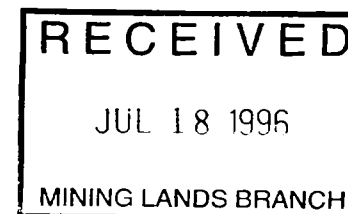




43G04NE0001 2 16688

010

**REPORT**  
ON A  
**FIXED WING**  
**AIRBORNE MAGNETIC SURVEY**  
BY  
**HIGH SENSE GEOPHYSICS**  
FOR  
**KWG RESOURCES**  
**FALL 1994**



**2.16688**

PREPARED BY: STEVE S. MUNRO, B.Sc  
April 23, 1996



43G04NE0001 2 16688

010C

## TABLE OF CONTENTS

1.0	INTRODUCTION.....	3
2.0	SURVEY AREA.....	3
	FIGURE 1 - SURVEY LOCATION MAP .....	4
3.0	AIRCRAFT AND EQUIPMENT.....	5
3.1	Aircraft.....	5
3.2	Airborne Geophysical System.....	5
	3.2.1 Magnetometer and Digital Acquisition System.....	5
	3.2.2 Altimeters.....	5
	3.2.3 Positioning Cameras.....	6
	3.2.4 Navigation System.....	6
3.3	Ground Monitoring System.....	6
	3.3.1 Magnetometer.....	6
	3.3.2 GPS Monitor.....	6
	3.3.3 Recording.....	6
3.4	Field Processing System.....	7
4.0	PERSONNEL.....	7
5.0	SURVEY PARAMETERS.....	7
6.0	COMPILATION.....	7
	6.1 Flight Path Correction.....	7
	6.2 Magnetic Corrections.....	8
	6.3 Map Products.....	8
7.0	CLAIMS.....	9
8.0	INTERPRETATION AND RECOMMENDATIONS.....	9
	CERTIFICATE.....	10
	APPENDIX I - LIST OF CLAIMS.....	11

## 1.0 INTRODUCTION

This report describes an airborne magnetic survey carried out by High-Sense Geophysics Limited of Toronto, Ontario, on behalf of KWG Resources Inc. of Montreal, Quebec. The purpose of the survey was to collect total magnetic field data over an area of interest to KWG located in the Missisa Lake area of the James Bay Lowlands in Ontario.

The survey data was collected during 19 sorties from September 8, 1994 to October 3, 1994 in the fall of 1994 from a fixed wing survey platform utilizing high sensitivity cesium vapor magnetometer sensors, Global Positioning System (GPS) navigation, a colour video tracking camera, and radar and barometric altimeters.

Flight line orientation was North South, with a nominal line spacing of 400 metres and a mean terrain clearance of 80m. Approximately 12,395 line kilometers of recorded total magnetic field data were collected, covering an area approximately 4,217 square kilometers. The data was compiled in map form and presented, in four sheets, at 1:50,000 scale. This report includes logistical details of the survey and technical descriptions of the instruments and procedures employed.

## 2.0 SURVEY AREA

The survey was flown in the James Bay Lowlands of Ontario and, in general, may be described by a rectangular area, delineated by the following geographical coordinates:

South West Corner

North East Corner

Main Area: 51° 57.7' Lat , 84° 11.6' Long      53° 00.5' Lat , 83° 36.6' Long

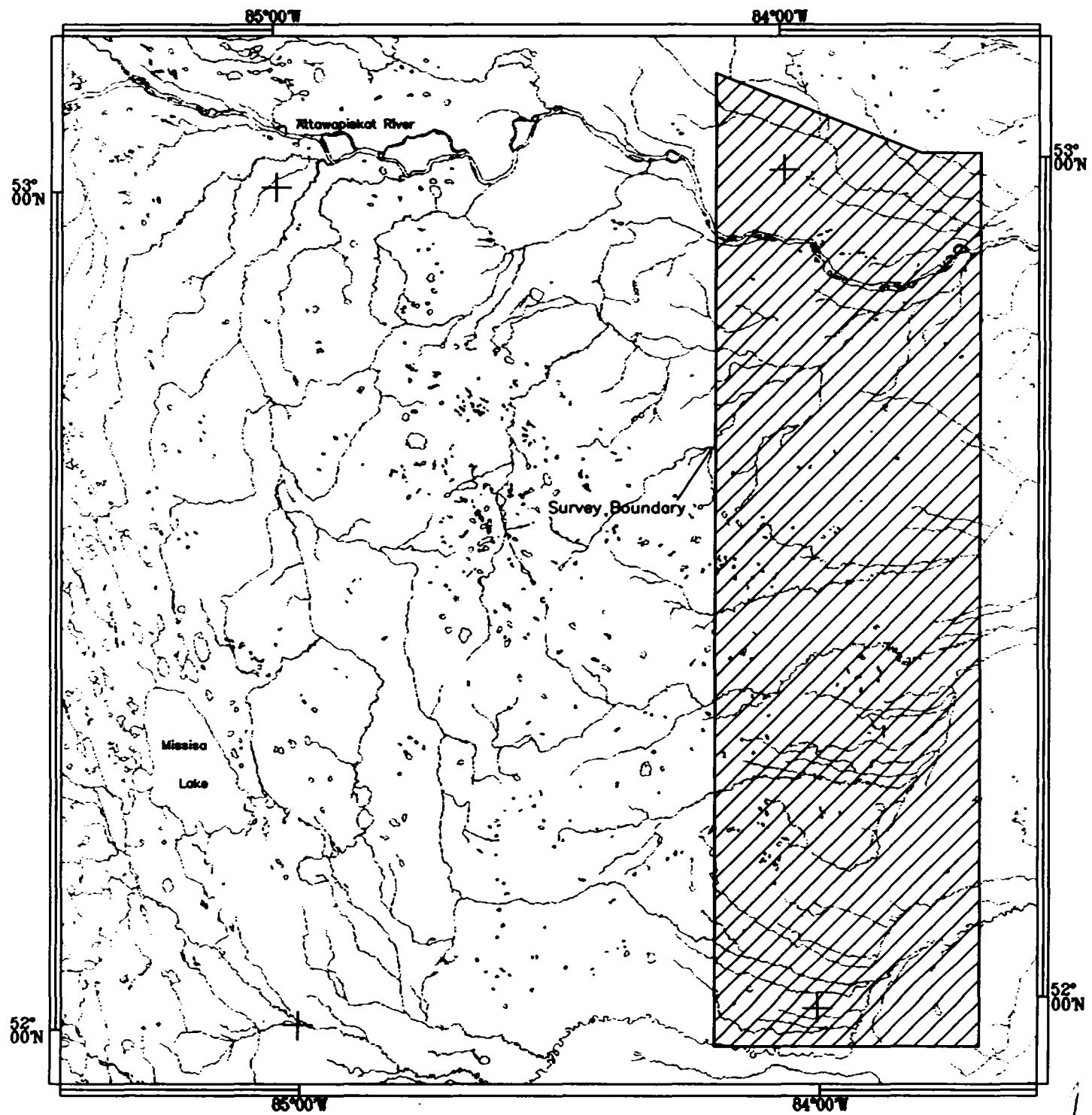
With an additional triangular area, contiguous with the top side and delineated by the following three coordinates:

53° 01.4' Lat , 84° 07.5' Long

53° 06.4' Lat , 84° 07.2' Long

53° 00.8' Lat , 84° 44.4' Long

An outline of the survey area is depicted on the location map in figure 1.



SCALE 1:750,000

FIGURE 1 - SURVEY LOCATION MAP

### 3.0 AIRCRAFT AND EQUIPMENT

#### 3.1 Aircraft

Type: Fixed Wing  
Model: Piper Navajo PA31  
Registration: C-FFRY

#### 3.2 Airborne Geophysical System

##### 3.2.1 Airborne Magnetometer and Digital Acquisition system

Airborne data were acquired with the Picodas PDAS 1000 Data Acquisition System (IBM 486:33 based), Duomag Magnetometer Control Console, decouplers, a Scintrex PDS-4 power distribution system and a Hewlett Packard HP 6434B auxiliary power unit. The magnetometer sensors were optically pumped Scintrex Cesium Vapor sensors separated by a 1.8m vertical distance and mounted in an active 2 axis gimbal system to ensure constant sensor alignment with the Earth's magnetic field.

The two(2) active compensators were CAE 9 Term Compensation systems. A Sperry Vertical Gyro was employed to record orientation of the plane.

Actual ground sampling rate is a function of the aircraft's groundspeed and the cycling rate of the sensor equipment. Using an average flight speed of 270 km/hour for the Piper Navajo, magnetic readings were collected every 7.5 metres along the flight line path.

