KIDD CREEK MINES LTD.

ASSESSMENT REPORT

ON

REID CENTRAL CLAIMS

REID TOWNSHIP, ONTARIO

PROJECT #204, NTS: 42-A-12

APRIL 1986

PETER McILVENA

Associate Geophysicist

SUMMARY AND RECOMMENDATIONS

Several north northwest trending diabase dykes as well as two east-west magnetic anomalies were located on the claim group. The background magnetic field was otherwise flat, showing no additional features. The VLF survey indicated no bedrock conductors.

The HLEM results indicated three good conductors which parallel known local stratigraphy. The eastern extent of Anomaly E should be investigated geophysically with follow-up drilling, and Anomaly A - A' should be probed by a high power geophysical method to delineate its geometry.

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INTRODUCTION

Magnetic, very low frequency (VLF), and horizontal loop electromagnetic (HLEM) surveys were conducted over 51 contiguous claims in central Reid Township (Figure 1 & 2.)

The claims are located 31 kilometres north northwest of the city of Timmins, west of the Mattagami River, and are numbered as follows:

P 849224 to P 849251 inclusive

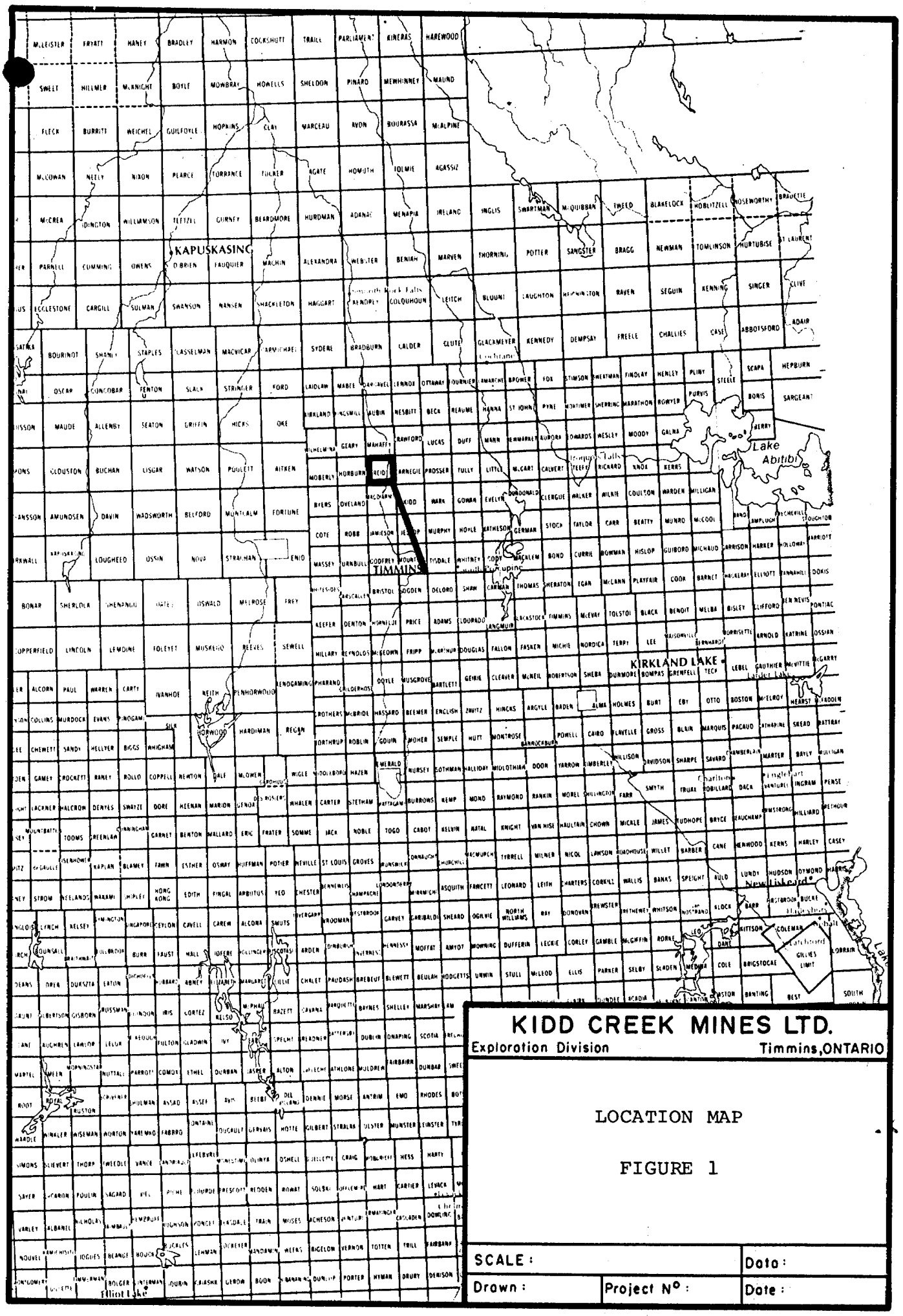
P 849264 to P 849281 inclusive

P 849337, P 849342, P 849347, P 849348, P 849350

Land access to the property is difficult. It can easily be reached by helicopter from the Timmins airport, 25 km to the southeast. Land transportation for tracked vehicles is eastward along 13 km of muskeg roads from a departure point 1 km south of Abitibi Price Camp 41 on the main lumber access road in Thorburn Township. Motor vehicles can get within 2 km to the southeast of the property on the east side of the Mattagami River by travelling 17 km along Camp 40 road (in Carnegie Township) off Highway 655.

Alternative transportation is by boat along the Mattagami River, 29 km north from Sandy Falls in Mountjoy Township.

In the winter, the property can be reached by truck or



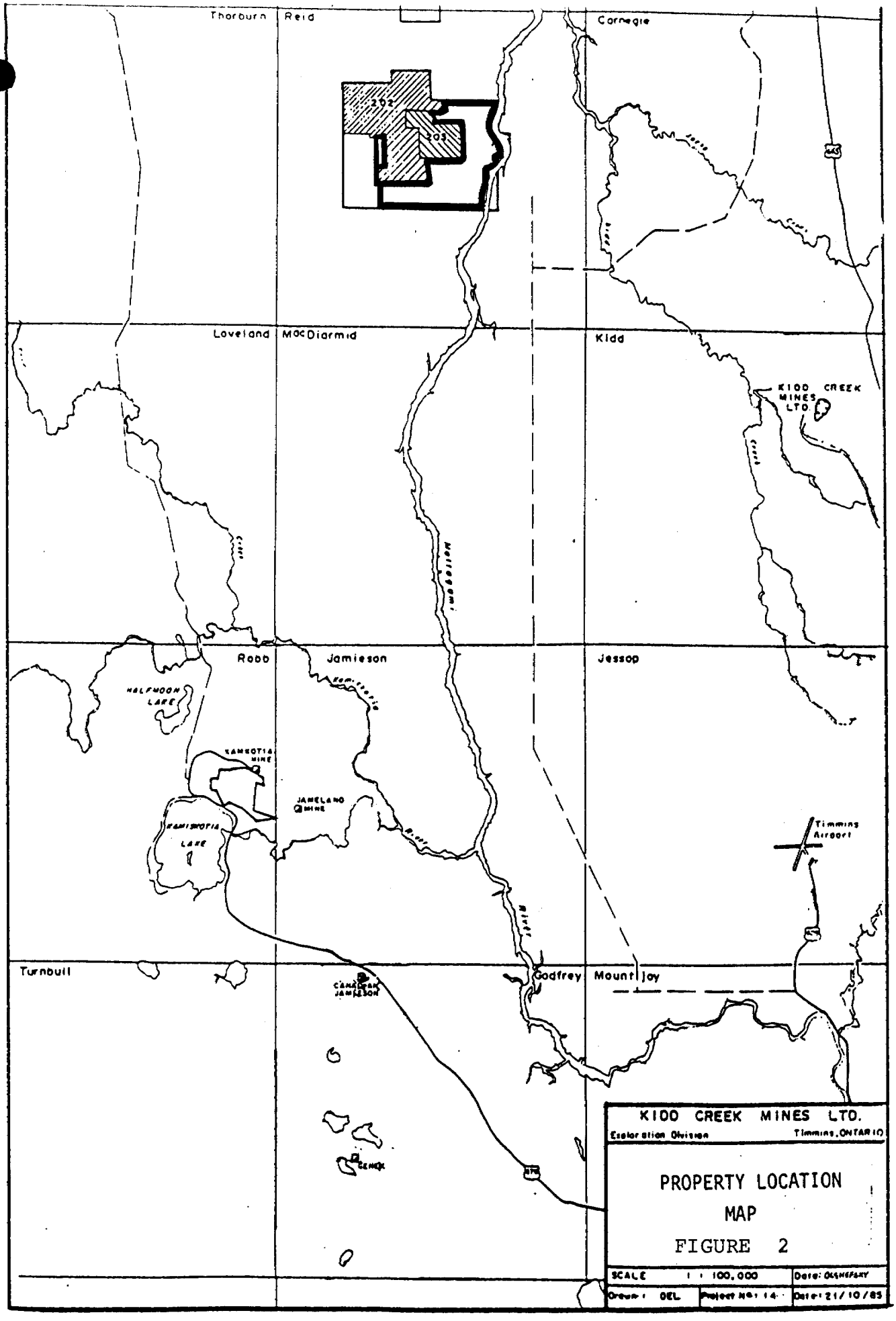
KIDD CREEK MINES LTD.

