CAMFLO MINES LIMITED

GEOPHYSICAL SURVEY

ON THE

'WEST BLOCK' PROPERTY

HARKER TOWNSHIP, ONTARIO

LARKER LAKE MINING DIVISION

June 1984

Gilles Tousignant, ing. geol.

TABLE OF CONTENTS

I. Introduction

The 'West Block' property of Camflo is located in the central-western part of Harker Township, Northeastern Ontario, Larder Lake Mining Division.

This area is 32 miles east of Matheson, via highway 101, and 2 miles south of the main road. It is easily accessible by secondary timber roads that border it in the east, south and west.

It includes 30 contiguous, unpatented mining claims, numbered from L641387 to L641416, staked for Camflo Mines Limited in February 1982.

II. Regional Geology

Most of the area is underlain by Kewatin volcanics and sediments, cut by basic and ultra basic intrusives, and by an algoman(?) syenite intrusive in the central-western part of the township.

The volcanic rocks are basic to intermediate in composition, and are found as fine to coarse grained flows, as pillow lavas, or as flow and pillow breccias, with thin bands of associated pyroclastics.

Sediments, ranging from argillites to greywackes, sometimes silicified, carbonated and sericitized, and cherty horizons are sometimes intercalated between the different flows. They vary in thickness from a few meters to a few hundred meters. The strike of the different formations goes from N85°E to N60°E, with the tops facing south and a steep south dip.

North of the township, and not outcropping, is a sedimentary unit in contact with the volcanics. along the inferred location of the major Porcupine-Destor fault zone. These sediments, based on the observations made in the adjoining townships, are greywacke, slate, conglomerate and iron formations.

The intrusives are usually diabasic and are often found as sills. Sometimes, however, the coarse grained center of flows can be mistaken for diabasic or dioritic sills, both the lavas and the intrusives being very close in composition. Some north-south, quartz-diabasic dykes were reported by Satterly.

North of the township and of the sediments lies a rhyolitic band, and the Ghostmount ultramafic complex, which is thought by many to be the possible source for the gold found south of the Porcupine-Destor fault.

The main structural feature of the area is the east-west trending Porcupine-Destor fault zone, which is presumed to cross the north part of the township, along the sediments - volcanic contact. The exact location of the break is unknown, due to the lack of exposure, but it has probably been intersected in some diamond drill holes. Many subsidiary strike faults, trending N75°E, are reported and are probably related to the main break.

III. Geology of the Property

Very little is known about the geology of the property, because it is almost completely drift covered. From the geology of the adjoining properties and from the geophysical interpretation, it can be assumed that it is for the most part underlain by basic volcanics. A sedimentary horizon, composed of greywacke and arkose, crosses the south part of the property, but is not outcropping.

Finally, the north-eastern part of the property is underlain by a syenitic intrusive, pink to red in color, from fine to coarse grained, and sometimes quite magnetic. It is locally mineralized with finely disseminated pyrite, but no gold values were reported up to now in this particular intrusive. It could be related to the major intrusive in Garrison Township, around which a few, small ore bodies were mined.

IV. Work Done by Camflo Mines Limited

The following work was completed on the property in 1983:

1 - Line Cutting

30 km. of lines were cut on the property, as lines 100 meters apart, with a station every 25 meters along the lines; a 2.4 km. east-west base line was cut south of the block, and a tie line north of the block.

2 - VLF Survey

A VLF survey was conducted along these lines, using a Geonics EM-16 instrument. The transmitter was the Cutler Station, (NAA) with a 17.8 KHz frequency. All the readings were taken facing north-east, with the positive reading indicating the instrument was pointing north-east and a negative reading when it was pointing south-west. The readings were taken as percentage (i.e. slopes) and used as such for the profiles, but were converted to degrees to calculate the Fraser filter values.

There are 30 VLF anomalies, whose axes have been shown on the accompanying map, and are numbered from 1 to 30. There are also some low response areas, where conductive overburden prevented any penetration to the bedrock.

The anomalies are mostly poor conductors, reflecting the overburden-bedrock effect much more than any real bedrock conductor. They might, indirectly, show geological contacts between two different units, or be the expression of shear zones. The general attitude of the anomalies, (south-east to north-west) shows a series of north-north-east trending cross faults, which are confirmed by the magnetic survey.