Sensitivity: 0.01nT  
Noise Envelope: 0.10nT  
Ambient Range: 20,000 to 100,000nT  
Sampling interval: 7.5m (ground)

##### 3.2.2 Altimeters

Flight elevation information was collected by a TRT Model ERT-011 Radar Altimeter (digital output) with a range of 0-5,000' (accuracy  $\pm 1\%$ ), complimented by a Rosemount Model Barometric Altimeter (digital output). Elevations recorded by the GPS receiver operating in 3D mode were also encoded on the tape.

### 3.2.3 Positioning Cameras

Continuous strip 8mm video information was collected by vertically mounted camera equipment (JVC Model TK-880U Video Camera, Sony EVDT-1 Video Monitor/Recorder and a Sony EVS-800 Video Recorder). The camera was synchronized with a fiducial module of the recording system for cross-reference to the analogue and digital data systems.

### 3.2.4 Navigation System

Navigation was guided by raw GPS (Magnavox M4200 six-channel GPS receiver and a PNAV 2001 GPS console), with flight path recovery achieved by post-flight differentially corrected GPS which under ideal conditions can provide a coordinate accuracy of 3-5m.

## 3.3 Ground Monitoring System

A base station was established in Geraldton, Ontario.

### 3.3.1 Magnetometer

The base station employed a Scintex H8 Cesium vapor unit with a sensitivity of 0.01nT, a one second recording interval and a noise level of 0.10nT. The clock at the base station was synchronized with GPS time, as was the airborne system to facilitate correlation of the two records and the removal of diurnal variation.

### 3.3.2 GPS Monitor

The base station also used a second Magnavox M4200 six-channel receiver with a fixed antenna. Raw satellite data was digitally recorded to enable differential correction of the corresponding airborne data.

### 3.3.3 Recording

The output of the magnetic and GPS monitors was recorded digitally on a dedicated PC. A visual record of the last 40 minutes of activity is graphically maintained on the computer screen to provide an up to date appraisal of significant activity.

### 3.4 Field Processing System

A 486 computer and Panasonic B/W printer were used during preliminary field processing. Using the base station time-indexed mag and GPS, the airborne data was differentially corrected using processing software developed by High-Sense Geophysics on a 486 PC. Up to date flight path files were plotted at 1:500,000 scale and faxed to KWG's Toronto office as a means of monitoring progress. The differentially corrected data was archived on data tape and sent to High Sense in Toronto, where it underwent further editing. Details of data compilation can be found in section 6 of this report.

### 4.0 PERSONNEL

Pilot	: Dave Fenwick
Engineer	: Steve Page
Operator	: Kerry Lamont
High Sense data processor	: Bill Heath

### 5.0 SURVEY PARAMETERS

Traverse Line spacing	: 400 metres
Control Line spacing	: 10 kilometres
Nominal Terrain clearance	: 80 metres (262 feet) sensor height
Navigation	: Global Positioning System
Traverse Line direction	: UTM grid North-South
Control Line direction	: UTM grid East-West
Measurement interval	: 0.1 sec
Airspeed (nominal)	: 270 km/hour (160 miles/hour)
Measurement spacing (nominal)	: 7.5 m
Airborne Digital Record	: Radar Altimeter Barometric Altimeter Total Field Magnetics Time (Local and GPS) Raw Global Positioning System (GPS) data

### 6.0 COMPILATION

#### 6.1 Flight Path Correction

The GPS data was differentially corrected to remove errors introduced by the 'selective availability', an intentional accuracy degradation method introduced by the military. The

correction process uses the known fixed location of the base station to calculate the error associated with each satellite. These errors are then removed from the survey GPS data enabling a position to be determined with an accuracy in the order of 3m, with four or more satellites in view.

The navigational correction process yields a flight path expressed in WGS 84 Latitude-Longitude coordinates. Transformation to local NAD 27 UTM coordinates used the following projection parameters:

	Semi-major axis - a (m)	Flattening -f
WGS 84	6378137.0	298.25723563
Clarke 1866 (NAD27)	6378206.4	294.9786982

Local datum shift applied (m):

$\Delta X$	:	22
$\Delta Y$	:	-160
$\Delta Z$	:	-190

UTM central meridian: 87° W (Zone 16)

## 6.2 Magnetic Corrections

Magnetic variations measured at the base station were subtracted from the airborne profile. The residual differences at the intersection of control and traverse lines were then calculated and a linear sloping datum was applied to the profile data to minimize the differences.

## 6.3 Map Products

Flight path and contoured magnetic field data were plotted using a 486 PC computer and a Hewlett Packard 650c Design Jet colour plotter at KWG's Toronto office.

Flight path was plotted with ticks every 10th fiducial and annotations every 100th fiducial. Total magnetic field was plotted as contours with an interval of 25nT. Using OGS photomaps, with a UTM coordinate grid superimposed, drainage was digitized and plotted with the contoured magnetic field and flightpath as an overlay. Also represented in the compilation are applicable claims to be considered for assessment purposes. The data is presented at 1:50,000 scale, broken up into four sheets and included in this report.



## 7.0 Claims

Claims within or around the survey area are listed as appendix I. Included for each individual claim, in addition to information from the Ministry of Northern Development and Mines client report, is a percentile expression of coverage by the airborne survey and an amount to be applied to each claim. The position of each claim is represented in the map set that accompanies this report.

## 8.0 INTERPRETATION AND RECOMMENDATIONS

The total magnetic field map indicates a number of prominent linear features, both normally and reversely magnetized, striking at angles ranging from NW/SE through N/S to NE/SW. Isolated prominent magnetic anomalies with amplitudes of several hundred nT are common and suggestive of intrusives that may be of economic significance.


The survey resolution was adequate to map the moderate to larger size features; however, more detailed aeromagnetic mapping is recommended as a precursor to further investigation. Additional fixed-wing surveying should be done at the same altitude, to double the present line density (producing a final line density of 200m), or a selection of features should be picked for low-altitude, high density individual helimag surveying.

Quantitative magnetic anomaly interpretation is recommended to estimate the depth to magnetic basement to help determine whether electromagnetic methods might be an effective supplementary exploration tool.

## CERTIFICATE OF QUALIFICATIONS

I, Steve S. Munro, do hereby certify:

1. that I am an exploration geophysicist, specializing in computer processing and interpretation, and reside at 614 Bayfield Street, Pickering Ontario;
2. that I am a graduate of the Physics Specialist program at the University of Toronto, Toronto Ontario and hold an honours Bachelor of Science degree as a geophysicist, dated June 9, 1992;
3. that I have been engaged in the practice of this profession since graduation;
4. that I have visited the subject area and have reviewed all the magnetic survey data mentioned herein.



Steve S. Munro, B.Sc  
April 23, 1996

Appendix I

Township	Claim Number	Recording Date	Due Date	Claim Status	No. of Units	Area (Ha)	Cov. by Survey(%)	Units Covered	Area Covered	Work Required	Work Applied	Total Reserve	Claim Bank	Work from 94 Survey	
														Direct	Applied
525834	1194142	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1194143	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1194144	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
526833	1202348	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1202349	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1202368	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208461	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208462	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208463	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208464	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208475	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208476	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208477	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208478	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208479	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208480	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208481	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208482	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
526834	1208484	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208491	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208492	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194134	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194135	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194136	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194137	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194138	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194141	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1194160	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1202347	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	4,800
	1202350	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1202353	28-Apr-94	28-Apr-96	A	6	96	100	6	96	2,400	0	0	0	334	2,400
	1202354	28-Apr-94	28-Apr-96	A	6	96	100	6	96	2,400	0	0	0	334	2,400
	1202356	28-Apr-94	28-Apr-96	A	15	240	100	15	240	6,000	0	0	0	835	
1202363	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1202364	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1202365	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1202366	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400	

