

010

KIDD CREEK MINES LTD. GEOPHYSICAL REPORT ON TISDALE 52

NTS: 42-A/11

PROJ. #981

## RECEIVED

NOV 1 5 1985

MINING LANDS SECTION

OCTOBER, 1985

D. LONDRY

#### SUMMARY AND RECOMMENDATIONS

- 1、「「「「「」」」」」

No bedrock conductors were detected in EM surveys carried out on the Tisdale 52 property. Ultramafics on the property are outlined in the magnetic survey.

No further geophysics is recommended.



Ø10C

## TABLE OF CONTENTS

1998年により、1997年に、1997年には1998年には1998年に、1997年に

	Page
SUMMARY AND RECOMMENDATIONS	i
INTRODUCTION	1
PREVIOUS WORK	3
SURVEY DESCRIPTIONS	3
RESULTS	5

#### LIST OF MAPS

1. MAGNETIC RESULTS (BACK POCKET)

2. VLF RESULTS (BACK POCKET)

3. HEM RESULTS, 444 HZ. (BACK POCKET)

4. HEM RÉSULTS, 1777 HZ. (BACK POCKET)

LIST OF FIGURES

			Page
FIGURE	1:	LOCATION MAP	2
FIGURE	2:	GRID SKETCH	4

۰.

•

iv

#### INTRODUCTION

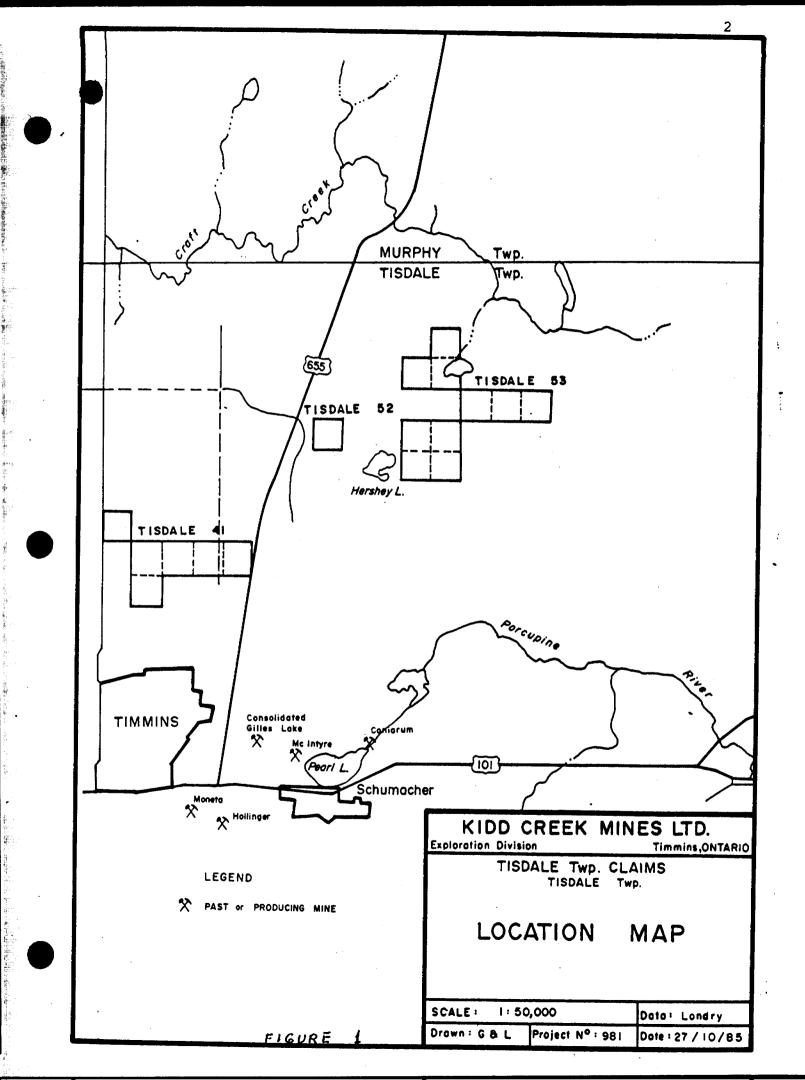
言語の

1000000000

why fighter.

During August 1985, Kidd Creek Mines Ltd. carried out magnetic, VLF-EM and horizontal loop EM surveys on claim 851801 in Tisdale Township. The claim is located 5.5 km north of the city of Timmins in the SE 1/4, N 1/2 of Concessions V, Lot 9 (Figure 1).

The claim is accessible along the Hershey Lake road off Highway 655. The field crew included R. Daigle, S. Ryan and S. Olink.



#### PREVIOUS WORK

Belle and the second se

- 11日 日の山田市の市市市の市場に、市場です……

「三十二

......

ころうちもありてい

- And the second se

いたちまた

新聞教育などの いっていき かったろう しまゆび かいのかややい おおやく

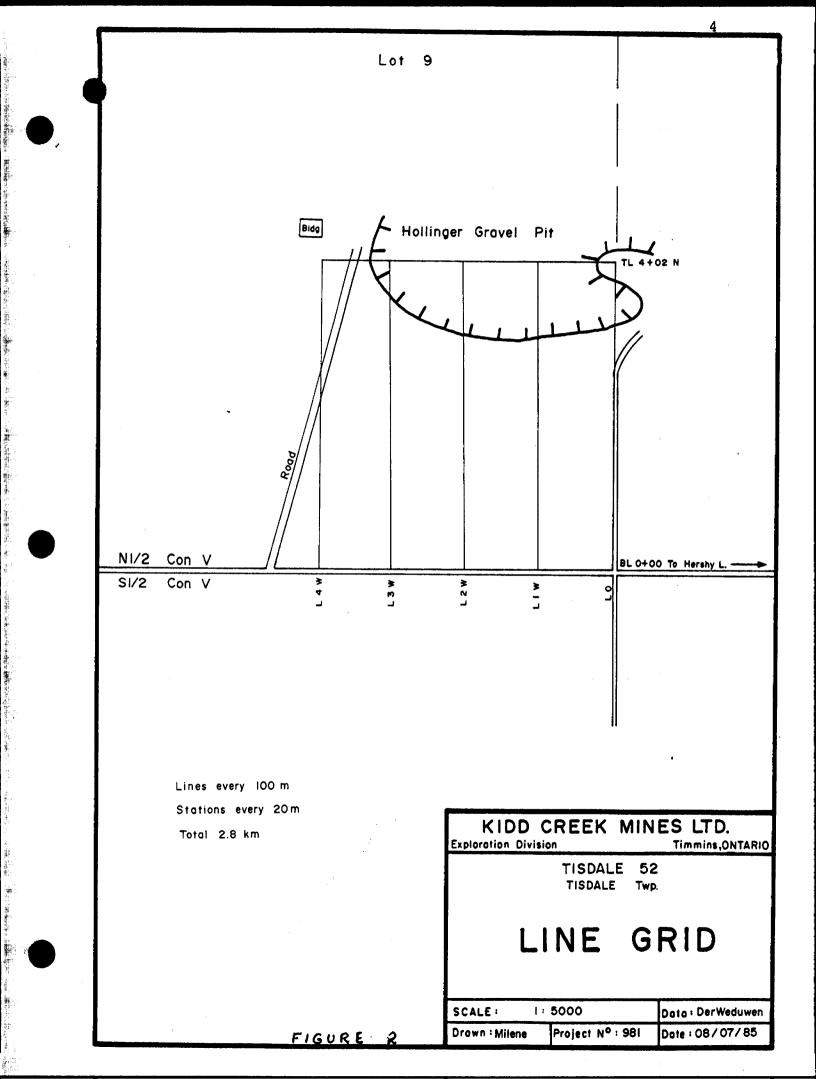
In 1981 Esso Minerals Canada carried out a VLF-EM survey on the claim, then held by Hollinger Argus. No bedrock conductors were detected.

#### SURVEY DESCRIPTIONS

An east-west base line was established along the south edge of claim 851801. Grid lines were cut every 100 m and picketed every 20 m (Figure 2).

The horizontal loop EM survey was carried out with an Apex Parametrics Max Min I using a coil separation of 160 m. The in-phase and quadrature components of the secondary field were measured as a percentage of the primary field. Readings were taken every 20 m at frequencies of 444 and 1777 hertz. A total of 65 stations were sampled along 2.0 km of line.

The magnetic readings were taken with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the Earth's total magnetic field to an accuracy of  $\pm$  .1 gamma. The diurmal drift was monitored every 30 seconds with a Scintrex MP-3 base station magnetometer located at 60 North on Line 0 West. A total of 103 readings were taken.



A Scintrex IGS-2/VLF-4 was used in the VLF-EM survey. Parameters measured include the horizontal field strength and the inphase and quadrature components of the vertical field, normalized to the horizontal field. The transmitter station used was Cutler Maine which transmits at a frequency of 24.0 k Hz. The number of stations sampled in this survey was 103.

#### RESULTS

onter and and an and an article in the second and an an

ιų.

1

三日本語を

三日本

.

the second second

124

"我们有好,我就帮助你帮助你们的?"她说道这样是一次的复数形式,可以有可能在来,就是我们的一个,我们就不能能。

Plan maps of the results, plotted at a scale of 1:2000, can be found in the pockets at the end of this report.

No bedrock conductors were detected in the horizontal loop EM survey (Maps 3 and 4). Positive in-phase readings in the results from both frequencies occur at the north end of Lines 200 and 300 West. This is a short cable effect caused by a steep embarkment at the edge of the Hollinger gravel pit. Anomalous readings at the south end of Lines 300 and 400 West in both the VLF and horizontal loop results are due to a power line. The source of weak VLF anomalies, elsewhere on the property, are surficial.

A linear magnetic anomaly which strikes east northeast across the north half of the claim reflects serpentinite (Map 1). The source of the circular feature on Line 100 West is also likely ultramafics.

£.

Douglas Londry D. LONDER



020

KIDD CREEK MINES LTD. GEOPHYSICAL REPORT

ON

TISDALE 53

NTS: 42-A/11

PROJ # 981

# RECEIVED

101 1 1985 MINING LANDS SECTION

OCTOBER 1985

D. LONDRY

#### SUMMARY AND RECOMMENDATIONS

精整者によりはないので、自己などを思いて、教育権がいたのです。「「教育ない」になった。それの教育などので、ないで、ないないないで、ないないないで、ないないないで、ないないないで、ないないないで、それのない

野生い

うち、またり、その一部、時間の時間を支持者である。 これでは、「時間」、これで、これでは、時間には、これは、「後年まれ」ます。たれていていた。 たまたは、中間を見てきたです。

金属にいた市

Magnetic, VLF-EM and horizontal loop EM surveys were carried out on the Tisdale 53 property.

The magnetic survey outlines east northeast striking ultramafics. A bedrock conductor detected in the horizontal loop EM survey has been previously tested by diamond drilling.

