

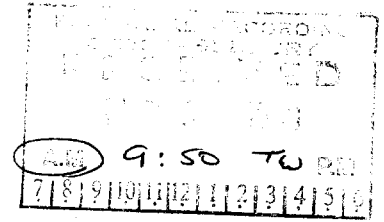


42J06SW2002

2.19295

SOUTH OF RIDGE
LAKE

010



**REPORT ON AN AEROMAGNETIC SURVEY
OVER THE MARTISON CARBONATITE
FLOWN BY SIAL GEOSCIENCES INC.**

on behalf of

THE MARTISON JOINT VENTURE

NTS REF: 42J/06

2.19295

J. H. REEDMAN & ASSOCIATES LTD
89 Dickens Drive,
Winnipeg, Manitoba,
R3K 0M1

February 1999



TABLE OF CONTENTS

INTRODUCTION 1

LOCATION AND PHYSICAL FEATURES 1

OWNERSHIP. 1

EQUIPMENT USED 2

 Airplane 2

 Aircraft Magnetometer. 2

 Compensator. 2

 Ground Magnetometer. 2

 GPS Receiver 3

 Altimeters 3

 Video Camera 3

 Acquisition System 3

DATA PROCESSING. 4

 Flight Path. 4

 Data Compilation 4

DATA PRESENTATION. 5

CONCLUSIONS AND RECOMMENDATIONS. 6

REFERENCES 7

ILLUSTRATIONS

- Fig. 1. General Location Map
- Fig. 2. Claim Block and Airborne Survey Blocks A and B
- Airborne Survey - Total Field Magnetics (scale 1/20000)

INTRODUCTION

This report describes a high-sensitivity airborne magnetic survey flown between the 20th and 22nd December 1998 over claims held by the Martison Joint Venture covering the Martison carbonatite in northern Ontario approximately 65 kilometres northeast of Hearst.

The Martison carbonatite was discovered as a result of drilling a magnetic high defined on the Government aeromagnetic map. Consequently, it was decided to fly a more detailed, high-sensitivity survey which might be of use in defining future drill targets and helping to elucidate the structure of the carbonatite complex below 30+ metres of glacial overburden.

The survey was flown by SIAL Géosciences Inc. of Ville St-Laurent, Quebec using a Piper Navajo aircraft piloted by Glenn Price. Olivier Ayotte, an electronics technician, operated the geophysical instruments, assisted with navigation and compiled and checked the data. Overall supervision was under the direction of Camille St-Hilaire, geophysicist, who supervised processing the final data and wrote the contractor's survey report.

A rectangular block of ground between latitudes 50° 14.5'N and 50° 22'N and longitudes 83° 18'W and 83° 29'W was flown at an average ground clearance of 90 metres with traverse lines oriented 60° and 100 metres apart for a total of 1085 line-kilometres. A second, smaller rectangular block within the larger block was flown with lines oriented 150° and 150 metres apart for a total of 125 line-kilometres. A total of 704.7 line-kilometres of the larger block and 107.5 line-kilometres of the smaller block were flown over the claims (Fig. 2). Tie-lines at 1000-metre intervals were flown perpendicular to the traverse lines.

LOCATION AND PHYSICAL FEATURES

The Martison carbonatite complex is located in the James Bay Lowlands about 70 km northeast of the town of Hearst (population 5,000) and 15 km southwest of Martison Lake from which the complex derives its name (Fig. 1). The terrain is typical of this part of Ontario consisting of spruce forest, muskeg and numerous small lakes and rivers. The topographic relief at and around the complex only varies within a few metres and the ground is poorly drained. The nearest all-season road access is a logging road 40 km to the SSW. A further 30 km to the south the town of Hearst is located on the Trans-Canada highway and main railway line. Access for the drilling undertaken in 1982 and 1983 was by a winter road put in by Shell Canada Resources Limited in 1982.

OWNERSHIP

The survey was flown over a contiguous block of 40 claims which are held jointly and equally by MCK Mining Corp. of Suite 401, 90 Adelaide Street West, Toronto, Ontario M5H 3V9 and Baltic Resources Inc. of Suite 1300, 510 - 5th Street S.W., Calgary, Alberta T2P 3S2. The claim numbers are: 1201625, 1223559, 1223560, 1223561, 1223550, 1223551, 1223552,