Appendix I

Township	Claim Number	Recording Date	Due Date	Claim Status	No. of Units	Area (Ha)	Cov. by Survey(%)	Units Covered	Area Covered	Work Required	Work Applied	Total Reserve	Claim Bank	Work from 94 Survey	
														Direct	Applied
527833	1202367	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1202370	28-Apr-94	28-Apr-96	A	1	16	100	1	16	400	0	0	0	56	400
	1208454	16-Jun-94	16-Jun-96	A	1	16	100	1	16	400	0	0	0	56	
	1208455	16-Jun-94	16-Jun-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208485	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208486	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208487	28-Apr-94	28-Apr-96	A	1	16	100	1	16	400	0	0	0	56	
	1208488	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208489	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208490	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208493	28-Apr-94	28-Apr-96	A	3	48	100	3	48	1,200	0	0	0	167	1,200
	1208494	28-Apr-94	28-Apr-96	A	7	112	100	7	112	2,800	0	0	0	390	
	1208495	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208496	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208497	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208498	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208499	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208607	28-Apr-94	28-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1202359	28-Apr-94	28-Apr-96	A	1	16	100	1	16	400	0	0	0	56	
	1202360	28-Apr-94	28-Apr-96	A	2	32	100	2	32	800	0	0	0	111	
	1202361	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208402	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208403	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208404	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208405	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208406	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208407	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208408	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208409	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208410	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208411	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208412	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
1208413	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208414	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208415	28-Apr-94	28-Apr-96	A	16	256	85	13.6	217.6	6,400	0	0	0	757		
1208416	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208417	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		

Appendix I

Township	Claim Number	Recording Date	Due Date	Claim Status	No. of Units	Area (Ha)	Cov by Survey(%)	Units Covered	Area Covered	Work Required	Work Applied	Total Reserve	Claim Bank	Work from 94 Survey	
														Direct	Applied
	1208418	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208419	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208420	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208422	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208423	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208424	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208425	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208426	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208427	28-Apr-94	28-Apr-96	A	16	256	75	12	192	6,400	0	0	0	668	
	1208428	28-Apr-94	28-Apr-96	A	16	256	60	9.6	153.6	6,400	0	0	0	534	
	1208429	28-Apr-94	28-Apr-96	A	6	96	100	6	96	2,400	0	0	0	334	
	1208430	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208431	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208432	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208433	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208436	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208437	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208438	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208439	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208440	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208441	28-Apr-94	28-Apr-96	A	16	256	50	8	128	6,400	0	0	0	445	
	1208442	28-Apr-94	28-Apr-96	A	16	256	45	7.2	115.2	6,400	0	0	0	401	
	1208443	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208444	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208445	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208446	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208457	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208458	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208459	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208460	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208469	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208470	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
527834	1202362	28-Apr-94	28-Apr-96	A	6	96	100	6	96	2,400	0	0	0	334	
	1208401	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208421	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208434	28-Apr-94	28-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208465	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	

Appendix I

Township	Claim Number	Recording Date	Due Date	Claim Status	No. of Units	Area (Ha)	Cov. by Survey(%)	Units Covered	Area Covered	Work Required	Work Applied	Total Reserve	Claim Bank	Work from 94 Survey Direct	Work from 94 Survey Applied
	1208466	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208467	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208468	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208471	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208472	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208473	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208474	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208483	28-Apr-94	28-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208500	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208602	25-Apr-94	25-Apr-96	A	2	32	100	2	32	800	0	0	0	111	
	1208603	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208604	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208605	28-Apr-94	28-Apr-96	A	1	16	100	1	16	400	0	0	0	56	
	1208606	28-Apr-94	28-Apr-96	A	2	32	100	2	32	800	0	0	0	111	
	1208608	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208609	28-Apr-94	28-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208610	28-Apr-94	28-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208611	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208612	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208613	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208614	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208615	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208616	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208617	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208618	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208619	28-Apr-94	28-Apr-96	A	2	32	100	2	32	800	0	0	0	111	
	1208620	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208621	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208622	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208623	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208624	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208625	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208626	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208627	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208628	28-Apr-94	28-Apr-96	A	4	64	100	4	64	1,600	0	0	0	223	
	1208629	28-Apr-94	28-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208630	28-Apr-94	28-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	

Appendix I

Township	Claim Number	Recording Date	Due Date	Claim Status	No. of Units	Area (Ha)	Cov. by Survey(%)	Units Covered	Area Covered	Work Required	Work Applied	Total Reserve	Claim Bank	Work from 94 Survey Direct	Work from 94 Survey Applied
527841	1208633	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208634	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208639	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208631	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208632	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208635	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208636	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
528834	1208637	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208638	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208640	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208645	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208646	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	3,200
	1208651	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	3,200
	1208652	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	3,200
528841	1208657	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208658	25-Apr-94	25-Apr-96	A	9	144	100	9	144	3,600	0	0	0	501	
	1208667	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208668	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208669	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208672	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1200755	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1200756	25-Apr-94	25-Apr-96	A	8	128	100	8	128	3,200	0	0	0	445	
	1208641	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208642	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208643	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208644	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208647	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208648	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208649	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208650	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208653	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
1208654	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400	
1208655	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400	
1208656	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400	
1208659	25-Apr-94	25-Apr-96	A	6	96	100	6	96	2,400	0	0	0	334	2,400	
1208660	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400	
1208661	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400	

Appendix I

Township	Claim Number	Recording Date	Due Date	Claim Status	No. of Units	Area (Ha)	Cov. by Survey(%)	Units Covered	Area Covered	Work Required	Work Applied	Total Reserve	Claim Bank	Work from 94 Survey Direct	Work from 94 Survey Applied
531834	1208662	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1208663	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208664	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208665	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208666	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208670	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208671	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208686	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
531841	1208687	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	6,400
	1202371	28-Apr-94	28-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208673	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208674	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208675	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208676	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208677	25-Apr-94	25-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208680	25-Apr-94	25-Apr-96	A	16	256	10	1.6	25.6	6,400	0	0	0	89	
	1208681	25-Apr-94	25-Apr-96	A	12	192	100	12	192	4,800	0	0	0	668	
	1208682	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208683	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208684	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208685	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208688	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208689	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208690	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
	1208691	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890	
1208692	25-Apr-94	25-Apr-96	A	14	224	95	13.3	212.8	5,600	0	0	0	740		
1208693	25-Apr-94	25-Apr-96	A	15	240	100	15	240	6,000	0	0	0	835		
1208694	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208695	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208696	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208697	25-Apr-94	25-Apr-96	A	16	256	100	16	256	6,400	0	0	0	890		
1208698	25-Apr-94	25-Apr-96	A	16	256	80	12.8	204.8	6,400	0	0	0	712		





# Report of Work Conducted After Recording Claim

## Mining Act

Transaction Number

W9660.00287

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2-1-5-8-3

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations Recorder.
  - A separate copy of this form must be completed.
  - Technical reports and maps must accompany.
  - A sketch, showing the claims the work is



43G04NE0001 2 16688

900

Recorded Holder(s) <b>ASHTON MINING OF CANADA INC / KMG RESOURCES INC.</b>	Client No. <b>103433/224701</b>
Address <b>46 1000 - 350 BAY ST. TORONTO ONT. M5H 2S6</b>	Telephone No. <b>416-869-0626</b>
Mining Division <b>PORCUPINE</b>	M or G Plan No. <b>G1252 - G1253</b>
Township/Area <b>ATTAWAPISKAT R. AREA</b>	
Dates Work Performed From: <b>JULY 20/94</b>	To: <b>OCT. 3/94</b>

### Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<b>AIRBORNE MAGNETOMETER SURVEY</b>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED

JUL 18 1996

MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 159,289

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

### Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<b>STEVE MUNRO (KMG)</b>	<b>200 - 1750 BRIMLEY RD. SCARBOROUGH ONT M1P 4K7</b>

(attach a schedule if necessary)

### Certification of Beneficial Interest \* See Note No. 1 on reverse side \* *Beneficial interest letter on file* \*

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>April/23/96</b>	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	----------------------------	--

### Certification of Work Report

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

Name and Address of Person Certifying  
**NEL D. NOVAK KMG RESOURCES INC 1000-350 BAY ST TORONTO M5H 2S6**

Telephone No. <b>416-869-0626</b>	Date <b>April 23/96</b>	Certified By (Signature) <i>[Signature]</i>
--------------------------------------	----------------------------	--

### For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder <i>[Signature]</i> <b>Not Pasted</b>	Received Stamp <b>APR 24 1996</b>
Deemed Approval Date <b>APR 23 1996</b>	Date Approved <i>[Signature]</i>		
Date Notice for Amendments Sent			









Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
G-3852	1208489	16
	1208490	16
	1208494	7
	1208495	16
	1208496	16
	1208497	16
	1208498	16
	1208499	16
	1208607	8
	1202359	1
	1202360	2
	1202361	4
	1208402	16
	1208409	16
	1208410	16
	1208411	16
1208412	16	
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
890	
890	
390	
890	
890	
890	
890	
890	
445	
56	
111	
223	
890	
890	
890	
890	
890	
890	
Total Value Work Done	
Total Value Work Applied	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
890	
890	
390	
890	
890	
890	
890	
445	
56	
111	
223	
890	
890	
890	
890	
890	
890	
890	
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