It is recommended that an I.P. survey be carried out on Lines 300 and 400 West from 400 to 1200 South.



020C

## TABLE OF CONTENT

	Page
SUMMARY AND RECOMMENDATIONS	, i
INTRODUCTION	, 1
PREVIOUS WORK	, 3
SURVEY DESCRIPTIONS	, 3
RESULTS	, 5

LIST OF MAPS

1. MAGNETIC RESULTS (Back Pocket)

2. VLF RESULTS (Back Pocket)

3. H.E.M. RESULTS, 444 Hz (Back Pocket)

4. H.E.M. RESULTS, 1777 Hz (Back Pocket)

#### LIST OF FIGURES

FIGURE 1. LOCATION MAP ..... 2 FIGURE 2. GRID SKETCH ..... 4

#### INTRODUCTION

「「あま」」ます。

AND THE OWNER WATCHING THE PARTY OF

「「「「「「「「「「」」」」

- Hard States

qť

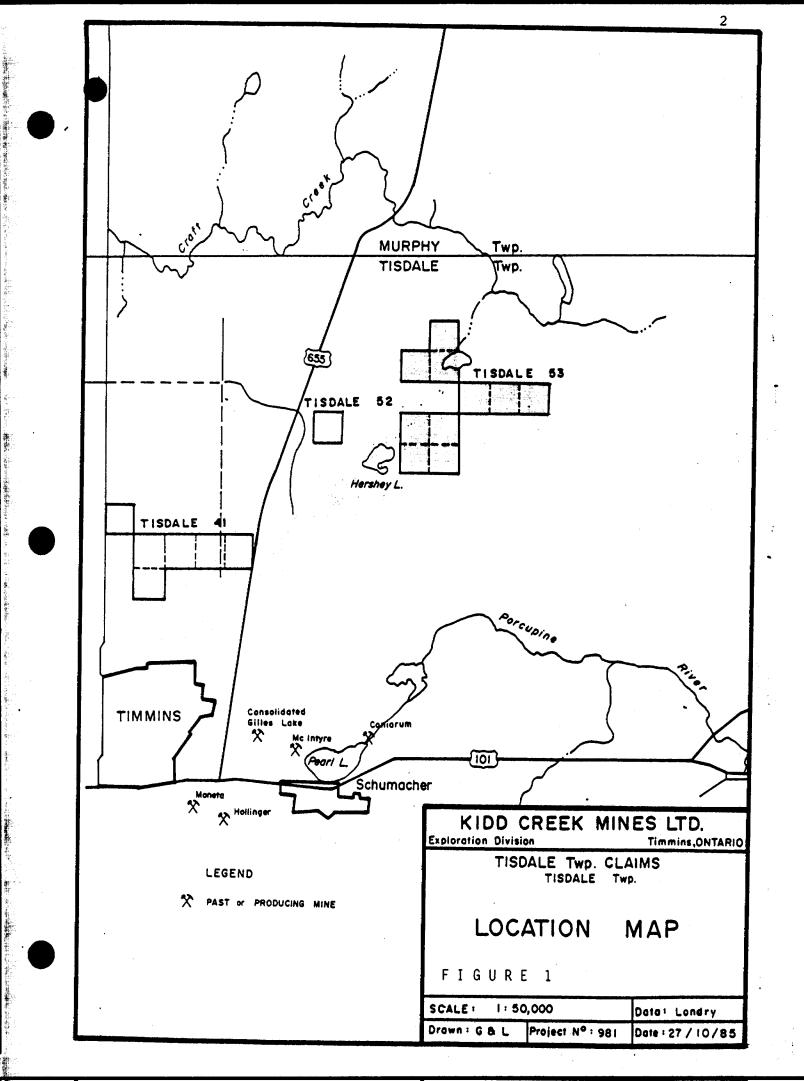
には約日

體生

During August 1985, Kidd Creek Mines Ltd. carried out magnetic, VLF-EM and horizontal loop EM surveys on the Tisdale 53 property. The property consists of 10 contiguous claims in the northern half of Tisdale Township. The claims are numbered as follows:

P 825784
P 831692 - P 831694 inclusive
P 831839 - P 831844 inclusive

The property is located about 6 km northeast of the city of Timmins. It is accessible along a gravel road from Highway 655. The field crew included R. Daigle, B. Keen, S. Taylor and S. Olink.



#### PREVIOUS WORK

記者でいる

n de la com

いぼうにもない町に見たますの

こうのないないで、 あくてきたいのない、

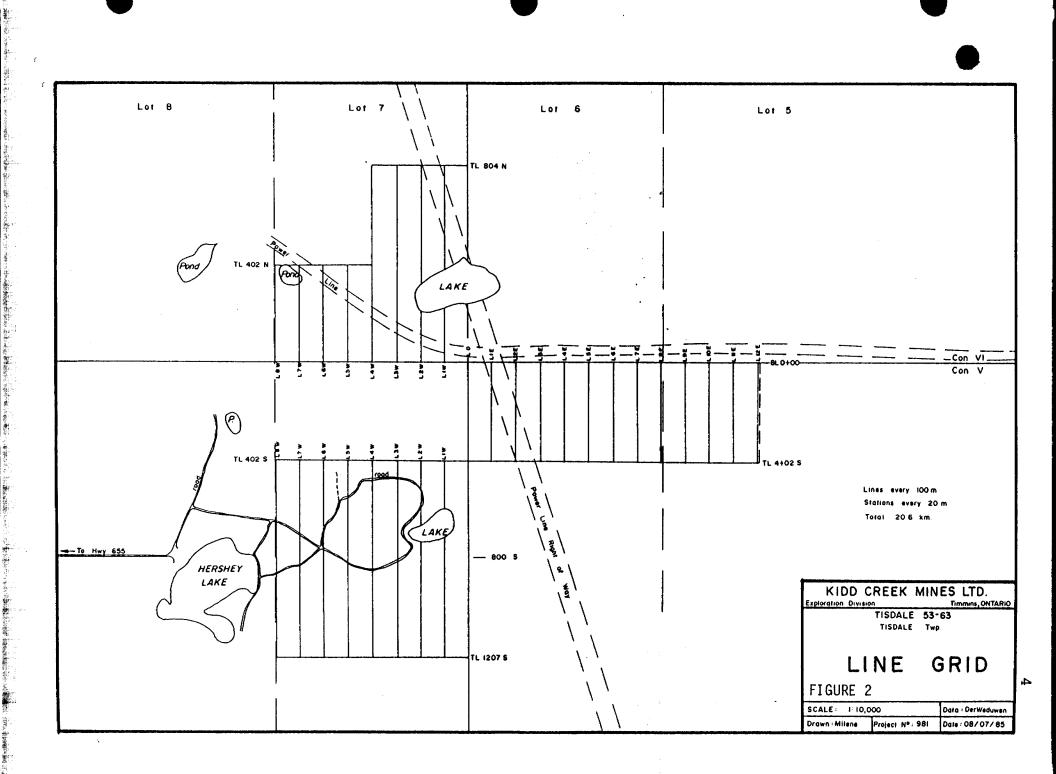
In 1964 Keevil Exploration ran a magnetic survey over the three northwest claims on the property. The source of a linear magnetic high, striking N70<sup>0</sup>E along the southern edge of these claims, was interpreted to be serpentinite. A horizontal loop EM survey was not completed because of interference from power lines.

In 1981 and 1982, Esso Minerals Canada carried out VLF-EM and magnetic surveys over the property, then held by Hollinger Argus. Northeast striking conductors and parallel zones of high magnetic susceptibility were defined.

An I.P. survey was also carried out in 1984 for Labrador Exploration on the three northwest claims. A zone characterized by high chargeability was detected on claim P-831694. It is reported that Inco had previously tested a coincident horizontal loop EM anomaly by drilling. The hole intersected a graphitic horizon in mafic volcanics.

#### SURVEY DESCRIPTIONS

North-south grid lines were cut every 100m and picketed every 20m (Figure 2). The 0+00 N, 0+00 E point on the grid is located at a survey post at the boundary between Lots 6 and 7, Concessions IV and V.



The horizontal loop EM survey was carried out with an Apex Parametrics Max Min I using a coil separation of 160m. The in-phase and quadrature components of the secondary field were measured as a percentage of the primary field. Readings were taken every 20m at frequencies of 444 and 1777 Hz. A total of 614 stations were sampled along 18 km of line.

The magnetic readings were taken with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the Earth's total magnetic field to an accuracy of  $\pm$  .1 grammas. The diurnal drift was monitored every 30 seconds with a Scintrex MP-3 base station magnetometer, located at 300 North on Line 500 West. A total of 881 readings were taken.

A Scintrex IGS-2/VLF-4 was used in the VLF-EM survey. Parameters measured include the horizontal field strength and in-phase and quadrature components of the vertical field, normalized to the horizontal field. The transmitter station used was Cutler Maine which transmits at a frequency of 24.0 kHz. The number of stations surveyed was 881.

RESULTS

「「「「「「「」」」」

Burn Irea.

言葉で

2014年末により、1月10日期日本経営業業販売をし、一元本により近代が、内容販売業業業、上市するのであった。

この、地の時になるなどが発見し、「ならい」を読います。

The results are plotted on plan maps at a scale of 1:5000.

As in previous magnetic surveys, east northeast striking ultramafics (serpentinite) are outlined by high magnetic anomalies.

たらの言語

-----

of the foreigned of the second

「「「「日日」」

調査にお

のいるのないでいたの

中の野

こので、市場の時にある「新たい」、「東京市」、市方

Weak conductors, detected in the VLF-EM survey, also strike east northeast. The stronger VLF anomalies have corresponding quadrature anomalies in the high frequency horizontal loop results. The poor conductivity thickness suggests that the source of the anomalies is likely surficial.

An I.P. survey should be carried out on Lines 300 and 400 West from 400 to 1200 South. This will test the VLF anomaly at 750 South. It may also help explain why the magnetic anomaly, over the lake to the east, ends at this point.

A definite bedrock conductor was detected on Line 400 West at 620 North. The width of the conductor is 20m and the conductivity thickness is 14 mhos; the dip cannot be determined because the anomaly is incomplete. This appears to be the graphitic horizon drilled by Inco.

DOUG LONDRY



030

KIDD CREEK MINES LTD. GEOPHYSICAL REPORT

ON

TISDALE 41

N.T.S.: 42-A-11

PROJ. #981

RECEIVED

NOV 1.5 1985

MINING LANDS SECTION

OCTOBER, 1985

D. LONDRY

## SUMMARY AND RECOMMENDATIONS

「たち」は「「「「「」」」

No bedrock conductors were detected in EM surveys carried out on the Tisdale 41 property. A magnetic survey outlined east northeast striking ultramafics.

An IP survey should be carried out to test for disseminated sulphides, which may be associated with gold mineralization, along the volcanic-ultramafic contacts.



