				
	686935				
	686936				
	764324				
	764325				
	764326				
	764327				
	764328				
	764329				
	764330				
	764331				
	764332				
	764333				
	764334				
	764335				
	764337				
	764338				
	764339				

RECEIVED
DEC 19 1984
MINING LANDS SECTION

RECORDED
DEC 13 1984
Receipt No.

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

RECEIVED
DEC 13 1984
TIMMINS, ONTARIO
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.
PORCUPINE MINING DIVISION

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = 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: 18

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
360	Dec. 13/84	
	Date Approved as Recorded	Branch Director / Mining Recorder
	See Revised Statement	

Date	Recorded Holder or Agent (Signature)
10/12/84	

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
I. R. Morrison, 167 Wilson Ave., Timmins, Ontario P4N 2T2

Date Certified	Certified by (Signature)
10/12/84	

1362 (81/9)

Ministry of Natural Resources
Ontario

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

#536/84
2.7801
Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): EXPENDITURES	Township or Area: HAWKINS, WALLS
Claim Holder(s): FALCONBRIDGE LTD.	Prospector's Licence No.: A - 21647
Address: P. O. BOX 40, COMMERCE COURT WEST, TORONTO, ONT M5L 1B4	
Survey Company: FALCONBRIDGE LTD.	Date of Survey (from & to): 21 06 84 (Day Mo. Yr.) – 4 09 84 (Day Mo. Yr.)
Name and Address of Author (of Geo-Technical report): I.R. MORRISON, 167 WILSON AVENUE, TIMMINS, ONT. P4N 2T2	Total Miles of line Cut: 70.05 km

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

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MINING LANDS SECTION

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Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	597999	18.6
	598000	18.6
	658006	18.6
	658007	18.6
	658008	18.6
	658009	18.6
	658101	18.6
	658102	18.6
	658103	18.6
	658104	18.6
	658105	18.6
	658106	18.6
	658107	18.6
	658108	18.6
	658109	18.6
	658110	18.6
	658111	18.6
	658112	18.6
	658113	18.6
	658114	18.6
	658115	18.6
	658116	18.6
	658120	20.0

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	658121	18.6
	658122	18.6
	658123	18.6
	658124	18.6
	658125	18.6
	658126	18.6
	658127	20.0
	658128	18.6
	658129	18.6
	658130	18.6
	758681	18.6
	758682	18.6
	758683	18.6
	758684	18.6
	758685	18.6
	758686	18.6
	758687	18.6
	758688	18.6
	758689	18.6
	758690	18.6
	758691	18.6
	758692	18.6
	758693	11.7

continued on Schedule 'A'

Total number of mining claims covered by this report of work: 57

Expenditures (excludes power stripping)

Type of Work Performed: Analytical (Section 77-19)

Performed on Claim(s): see Schedule 'C'

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$ 15715.6	÷	15	=	1047.7

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.

For Office Use Only		
Total Days Cr. Recorded: 1047.7	Date Recorded: Dec. 13/84	Mining Recorder:
	Date Approved as Recorded: See Revised Statement	Branch Director: Mining Recorder

Date: 10 Dec 84
Recorded Holder or Agent (Signature):

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: I.R. MORRISON, 167 WILSON AVENUE, TIMMINS, ONT. P4N 2T2

Date Certified: 10 Dec 84
Certified by (Signature):

SCHEDULE 'A'

CLAIM	EXPENDITURE DAYS CREDIT
P - 758694	18.6
758695	18.6
758696	18.6
758697	18.6
758698	18.6
758699	18.6
758700	18.6
758701	18.6
758702	18.6
758703	18.6
761001	10.2

SCHEDULE 'C'

Work performed on the following claims:

P - 686903	P - 700461	P - 700442
686904	700462	700443
686905	700465	802542
686910	700466	802543
686911	700467	802544
686912	700478	802545
686917	700479	802546
686918	700480	802547
686922	700483	802548
686926	700484	802549
686927	700485	802550
686930	700496	802551
686931	700497	802552
686935	700498	802553
686936	700500	761009
686939	700501	761010
686940	700502	761012
686941	764324	761013
700125	764325	761014
700126	764326	761015
700127	764327	761016
700128	764328	761017
700129	764329	761018
700130	764330	761019
700133	764331	761020
700134	764332	761041
700135	764333	761042
700136	764334	761043
700137	764335	761044
700142	764337	761045
700143	764338	761046
700144	764339	761047
700145	658117	761048
700150	658118	761049
700151	658119	761050
700152	658131	761051
700153	658132	761052
700412	658133	761053
700413	658134	761054
700414	658135	761055
700415	658136	761056
700416	658137	761011
700420	658138	
700421	658139	
700422	658140	
700423	658141	
700427	658142	
700428	658143	
700460	700439	

Ministry of Natural Resources
Ontario

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

#538/84 2780

Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Notice Amended Copy

Type of Survey(s)	Township or Area
VLF-EM, MAGNETOMETER, GEOCHEMISTRY, GEOLOGY	HAWKINS, WALLS TWP

Claim Holder(s)	Prospector's Licence No.
FALCONBRIDGE LTD.	A - 21647

Address: P.O. BOX 40, COMMERCE COURT WEST, TORONTO, ONTARIO M5L 1B4

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
FALCONBRIDGE LTD AND WALKER GEOPHYSICS	21 07 84 (Day Mo. Yr.) 30 08 84 (Day Mo. Yr.)	44.85 km

Name and Address of Author (of Geo-Technical report)
IAN R. MORRISON, !¢& WILSON AVE., TIMMINS, ONTARIO P4N 2T2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	20
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
Amended Sept 6/85	Geological 40	~~20~~
	Geochemical 20 humus	~~40~~

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

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Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

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A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.
MINING LANDS SECTION

Type of Work Performed	
Performed on Claim(s)	

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$	÷	15	=	

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	761009	~~38.6~~
	761010	~~38.6~~
	761011	~~38.6~~
	761012	~~38.6~~
	761013	~~38.6~~
	761014	~~38.6~~
	761015	~~38.6~~
	761016	~~38.6~~
	761017	
	761018	
	761019	
	761020	
	761041	~~38.6~~
	761042	~~38.6~~
	761043	~~38.6~~
	761044	~~38.6~~
	761045	~~38.6~~
	761046	~~38.6~~
	761047	~~38.6~~
	761048	~~38.6~~
	761049	~~38.6~~
	761050	~~38.6~~
	761051	~~38.6~~

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	761052	~~38.6~~
	761053	~~38.6~~
	761054	~~38.6~~
	761055	~~38.6~~
	761056	~~38.6~~

RECORDED
DEC 13 1984
Receipt No.

Total number of mining claims covered by this report of work. 28

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Total Days Cr. Recorded	Date Recorded	Mining Recorder
2766.4	Dec. 13/84	
	Date Approved as Recorded	Branch Director / Mining Recorder
	Dec Revised	

Date	Recorded Holder or Agent (Signature)
10/12/84	

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
Ian R. Morrison, 167 Wilson Ave., Timmins, Ontario P4N 2T2

Date Certified	Certified by (Signature)
10/12/84	

1362 (81/9)

Ministry of Natural Resources
Ontario

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

535/84

Submitted

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Notice: Amended Copy — Mining Act — 2.7801

Type of Survey(s)	Township or Area
VLF-EM, MAGNETOMETER, GEOCHEMISTRY, GEOLOGY	WALLS TWP

Claim Holder(s)	Prospector's Licence No.
FALCONBRIDGE LTD.	A - 21647

Address: P.O.BOX 40, COMMERCE COURT WEST, TORONTO, ONTARIO M5L 1B4

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
FALCONBRIDGE LTD AND WALKER GEOPHYSICS	21 Day 06 Mo. 84 Yr. 26 Day 07 Mo. 84 Yr.	25.2 km

Name and Address of Author (of Geo-Technical report): Ian R. Morrison, 167 Wilson Ave., Timmins, Ontario P4N 2T2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	20
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
Amended Ref 6/85	Geological 40 ~~20~~	
	Geochemical 20 humus ~~40~~	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

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MINING LANDS SECTION

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PORCUPINE MINING DIVISION
DEC 13 1984
A.M. P.M.

Expenditures (exclude power stripping)

Type of Work Performed	
Performed on Claim(s)	

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$	÷	15	=	

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.

Date	Recorded Holder or Agent (Signature)
10/12/84	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	658117	~~38.6~~ Geochemical
	658118	
	658119	~~38.6~~ Geochemical
	658131	~~38.6~~
	658132	~~38.6~~
	658133	~~38.6~~
	658134	~~38.6~~
	658135	~~38.6~~
	658136	~~38.6~~
	658137	~~38.6~~
	658138	~~38.6~~
	658139	~~38.6~~
	658140	~~38.6~~
	658141	~~38.6~~
	658142	~~38.6~~
	658143	~~38.6~~
	700439	~~38.6~~
	700442	~~38.6~~
	700443	~~38.6~~
	802542	
	802543	
	802544	
	802545	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
B	802546	
	802547	
	802548	
	802549	
	802550	
	802551	
	802552	
	802553	

RECORDED
DEC 13 1984
Receipt No.