The following is a description of the individual anomalies:

Anomaly #	Comments	Priority
1	Weak conductor, 400 m. long, east-west trending, showing a strong but wide cross over. Part of it is out of the property. Check boundaries.	3
2	Very weak anomaly, 800 m.+long, wide cross over with // quadrature response. Parallel but not coincident with a low magnetic axis 50 m. to the north. To be checked.	2
3	Strong, generally wide cross over, with inverse quadrature, showing a good conductor and coincides with a low mag axis. Should be checked further, especially on line 1+00W. Possibly outside of the property.	2
4	Weak, very wide cross over: overburden	4
5	Very weak, 250 m. long anomaly, very wide cross over, with reversed quadrature. The anomaly axis is doubtful. Check in the field.	3
6	Weak and sometimes very wide cross over, with parallel quadrature cross over. Overburden.	4
7	300 m.+ long, best on line 6+00W, more or less coincident with a low mag. axis. Check in the field.	3
8	Wide, weak to very weak anomaly, 1500 m.+ long, crosses most of the property; even if the east part of the anomaly is almost coincident with a low mag. axis, it is probably due to overburden. (Valley?)	4
9	700 m. long anomaly, parallel to #8. Weak wide cross over, with parallel quadrature cross over, except on line 13+00W, where it looks better. It is striking across the magnetic trend.	3
10	Weak and very wide cross over, often with parallel quadrature response. 1400+ m. long parallel to anomaly #8, east part coincident with a low mag axis. Overburden effect? Check in the field.	3

Anomaly #	Comments	Priority
11	Wide cross over, but with reversed quadrature cross over. Best on lines 5W and 8W. 350 m.+ long. Check in the field.	2
12	Could be the continuation of #11, 150m. long. Very wide cross over, multiple conductors. To be checked.	3
13	Weak anomaly, 150 m. long, no coincident quadrature variation, probably overburden.	4
14	Weak, very wide cross over, with weak sometimes parallel quadrature response; 500 m. long. Central part is almost coincident with a magnetic axis. Could be geological contact.	3
15	Very poor anomaly 400 m. long, wide and/or weak cross over, often with parallel quadrature response. Almost parallel to #14 anomaly.	4
16	Fair to weak anomaly, 300 m. + long, wide cross overs; conductive overburden.	4
17	100 m. + anomaly, parallel to magnetic trend weak quadrature response, possible outcrop area. Check in the field.	3
18	Very weak, 500 m. + long anomlay, wide cross over, with frequent parallel quadrature response.	4
19	200 m. long, good cross overs, but with parallel quadrature, corresponds to a low mag. Possibly geological contact. Check.	2
20	400 m. long, weak to fairly strong, but wide cross over, with inverse quadrature, the west part coincides with a high mag anomaly. To be checked in the field.	2
21	200 m. long, fair to weak cross over, possibly joins #20, best on line 14+00W, where it is coincident with a low mag axis. Check in the field.	2
22	300 m. long, parallel to #23 and partly masked by it; parallel quadrature response. Overburden effect.	4

Anomaly #	Comments	Priority
23	400 m. long, weak and usually wide to very wide cross over, no magnetic coincident. Overburden.	4
24	300 m. long, weak and wide cross over.	4
25	100 m. +, strong in phase and weak quadrature response, corresponding to a higher mag axis. To be checked.	2
26	200 m. long, weak and wide cross over, with parallel quadrature cross over. Coincident with a weak mag axis. Possible geological contact.	3
27	400 m.+ long, strong but wide cross over, trends across the mag axis.	3
28	400 m.+, strong but wide cross over, parallel quadrature response; overburden.	4
29	300 m.+, weak and wide cross over, parallel quadrature. Poor conductor. Overburden.	4
30	300 m.+, weak to strong, but wide cross over. Shear zone?	3

As can be seen, no anomaly is classified as being a first priority anomaly. None of these would justify diamond drilling based on the EM-16 survey only.

The second priority anomalies are worth being checked in the field, and could justify the use of a more sophisticated method.

The third and fourth priority anomalies do not present too much interest, even if a check in the field can be useful in some cases.

3 - Magnetic Survey

A magnetic survey was conducted along the same grid, with readings taken every 25 m. along the lines, and at 12.5 m. intervals where anomalous values were encountered.

The instrument used was a MP-2 proton magnetometer from Scintrex, and the diurnal corrections were made by comparing with a compatible base station. The total field was measured, and the values, minus 58,000 were plotted on the accompanying map. Total instrument and operator's error is less than 10 gammas.

The highly magnetic horizon shown on the contoured map, south of the property, is interpreted as being the continuation of the magnetic flows found south of the McDermott Property. The lower values north of the horizon represent the sedimentary horizon that is the continuation of those found on the old Imperial Reserve (Canamax) and Demers properties. North of the sediments, more or less magnetic volcanic flows are present, with the syenite intrusion, which is reported to be magnetic, showing in the north-east corner of the property.

