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2.56866

Geophysical Survey 2012
Stuarton Resources Ltd.

Assessment Report for Work done in 2012
and Submitted May 11, 2016

Submitted by Lionel C. Kilburn, BSc, MSc, PhD
President & Chief Executive Officer

May 11, 2016

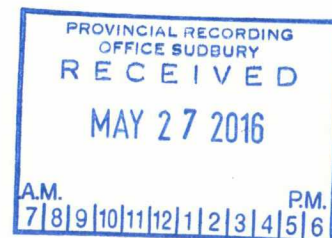


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Geophysical Surveys of Grid #3

Introduction

During 2009, a prospecting reconnaissance traverse using EM16 along line 15W of Grid #1 but north of the original Grid#1, detected a strong but small conductive zone. Subsequent testing of the zone with the Mobile Metal Ion (MMI) technique along four cross lines on a pace and compass traverse found the conductive zone to be anomalous with copper.

Poorer but interesting correlations with the conductive zone were detected with nickel, cobalt, palladium, silver, and gold. These correlated with the EM16 zone on only one or two lines.

Subsequent to these reconnaissance results, a grid (Grid#3) was cut over the conductive zone, and magnetometer and EM16 were carried out.

Access

Grid #3 is easily accessible by second class roads from Dryden, Ontario to claims 1238194 and 1238195, in the northwest corner of Webb Township. Location of the claims may be seen on Claim Map G2888. Location of the access road is shown in Appendix I.

Previous Work

The Ontario Geological Survey mapped the area of Grid #3, and published the results on OGS maps Lateral Lake East and West P2371 and P2372. Of some significance to this program is a note of copper on the other side of the large hill of rhyolitic breccia outcrop from this work. This

exposure of copper is not described in the report which accompanies these maps, and OGS advises that they do not have the original field notes.

However, this notation of copper is located only about 660 feet north and west of the conductive zone detected by this work. This notation of copper nearby shows that conditions for copper deposition have existed in the area at one time.

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Geologic examination of the hill of rhyolite breccia shows that it is very difficult to obtain a consistent strike and dip to the formations. In fact, it is very much an irregular mix of strikes and dips, some of them unusually flat lying for Precambrian terrain.

Present Work

Appendix IV shows the location of Grid#3 with respect to Grid #1, claims 1238194 and 1238195 and the airborne survey. Report of the geophysical contractor is reported in Appendix VI.

The geophysical surveys on Grid #3 confirmed the presence of a short but strongly conductive zone along the northwest side of a magnetic zone. Contoured magnetic patterns are shown in Appendix II, and location of the EM16 conductive axis on Appendix V. The strength and quality of the conductive zone is demonstrated by the EM16 profiles which are shown in Appendix III.

Recommendations

Based on the results of geophysical surveys, it is recommended that at least three drill holes be completed. Two of these holes would test the main conductive zone on Line 4E, and also what appears to be an increase in the width of this conductive zone on Line 6E. The third hole would test a strong one line conductivity on Line 6E south and east of the Base Line.

Locations of these three holes are shown on the map in Appendix V. All holes would have an inclination of fifty (50) degrees southeast on line with the grid, and a depth of 150 meters.

Respectfully submitted,



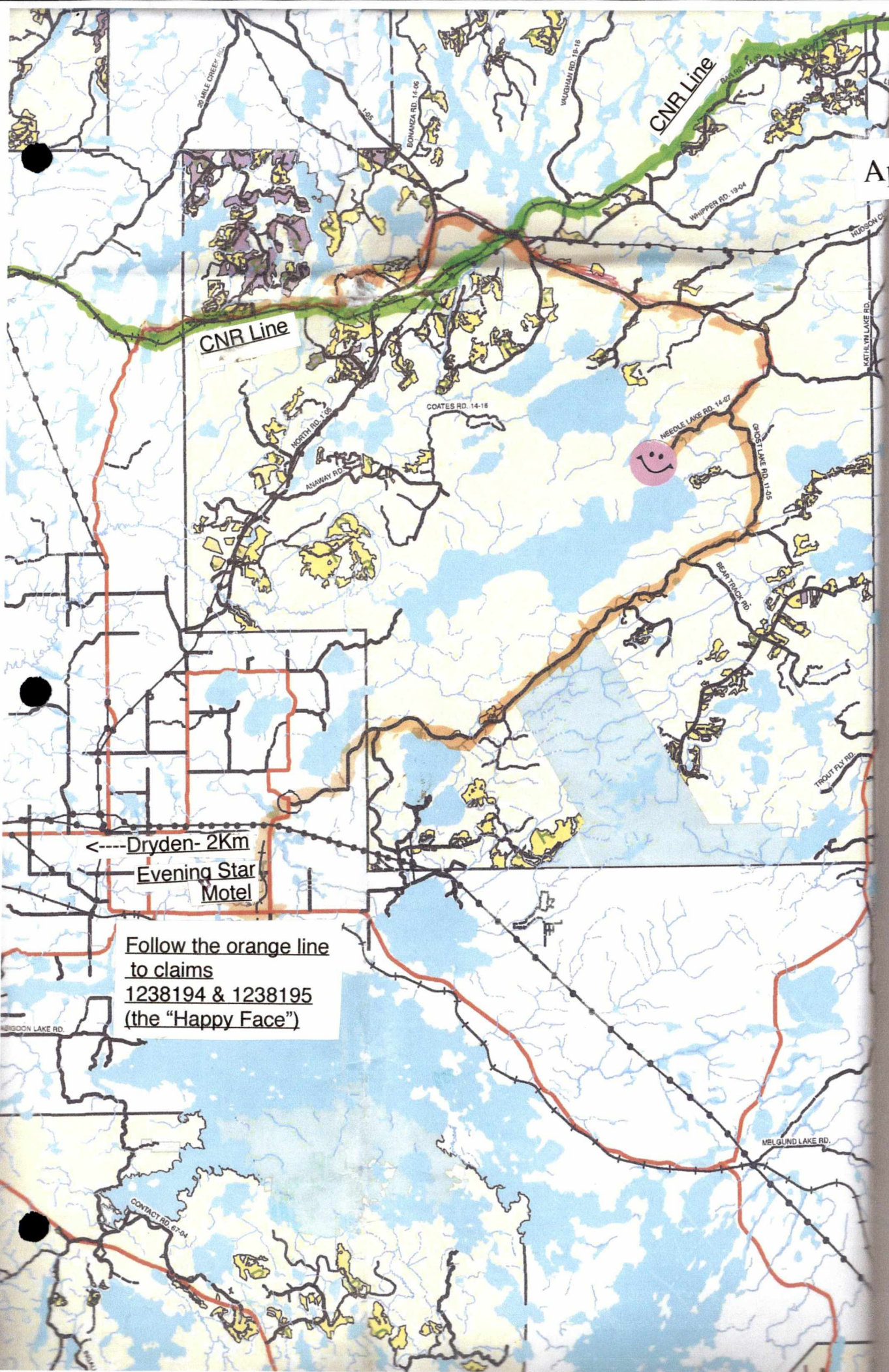
Lionel C. Kilburn, BSc, MSc, PhD
President & CEO, Stuarton Resources Ltd.

