



52P08NE0002 2.14477 KAWITOS LAKE

010

2.14477

MAGNETOMETER AND VLF
SURVEYS
KAWITOS LAKE AREA
52P/8

Falconbridge Limited
August, 1991
Daryl Hodges
Qual. No.: 2.9583



52P08NE0002 2.14477 KAWITOS LAKE

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i) SUMMARY

The Kawitos Lake property in northwest Ontario comprises 199 claims staked between July, 1989 and April, 1991. All but 6 are under Option. The property is approximately 12 kilometres long and 1.6 to 3.2 kilometres wide and covers an entire slice of volcanic rocks wedged between granite terrains within the eastern Uchi belt. The property is divided into three grids, the South, West and East grids, with one continuous baseline. The baseline trends 1.7 kilometres north - south in the south grid, 3.8 kilometres at Azimuth 065° in the west grid and 8.1 kilometres at Azimuth 090° in the East grid. Between March and June of 1991, approximately 350 line kilometres of grid were cut, 45 kilometres brushed out and rechained and 354 kilometres covered by Magnetometer and VLF surveys. The work was carried out by Northwest Geophysics of Thunder Bay, Ontario. The VLF survey of the South grid used Annapolis, Maryland and Cutler, Maine transmitters. The West and East grids used Cutler and Seattle, Washington transmitters.

ii) CONCLUSIONS

The property is divided into six domains, based on the combined results of the two surveys. 1) The Northwest volcanics 2) Northern granite terrain, 3) The Cormac volcanics which covers most of the South Grid, TL16S to 5+00N on L38W, then wedges out to the northeast at L36E/TL8N. 4) The Dead Zone 5) The Eastern volcanics and 6) The Southern granite terrain. The Cormac volcanics contain the majority of the formational conductors and strong evidence of folded stratigraphy, especially along the contact with the Dead Zone. A fault block with significant vertical throw is interpreted to occur between the baseline and L11W to L19W. At the southwest extremity of the eastern volcanics is an intense magnetic anomaly with coincident bedrock conductors along a strike length of 400 metres, coincident with the Boylen occurrence. Less intense magnetic and VLF activity is present 200 to 300 metres southwest of this zone, where a structurally complex junction of southern granite, eastern volcanics and dead zone occurs.

iii) RECOMMENDATIONS

Geological mapping and EM follow up over the Cormac volcanic zone and the Eastern volcanic zone must be completed prior to establishing final diamond drill targets.

1.0 INTRODUCTION

1.1 Location

The Kawitos property is located in the Thunder Bay Mining District, approximately 125 km east of Pickle Lake, 100 km north of Armstrong and 20 km west of Fort Hope, Ontario. NTS 52P/8, centred on Longitude 88° 15' West, latitude 51°15' North (Figure 1). Claim reference maps are Kawitos Lake G-287 and Petawanga Lake G-378.

1.2 Access

Access and camp support are maintained by float planes chartered out of Nakina and Pickle Lake. Landing strips are present at Fort Hope, 20 km east and Miminiska Lake, 15 km northwest. The camp is located on Disco Lake, which is not recommended for future use due to its' small size and boulder reefs. The Kawitos Lake camp is not usable since it is in a Provincial Park.

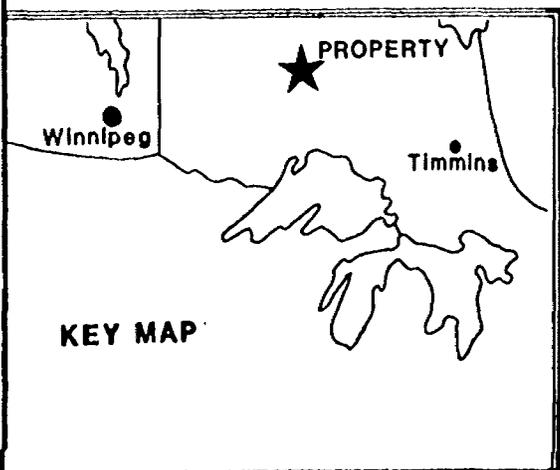
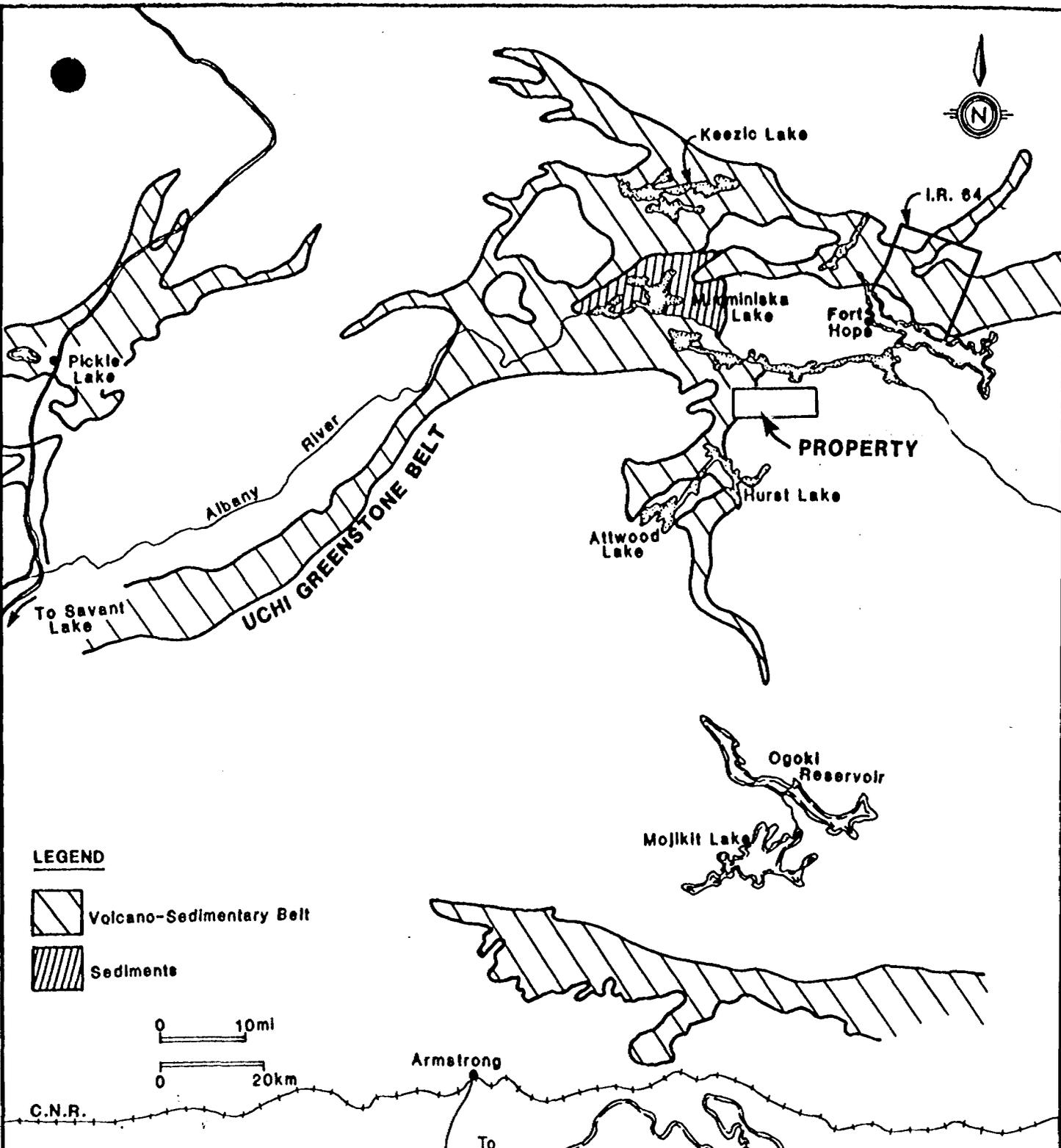
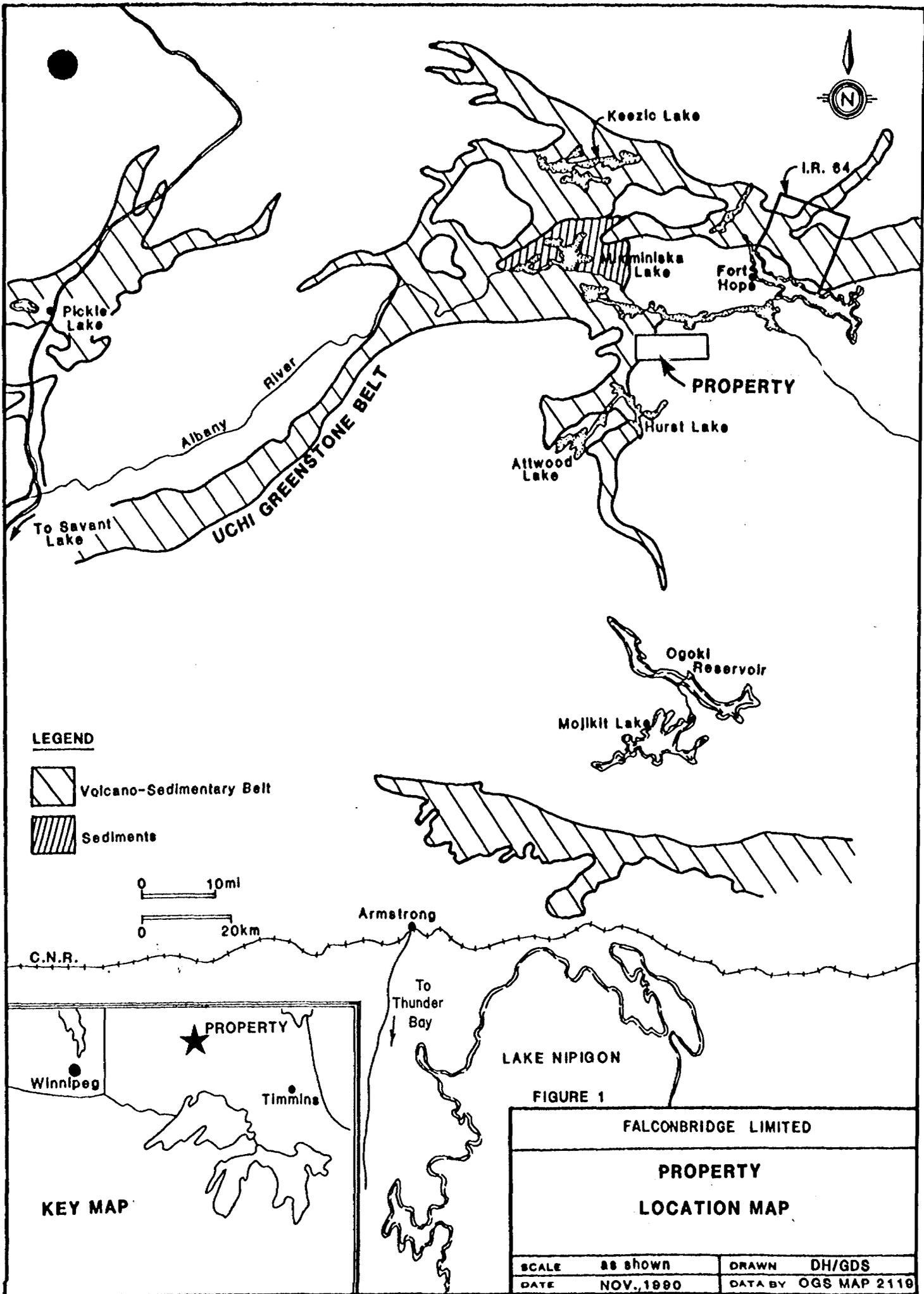
1.3 General Geology

The property is located at the eastern end of the Uchi Greenstone Belt, part of the Superior Province of the Canadian Shield. The property is dominantly underlain by mafic and felsic volcanic rocks of Archean age, which are bound on the north, east and south by granite batholith and on the east by a major fault which appears to terminate the felsic to mafic volcanic rocks. West of this western fault, referred to here as the Auger Shear, the volcanic sequence is predominantly composed of mafic volcanic rocks (Figure 2). The stratigraphy east of the Auger Shear appears to be rotated into this structure, which may be a transpressional shear zone. Due to this rotation of the stratigraphy, the property is traversed by three adjacent grids with a common baseline. The South grid, just east of the Auger Shear, at the west extremity of the property, has a baseline oriented at Azimuth 180°, subparallel to the strike of the units. The West Grid, adjacent to and immediately east of the South Grid, trends at Azimuth 065°. The east end of the property is made up of the East1 and East2 grids, both trending Azimuth 090°.