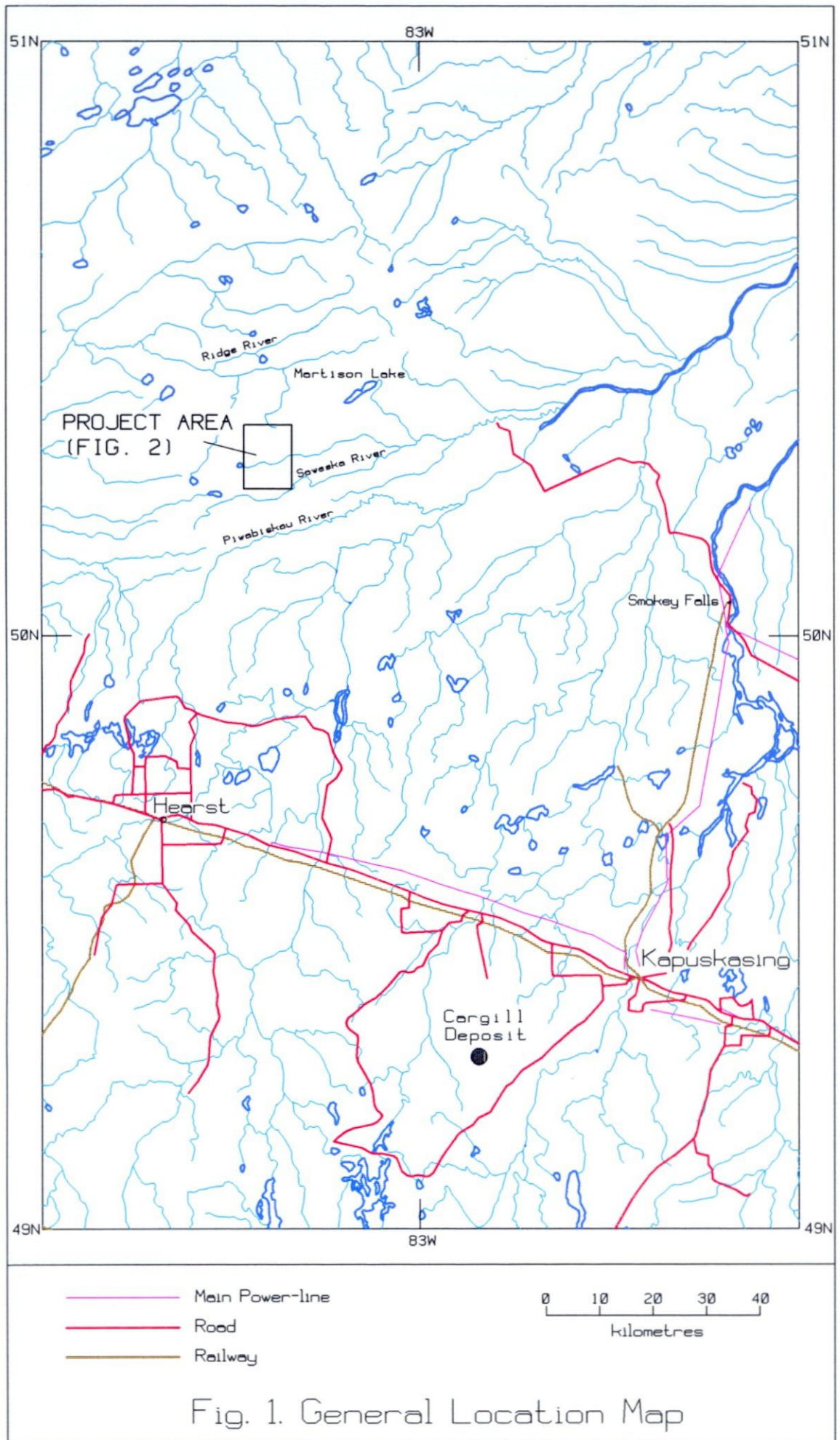
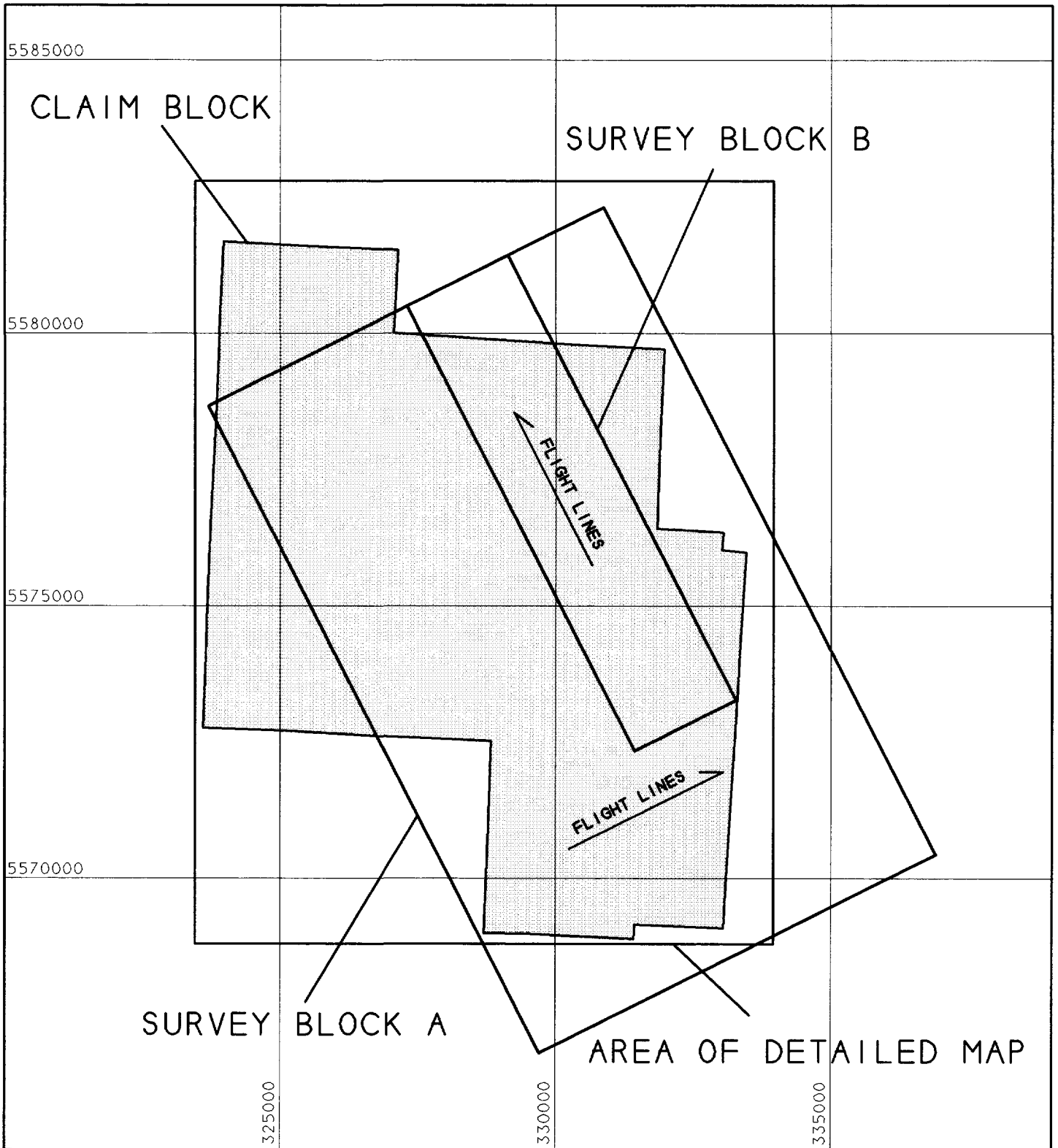


