BOULDER LAKE PROPERTY NTS: 42 B/1

ASSESSMENT REPORT

ON

IP SURVEYS

Submitted By:

P. Diorio
August 22, 1985
Toronto, Ontario

TABLE OF CONTENTS

APPENDICES

I INTRODUCTION

This report covers induced polarization surveys performed over a group of claims in Muskego and Keith Townships referred to here as the Boulder Lake Property. This work is part of an on-going gold exploration program being conducted by Utah Mines Ltd. The IP survey was intended to locate sulphide concentrations which are commonly associated with gold deposits.

(A) Location and Access

The property consists of a group of 32 contiguous claims located approximately 10 miles southwest of Foleyet, Ontario. The property is reached by Highway 101 which transects the claim group. (See Figure 1 and contoured plan maps).

(B) Claims Covered by the Survey

The IP survey covers claims P825404 to P825430 inclusive. Claims P824431 to P825435 are also part of the claim group but were not covered by the survey.

(C) Regional Geology

The regional geological setting of the Swayze Deloro meta-volcanic-metasedimentary belt is outlined by Thurston et. al., (1977).

All rocks in the Chapleau Area are of Early Precambrian age, with the exception of the carbonatite-alkalic complexes associated with the Kapuskasing Structural Zone. The Wawa and the Abitibi Sub-Provinces consist of volcanic and sedimentary belts generally within greenschist facies of metamorphism. The volcanic and sedimentary belts are surrounded and intruded by Algoma igneous intrusive rocks.

The Abitibi Greenstone Belt extends westwards from Quebec into the map area and is abruptly terminated at the Kapuskasing Structural Zone. Several volcanic complexes have been delineated in the Abitibi Greenstone Belt by Goodwin and Riddler (1970).