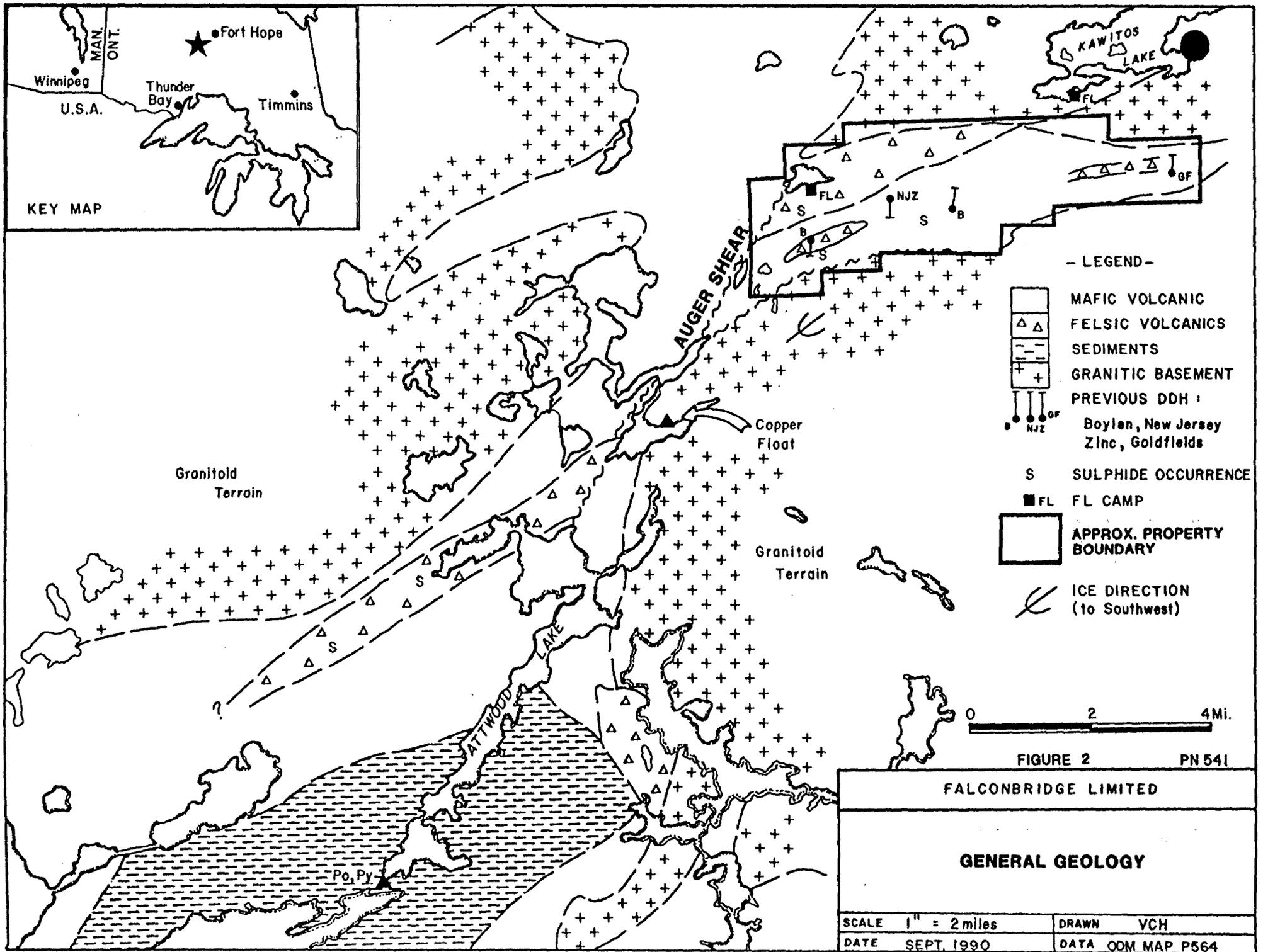
A detailed account of the geology of the west half of the West Grid is provided in a report entitled **Geology and Geophysics Programs Ryley Cormac Area August to September, 1990**. The south grid is interpreted to be a southward - trending extension of the geology at the Ryley Cormac area. East of the Ryley Cormac area, bedrock exposure is limited to a few outcrop ridges and is interpreted to be a continuation of the volcanic stratigraphy, complicated by faulting.

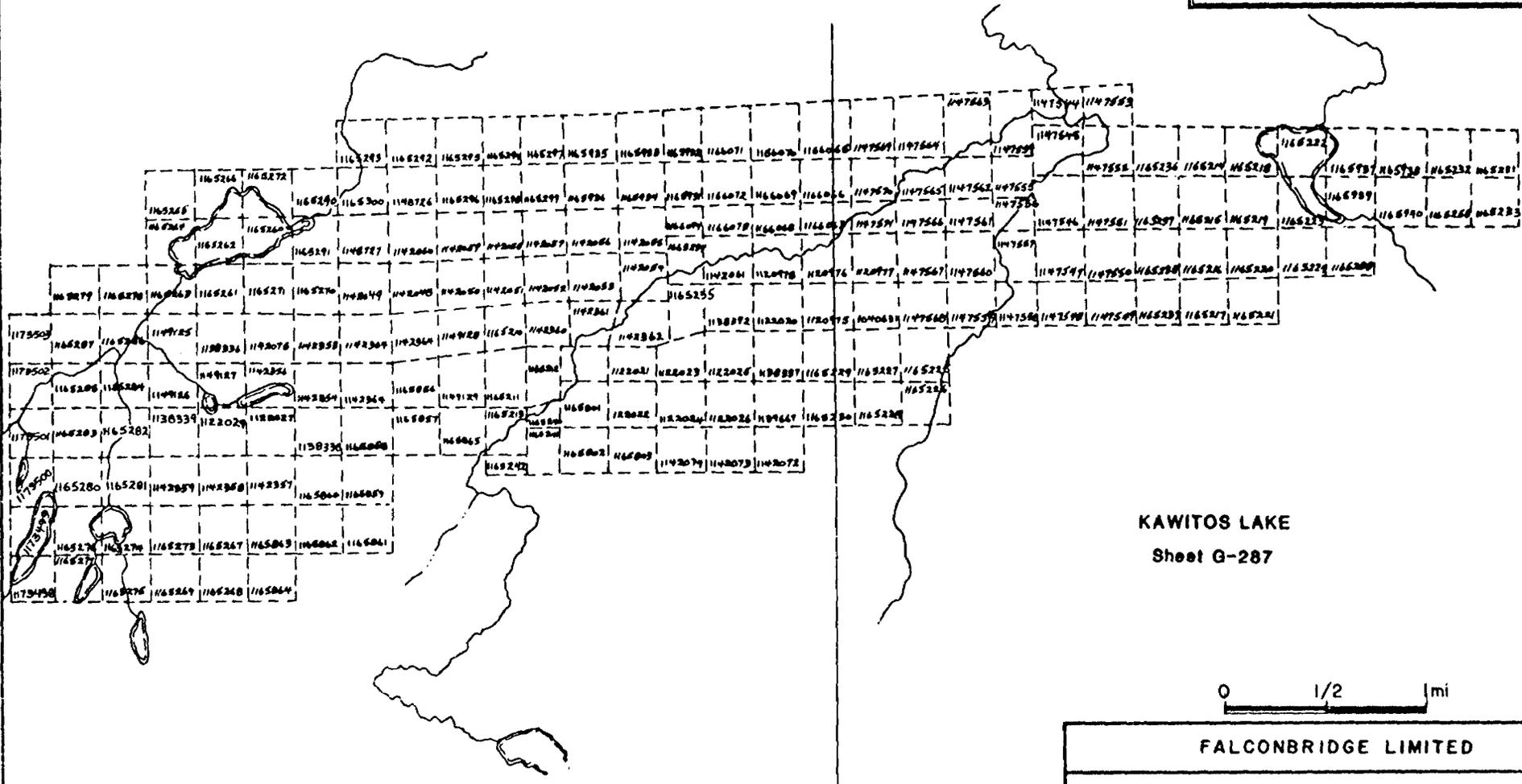
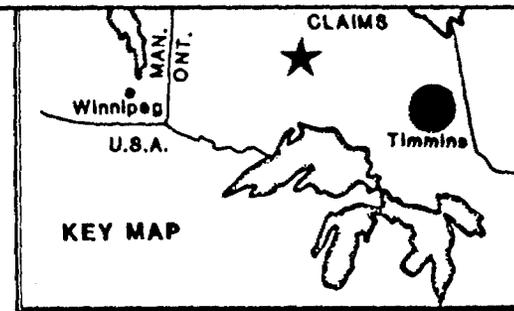
2.0 CLAIM STATUS

All claims covered by this report are 100% owned by Falconbridge Limited. The location of claims are depicted in Figure 3. The claims were staked between July, 1989 and April, 1991. Table 1 provides a list of claims covered by this report. Approximately 3% of the claim block was omitted from the survey. Approximately 6% of the surveying extends beyond the property limits, mainly at the east end of the property. This work has ensured that the property covers all the volcanic rocks.



FALCONBRIDGE LIMITED	
PROPERTY	
LOCATION MAP	
SCALE	as shown
DATE	NOV., 1990
DRAWN	DH/GDS
DATA BY	OGS MAP 2119





PETAWANGA LAKE
Sheet G-378

KAWITOS LAKE
Sheet G-287

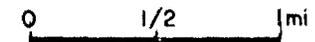


FIG. 3

FALCONBRIDGE LIMITED	
KAWITOS AREA CLAIMS COVERED BY REPORT	
SCALE as shown	DRAWN GDS
DATE SEPT.1990	DATA DJH

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1142060	MAR. 8 / 1990	1165261	
1142061		1165262	
1139667		1165263	
1138337		1165264	
1149125	AUG./24/1990	1165265	
1149126		1165266	
1149127		1165267	
1149128		1165268	
1149129		1165269	
1165210		1165270	
1165211		1165271	
1165212		1165272	
1165213		1165273	
1165801		1165274	
1165802		1165275	
1165803		1165276	
1165856		1165277	
1165857		1165278	
1165858		1165279	
1165859		1165280	
1165860		1165281	
1165861		1165282	
1165862		1165283	
1165863		1165284	
1165864		1165285	
1165865		1165286	
1165287	AUG./24/1990	1147557	SEPT./6/1990

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1165290		1147558	
1165291		1147559	
1165292		1147560	
1165293		1147561	
1165294		1147562	
1165295		1147563	
1165296		1147564	
1165297		1147565	<i>Also 1147566 July/Aug 13/02/92</i>
1165298		1147567	
1165299		1147568	
1165300		1147569	
1148726		1147570	
1148727		1147571	
1147544	SEPT./6/1990	1165214	
1147545		1165215	
1147546		1165216	
1147547		1165217	
1147548		1165218	
1147549		1165219	
1147550		1165220	
1147551		1165221	
1147552		1165222	
1147553		1165223	
1147554		1165224	
1147555		1165225	
1147556		1165226	
1165227	SEPT./6/1990	1165937	SEPT./6/1990

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1165228		1165938	
1165229		1165939	
1165230		1165940	
1165234		1165288	(See also 3 claims, below)
1165235		1165231	SEPT./24/1990 <i>Oct</i>
1165236		1165232	
1165237		1165233	
1165238		1165258	
1165239		1173498	APR./15/1990 1991 <i>Oct</i>
1165240		1173499	
1165241		1173500	
1165242		1173501	
1166065		1173502	
1166066		1173503	
1166067		1165935	SEPT./6/1990
1166068		1165936	
1166069		1147566	
1166070			
1166071			
1166072			
1166073			
1166074			
1165931			
1165932			
1165933			
1165934			

3.0 PREVIOUS WORK AND RESULTS

Prior to Falconbridge involvement, three companies are known to have completed mineral exploration in the area. Two of these companies were exploring for base metals (Boylen Engineering and New Jersey Zinc) whereas the third company (Goldfields) was exploring for gold. A brief summary of the work done by these companies is presented in Table 2.

COMPANY	YEAR	DRILLING	GEOPHYSICS	GEOLOGY
BOYLEN ENGINEERING	1961	6 holes totalling 795m	Ground magniphase EM, ground Mag.	Geological mapping, trenching, line cutting
NEW JERSEY ZINC	1976	2 holes totalling 74m		Prospecting, trenching
GOLDFIELDS	1986	1 hole totalling 245m	Aerodat Mag., VLF, EM airborne survey	Outcrop stripping, line cutting

Table 2. Previous work done in the Kawitos Lake area.

The Magniphase program by Boylen Engineering, in 1961, was completed over a portion of the current property. The survey identified a formational conductor south of Disco Lake and numerous small conductors several hundred metres south of the lake. Most of these have a magnetic association, resulting from pyrrhotite or magnetite. The AEM survey conducted by Aerodat Ltd. for Goldfields Canadian Mining was interpreted by G. Podolski. From the magnetics, Podolski interpreted imbricate structures along east - west planes within the volcanic sequence. Northwesterly - striking structures were identified as having near - vertical displacements in the volcanics. Thirteen conductive zones were identified in the area of the survey, most confined to the northern half of the Aerodat Survey, and all covered by the current Falconbridge Limited property. In 1989 and 1990, reconnaissance VLF traverses were completed over very specific targets, along variously oriented small grids by Alpamayo Exploration and Adventure Services.

4.0 1991 PROGRAM

4.1 Line Cutting

The 1991 program is an extension of the 1990 program at Ryley Cormac. The existing grid was rechainned to allow for a continuous baseline, over the full property. A total of approximately 354 kilometres of grid lines and 50 kilometres of baseline and tieline are present

on the property. The South Grid baseline extends 1.7 kilometres at Az 180°, with cross lines every 100 metres. All lines are cut to the 10 West Tieline. Cutting east from the baseline, the lines end at L38W on the West Grid, oriented at Az 155°. North of LOS, lines are cut to 5+00N, abutting against L38W. The West grid baseline is 3.8 kilometres long trending Az 065°. Picket lines are at 100 metre centres, stations every 25 metres. The West grid extends from Tieline 16+00S to 16+00N, a distance of 3.2 kilometres. Four lines; 39, 40, 41 and 42 West extend from TL8N to TL16N. In the southeast corner of the grid, the lines abut against Line Zero East, on the East Grid. The East Grid baseline strikes east - west for 8.1 kilometres. Picket lines are cut at 100 metre centres, with stations at 25 metre intervals. Lines 0E to L32E extend from TL20S to 11+00N, 3.1 kilometres. Lines 33E to 59E extend from TL12S to 11+00N, 2.3 kilometres. Lines 60E to 81E extend from TL8S to 11+00N, 1.9 kilometres. Line cutting was carried out between March 1 and April 20, 1991 and from May 14 to June 10, 1991. The work was contracted to Northwest Geophysics Ltd. of Thunder Bay, Ontario.

4.2 Magnetic Survey

Magnetic readings were taken with an EDA Omni proton precession magnetometer. The instrument measures the earth's magnetic field to an accuracy of 0.1 nanoteslas. Corrections for diurnal drift were made using a base station recorder. The magnetometer is configured with a VLF receiver, to allow for multiple surveying. Due to the presence of magnetic storms, instrument configuration and the desire to combine all magnetic and VLF data on the west grid into a single database while maintaining high data fidelity, it was decided to repeat the magnetic survey over claims covered by the 1990 work. This is especially important given the sensitivity of colour processed images to data levelling problems. The magnetic survey was carried out between March 15 and April 20 and between June 9 and June 17, 1991 by Northwest Geophysics Ltd. of Thunder Bay, Ontario.