**Note 1:** Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

**Note 2:** If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed	Signature	Date
--	-----------	------



Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
5-3843	1208431	16
	1208432	16
	1208433	16
	1208436	12
	1208437	16
	1208438	16
	1208439	16
	1208440	16
	1208441	16
	1208442	16
	1208443	16
	1208444	16
	1208445	16
	1208446	16
-3843, 3879	1208457	16
5-3843	1208458	16
	1208459	16
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
890	
890	
890	
668	
890	
890	
890	
890	
445	
401	
890	
890	
890	
890	
890	
890	
890	
890	
Total Value Work Done	Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
890	
890	
890	
668	
890	
890	
890	
890	
445	
401	
890	
890	
890	
890	
890	
890	
890	
890	
Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed	Signature	Date
--	-----------	------



Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
G-3842	1208460	16
G-3879	1208469	16
G-3842	1208472	16
G-1253	1202362	6
	1208401	16
	1208421	16
	1208434	8
	1208465	16
G-3852	1208466	16
	1208468	16
G-1253	1208471	16
	1208473	16
	1208474	16
	1208483	8
	1208500	16
	1208602	2
	1208603	4
<b>Total Number of Claims</b>		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
890	
890	
890	
334	
890	
890	
445	
890	
890	
890	
890	
890	
890	
445	
890	
111	
223	
<b>Total Value Work Done</b>	
<b>Total Value Work Applied</b>	

**RECEIVED**  
 JUL 18 1996  
 MINING LANDS BRANCH

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
890	
890	
890	
334	
890	
890	
445	
890	
890	
890	
890	
890	
445	
890	
111	
223	
<b>Total Assigned From</b>	
<b>Total Reserve</b>	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1.  Credits are to be cut back starting with the claim listed last, working backwards.
2.  Credits are to be cut back equally over all claims contained in this report of work.
3.  Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented land on which this work was performed. Signature \_\_\_\_\_ Date \_\_\_\_\_

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
5-1253	1208604	4
	1208605	1
	1208606	2
5-3852	1208608	16
	1208609	8
5-1253	1208610	8
	1208611	16
	1208612	16
	1208613	16
	1208614	12
	1208615	12
	1208616	12
	1208617	12
	1208618	4
	1208619	2
	1208620	4
	1208621	4
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
223	
56	
111	
850	
445	
445	
890	
890	
890	
668	
668	
668	
668	
223	
111	
223	
223	
223	
Total Value Work Done	
Total Value Work Applied	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
223	
56	
111	
890	
445	
445	
890	
890	
668	
668	
668	
668	
223	
111	
223	
223	
223	
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed	Signature	Date
--	-----------	------

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
G-1253	1208622	4
	1208623	4
	1208624	4
	1208625	4
	1208626	4
	1208627	4
	1208628	4
	1208629	8
	1208630	12
	1208633	8
	1208634	8
	1208639	8
G-43CC	1208631	16
	1208632	16
	1208635	16
	1208636	16
	1208637	16
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
223	
223	
223	
223	
223	
223	
223	
223	
445	
445	
445	
445	
445	
890	
890	
890	
890	
890	
Total Value Work Done	

**RECEIVED**  
 JUL 18 1996  
 MINING LANDS BRANCH

2.16688

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
223	
223	
223	
223	
223	
223	
223	
223	
445	
445	
445	
445	
445	
890	
890	
890	
890	
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1.  Credits are to be cut back starting with the claim listed last, working backwards.
2.  Credits are to be cut back equally over all claims contained in this report of work.
3.  Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

\_\_\_\_\_  
 I, \_\_\_\_\_, do hereby certify that I have a beneficial interest in the patented \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
42000	1208638	16
	1208640	8
	1208645	8
	1208652	8
1252	1208658	9
	1208667	16
	1208668	16
	1208669	16
	1208672	16
3844	1200755	16
	1200756	8
	1208641	16
	1208642	16
	1208643	16
	1208644	16
	1208647	16
	1208648	16
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
890	
445	
445	
445	
501	
890	
890	
890	
890	
445	
890	
890	
890	
890	
890	
890	
890	
890	
Total Value Work Done	
Total Value Work Applied	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
890	
445	
445	
445	
501	
890	
890	
890	
890	
445	
890	
890	
890	
890	
890	
890	
890	
890	
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed	Signature	Date
--	-----------	------

P12

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
G-3841	1208649	16
	1208662	16
	1208663	16
	1208665	16
	1208666	16
G-1252	1208670	16
	1208671	16
G-3880	1208686	16
	1208687	16
G-3849	1202321	16
	1208673	16
	1208674	16
	1208676	16
	1208677	12
	1208680	16
	1208681	12
	1208682	16
Total Number of Claims		

Value of Assessment Work Done on this Claim	Value Applied to this Claim
890	<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p style="margin: 0;">RECEIVED</p> <p style="margin: 0;">JUL 18 1996</p> <p style="margin: 0;">MINING LANDS BRANCH</p> </div>
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
Total Value Work Done	
Total Value Work Applied	

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
890	
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1.  Credits are to be cut back starting with the claim listed last, working backwards.
2.  Credits are to be cut back equally over all claims contained in this report of work.
3.  Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

\_\_\_\_\_  
 Date





Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9660.00287

**2.16688**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type HIGH SURVE A/B SURVEY	159,289	
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>		<b>159,289</b>	

**2. Indirect Costs/Coûts indirects**

\*\* Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>		<b>Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>	<b>159,289</b>

RECEIVED  
JUL 18 1996  
MINING LANDS BRANCH

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
x 0.50	(c)

**Certification Verifying Statement of Costs**

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Exploration Manager/agent I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

**Attestation de l'état des coûts**

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature: [Signature] Date: April 23/96

RECEIVED  
APR 24 1996

in account with:

**High-Sense**

Geophysics Limited FAX (416) 588-9799  
 47 Jefferson Avenue PHONE (416) 588-7115  
 Toronto, Ontario  
 M6K 1Y3

Post-it FAX TRANSMITTAL MEMO  
 PEBULETS POLAR FAC-SIMILE 76718

TO: Shirley Lambert  
 FROM: ERL Department  
 CC: High Sense  
 DEPT: 8  
 SERVICE: 8  
 FAX: (416) 588-9799  
 RE: 866-6001 (S)

**INVOICE**

Geolon STG (1992) inc.  
 630 Boul. Rene Levesque Ouest  
 Bureau 3200  
 Montreal, Quebec  
 H3B 1S6

No: 375

Date: Nov 4, 1994

Tel: 514 868-6001  
 Fax: 514 868-0519

2.16688

Description	Amount
Re. Spider 1 Project - Airborne Survey - Fixed Wing Dated July 5, 1994	
Mobilization Fee:	\$ 12,000.00
Daily July 20 - Oct 3 75 Days @ \$2,000.00 per day	\$ 150,000.00
Hourly 305 Hrs @ \$175.00 per hr	\$ 53,275.00
Kilometer 53 263.8 Km @ \$4.25 per km	\$ 226,371.15
	\$ 441,746.15
Plus GST	\$ 30,922.23
	\$ 472,668.38
Less previous invoices	
July 5 INV 308 52,000.00 + GST 3,540.00 = 55,540.00	
31 317 65,180.83 4,583.38 = 69,764.19	
Aug 31 335 120,896.31 8,482.04 = 129,378.35	
Sept 30 355 109,747.75 7,882.34 = 117,630.09	
Oct 4 361 18,616.78 1,303.17 = 19,919.95 Unpaid	
	332,092.58
	\$ 80,575.80
	25,750.91 392092.22

⊙ .337 (of total survey)  
 = \$159,289

**RECEIVED**

JUL 18 1996

MINING LANDS BRANCH

PLEASE PAY THIS AMOUNT \$ 80,575.80

Payable to: High-Sense Geophysics Limited  
 High-Sense Geophysics Limited G.P. Inc. R13536-588



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

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

Telephone: (705) 670-5853  
Fax: (705) 670-5863

July 26, 1996

Our File: 2.16688  
Transaction #: W9660.00287

Mining Recorder  
Ministry of Northern Development & Mines  
60 Wilson Ave.  
Timmins, Ontario  
P4N 2S7

Dear Mr. White:

**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S)  
1202347 (ET AL.) IN ATTAWAPISKAT (AREA)**

A 45 Day Notification was not issued on this Work Report prior to the 90 day deemed approval date as outlined in subsection 6(7) of the Assessment Work Regulation. Accordingly, this submission is deemed approved as of July 23, 1996.