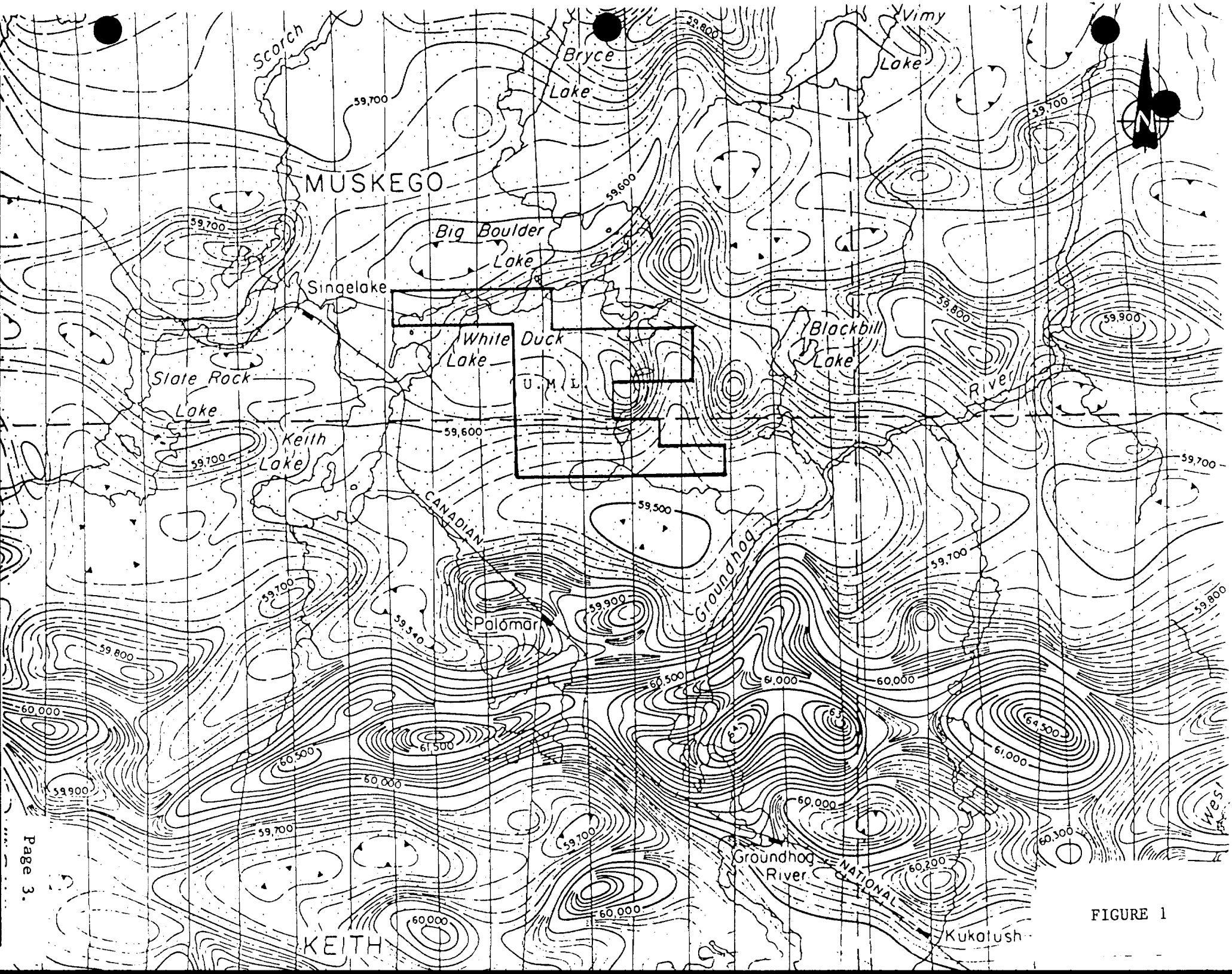

Scorch
Bryce
Lake
Vimy
Lake
MUSKEGO
Big Boulder
Lake
Singelake
White Duck
Lake
U.M.L
Blackbill
Lake
River
Slate Rock
Lake
Keith
Lake
CANADIAN
Groundhog
Palomar
Groundhog
River
NATIONAL
KEITH
Kukotush
59,700
59,600
59,800
59,900
59,500
59,540
60,000
60,500
61,000
61,500
64,500
60,300
60,200
N

FIGURE 1

The Deloro volcanic complex extends for 24 km from the Timmins - Nighthawk Lake Area to the Foleyet - Horwood Lake Area, where it is terminated by faults and granitic intrusions. Metavolcanic and metasedimentary rocks in the southern portion of the Muskego Twp. and in the northern portion of Keith Twp. are within the northern margins of the Deloro volcanic complex.

(D) Local Geology

This section contains a description of the geology of the northern half of Keith Twp. and the southern portion of Muskego Twp.

The area is covered by intermediate to mafic metavolcanic rocks consisting of pillowed and amygdaloidal basalts, mafic tuffs, chloritic schists, fragmental volcanics, and tremolitic volcanic rocks. These rocks are interlayered with less abundant felsic volcanics, and interbedded with metasedimentary rocks. The felsic volcanic rocks consist of agglomerates, tuffs, sericite schists, quartz, porphyries and feldspar porphyries. Several east-west trending metasedimentary units occur in the area, and consist of conglomerate, quartzite, arkose, greywacke, and argillite. Thin iron formation (magnetic and hematite type) units trending east-west, outcrop in the northern half of Keith Township. Ultramafic intrusive sills (serpentinite, hornblendite) intrude a large portion of the northern half of Keith Twp.

Several faults (north and northeast trending) with left lateral movement occur in the area.

(E) Previous Exploration History

Generally, the area has not been mapped in detail, there are several unmapped portions and for Muskego Township essentially no exploration assessment work submitted. The area staked by Utah Mines Ltd., (Boulder Lake Property) is untested as far as exploration is concerned.

II INDUCED POLARIZATION SURVEY

(A) Survey Grid

Prior to commencement of the geophysical surveys, cut line grids were established to cover the mining claims. Linecutting was carried out by Exploration Services Limited, Noranda, Quebec, under contract to Utah Mines Ltd..