The magnetic readings are presented in back pocket Maps 1 (South Grid), 2 (West Grid), 3 (East1 Grid) and 4 (East2 Grid) at a scale of 1:5,000, showing the grid lines and claims traversed. A 1:10,000 scale map of the contoured total field magnetics, combined with interpreted structure from the Magnetic and VLF surveying, is provided in Map 13.

4.3 VLF Survey

The VLF survey was carried out using the EDA Omni - Plus VLF receiver. Two transmitter stations were used for each grid station to ensure high quality of data. On the South Grid, Annapolis, Maryland (21.4 KHz frequency) and Cutler, Maine (24.0 KHz frequency) were used. For the West Grid, East1 and East2 grids, Cutler, Maine and Seattle, Washington (24.8 KHz frequency) were used. The VLF survey was conducted in conjunction with the magnetic survey. Previous surveying, completed on small portions of the property using a Geonics EM-16 instrument by Alpamayo Exploration and Adventure Services, was not compatible with the current survey, due to line orientation and single station selection, therefore, to preserve data quality within the current survey and to ensure the best possible correlation with conductive horizons, the entire property was resurveyed.

The In-phase and Quadrature components of the vertical field vector are presented in this report. The results are provided in stacked profile format, along with the grid lines and claims traversed at a scale of 1:5,000 in the following back pocket maps: Map 5 (South Grid, NAA Cutler, Me), Map 6 (West Grid, Cutler, Me.), Map 7 (East1 Grid, Cutler, Me.), Map 8 (East2 Grid, Cutler, Me.), Map 9 (South Grid, Annapolis, Md.), Map 10 (West Grid, Seattle, Wa.), Map 11 (East1 Grid, Seattle Wa.), Map 12 (East2 Grid, Seattle, Wa.). Interpreted VLF is provided in Map 13, at 1:10,000 overlying Total Field magnetics.

5.0 INTERPRETATION

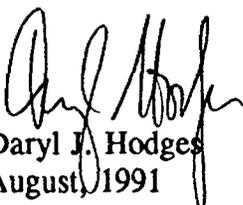
The magnetic anomalies are interpreted to be composed of four types of features: 1) Strong magnetic linears, 2) weak magnetic linears, 3) folds and 4) cross structures. These are denoted M1, M2, M3 and M4 on Map 13. The strong linears are caused by pyrrhotite - bearing formational horizons. The weak linears result from the contacts between the granite and volcanic terrains (likely magnetic thermal aureoles) subparallel to the formational trends and also weakly magnetic formational horizons. The folds generally occur within the volcanic sequence and appear to represent strong internal folding of the volcanic and related rocks. The units which are folded are a combination of magnetically distinct mafic volcanics, intrusive sills, altered and mineralized volcanics or pyrrhotite - bearing sulphide horizons. The distinction between these has not yet been determined. The cross - structures occur as distinct breaks in linear magnetic trends or as weakly anomalous features. These trend across the property at approximately 120° 140° in the east and appear to trend more east - west with minor north - south orientations in the West and South grids.

The VLF survey results are interpreted to be composed of three types of features: 1) Formational conductors, 2) disconformable contacts and 3) cross structures. These are denoted V1, V2 and V3 on the interpretive Map 13. The formational conductors define stratigraphic horizons of either altered, mineralized volcanics or pyrrhotite - bearing sulphide horizons. Fold closures of these features do not show up, as with the magnetic results, however limbs of mag - interpreted folds are locally confirmed by VLF conductors. Disconformable contact features are defined by VLF troughs and also by truncation of formational features. These are best seen in the east and west grids. Cross - cutting structures trend at approximately 135° and are dominant in the east grid, where conjugate sets trend at 075°.

The property is divided into six domains, based on the combined results of the two surveys. 1) The northwest volcanics which occur in the extreme northwest corner of the property, is a wedge with elevated magnetics and VLF responses similar to the main volcanic units. 2) Northern granite terrain, with very low magnetic activity, crossed by weak VLF cross structures, which wedges out just north of Disco Lake. The southern contact is defined by a change in the background magnetics and, in the central portion of the property, by a weak magnetic linear and sporadic, coincident VLF conductors. 3) The Cormac volcanic zone which covers most of the South Grid, TL16S to 5+00N on L38W, then wedges out to the northeast at L36E/TL8N. The Cormac volcanics contain the majority of the formational conductors and strong evidence of folded stratigraphy, especially along the contact with the Dead Zone (see below). A fault block is interpreted to occur between the baseline and L11W to L19W. Movement is interpreted as vertical, since the strong formational VLF - Mag linear continues

through the block as a weak VLF feature. Presumably the downward throw has been sufficient to nullify the magnetic response. The west limit of the Cormac volcanics is defined by a strong magnetic linear/formational VLF conductor. This 'metallotect' may be a combined stratigraphic - structural zone related to the Auger Lake shear. 4) The Dead Zone wedge bounds the Cormac volcanics from L37W/16S to L36E/TL8N. The east limit extends from L6E/TL20S, north to L17E/8+00S then over to L60E/6+00N. This wedge has very weak magnetics and weak VLF cross - structures. No significantly anomalous features occur in the zone which is either a re-entrant of granite terrain or an imbricate slice of monotonous volcanics. A single fold structure between L32E and L38E supports the latter, if the folds are confined to the volcanic terrain. 5) The eastern volcanics occur east of the dead zone, and are delimited to the east from L17E/8+00S to L76E/2+00N where an east verging fold closure is interpreted to be the east end of the volcanics enclosed in granite. A very strong magnetic anomaly, centred between L22E to L26E at 7+00S, causes a magnetic disturbance which extends into the dead zone to the north. The anomaly extends to L36E/5+00S, with coincident VLF conductor, but is weaker. Two hundred metres south of, and parallel to, this feature is a VLF conductor denoted V1 on Map 13, which could be a response to the granite - volcanic contact. 6) The southern granite terrain also trends from L17E/8+00S and defines the southern and eastern limit of the eastern volcanics, where it meets the northern granite at the L76E fold closure. This terrain is defined by low magnetics and generally weak VLF responses. The exceptions are the series of strong northwest - southeast trending cross - structures some of which extend into the eastern volcanics and the Dead Zone and a structurally complex area bound by L11E, L29E, TL20S and TL12S.

Respectfully Submitted,


Daryl J. Hodges
August, 1991

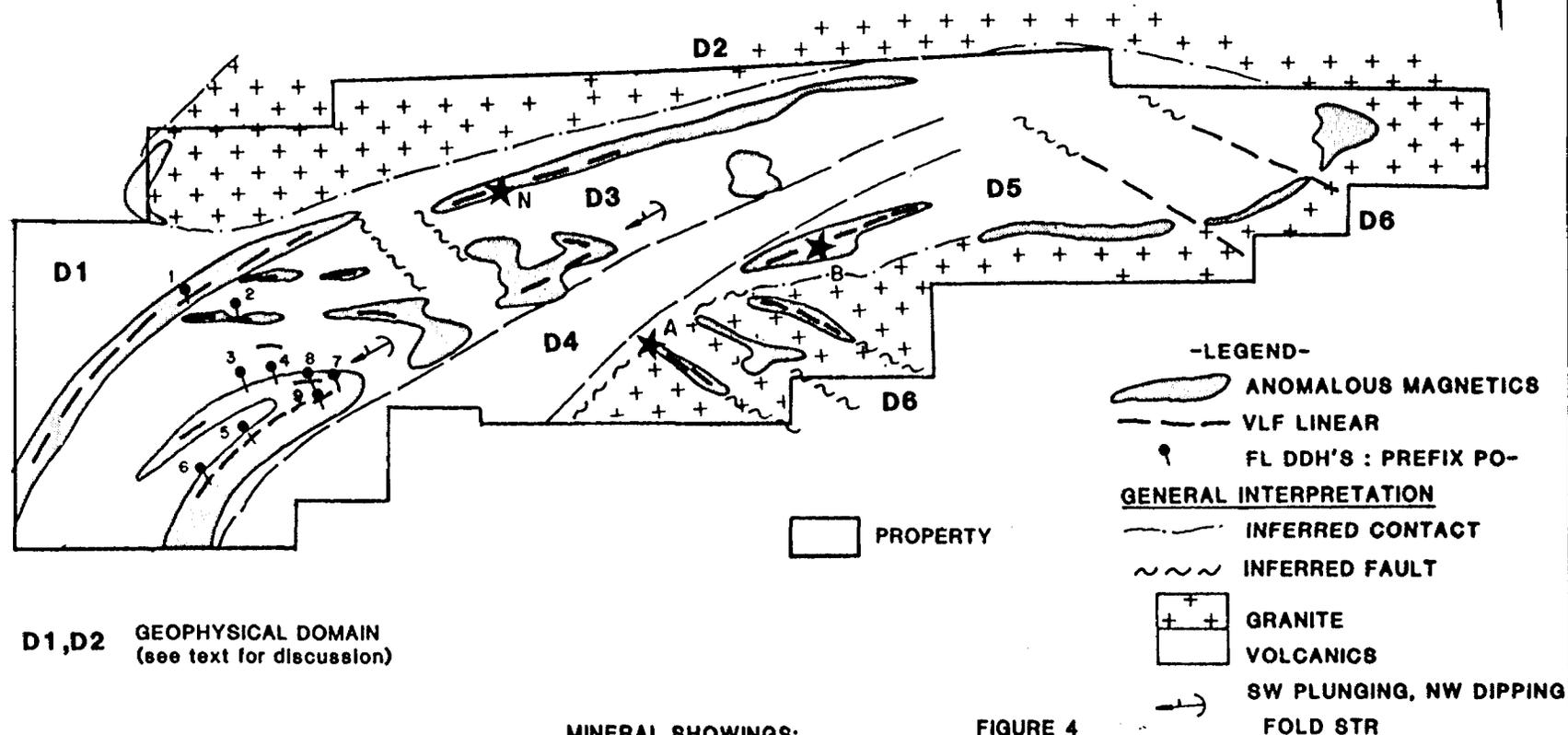
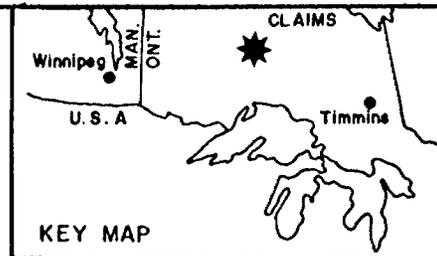


FIGURE 4

FALCONBRIDGE LIMITED	
GEOPHYSICAL INTERPRETATION	
SCALE	DRAWN VCH
DATE AUG.1991	DATA DJH

STATEMENT OF QUALIFICATIONS

This is to confirm that I, DARYL JOHN HODGES of 155 Borebank Street, Winnipeg, Manitoba, do certify that:

1. I am a graduate geologist of the University of Waterloo (BSc 1982, MSc 1987)
2. I have been involved in mineral exploration since 1977.
3. I am a Senior Project Geologist with Falconbridge Limited since 1987.
4. I have no financial interest in the claims covered by this report, of which I am responsible, nor do I expect to receive any interest.

A. Brook
WITNESS

Daryl John Hodges
DARYL JOHN HODGES

August 14, 1991
DATE

Stamp: AUG 14 1991



Ministry of Northern Development and Mines

Geophysical-Geological-Geochemical Technical Data Statement

2014488

File _____

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) Geophysical (Magnetometer, VLF)

Township or Area Fort Hope (Kawitos Lake)

Claim Holder(s) Falconbridge Limited

Survey Company Northwest Geophysics Ltd.

Author of Report Daryl Hodges

Address of Author 100-3074 Portage Ave., Winnipeg, MB

Covering Dates of Survey March 1/91 to August 14/91
(linecutting to office)

Total Miles of Line Cut 367.8km (230 miles) Recharged 41.2km
(25.6 miles)

MINING CLAIMS TRAVERSED
List numerically

See table
(prefix) (number)

If space insufficient, attach list

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

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

ENTER 20 days for each
additional survey using
same grid.

- Geophysical
--Electromagnetic
--Magnetometer
--Radiometric
--Other
Geological
Geochemical

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

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: August 11/91 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. Qualifications

Previous Surveys

Table with 4 columns: File No., Type, Date, Claim Holder

TOTAL CLAIMS _____

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 14,288 on 357km of Picketline Number of Readings Mag: 14,288 VLF: 28,576
Station interval 25 metres Line spacing _____
Profile scale VLF: 1cm = 50%
Contour interval MAGNETIC: 100 nanoteslas

MAGNETIC

Instrument EDA Omni
Accuracy - Scale constant 0.1 Nanoteslas
Diurnal correction method Base station recorder
Base Station check-in interval (hours) 30 seconds
Base Station location and value L25W/7+00N; 59,818 nT

ELECTROMAGNETIC

Instrument EDA Omni Plus (VLF)
Coil configuration Vertical Coil
Coil separation Infinite
Accuracy +1%
Method: Fixed transmitter Shoot back In line Parallel line
Frequency 21.4 KHz (Annapolis, Maryland); 24.0 KHz (Cutler, Main); 24.8 KHz (Seattle, Wash.)
(specify V.L.F. station)
Parameters measured In-phase, Quadrature

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 _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

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.