The magnetic axis also shows a series of north - north-east cross faults, with a left hand movement. Even if individually these displacements are small, the overall result is not negligeable.

V. Conclusion

The geophysical surveys, and particularly the mag survey, are a big help in understanding the geology of this area, and confirm the geology as shown on Satterly's map.

The VLF survey, on the other hand has to be used with care, as the conductive overburden can give surface anomalies, and mask the real conductor. However, it can still be useful for structural and geological interpretation.

Any diamond drilling in this area should be based mostly on the magnetic and geological interpretation, unless a more sophisticated geophysical survey gives more reliable anomalies.

Respectfully submitted,

Gilles Tousignant

Gilles Tousignant, ing. geol.
June 14, 1984

CERTIFICATE OF QUALIFICATION

I, Gilles Tousignant, of the city of Val d'Or, province of Quebec, do hereby certify that:

- I graduated from l'Ecole Polytechnique de Montréal, in 1973, with a B.A.Sc in geology.

- I am a member of the Quebec Order of Engineers.

- Since 1973, I have been involved in mineral exploration, development and production with various companies.

- I am employed by Camflo Mines Limited as Project Manager.

- I supervised and I had personal knowledge of the various surveys conducted in 1983 on the company's property in Harker Township, North-eastern Ontario.

Gilles Tousignant

Gilles Tousignant, ing. geol.

June 11, 1984

Lands Man. Branch

Ministry of Natural Resources
Ontario

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

(File L 641382)

32D12SW0081 2.6827 HARKER

900

The Mining Act

#180
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columns.

– Do not use shaded areas below.

Type of Survey(s)	Township or Area
GEOPHYSICAL	HARKER TOWNSHIP

Claim Holder(s)	Prospector's Licence No.
CAMFLO MINES LIMITED	T 834

Address: SUITE 3001, ROYAL BANK PLAZA, SOUTH TOWER, P.O. BOX 45, TORONTO, ONTARIO M5J 2J1

Survey Company	Date of Survey (from & to) Day / Mo. / Yr. / Day / Mo. / Yr.	Total Miles of line Cut
--	01 07 83 / 30 09 83	20 miles

Name and Address of Author (of Geo-Technical report): Gilles Tousignant, 615 Central Avenue, Val D'Or, Quebec, J9P 1P9

Credits Requested per Each Claim in Columns at right

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

RECEIVED
JUN 01 1984
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	641387	
	641388	
	641389	
	641390	
	641391	
	641392	
	641393	
	641394	
	641395	
	641396	
	641397	
	641398	
	641399	
	641400	
	641401	
	641402	
	641403	
	641404	
	641405	
	641406	
	641407	
	641408	
	641409	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	641410	
	641411	
	641412	
	641413	
	641414	
	641415	
	641416	

LARDER LAKE MINING DIV.
RECEIVED
MAY 17 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

see revised statement

Total number of mining claims covered by this report of work: 30

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1800	MAY 17 1984	
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)
May 15, 1984	

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
M.E. Holt, Camflo Mines Limited, Suite 3001, Royal Bank Plaza, South Tower, P.O. Box 45
Toronto, Ontario M5J 2J1

Date Certified	Certified by (Signature)
May 15, 1984	

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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

Type of Survey(s) MAGNETOMETER & EM. 16 VLF

Township or Area HARKER TOWNSHIP

Claim Holder(s) CAMFLO MINES LIMITED

SUITE 3001, SOUTH TOWER, ROYAL BANK PLAZA, TORONTO.

Survey Company AS ABOVE

Author of Report GILLES TOUSIGNANT

Address of Author 245' LA CANADIENNE, VAL D'OR QUEBEC.

Covering Dates of Survey SEPT 11 to OCT 8/83 & FEB 6 to 14/84
(linecutting to office)

Total Miles of Line Cut 20.1

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	--Electromagnetic	40
	--Magnetometer	20
ENTER 20 days for each additional survey using same grid.	--Radiometric	
	--Other	
	Geological	
	Geochemical	

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

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

DATE: June 26/84 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications 2.6368
1 4808

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	641387
L	388
	389
L	390
	391
L	392
	393
L	394
	395
L	396
	397
L	398
	399
L	400
	401
L	402
	403
L	404
	405
L	406
	407
L	408
	409
L	410
	411
L	412
	413
L	414
	415
L	641416

If space insufficient, attach list

RECEIVED
JUL 11 1984
MINING LANDS SECTION

TOTAL CLAIMS 30

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations E.M. 1200 MAG. 1200 Number of Readings E.M. 1200 MAG. 1248

Station interval E.M. 25m. MAG 25m & 12.5m Line spacing E.M 100m. MAG. 100m.