The survey grid was established as shown on the accompanying maps. The grid uses an east-west base line (station Ø N) established 1300 feet north of the Keith-Muskego Township lines. Control lines were cut at 2640 feet north and 2640 feet south of this base line. Traverse lines were cut at 400 foot intervals and stations established every 100 feet. At each station wooden pickets were emplaced, which were clearly marked with their respective grid designations.

(B) Survey Method and Instrumentation

This survey employed a Phoenix Geophysics Ltd. IPT1 1 kw time domain transmitter and a Scintrex Ltd. IPR-11 induced polarization receiver. Both were operated with a 2 second "on" and 2 second "off" cycle. The IPR-11 measures and records primary voltage and 10 chargeability slices. For the sake of convenience, the chargeability (see Table 1 and Table 2) data has been reduced to a "Newmont standard" chargeability with a Ø.45 sec. delay and Ø.65 sec. integration time. The IPR-11 is capable of measuring and recording up to 6 dipoles simultaneously. During this survey, 4 dipoles (N = 1 to 4) were measured simultaneously with and "A" spacing of 200'.

The survey was performed with a 4-man crew. Two men were used to operate the transmitter and move the single transmitter dipole. Two more men operated the receiver and set up the 4 receiver dipoles. Both transmitter and receiver electrodes consisted of 3 foot stainless steel rods. Standard 18 gauge "IP wire" was used for all connections.

Table 1,IPR-11 Timing Data

MODE Sec.	SLICE	DURATION ms	FROM ms	TO ms	MID-POINT ms
0.2	0	3	3	6	4.5
	1	3	6	9	7.5
	2	3	9	12	10.5
	3	3	12	15	13.5
	4	18	15	33	24
	5	18	33	51	42
	6	18	51	69	60
	7	36	69	105	87
	8	36	105	141	123
	9	36	141	177	159
1.0	0	15	15	30	22.5
	1	15	30	45	37.5
	2	15	45	60	52.5
	3	15	60	75	67.5
	4	90	75	165	120
	5	90	165	255	210
	6	90	255	345	300
	7	180	345	525	435
	8	180	525	705	615
	9	180	705	885	795
2.0	0	30	30	60	45
	1	30	60	90	75
	2	30	90	120	105
	3	30	120	150	135
	4	180	150	330	240
	5	180	330	510	420
	6	180	510	690	600
	7	360	690	1050	870
	8	360	1050	1410	1230
	9	360	1410	1770	1590
4.0	0	60	60	120	90
	1	60	120	180	150
	2	60	180	240	210
	3	60	240	300	270
	4	360	300	660	480
	5	360	660	1020	840
	6	360	1020	1380	1200
	7	720	1380	2100	1740
	8	720	2100	2820	2460
	9	720	2880	3540	3180

Table 2,IPR-11 Timing Data, Vp Integration

MODE Sec.	DURATION ms	FROM ms	TO ms	MID-POINT ms
0.2	512	384	896	640
1.0	512	384	896	640
2.0	1024	768	1792	1280
4.0	2048	1536	3584	2560

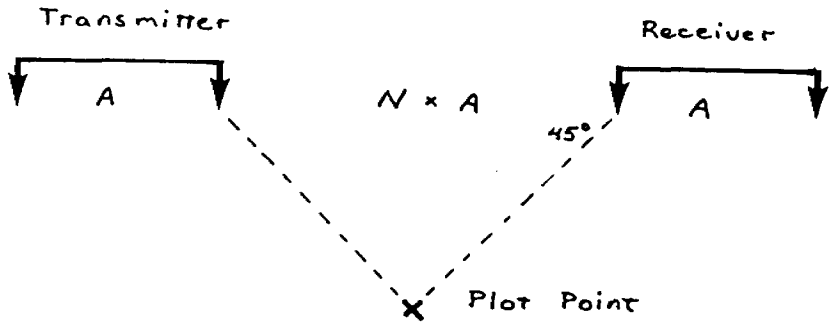


FIGURE 2: Pseudosection Plotting Convention. "A" = 200' N = 1,2,3, and 4

(C) Output

The data are presented in two forms:

(1) For N = 1 resistivity and chargeability data, simple contoured plans have been produced with surface projection of all anomalies shown as solid bars.