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

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

TABLE 1. List of Claims (Thunder Bay Mining Division)

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1120975	JUL./17/1989	1142359	MAR./8/1990
1120976		1142353	
1120977		1142354	
1120978		1142355	
1122020		1142356	
1040631		1142360	
1122023	AUG./23/1989	1142361	
1122024		1142362	
1122027		1142363	
1122029		1142364	
1138336	SEPT./20/1989	1138389	also: 1138337 <i>PH</i> .
1138338		1138392	
1138339		1142048	
1122021		1142049	
1122022		1142050	
1122025		1142051	
1122026		1142052	
1142072	MAR./8/1990	1142053	
1142073		1142054	
1142074		1142055	
1142075		1142056	
1142357		1142057	
1142358		1142058	<i>Also 1142060, 61, 1139667 PH</i>
1142059	MAR./8/1990	1165260	AUG./24/1990

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1142060	11/18/1990 MAY 18/1990	1165261	
1142061		1165262	
1139667		1165263	
1138337		1165264	
1149125	AUG./24/1990	1165265	
1149126		1165266	
1149127		1165267	
1149128		1165268	
1149129		1165269	
1165210		1165270	
1165211		1165271	
1165212		1165272	
1165213		1165273	
1165801		1165274	
1165802		1165275	
1165803		1165276	
1165856		1165277	
1165857		1165278	
1165858		1165279	
1165859		1165280	
1165860		1165281	
1165861		1165282	
1165862		1165283	
1165863		1165284	
1165864		1165285	
1165865		1165286	
1165287	AUG./24/1990	1147557	SEPT./6/1990

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1165290		1147558	
1165291		1147559	
1165292		1147560	
1165293		1147561	
1165294		1147562	
1165295		1147563	
1165296		1147564	
1165297		1147565	
1165298		1147567	
1165299		1147568	
1165300		1147569	
1148726		1147570	
1148727		1147571	
1147544	SEPT./6/1990	1165214	
1147545		1165215	
1147546		1165216	
1147547		1165217	
1147548		1165218	
1147549		1165219	
1147550		1165220	
1147551		1165221	
1147552		1165222	
1147553		1165223	
1147554		1165224	
1147555		1165225	
1147556		1165226	
1165227	SEPT./6/1990	1165937	SEPT./6/1990

CLAIM NUMBER	DATE RECORDED	CLAIM NUMBER	DATE RECORDED
1165228		1165938	
1165229		1165939	
1165230		1165940	
1165234		1165288	(See also 3 claims, below)
1165235		1165231	SEPT./24/1990 <i>OK</i>
1165236		1165232	
1165237		1165233	
1165238		1165258	
1165239		1173498	APR./15/1991
1165240		1173499	
1165241		1173500	
1165242		1173501	
1166065		1173502	
1166066		1173503	
1166067		1165935	SEPT./6/1990
1166068		1165936	
1166069		1147566	
1166070			
1166071			
1166072			
1166073			
1166074			
1165931			
1165932			
1165933			
1165934			



900

MINING LANDS

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 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

1 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED
 FEB 26 1992
 MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ ~~171,574.89~~ **171,694**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	-------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, MB R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded 171,694	Date Recorded Feb 17/92	Mining Recorder <i>[Signature]</i>	Received THUNDER BAY MINING DIVISION RECEIVED FEB 17 1992 A.M. 7 8 9 10 11 12 1 2 3 4 5 P.M.
	Deemed Approval Date May 25/92	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Appraisal Report	Claim Number (see Note 2)	Number of Claim Units
	TB 1138337	1
	TB 1138389	1
	TB 1138392	1
	TB 1139667	1
	TB 1142048	1
	TB 1142049	1
	TB 1142050	1
	TB 1142051	1
	TB 1142052	1
	TB 1142053	1
	TB 1142054	1
	TB 1142055	1
	TB 1142056	1
	TB 1142057	1
	TB 1142058	1
	TB 1142059	1
	TB 1142060	1
17		
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
894.40 895	894.40 895
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
15,204.50 215 \$15,204.50	15,204.50 215 \$15,204.50
Total Value Work Done	Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. Credits are to be cut back starting with the claim listed last, working backwards.
2. Credits are to be cut back equally over all claims contained in this report of work.
3. Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature
	Date

Report of Work Conducted After Recording Claim

Transaction Number

Mining Act

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 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

2 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitso Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent Signature <i>[Signature]</i>
--	------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	THUNDER BAY DIVISION RECEIVED FEB 17 1992 A.M. 7 8 9 10 11 12 1 2 3 4 5 P.M.
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		



Ontario

Ministry of Northern Development and Mines

Report of Work Conducted After Recording Claim

Mining Act

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3 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

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Daryl Hodges (Author)	100 - 3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

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Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	<table border="1"> <tr> <td colspan="5">THUNDER BAY MINING DIVISION</td> </tr> <tr> <td colspan="5">RECEIVED</td> </tr> <tr> <td colspan="5">FEB 17 1992</td> </tr> <tr> <td colspan="5">A.M. P.M.</td> </tr> <tr> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> </table>	THUNDER BAY MINING DIVISION					RECEIVED					FEB 17 1992					A.M. P.M.					7	8	9	10	11	12	1	2	3	4	5
THUNDER BAY MINING DIVISION																																		
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FEB 17 1992																																		
A.M. P.M.																																		
7	8	9	10	11	12	1	2	3	4	5																								
	Deemed Approval Date	Date Approved																																
	Date Notice for Amendments Sent																																	

Claims recorded July 17, 1989, August 23, 1989 and September 20, 1989

Work Report Number for Filing	Claim Number (see Note 2)	Number of Claim Units
	TB 1120975	1
	TB 1120976	1
	TB 1120977	1
	TB 1120978	1
	TB 1122020	1
	TB 1040631	1
	TB 1122023	1
	TB 1122024	1
	TB 1122027	1
	TB 1122029	1
	TB 1138336	1
	TB 1138338	1
	TB 1138339	1
	TB 1122021	1
	TB 1122022	1
	TB 1122025	1
	TB 1122026	1
17		
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
895 894.40	895 894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	677 894.40
894.40	677 894.40
894.40	452 894.40
894.40	12 894.40
894.40	452 894.40
894.40	895 894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
\$ 15,204.00	\$ 13,010.00
Total Value Work Done	Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	218 \$ 0.00
\$ 0.00	218 \$ 0.00
\$ 0.00	443 \$ 0.00
\$ 0.00	883 \$ 0.00
\$ 0.00	443 \$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 0.00
\$ 0.00	\$ 2205.00
Total Assigned From	Total Reserve

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Signature _____ Date _____

**Report of Work Conducted
 After Recording Claim**
Mining Act

Transaction Number

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4 of 13

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Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
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<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
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Certification of Work Report

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Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp THUNDER BAY MINING DIVISION RECEIVED FEB 17 1992 A.M. [7] [8] [9] [10] [11] [12] [1] [2] [3] [4] [5] P.M.
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

Report of Work Conducted After Recording Claim

Mining Act

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5 of 13

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Mining Division Thunder Bay	Township/Area Kawitosa Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

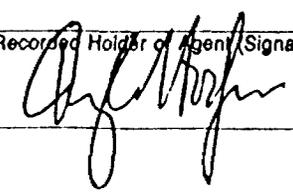
Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

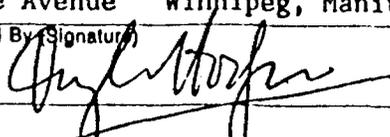
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Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

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I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) 
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Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) 

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">RECEIVED</td> </tr> <tr> <td colspan="2" style="text-align: center;">FEB 17 1992</td> </tr> <tr> <td style="text-align: center;">A.M.</td> <td style="text-align: center;">P.M.</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">12</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> </tr> </table>	RECEIVED		FEB 17 1992		A.M.	P.M.	7	8	9	10	11	12	1	2	3	4	5	6
RECEIVED																					
FEB 17 1992																					
A.M.	P.M.																				
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5	6																				
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Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

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- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

6 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15	To: June 17, 1991	

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, rechaining, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92.	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
--	--------------------------	---

Certification of Work Report

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

Name and Address of Person Certifying
Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2

Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>
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For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp THUNDER BAY MINING DIVISION RECEIVED FEB 17 1992 A.M. P.M. 7 8 9 0 1 2 1 2 3 4 5
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

CLAIMS RECORDED AUGUST 24, 1990

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	TB 1165272	1
	TB 1165273	1
	TB 1165274	1
	TB 1165275	1
	TB 1165276	1
	TB 1165277	1
	TB 1165278	1
	TB 1165279	1
	TB 1165280	1
	TB 1165281	1
	TB 1165282	1
	TB 1165283	1
	TB 1165284	1
	TB 1165285	1
	TB 1165286	1
	TB 1165287	1
	TB 1165290	1
	17	

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
894.40 895	894.40 895
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
\$15,204.00	\$15,204.00

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0

Total Assigned From

Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature _____ Date _____

Report of Work Conducted After Recording Claim

Transaction Number

Mining Act

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- Instructions:**
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 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
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 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

7 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed	From: March 15	To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, rechaining, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92.	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
--	-------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	THUNDER BAY RECEIVED FEB 13 1992 A.M. P.M. 7 8 9 10 11 12 1 2 3 4 5
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

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8 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
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<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

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Name	Address
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Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

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I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
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Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

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Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp THUNDER BAY MINING DIVISION RECEIVED FEB 17 1992 A.M. P.M. 7 8 9 10 11 12 1 2 3 4 5
	Deemed Approval Date	Date Approved	
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Report of Work Conducted After Recording Claim

Transaction Number

Mining Act

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9 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	------------------	--

Certification of Work Report

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Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	RECEIVED FEB 17 1992 P.M. 7 8 9 10 11 12 3 4 5
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

**Report of Work Conducted
 After Recording Claim**
Mining Act

Transaction Number

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 - A sketch, showing the claims the work is assigned to, must accompany this form.

10 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed	From: March 15	To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

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Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-30474 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
--	------------------	---

Certification of Work Report

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Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	RECEIVED FEB 17 1992 A.M. 7 8 9 10 11 12 3 4 5 P.M.
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

CLAIMS RECORDED SEPTEMBER 6, 1990

Work Report Number for Paying Mine	Claim Number (see Note 2)	Number of Claim Units
	TB 1165220	1
	TB 1165221	1
	TB 1165222	1
	TB 1165223	1
	TB 1165224	1
	TB 1165225	1
	TB 1165226	1
	TB 1165227	1
	TB 1165228	1
	TB 1165229	1
	TB 1165230	1
	TB 1165234	1
	TB 1165235	1
	TB 1165236	1
	TB 1165237	1
	TB 1165238	1
	TB 1165239	1
	17	

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$ 895.40	\$ 400.00
894.40	400.00
894.40	400.00
894.40	400.00
894.40	400.00
894.40	400.00
894.40	895.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
\$15,204.80	\$12,732.80

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
\$ 494.40	\$ 0.5
495	0
494.40	0
494.40	0
494.40	0
494.40	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
0.00	0
\$2,472.00	0.5

Total Assigned From

Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. Credits are to be cut back starting with the claim listed last, working backwards.
2. Credits are to be cut back equally over all claims contained in this report of work.
3. Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Report of Work Conducted After Recording Claim

Transaction Number

Mining Act

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 - A sketch, showing the claims the work is assigned to, must accompany this form.

11 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. 416-863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: March 15		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, rechaining, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92.	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
--	-------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	RECEIVED FEB 17 1992 P.M. 1 2 3 4 5
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

CLAIMS RECORDED SEPTEMBER 6, 1990

Work Report Number for Appraisal Fee	Claim Number (see Note 2)	Number of Claim Units
	TB 1165240	1
	TB 1165241	1
	TB 1165242	1
	TB 1166065	1
	TB 1166066	1
	TB 116067	1
	TB 1166068	1
	TB 1166069	1
	TB 1166070	1
	TB 1166071	1
	TB 1166072	1
	TB 1166073	1
	TB 1166074	1
	TB 1165931	1
	TB 1165932	1
	TB 1165933	1
	TB 1165934	1
17		

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$ 894.40 ²⁸⁹⁵	\$ 500.00
0.00	200.00
43.11 ⁴⁴	237.51 ²³⁸
894.40 ⁸⁹⁵	894.40 ⁸⁹⁵
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
\$13,450.00	\$13,450.00

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
\$ 394.40 ³⁹⁵	\$ 0
0.00	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
\$ 394.40	0

Total Assigned From

Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
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In the event that you have not specified your choice of priority, option one will be implemented.

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Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature _____ Date _____



Report of Work Conducted After Recording Claim

Transaction Number

Ontario

Mining Act

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- Instructions:**
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 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

12 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario		Telephone No. (416) 863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: <u>MAY 15, 1991</u>	To: June 17, 1991	

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, recharging, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: 13/02/92 Recorded Holder or Agent (Signature): [Signature]

Certification of Work Report

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

Name and Address of Person Certifying: Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2

Telephone No. (204) 888-9860 Date February 13, 1992 Certified By (Signature): [Signature]

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	<div style="border: 2px solid black; padding: 5px;"> <p>THUNDER BAY MINING DIVISION RECEIVED FEB 17 1992 A.M. 7 8 9 10 11 12 1 2 3 4 5 P.M.</p> </div>
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

Report of Work Conducted After Recording Claim

Transaction Number

Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

13 of 13

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No.
Address P.O. Box 40 Commerce Court West Toronto, Ontario M5L 1B4		Telephone No. 416-863-7057
Mining Division Thunder Bay	Township/Area Kawitos Lake	M or G Plan No.
Dates Work Performed From: MAY 15 <i>OH</i>		To: June 17, 1991

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Linecutting, rechaining, magnetometer and VLF Surveys
<input type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 171,574.89

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Northwest Geophysics (Contractor)	Box 3263 (278 Sequoia Dr.) Thunder Bay, Ontario
Daryl Hodges (Author)	100-3074 Portage Avenue Winnipeg, Manitoba

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 13/02/92	Recorded Holder or Agent (Signature) <i>Daryl Hodges</i>
--	-------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Daryl Hodges Falconbridge Limited 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2		
Telephone No. (204) 888-9860	Date February 13, 1992	Certified By (Signature) <i>Daryl Hodges</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp THUNDER BAY MINING DIVISION RECEIVED FEB 17 1992 A.M. 7 8 9 10 11 12 3 4 5 P.M.
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Mining Reserve	Claim Number (see Note 2)	Number of Claim Units
	TB 1173498	1
	TB 1173499	1
	TB 1173500	1
	TB 1173501	1
	TB 1773502	1
	TB 1173503	1
6		

Total Number of Claims

TOTALS

Value of Assessment Work Done on this Claim	Value Applied to this Claim
894.40 ⁸⁹⁵	894.40 ⁶⁹⁵
894.40	894.40
894.40	894.40
894.40	894.40
894.40	894.40
431.09	632 ⁶³²
\$ 4,905.09	

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0 ²⁰⁰	0
0	0
0	0
0	0
0	0
0	0
0	0
\$ 200.00	

Total Assigned From

Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. Credits are to be cut back starting with the claim listed last, working backwards.
2. Credits are to be cut back equally over all claims contained in this report of work.
3. Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date



**Statement of Costs
for Assessment Credit**

**État des coûts aux fins
du crédit d'évaluation**

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9240-00031

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'œuvre		
	Field Supervision Supervision sur le terrain		7,521.06
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Mag, VLF,		
	Gridwork		148,726.48
Supplies Used Fournitures utilisées	Type Fuel, General,		
	Camp gear,		
	Ski-doos		2,342.77
Equipment Rental Location de matériel	Type Helicopter		
	support		
			3,034.58
Total Direct Costs Total des coûts directs			161,624.89

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Nil		
	Heli-mob		1,300.00
Food and Lodging Nourriture et hébergement	Nil		
Mobilization and Demobilization Mobilisation et démobilisation	Nakina		8,650.00
Sub Total of Indirect Costs Total partiel des coûts indirects			9,950.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			9,950.00
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)		Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)	171,574.89

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	× 0,50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Senior Project Geologist I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature 	Date February 13, 1992
---------------	---------------------------



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Section
Mining Lands Branch
159 Cedar Street, 4th Floor
P3E 6A5

Toll Free: 1-800-465-3880
Telephone: (705) 670-7264
Fax: (705) 670-7262

Our File: 2.14477
Your File: W9240-00031

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

March 16, 1992

Dear Sir:

**SUBJECT: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS
TB 1138337 ET AL KAWITOS LAKE AREA.**

The assessment work credits for the Geophysical survey, section 14 Mining Act Regulations, submitted on the above work report have been approved as of March 11, 1992.