Fig. 1. General Location Map



NTS REF: 42J

UTM Co-ordinates: NAD27

FIG. 2. Claim Block and Airborne Survey Blocks A and B

1223553, 1223554, 1223555, 1223556, 1223557, 1223558, 1226550, 1226551, 1226552, 1226553, 1226554, 1226555, 1226556, 1226557, 1226558, 1226559, 1226562, 1226563, 1226564, 1226565, 1226566, 1226567, 1226568, 1226569, 1231517, 1231519, 1231520, 1231521, 1231524, 1231525, 1231526, 1231527 and 1231528.

EQUIPMENT USED

The list of equipment and specifications given below are taken from the report by Camille St-Hilaire, the contractor's geophysicist.

Airplane

The survey aircraft was a Piper Navajo PA31-31 0, registration C-GAKM. The aircraft was equipped with a magnetometer stinger and was specifically modified to reduce noise due to magnetic components and electrical currents at the magnetic sensor located in the stinger.

Aircraft survey-speed was approximately 270 km/h. At this speed, and with a recording rate of 10 times per second, the distance between samples along survey lines was typically 8 metres.

Aircraft Magnetometer

A GEOMETRICS G822A Cesium split-beam total field magnetic sensor was used with the following specifications:

Sensor static resolution:	better than 0. 1 nT
In-flight sensitivity:	+/-0.001 nT
Resolution:	+/-0.005 nT
Absolute accuracy:	+/-10 nT
Dynamic range:	20 000 - 1 00 000 nT
In-flight noise envelope:	< 0.5 nT
Sampling rate:	ten readings per second or approximately 8 metres at average aircraft speed of 270 km/h
Heading error:	< 0.25 nT
Gradient tolerance:	1 0 000 nT/m

Compensator

The aircraft generated magnetic field was compensated with an Automatic Aeromagnetic Digital Compensator unit (AADCI) yielding digital signal correction of 18 to 30 terms based on the vector field components and their derivatives as measured by a 3-axis fluxgate sensor.