(2) Contoured pseudosections. Plotted in idealized plan format, these show all four N spacings and data values for both resistivity and chargeability. The pseudosection "plans" are not to scale, but are plotted in this manner to show all data in a concise form.

All data was acquired digitally and processed and plotted using HP-85 and HP-9848 computers.

III INTERPRETATION AND RECOMMENDATIONS

Anomalies are shown on the chargeability plans. The anomaly of most obvious interest peaks on line 56W at station 2S. At this location the anomaly is accompanied by a modest, local resistivity low. (For the most part, resistivity seems to be dominated by overburden thickness hence is not a good anomaly indicator). Several weaker anomalies are noted throughout the area. All anomalies should be screened with soil geochem and (if possible) whole rock geochem prior to further testing.

P.A. Diorio
August 22, 1985

REFERENCES

Goodwin, A.M. and Ridler, R.H. 1970, The Abitibi Orogenic Belt, P. 1-30 in: Symposium on Basins and Geosynclines of the Canadian Shield, ed. A.J. Baer, Geological Survey of Canada, Paper 70-40, p. 265.

Map 2221 Geological Compilation Series, Chapleau - Foleyet, Scale 1:253,440

Map 1950-4 Parts of Keith and Muskego Townships, Scale 1:12,000

Map 2263 G Groundhog Lake, Airborne Magnetics Survey, Scale 1:63,360

Thurston, P.C. Siragusa, G.M. and Sage, R.P. 1977: Geology of the Chapleau Area, Districts of Algoma, Sudbury and Cochrane: Ontario Division of Mines, GR 157, p. 293.

Ministry of Natural Resources
Ontario

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

#226

42B01NW8540 2.8384 KEITH

900

Minii

– Do not use shaded areas below.

Type of Survey(s)
TIME DOMAIN INDUCE POLARIZATION

Township or Area
MUSKEGO & KEITH TWP.

Claim Holder(s)
UTAH MINES LTD.

Prospector's Licence No.
T-793

Address
5 BIRCH ST. N, TIMMINS, ONTARIO

Survey Company
UTAH MINES LTD.

Date of Survey (from & to) | Day | Mo. | Yr. | Day | Mo. | Yr.
10 | 06 | 85 | 26 | 06 | 85

Total Miles of line Cut
32.5

Name and Address of Author (of Geo-Technical report)
DUNCAN MCIVOR 5 BIRCH ST. N, TIMMINS, ONT.

Credits Requested per Each Claim in Columns at right

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

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

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

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	825404	40
	825405	"
	825406	"
	825407	"
	825408	"
	825409	"
	825410	"
	825411	"
	825412	"
	825413	"
	825414	"
	825415	"
	825416	"
	825417	"
	825418	"
	825419	"
	825420	"
	825421	"
	825422	"
	825423	"
	825424	"
	825425	"
	825426	"

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	825427	"
	825428	"
	825429	"
	825430	"

RECEIVED
JUL 09 1985
MINING LANDS SECTION

RECORDED
JUN 28 1985
Receipt No. 9

Total number of mining claims covered by this report of work. 27

For Office Use Only

Total Days Cr. Recorded 1,080

Date Recorded June 28/85

Date Approved as Recorded

Mining Recorder

Branch Director

Date June 28/85

Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
G.L. TREADWELL 5 BIRCH ST. N, TIMMINS, ONTARIO

RECEIVED
PORCUPINE MINING DIVISION
JUN 28 1985

Date Certified June 28/85

Certified by (Signature)

1362 (81/91)

REGISTERED

August 19, 1985 Report of Work #226

Utah Mines Ltd
5 Birch Street North
Timmins, Ontario

Dear Sirs:

RE: Mining Claims P 825404, et al,
in the Townships of Muskego &
Keith

I have not received the reports and maps (in duplicate) for the Induced Polarization Survey on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the Mining Recorder on June 28, 1985 the 60 day period allowed by Section 77 of the Mining Act for the submission of the technical reports and maps to this office will expire on August 27, 1985.