Exploration Division — Timmins, ONTARIO

LOCATION MAP

FIGURE 1

SCALE :		Data :
Drawn :	Project N° :	Date :


Thorburn
Reid
Carnegie
202
203
Loveland
MacDiarmid
Kidd
KIDD CREEK MINES LTD.
Robb
Jamieson
Jessop
HALFMOON LAKE
KAMISKOTIA MINE
JAMELAND MINE
KAMISKOTIA LAKE
Timmins Airport
Turnbull
Godfrey
Mountjoy
CANADIAN JAMESON
KIDD CREEK MINES LTD.
Exploration Division
Timmins, ONTARIO
PROPERTY LOCATION MAP
FIGURE 2
SCALE 1 : 100,000
Date: DECEMBER
Drawn: DEL
Project No: 14
Date: 21/10/85

snowmobile along any of the above mentioned roadways.

The Reid claims were surveyed geophysically by R. Daigle, S. Halladay and S. Olink in September 1985 and by R. Gadzala, P. McIlvena, S. McLean and M. Russell in January 1986.

PREVIOUS WORK

The following is a concise list of work done on all or parts of the Reid claim group. A more detailed list is given in Appendix I.

1964	Noranda R. Allerston	T 1306	Mag
1964	Canadian Javelin	T 935	AEM, MAG, HL. D.D.H.
1964	Duvan Copper Co. Ltd.	T 1008	MAG, EM.
1964-65	Patino Mining Corp'n	T 936	MAG, EM. D.D.H.
1965	Mespi Mines Ltd.	T 741	MAG, HL.VLEM,GRAV,D.D.H.
1965	Mercury-Chipman Co. Ltd.	T 1189	VLEM, MAG.
1970-71	Hollinger Mines Ltd.	T 560	MAG, HL, AEM
1974	Newmont	T 40	AEM, MAG, IP (gradient)
1975	Phelps Dodge Corp'n	T 1702	MAG, VLEM, HL.
1978	Geophysical Engineering Ltd.	T 1898	D.D.H.
1980-81	Gulf Minerals Canada Ltd.	T 1929	AEM, MAG.
1981	Gulf Minerals Canada Ltd.	T 2367	HL, MAG.

SURVEY DETAILS

A line bearing 90° coincident with the line separating claims P849241 and P849250 was established as a base line. Crosslines were then cut at 100 metre intervals and stations established every 20 metres.

VLF and magnetic readings were recorded on a Scintrex IGS-2 system. The total magnetic field accuracy of the unit being +/- 0.1 nT. The VLF station used was Cutler, Maine (24.0 kHz). The in phase and quadrature readings were expressed as a percentage of the primary field to an accuracy of +/- 1%. A total of 3233 stations were sampled along 88.2 km. of lines.

The HLEM readings were taken with an Apex Parametrics Max Min I at frequencies of 444 Hz and 1777 Hz with a coil separation of 160 metres. Readings were recorded at 2990 stations along 88.2 km of lines.

SURVEY RESULTS

Magnetics

Diabase dykes, trending north northwest, form the majority of magnetic features. The background magnetic signature is otherwise flat and shows no specific trends. Anomalies "X" and "Y", the only other features, trend

east-west and parallel the stratigraphy. Dextral faulting during intrusion of the diabase dykes appears to have displaced anomaly "X" by about 40 m. Both "X" and "Y" are anomalies produced by bodies extending to great depth. The small outcrop at the Mattagami R. shoreline suggests these bodies may be pillow or pillow breccia mafics (Olshevsky, K., 1986)

VLF

A bed or beds of high clay (up to 100%) is believed to extend beneath the entire grid (E. Woods pers. comm., E. Woods 1986). The contact between this clay and bedrock is the most likely cause of Anomaly "B" and the smaller responses north of "B". Anomalies "C" and "D" are also surficial in origin and coincide precisely with streams. Anomaly "A" occurs 150 m south of the HLEM anomaly of the same name. Since it (VLF anomaly) has no HLEM counterpart, it too is the result of a surficial conductor. The large amount of clay in the overburden prevents the VLF method from 'seeing' bedrock conductors in this area.

HLEM

Three anomalies were located on the grid. Anomaly E, to the northeast, has a highly conductive source (TABLE 1) and parallels magnetic anomaly "Y", 100m to the south. The

eastern extent of the anomaly should be investigated as it reaches only 100m. onto the grid. Anomaly, "A" highly conductive, and "A'", moderately conductive, occur as one continuous response on the 1777 Hz map. The conductor likely thins out beyond the resolution of 444 Hz mode in the region between "A" and "A'". The extent of the "A-A'" conductor should be further investigated by a more powerful geophysical method before exploratory drilling.