Ground Magnetometer

A GEM GSM-19 overhauser portable magnetometer, located at the base station, was used to

monitor the fluctuations in the earth's magnetic field. The earth's magnetic field was measured every 3 seconds to record the diurnal activity. Data were recovered daily and the diurnal corrections computed and applied to the survey data on-site in order to produce preliminary maps for quality control. The base station was located near Hearst in an area of low magnetic gradient and free of cultural interference. The airborne and digital base station magnetometers were synchronized with an accuracy better than 1.0 second. The technical specifications of the base station are:

Base station magnetometer:	GEM GSM-19 Overhauser with internal memory (14 days self-sufficiency)
Sensor static resolution:	better than 0. 1 nT
Sensitivity:	+/-0.001 nT
Dynamic range:	20,000 - 95,000 nT
Noise envelope:	less than 0. 1 nT
Recording interval:	3 seconds

GPS Receiver

In flight positioning was sampled at a rate of 1 hertz using a TRIMBLE-4000SE real-time differential GPS receiver system, in conjunction with a Landstar satellite-link and a PICODAS PNAV-4001 navigation console. The system enables data to be positioned to an absolute accuracy better than 5 metres. The system also used a reference GPS receiver, located at the base station. At least, 4 satellites were monitored at all times during the survey.

Altimeters

Terrain clearance was sampled each second, using a KING KRA-10 radar altimeter and a ROSEMOUNT 1241 barometric altimeter. The radar altimeter recorded the ground clearance to an accuracy of 1 metre and the barometric altimeter presented a resolution of 1 mV per foot, and an accuracy of about 5 feet (1.5 metres). The altimeters were interfaced to the data acquisition system with a sampling interval of 0.5 second. Recording were in both digital and analog form.

Video Camera

A vertically-mounted continuous recording ELMO TSN272 colour video camera with a wide angle lens recorded at all times the flight path terrain beneath the aircraft. The video camera recorded in the top portion of each frame the flight line number, fiducial, time and GPS generated X-Y UTM coordinates.

Acquisition System

A RMS DGR-33 data logging system and an on-board HDS60 graphical display data acquisition system were used. These systems accepted digital data from the magnetometer, radar and barometric altimeters, time and raw GPS positions to produce a hard-copy graphic record

(analog) of both coarse and fine scales. Data from the magnetometer, 4th difference X-track, radar and barometric altimeter data, fiducial date and time produced a digital machine-readable record of raw data on an external tape-drive.

The analog records were of sufficient resolution to enable visual checks to be made of system performance. One-second intervals were indicated on the analog by means of short tics and fiducial numbers printed at 10-second intervals.

The data acquisition system was synchronized to GPS time through a one-second GPS pulse. Synchronization was checked at the end of each day of surveying.

DATA PROCESSING

The summary of the data processing methods used and given below are taken from the report by Camille St-Hilaire, the contractor's geophysicist.

Flight Path

Flight path was recovered from the differential GPS X and Y data. It was verified daily in the field to enable reflights to be called where needed.

Data Compilation Procedures

Both field and office systems use GEOSOFT software for data processing. In the field, the total magnetic field profiles were verified daily. Diurnal subtraction was carried out as a preliminary levelling stage.

At the office, the diurnal, lag error and the heading error were removed from the entire data set. Levelling was carried out by the standard process of fitting a low order curve to the control lines and traverses in an iterative fashion until no further improvement could be obtained.

To remove small amplitude noise in areas of low gradient, a Hanning filter was applied to the grid. This procedure had the desired effect of removing small amplitude noise, without truncation of geological anomalies.

The data were gridded using the bidirectional Akima gridding algorithm supplied in the GEOSOFT software, with a grid cell size of 25 metres. This technique was used in order to avoid undesirable highs or lows in the final grid such as the minimum curvature technique may produce in areas of rapid changes in gradient. The International Geomagnetic Reference Field was not removed from the total magnetic field.

DATA PRESENTATION

The accompanying map at a scale of 1/20000 shows the total field magnetics contoured at intervals of 50 nT. The flight lines and claim boundaries of the various contiguous claims comprising the total block of ground of the Martison Joint Venture are also shown. The smaller area flown at right angles to the main survey block can be seen by the flight lines.

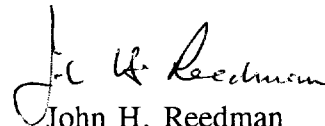
The geographic features (lakes and streams) were obtained from Government digital topographic maps (NAD83) and the claim boundaries were digitized by Paul Degagne. The base map data were converted to NAD27 UTM co-ordinates to match the digital magnetic data which was recorded using NAD27 co-ordinates. The magnetic contours were computer generated using GEOSOFT software. The flight lines were plotted from the original data files obtained from the geophysical contractor on CD-ROM. Total line-kilometres per claim are as follows:

Claim No.	Line-kilometres		
	Block A	Block B	Total
1201625	19.4		19.4
1223550	23.8		23.8
1223551	23.9		23.9
1223552	10.0	6.2	16.2
1223553	24.3	14.2	38.5
1223556	24.2	13.0	37.2
1223557	24.0	16.0	40.0
1223558	20.3	2.3	22.6
1223559	13.4		13.4
1223560	17.6		17.6
1223561	26.0	11.3	37.3
1226550	28.8	13.8	42.6
1226551	24.3		24.3
1226552	17.4		17.4
1226553	18.6		18.6
1226554	8.7		8.7
1226555	13.6		13.6
1226556	16.4		16.4
1226557	14.7		14.7
1226558	19.4		19.4
1226559	14.5		14.5
1226562	14.7		14.7
1226563	25.8	6.3	32.1
1226564	25.8	4.1	29.9
1226565	13.7	7.3	21.0
1226566	4.7		4.7
1226567	9.7	0.5	10.2
1226568	19.5	6.8	26.3
1226569	27.3	1.8	29.1
1231517	1.3		1.3
1231519	10.9		10.9
1231520	22.2		22.2
1231521	6.5		6.5
1231524	6.0		6.0
1231525	24.2		24.2