Profile scale E.M. 1:1250

Contour interval 250 gamma MAG.

MAGNETIC

Instrument SCINTREX MP-2 PROTON MAGNETOMETER

Accuracy – Scale constant ± 10 gammas

Diurnal correction method COMPATIBLE BASE STATION

Base Station check-in interval (hours) 5 hrs. approx.

Base Station location and value

ELECTROMAGNETIC

Instrument GEONICS EM-16

Coil configuration

Coil separation

Accuracy ± 1%

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

Frequency 17.8 kHz CUTLER, MAINE (specify V.L.F. station)

Parameters measured The vertical in-phase component & the vertical out-of-phase component (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 _____

_____

_____

_____

_____

_____

_____

_____

_____

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.6827

Date 1984 08 01

Mining Recorder's Report of Work No. 180

Recorded Holder
CAMFLO MINES LIMITED

Township or Area
HARKER TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	L 641395 to 406 inclusive 641410 to 416 inclusive
Electromagnetic 40 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

20 DAYS CREDIT

L 641408

10 DAYS CREDIT

L 641407, 641409

No credits have been allowed for the following mining claims

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

L 641387 to 394 inclusive

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.6827

Date 1984 08 01

Mining Recorder's Report of Work No. 180

Recorded Holder: CAMFLO MINES LIMITED

Township or Area: HARKER TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	L 641395 to 406 inclusive
Magnetometer 20 days	641410 to 416 inclusive
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

10 DAYS CREDIT

L 641408

5 DAYS CREDIT

L 641407
641409

No credits have been allowed for the following mining claims

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

L 641387 to 394 inclusive

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

828 (83/6)

Ministry of
Natural
Resources

Ontario

Aug 16/84

1984 08 01

Your File: 180
Our File: 2.6827

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Isherwood:mc

Encls.

cc: Camflo Mines Limited
Suite 3001
Royal Bank Plaza
South Tower
P.O. Box 45
Toronto, Ontario
M5J 1J1

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1984 08 01

2.6827/180

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

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

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

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

CAMFLO MINES LIMITED

Executive Offices:
Suite 3001, South Tower
P.O. Box 45, Royal Bank Plaza
Toronto, Ontario, Canada M5J 2J1
(416) 865-0005

July 11, 1984

Land Management Branch
Ministry of Natural Resources
Room 6610, Whitney Block
99 Wellesley St. West
Toronto, Ontario
M7A 1W3

Re: Camflo West Block P#161 & Camflo East P#162

Dear Sirs

It is my understanding that Mr. George Koleszar, Mining Recorder for the Kirkland Lake District has forwarded our work submission on the above mentioned projects to your office. Enclosed herewith is the following:

East Block: Technical Report - 1 copy
Map, VLF EM-16 Profiles - 2 copies
Map, Contoured Magnetometer - 2 copies

West Block: Technical Report - 1 copy
Map, VLF EM-16 Profiles - 2 copies
Map, Contoured Magnetometer - 2 copies

Trusting everything is to your satisfaction.

Yours very truly
CAMFLO MINES LIMITED

C.A. Mathews

Ms. C.A. Mathews
Exploration

Enc.

1984 06 13

Your File: 180
Our File: 2.6827

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received maps only for a Geophysical (Electromagnetic & magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L 641387 et al in the Township of Harker.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours sincerely,