TABL

÷.,

Character and the second second

Ø30C

## page

SUMMARY AND RECOMMENDATIONS	i
INTRODUCTION	1
PREVIOUS WORK	1
SURVEY DESCRIPTIONS	3
RESULTS	5

LIST OF MAPS

МАР	1	MAGNETIC RESULTS (Back Pocket)
MAP	2	VLF RESULTS (Back Pocket)
МАР	3	HEM RESULTS, 444 Hz (Back Pocket)
MAP	4	HEM RESULTS, 1777 Hz (Back Pocket)

iv

## LIST OF FIGURES

## page

FIGURE 1	LOCATION MAP	2
FIGURE 2	GRID SKETCH	4

INTRODUCTION

During September 1985, Kidd Creek Mines Ltd. carried out magnetic, VLF-EM and horizontal loop EM surveys on their Tisdale 41 property. The property is located about 2 kilometres north of the City of Timmins in Lots 10, 11 and 12, Concession VI, Tisdale Township (Figure 1). It is bordered by McLean Drive to the west and by Highway 655 to the east.

The six claims are numbered as follows:

P-849485, P-849486 P-851802, P-851803 P-851880, P-851881

The field crew included R. Daigle, S. Olink and B. Keen.

#### PREVIOUS WORK

In 1981/82 Esso Minerals Canada ran magnetic and VLF-EM surveys on the property. High magnetic anomalies, striking northeast, were interpreted to reflect serpentinite. The source of VLF anomalies was interpreted to be conductive overburden.

Lange State ( ) Alle

の開きたが

anini sajar

- AND - COL

聖言音

ร้างชีนกระการสินกระการ

and opening light is

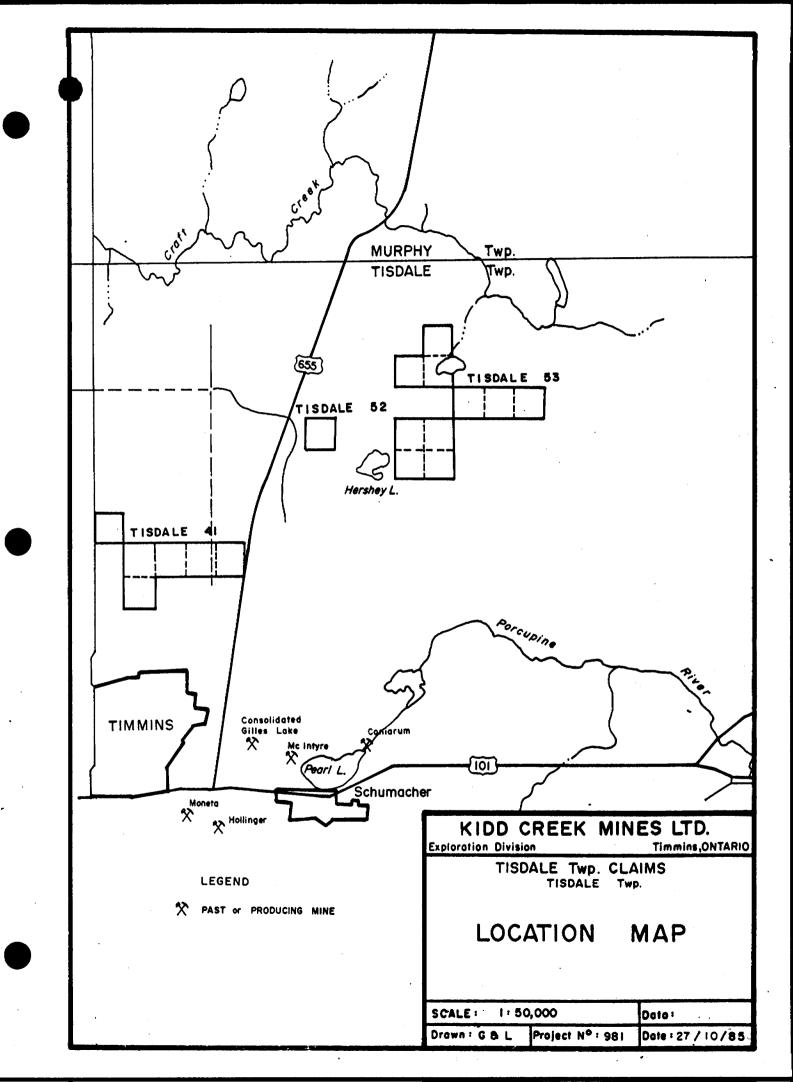
Same -

三日間の言言

んまたのによる感染を感じています。またのではない、それないないです。 たいていたい あんしい しんしょう あんしょう しんしょう やま

「日本書紙を一会り業務」「新聞家を新た業を施設な特別の利用の設置を行いた」においた。

いた問題法を



the second second

書を読

新聞の言い

「ないないない」

擯

Sec. 4

N DISCOUNT OF

国

「対す

ġ

111 111

An east-west base line was established 400 metres south of the boundary between Concession V and VI. North-south grid lines were cut every 100 metres and picketed every 20 metres (Figure 2).

The horizontal loop EM survey was carried out with an Apex Parametrics Max Min I using a coil separation of 160 metres. The in-phase and quadrature components of the secondary field were measured as a percentage of the primary field. Readings were taken every 20 metres at frequencies of 444 and 1777 Hz. A total of 332 stations were sampled along 9.2 kilometres of line.

The magnetic readings were taken with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the Earth's total magnetic field to an accuracy of  $\pm$  .1 gammas. The diurnal drift was monitored every 30 seconds with a Scintrex MP-3 base station magnetometer located at 0 North on Line 200 West. A total of 488 readings were taken.

A Scintrex IGS-2/VLF-4 was used in the VLF-EM survey. Parameters measured include the horizontal field strength and in-phase and quadrature components of the vertical field, normalized to the horizontal field. The transmitter station used was Cutler Maine which transmits at

Lot 12≱ ഉ Lot 11 Lot 10 ין דו 4+02 N Con V Con VI IN ğ ₹ ĭ5¥ LIJW L 12 W L N W L9W L 8 W LSW L II V L6¥ ЗK - 2 W ₹ Ľ L18 W W (1) BL 0+00 N617 McLeon Drive TL 4+02 \$ KIDD CREEK MINES LTD. , **Exploration Division** Timmins, ONTARIO ITL 8+04 \$ TISDALE 41 TISDALE Twp Twp. Twp. LINE GRID MOUNTJOY T I SDALE Lines every 100 m FIGURE 2 Stations every 20m SCALE : 1:10,000 Doto:DerWeduwen 4 Total 14.4 km. Drawn: MG , DL Project Nº : 981 Dote : 17 / 10/85

にいる者をいるいと言語という。

「日本の

a frequency of 24.0 kHz. The number of stations surveyed was 488.

#### RESULTS

The results are plotted on maps 1 to 4 at a scale of 1:2000.

The magnetic field over the property is dominated by two east northeast striking magnetic highs. The source of these anomalies is believed to be serpentinite units.

No bedrock conductors were detected in the horizontal loop EM survey. The anomalous high readings on Line 1900 West are due to noise from the power line along McLean Drive. The source of VLF-EM anomalies on the property are most likely surficial.

-gup Las



12A11SW0235 2.8630 TISDALE

900

### Mining Lands Section

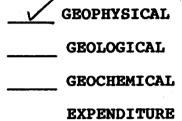
File No 2.8630

.

. .

## Control Sheet

TYPE OF SURVEY



#### MINING LANDS COMMENTS:

•

ないないできた数を置いたかい

i fi

熱いたち

J. Hurst

Signature of Assessor

TAN 18/85

Date

.

		ar	opend	to #	319/85				Dec
Na Na	tural (Ge	port of Work ophysical, Geological, ochemical and Expendi	tures)	D.L.	3 19/85 28630 m 412/85	structions: – – Note: –	Please type If number exceeds spac Only days	or print. of mining clai: e on this form, credits_calcul;	attach a list. ated in the
			//	Mining			in the "Ex	es" section ma pend. Days C haded areas belo	r." columns.
Geophys	ical					Township of Tisdal	e Townsh	ip	
Claim Holder Kidd Cr	reek Mines	Ltd.					Prospector's	Licence No.	
Address D	ox 11/0 5	71 Moneta Avenu	o Timm	ins. Ont	ario DAN 7		1-10	10	
Survey Com					Date of Survey	(from & to)	1	otal Miles of lin 30 km	e Cut
Name and A	ddress of Author (	of Geo-Technical report)			15 <sub>av</sub> ρ <u>ζ.</u> 8				
		. Box 1140, 571	and the second						
Special Provi		Claim in Columns at r Geophysical	Days per	M	aims Traversed ( ining Claim	Expend.		ce) ing Claim	Expend.
For first s	survey:	- Electromagnetic	Claim	Prefix D	Number 005704	Days Cr.	Prefix	Number	Days Cr.
	40 days. (This les line cutting)			P	825784				
		- Magnetometer		- Carlos - Artista - Sere artistantes - Sere artistantes	831692			3- 	
	additional survey: same grid:			and a second	831693		-		
Enter	20 days (for each)	· <sup>· Other</sup> (VLF)	20	The color and the	831694				
		Geological			831839			· · ·	
	· · · · · · · · · · · · · · · · · · ·	Geochemical			831840				
Man Days		Geophysical	Days per Claim		831841				
	reverse side total(s) here	- Electromagnetic			831842				1
		- Magnetometer			831843		COL	DED	<u> </u>
-		- Radiometric		4.95 M. 4.5	831844		T E		<u> </u>
		- Other			849485			1-1085	
		Geological			849486		NOV	6 1000	
		Geochemical			851801			, ,	
Airborne Cri	edits		Days per Claim		851802				
Note: Sp	ecial provisions	Electromagnetic	a contra	64	851803	-			
	edits do not apply Airborne Surveys	Magnatometer Line	<del>3 Sebt</del>	UIN SALA	851880				
		Radiometric			851881		dager (C)		
	es (excludes po	wer stripping)						<del>, , , , , , , , , , , , , , , , , , , </del>	
Type of Wor	k Performed			<b>I</b>				<u></u>	
Performed o	n Claim(s)				<u>) </u> 		-		· · ·
					NOV - 6	1985	ין וי		
						1303			
	of Expenditure Da openditures		Total s Credits				┦┊		
\$		+ =						has of mining. I	
Instructions								ber of mining ared by this vork.	17
Total Da	ys Credits may be	apportioned at the claim l ays credits per claim select			For Office Use (	Only	٦ .	$\sim$	
	ns at right.			Total Day Recorded	Cr. Date Recorded		Mining Poo		
Date	F	Recorded Holder or Agent (	Signature)	340	Date Approprie	· b / j v	Braperyon	wanke	Ψ
Lass of the local division of the local divi	6, 1985	Danglas La	-e)m		D. 85.1	¥.3	oprix	T PX	<u> </u>
	on Verifying Rep	port of Work a personal and intimate k		the facts and	forth the Report	of Work and	wed hereta	aving performe	the work
or witnes	ssed same during a	nd/or after its completion	and the ann	nexed report is	true.				
	ostal Address of P Londry, Kic	erson Certifying Id Creek Mines L	td D	0 Boy	1140				
			, r.	. U. DUX	Date Certified NOV. 6,	1085	Certified b	y (Signature)	$\overline{\mathbf{r}}$
1362 (81/9)	ns, Ontaric	)			100.0,	1900	1 lon	glas La	-dmj

...