P. McILVENA.

TABLE 1 444 Hz. 160m. Coil Separation

Anomaly	Line	Anomaly Center	Anomaly Width	Indicated Depth	I P Max.	O P Max.	Response Parameter	Conductivity Thickness	Remarks
A	800 E	5+30 N	40m	66m	-12	-3		65.5	1. Steep northerly dip assumed for all conductors. (80-90 degrees)
	900 E	5+40 N	18m	78m	-8	-2		56.3	
	1000 E	5+40 N	18m	49m	-14	-9		22.2	
	1100 E	5+30 N	10m	31m	-18	-15		15.1	
	1200 E	5+00 N	5m	58m	-8	-7		14.1	
A'	1500 E	6+20 N	2m	47m	-2	-5		3.0	
	1600 E	6+60 N	2m	65m	-3	-4		5.0	
	1700 E	6+20 N	?	?	?	?		?	
	1800 E	5+80 N	5m	67m	-7	-5		17.4	
E	1700 E	17+80 N	?	?	?	?		?	
	1800 E	17+60 N	5m	69m	-12	-2		100.5	
	1900 E	17+50 N	5m	57m	-19	-1		375.4	

TABLE 2 1777 Hz. 160m. Coil Separation

Anomaly	Line	Anomaly Center	Anomaly Width	Indicated Depth	I P Max.	O P Max.	Response Parameter	Conductivity Thickness	Remarks
A	800 E	5+50 N	15m	87m	-5	-1		7.8	* see note 1 TABLE 1.
	900 E	5+30 N	15m	82m	-4	-3		3.5	
	1000 E	5+40 N	15m	50m	-18	-7		10.8	
	1100 E	5+30 N	10m	24m	-28	-17		5.7	
	1200 E	5+20 N	5m	40m	-16	-12		4.4	
	1200 E	6+10 N	?	?	?	?		?	
	1300 E	6+70 N	2m	17m	-12	-19		1.7	
	1400 E	6+45 N	2m	56m	-7	-7		2.9	
	1500 E	6+25 N	15m	45m	-5	-8		1.4	
	1600 E	6+50 N	20m	41m	-9	-11		2.3	
	1700 E	6+20 N	10m	31m	-7	-12		1.4	
	1800 E	6+00 N	2m	50m	-9	-9		3.0	
	1900 E	5+50 N	3m	28m	-3	-8		0.7	
E	1700 E	17+40 N	15m	73m	-7	-4		5.7	
	1800 E	17+60 N	1m	82m	-7	-2		12.8	
	1900 E	17+40 N	1m	70m	-10	-1		12.8	

REFERENCES

Olshefsky, K. 1986: Geological Report, Central Reid Township Properties.

Woods, E. 1986: Report on Overburden Drilling, Reid Township.

APPENDIX I

PREVIOUS WORK

PREVIOUS WORK FOR APPENDIX I

No exploration work was recorded for these claims prior to the discovery of the Kidd Creek Mine in 1964. In subsequent years, exploration companies conducted airborne and ground geophysical surveys with the more favourable targets being diamond drilled. Geological mapping was not extensive due to a limited number of outcrops.

In 1964, Duvan Copper Company Limited (Assessment File #T-1008) conducted magnetic and EM surveys over claims P-849233 and P-849240 to P-849242 inclusive. In the same year Patino Mining Corp. (File T-936) conducted magnetic and EM surveys over an eight claim group including claims P-849251, P-849244, P-849264, P-849265, P-849266 and P-849267. The EM survey delineated a weak, west-trending anomaly in the northeast corner of the property and a very weak northeast trending anomaly approximately 400 m to the south. In March of 1965, a 170 m diamond drill hole oriented 190° and dipping 50°, tested the northern most conductor. A medium to fine grained gabbro was sectioned with no conductive rocks cut by the hole.

In June 1964, Canadian Javelin Limited (File T-835) had an airborne electromagnetic and magnetic survey flown over two areas which include present day claims P-849226 to P-849229 and P-849276 to P-849279, P-849337 to P-849353 and

P-849276 to P-849281. Follow up ground magnetic, HEM and VEM surveys were conducted over the same area in July of that year. A HEM anomaly in the southwest corner of claim P-849279 was tested with a 184 m diamond drill hole K-1/1 at L11+80W, 8+50S. No conductor was intersected in drilling and the anomaly was attributed to conductive overburden.