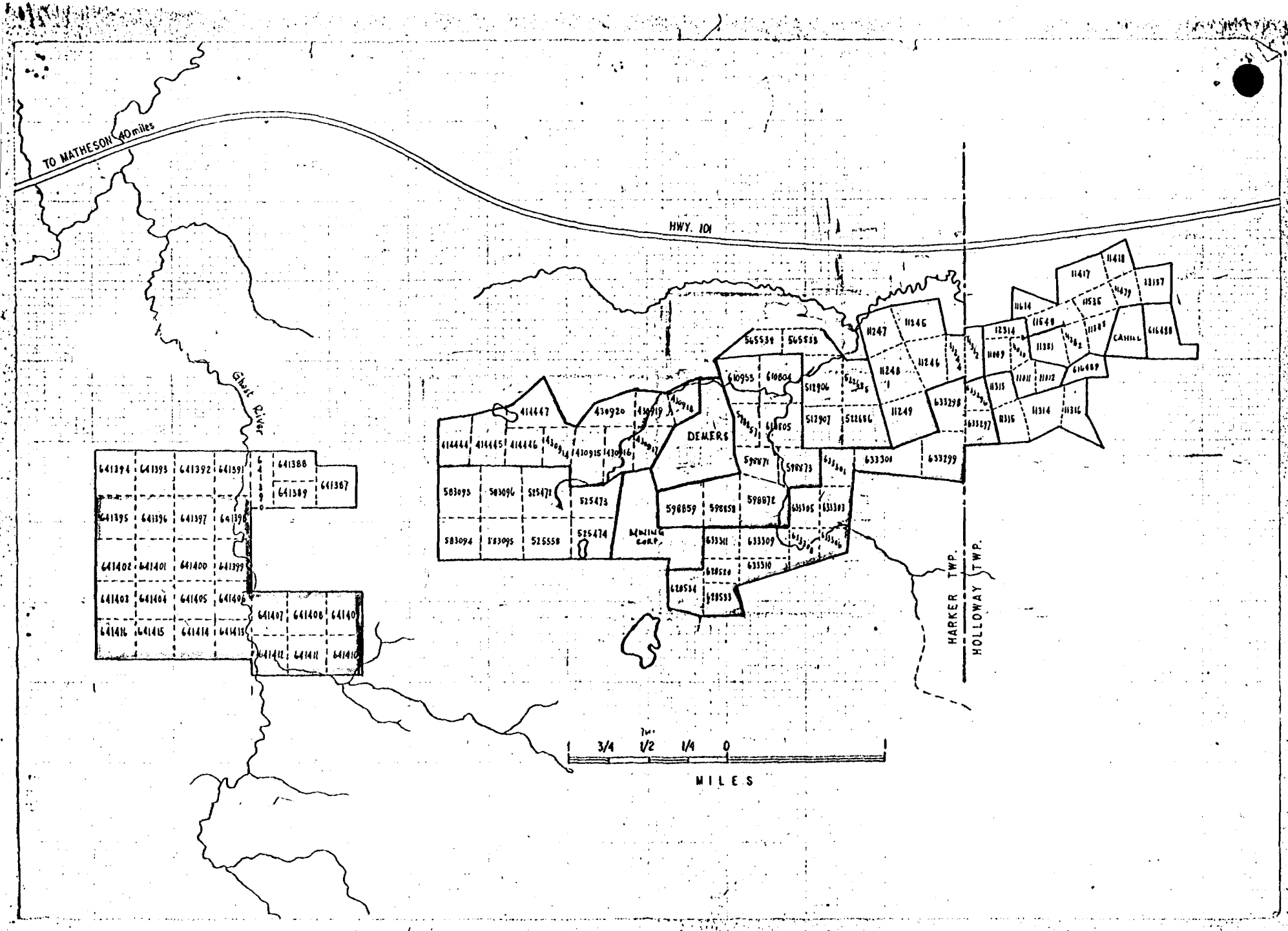
S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965 1380A

A. Barr:sc

cc: Camflo Mines Limited
Suite 3001
Royal Bank Plaza
South Tower
P.O. Box 45
Toronto, Ontario
M5J 1J1

cc: Gilles Tousignant
615 Central Avenue
Val D'Or, Quebec
J9P 1P9


TO MATHESON 40 miles
HWY. 101
Ghost River
DEMERS
MINING CORP.
HARKER TWP.
HOLLOWAY TWP.
3/4 1/2 1/4 0
MILES

CAMFLO MINES LIMITED

Executive Offices:
Suite 3001, South Tower
P.O. Box 45, Royal Bank Plaza
Toronto, Ontario, Canada M5J 2J1
(416) 865-0005

June 28, 1984

Mr. George Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Re: Camflo West Block #161; Your File #2.6827

As per our submission of May 15 I am herewith sending you a full report of work along with a technical report and accompaning maps.

Trusting everything is to your satisfaction.

Yours very truly
CAMFLO MINES LIMITED

C Mathews

Ms. C.A. Mathews
Exploration

Enc.