LCK/May 10, 2016

Appendix I

Location of Access Road

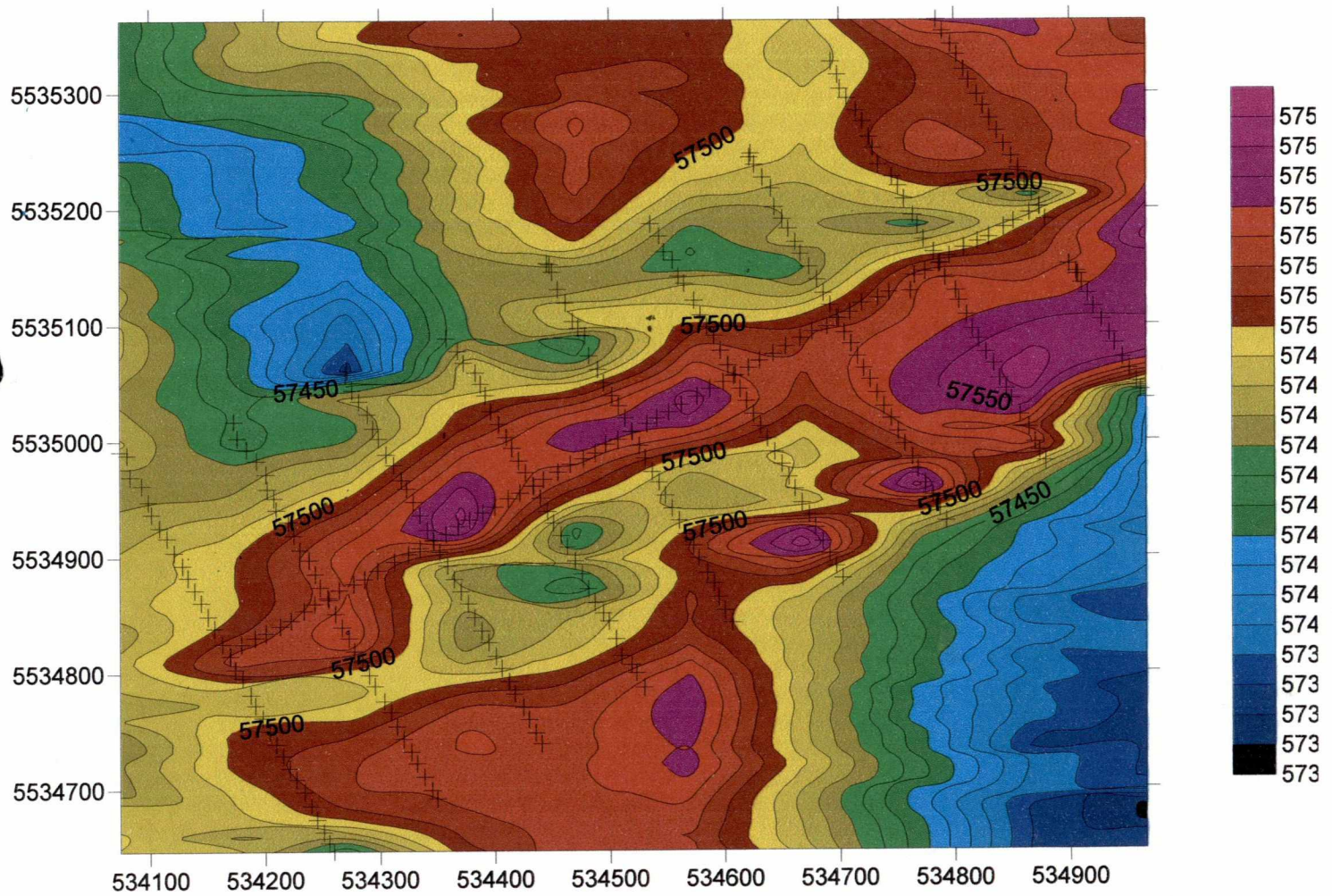
Appendix I



Appendix II

Ground Magnetic Survey Map

Appendix II

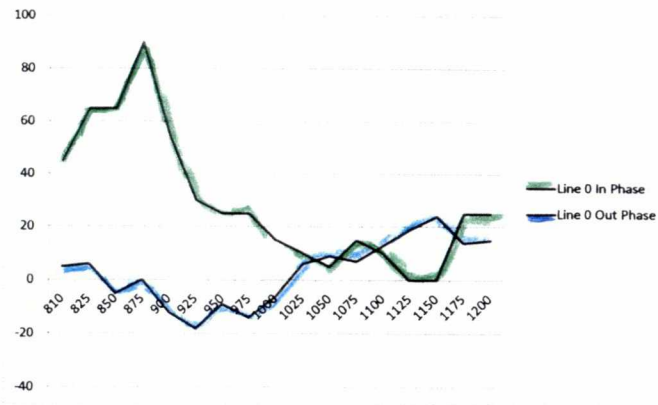


Appendix III

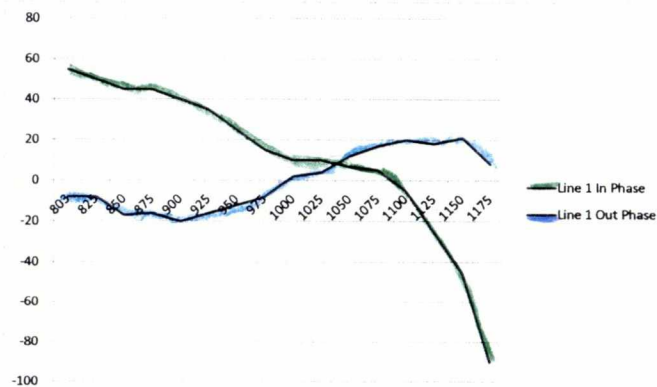
EM16 Profiles For Grid #3

Appendix III

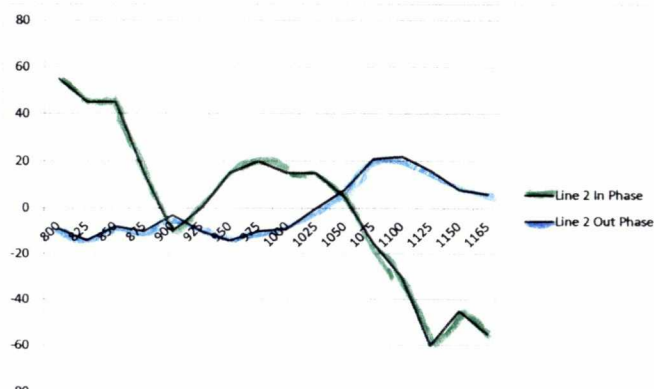
Line 0		
Station	In Phase	Out Phase
810	45	5
825	65	6
850	65	-5
875	90	0
900	55	-12
925	30	-18
950	25	-9
975	25	-14
1000	15	-6
1025	10	6
1050	5	9
1075	15	7
1100	10	13
1125	0	19
1150	0	24
1175	25	14
1200	25	15



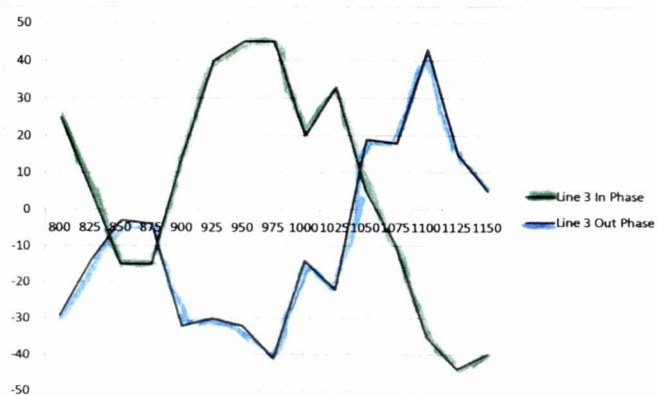
Line 1		
Station	In Phase	Out Phase
803	55	-8
825	50	-8
850	45	-17
875	45	-16
900	40	-20
925	35	-16
950	25	-12
975	15	-8
1000	10	2
1025	10	4
1050	7	12
1075	5	17
1100	-5	20
1125	-25	18
1150	-45	21
1175	-90	8