The assessment work credit has been deemed approved under Section(s) 15, Airborne Geophysics (AMAG) of the Assessment Work Regulation.

If you have any questions regarding this correspondence, please contact Bruce Gates at (705) 670-5856.

Yours Sincerely,  
ORIGINAL SIGNED BY:



Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mines and Minerals Division

 BIG/jf

cc: Resident Geologist  
Timmins, Ontario

✓ Assessment Files Library  
Sudbury, Ontario

## 1.0 INTRODUCTION

This report describes an airborne magnetic survey carried out by High-Sense Geophysics Limited of Toronto, Ontario, on behalf of KWG Resources Inc. of Montreal, Quebec. The purpose of the survey was to collect total magnetic field data over an area of interest to KWG located in the Missisa Lake area of the James Bay Lowlands in Ontario.

The survey data was collected during 19 sorties from September 8, 1994 to October 3, 1994 in the fall of 1994 from a fixed wing survey platform utilizing high sensitivity cesium vapor magnetometer sensors, Global Positioning System (GPS) navigation, a colour video tracking camera, and radar and barometric altimeters.

Flight line orientation was North South, with a nominal line spacing of 400 metres and a mean terrain clearance of 80m. Approximately 12,395 line kilometers of recorded total magnetic field data were collected, covering an area approximately 4,217 square kilometers. The data was compiled in map form and presented, in four sheets, at 1:50,000 scale. This report includes logistical details of the survey and technical descriptions of the instruments and procedures employed.

## 2.0 SURVEY AREA

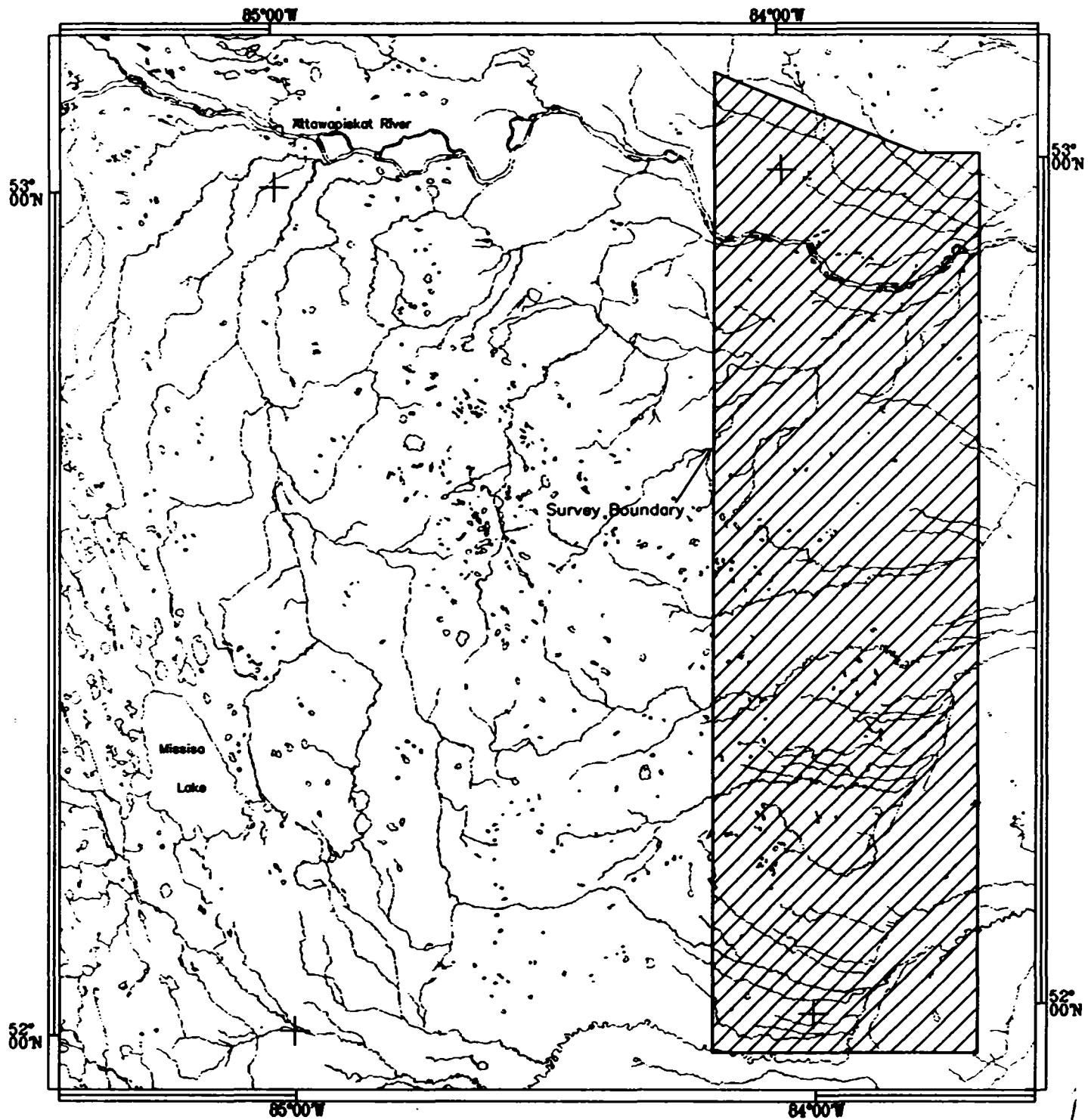
The survey was flown in the James Bay Lowlands of Ontario and, in general, may be described by a rectangular area, delineated by the following geographical coordinates:

	South West Corner	North East Corner
Main Area:	51° 57.7' Lat , 84° 11.6' Long	53° 00.5' Lat , 83° 36.6' Long

With an additional triangular area, contiguous with the top side and delineated by the following three coordinates:

53° 01.4' Lat , 84° 07.5' Long  
53° 06.4' Lat , 84° 07.2' Long  
53° 00.8' Lat , 84° 44.4' Long

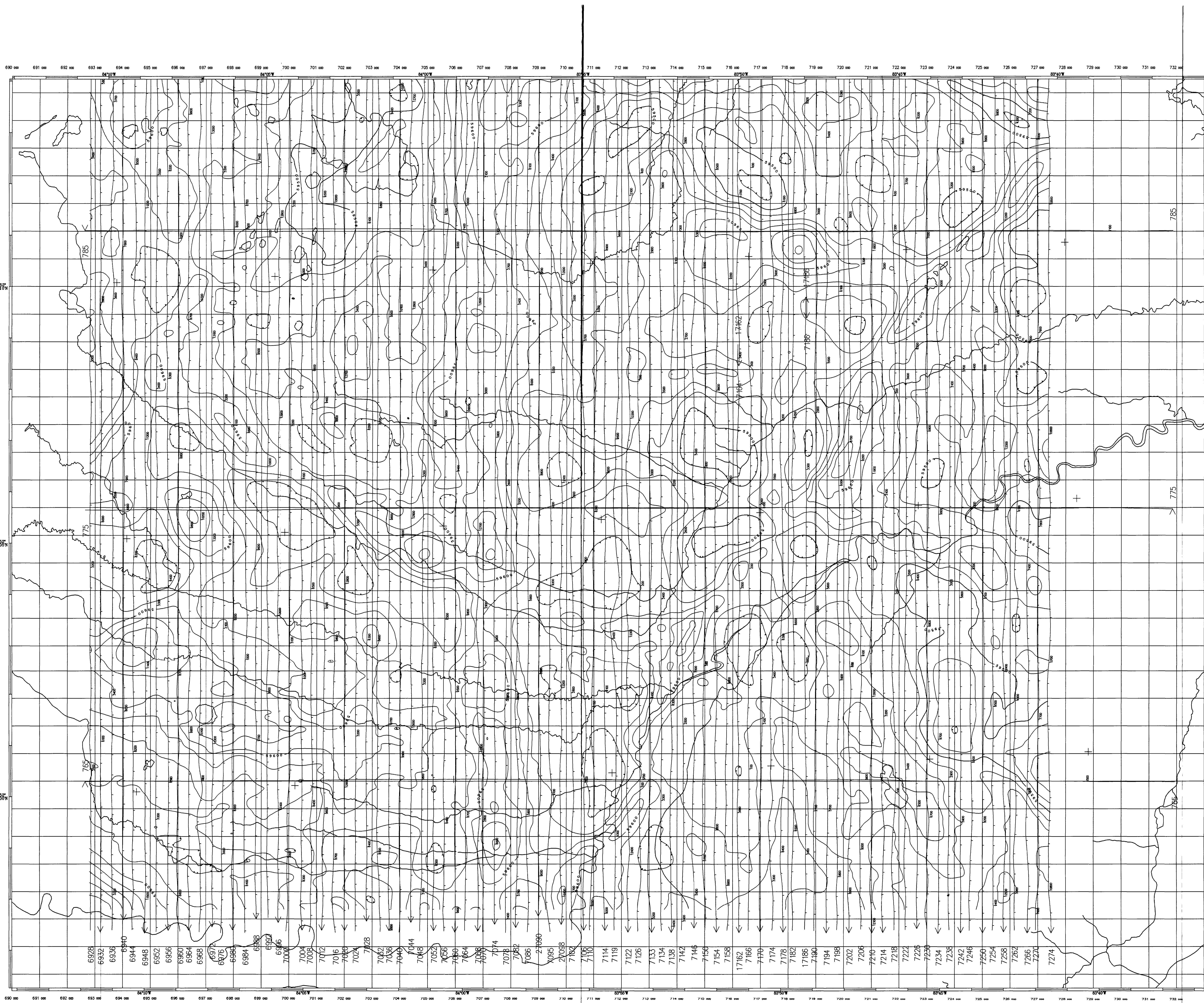
An outline of the survey area is depicted on the location map in figure 1.