2.6827

Mining Lands Section

Control Sheet

File No 2.6827

TYPE OF SURVEY ✓ GEOPHYSICAL

_____ GEOLOGICAL

_____ GEOCHEMICAL

_____ EXPENDITURE

MINING LANDS COMMENTS:

~~[illegible]~~

~~please check the maps. Overlap~~

Doug

Signature of Assessor

23/07/84

Date

LD

1984 08 27

Your File: 180
Our File: 2.6827

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Notice of Intent dated August 1, 1984.
Geophysical (Electromagnetic & Magnetometer)
Survey on Mining Claims L 641387 et al in the
Township of Harker.

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-6918

D. Isherwood:sc

cc: Camflo Mines Limited
Suite 3001
Royal Bank Plaza
South Tower
P.O. Box 45
Toronto, Ontario
M5J 1J1

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

cc: Resident Geologist
Kirkland Lake, Ontario

2.6827

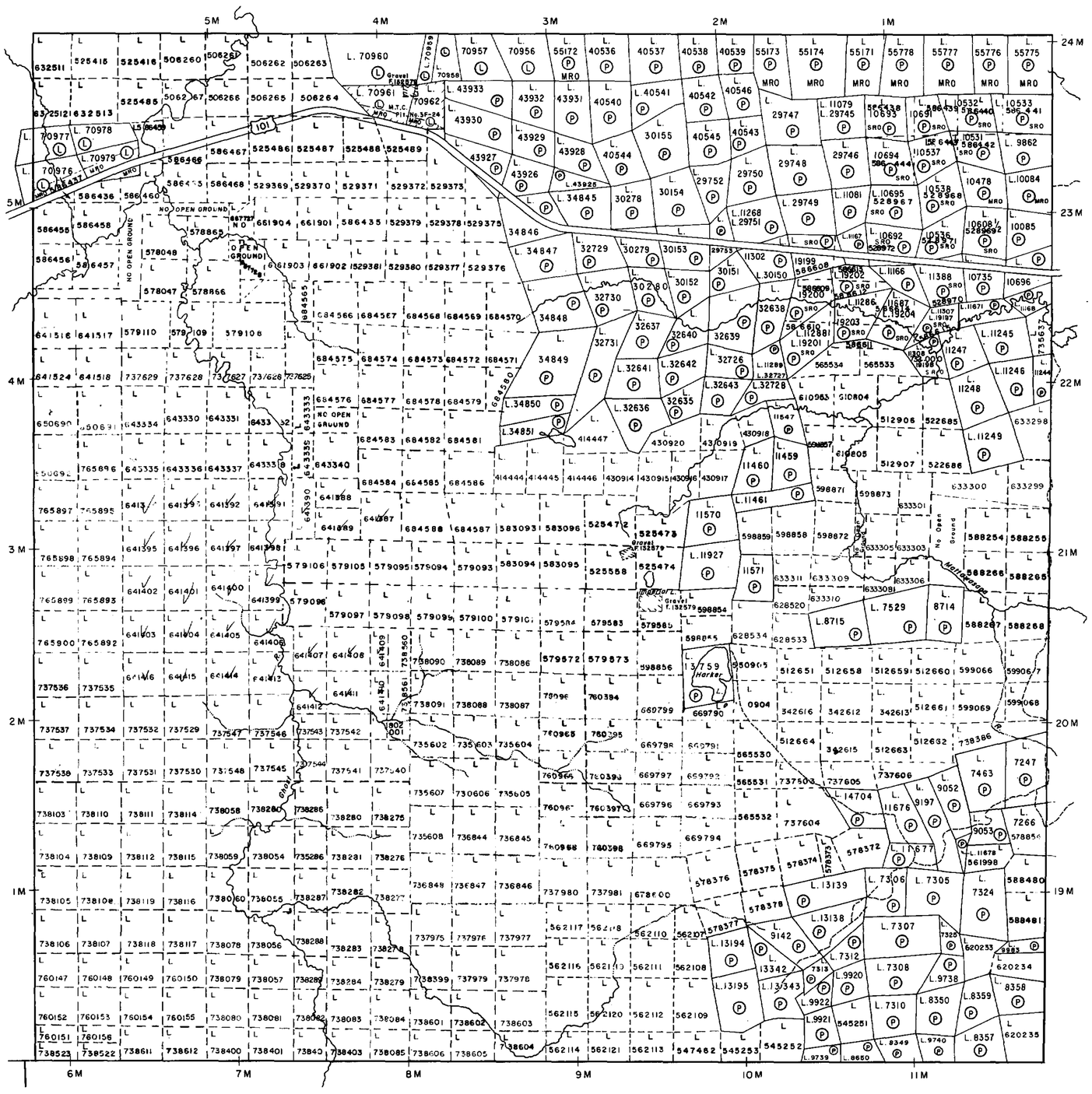
	Em	mag
64138		
388		
389		
390		
391		
392		
393		
394		
395	✓	✓
396	✓	✓
397	✓	✓
398	✓	✓
399	✓	✓
400	✓	✓
401	✓	✓
402	✓	✓
403	✓	✓
404	✓	✓
405	✓	✓
406	✓	✓
407	3/4	3/4
408	2/4	2/4
409	3/4	3/4
410	1/4	1/4
411	✓	✓
412	✓	✓
413	✓	✓
414	✓	✓
415	✓	✓
416	✓	✓