Claim No.	Line-kilometres		
	Block A	Block B	Total
1231526	13.3		13.3
1231527	25.2		25.2
1231528	7.2		7.2
1233554	19.2	3.9	23.1
1233555	24.2		24.2
TOTALS:	704.7	107.5	812.2

CONCLUSIONS AND RECOMMENDATIONS

The circular magnetic highs correspond quite closely to the areas of carbonatite intersected in drill holes (Fisher 1982, Potapoff, 1984) and it is recommended that a detailed compilation be made of the geology from the drill hole logs in order to determine the relationship, if any, between possible controlling structures and the magnetics. It may then be possible to use the results of this high-sensitivity magnetic survey to assist in targeting additional zones for further drilling.



John H. Reedman

B.Sc., M.Phil., M.I.M.M., C.Eng.

March 4, 1999

REFERENCES

Fisher, D.F. Oct. 1981. Summary Report of the Martison Project, Shell Canada Resources Limited.

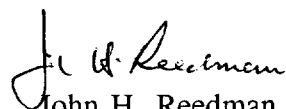
Fisher, D.F., June 1982. Summary Report of the Martison Project to June 1982, Shell Canada Resources Limited.

Potapoff, P., June 1984. Summary report - Martison Project - July 1 to Dec. 31 , 1983. Camchib Mines Inc.

TO WHOM IT MAY CONCERN:

I, John Hugh Reedman, residing at 89 Dickens Drive, Winnipeg, Manitoba R3K 0M1 certify that:

- 1) I have been practising my profession as an economic geologist for over 30 years.
- 2) I was awarded a Bachelor of Science Honours degree in geology by the University of Leeds, England in 1966 and a Master of Philosophy degree in geology and applied geochemistry by the same university in 1972.
- 3) I am a Fellow of the Society of Economic Geologists, a Member of the Institution of Mining and Metallurgy, and a Chartered Engineer in the United Kingdom.
- 4) I have been working as an independent consultant since 1984 specialising in evaluation work, software development and computer applications. I am the creator of the BORSURV software package used for handling and plotting drill data used by companies and consultants in North America, Europe, Africa and Latin America.
- 5) Before forming my consultancy I worked as a geologist with the Geological Survey and Mines Department of Uganda from 1966 to 1971 and for Noranda Exploration Co. Ltd. from 1971 to 1974 as Senior Geologist in Ireland, from 1974 to 1978 as Research Geologist and Chief Geologist in Zambia, from 1978 to 1982 as Senior District Geologist in Canada and as Evaluation Engineer from 1982 to 1983.
- 6) My career has encompassed work on a wide range of commodities in East, Central and Southern Africa, Ireland, the Western U.S.A., Latin America, China and various parts of Canada.


John H. Reedman
4th March 1999



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9960.00098 Assessment Files Research Imaging



42J06SW2002 2.19295 SOUTH OF RIDGE LAKE 900

Subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Table with 2 columns: Name/Address and Client/Telephone/Fax Number. Entries for MCK MINING CORP and BALTIC Resources INC.

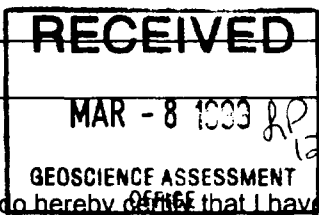
2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Form for work type: Airborne Magnetic Survey. Includes dates (20/12/98 to 22/12/98), township (South of Ridge Lake), and geologist (Prezine Timmins).

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Table with 2 columns: Name/Address and Telephone/Fax Number. Entries for J.H. REEDMAN + ASSOCIATES LTD. and SIAL Geosciences INC.



4. Certification by Recorded Holder or Agent

I, WENDY SIMS KORBA do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Wendy Sims Korba. Date: MARCH 4/99. Agent's Address: Bx 1130, 3130 Airport Rd, Timmins Ont. Telephone: 705-268-8822. Fax: 705-268-5532.