Ontario Natural Resources	Report of Work Geophysical, Geological, Geochemical and Expend	tures)	₽F3 Minin	19/85 28630	nstructions: - - Note: -	<ul> <li>If number exceeds sp</li> <li>Only day "Expendit in the "[</li> <li>Do not use</li> </ul>	e or print. r of mining claims vace on this form, at s credits calculate ures" section may Expend. Days Cr." shaded areas below	tach a list d in the be entered columns
GEOPHYSICAL			• •			DALE TO	WNSHIP	
Claim Holder(s)						Prospecto	r's Licence No.	·····
Kidd Creek Mine	s Ltd.				<b>.</b>	1-	1848	
P. O. Box 1140, Survey Company	571 Moneta Aven	ue, Tim	mins, On	tario P4N 7		·····		
Kidd Creek Mine	s Ltd.			15 07 Day   Mo.	85   13	07 85 Mo.   Yr.	Total Miles of line C 30 km	ut
Name and Address of Autho	or (of Geo-Technical report)	1 Manat					<b>^</b>	
DOUG LONDRY, P. Credits Requested per Ea	0. Box 1140, 57 ch Claim in Columns at r	<u>ight</u>		laims Traversed				
Special Provisions	Geophysical	Days per Claim	Prefix	lining Claim Number	Expend. Days Cr.	N Prefix	lining Claim Number	Expend. Days Cr.
For first survey: Enter 40 days, (This	- Electromagnetic	40	Р	825784				
includes line cutting)	- Magnetometer	20		831692				
For each additional surve	ev: - Radiometric		1.5	831693				
using the same grid: Enter 20 days (for ea	- Other			831694	REC			
	Geologicat			831839			D	
	Geochemical			831840	007			
Man Days	Geophysical	Days per Claim		001041			•	
Complete reverse side	- Electromagnetic			831842	HHING L	ND	ΠΩN	
and enter total(s) here	- Magnetometer			831843			1011	
	Radiometric			831844		1.00		· · · ·
	- Other			849485				
	Geological		124 - 22 - 24 - 24 - 24 - 24 - 24 - 24 -			RE	CORDE	D_ -
	Geochemical			849486				
Airborne Credits	Geochemical	Days per		851801			FP 1 7 1985	
Notes Createl requisions	<b>5</b> 1	Claim		851802			EFILIOU	{}
Note: Special provisions credits do not app	bly			851803			-	
to Airborne Surve				851880				<b></b>
xpenditures (excludes p	Radiometric			851881				
Type of Work Performed	bower stripping/	1	<b>D</b>					
Performed on Claim(s)					/ [2]			
			UU					
<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>				off 11 k	102			
Celculation of Expenditure		Total						
Total Expenditures		s Credits						
\$	+ 15 =						nber of mining vered by this	17
Instructions Total Days Credits may	be apportioned at the claim l	older's	,	• • • • • • • • • • • • • • • • • • • •		report of		±/
•	days credits per claim select			For Office Use /s Cr. Date Recorde		Mining	Res Voi 1	1
			Recorded	D June	11/85			
Sept. 17, 1985	Recorded Holder or Agent (	Signature)	100	Ste Approve	d as Recorded		irector	•
Certification Verifying F	Report of Work	0	· • • • • • • • • • • • • • • • • • • •			$\pm 1$		
	ave a personal and intimate k g and/or after its completion f Person Certifying				t of Work ann	exed have to,	having performed th	ie work
	P. O. Box 1140, 5	71 Mone	ta Avenu	ue, Timmins	, Ontario	D P4N 7H	9	,
	· · · · · · · · · · · · · · · · · · ·			Date Certifie			by (Signat(re)	)
362 (81/9)				L Schri	119 1900		anguns for	

REGISTERED

...

.

The section of the se

- 444 Robert States of the second second

いたいと言語の言語を見ていた。

in the second

and the state of the

November 6, 1985

Report Of Work #319

Kidd Creek Mines Ltd P.O. Box 1140 571 Moneta Avenue Timmins, Ontario P4N 7H9

Dear Sir:

RE: Mining Claims P 825784, et al, in Tisdale Township

I have not received the reports and maps (in duplicate) for Geophysical (Magnetometer & Electromagnetic) Surveys on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the Mining Recorder on September 17, 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 November 16, 1985.

If the material is not submitted to this office by November 16, 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

AB/mc

cc: Doug Londry P.O. Box 1140 571 Moneta Avenue Timmins, Ontario Encl. P4N 7H9 Mining Recorder Timmins, Ontario

an francis

- 一部であってき、ころを、熟ましましてき

1

and the second

戦いたいため

Kidd Creek Mines Ltd.

Box 1140 571 Moneta Avenue, Timmins, Ontario P4N 7H9 (705) 267-1188

**Exploration Division** 

November 14, 1985

Mr. Fred Matthews Director, Land Management Branch Whitney Block, Room 6450 Queen's Park TORONTO, Ontario M7A 1W3

Dear Sir:

Re: TISDALE TOWNSHIP

Enclosed please find duplicate copies of a report and maps covering claims in Tisdale Township. The claims aforementioned are P-825784 et al.

Your prompt attention to this matter would be greatly appreciated.

Yours truly,

DOUG LONDRY

DL/pp Encls.





**OFFICE USE ONLY** 

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)	Geophysics	
Township or Area	Tisdale	MINING CLAIMS TRAVERSED
Claim Holder(s)	Kidd Creek Mines Ltd.	List numerically
	P.O. Box 1140, Timmins Ontario	
Survey Company	Kidd Creek Mines Ltd.	P 851801 U
Author of Report	D. Londry	(prefix) (number)
Address of Author	P.O. Box 1140, Timmins Ontario	
Covering Dates of Survey.	July 15, 1985 - November 10, 1985 (linecutting to office)	
Total Miles of Line Cut_		
Total whes of Life Cut_		
SPECIAL PROVISION CREDITS REQUESTE	D av daim	•••••••••••••••••••••••••••••••••••••••
CREDITS REQUESTE	- Geophysical	
ENTER 40 days (includ	tesElectromagnetic	
line cutting) for first	-Magnetometer20	
survey.	-Radiometric	
ENTER 20 days for eac		
additional survey using same grid.	Geological	•••••••••••••••••••••••••••••••••••••••
same griu.	Geochemical	
AIRBORNE CREDITS (S	pecial provision credits do not apply to airborne surveys)	
MagnetometerEle	cetromagnetic Radiometric	
. /		
DATE: Nov. 14/85	_ SIGNATURE . Doug las www.	
Res. Geol	_Qualifications22289	
Previous Surveys	•	
File No. Type	Date Claim Holder	
·····	·····	
		TOTAL CLAIMS1
337 (5/79)		

# GEOPHYSICAL TECHNICAL DATA

g	ROUND SURVEYS	- If more than one survey, s	specify data for each type of survey	
				HL: 65
N	umber of Stations	103	Number of Readings _MAG/	VLF : 103
S	tation interval	20m	Line spacing	100m
P	rofile scale <u>VLF</u> :	$1 \text{ cm} = 10^{\circ}$	HL: $1 \text{ cm} = 10\%$	
С	ontour interval	50 gammas		
c si				
MAGNETIC	Accuracy – Scale co	nstant + 1 gamma	L	
UN	Diurnal correction m	nethodScintrex MF	2-3 Base Station Magnetometer	
WA	Base Station check-in	n interval (hours)30	) seconds	
	Base Station location	and value60	North, Line O West	
		58971	gammas	n
2	Instrument	Apex Parametrics Max	Min I	
<b>IET</b>			٩	
AG	Coil separation	160m		
MO				
ELECTROMAGNETIC	Method:		🗆 Shoot back 🛛 🖾 In line	Parallel line
LEC	Frequency	444 and 1777 Hz	(specify V.L.F. station)	
ഥ	Parameters measured	In-phase and gua	adrature components of secondary	y field measured
			of the primary field.	
	Instrument			
ΥŢ				
<u>GRAVIT</u>	-			
GR			· · · · · · · · · · · · · · · · · · ·	
	Dase station value al		· · ·	
	Elevation accuracy			
	Elevation accuracy			
	Instrument			
:I	Method  Time 1		🔲 Frequency Domain	
			Frequency	
الح			Range	
H		time		
NIX.	•	ation time		
RESISTIVITY	0		······	
2				
	•			
đ	-			
	_ γρε σι ciccuoue			



### SELF POTENTIAL

Instrument	Range
Survey Method	
Corrections made	
RADIOMETRIC	
	s)
•	Background Count
Overburden	(type, depth include outcrop map)
	DRILL WELL LOGGING ETC.)
	VLF - EM
	Scintrex 1GS-2/VLF-4
•	- 1%
Parameters measured_	horizontal field strength and in-phase and quadrature components of vertical field.
Additional information	n (for understanding results) <u>METHOD: Fixed transmitter</u>
	TRANSMITTED STATION: Cutler, Maine
	FREQUENCY: 24.0 KHz.
AIRBORNE SURVEY	<u>'S</u>
Type of survey(s)	
Instrument(s)	
Accuracy	(specify for each type of survey)
	(specify for each type of survey)
Navigation and flight p	bath recovery method
Aircraft altitude	Line Spacing
	areaOver claims only
miles nown over total	

Numbers of claims from which samples taken\_\_\_\_\_

..