SCALE 1:750,000

FIGURE 1 - SURVEY LOCATION MAP

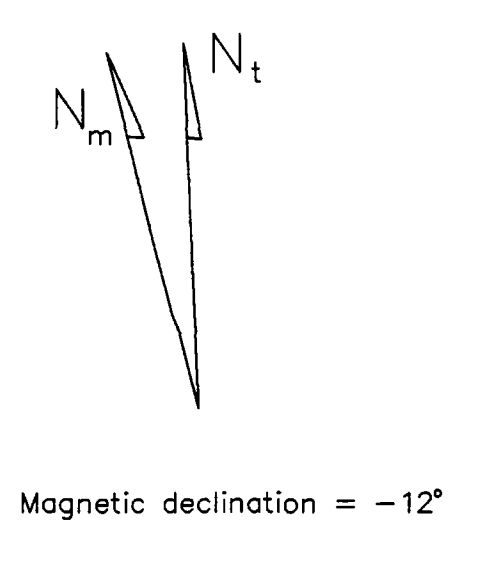
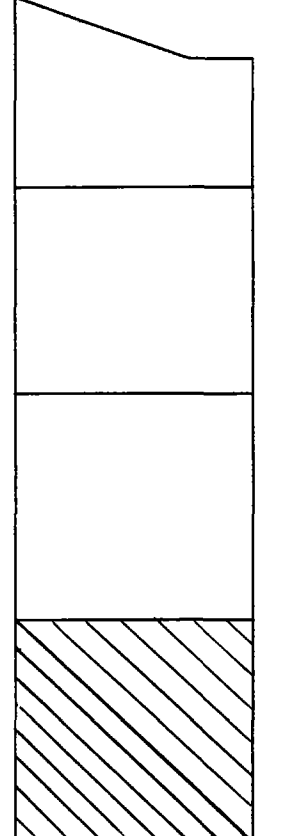
2.16688  
AMAG



**SURVEY SPECIFICATIONS**  
 Sensor Elevation: 80m Mean Terrain Clearance  
 Line Spacing: 400m

**EQUIPMENT**  
 Aircraft: Piper Navajo, CF-FR1  
 Magnetometer: Vortek Optically Pumped Cesium  
 Altimeter: TRT ERT-011  
 Navigation: Magnavox 4200 GPS

**COMPILATION**  
 Flight Path: Differential GPS, corrected and transformed to NAD-27 UTM coordinate system  
 Magnetics: Diurnal corrected with reference to base station and control lines, with supplemental micro-leveling  
 Gridding Interval: 50m  
 Contour Interval: 25,100,500 nT



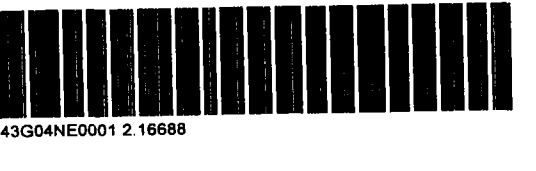
0 1 2 3 4 5 (km)

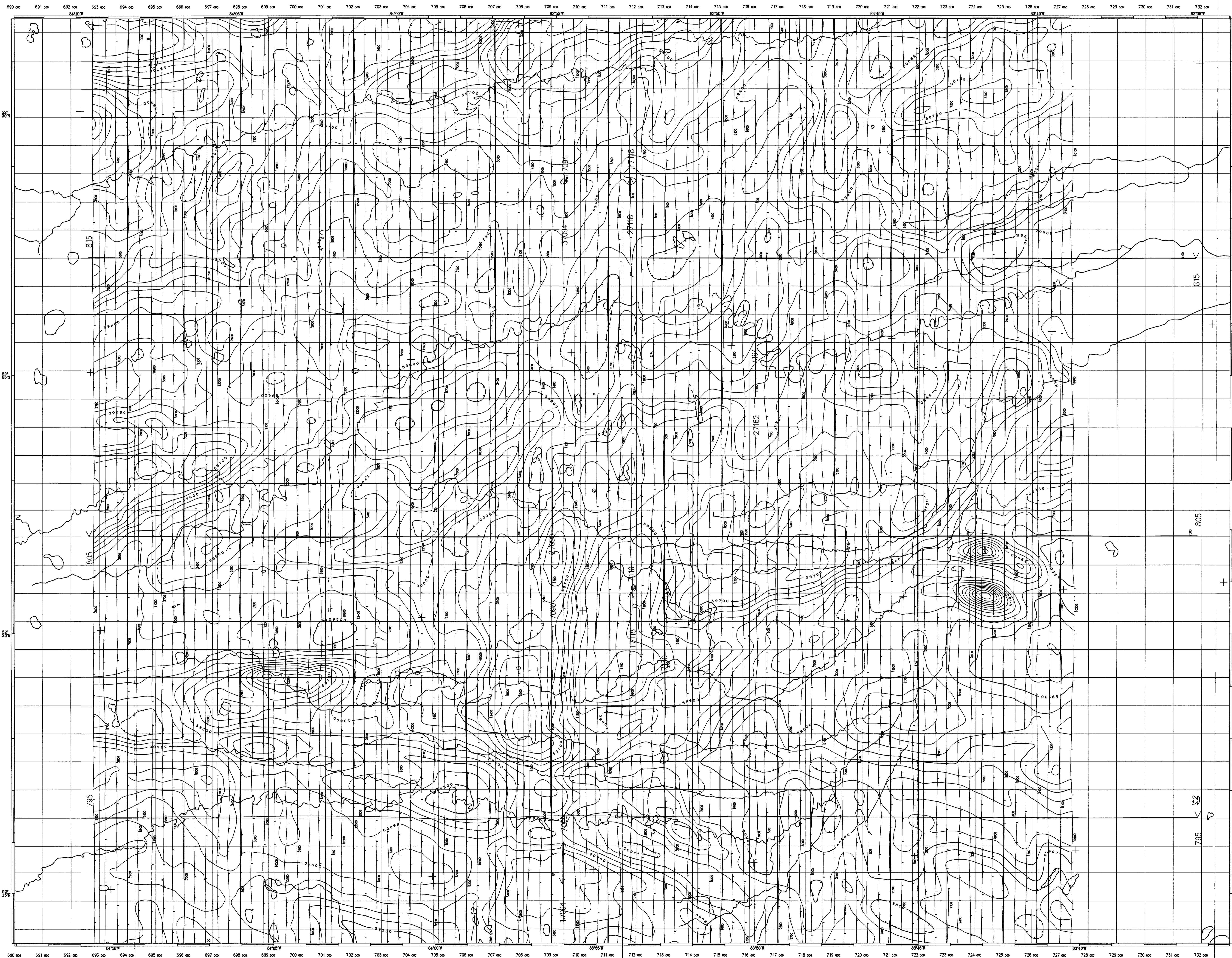
**KWG RESOURCES LTD**  
**SPIDER 1 PROJECT - JAMES BAY LOWLANDS**  
**TOTAL MAGNETIC FIELD**

Scale: 1:50,000 Date Flown: Sept/94  
 Map Sheet: 1 of 4 Date Compiled: Oct/94  
 Survey flown and compiled by High-Sense Geophysics Ltd