Please indicate this approval on your records.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

TAA/jl

Enclosures:

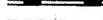
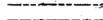
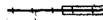
cc: Assessment Files Office
Toronto, Ontario

Resident Geologist
Thunder Bay, Ontario

NOT OPEN FOR STAKING (PROV. PARK)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

LEGEND

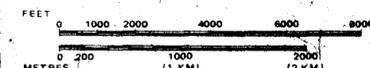
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- OTHER ROADS 
- TRAILS 
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC. 
 - LOTS, MINING CLAIMS, PARCELS, ETC. 
- UNSURVEYED LINES:
 - LOT LINES 
 - PARCEL BOUNDARY 
 - MINING CLAIMS ETC. 
- RAILWAY AND RIGHT OF WAY 
- UTILITY LINES 
- NON-PERENNIAL STREAM 
- FLOODING OR FLOODING RIGHTS 
- SUBDIVISION OR COMPOSITE PLAN 
- RESERVATIONS 
- ORIGINAL SHORELINE 
- MARSH OR MUSKEG 
- MINES 
- TRAVERSE MONUMENT 

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	▣
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	○
RESERVATION	⊙
CANCELLED	⊘
SAND & GRAVEL	⊙
LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 83, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



AREA 2.14477
KAWITOS LAKE

M.N.R. ADMINISTRATIVE DISTRICT
GERALDTON

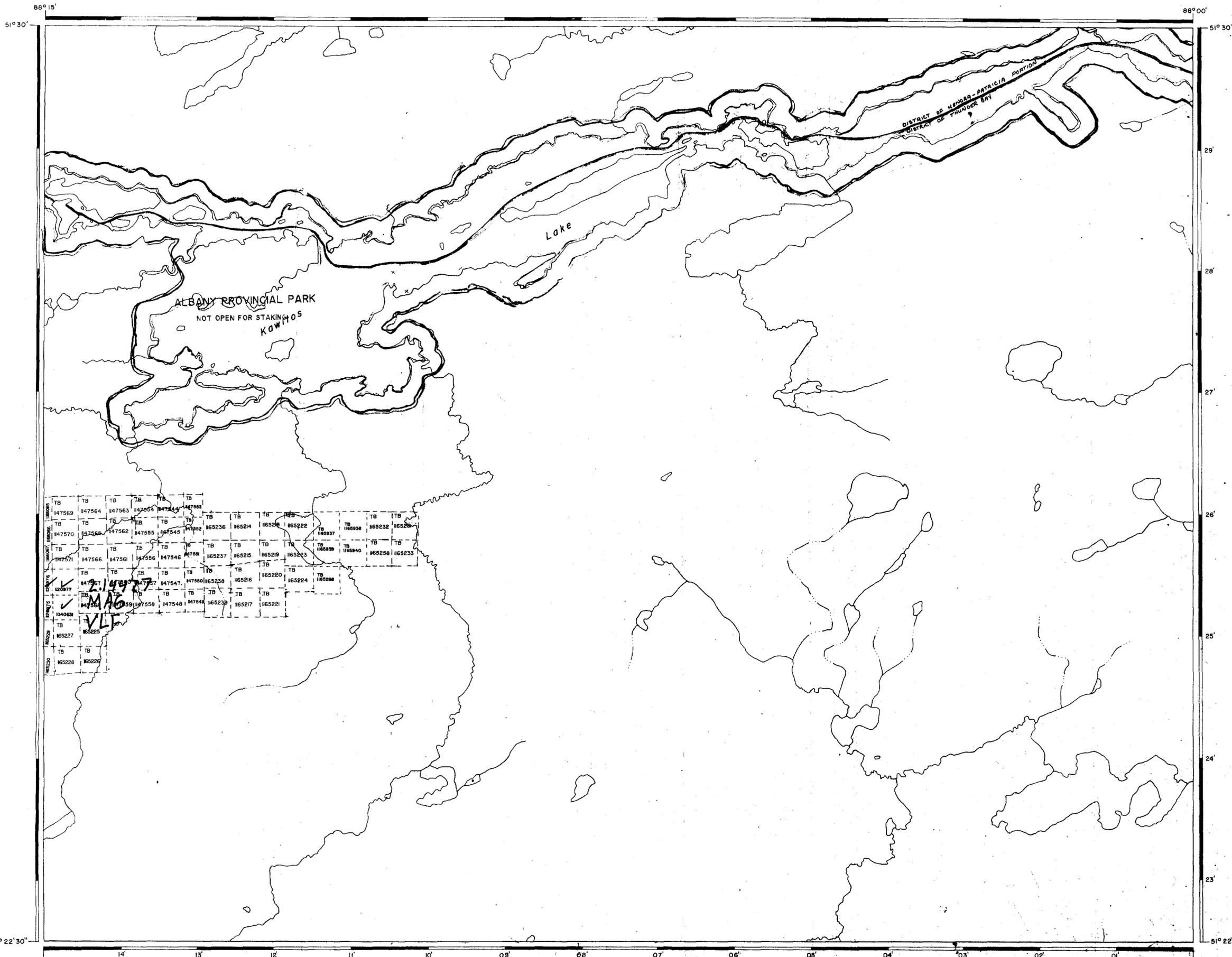
MINING DIVISION
THUNDER BAY

LAND TITLES / REGISTRY DIVISION
THUNDER BAY



9A JULY 14, 1981

G-287



NOT OPEN FOR STAKING (PROV. PARK)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDS, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

LEGEND

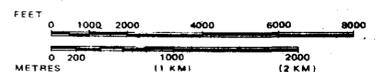
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	○
ORDER-IN-COUNCIL	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

LAND USE PERMITS FOR COMMERCIAL TOURISM OUTPOST CAMPS
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 2, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



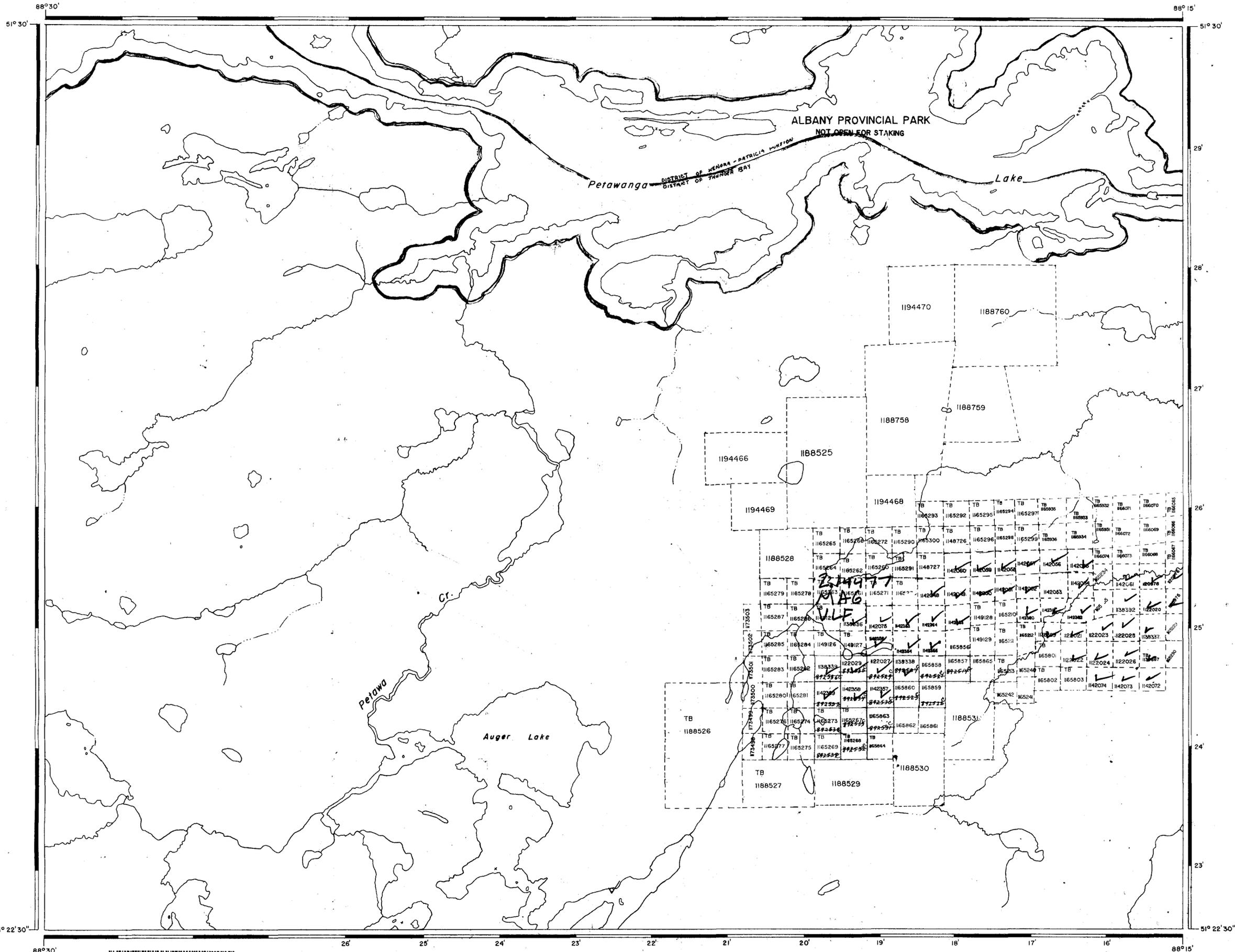
AREA
PETAWANGA LAKE

M.N.R. ADMINISTRATIVE DISTRICT
GERALDTON
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ministry of Natural Resources
Land Management Branch
Ontario

Date **JULY 14, 1981**

Number
G-378



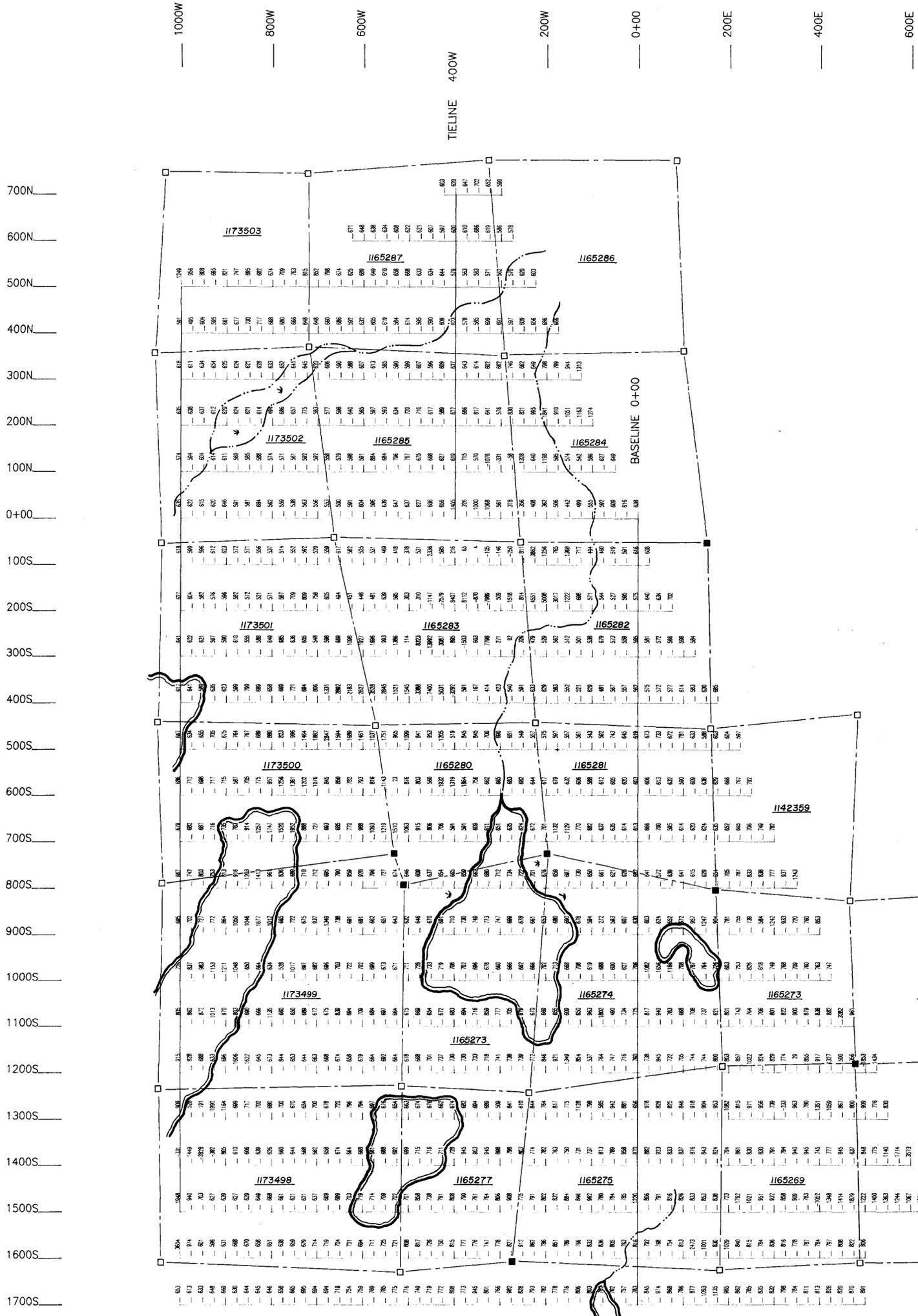
KEEZHIKUNS CREEK G-289

KAWITOS LAKE G-287



5P88NE8882 2.14477 KAWITOS LAKE

Map 13 of 1991 of 1128 Centre of West at 5000.0/22.0W



220

Instrument : OMNI
 Field : TOTAL
 Datum : 59000.0 nT

Contour Interval :

Conductor Azim :

100m 50m 0m 100m 200m

2.14.91

To Accompany Report DATED August, 1991

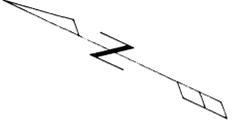
Paul Holger
 MAP 1 SOUTH GRID

FALCONBRIDGE LIMITED
 MAGNETOMETER SURVEY

PROJECT: PARENT OPTION PROJECT # : 540
 BASELINE AZIMUTH : 0 Deg.