Total Number of Samples		HODS
Type of Sample(Nature of Material)		
Average Sample Weight	p. p. r	
Method of Collection	p. p. o	. L
	Cu, Pb, Zn, Ni, Co, Ag,	Mo, As,-(circle)
Soil Horizon Sampled	Others	
Horizon Development	Field Analysis (	tests)
Sample Depth	Extraction Method	
Terrain	Analytical Method	
	Reagents Used	
Drainage Development	Field Laboratory Analysis	
Estimated Range of Overburden Thickness		tests)
	Extraction Method	
	Analytical Method	
	Reagents Used	
SAMPLE PREPARATION (Includes drying, screening, crushing, ashing)	Commercial Laboratory (	tests)
Mesh size of fraction used for analysis	Name of Laboratory	
	Extraction Method	
	Analytical Method	
	Reagents Used	
	General	
General		
		**************************************



**OFFICE USE ONLY** 

837 (5/79)

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 Su	urvey(s)	Geo	physics			
Township	ship or AreaTisdale			MINING CLA	IMS TRAVERSED	
Claim Hole	der(s)	Kić	ld Creek Mines Ltd			umerically
		P.C	). Box 1140, Timmi	ns, Ontario		
Survey Co	mpany	Kić	ld Creek Mines Ltd		P (prefix)	849485 🧹
Author of	Report	D.	Londry		(prenx) P	(number) 849486
			) <u>Box 1140, Timmi</u>		Р	851802 🗸
Covering I	Dates of Surv	ey <u>9.2</u>	Km (linecutting to office)		P	851803 -
	s of Line Cut					651603 ~
<b></b>					P	851880
	<u>L PROVISIC</u>			DAYS	Р	851881
CREDIT	S REQUEST	<u>red</u>	Geophysical	per claim		
ENTER	40 days (inc	ludes	-Electromagnetic.			
	ing) for first	iuuty	-Magnetometer	20		
survey.			-Radiometric			
	20 days for o		-Other (VLF)	20		
	al survey usin	ng	Geological			
same grie	d.		Geochemical			
AIRBORN	E CREDITS	(Special provis	sion credits do not apply to ai	rborne surveys)		
Magnetom	eter		netic Radiom	etric		••••••••••••••••••
	,	-	lays per claim)			••••••••••••••••••••••••••••••••••
DATE:	00.14/8:	SIGNA	TURE: Dangles Author of Reg	o andry		
		· · · · · · · · · · · · · · · · · · ·	Autior di Kej	pyre-or Agent		
				-		•••••••••••••••••
Res. Geol.		Oualif	ications			•••••
Previous Su		~ ~				•••••
File No.	Туре	Date	Claim Hold	er		
						••••••••••••••••••
					• • • • • • • • • • • • • • • • • • • •	•••••
						•••••
						***************************************
	1	••••••			TOTAL CLAIM	S6
	- <b>-</b>					

# GEOPHYSICAL TECHNICAL DATA

<u>D SURVEYS</u> – If more	than one survey, sp	ecify data for each type of sur	vey
			HL: 332
of Stations	488	Number of Reading	gs MAG/VLF: 488
cale <u>VLF: 1 cm</u>	= 10 <sup>°</sup>	HL: 1 cm = 10%	
interval	100 gammas		
ment	Scintrex 1GS-	2/MP-4	
acy – Scale constant	l gamma		
tation check-in interval	(hours) 0 Nor	th, Line 200 West	
tation location and valu	e 58871 Gam	mas	
-			
eparation	120m		
			n line 🗌 Parallel line
ency	444 and 1777 H	z (specify V.L.F. station)	· · · · · · · · · · · · · · · · · · ·
			secondary field
	measured as a	percentage of primary f:	ield.
ment			ne over semantice - see all participants - and the second second second second second second second second second
constant			
ctions made			
tation value and location	n	۲	
	· · · · · · · · · · · · · · · · · · ·	·	
ion accuracy			
,			
ment			
od 🔲 Time Domain		🗀 Frequency	Domain
 neters – On time		Frequency	
- Off time		Range	
– Delay time			
•			
•			
ode spacing			
	of Stations	of Stations 20m nterval 20m interval 100 gammas ment ScintrexIGS- acy - Scale constant 1 gamma al correction method Scintrex_MP-3 itation check-in interval (hours) 0 Noz itation location and value 58871 Gam ment Apex_Parametri onfiguration 120m acy 1 as d: Fixed transmitter ency 444 and 1777 H eters measured In-Phase and g measured as a ment constant tation value and location ion accuracy ment ment Off time Off time Off time Off time Integration time code array	ment       Apex Parametrics Max Min I         onfiguration       Horizontal Loop         eparation       120m         acy       ± 18         id:       □ Fixed transmitter       □ Shoot back       □ In         ency       444 and 1777 Hz       (specify VL.F. station)         eters measured       In-Phase and quadrature components of measured as a percentage of primary f.         ment



### SELF POTENTIAL

Survey Method	Range
Corrections made	
RADIOMETRIC	
Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
	(type, depth – include outcrop map)
OTHERS (SEISMIC, DRILL V	VELL LOGGING ETC.)
Type of survey	VLF - EM
Instrument	Scintrex 1GS-2/VLF-4
Accuracy	+ - 1%

Additional information (for understanding results) <u>METHOD:</u> Fixed transmitter

TRANSMITTER STATION: Cutler, Maine

FREQUENCY: 24.0 KHz.

#### AIRBORNE SURVEYS

Type of survey(s)	
Instrument(s)	y for each type of survey)
Accuracy	
	· · · · · · · · · · · · · · · · · · ·
Aircraft altitude	Line Spacing.
	Over claims only

Numbers of claims from which samples taken\_\_\_\_\_

Total Number of Samples	ANALYTICAL METHOI	05				
Type of Sample(Nature of Material)	Values expressed in: per cent					
Average Sample Weight	p. p. o.					
Method of Collection	Cu, Pb, Zn, Ni, Co, Ag, Mo,	As,-(circle)				
Soil Horizon Sampled	Others					
Horizon Development	Field Analysis (	tests)				
Sample Depth	Extraction Method					
Terrain	-					
Drainage Development						
Estimated Range of Overburden Thickness						
	Extraction Method					
	Analytical Method					
	Reagents Used					
SAMPLE PREPARATION (Includes drying, screening, crushing, ashing)	Commercial Laboratory (te					
Mesh size of fraction used for analysis	Name of Laboratory					
	Extraction Method					
	Analytical Method					
	Reagents Used					
General	General					



**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)G	Geophysics	
Township or AreaT	Lisdale Township	MINING CLAIMS TRAVERSED
Claim Holder(s)K	Kidd Creek Mines Ltd.	List numerically
P	2.0. Box 1140, Timmins Ontario	
Survey CompanyK	Aidd Creek Mines Ltd.	P 825784 🗸
Author of Report D	D. Londry	(prefix) (number) P 831692
Address of Author P	2.0. Box 1140, Timmins, Ontario	P 831693 .
	Uly 15, 1985 - November 10, 1985 (linecutting to office)	p 831694 🗸
Total Miles of Line Cut	.8 Km •	p 831839 /
SPECIAL PROVISIONS	DAYS	P 831840 🗸
CREDITS REQUESTED	Geophysical <sup>per claim</sup> Electromagnetic40	P 831841
ENTER 40 days (includes line cutting) for first	-Magnetometer 20	P 831842
survey.	-Radiometric	P 831843
ENTER 20 days for each additional survey using	-Other (VLF) 20	P 831844
same grid.	Geological	
	Geochemical	
MagnetometerElectr	signature: SIGNATURE: Author of Report of Agent	
Res. Geol.	Qualifications	
Previous Surveys		
File No. Type Da	ate Claim Holder	
<b> </b> ••••••••••••••••••••••••••••••••••••		
<b> </b>	·····	
••••••		TOTAL CLAIMS10

**OFFICE USE ONLY** 

# GEOPHYSICAL TECHNICAL DATA

C	ROUND SURVEYS	S - If more than	one survey, sp	ecify data for each t	ype of survey	
						HL : 614
N	umber of Stations_	881		Number	of ReadingsMAG/1	/LF : 881
S	tation interval	20m		Line spa	cing	100m
	rofile scale		20 <sup>0</sup>	HL: 1 cm = 20%		
С	ontour interval	200 gammas				. <u></u> ,
сı	Instrument	Scintrex 10	SS-2/MP-4			
MAGNETIC	Accuracy – Scale c	constant	.l gamma			
UN	Diurnal correction	method Sc	cintrex MP-3	Base Station M	agnetometer	9.998
W	Base Station check	-in interval (hour	s <u>) 30 second</u>	S		
	Base Station location	on and value	300 North	, Line 500 West		
		ni kaan daad afalah yoo y	58660 gam	mas		
Ŋ	Instrument		Apex Para	metrics Max Mi	n_I	
<b>ELECTROMAGNETIC</b>	Coil configuration	<del>,</del>	Horizonta	l Loop	· · · · · · · · · · · · · · · · · · ·	
	Coil separation		160 Metre	S	NN-1997	
	Accuracy		<u>+</u> 1%			
TR					🕱 In line	🗔 Parallel line
LEC	Frequency		444 and 1	777 Hz (specify V.L.F. station)		· · · · · · · · · · · · · · · · · · ·
ш					components of se	condary field
					of primary fiel	-
	Instrument					
	Scale constant					
ΥŢ						
GRAVIT						
GR						
	Elevation accuracy		·			
	,					
	Instrument					· · · · · · · · · · · · · · · · · · ·
1	Method 🗔 Time	Domain			Frequency Domain	
	Parameters – On ti	ime		]	Frequency	······
X	– Off t	ime		1	Range	
ΠΛ	– Delay	y time				
[ST]	— Integ	gration time				
RESISTIVITY	Power					
	Electrode array					
	Electrode spacing.					
	Type of electrode.	<u> </u>				