Total number of mining claims covered by this report of work: 31

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
3074.8	Dec. 13/84	
	Date Approved as Recorded	Branch Director
	As Revised	Statement

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: Ian R. Morrison, 167 Wilson Ave., Timmins, Ontario P4N2T2

Date Certified	Certified by (Signature)
10/12/84	

1362 (81/9)

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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) Geology, VLF-EM, Humus and Rock Geochemistry

Township or Area Hawkins and Walls Twps.

Claim Holder(s) Falconbridge Ltd.

Survey Company Falconbridge Ltd

Author of Report I. R. Morrison

Address of Author 167 Wilson Ave., Timmins, Ontario P4N 2T2

Covering Dates of Survey June 18, 1984 to Feb. 6, 1985 (linecutting to office)

Total Miles of Line Cut 70.05 km

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	20
–Magnetometer	
–Radiometric	
–Other	
Geological	40
Rock/Humus Geochemical	20.7

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____ (enter days per claim)

DATE: Feb. 6, 85 SIGNATURE: R R Morrison
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

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FEB 12 1985
MINING LANDS SECTION

MINING CLAIMS TRAVERSED
List numerically

If space insufficient, attach list

(prefix)	(number)
P-658117	P-686918
658118	686922
658119	686926
658131	686927
658132	686930
658133	686931
658134	686935
658135	686936
658136	686939
658137	686940
658138	686941
658139	700125
658140	700126
658141	700127
658142	700128
658143	700129
686903	700130
686904	700133
686905	700134
686910	700135
686911	700136
686912	700137
TOTAL CLAIMS	140
686917	700142

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 3607 Number of Readings 3607

Station interval ~~25 meters~~ Line spacing 100 meters

Profile scale 1 cm = 10°

Contour interval

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument Phoenix VLF-2

Coil configuration

Coil separation

Accuracy Dip angle: +/- 0.5°; Field strength: 5%

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency Cutler, Maine (17.8 KHz) Seattle Washington (18.6 KHz)
(specify V.L.F. station)

Parameters measured Dip Angles, Field Strength

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

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 _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken as "Claims Traversed"

Total Number of Samples Rock: 197/Humus: 1687

Type of Sample Rock and Humus
(Nature of Material)

Average Sample Weight Rock: 1 kg./Humus: 100 g.

Method of Collection Hammer and Trowel

Soil Horizon Sampled Ah

Horizon Development variable

Sample Depth Humus: 1 to 15 cm

Terrain variable

Drainage Development variable

Estimated Range of Overburden Thickness 0 - 50 m

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis

General

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☒
and g/t

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others Au (Mo)

Field Analysis (____ tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (____ tests)

Extraction Method

Analytical Method

Reagents Used

Commercial Laboratory (1884 tests)

Name of Laboratory Xray Assay Laboratories

Extraction Method Rock: Fire Assay Direct

Analytical Method Couple Plasma/ Humus: Neutron Activatic

Reagents Used Rock: Aqua Regia

General

Additional claims traversed

P - 700143	700442	761009	761049	764337
700144	700443	761010	761050	764338
700145	700460	761011	761051	764339
700150	700461	761012	761052	802542
	700462	761013	761053	802543
700151	700465	761014	761054	802544
700152	700466	761015	761055	802545
700153	700467	761016	761056	802546
700412	700478	761017	764324	802547
700413	700479	761018	764325	802548
700414	700480	761019	764326	802549
700415	700483	761020	764327	802550
700416	700484	761041	764328	802551
700420	700485	761042	764329	802552
700421	700496	761043	764330	802553
700422	700497	761044	764331	
700423	700498	761045	764332	
700427	700500	761046	764333	
700428	700501	761047	764334	
700439	700502	761048	764335	

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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.

NORTHEAST GRID

Type of Survey(s) Magnetometer

Township or Area Walls

Claim Holder(s) Falconbridge Limited

Survey Company Walker Exploration Ltd.

Author of Report A. James Walker

Address of Author 406 Canterbury Cr., Oakville, Ontario

Covering Dates of Survey _____

Total Miles of Line Cut 31.05 kms. (linecutting to office)

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical

–Electromagnetic _____

–Magnetometer 40

–Radiometric _____

–Other _____

Geological _____

Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Oct. 18/84 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
658117	802549
658118	802550
658119	
658133	800551
658134	800552
658135	800553
658136	
658137	
658138	
658141	
658142	
658143	
700442	
700443	
802542	
802543	
802544	
802545	
802546	
802547	
802548	

TOTAL CLAIMS 27

If space insufficient, attach list

OFFICE USE ONLY

837 (5/79)

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

Number of Stations 1787 Number of Readings 3544

Station interval 25 meters, (12.5 meter readings) Line spacing 100 meters

Profile scale

Contour interval 100 gammas

MAGNETIC

Instrument EDA PPM 500 Proton

Accuracy -- Scale constant 0.1 gammas

Diurnal correction method Continuous recording base station mag EDA PPM 400

Base Station check-in interval (hours) 20 seconds

Base Station location and value Camp base - just south of Grid

60196 gammas

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency

(specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION

RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters -- On time Frequency

-- Off time Range

-- Delay time

-- Integration time

Power

Electrode array

Electrode spacing

Type of electrode

File _____

Ontario

Ministry of Natural Resources

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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.

HAWK GRID

Type of Survey(s) Magnetometer

Township or Area Hawkins and Walls

Claim Holder(s) Falconbridge Limited

Survey Company Walker Exploration Ltd.

Author of Report A. James Walker

Address of Author 406 Canterbury Cr., Oakville, Ontario

Covering Dates of Survey June 20 - Sept. 29, 1984
(linecutting to office)

Total Miles of Line Cut 43.86 kms (27.25 Miles)

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical
–Electromagnetic _____
–Magnetometer 40
–Radiometric _____
–Other _____
Geological _____
Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Oct. 18, 1984 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
761009	761045
761010	761046
761011	761047
761012	761048
761013	761049
761014	761050
761015	761051
761016	761052
761017	761053
761018	761054
761019	761055
761020	761056

If space insufficient, attach list

TOTAL CLAIMS 24

OFFICE USE ONLY

837 (5/79)

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

Number of Stations 1266 Number of Readings 2508

Station interval 25 meters, readings 12.5 meters Line spacing 100 meters

Profile scale

Contour interval 25 gammas

MAGNETIC

Instrument EDA PPM 500 Proton

Accuracy – Scale constant 0.1 gammas

Diurnal correction method Base Station Recorder EDA PPM 400

Base Station check-in interval (hours) 20 seconds

Base Station location and value Camp Base - just east of Grid on bush road.

60093 gammas

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency

(specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

#535

	M	EM	GL	GC
658117	✓	✓	✓	✓
18	✓	✓	✓	✓
19	✓	✓	✓	✓
658131	3/4	1/2	✓	1/2
32	NS 1/2	1/2	✓	1/2
33	✓	✓	✓	✓
34	✓	✓	✓	✓
35	✓	✓	✓	✓
36	✓	✓	✓	✓
37	✓	✓	✓	✓
38	✓	✓	✓	✓
39	NS ~~3/4~~ 1/2	1/2	✓	1/2
40	NS. 1/2	1/2	✓	1/2
41	✓	✓	✓	✓
42	✓	✓	✓	✓
43	✓	✓	✓	✓
700439	1/2	1/2	1/2	1/2
x 42	~~1/2~~	✓	✓	✓
43	~~1/2~~	✓	✓	✓
8025 44	✓	1/4	✓	1/4
45	✓	✓	✓	✓
46	✓	✓	✓	✓
47	✓	✓	✓	✓
48	✓	✓	✓	✓
49	✓	✓	✓	✓
50	1/4	✓	✓	✓
51	~~1/2~~	1/4	✓	1/4
52	~~1/2~~	1/4	✓	1/4
53	✓	1/4	✓	1/4
42	✓	1/4	✓	1/4
43	✓	1/4	✓	1/4

#537

	GC.
686932	✓
35	✓
36	✓
764324	✓
25	✓
26	
27	✓
28	✓
29	
30	✓
31	✓
32	
33	
34	1/2
35	1/2
37	
38	
39	

28×40 = 1120

1120 ÷ 34.75 = 32

#538

2·780 m

	M	EM	GL	GC
761009	1/2	1/2	1/2	1/2
10	✓	✓	✓	✓
11	✓	✓	✓	✓
12	1/2	1/2	1/2	~~1/2~~
13	1/2	1/2	1/2	1/2
14	✓	✓	✓	✓
15	✓	✓	✓	✓
16	1/2	1/2	1/2	1/2
17	1/2	1/2	1/2	1/2
18	✓	✓	✓	✓
19	✓	✓	✓	✓
20	1/2	1/2	1/2	1/2
41	1/2	1/2	1/2	1/2
42	1/2	1/2	1/2	1/2
43	1/2	1/2	1/2	1/2
44	1/2	1/2	1/2	1/2
45	1/2	1/2	1/2	1/2
46	✓	✓	✓	✓
47	✓	✓	✓	✓
48	✓	✓	✓	✓
49	1/2	1/2	1/2	1/2
50	✓	✓	✓	✓
51	✓	✓	✓	✓
52	✓	✓	✓	✓
23	1/2	1/2	1/2	1/2
54	✓	✓	✓	✓
55	✓	✓	✓	✓
56	1/4	1/4	1/4	1/4
6.75	##			