If the material is not submitted to this office by August 27, 1985, I will have no alternative but to instruct the Mining Recorder to delete the work credits from the claim record sheets.

For further information, please contact Mr. Arthur Barr at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

A. Barr:mc

cc: Mining Recorder
Timmins, Ontario
Encl.

1985 09 23

Your File: 226
Our File: 2.8384

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

Dear Sir:

RE: Notice of Intent dated September 3, 1985
Geophysical (Induced Polarization) Survey
on Mining Claims P 825404, et al, in Muskego
and Keith Townships

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Kinvig:mc

cc: Utah Mines Ltd
5 Birch Street North
Timmins, Ontario
cc: Utah Mines Ltd
Suite 900
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2
Encl.

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

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File: 2.8384

Date: 1985 09 03

Mining Recorder's Report of Work No.: 226

Recorded Holder: UTAH MINES LTD

Township or Area: MUSKEGO & KEITH TOWNSHIPS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 825404 to 10 inclusive 825414 to 16 inclusive 825418 to 22 inclusive 825424 to 30 inclusive
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization 40 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 I.P.	10 DAYS I.P.
P 825411 - 12 825423	P 825413

No credits have been allowed for the following mining claims

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

P 825417

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

Ministry of Natural Resources

Ontario

Sept 18/85

1985 09 03

Your File: 226
Our File: 2.8384

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

Dear Sir:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Kinvig:mc

Encls.

cc: Utah Mines Ltd
5 Birch Street North
Timmins, Ontario

cc: Utah Mines Ltd
Suite 900
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2

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

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 09 03

2.8384/226

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.

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) Induced Polarization

Township or Area Muskego and Keith Townships

Claim Holder(s) Utah Mines Ltd.

Survey Company Utah Mines Ltd.

Author of Report P. Diorio

Address of Author Utah Mines Ltd., 1406-4 King W. Toronto

Covering Dates of Survey May 10, 1985 to August 22, 1985
(linecutting to office)

Total Miles of Line Cut 30

SPECIAL PROVISIONS CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	
–Magnetometer	
–Radiometric	
–Other IP	40
Geological	
Geochemical	

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

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

DATE: August 21/85 SIGNATURE: P Diorio
Author of Report or Agent

Res. Geol. _____ Qualifications 2.4695

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	425404
P	425405
P	425406
P	425407
P	425408
P	425409
P	425410
P	425411
P	425412
P	425413
P	425414
P	425415
P	425416
P	425417
P	425418
P	425419
P	425420
P	425421
P	425422
P	425423
P	425424
P	425425
P	425426
P	425427
P	425428
P	425429
P	425430

TOTAL CLAIMS 27 claims

If space insufficient, attach list

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 1729 Number of Readings Chargeability 1663 X 10 slices
Resistivity 1729

Station interval 200' (N = 1 to 4) Line spacing 400'

Profile scale N/A

Contour interval As shown on maps

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

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

Frequency (specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION
RESISTIVITY

Instrument Transmitter - Phoenix IPT1, Receiver-Scintrex IPR-11

Method ☒ Time Domain ☐ Frequency Domain

Parameters – On time 2 sec Frequency

– Off time 2 sec Range

– Delay time 10 windows (see report)

– Integration time " "

Power 1 KW

Electrode array Dipole-Dipole

Electrode spacing 200' "A" spacing, N = 1 to 4

Type of electrode Stainless steel rods

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 _____

UTAH MINES LTD.

MINERAL EXPLORATION

SUITE 1406, 4 KING STREET WEST, TORONTO, ONTARIO, CANADA M5H 1B6

(416) 368-3884

August 26, 1985

Mr. Ray Pichette
Supervisor Mining Land Section
Ministry of Natural Resources
Room 6610, Whitney Block
99 Wellesley Street, West
Toronto, Ontario M7A 1W3

Dear Sir:

Please find enclosed duplicate copies of an assessment report covering geophysical surveys performed on claims P425404 to P425430 in Keith and Muskego Townships.