INDUCED POLARIZATION



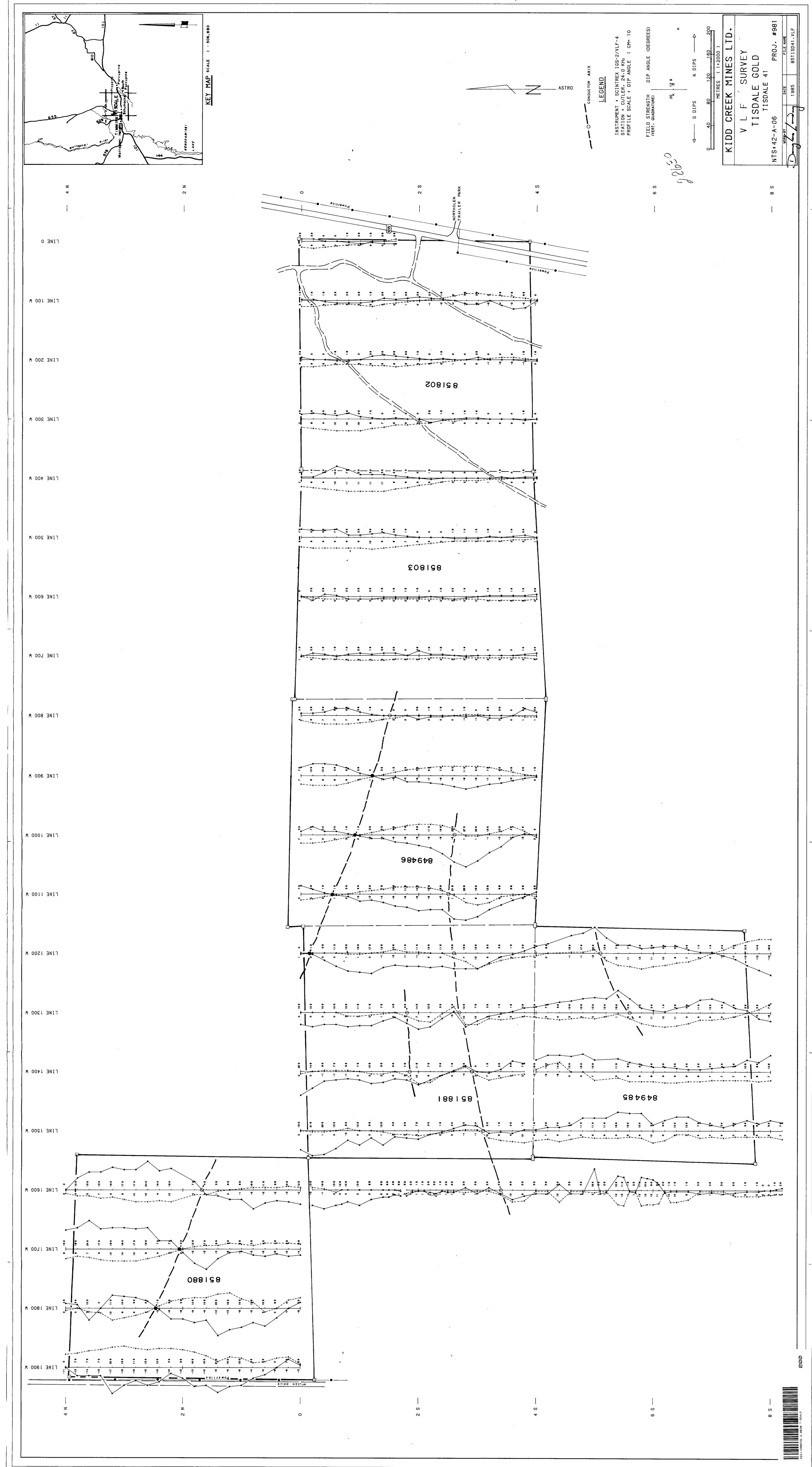
### SELF POTENTIAL

Instrument	Range	
Survey Method		
Corrections made		
RADIOMETRIC		
Instrument		
<b>.</b>	Background Count	
	Duckground Count	
	(type, depth – include outcrop map)	
OTHERS (SEISMIC, DRILL W	ELL LOGGING ETC.)	
Type of survey	VLF - EM	
Instrument	Scintrex 1GS-2/VLF-4	
Accuracy	+ - 1%	
Parameters measured	Horizontal_field_strength_and_in-phase_quadrature	
	components of vertical field.	
Additional information (for und	lerstanding results) <u>METHOD: Fixed transmitter</u>	
••••••••••••••••••••••••••••••••••••••	TRANSMITTER STATION: Cutler, Maine	
	FREQUENCY: 24.0 KHz.	<u> </u>
AIRBORNE SURVEYS		
Instrument(s)	(specify for each type of survey)	
Accuracy	(specify for each type of survey)	
Sensor altitude		
Navigation and flight path recov	ery method	
Aircraft altitude	Line Spacing	
Miles flown over total area	Over claims only	

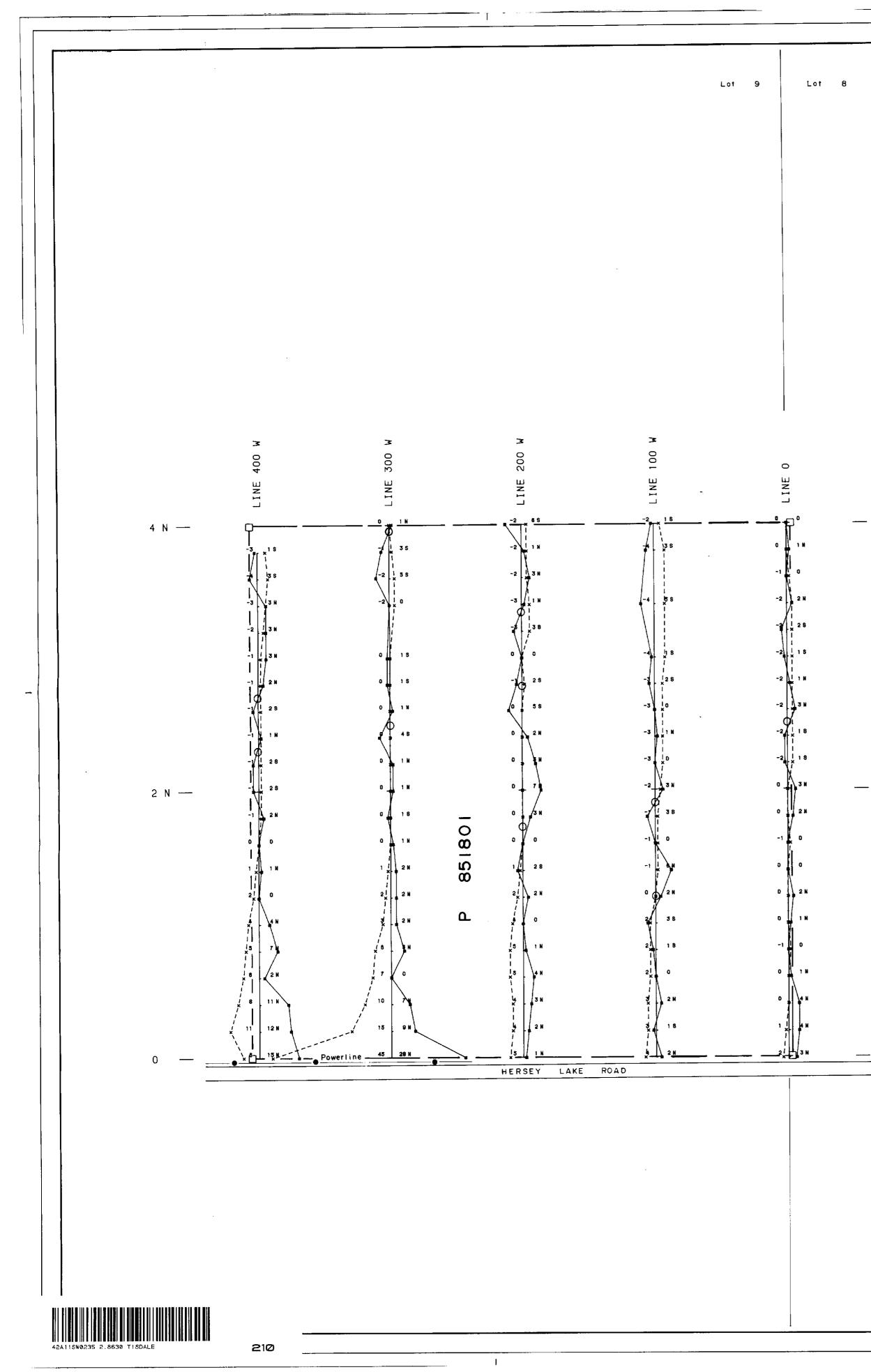
Numbers of claims from which samples taken\_\_\_\_\_

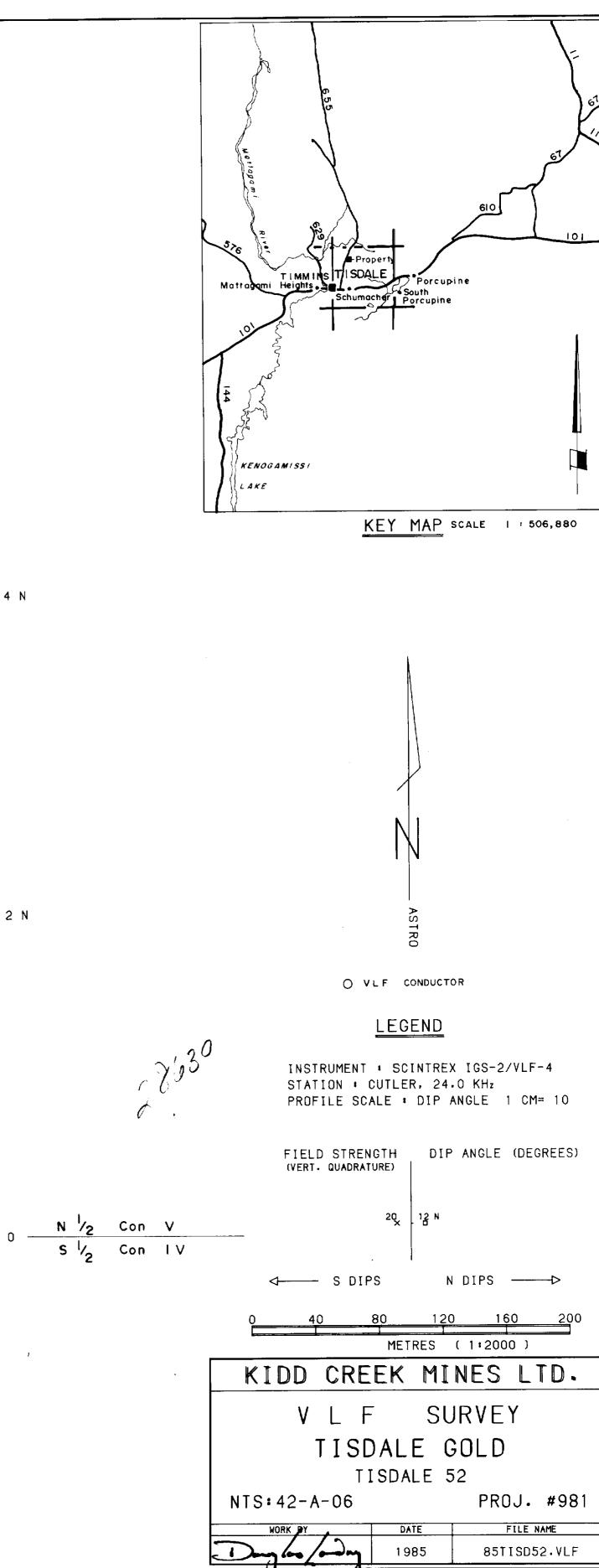
.