SCALE = 1 : 5000 DATE : 3/31/91
 SURVEY BY : NWG NTS : 52 P/8

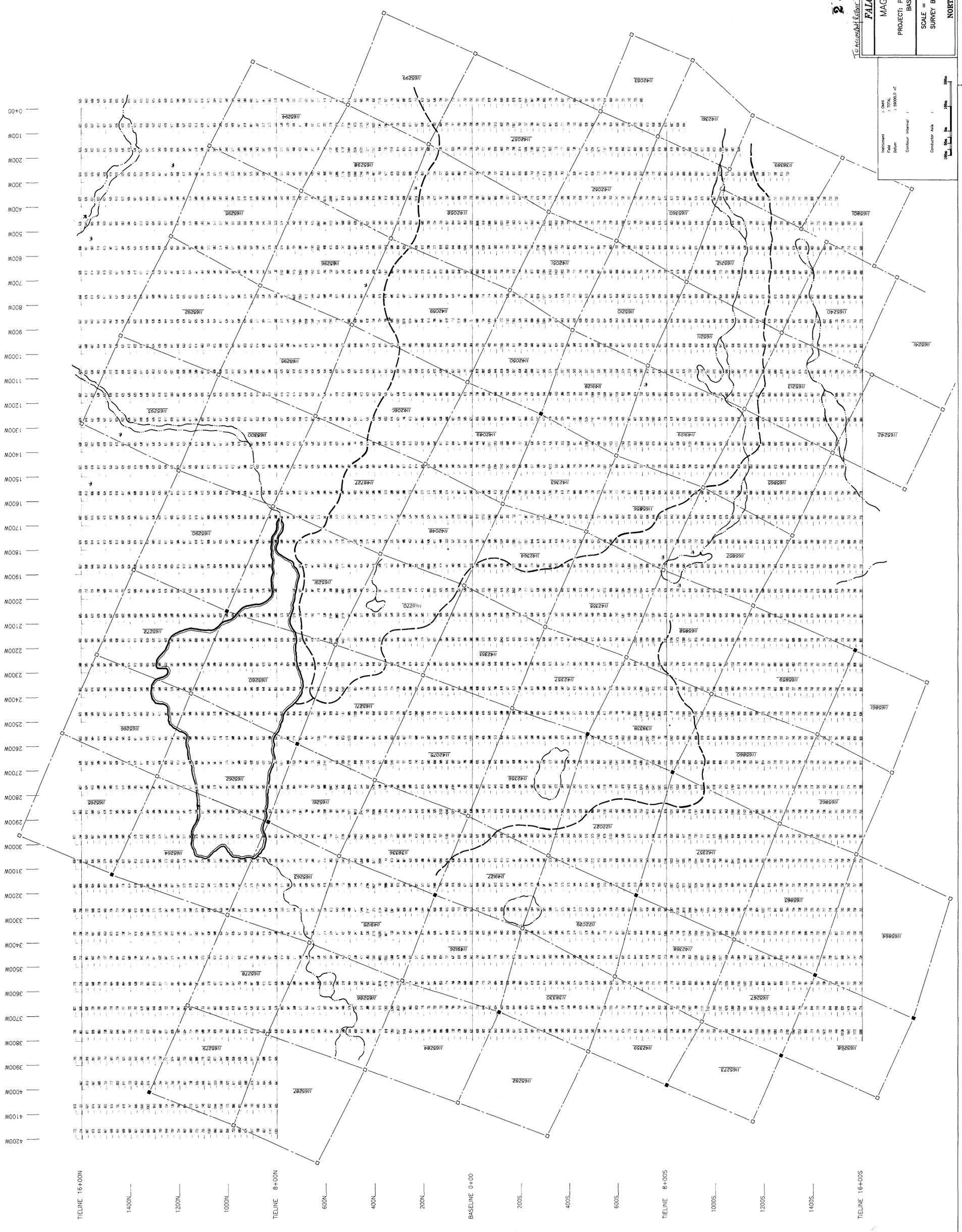
FILE: MSOUTH
NORTHWEST GEOPHYSICS LTD.



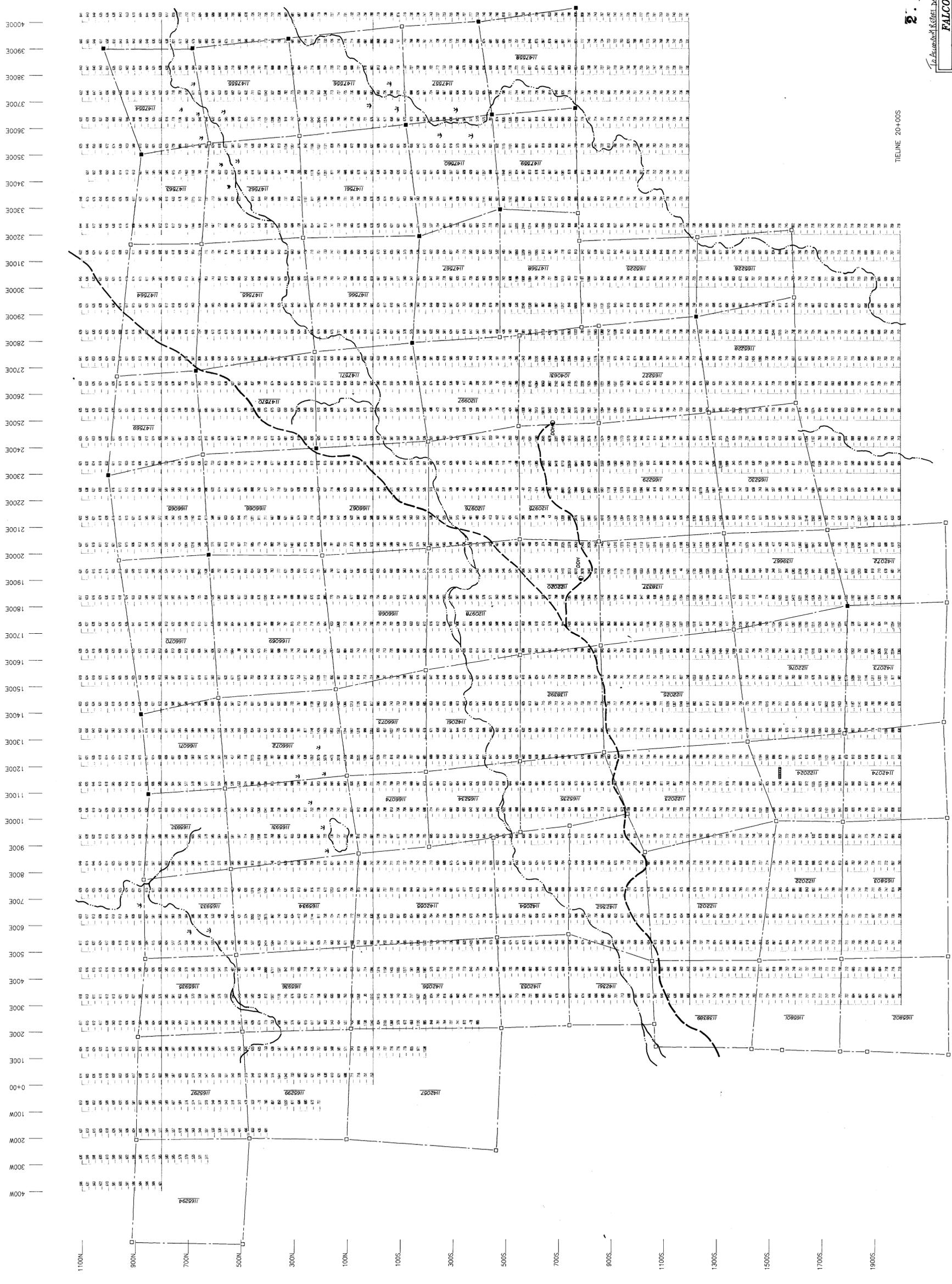
2.1427

2002 WEST ORD

FALCONBRIDGE LIMITED
MAGNETOMETER SURVEY
PROJECT: PARENT OPTION PROJECT # : 540
BASELINE AZIMUTH : 65 Deg.
SCALE = 1 : 5000 DATE : 3/31/91
SURVEY BY : NMG FILE: MWEST
NORTHWEST GEOPHYSICS LTD.



Instrument : Oxi
Date : 3/31/91
Data : 1:50000.ft
Contour Interval :
Conductor Axis :
10m 20m 30m 40m 50m



TELINE 8+00N

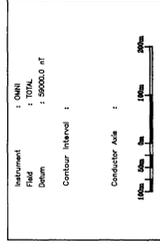
BASELINE 0+00

TELINE 12+00S

TELINE 20+00S

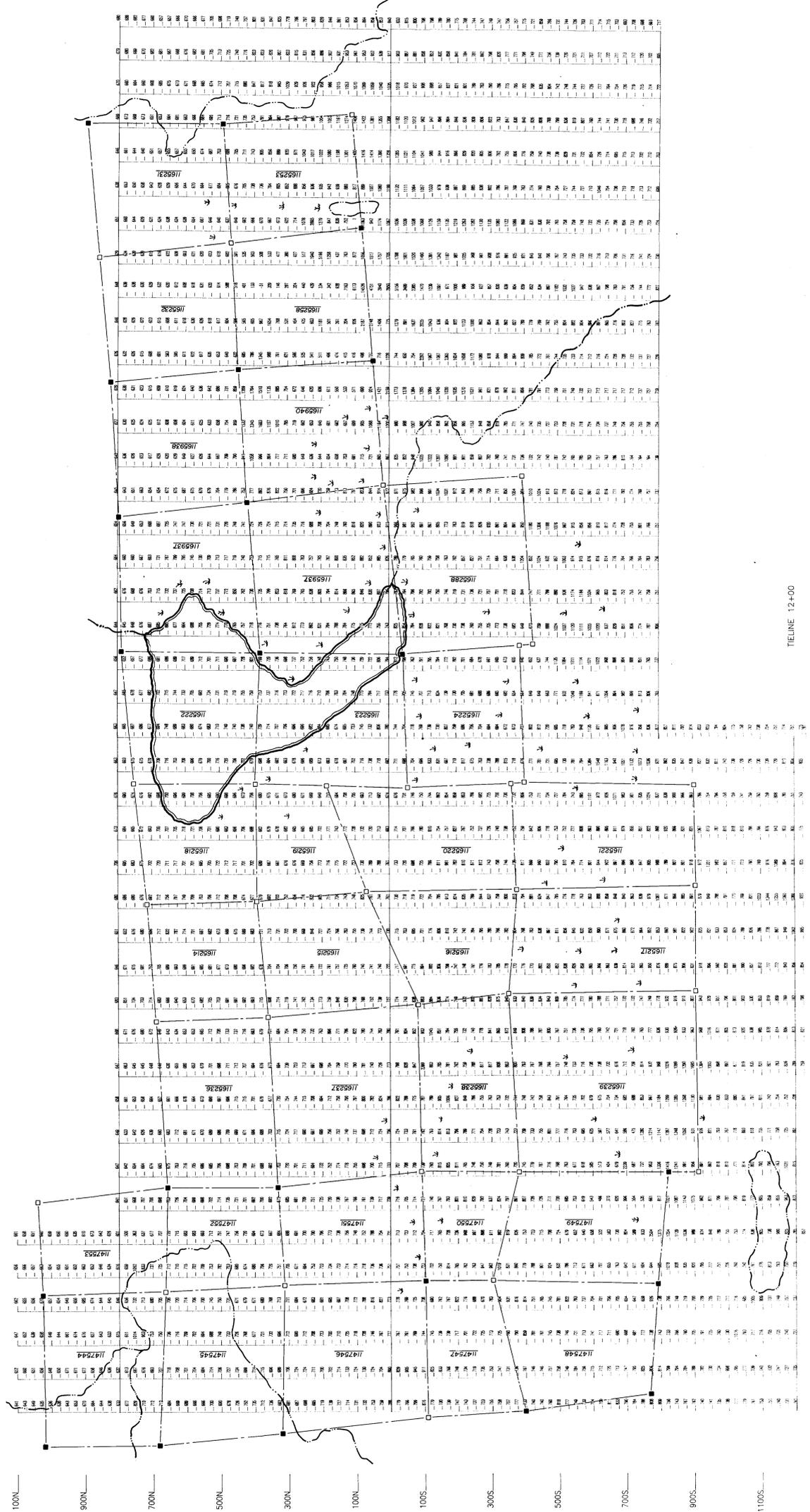
2.14.12
 Falconbridge Limited
 Magnetometer Survey

FALCONBRIDGE LIMITED
 MAGNETOMETER SURVEY
 PROJECT: PARENT OPTION PROJECT # : 540
 BASELINE AZIMUTH : 90 Deg.
 SCALE = 1 : 5000 DATE : 6/18/91
 SURVEY BY : NMG NTS : 52 P/8
 FILE: MEW
 NORTHWEST GEOPHYSICS LTD.