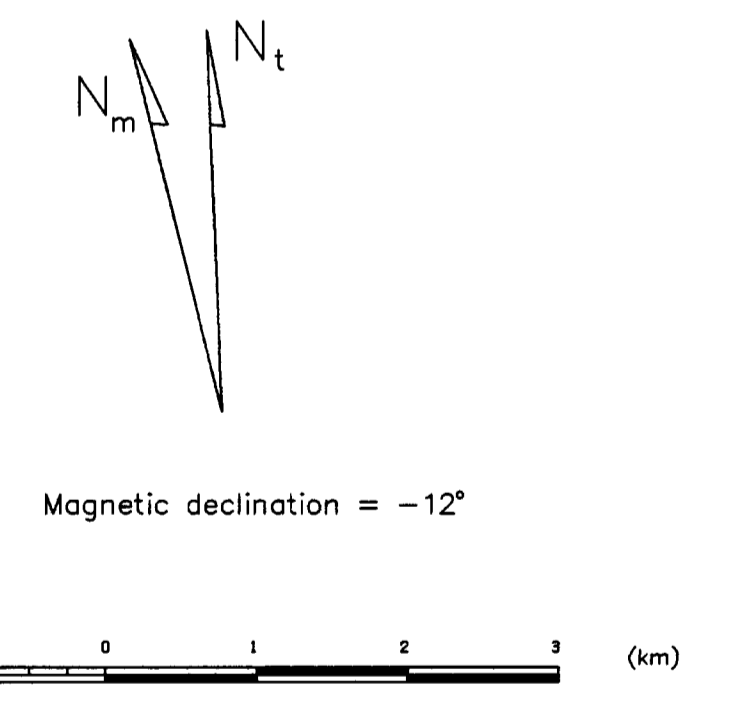
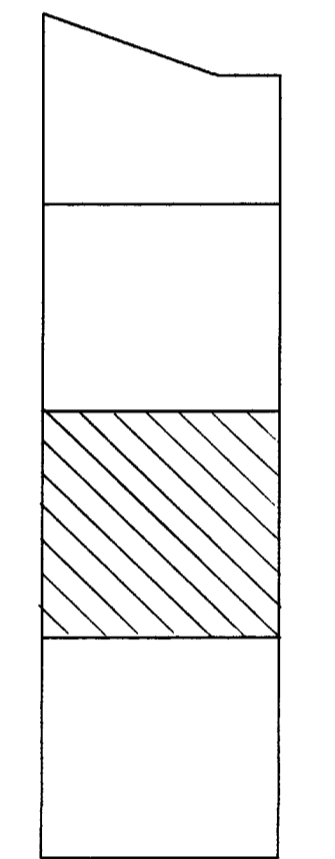
**2-16688**

**RECEIVED**  
 JUL 18 1996  
 MINING LANDS BRANCH





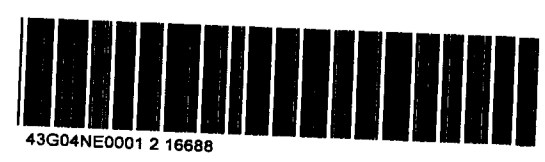
SURVEY SPECIFICATIONS	
Sensor Elevation:	80m Mean Terrain Clearance
Line Spacing:	400m
EQUIPMENT	
Aircraft:	Piper Navajo, CF-FRY
Magnetometer:	Varian Optically Pumped Cesium
Altimeter:	TRT ERT-011
Navigation:	Magnavox 4200 GPS
COMPILATION	
Flight Path:	Differential GPS, corrected and transformed to NAD-27 UTM coordinate system
Magnetics:	Diurnal corrected with reference to base station and control lines, with supplemental micro-leveling
Gridding Interval:	50m
Contour Interval:	25,100,500 nT

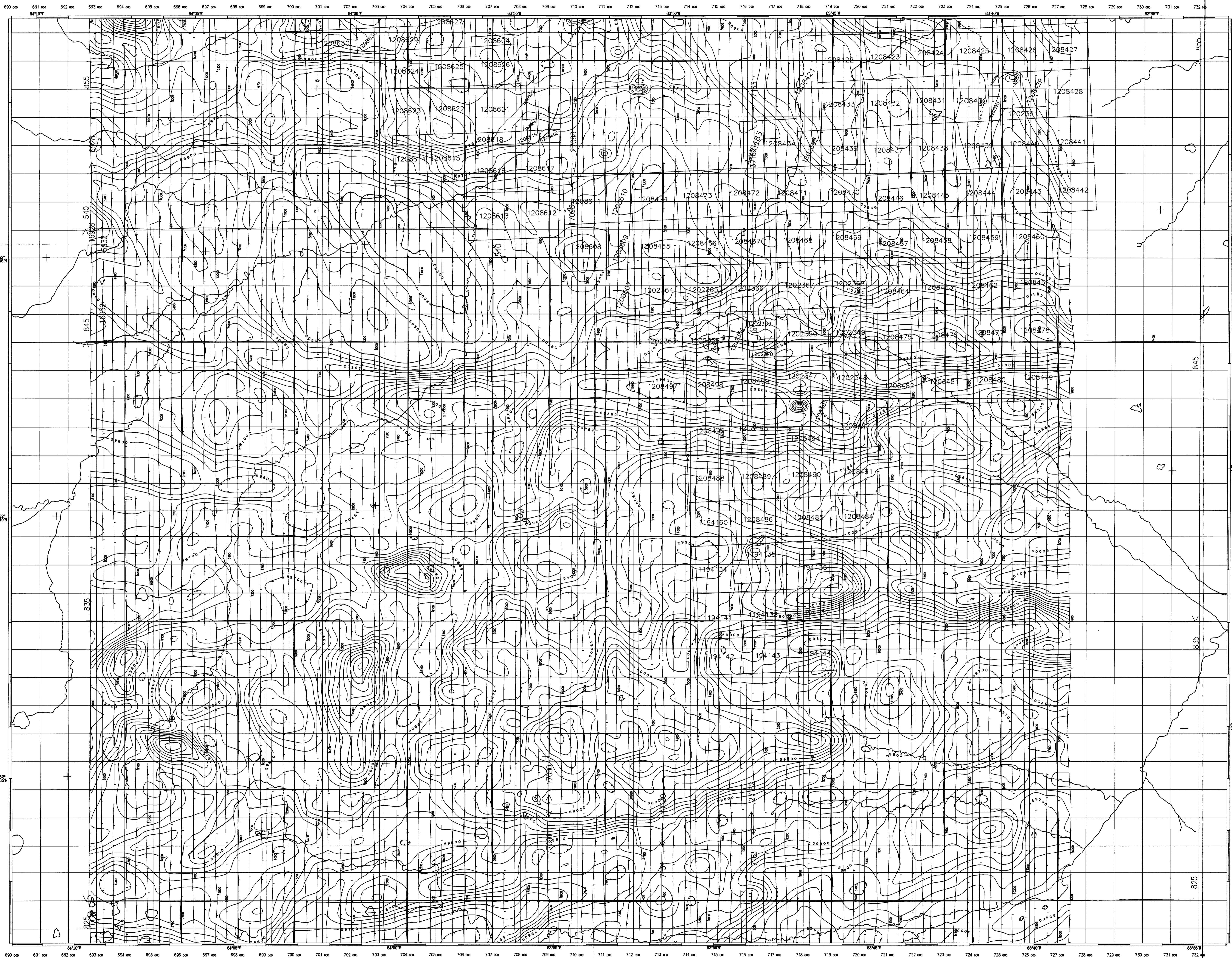


RECEIVED  
JUL 18 1995  
MINING LANDS BRANCH

2.16688

KWG RESOURCES LTD	
SPIDER 1 PROJECT - JAMES BAY LOWLANDS	
TOTAL MAGNETIC FIELD	
Scale:	1:50,000 Date Flown: Sept/94
Map Sheet:	2 of 4 Date Compiled: Oct/94
Survey flown and compiled by High-Sense Geophysics Ltd	

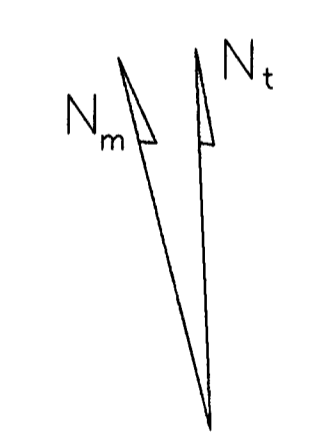
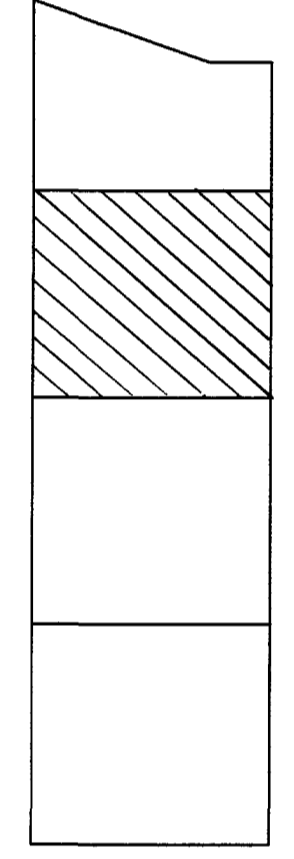