In 1964, Mespi Mines Limited (File T-741) had airborne magnetic and electromagnetic surveys flown on northeasterly lines over claims P-849339 and P-849340 as part of a larger area to the north. Follow up ground magnetic, electromagnetic and gravity surveys were conducted between 1965-1966 by Mespi.

In June 1965, Mercury-Chipman Company Limited carried out an EM survey over 12 claims correlating with the north half of present day claim P-849251, claims P-849243, P-849242, P-849232, P-849231, P-849224 and roughly a 6 claim area in between. A total of seven EM anomalies were detected. However, no additional work was files.

In 1972, Hollinger staked ground currently covered by claims P-849337, P-849338, P-849343 and P-849342. Magnetic and HEM surveys over the claims within the same year indicated the presence of two weak conductors similar to overburden responses. The magnetic survey suggests two north trending dykes occur in the northeast and a mafic intrusive is inthe northwest portion of the property (File T-560).

In June of 1972, Newmont Mining Corporation of Canada Limited (File T-40) carried out magnetic, resistivity and IP surveys over a claim group which included claims 849240 to 849251, P-849275 to P-849281, P-849346 to P-849351 all inclusive, P-849337, P0849338, P-849343, P-849342, P0849271 and P-849272. The surveys were conducted on 365 m spaced lines and on 182 m lines in anomalous areas (T-40). In June of 1974 Newmont conducted a magnetic survey on claims P-849224 to P-849228 and P-849233 to P-849236 inclusive.

In April 1975, Phelps Dodge Corporation of Canada Limited (T-1802) conducted electromagnetic and magnetic surveys over two areas containing current claims P-849239 to P-849241 inclusive and claims P-849244, P-849267, P-849264, and the south half of claim P-849251. The same weak northeasterly trenching EM anomaly that had been diamond drilled by Patino Mines and 1965 was located on current claims P-849251 and P-849244. A second easterly striking EM conductor in the south half of claim P-849240 was thought to be more favorable and drilling was recommended (T-1702). Although no further work is recorded, felsic and mafic drill core was found in 1985 near the vicinity of the proposed drill site, suggesting that Phelps Dodge company did drill the anomaly.

In 1979, Gulf Minerals Canada Limited (T-1929) drilled eight overburden holes on or about claims P-849276,

P-849264, P-849271, P849272, P-849246, P-849235 and P-849233. The holes were part of an extensive overburden drill program in Reid and Loveland townships. Geochemistry filed as assessment is reported as average values within individual holes. Stratigraphic anomalies may be hidden by the averaging. Data is presented in such a manner that correlation of geochemical results cannot be made with Kidd Creek Mines Exploration overburden holes. (Personlal communication Joe Alcock,, 1985). In 1980 Gulf Minerals flew an electromagnetic survey over Reid and Loveland Townships which included claims as far east as the Mattagami River.

Ministry of Northern Development and Mines
Ontario

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

2.9072 #1 19/86 a

Mining

Instructions: Please type or print

42A13SE0068 2.9072 REID

900

AMENDED FROM April 22/86

Type of Survey(s)
GEOPHYSICAL

REID TOWNSHIP

Claim Holder(s)
KIDD CREEK MINES LTD.

Prospector's Licence No.
T-1848

Address
571 Moneta Ave., Box 1140, Timmins, Ontario P4N 7H9

Survey Company
KIDD CREEK MINES LTD.

Date of Survey (from & to)
Day 01 Mo. 09 Yr. 85 — Day 28 Mo. 01 Yr. 86

Total Miles of line Cut
88.2 km

Name and Address of Author (of Geo-Technical report)
P. McIlvena, 571 Moneta Ave., Box 1140, Timmins, Ontario P4N 7H9

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 HLEM	20
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other VLF	20
	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	

RECEIVED APR 28 1986 MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
P	849224	
	849225	
	849226	
(see attached list)		

Prefix	Number	Expend. Days Cr.

PORCUPINE MINING DIVISION RECEIVED APR 28 1986

PORCUPINE MINING DIVISION RECEIVED APR 29 1986

Total number of mining claims covered by this report of work: 51

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
3,060	April 28/86	Stanley
	Date Approved as Recorded: see revised statement	Branch Director

Date: April 25/86

Recorded Holder or Agent (Signature): C. McIlvena

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
P. McIlvena, Box 1140, Timmins, Ontario P4N 7H9

Date Certified: April 25, 1986

Certified by (Signature): C. McIlvena

1362 (85/12)

MINING CLAIMS SURVEYED (Continued)

Mining Claim	Expend. Days Cr.
P-849227	40
P-849228	40
P-849229	40
P-849230	40
P-849231	40
P-849232	40
P-849233	40
P-849234	40
P-849235	40
P-849236	40
P-849237	40
P-849238	40
P-849239	40
P-849240	40
P-849241	40
P-849242	40
P-849243	40
P-849244	40
P-849245	40
P-849246	40
P-849247	40
P-849248	40
P-849249	40
P-849250	40
P-849251	40
P-849264	40
P-849265	40
P-849266	40
P-849267	40
P-849268	40
P-849269	40
P-849270	40
P-849271	40
P-849272	40
P-849273	40
P-849274	40
P-849275	40
P-849276	40
P-849277	40
P-849278	40
P-849279	40
P-849280	40
P-849281	40
P-849337	40
P-849342	40
P-849347	40
P-849348	40
P-849350	40

April 28/86.