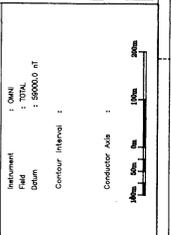


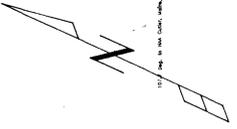


8100E
8000E
7900E
7800E
7700E
7600E
7500E
7400E
7300E
7200E
7100E
7000E
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4700E
4600E
4500E
4400E
4300E
4200E
4100E
4000E



2.14477
FALCONBRIDGE LIMITED
 MAGNETOMETER SURVEY
 PROJECT: PARENT OPTION PROJECT # : 540
 BASELINE AZIMUTH : 90 Deg.
 SCALE = 1 : 5000 DATE : 6/18/91
 SURVEY BY : NWG FILE: MEAS
 NORTHWEST GEOPHYSICS LTD.



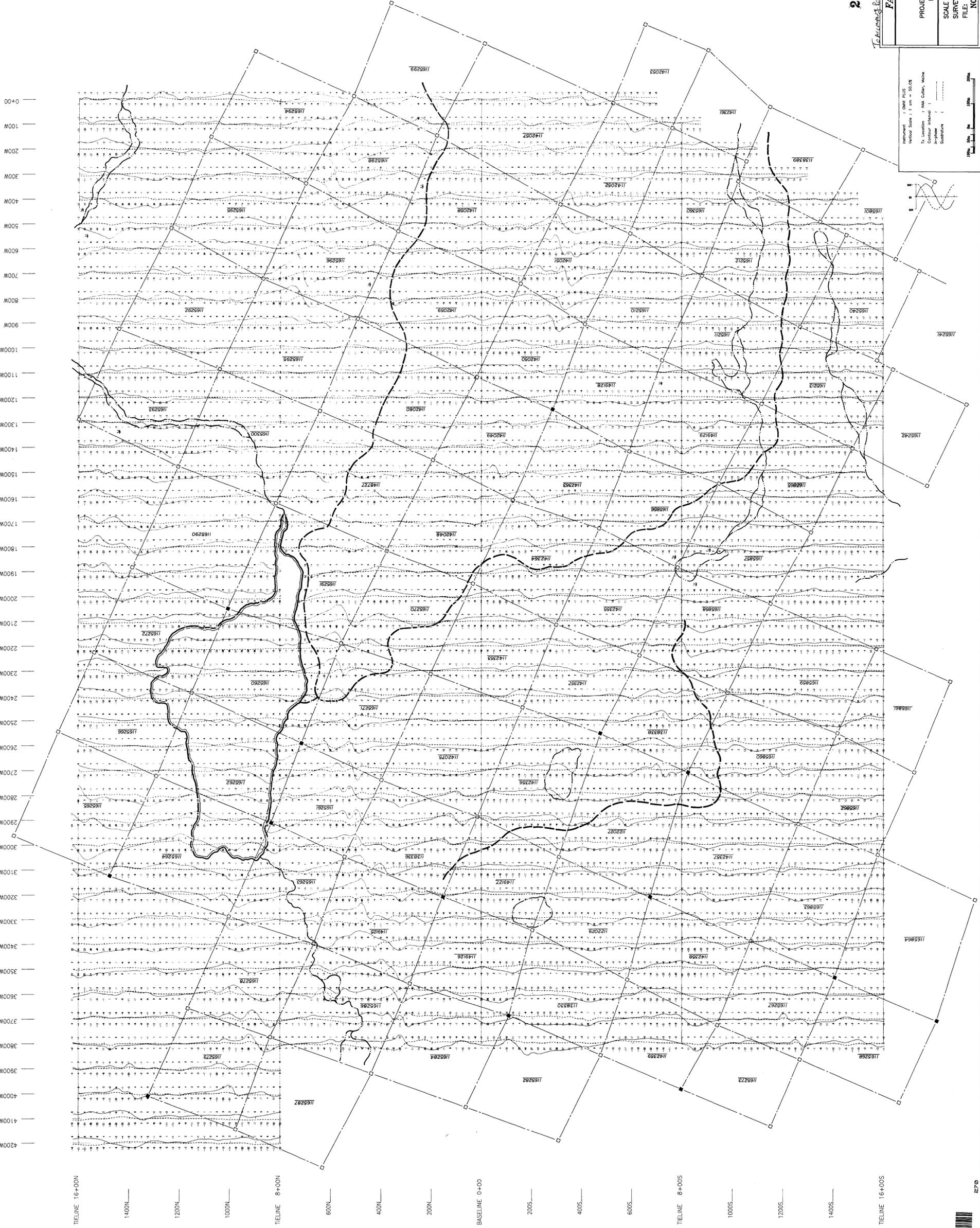


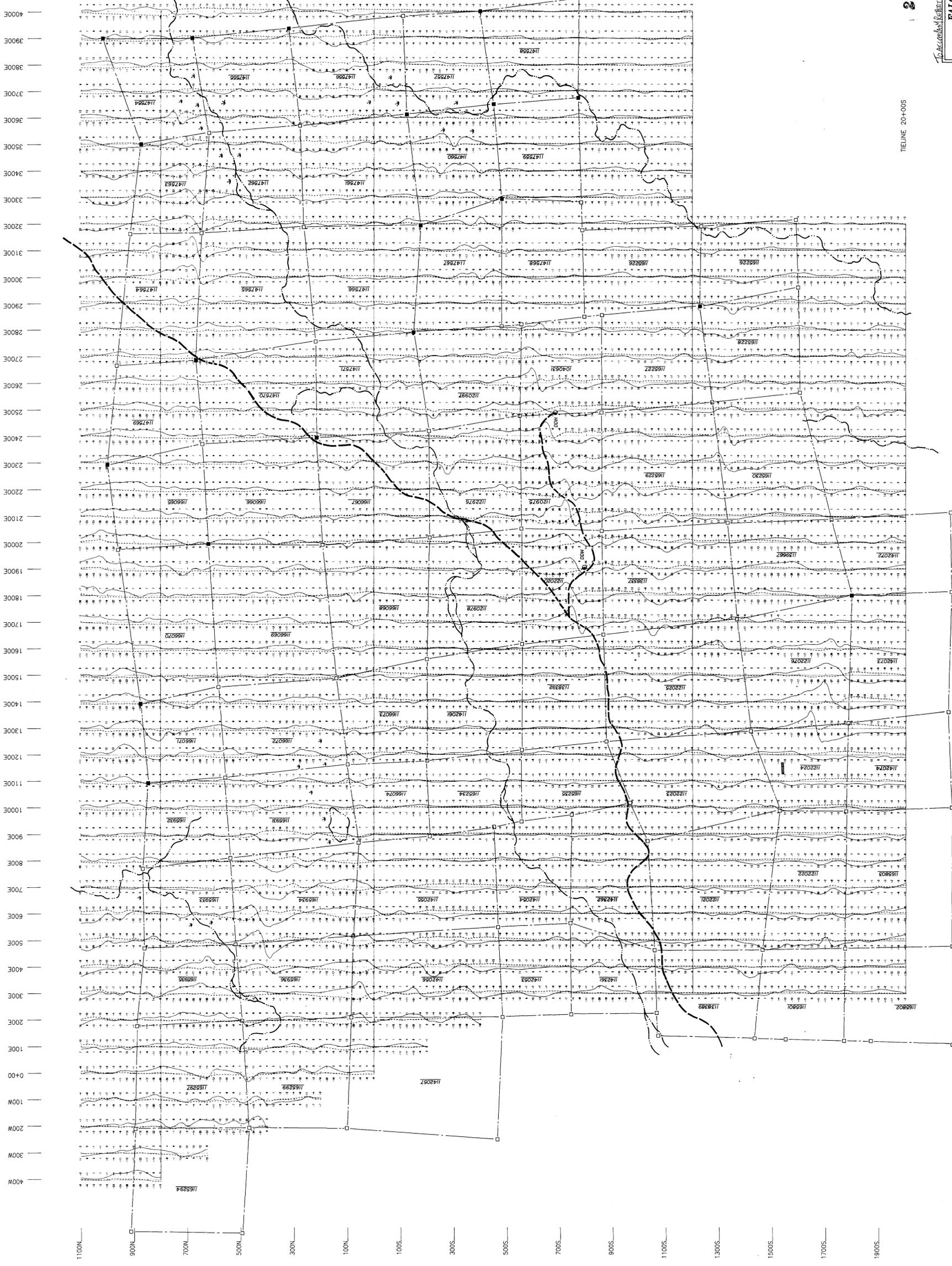
2.14472

Project: Parent Option Project # : 540
Baseline Azimuth : 65 Deg.
Survey By : NWG
Date : 6/16/91
File: WVES240
Frequency: 24.0 KHz.
Northwest Geophysics Ltd.

FALCONBRIDGE LIMITED
VLF-EM SURVEY

Vertical Scale: 1 cm = 50.0m
Tx Location: NA Center, Maine
Baseline Interval: 100m
Orientation: 65 Deg

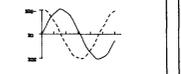




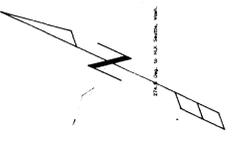
2.14.87

FALCONBRIDGE LIMITED
VLF-EM SURVEY
PROJECT : PARENT OPT. PROJECT # : 540
BASELINE AZIMUTH : 90 Deg.
SCALE = 1 : 5000 DATE : 6/16/91
SURVEY BY : NMG NTS : 52 P/B
FILE : VEW240 FREQ : 24.0 KHz.
NORTHWEST GEOPHYSICS LTD.

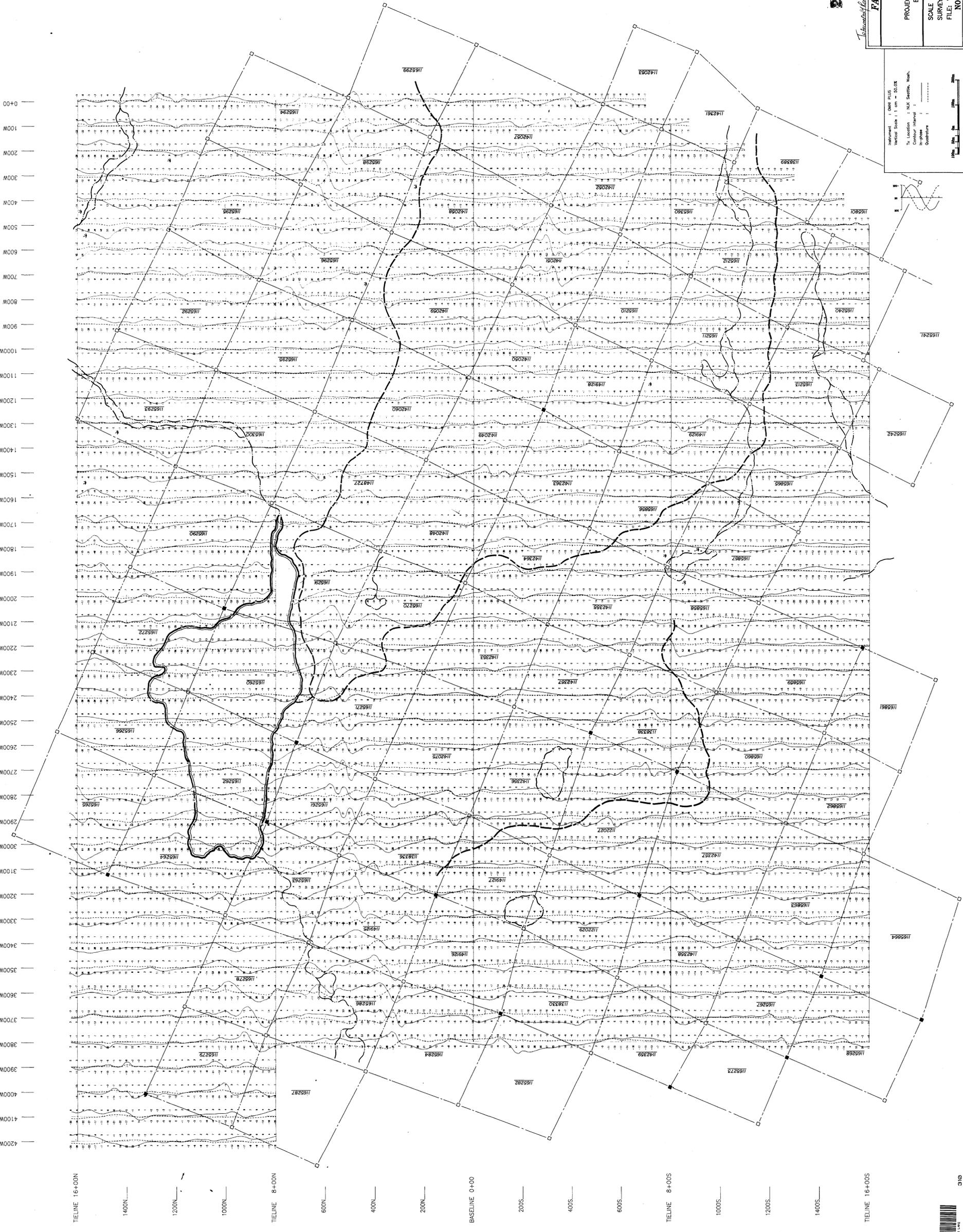
Instrument : OHM PLUS
Vertical Scale : 1 cm = 500 ft
Tx Location : NW Corner, Maine
Contour Interval :
Orientation :
Scale : 1:5000
Date : 6/16/91
Survey By : NMG
File : VEW240
Frequency : 24.0 KHz



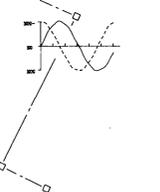
2490




FALCONBRIDGE LIMITED
 PROJECT : PARENT OPTION PROJECT # : 540
 BASELINE AZIMUTH : 65 Deg.
 SCALE = 1 : 5000 DATE : 3/30/91
 SURVEY BY : NWG NTS : 52 P/8
 FILE: WVES248 FREQ.: 24.8 KHz.
 NORTHWEST GEOPHYSICS LTD.