Total Number of Samples	<u>Mandri Hond Mernovo</u>								
Type of Sample(Nature of Material)	Values expressed in: per cent								
Average Sample Weight	p. p. m. □ p. p. b. □								
Method of Collection	• •								
Soil Horizon Sampled	Others								
Horizon Development	Field Analysis (tests)								
Sample Depth	Extraction Method								
Terrain									
	Reagents Used								
Drainage Development	Field Laboratory Analysis								
Estimated Range of Overburden Thickness									
	Extraction Method								
	Analytical Method								
	Reagents Used								
SAMPLE PREPARATION (Includes drying, screening, crushing, ashing)	Commercial Laboratory (tests) Name of Laboratory								
Mesh size of fraction used for analysis	Extraction Method								
•									
	Reagents Used								
	General								
General									
	·····								

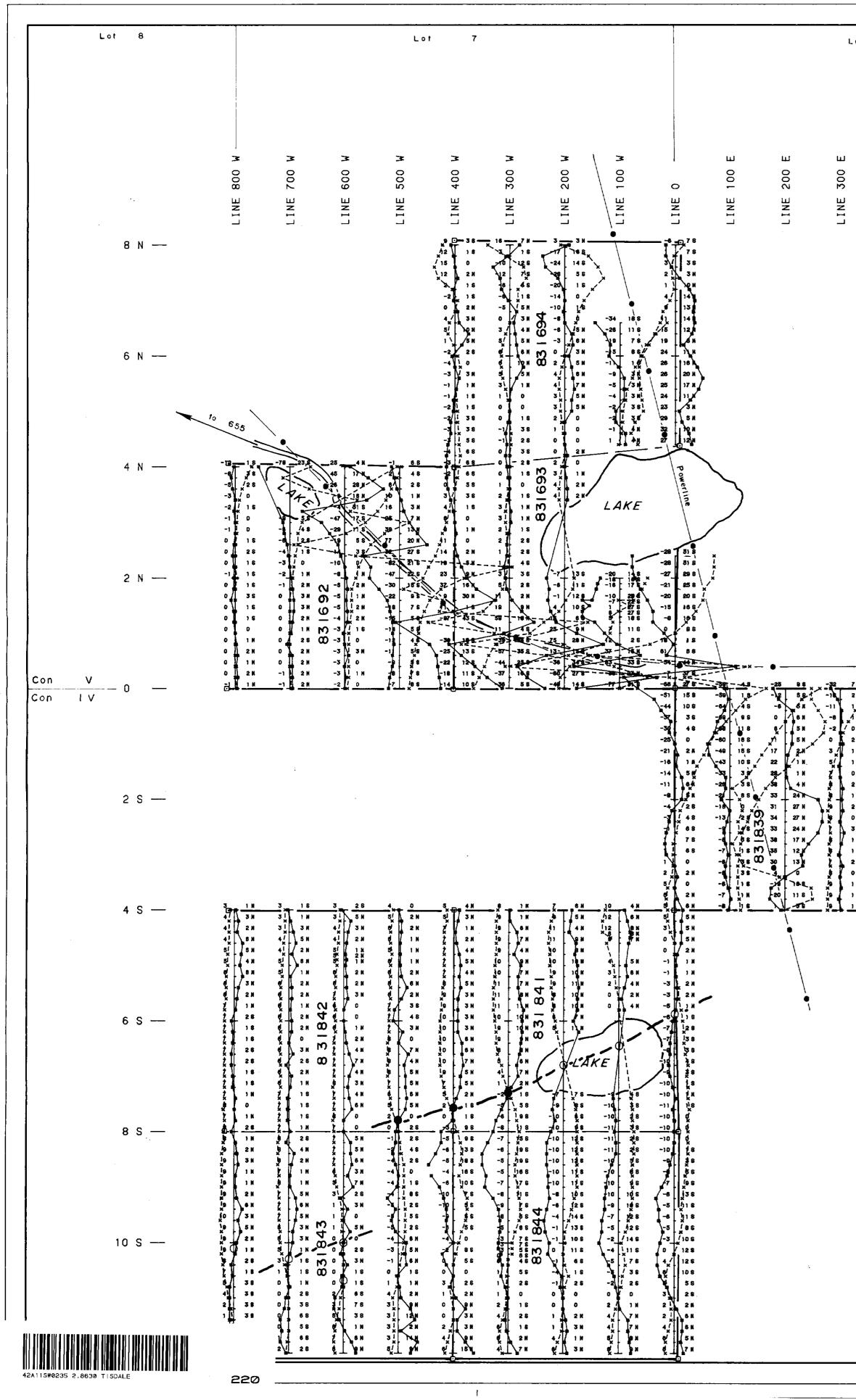


ł

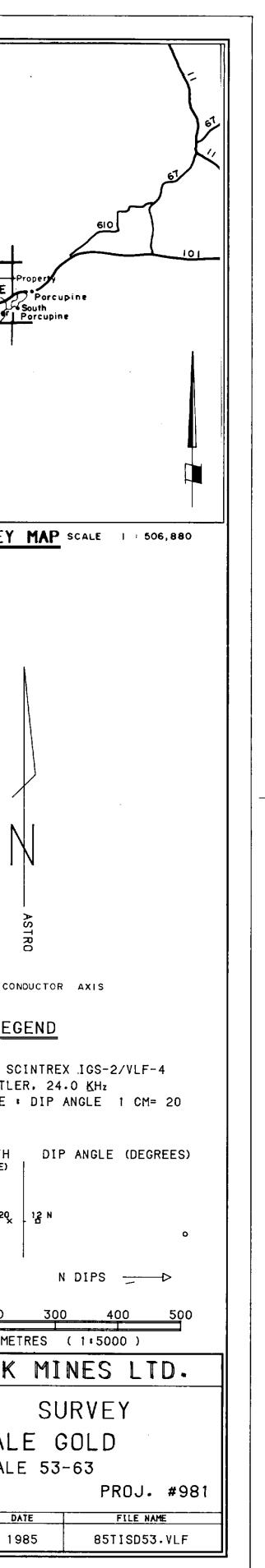


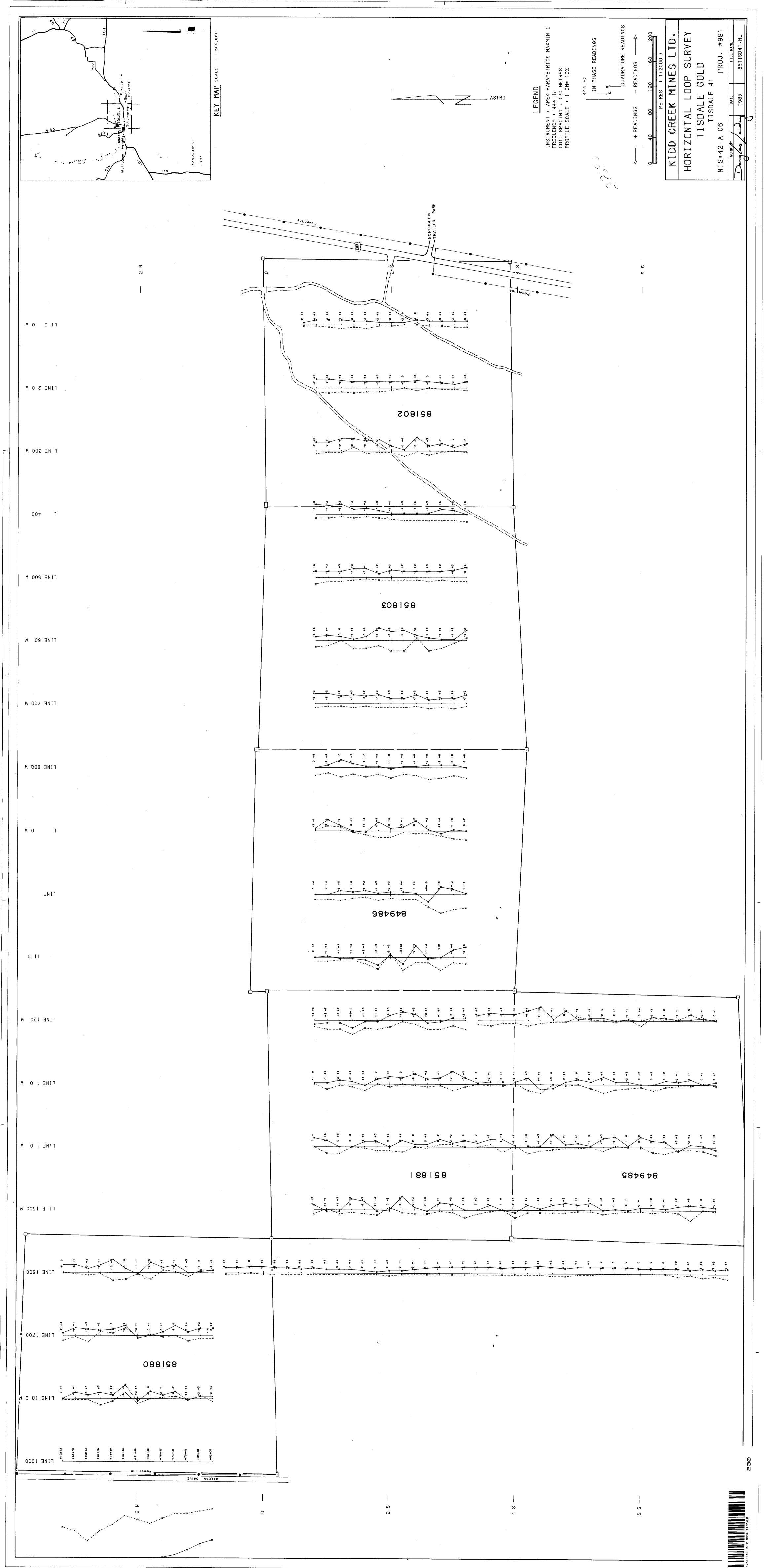


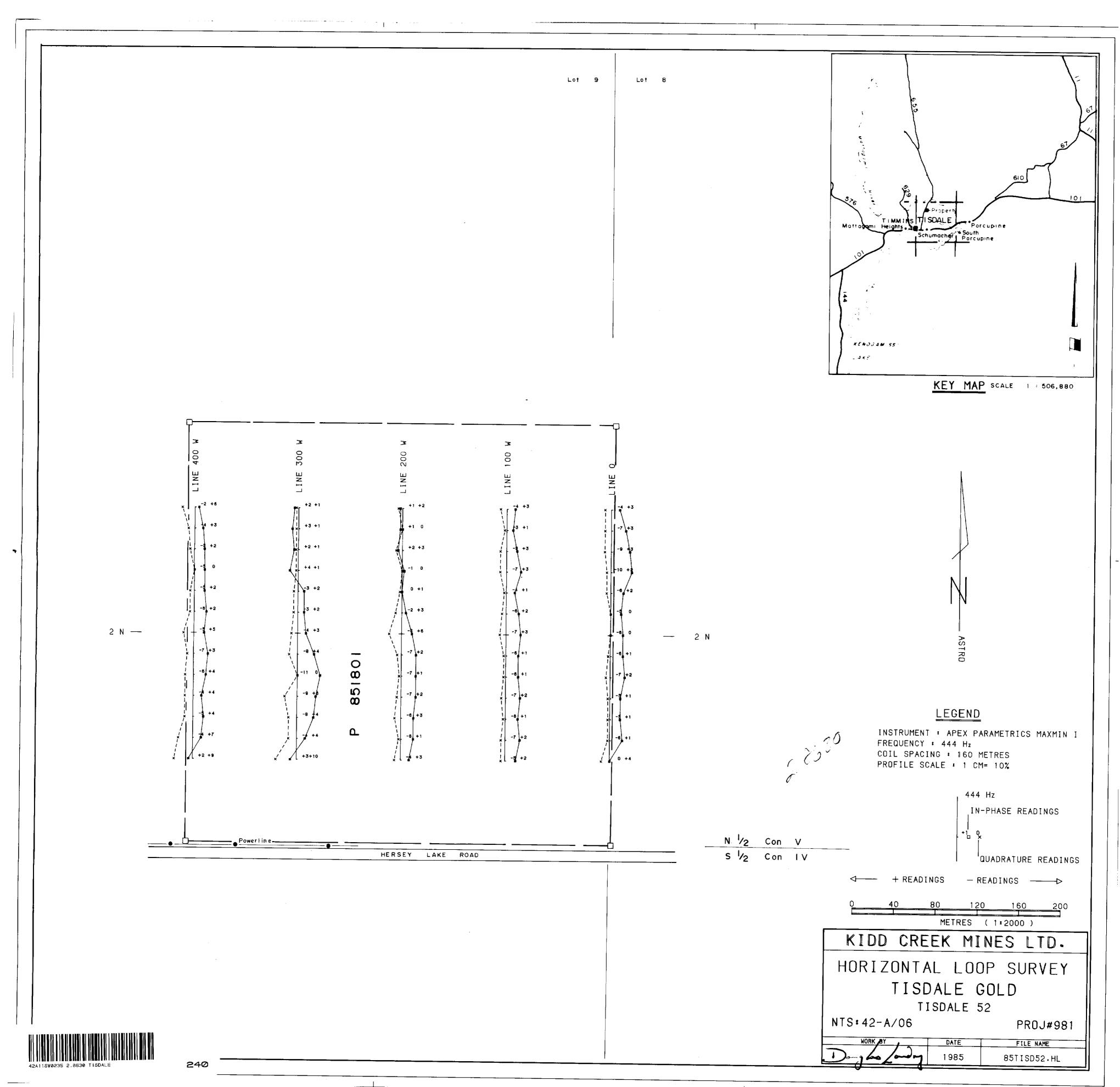
I

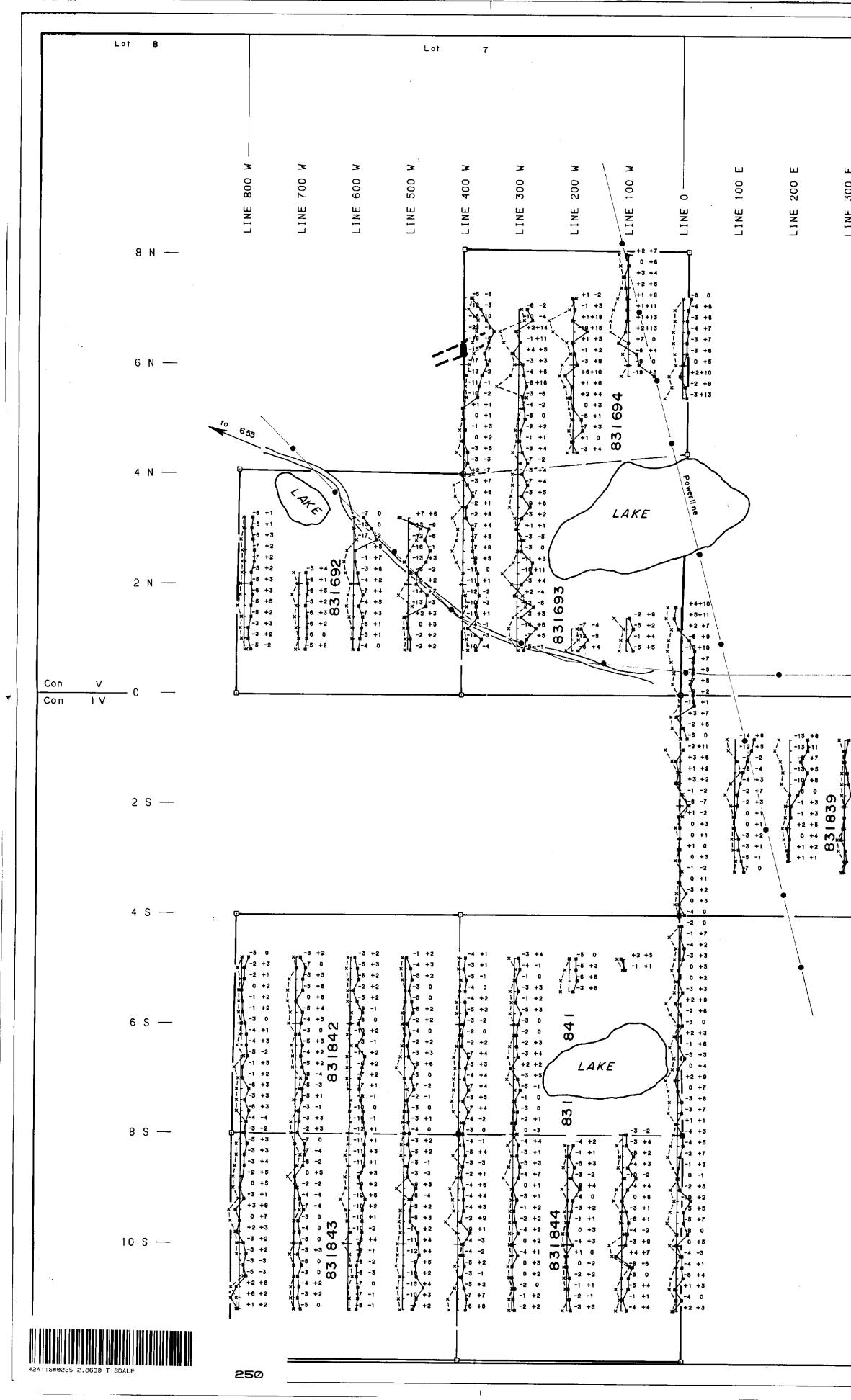


		1								1			
6.53	5			Lot	· ·							t 6	Lot
TIMMINS TISDALE Schumacher Schumacher	376	8 <b>1</b> 1		LINE 1200 E	LINE 1100 E	LINE 1000 E	LINE 900 E	LINE 800 E	LINE 700 E	LINE 600 E	LINE 500 E	LINE 400 E	
ENOGAMISSI	I I I I I I I I I I I I I I I I I I I	6 <b>N</b>											
AKE <u>KEY</u>		_4 N				•					-		
		2 N	_								、		
/	Con V Con IV	<u> </u>	-			-8 199 0 238 -8 x88 -9 158 -9 16 -10 2 H	98 1 11 98 1 11 48 -3 3 38 -5 1 0 5H -7 11 5H -7 12	8 1   18 1   10 -10	6 <u>H x -10 3</u> 8H1 4 8H1 4 5H1 4 5S -7 10 4S -5 70	$\begin{array}{c} 0 \\ 3 \\ 3 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7$	B -21 0 N -10 3 N -6 5 N -2 7 -2 2 -2 2	-14 1 -7 24 -4 /11 -1 / 0	78 28 1 M 4 M 2 M
		2 S	_	а -7 -3 -7 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	<b>**</b>	825874 4 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	+H     -8     151       7H     -8     161       7H     -8     17       7H     -8     17       7H     -8     17       7H     -8     17       7H     -8       7H		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} -6 & 1 \\ -6 & 1 \\ 3 \\ 3 \\ -5 \\ -5 \\ -5 \\ -5 \\ -4 \\ -4 \\ -4 \\ -4$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1 N 2 N 2 N 2 N 3 N 3 N 3 N 1 N 3 N 1 N 2 N 3 N 1 N 5 N 1 N 5 N 1 N 5