B. McEwen

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) Geophysical

Township or Area Reid Township

Claim Holder(s) Kidd Creek Mines Ltd., Box 1140,
571 Moneta Ave., Timmins, Ontario. P4N 7H9

Survey Company Kidd Creek Mines Ltd.

Author of Report Peter McIlvena

Address of Author P.O. Box 1140, Timmins, Ontario P4N 7H9

Covering Dates of Survey Sept. 1,85 - Feb 1,1986
(linecutting to office)

Total Miles of Line Cut 88.2 km.

SPECIAL PROVISIONS CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic HLEM	20
–Magnetometer	20
–Radiometric	
–Other VLF	20
Geological	
Geochemical	

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

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

DATE: April 23, 1986 SIGNATURE: P. McIlvena
Author of Report or Agent

Res. Geol. _____ Qualifications 2.8221

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

see attached list

(prefix) (number)

If space insufficient, attach list

TOTAL CLAIMS 51

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 3233 Number of Readings Mag/VLF 3233 HLEM 2990

Station interval 20m. Line spacing 100m.

Profile scale VLF 1cm. = 10 degrees HLEM 1 cm. = 10%

Contour interval 100 gammas

MAGNETIC

Instrument Scintrex IGS-2/MP - 4

Accuracy – Scale constant +/- 0.1 gamma

Diurnal correction method Base Station

Base Station check-in interval (hours) 30 seconds

Base Station location and value 1050 W., 700 N.

ELECTROMAGNETIC

Instrument Apex Parametrics Max-Min I

Coil configuration Horizontal Loop

Coil separation 160 m.

Accuracy +/- 1%

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

Frequency 444 Hz and 1777 Hz. (specify V.L.F. station)

Parameters measured Secondary field as a percentage of the primary field

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

MINING CLAIMS TRAVERSED

P 849224	P 849247
P 849225	P 849248
P 849226	P 849249
P 849227	P 849250
P 849228	P 849251
P 849229	P 849264
P 849230	P 849265
P 849231	P 849266
P 849232	P 849267
P 849233	P 849268
P 849234	P 849269
P 849235	P 849270
P 849236	P 849271
P 849237	P 849272
P 849238	P 849273
P 849239	P 849274
P 849240	P 849275
P 849241	P 849276
P 849242	P 849277
P 849243	P 849278
P 849244	P 849279
P 849245	P 849280
P 849246	P 849281
P 849337	P 849348
P 849342	P 849350
P 849347	

TOTAL CLAIMS 51

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 Very Low Frequency (VLF)

Instrument Scintrex IGS-2/MP-4

Accuracy +/- 1% of secondary components

Parameters measured In-phase and quadrature components of the vertical field normalised to the horizontal field

Additional information (for understanding results) Station used was Cutler, Maine (24.0 kHz.)

_____

_____

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 _____

_____

_____

_____

_____

_____

_____

_____

_____

Mining Lands Section

File No 2.9072

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

D. Hurst

Signature of Assessor

Apr 28/86.

Date

Copy

May 23, 1986

Your File: 119/86
Our File: 2.9072

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated May 2, 1986
Geophysical (Electromagnetic, Magnetometer & VLF)
Surveys on Mining Claims P 849224, et al, in Reid
Township

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

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

Yours sincerely,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc
cc: Kidd Creek Mines Ltd
571 Moneta Avenue
Box 1140
Timmins, Ontario
P4N 7H9
Attention: P. McIlvena

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

Resident Geologist
Timmins, Ontario

Encl.