LAMPLUGH TWP. M-358

GARRISON TWP. M-349

HOLLOWAY TWP. M-356

ELLIOTT TWP. M-347



THE TOWNSHIP
OF

HARKER

DISTRICT OF
COCHRANE

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	● or (P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.
PATENTED S.R.O.	(P)

NOTES

400' Surface Rights reservation along the shores of all lakes and rivers.

DATE OF ISSUE
JUL 24 1984
Ministry of Natural Resources
TORONTO

PLAN NO. M-353

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

641395 641396 641397 641398

641402 641401 641400 641399

641403 641404 641405 641406

641416 641415 641414 641413 641407 641408 641409

641412 641411 641410

North Tie Line

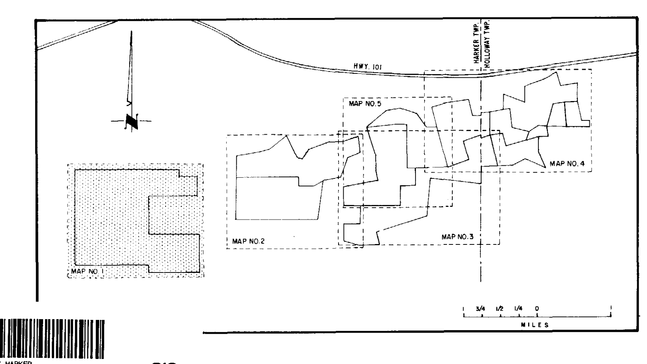
Base Line

20+00W 19+00W 18+00W 17+00W 16+00W 15+00W 14+00W 13+00W 12+00W 11+00W 10+00W 9+00W 8+00W 7+00W 6+00W 5+00W 4+00W 3+00W 2+00W 1+00W 0+00

F L O O D E D

A R E A

MAP AREA NO.1



2184 Magnetometer readings in gammas, values plotted are total field less 58,000 gammas.

MAY 15, 1984

CAMFLO MINES LTD.

McDERMOTT PROJECT 2.6827

HARKER & HOLLOWAY TWPS ONT

MAGNETOMETER SURVEY

Scale 1:2500

50 0 50 100 150

Metres

DATE: OCT '83	DRAWN BY: R.J.H	NTS NO. 32 D/12	PROJ NO. P-135

North Tie Line

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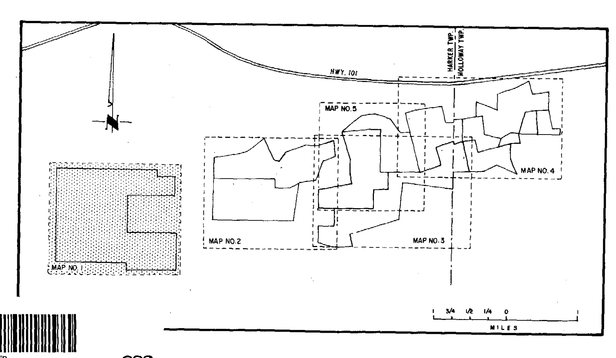
FLOODED AREA

Base Line

20+00W 19+00W 18+00W 17+00W 16+00W 15+00W 14+00W 13+00W 12+00W 11+00W 10+00W 9+00W 8+00W 7+00W 5+00W 4+00W 3+00W 2+00W 1+00W 0+00

MAP AREA NO.1



TRANS. DIRECTION N.A.

-30% +30%

IN PHASE QUAD.

CONDUCTOR AXES

REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

CAMFLO MINES LTD.

McDERMOTT PROJECT

HARKER & HOLLOWAY TWPS. ONT.