28×20 = 560

560 ÷ ~~34.75~~ = ~~16~~ 16.1

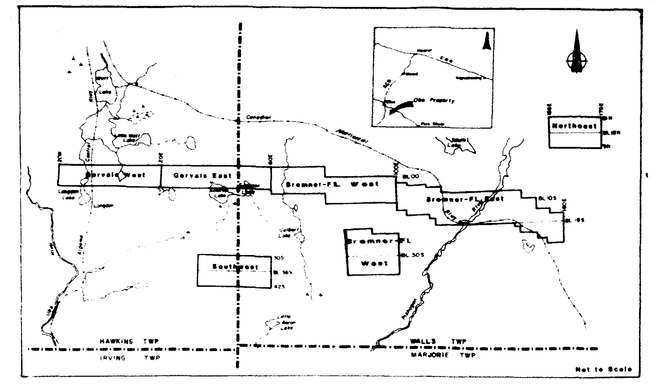
= ~~16~~

#5360

686903	✓			700145	✓			700501	✓		
4	✓			50				2			
5				51	✓			764324	✓		
10				52				25	✓		
11	✓			53				26			
12	✓			700412	✓			27	✓		
17	✓			13				28	✓		
18	✓			14				29			
22	✓			15	✓			30	✓		
26	✓			16				31	✓		
27	✓			20				32			
30	✓			21	✓			33			
31	✓			22	✓			34	✓		
35	✓			23				35	✓		
36	✓			27	✓			37			
39				28	✓			38			
40	✓			60				39	✓		
41	✓			61				658117			
700125				62				18			
126	✓			65				19			
27				66				131	✓		
28				67				32	✓		
29	✓			78				33	✓		
30				79				34	✓		
33				80				35	✓		
34	✓			83				36	✓		
35	✓			84				37	✓		
36	✓			85				38	✓		
37	✓			96				39	✓		
42	✓			97	✓			40	✓		
43	✓			98				41	✓		
44	✓			700500				42	✓		

#5360

658143	✓			761041	✓								
700439	✓			42	✓								
442	✓			43	✓								
443	✓			44	✓								
802542	✓			45	✓								
43	✓			46	✓								
44	✓			47	✓								
45	✓			48	✓								
46	✓			49	✓								
47	✓			50	✓								
48	✓			51	✓								
49	✓			52	✓								
50	✓			53	✓								
51	✓			54	✓								
52	✓			55	✓								
53	✓			56	✓								
761009	✓			761041									
10	✓												
12	✓												
13	✓												
14	✓												
15	✓												
16	✓												
17	✓												
18	✓												
19	✓												
20	✓												



155+00E 156+00E 157+00E 158+00E 159+00E 160+00E 161+00E 162+00E 163+00E 164+00E 165+00E 166+00E 167+00E 168+00E 169+00E 170+00E 171+00E 172+00E 173+00E 174+00E 175+00E

TL 21+00N

BL 15+00N

TL 9+00N

Oba/NE 7
a
b

Oba/NE 1
a
b

SYMBOLS

- Humus Sample Location/Number 1983
- Humus Sample Location/Number 1984
- Humus Sample Au Value (ppb)
- SM Sample Missed
- Grid Line
- Trails
- Intermittent Stream with direction
- Swamp
- Claim Boundary
- Claim Post (located, assumed)

2.7801

PN 506

FALCONBRIDGE LIMITED

OBA PROPERTY
NORTHEAST GRID
HUMUS SAMPLE LOCATION PLAN
HUMUS GEOCHEMISTY

0 100 200 300 400 500m
1:5000

DATE September 27, 1984
NTS REF
DRAWN VCM
CHKD. G. Miller, G. Harry

200

See SouthEast Grid

L 30S

L58E
L59E
L 60E

BASE LINE 00

TL 6S

TL 4N

60E
61E
62E
63E
64E
65E
66E
67E
68E
69E

TL 7S

TL 3N

70E
71E
72E
73E
74E
75E
76E
77E
78E
79E

TL 8S

OPEN GROUND

BASE LINE 10S

80E
81E
82E
83E
84E
85E
86E
87E
88E
89E
90E
91E
92E
93E
94E
95E
96E
97E
98E
99E
100E
101E
102E
103E
104E
105E
106E
107E
108E
109E
110E
111E

TL 22S

BASE LINE 30S

TL 37S

TL 3S

TL 15S

TL 5S

TL 6S

TL 16S

BL 10S

BASE LINE 00

Scale 1:2500

— SYMBOLS —
Grid Line
Roads, Trails
RailRoad
Lake/River and Shoreline
Intermitent Stream
Claim Boundary
Claim Post

FH x 7010 Humus Sample Location/Number
4x Humus Sample Au Value (ppb)

FALCONBRIDGE LIMITED

PM 80A 507

OBA PROPERTY - WALLS TOWNSHIP
BREMNER-FALCONBRIDGE GRID
WEST SHEET
Humus Sample Location Plan
HUMUS GEOCHEMISTRY

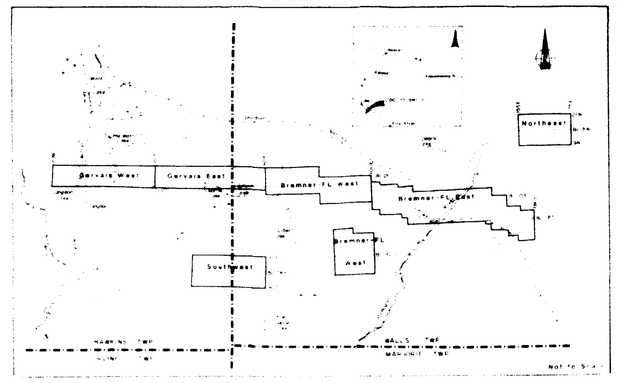
0 200 300 400 600 800 1000 Feet
0 50 100 150 200 250 300 Metres

DATE September 24, 1984
DRN KGF
CHK
SCALE 1:2500

2.7801

Feb. 6, 1985

Oba Property



Oba/SW 7
a
b

Oba/SW 1
a
e

TL 30+00S

BL 36+00S

TL 42+00S

Lake

L32E L33E L34E L35E L36E L37E L38E L39E L40E L41E L42E L43E L44E L45E L46E L47E L48E L49E L50E L51E L52E L53E L54E L55E L56E L57E L58E L59E L60E

HAWKINS TWP / WALLS TWP

— SYMBOLS —

Grid Line

Lake/Shoreline and Stream

Swamp

Claim Post (located, assumed)