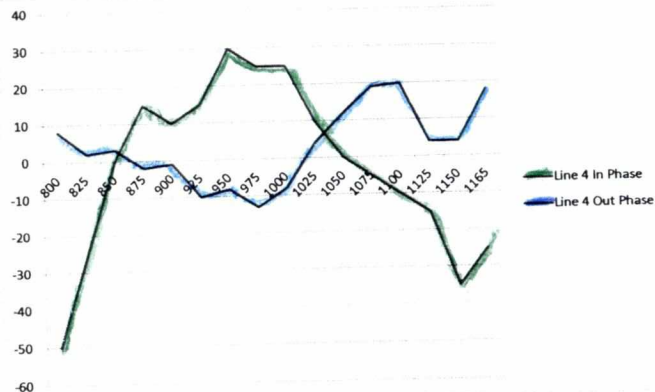
Line 2		
Station	In Phase	Out Phase
800	55	-9
825	45	-14
850	45	-8
875	15	-10
900	-10	-3
925	0	-10
950	15	-14
975	20	-10
1000	15	-9
1025	15	0
1050	5	8
1075	-15	21
1100	-30	22
1125	-60	16
1150	-45	8
1165	-55	6



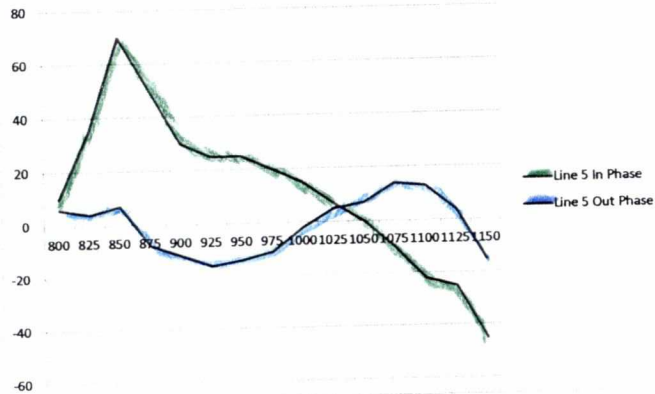
Line 3		
Station	In Phase	Out Phase
800	25	-29
825	5	-14
850	-15	-3
875	-15	-4
900	15	-32
925	40	-30
950	45	-32
975	45	-41
1000	20	-14
1025	33	-22
1050	5	19
1075	-10	18
1100	-35	43
1125	-44	15
1150	-40	5



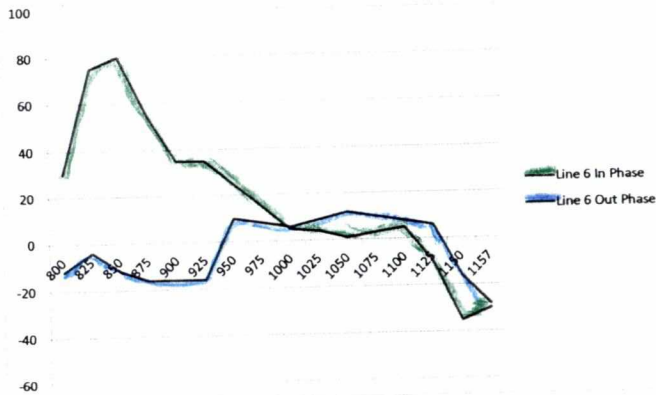
Line 4		
Station	In Phase	Out Phase
800	-50	8
825	-25	2
850	0	3
875	15	-2
900	10	-1
925	15	-10
950	30	-8
975	25	-13
1000	25	-8
1025	10	4
1050	0	12
1075	-5	19
1100	-10	20
1125	-15	4
1150	-35	4
1165	-25	18



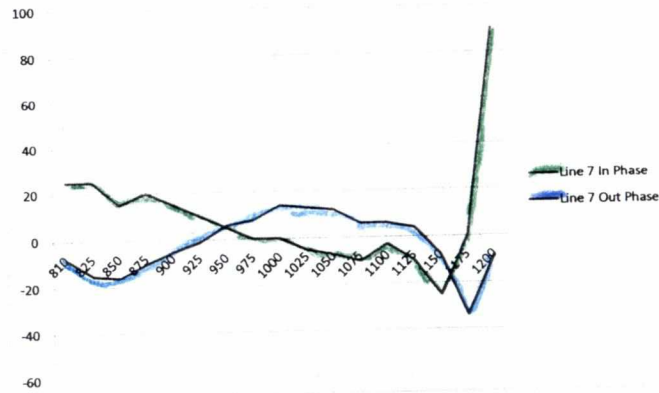
Line 5		
Station	In Phase	Out Phase
800	10	6
825	35	4
850	70	7
875	50	-8
900	30	-12
925	25	-16
950	25	-14
975	20	-11
1000	15	-2
1025	7	5
1050	0	7
1075	-10	14
1100	-22	13
1125	-25	4
1150	-45	-15



Line 6		
Station	In Phase	Out Phase
800	30	-12
825	75	-4
850	80	-12
875	55	-16
900	35	-16
925	35	-16
950	25	10
975	15	8
1000	5	6
1025	4	9
1050	1	12
1075	3	10
1100	5	8
1125	-10	6
1150	-35	-16
1157	-30	-28