Respectfully Submitted
By:

P.A. Diorio

PAD/ca
Enclosures: 2 Assessment Reports
2 Technical Data Statements
2 Sets of Plan Maps

September 3, 1985 MOVE

UTAH MINES LTD.
SUITE 900
25 ADELAIDE ST. EAST
TORONTO, ONTARIO
M5C 1Y2

Mining Lands Section

File No 2.8384

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

< Muskego, Keith >

Lgd.

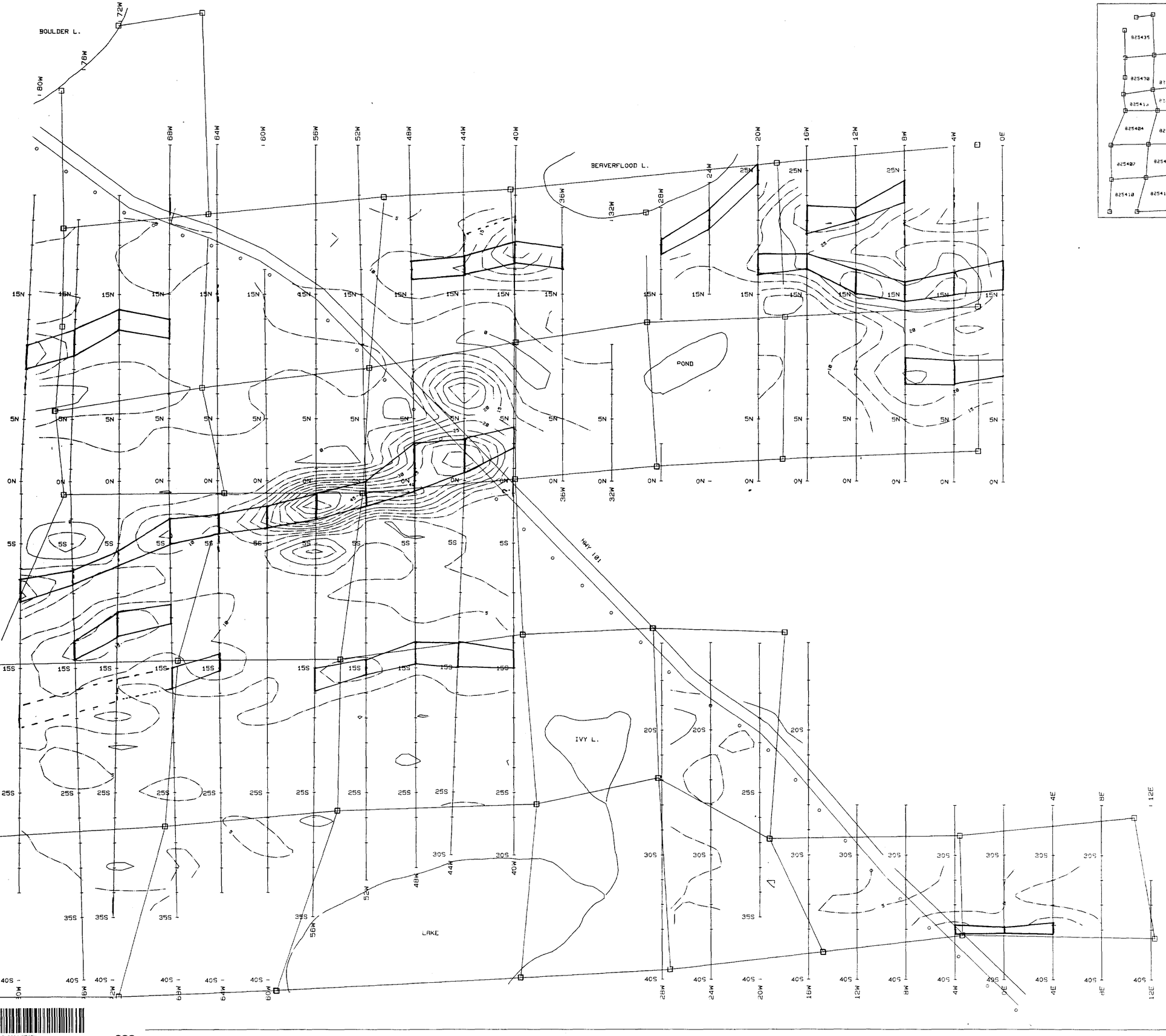
LD.