Claim Boundary

2.7801

Feb. 4, 1985

PN 506

FALCONBRIDGE LIMITED

OBA PROPERTY

SOUTHWEST GRID

HUMUS SAMPLE LOCATION PLAN

HUMUS GEOCHEMISTRY

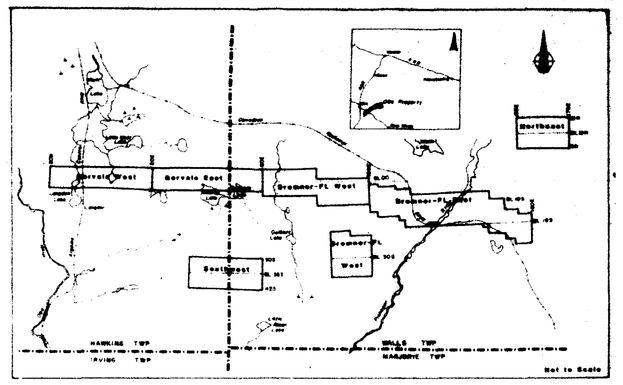
0 100 200 300 400 500M

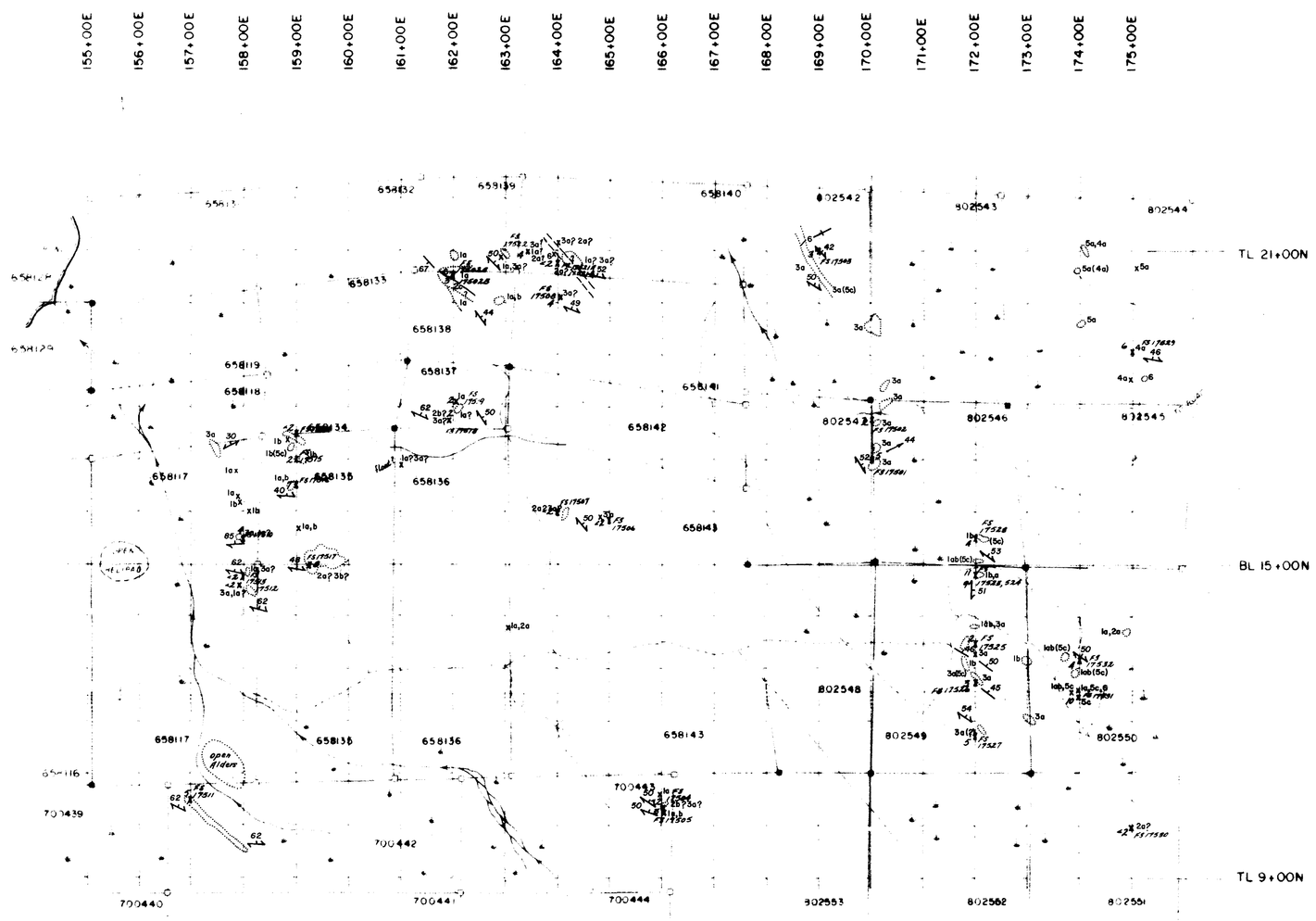
1:5000

DATE October 2, 1984	DRAWN VCH
NTS 41P/	DATA B. Miller / B. Harry

X 8020 Humus Sample Location/Number

3 x Humus Sample Au Value (ppb)





—— LEGEND ——

1 MAFIC METAVOLCANICS
- 1d Hornfels Amphibolite
- 1c Gabbroic Amphibolite
- 1b Massive Amphibolite
- 1a Layered Amphibolite

2 INTERMEDIATE - FELSIC METAVOLCANICS
- 2c Massive Felsic Volcanics
- 2b Volcanogenic Sediments
- 2a Felsic Tuffs

3 METASEDIMENTS
- 3b Argillite
- 3a Arenites

4 GNEISSIC COMPLEX
- 4c Granodiorite Gneiss
- 4b Foliated Granitoid Rocks
- 4a Quartz Feldspar Biotite Gneiss

5 FELSIC INTRUSIVES
- 5c Pegmatite
- 5b Aplite
- 5a Massive Granite

6 DIABASE

75 / x17530 Rock Sample Location/Number

3x Rock Sample Au Values (ppb)

—— SYMBOLS ——

- Grid Line
- Trails
- Intermittent Stream with direction
- Swamp
- Claim Boundary
- Claim Post (located, assumed)
- Outcrops
- Foliation, dip indicated
- Bedding, dip indicated
- Lineation, plunge indicated

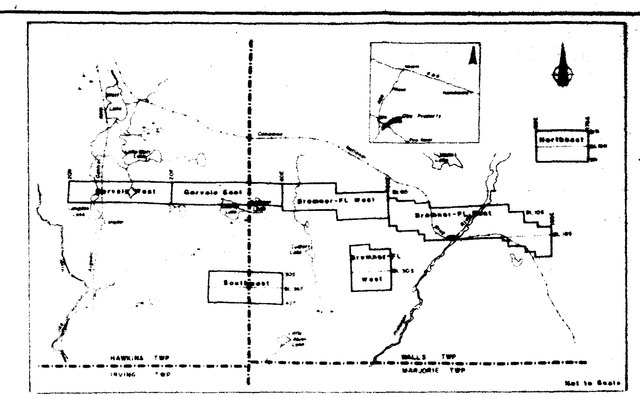
J.7801

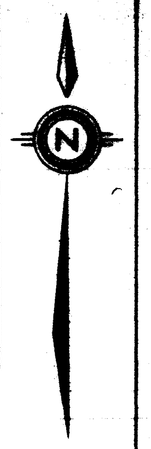
Feb. 4, 1985

PN 506

FALCONBRIDGE LIMITED

OBA PROPERTY
NORTHEAST GRID
ROCK SAMPLE LOCATION PLAN
ROCK GEOCHEMISTY
GEOLOGY





Oba/SW 7
a
b

Oba/SW 6
a
b

Oba/SW 1
a
b

TL 30+00S

BL 36+00S

TL 42+00S

L32E L33E L34E L35E L36E L37E L38E L39E L40E L41E L42E L43E L44E L45E L46E L47E L48E L49E L50E L5E L52E L53E L54E L55E L56E L57E L58E L59E L60E

HAWKINS — TWP
WALLS — TWP

—LEGEND—

1 MAFIC METAVOLCANICS
- 1d Hornfels Amphibolite
- 1c Gabbroic Amphibolite
- 1b Massive Amphibolite
- 1a Layered Amphibolite

2 INTERMEDIATE—FELSIC METAVOLCANICS
- 2c Massive Felsic Volcanics
- 2b Volcanogenic Sediments
- 2a Felsic Tuffs

3 METASEDIMENTS
- 3b Argillite
- 3a Arenites

4 GNEISSIC COMPLEX
- 4c Granodiorite Gneiss
- 4b Foliated Granitoid Rocks
- 4a Quartz Feldspar Biotite Gneiss

5 FELSIC INTRUSIVES
- 5c Pegmatite
- 5b Aplite
- 5a Massive Granite

6 DIABASE

—SYMBOLS—

- Outcrops
- Foliation, dip indicated
- Bedding, dip indicated
- Lineation, plunge indicated
- Grid Line
- Lake / Shoreline and Stream
- Swamp
- Claim Post (located, assumed)
- Claim Boundary