**SURVEY SPECIFICATIONS**  
 Sensor Elevation: 80m Mean Terrain Clearance  
 Line Spacing: 400m

**EQUIPMENT**  
 Aircraft: Piper Navajo, CF-FRY  
 Magnetometer: Varion Optically Pumped Cesium  
 Altimeter: TRT ERT-011  
 Navigation: Magnavox 4200 GPS

**COMPILATION**  
 Flight Path: Differential GPS, corrected and transformed to NAD-27 UTM coordinate system  
 Magnetics: Diurnal corrected with reference to base station and control lines, with supplemental micro-leveling  
 Gridding Interval: 50m  
 Contour Interval: 25,100,500 nT



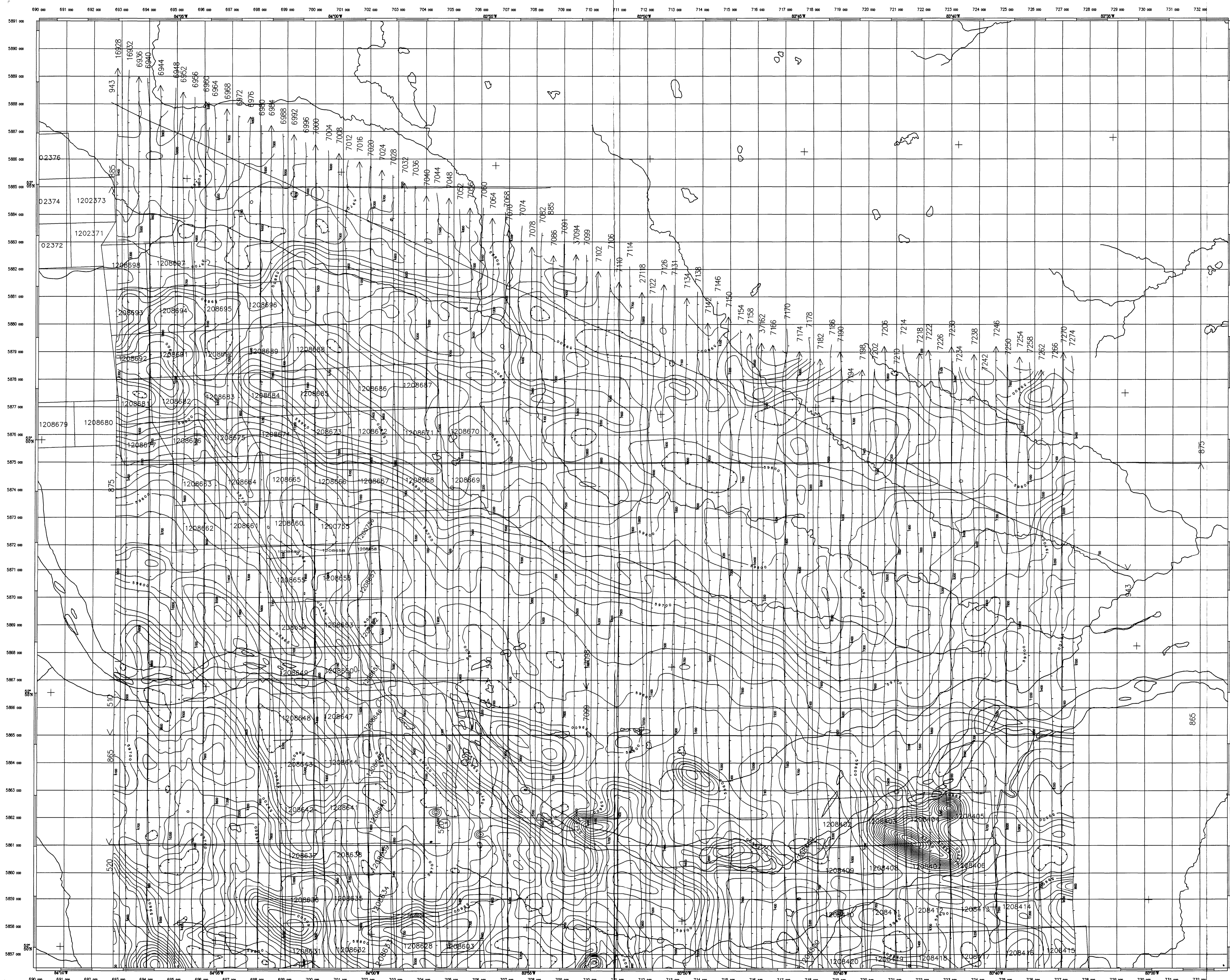
Magnetic declination = -12'



RECEIVED  
 JUL 18 1995  
 MINING LANDS BRANCH

2.16688

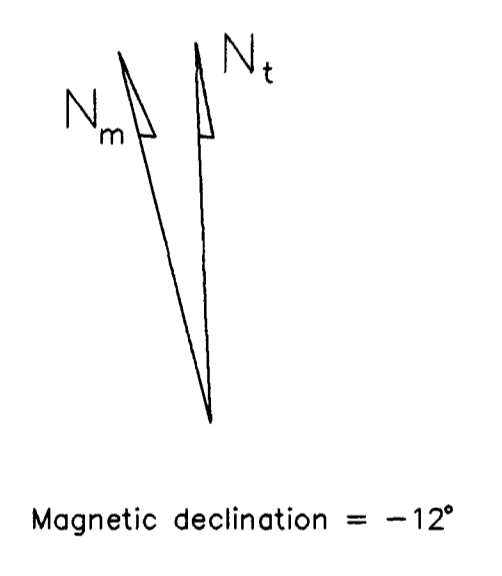
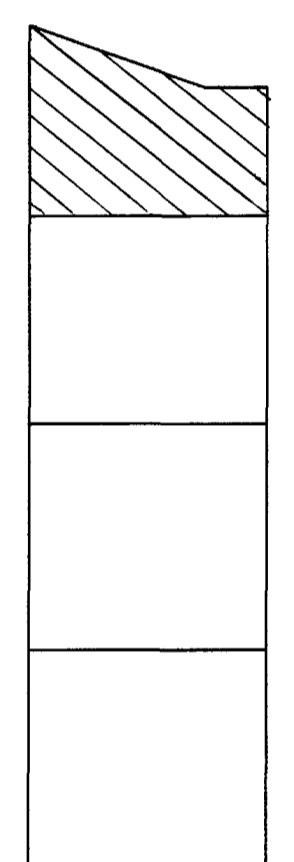
KWC RESOURCES LTD  
 SPIDER 1 PROJECT - JAMES BAY LOWLANDS  
 TOTAL MAGNETIC FIELD  
 Scale: 1:50,000 Date Flown: Sept/94  
 Map Sheet: 3 of 4 Date Compiled: Oct/94  
 Survey flown and compiled by High-Sense Geophysics Ltd



**SURVEY SPECIFICATIONS**  
 Sensor Elevation: 80m Mean Terrain Clearance  
 Line Spacing: 400m

**EQUIPMENT**  
 Aircraft: Piper Navajo, CF-FRY  
 Magnetometer: Varian Optically Pumped Cesium  
 Altimeter: TRT ERT-011  
 Navigation: Magnevox 4200 GPS

**COMPILATION**  
 Flight Path: Differential GPS, corrected and transformed to NAD-27 UTM coordinate system  
 Magnetics: Diurnal corrected with reference to base station and control lines, with supplemental micro-leveling  
 Gridding Interval: 50m  
 Contour Interval: 25,100,500 nT



2.16688

RECEIVED  
 JUL 18 1996  
 MINING LANDS BRANCH

KWG RESOURCES LTD  
 SPIDER 1 PROJECT - JAMES BAY LOWLANDS  
 TOTAL MAGNETIC FIELD

Scale: 1:50,000 Date Flown: Sept/94  
 Map Sheet: 4 of 4 Date Compiled: Oct/94  
 Survey flown and compiled by High-Sense Geophysics Ltd