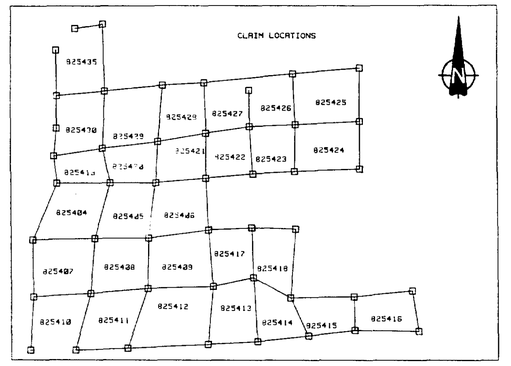
Signature of Assessor

Date

2.8384

	I.P.				I.P.					I.P.
Pr-825404	✓			825413	3/4			825422		✓
05	✓			14	✓			23		1/2
06	✓			15	✓			24		✓
07	✓			16	✓			25		✓
08	✓			17	0			26		✓
09	✓			18	✓			27		✓
10	1/4			19	✓			28		✓
11	1/2			20	✓			29		✓
825412	1/2			825421	✓			825430		✓





2.8384

PDesrosiers 26 Aug 85

UTAH MINES LTD.
Exploration Dept.
Toronto : CANADA

BOULDER LAKE IP SURVEY

N=1 CHARGEABILITY (Msec)

5 Msec Contour Interval

Date	Drawn	Checked	Revised	NTS	File	Map
June 85	MD/SBS	-	-	-	-	1 of 2

0 400 800 1200
Ft

42B01NW0540 2.8384 KEITH

200

BOULDER L.

BEAVERFLOOD L.

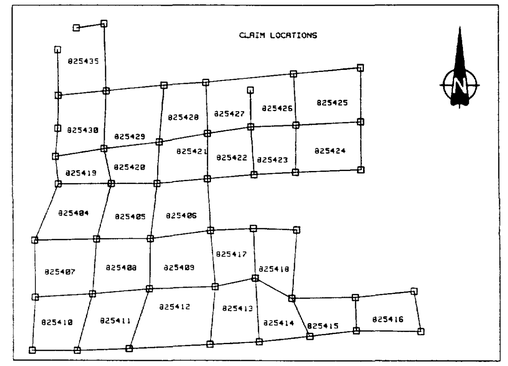
POND

IVY L.

LAKE

HWY 101

CLAIM LOCATIONS



2.8384

26 Aug 85

UTAH MINES LTD.
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Toronto : CANADA

BOULDER LAKE IP SURVEY

N=1 Resistivity (Ohm-M)

Contour levels 100 200 500
1000 2000 5000 10000

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BOULDER LAKE IP SURVEY

CHARGEABILITY PSEUDOSECTIONS

4 Msec Contour Interval

(Note: Map not to scale)

Date	Drawn	Checked	Revised	NTS	File	Map
June 85	MP/SS	-	-	42B/1	-	1 of 2

0 400 800 1200 Ft

26/aug/85

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BOULDER LAKE IP SURVEY

RESISTIVITY PSEUDOSECTIONS

50 Ohm-M Cont. Int (50-250 Ohm-M)
100 Ohm-M Cont. Int (300-1400 Ohm-M)
500 Ohm-M Cont. Int (1500-24000 Ohm-M)

(Note: Map not to scale)

Date	Drawn	Checked	Revised	NTS	File	Map
June 85	WP7585	-	-	42A/1	-	1 of 2

0 400 800 1200
Ft

P Dixon 26 July 85

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