2.7801

Feb. 6, 1985
PM 905

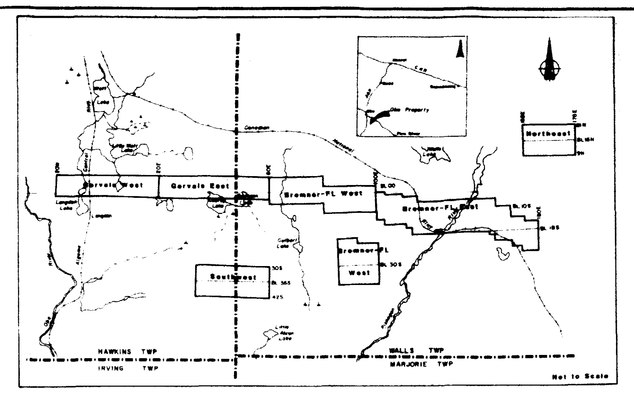
FALCONBRIDGE LIMITED

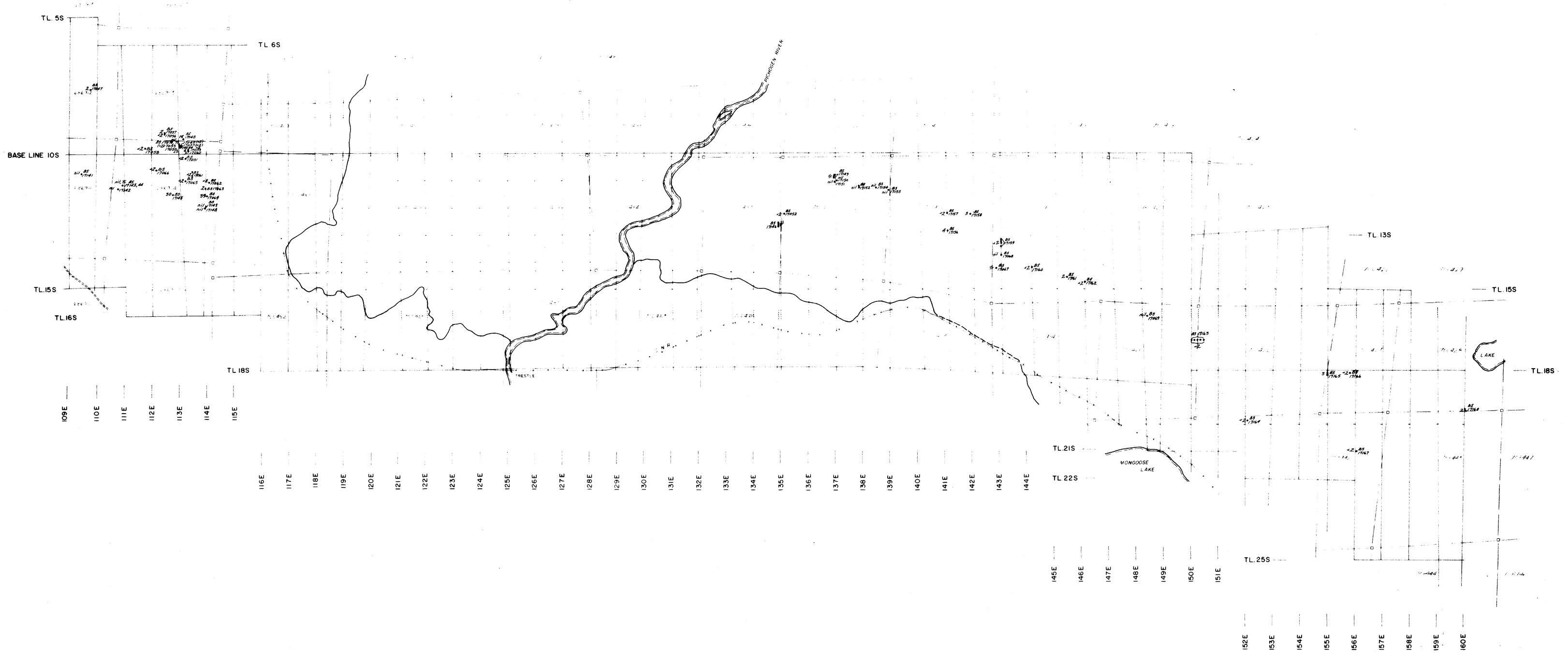
OBA PROPERTY
SOUTHWEST GRID
ROCK SAMPLE LOCATION PLAN
ROCK GEOCHEMISTRY
GEOLOGY

0 100 200 300 400 500 600 700 800 900 1000 1100 1200

October 9, 1984

240





Bremner "E" 7
a
b

Bremner "E" 1
a
b
c

*7167 Rock Sample Location/Number
3. Rock Sample Au Value (ppb)

— SYMBOLS —
Grid Line
Roads, Trails
RailRoad
Lake/River and Shoreline
Intermittent Stream
Claim Boundary
Claim Post

2.7801

Feb. 6, 1985

PN5508.907

FALCONBRIDGE LIMITED

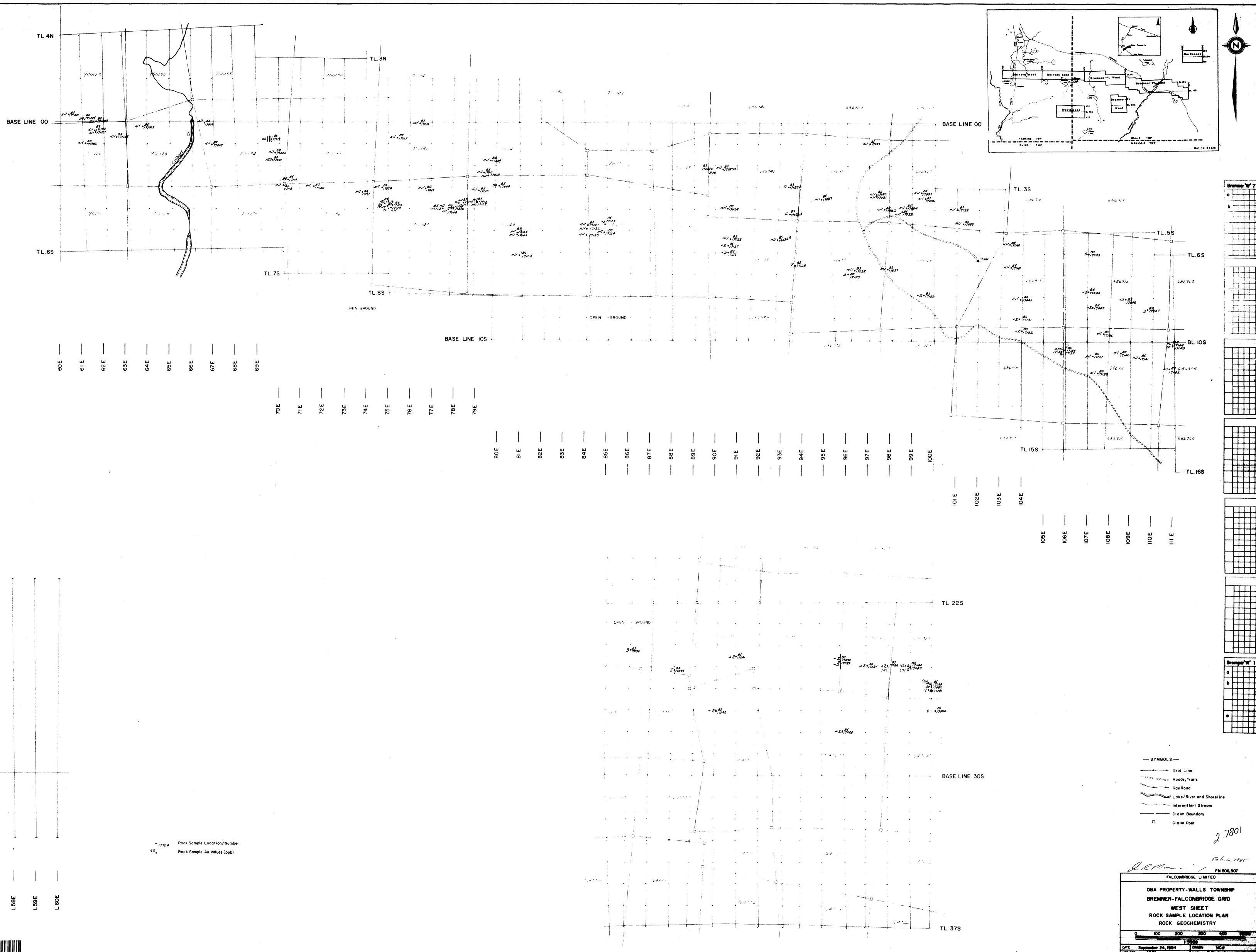
OBA PROPERTY-WALLS TOWNSHIP
BREMNER-FALCONBRIDGE GRID
EAST SHEET
ROCK SAMPLE LOCATION PLAN
ROCK GEOCHEMISTRY

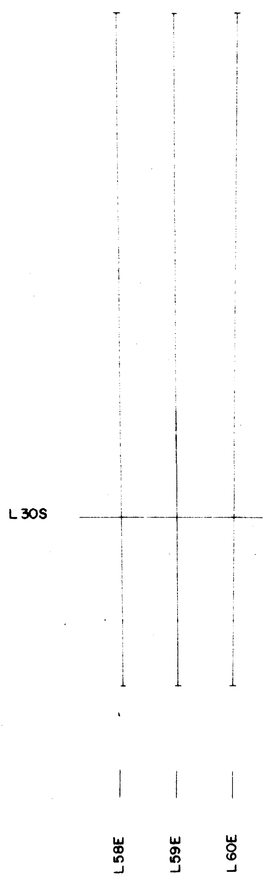
0 100 200 400 600 800
1:

DATE September 1984
GRID MAP 4 of 4

42G14NW0015 2.7801 WALLS

250





* 17104 Rock Sample Location/Number

40 ppb Rock Sample Au Values (ppb)

— SYMBOLS —

- Grid Line
- Roads, Trails
- RailRoad
- Lake/River and Shoreline
- Intermittent Stream
- Claim Boundary
- Claim Post