Deemed June 6, 1999

12 1999

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

69960.00098

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1201625 ✓	12	354	1610	∅	∅
2 1223559 ✓	8	245	3200	∅	∅
3 1223560 ✓	10	321	4000	∅	
4 1223561 ✓	16	680	5983	∅	
5 1223550 ✓	15	434	∅	434	
6 1223551 ✓	15	437	∅	437	
7 1223552 ✓	6	296	∅	296	
8 1223553 ✓	15	702	∅	702	
9 1223554 ✓	12	421	∅	421	
10 1223555 ✓	15	442	∅	442	
11 1223556 ✓	15	677	∅	677	
12 1223557 ✓	15	727	∅	727	
13 1223558 ✓	12	411	∅	411	
14 1226550 ✓	16	779	∅	779	
15 1226551 ✓	16	443	∅	443	↓
Column Totals		7369	14,793	5769	∅

I, Wendy Sims Korba (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

See attached Schedule

Signature of Recorded Holder or Agent Authorized in Writing: Wendy in Korba Date: March 4/99

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

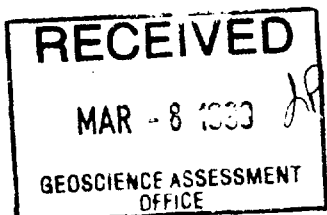
- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)



2.19295

W996.00098

Pg. 2

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
		7369	14793	5769	∅
16	1226552 ✓	12	317	∅	317
17	1226553 ✓	12	338		338
18	1226554 ✓	8	159		159
19	1226555 ✓	8	248		248
20	1226556 ✓	10	299		299
21	1226557 ✓	9	268		268
22	1226558 ✓	12	354		354
23	1226559 ✓	10	264		264
24	1226562 ✓	9	267		267
25	1226563 ✓	16	586		586
26	1226564 ✓	16	546		546
27	1226565 ✓	8	383		383
28	1226566 ✓	3	85		85
29	1226567 ✓	6	186		186
30	1226568 ✓	12	480		480
31	1226569 ✓	16	531		531
32	1231517 ✓	16	23		23
33	1231519 ✓	16	199		199
34	1231520 ✓	16	387		387
35	1231521 ✓	16	118		118
36	1231524 ✓	12	110		110
37	1231525 ✓	15	442		442
38	1231526 ✓	12	242		242
39	1231527 ✓	16	460		460
40	1231528 ✓	4	132		132
Column Totals		14,793	14,793	13,193	∅

0293 (02/96)

RECEIVED
MAR - 8 1999
GEOSCIENCE ASSESSMENT OFFICE

Wendy for below March 4/99

12 1 9 8 . . .



Ontario

Ministry of Northern Development and Mines

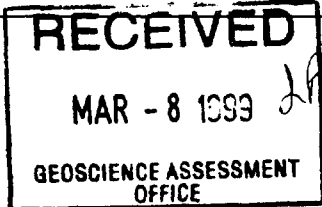
Statement of Costs for Assessment Credit

Transaction Number (office use)

W9960.00098

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Includes entries for Airborne Magnetic Survey and Report Prep, Maps.



Total Value of Assessment Work 14,792

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.

Certification verifying costs:

I, WENDY SIMS KURBA, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as AGENT I am authorized to make this certification. (recorded holder, agent, or state company position with signing authority)

Signature Wendy Sims Kurba Date MAR 4/99

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (877) 670-1555

April 7, 1999

MCK MINING CORP.
90 ADELAIDE STREET WEST
SUITE 401
TORONTO, ONTARIO
M5H-3V9

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19295

Status

Subject: Transaction Number(s): W9960.00098 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.19295

Date Correspondence Sent: April 07, 1999

Assessor: Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9960.00098	1201625	RIDGE LAKE	Deemed Approval	April 01, 1999