V.L.F. E.M. 16
RAW DATA PROFILES

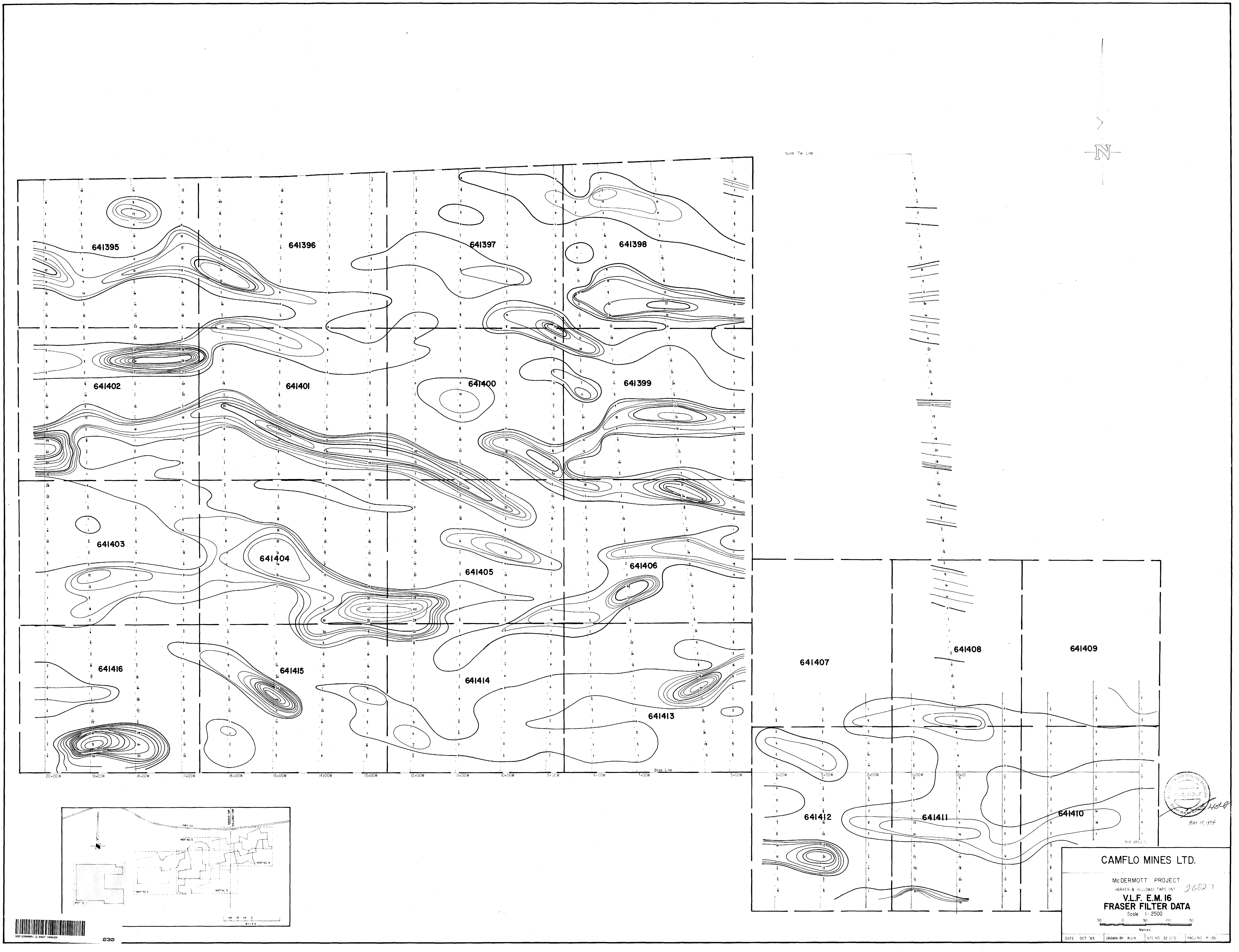
Scale 1:2500

50 0 50 100 150

Metres

DATE: OCT. '83	DRAWN BY: R.J.H.	NTS NO. 32 D/12	PROJ. NO. P-135

220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641416
North Tie Line
Base Line
20+00W
19+00W
18+00W
17+00W
16+00W
15+00W
14+00W
13+00W
12+00W
11+00W
10+00W
9+00W
8+00W
7+00W
5+00W
4+00W
3+00W
2+00W
1+00W
N
MAP NO. 2
MAP NO. 3
MAP NO. 4
MAP NO. 5
MAP AREA No.
CAMFLO MINES LTD.
McDERMOTT PROJECT
HARKER & HOLLOWAY TWPS ONT
V.L.F. E.M. 16
FRASER FILTER DATA
Scale 1:2500
50 0 50 100 150
Metres
DATE: OCT. '83
DRAWN BY: R.J.H.
NTS NO. 32 D/12
PROJ NO. P-135
230