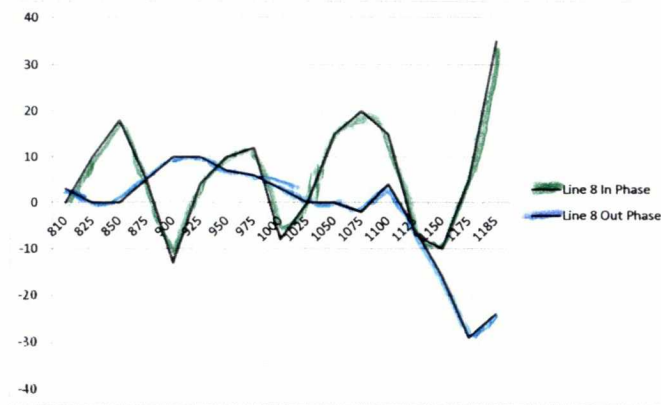


Line 7		
Station	In Phase	Out Phase
810	25	-8
825	25	-15
850	15	-16
875	20	-10
900	15	-5
925	10	-1
950	5	6
975	0	8
1000	0	14
1025	-5	13
1050	-7	12
1075	-10	6
1100	-3	6
1125	-10	4
1150	-25	-8
1175	0	-34
1200	90	-8

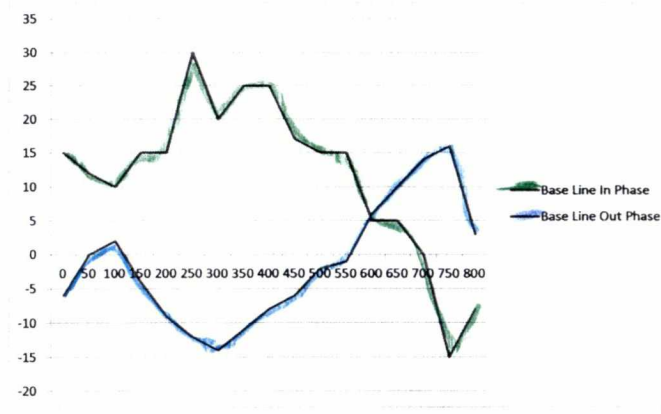


Appendix III

Line 8		
Station	In Phase	Out Phase
810	0	3
825	0	0
850	8	0
875	5	5
900	-3	10
925	4	10
950	0	7
975	2	6
1000	-8	3
1025	0	0
1050	5	0
1075	20	-2
1100	5	4
1125	-7	-6
1150	-0	-16
1175	5	-29
1185	35	-24