Section:
15 Airborne Geophy AMAG

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

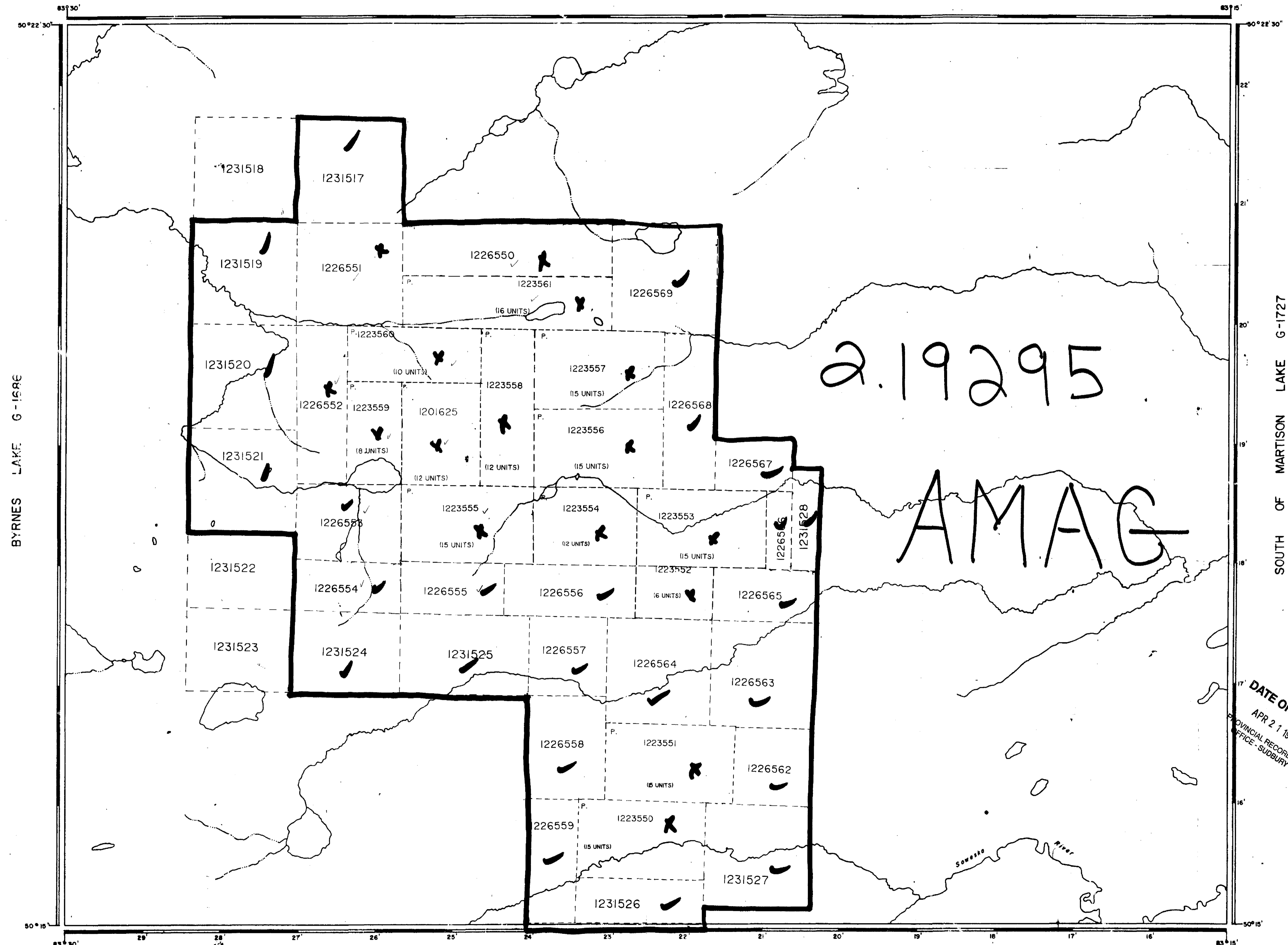
Recorded Holder(s) and/or Agent(s):

Wendy Sims Korba
SUDBURY, ONTARIO

MCK MINING CORP.
TORONTO, ONTARIO

BALTIC RESOURCES INC.
CALGARY, ALBERTA

RIDGE LAKE G-1709



WEST OF BURSTALL TWP G-1720

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

S.L.S. - MINING RIGHTS ONLY
 S.R.A. - SURFACE RIGHTS ONLY
 S.L.S. - MINING AND SURFACE RIGHTS

LEGEND

MINERAL RIGHTS

OWNER ROAD

RAILWAY

SURVEYED LINES

YOUNG'S, BARE LINES, ETC.

LOTS, MINING CLAIMS, PARCELS, ETC.

UNSURVEYED LINES

LOT LINES

PARCEL BOUNDARY

MINING CLAIMS ETC.

RAILWAY AND RIGHT OF WAY

UTILITY LINES

NON-PERMANENT STREAM

FLOODING OR FLOODING RIGHTS

SUBDIVISION OR CO. SPORTS PLAN

RESERVATION

ORIGINAL SHORELINE

MARSH OR MUCKS

MINES

TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LEASE, SURFACE & MINING RIGHTS	⊕
" SURFACE RIGHTS ONLY	⊖
" MINING RIGHTS ONLY	⊗
LICENSE OF OCCUPATION	⊘
ORDER-IN-COUNCIL	⊙
RESERVATION	⊚
CANCELLED	⊛
SAND & GRAVEL	⊜

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1911, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CAP. 104, SEC. 61, SUBS. 1.