Instrument : OMI 1005
 Vertical Scale : 1 cm = 50.0M
 Tx Location : NIK Station, Wash.
 Contour Interval :
 Outcrops :



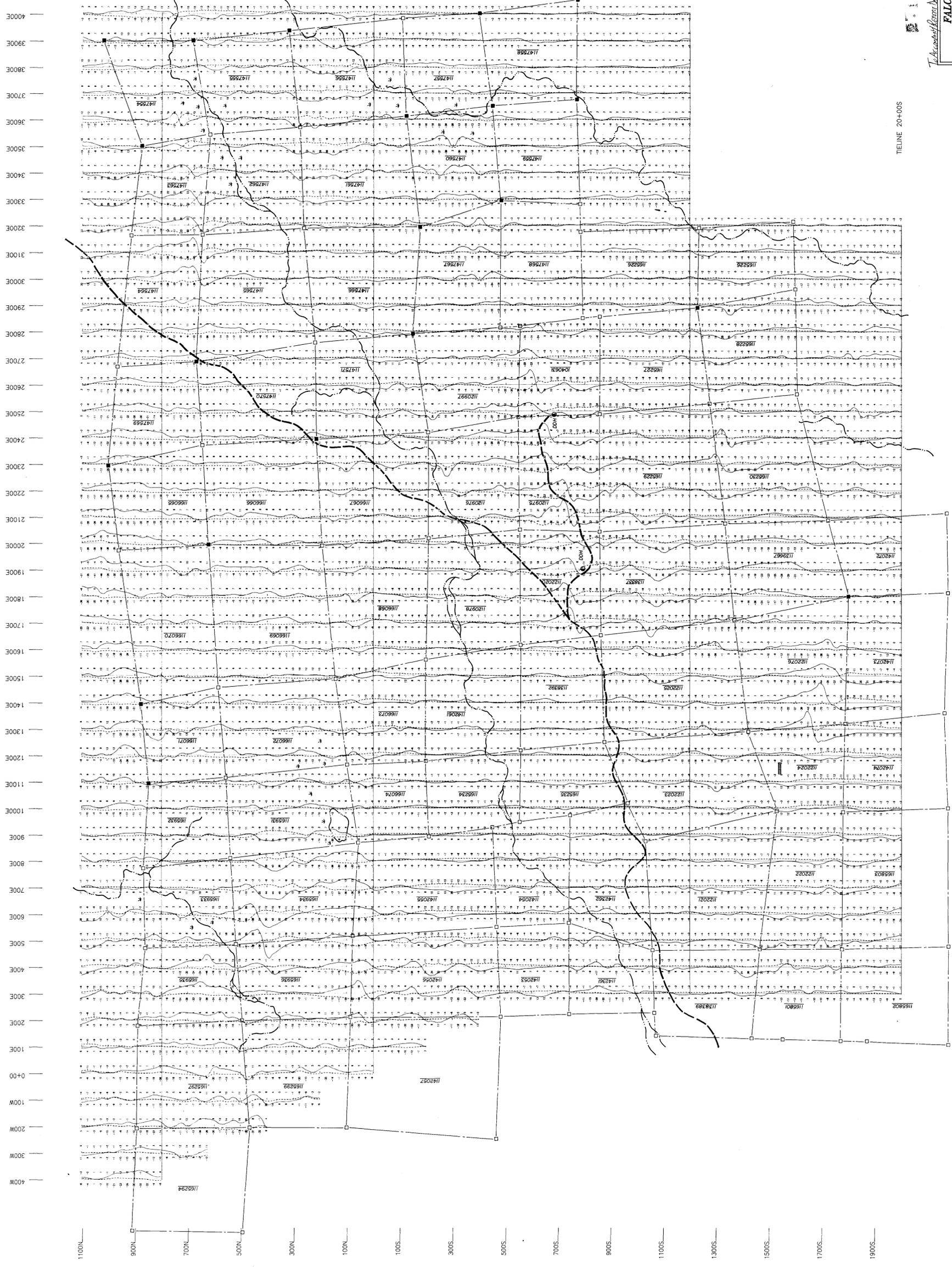


TELINE 8+00N

BASELINE 0+00

TELINE 12+00S

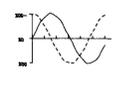
TELINE 20+00S



Northwest Geophysics Ltd.
FALCONBRIDGE LIMITED
 VLF-EM SURVEY

PROJECT : PARENT OPT. PROJECT # : 540
 BASELINE AZIMUTH : 90 Deg.
 SCALE = 1: 5000 DATE : 6/18/91
 SURVEY BY : NMG NTS : 52 P/B
 FILE: V248 FREQ.: 24.8 KHz.
 NORTHWEST GEOPHYSICS LTD.

Instrument : GMR PLUS
 Vertical Scale : 1 cm = 50.0 ft
 Tr. Location : NFK Seattle, Wash.
 Contour Interval :
 Spot Height Interval :
 Contour Interval :
 Spot Height Interval :





TIELINE 8+00N

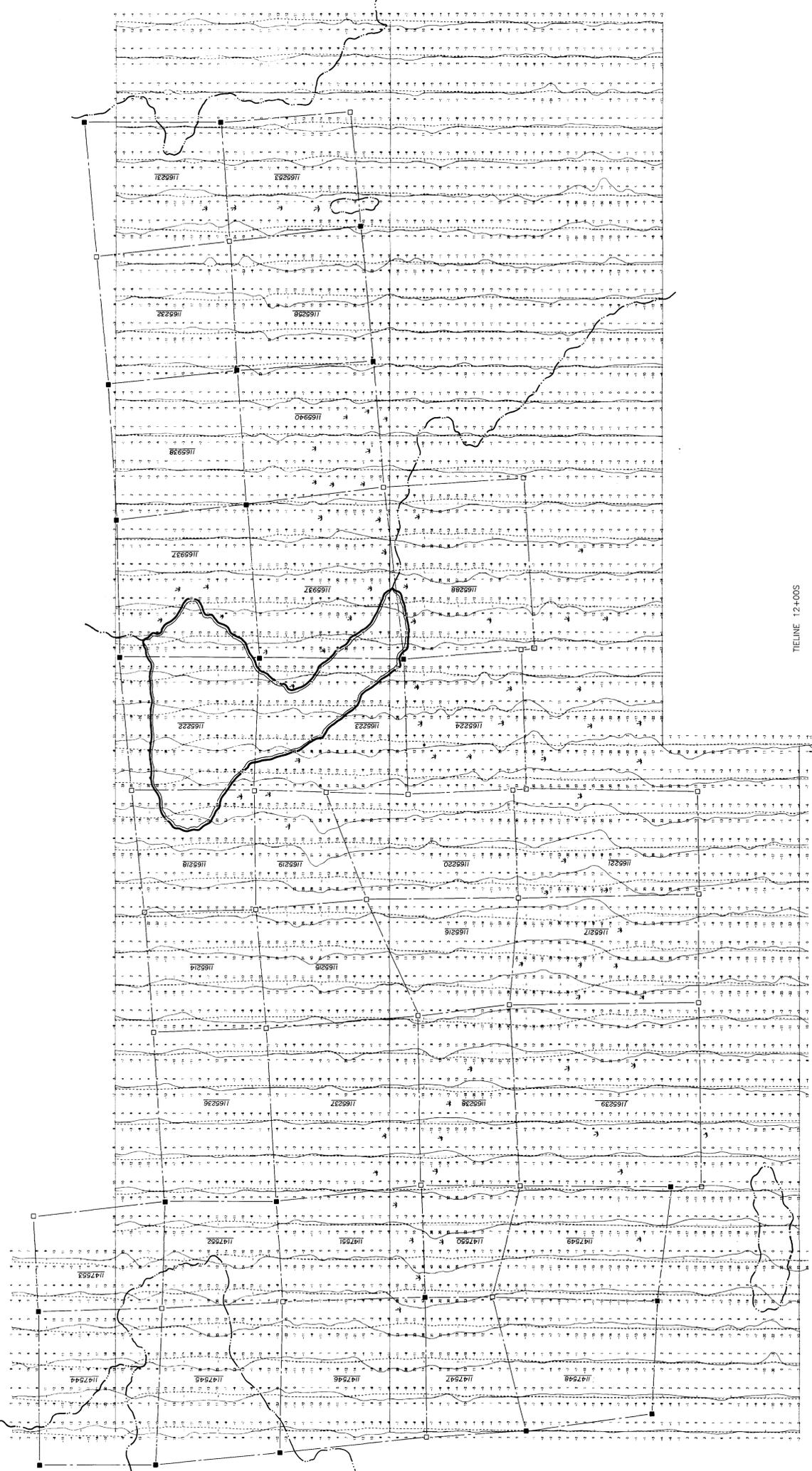
BASELINE 0+00

TIELINE 8+00S

TIELINE 12+00S

8100E
8000E
7900E
7800E
7700E
7600E
7500E
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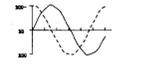
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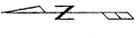


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MAR 12 2005
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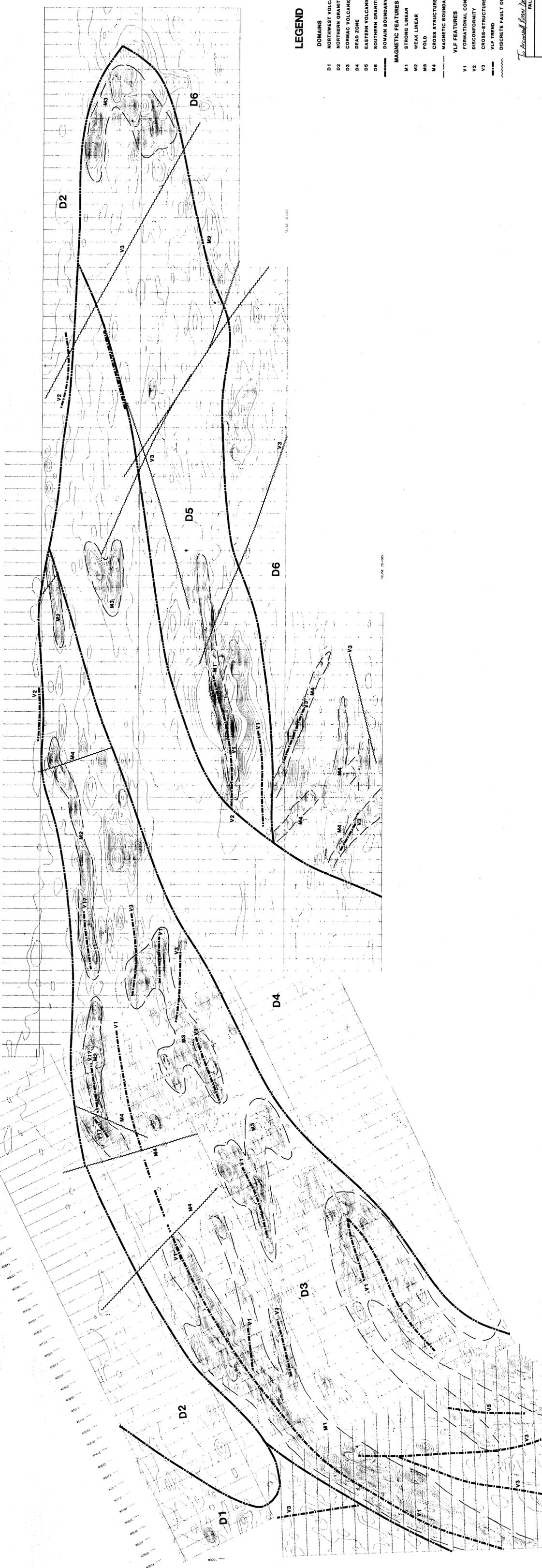
FALCONBRIDGE LIMITED
VLF-EM SURVEY
PROJECT : PARENT OPT, PROJECT # : 540
BASELINE AZIMUTH : 90 Deg.
SCALE = 1: 5000 DATE : 6/18/91
SURVEY BY : NMG NTS : 52 P/8
FILE: VEE FREQ: 24.8 KHz.
NORTHWEST GEOPHYSICS LTD.

Instrument : OMI PLUS
Vertical Scale : 1 cm = 50.0m
Tx Location : NUK Seattle, Wash.
Current Interval :
Pulse Rate :
Orientation :
100m 50m 25m 10m 5m 2m 1m





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LEGEND

- DOMAINS**
- D1 NORTHWEST VOLCANICS
- D2 NORTHERN GRANITE
- D3 CORMAC VOLCANICS
- D4 DEAD ZONE
- D5 EASTERN VOLCANICS
- D6 SOUTHERN GRANITE
- DOMAIN BOUNDARY
- MAGNETIC FEATURES**
- M1 STRONG LINEAR
- M2 WEAK LINEAR
- M3 FOLD
- M4 CROSS STRUCTURE
- MAGNETIC BOUNDARY
- VLF FEATURES**
- V1 FORMATONAL CONDUCTOR
- V2 DISCONFORMITY
- V3 CROSS-STRUCTURE
- VLF TREND
- ~~~~~ DISCRETE FAULT OR FRACTURE

EDA : OMH
 DATUM: 66,000FT
 CONTOUR INTERVAL: 100NT

To: *Academy of Sciences Australia*
 PALOMBRIDGE LIMITED
 MAP 13

DATE	AUGUST 1981	DRAWN	OMH
FIG NO	2228	CHECK	OMH
TOTAL FIELD MAGNETICS		MAGNETIC-VLF INTERPRETATION	