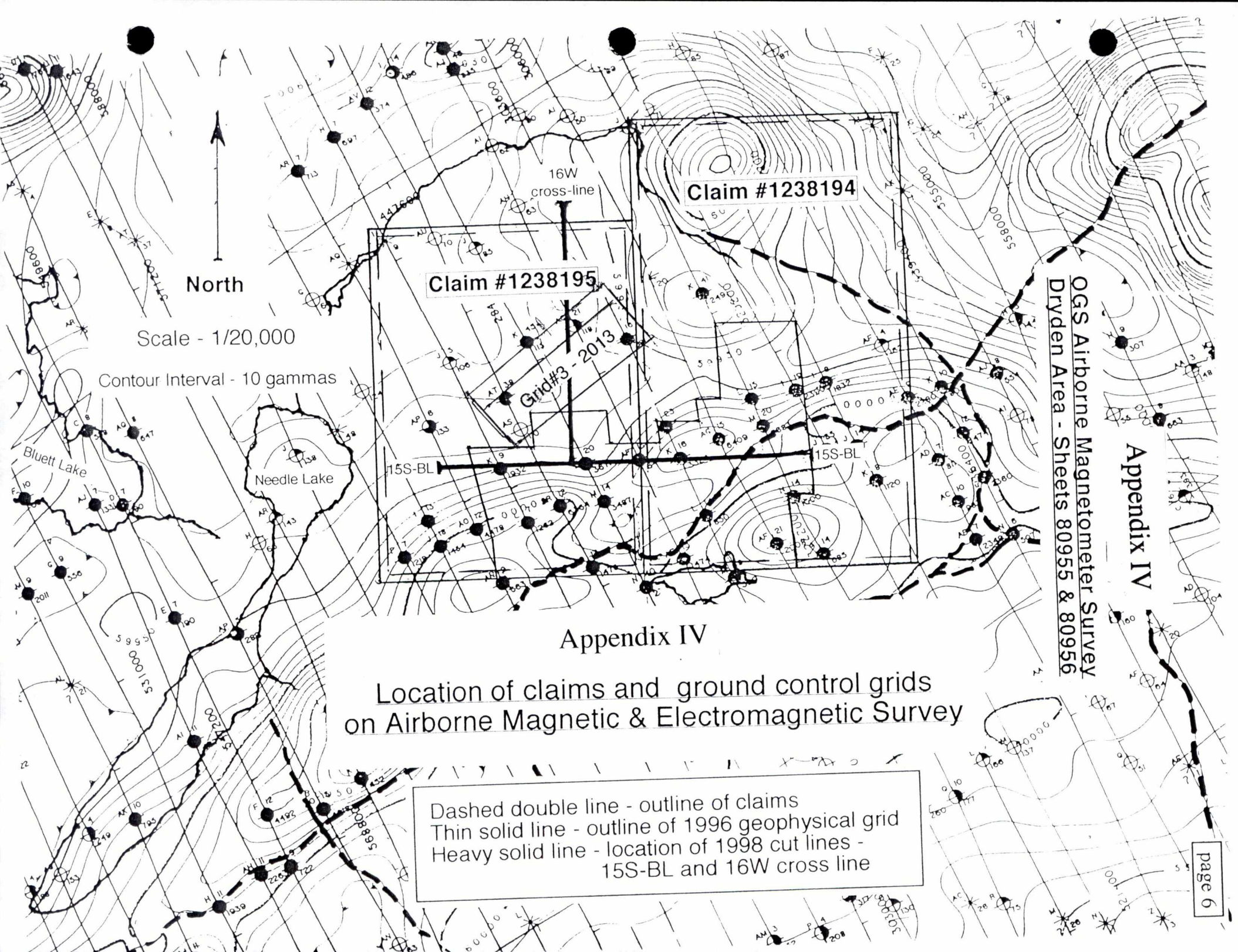


Base Line		
Station	In Phase	Out Phase
0	5	-6
50	2	0
100	0	2
150	5	-4
200	5	-9
250	30	-12
300	20	-14
350	25	-11
400	25	-8
450	7	-6
500	5	-2
550	5	-1
600	5	6
650	5	10
700	0	14
750	-5	16
800	8	3



Appendix IV

Location of Grid #3 with respect to Grid #1
Claims 1238194 and 1238195,
and the Airborne Survey



Claim #1238194

Claim #1238195

Grid#3 - 2013

15S-BL

15S-BL

Appendix IV

Location of claims and ground control grids
on Airborne Magnetic & Electromagnetic Survey

Dashed double line - outline of claims
Thin solid line - outline of 1996 geophysical grid
Heavy solid line - location of 1998 cut lines -
15S-BL and 16W cross line