2.7801

Feb. 6, 1985

PN 506,507

FALCONBRIDGE LIMITED

OBA PROPERTY - WALLS TOWNSHIP

BREMNER-FALCONBRIDGE GRID

WEST SHEET

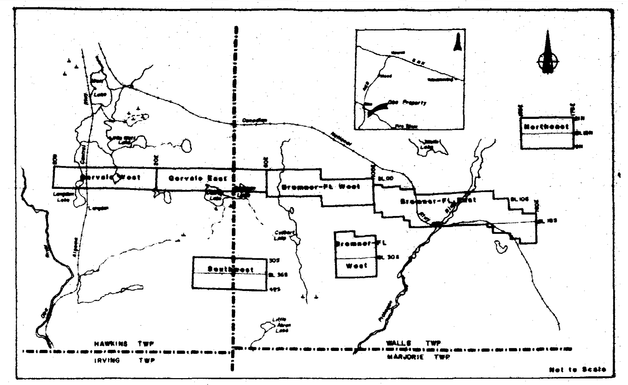
ROCK SAMPLE LOCATION PLAN

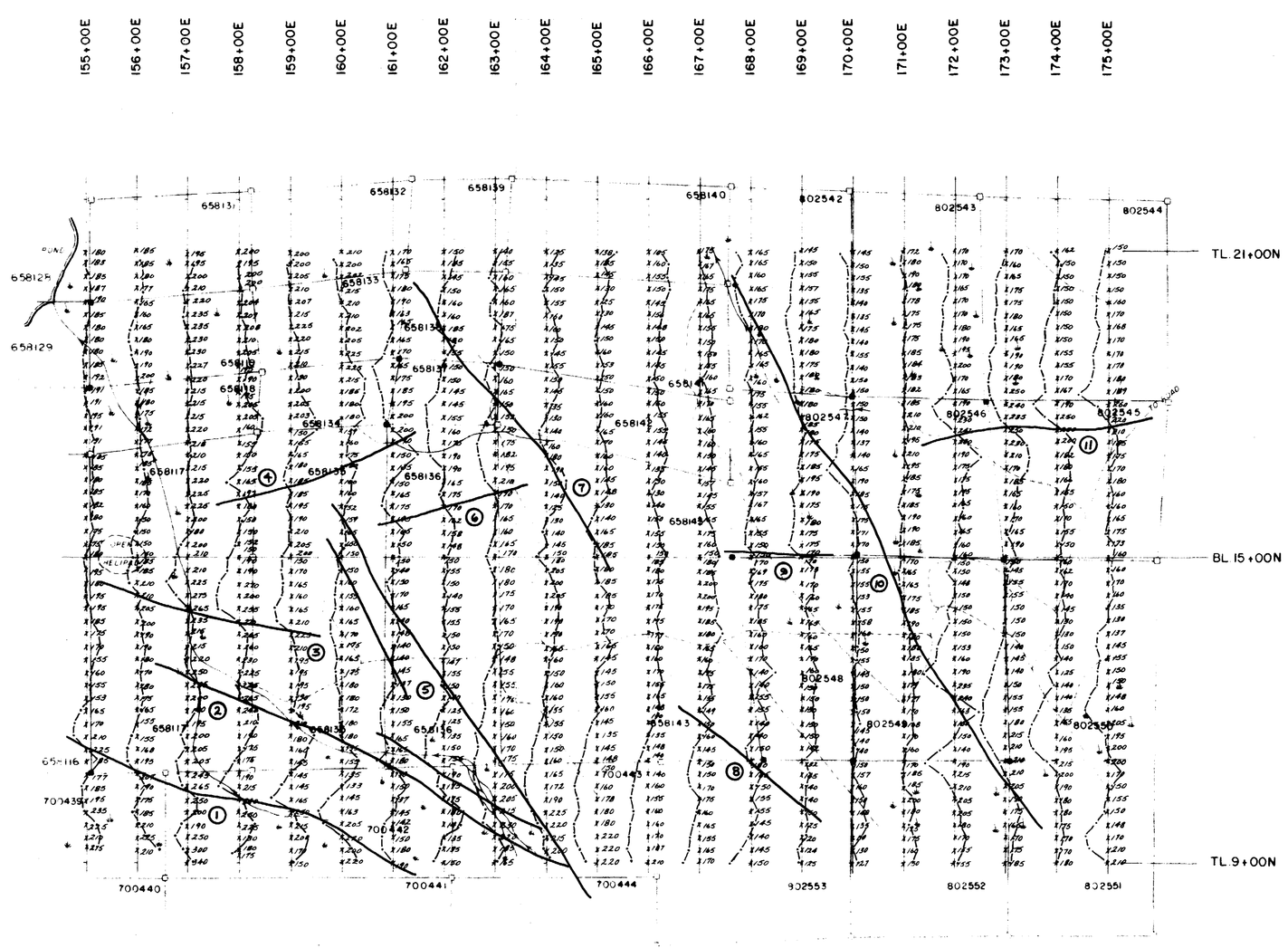
ROCK GEOCHEMISTRY

0 100 200 300 400 500

1:2000

DATE September 24, 1984	Drawn VCW
NTS REF 42F/1	Chkd R. Sutherland





Instrument: Phoenix VLF-2 L105

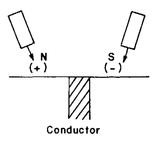
Transmitter Station: Cutler, Maine; U.S.A.

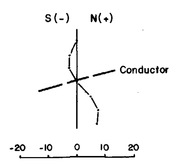
Frequency: 24.8 KH$_z$

Personnel: B.Miller

Survey Date: June 26,1984 - July 17,1984

FACING WEST





— SYMBOLS —

- Grid Line
- Trails
- Intermittent Stream with direction
- Swamp
- Claim Boundary
- ■ □ Claim Post (located, assumed)

2.7801

Feb. 6, 1985

PN 506

FALCONBRIDGE LIMITED

OBA PROPERTY

NORTHEAST GRID

VLF HORIZONTAL FIELD STRENGTH(N-S)

VLF DIP ANGLE PROFILES(N-S)