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.9072

Date: May 2, 1986

Mining Recorder's Report of Work No.: 119-86

Recorded Holder: KIDD CREEK MINES LTD

Township or Area: REID TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical HEM Electromagnetic 20 days Magnetometer 20 days Radiometric ____ days Induced polarization ____ days Other VLF 20 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.	P 849224 to 235 inclusive 849237 to 247 inclusive 849249 to 251 inclusive 849264 to 273 inclusive 849276 to 281 inclusive

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

10 DAYS EACH FOR VLF,HEM&MAGNETOMETER

P 849248-75
849337-42

5 DAYS EACH FOR VLF,HEM & MAGNETOMETER

P 849236-74
849347-48-50

No credits have been allowed for the following mining claims

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

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

828 (85/12)

Ontario

May 20/86

Ministry of
Northern Development
and Mines

May 2, 1986

Your File: 119-86
Our File: 2.9072

Mining Recorder
Ministry of Northern Development and Mines
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,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

SH/mc
Encl.

cc: Kidd Creek Mines Ltd
571 Moneta Avenue
Box 1140
Timmins, Ontario
P4N 7H9
Attention: P. McIlvena

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

Ontario

Ministry of
Northern Development
and Mines

Notice of Intent
for Technical Reports

May 2, 1986

2.9072/119-86

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 the 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 directly 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.

Kidd Creek Mines Ltd.
Box 1140
571 Moneta Avenue,
Timmins, Ontario P4N 7H9
(705) 267-1188

Exploration Division

April 28, 1986

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

Dear Sir:

Re: REID TOWNSHIP

Enclosed please find duplicate copies of a report and maps covering claims in Reid Township. The claims aforementioned are P 849224 to P 849251 inclusive and P 849264 to P 849281 inclusive, P 849337, P 849342, P 849347, P 849348, P 849350.

Your prompt attention to this matter would be greatly appreciated.

Yours truly,

P. McIlvena

PM/pm
Encls.

kidd

2.9072

	m	em	ULF
849224	✓	✓	✓
25	✓	✓	✓
26	✓	✓	✓
27	✓	✓	✓
28	✓	✓	✓
29	✓	✓	✓
30	✓	✓	✓
31	✓	✓	✓
32	✓	✓	✓
33	✓	✓	✓
34	✓	✓	✓
35	✓	✓	✓
36	3/4	3/4	3/4
37	✓	✓	✓
38	✓	✓	✓
39	✓	✓	✓
40	✓	✓	✓
41	✓	✓	✓
42	✓	✓	✓
43	✓	✓	✓
44	✓	✓	✓
45	✓	✓	✓

	m	em	ULF
849246	✓	✓	✓
47	✓	✓	✓
48	1/2	1/2	1/2
49	✓	✓	✓
50	✓	✓	✓
51	✓	✓	✓
264	✓	✓	✓
65	✓	✓	✓
66	✓	✓	✓
67	✓	✓	✓
68	✓	✓	✓
69	✓	✓	✓
70	✓	✓	✓
71	✓	✓	✓
72	✓	✓	✓
73	✓	✓	✓
74	3/4	3/4	3/4
75	1/2	1/2	1/2
76	✓	✓	✓
77	✓	✓	✓
78	✓	✓	✓
79	✓	✓	✓
80	✓	✓	✓
81	✓	✓	✓

	m	em	ULF
849337	1/2	1/2	1/2
42	1/2	1/2	1/2
47	3/4	3/4	3/4
48	3/4	3/4	3/4
50	3/4	3/4	3/4

MAHAFFY TWP. - M.540

THORBURN TWP. - M.601

CARNEGIE TWP. - M.441

MACDIARMID TWP. - M.294

THE TOWNSHIP OF

REID

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
CANCELLED
PATENTED FOR S.R.O

P C.S. L Loc. L.O. M.R.O. S.R.O

NOTES

400' surface rights reservation along the shores of all lakes and rivers

Subdivision of this twp. into lots and concessions annulled Aug. 19, 1953

Flooding rights for areas along Mattagami River are reserved to Ontario Hydro. L.O.7085

PLANNED REGISTRATION APR 14/81

① Withdrawn for disposition by means of a special grant.

PLAN NO. M.575

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH


KEY MAP
Mahaffy
Thorburn
Reid
Loveland
MacDiarmid
CAMP 41
202
203
204
Mattagami River
N
ASTRO
LEGEND
INSTRUMENT: SCINTREX IGS-2/MP-4
TYPE: PROTON PRECESSION, TOTAL FIELD
READINGS IN GAMMAS
▲ MAGNETIC BASE STATION
DD DIABASE DYKE
X MAGNETIC ANOMALY
○, □, ⊡ CLAIM POST - IN WATER, NOT LOCATED, FOUND
METRES (1:5000)
0 100 200 300 400 500
KIDD CREEK MINES LTD.
MAGNETIC SURVEY
REID TOWNSHIP
WORK BY
DATE 1986
FILE NAME REID.MAG
849236
849275
849274
849347
849348
849350