OGS Airborne Magnetometer Survey
Dryden Area - Sheets 80955 & 80956

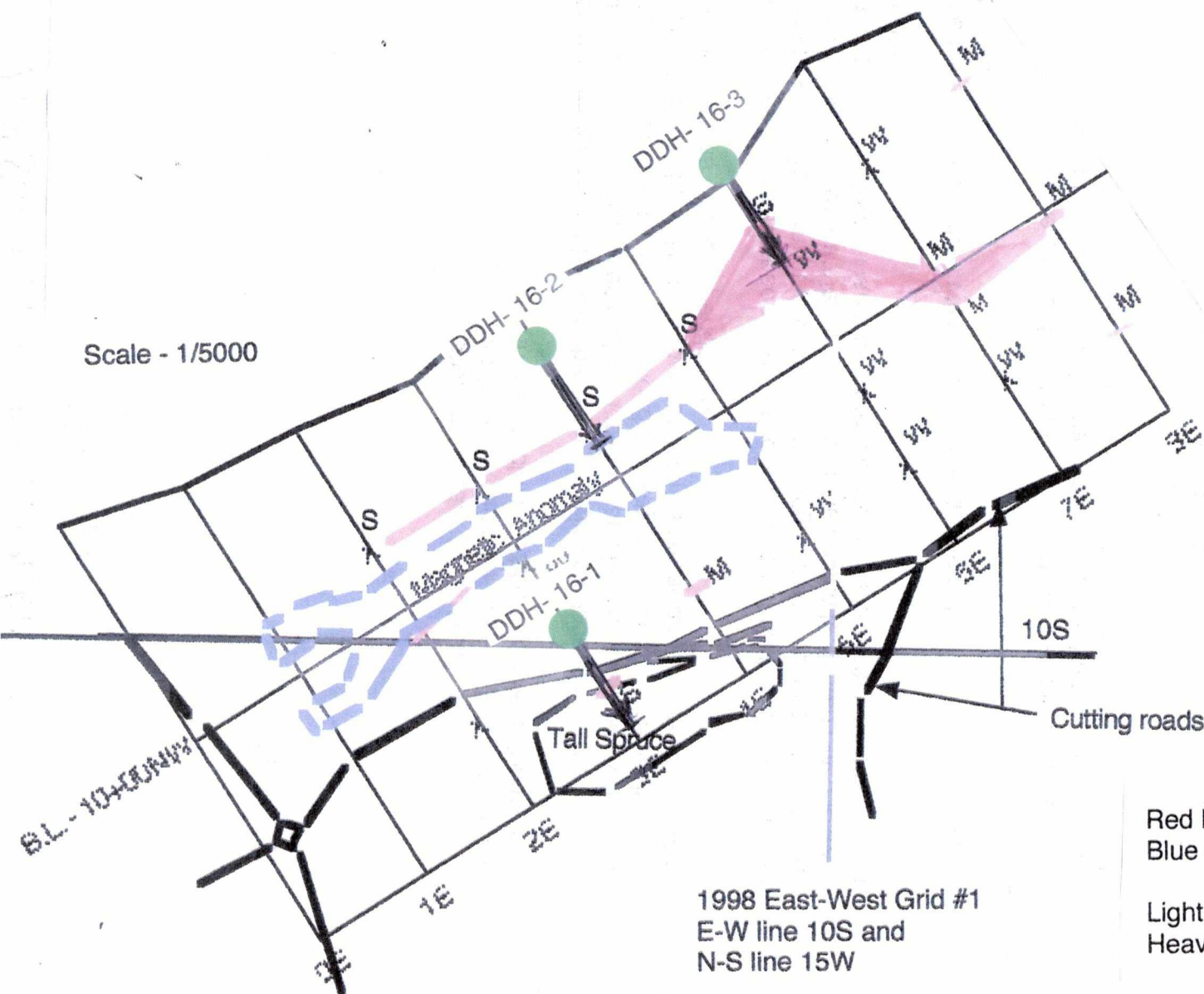
Appendix IV

Appendix V

Location of EM16 Conductive Axis
with respect to the Magnetic Trend
and the Location of Drill Holes

NORTH

Scale - 1/5000



Key to EM16 Responses

S - strong response
M - moderate response
W - weak response

Red line - axis of EM16 conductive zone
Blue dashed line - outline of magnetic anomaly

Light black lines - cut lines Grid #3
Heavy black lines - old cutting roads

1998 East-West Grid #1
E-W line 10S and
N-S line 15W

Appendix VI
Geophysical Contractor's Report

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Lac du Bonnet, Manitoba, R0E 1A0
(204) 345 2937
tim_kulchyski@live.ca

Report on Line Cutting, Mag Survey and EM 16 Work Completed in the Dryden Area for Stuarton Resources August 2012

On, Monday, August 20th, 2012 the crew drove up to Dryden, Ontario which is about 354 kilometers, along the Trans Canada Highway, east of Winnipeg. We went through Dryden to Highway 601 (Airport road) and followed the road north about 4 kilometers to the Ghost Lake Road. The turn off to the Ghost lake road is just before the airport. We then drove approximately 22 kilometers to the northeast and found a turn off that went up the east side of Gullwing Lake. We followed this road for 6 or 7 kilometers to another turn off and turned due west. After about 500 meters we could drive no further and set up camp in a recent clear cut. Needle Lake was still much further west of us.

From the camp we could follow the road a further 400 meters and found a old drill road going to the north. We followed this road for about 500 meters to a series of Diamond Drill holes in an old cut (trees were about 6 to 8 feet tall in cut). We made a trail from that point another 500 meters to the northeast to the south end of Proposed Line 400E. This entire trail was through the same clear cut as the Drill holes and was through low lying ground that would be wet in the spring or in a wetter year.

We used a hand held gps unit (Garman GPSmap 60CSx) to flag the entire line and then proceeded to cut the line using sighting pickets to average out the flags. When completed we had a Line you could look down and see the south end from the north end (about 400 meters). The same hand held gps unit was used to determine where the Base Line would be and a turning crystal was used to turn the Base Line off of Line 400E. The Base Line and all subsequent lines were cut picket to picket with no further use of the GPS.