0 100 200 300 400 500ms

1:5000

DATE September 27, 1984	Drawn VCH
NTS REF	Sect. B. Miller / B.Harry

Obe/ME 2

b 4

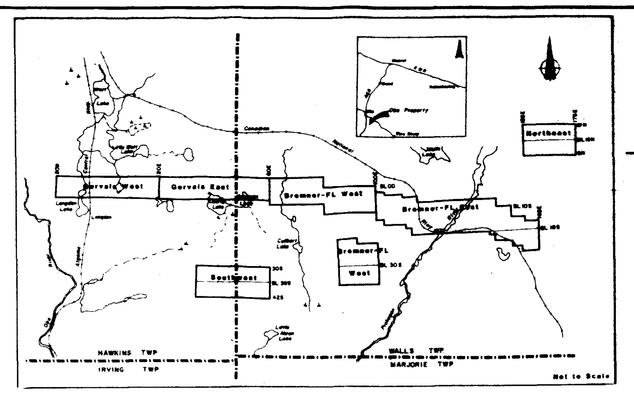
Obe/ME 1

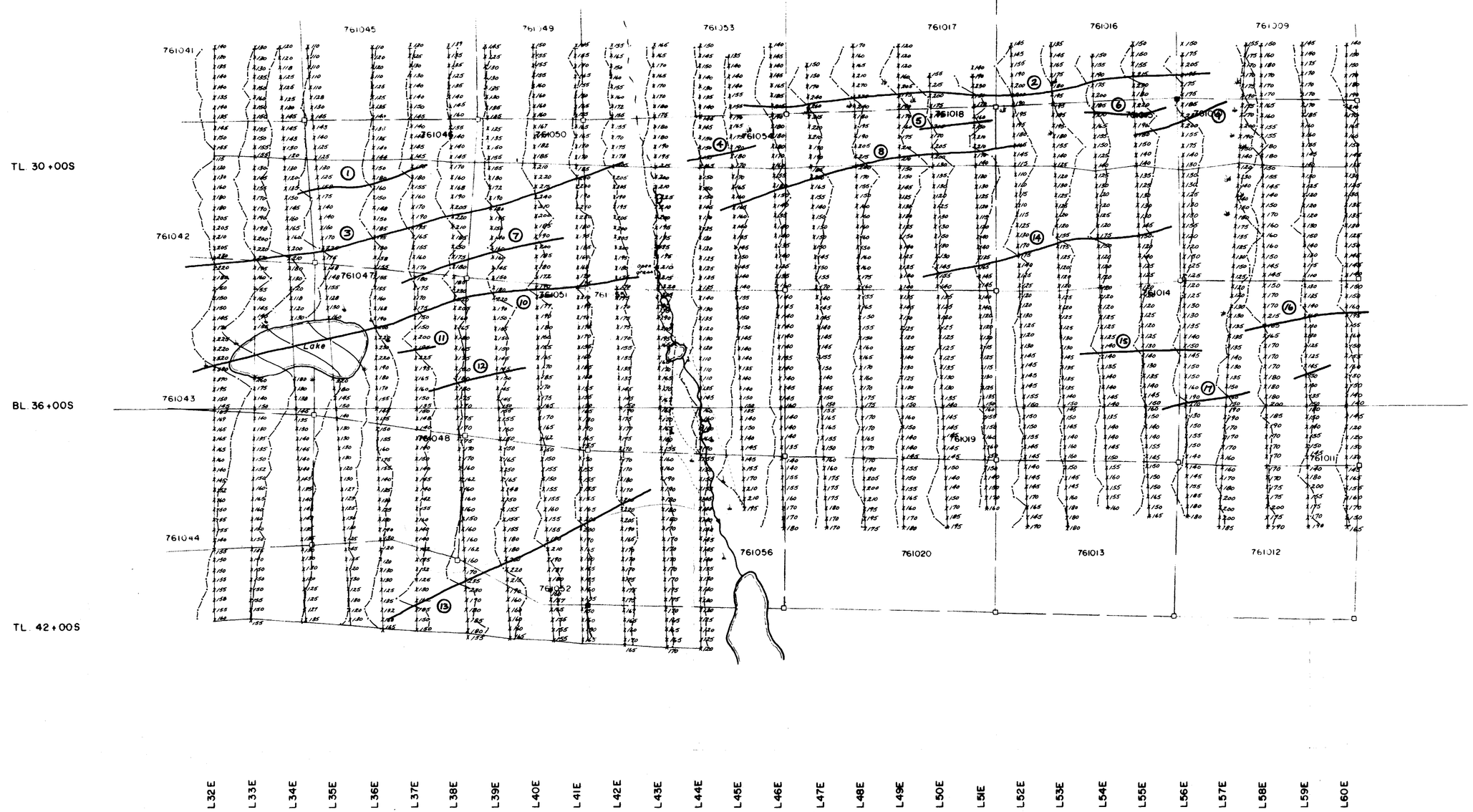
a

b

e

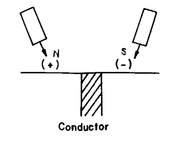
270

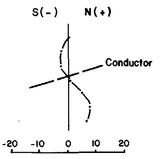




Instrument: Phoenix VLF-2 L1053
Transmitter Station: Seattle Wash, U.S.A.
Frequency: 24.8 KHz
Personnel: B. Miller
Survey Date: Aug 9, 1984 - Aug 27, 1984

FACING WEST





—SYMBOLS—

- Grid Line
- Lake/Shoreline and Stream
- Swamp
- Claim Post (located, assumed)
- Claim Boundary

2.7801

Feb. 6, 1985

PN 506

FALCONBRIDGE LIMITED

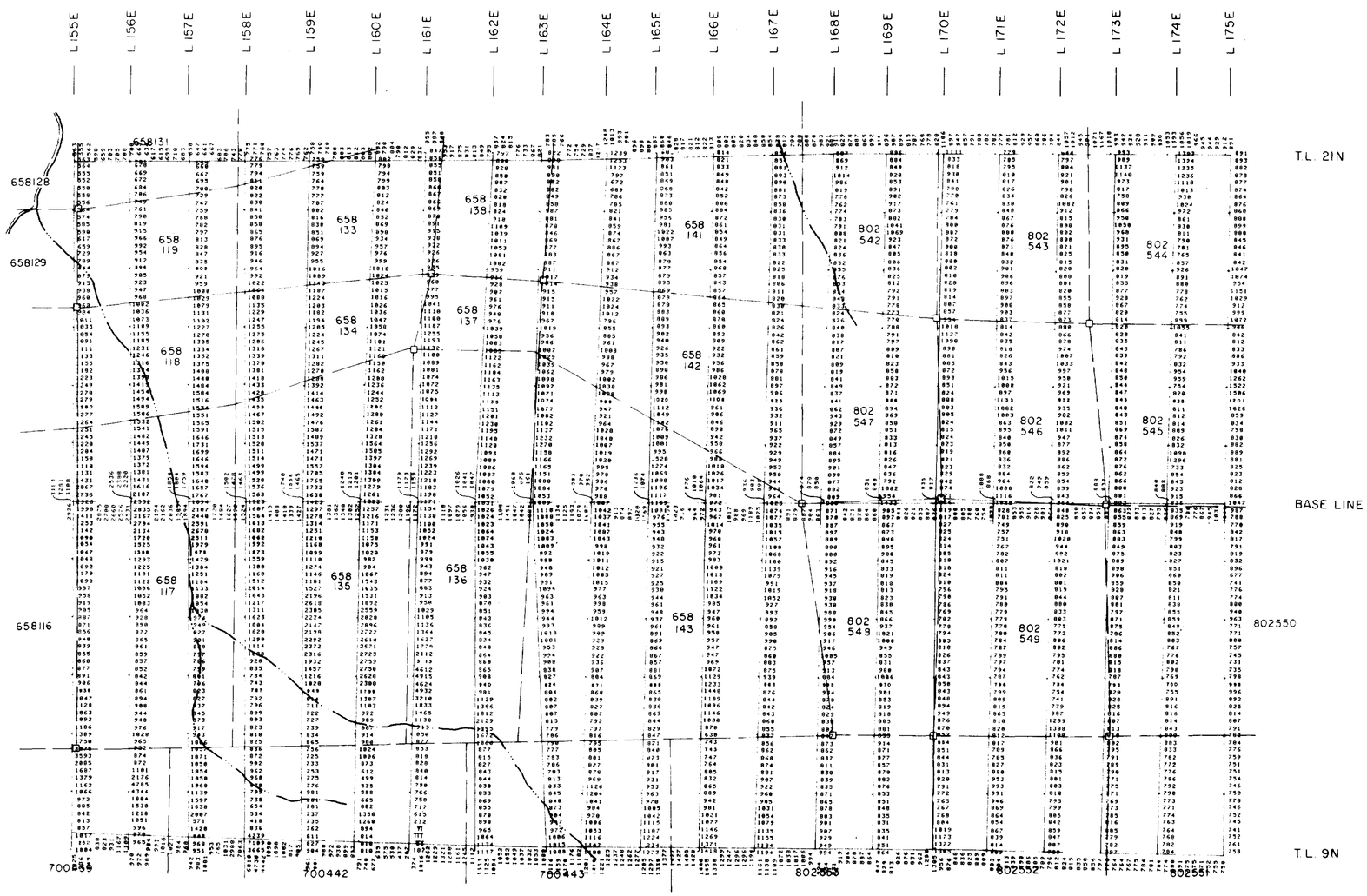
OBA PROPERTY
SOUTHWEST GRID
VLF HORIZONTAL FIELD STRENGTH (N-S)
VLF DIP ANGLE PROFILE (N-S)

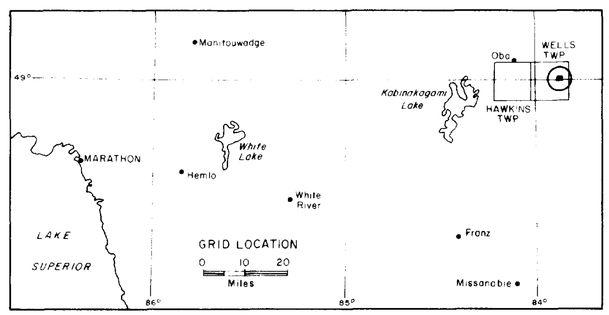
0 100 200 300 400 500m
1:5000

DATE October 2, 1984
NTS REF

Oba/SW 2
Oba/SW 1

280





Survey by:
WALKER EXPLORATION LTD.
Geophysical Contractors
Mississauga, Ontario
August, 1984

LEGEND

Grid line with 100m stations
Located claim post □
Claim line
Instrument..... EDA PPM-300
Base station..... EDA PPM-400
Values above base level of... 59,000 gammas