INSTRUMENT : SO STATION : CUTLE PROFILE SCALE :		4 S				, <u>  28</u>	H 1 21 H 1 21 S 6			28 - 13 18 - 13 18 - 13	8 -5   1 8 -5   1 8 -5   1		2 N 0 3 N 3 S 3 N
FIELD STRENGTH	72550	6 S									·		
	0 E	-8 S											
KIDD CREEK V L F TISDAL TISDALI	K	10 S							·				
*42~A-06		- 12 S											
		F								1			









- 5 = - 5 = - 2			1					<u></u>			<u></u>			
	Lot	6							L	.ot 5		<u> </u>		
- 48 KIDD CREE - 10 S KIDD CREE - 10 S KIDD CREE	300	400	500	600	700	900	006	1 0 0 0	1100	1200		8 N		
- 4H $- 2H$												6 N		<b>) ) (</b>
$= 2 S$ $= 4 S$ $= 8 S$ $= 8 S$ $= 10 S$ $= 10 S$ $= 0 \frac{Con}{Con} \frac{v}{V}$ $= 2 S$ $= 4 S$ $= 8 S$ $= 8 S$ $= 10 S$ $= 10 S$ $= 10 S$												4 N		<u>KE</u>
= 2  s $= 4  s$ $= 4  s$ $= 6  s$ $= 8  s$ $= 10  s$											_	2 N		
$-4s$ $-4s$ $-4s$ $-8s$ $-8s$ $-8s$ $-10s$ $\frac{KIDD CREE}{VISUUMAN}$ $-10s$ $\frac{KIDD CREE}{VISUUMAN}$ $-10s$ $\frac{KIDD CREE}{VISUUMAN}$	•••••••••••••••	-1 +3	×	× -3 +5 × -4 0	x <sup>7</sup> -6 +7		K -1 +3 ↓ -3 +3	Ĵ <u></u> 0 +1		× -1 +3		0		
$-4 s$ $-4 s$ $\frac{1}{10000000}$ $-6 s$ $-8 s$ $\frac{1}{10000000}$ $\frac{1}{100000000}$ $\frac{1}{10000000000000000000000000000000000$	+1 0		1 -6 +2 1 -6 +2 1 -4 +3 1 -5 +3 1 -4 +2 1 -4 +2 1 -4 +2 1 -4 +2 1 -4 +2 1 -4 +3 1 -5 +2 1 -	<b>D H</b> -2 +2 <b>D H</b> -3 +2 <b>D H</b> -1 +1 <b>D H</b> -3 +2 <b>D H</b>	x -3 -2 x -3 +2 -4 0 -5 +7 x -3 +1 x -4 +2 x -4 +2	-5 0 +3 +3 -4 -2 0 -3	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	825784 +1 +5 0 +4 0 +5 1 +2 1 +	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c}                                     $		2 S		
- 8 S $- 10 S$		1 	<u>↓</u> -2 0	¥ <u></u> -4 +1	, <b>1 1 1 −</b> 2 <b>+</b> 3	Ĩ <b>k k k k k k k k k k</b>		x ( ) -3 +5	[ <u>]</u> -5 -3			4 S		INSTRUMENT : A FREQUENCY : 4 COIL SPACING PROFILE SCALE
- 8 S - 100 20 KIDD CREE HORIZONTAL TISDA TISDA NTS: 42-A/06												6 S		2.8630
- 10 S HORIZONTAL TISDA NTS: 42-A/06												8 S		
												10 S	·	WORKEY