The Base Line was cut to the East staying in the old clear cut all the way to Line 0 E. from about 150E to 0 E a thick alder grove had grown (about 20 feet high) but there were no problems otherwise. When cutting to the west we left the clear cut at about 650E going into old growth but coming into the same clear cut at about 790E. Line 800E is in old growth from about 900N to about 990N, 700E is in old growth from about 950N to the north end of line at 1200N. All other lines go into the old growth at varying distances north of the Base Line. All lines stop at an outcrop ridge as per instructions.

The old growth forest is a mixture of Poplar, White Spruce, Black Spruce, a few Jack Pines and various under brushes.

The Line Cutting was completed on the morning of August 29th. At that point the grid was chained using a legal bush chain. Pickets were marked and put in every 25 meters and metal tagging was put in at every 50 meter mark as well as at the end of the lines.

On August 30th two geophysical surveys were carried out over the cut grid. Tim used his personal GEM 19 magnetometer unit and Johnathon used the clients EM 16 unit. Great care was taken that the operators of this equipment were always at least 200 meters apart while taking any readings.

On August 31st the camp was packed up, the area was cleaned up of any debris and the crew left the area.

Stuarton Resources Limited

Needle Lake Grid

Production Log

Crew: Tim Kulchyski – Crew Chief
Nancy Kulchyski - Cook
Johnathon Kulchyski - Helper

Sunday, August 19th - Preparation for trip

Monday, August 20th - Travel. Drove from Lac du Bonnet to grid. Set up camp. Grocery shopping.

Tuesday, August 21st - Johnathon and Tim found grid and access to grid in morning. In afternoon cut access trail to south end of Line 400E and cut all of Line 400E (190S to 170N).

Wednesday, August 22nd – Tim was ill. Sent Nancy and Johnathon into town for missed supplies

Thursday, August 23rd - Cut Base Line from 0 to 500E.

Friday, August 24th - Cut Base Line from 500E to 800E. Cut Line 800E from Base line to to 190S.

Saturday, August 25th - Rain

Sunday, August 26th - Line 8E North. Line 7E all. & Line 6 E South.

Monday, August 27th - Line 6E North. Line 5E All, Line 3E all.

Tuesday, August 28th - Line 2E, Line 1E and South Line of 0E

Wednesday, August 29th - L0E north line. Chained grid.