A. J. WALKER
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

27801

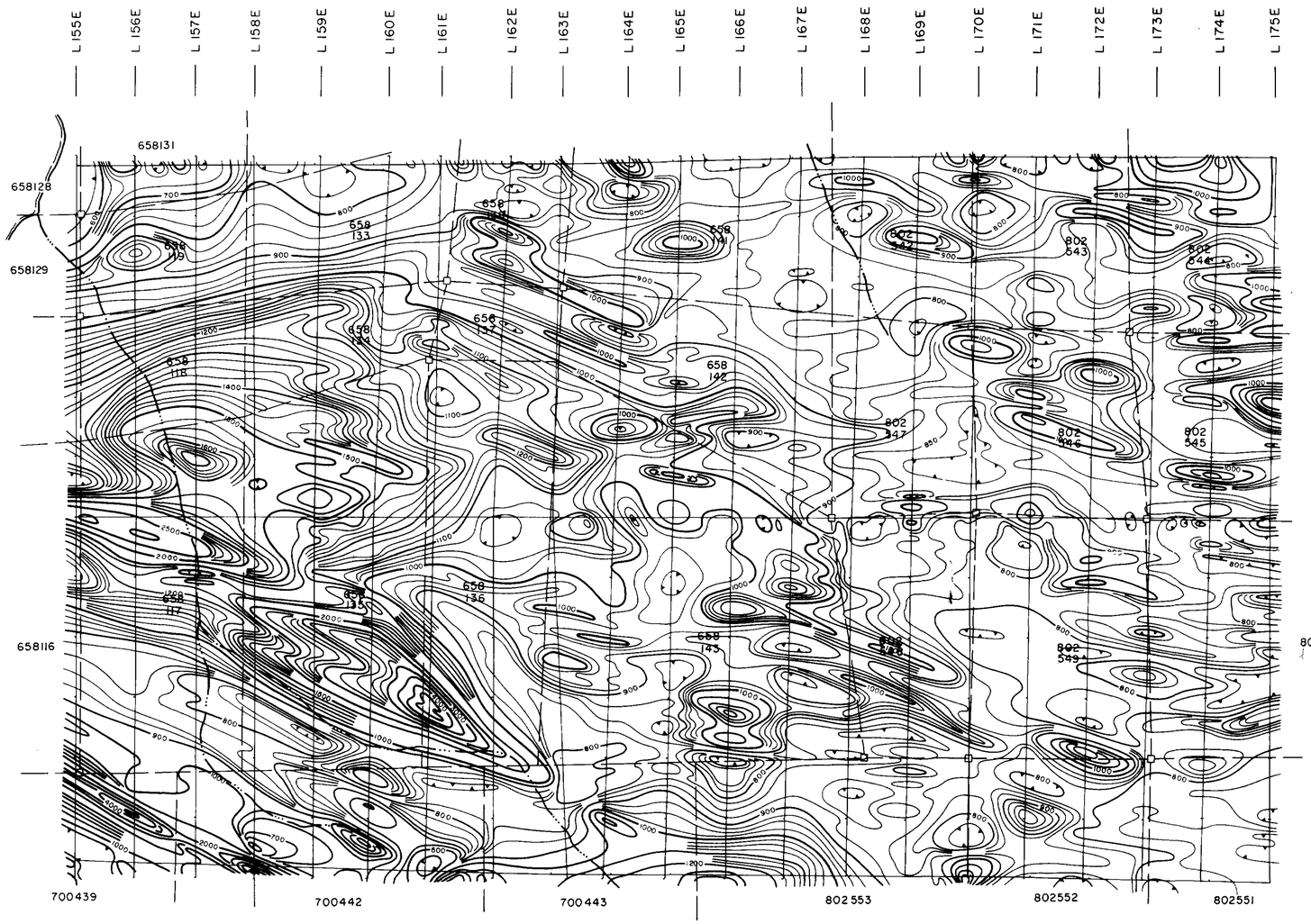
FALCONBRIDGE LIMITED

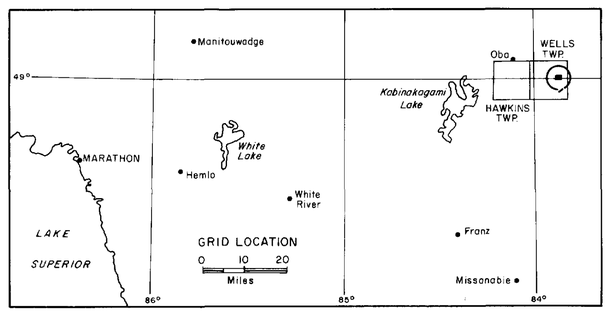
NORTHEAST GRID
Walls Township
Thunder Bay M.D., Ontario

Magnetometer Survey
TOTAL FIELD VALUES

Scale 1:5000
0 100m 200m 300m 400m 500m

DATE	AUGUST 1984	DRAWN:	R.T.M.
N.T.S. REF:	42G-4	DATA:	





Survey by:
WALKER EXPLORATION LTD.
Geophysical Contractors
Mississauga, Ontario
August, 1984

LEGEND

Grid line with 100m stations	
Located claim post	□
Claim line	
Instrument	EDA PPM-300
Base station	EDA PPM-400
Values above base level of	59,000 gammas
Contour interval	25 gammas
25 gamma contour	
100 gamma contour	
500 gamma contour	
Depression	

REGISTERED PROFESSIONAL ENGINEER
A. J. WALKER
PROVINCE OF ONTARIO

2.7801

FALCONBRIDGE LIMITED

NORTHEAST GRID
Walls Township
Thunder Bay M.D., Ontario

Magnetometer Survey
TOTAL FIELD CONTOURS

Scale 1:5000
0 100m 200m 300m 400m 500m

DATE: AUGUST 1984	DRAWN: R.T.M.
N.T.S. REF: 42G-4	DATA:

HAWKINS TOWNSHIP

WALLS TOWNSHIP

761041 761045 761049 761053 761017 761016 761009 761008

761042 761046 761050 761054 761018 761015 761010 761007

761043 761047 761051 761055 761019 761014 761011 761006

761044 761048 761052 761056 761020 761013 761012 761005

T.L. 30S

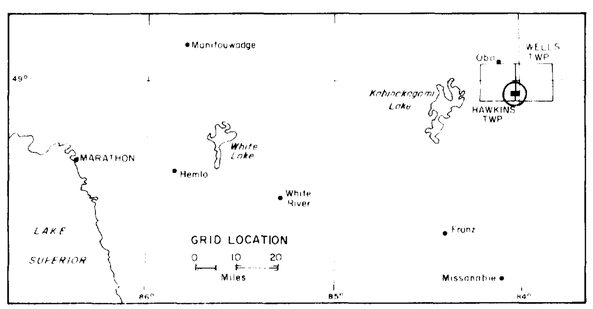
T.L. 42S

BASE LINE 36S

Lake

L 32E L 33E L 34E L 35E L 36E L 37E L 38E L 39E L 40E L 41E L 42E L 43E L 44E L 45E L 46E L 47E L 48E L 49E L 50E L 51E L 52E L 53E L 54E L 55E L 56E L 57E L 58E L 59E L 60E

N



LEGEND

Grid line with 100m stations

Located claim post □

Claim line

Lakeshore and stream

Instrument ..... EDA PPM-300

Base station ..... EDA PPM-400

Values above base level of ... 59,000 gammas

REGISTERED PROFESSIONAL ENGINEER A. J. WALKER PROVINCE OF ONTARIO

Survey by:

WALKER EXPLORATION LTD.

Geophysical Contractors

Mississauga, Ontario

August, 1984

2.7801

FALCONBRIDGE LIMITED

HAWK GRID

Walls and Hawkins Townships

Thunder Bay M.D., Ontario

Magnetometer Survey

TOTAL FIELD VALUES

Scale 1:5000

0 100m 200m 300m 400m 500m

DATE:	AUGUST 1984	DRAWN	R.T.M.
N.T.S. REF	42C-16	DATA	

42G14SW8215 2.7801 WALLS

HAWKINS TOWNSHIP

WALLS TOWNSHIP

761041 761045 761049 761053 761017 761016 761009

761042 761008

761043 761007

761044 761006

761005

T.L. 30S

BASE LINE 36S

T.L. 42S

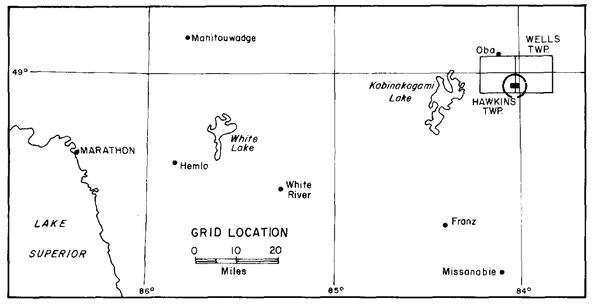
761 046 761 050 761 047 761 051 761 055 761 048 761 056 761 018 761 015 761 010 761 019 761 014 761 011

Lake

761020 761013 761012

L 32E L 33E L 34E L 35E L 36E L 37E L 38E L 39E L 40E L 41E L 42E L 43E L 44E L 45E L 46E

L 47E L 48E L 49E L 50E L 51E L 52E L 53E L 54E L 55E L 56E L 57E L 58E L 59E L 60E



LEGEND

Grid line with 100m stations	
Located claim post	□
Claim line	
Lakeshore and stream	
Instrument	EDA PPM-300
Base station	EDA PPM-400
Values above base level of	59,000 gammas
Contour interval	100 gammas
100 gamma contour	
500 gamma contour	
1000 gamma contour	
Depression	

REGISTERED PROFESSIONAL ENGINEER A. I. WALKER PROVINCE OF ONTARIO

Survey by:
WALKER EXPLORATION LTD.
Geophysical Contractors
Mississauga, Ontario
August, 1984

2.7801

FALCONBRIDGE LIMITED

HAWK GRID
Walls and Hawkins Townships
Thunder Bay M.D., Ontario

Magnetometer Survey
TOTAL FIELD CONTOURS

Scale 1:5000
0 100m 200m 300m 400m 500m

DATE: AUGUST 1984	DRAWN: R.T.M.
N.T.S. REF: 42C-16	DATA:

42G14SW0215 2.7801 WALLS