SCALE: 1 IN. = 40 CHAINS

DATE OF ISSUE: APR 21 1989

PROVINCIAL RECORDING OFFICE - SUDBURY

AREA

SOUTH OF RIDGE LAKE

S.L.S. ADMINISTRATIVE DISTRICT

HEARST/KAPUSKABING

MINING DIVISION

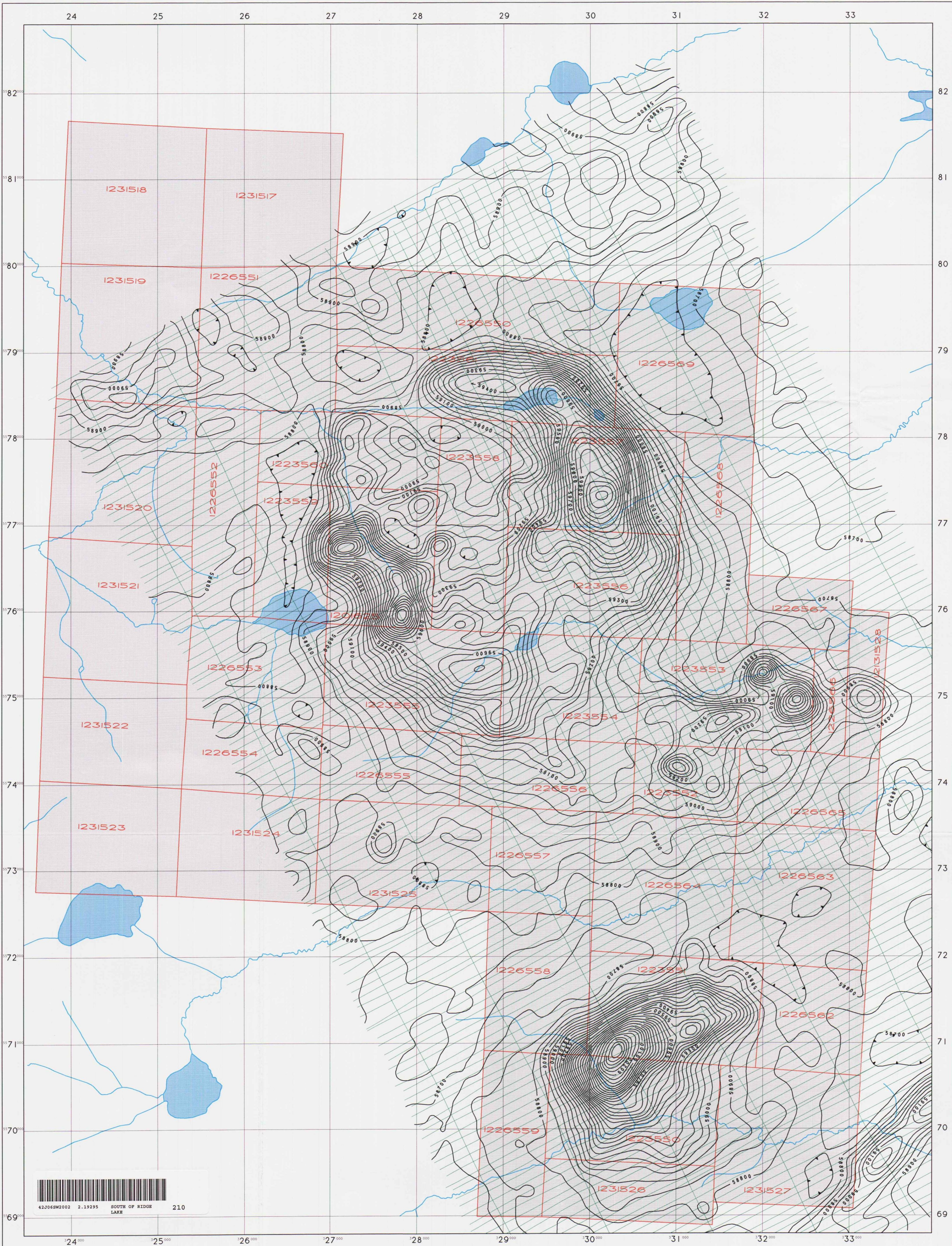
PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

ACTIVATED 93-FEB-1989

6-1716



GRID NORTH



SURVEY FLOWN BY: SIAL Geosciences Inc.
December 1998

EQUIPMENT SPECIFICATIONS:
 AIRCRAFT: Piper PA31-310 Navajo C-GAKM
 MAGNETOMETER: Geometrics G822A Cesium Vapour (in tail boom)
 DIURNAL MONITOR: GEM Systems GSM-19 Overhauser
 RADAR ALTIMETER: King KRA-10
 DIGITAL RECORDER: RMS DGR-33/HDS60
 NAVIGATIONAL CONTROL:
 GPS: Trimble-4000SE, 9 Channel Recorder
 Post Processing Corrected Data
 P NAV-4001 Navigation Console
 FLIGHT TRACKING: VHS Colour Video

SURVEY DETAILS:
 AVERAGE TERRAIN CLEARANCE: 90m
 SURVEY SPEED: 270 km/h
 SAMPLING INTERVAL: 0.1 s
 LOCATION OF BASE STATION: Hearst

CORRECTED TOTAL FIELD IN NANOTESLAS
 — 59000 — Contour Interval: 50 mT
 — Flight Lines
 Computer contouring on a 25m grid with GEOSOFT software

— Claim Boundary
 1231523 Claim Number
 — Stream Course
 Lake
 Topographic features from Government digital map.

2.19295

NTS REF: 42J/06
 UTM Co-ordinates: NAD27



MARTISON JOINT VENTURE

MARTISON CARBONATITE
 Porcupine Mining Division
 Northern Ontario

AIRBORNE SURVEY
 TOTAL FIELD MAGNETICS

DATE: FEB. 24, 1999 SCALE: 1/20000