210

LINE 1700 W | LINE 1600 W | LINE 1500 W | LINE 1400 W | LINE 1300 W | LINE 1200 W | LINE 1100 W | LINE 1000 | LINE 900 | LINE 800 | LINE 700 | LINE 600 W | LINE 500 W | LINE 400 W | LINE 300 W | LINE 200 W | LINE 100 W | LINE 0 | LINE 100 E | LINE 200 E | LINE 300 | LINE 400 | LINE 500 | E 600 E | LINE 700 E | LINE 800 E | LINE 900 E | LINE 1000 E | LINE 1100 E | LINE 1200 E | LINE 1300 | LINE 140 | LINE 1500 E | LINE 1600 E | LINE 1700 E | LINE 1800 E | LINE 1900 E | LINE 2000 E | LINE 2100 E | LINE 2200 E | LINE 2300 E

18 N — 16 N — 14 N — 12 N — 10 N — 8 N — 6 N — 4 N — 2 N — 0 — 2 S — 4 S — 6 S — 8 S — 10 S — 12 S

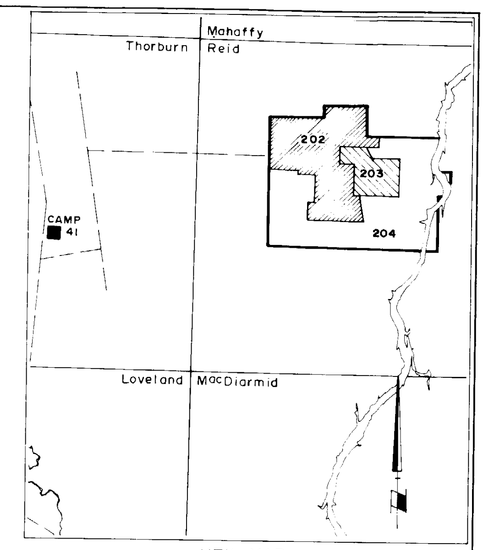
849224 | 849225 | 849226 | 849227 | 849236 | 849337 | 849342 | 849347 | 849348 | 849350 | 849275 | 849274 | 9248

Anomaly E

Anomaly A

Anomaly A'

Mattagami River



KEY MAP SCALE 1 : 100,000

ASTRO N

LEGEND

HLEM ANOMALY

INSTRUMENT: APEX PARAMETRICS MAXMIN I
FREQUENCY: 444 Hz
COIL SPACING: 160 METRES
PROFILE SCALE: 1 CM= 10%

444 Hz
IN-PHASE READINGS
QUADRATURE READINGS

○ : □ : ⊡ CLAIM POST — IN WATER ; NOT LOCATED ; FOUND

+ READINGS — READINGS

0 100 200 300 400 500
METRES (1:5000)

KIDD CREEK MINES LTD.

HORIZONTAL LOOP SURVEY
REID TOWNSHIP
REID CENTRAL CLAIMS

NTS: 42-A-12 PROJ. #204

WORK BY	DATE	FILE NAME
	1986	86REIDHL.HL


KIDD CREEK MINES LTD.
HORIZONTAL LOOP SURVEY
REID TOWNSHIP
REID CENTRAL CLAIMS
NTS: 42-A-12
PROJ. #204
WORK BY
DATE 1986
FILE NAME 86REIDHL.HL
LEGEND
INSTRUMENT: APEX PARAMETRICS MAXMIN I
FREQUENCY: 1777 Hz
COIL SPACING: 160 METRES
PROFILE SCALE: 1 CM= 10%
1777 Hz
IN-PHASE READINGS
QUADRATURE READINGS
+ READINGS
- READINGS
METRES (1:5000)
0 100 200 300 400 500
HLEM ANOMALY
CLAIM POST - IN WATER, NOT LOCATED ; FOUND
ASTRO
KEY MAP
SCALE 1 : 100,000
Mahaffy
Reid
Thorburn
Loveland
MacDiarmid
202
203
204
CAMP 41
Mattagami River
Anomaly E
Anomaly A
849236
849227
849226
849225
849224
849275
849274
849337
849342
849347
849348
849350
230


KEY MAP
SCALE 1 : 100,000
Mahaffy
Reid
Thorburn
Loveland
McDiarmid
CAMP 41
203
204
LEGEND
QUADRATURE
DIP ANGLE (degrees)
VLF ANOMALY
strong
moderate
weak
CLAIM POST - IN WATER ; NOT LOCATED ; FOUND
ASTRO
KIDD CREEK MINES LTD.
V L F SURVEY
REID CENTRAL CLAIMS
NTS:42-A-12
PROJ.# 204
WORK BY
DATE
FILE NAME
Mattagami River
Anomaly A
Anomaly B
Anomaly C
Anomaly D
849236
849237
849248
849275
849274
849337
849342
849347
849348
849350
240