Thursday, August 30th - Tim did mag survey over grid. Johnathon did EM 16.

Friday, August 31st - Pack up and travel.

Resolution: 0.01nT (gamma), magnet field and gradient
Accuracy: 0.2nT over operating range
Range: 20,000 to 120,000 nT
Gradient Tolerance: Over 10,000nT/m
Operating Interval: 3 second minimum, faster optional. Readings initiated from keyboard,
external trigger, or carriage return via RS-232C
Input/Output: 6 pin weatherproof connector, RS-232C and (optional) analog output
Power Requirements: 12V, 200mA peak (during polarization), 30mA standby.
Power Source: Internal 12V, 2.6Ah sealed lead-acid battery
Battery Charger: Input: 110 VAC, 60 Hz.
Output: dual level charging
Operating Range: Temperature: -40C to +60C
Battery Voltage: 10.0V minimum to 15C maximum
Humidity: up to 90% relative, non condensing
Storage Temperature: -50C to +65C
Display: LCD: 240 X 64 pixels. Built in heater for operations below -20C
Dimensions: Console: 223x69x240mm
Sensor Staff: 4 x 450mm sections
Sensor: 170x71mm dia.
Weight: console 2.1 kg, Staff 0.9kg, sensor 1.1 kg

I am a geophysical field technician who has 24+ years experience in geophysical field work, including over half a year in China teaching their geophysical people how to run a modern IP survey. I have worked extensively for Discovery Geophysics and decided, with their blessings, to branch out on my own. This was done mostly because Discovery is now doing mostly large IP resistivity jobs in Northern Saskatchewan and I didn't want to be away from home for the long stretches it required..

I bought a state of the art mag unit, specifications to follow, that allows me to set up a gps grid to less than 1 meter accuracy, that is, I can do a grid mag survey without any lines being cut - following a gps route.

I have extensive experience in the Red Lake/Rice Lake areas and have worked for directly for Rubicon, Halo, Golden Pocket, Mineral Mountain, NorOnt, Harvest Gold and Sky Harbour. All of these companies will give me a good recommendation.

I have expedited work projects and have extensive bush skills, including line cutting, prospecting and mapping.

GSM-19 v7.0

Manufactured by
GEM systems Inc.
Advanced Magnetometers
52 West Beaver Creek
Suite 14
Richmond Hill, ON, L4B 1L9

From page 125 - 126 Instruction Manual

The GSM-19T is a portable standard (without Overhauser enhancement) proton magnetometer/gradiometer designed for hand-held or base-station use for geophysical, geotechnical or archaeological exploration, long term magnetic field monitoring at Magnetic Observatories, volcanological and seismic research, etc. The GSM-19T is a secondary measurement of the Earth's magnetic field, having 0.2nT resolution, and 1nT absolute accuracy over its full temperature range.

The GSM-19T is a microprocessor based instrument with storing capabilities. Large memory storage is available. Synchronized operation between hand held and base station units is possible, and the corrections for diurnal variations of magnetic field are done automatically. The result of measurements are made available in serial form (RS-322-C interface) for collection by data acquisition systems, terminals or computers. Both on-line and post-operation transfer are possible.

Grad Specifications

Stuarton Grid

H SOFTWARE NAME & VERSION
I GPSU 5.12 01 FREEWARE VERSION
S DateFormat=dd/MM/yyyy
S Units=M.M
S SymbolSet=2

H R DATUM
M E NAD83 066 0.0000000E+00 -1.6434840E-11 0 0 0

H COORDINATE SYSTEM
U UTM UPS

F ID----	Zne	Eastng	Northng	Symbol-----	T	Alt(m)	Comment
W L 000E	15U	534167	5534822	waypoint	I	0.0	
W 0E190S	15U	534256	5534654	waypoint	I	0.0	
W L 100E	15U	534255	5534869	waypoint	I	0.0	
W 1E190S	15U	534344	5534701	waypoint	I	0.0	
W L 200E	15U	534344	5534916	waypoint	I	0.0	
W 2E190S	15U	534433	5534748	waypoint	I	0.0	
W L 300E	15U	534432	5534963	waypoint	I	0.0	
W 3E190S	15U	534521	5534795	waypoint	I	0.0	
W L 400E	15U	534520	5535010	waypoint	I	0.0	
W 4E190S	15U	534609	5534842	waypoint	I	0.0	
W L 500E	15U	534608	5535057	waypoint	I	0.0	
W 5E190S	15U	534698	5534889	waypoint	I	0.0	
W L 600E	15U	534697	5535104	waypoint	I	0.0	
W 6E190S	15U	534786	5534936	waypoint	I	0.0	
W L 700E	15U	534785	5535151	waypoint	I	0.0	
W 7E190S	15U	534874	5534983	waypoint	I	0.0	
W L 800E	15U	534873	5535198	waypoint	I	0.0	
W 8E190S	15U	534963	5535030	waypoint	I	0.0	
W 0E180N	15U	534082	5534981	waypoint	I	0.0	
W 1E170N	15U	534175	5535019	waypoint	I	0.0	
W 2E160N	15U	534268	5535057	waypoint	I	0.0	
W 3E130N	15U	534371	5535078	waypoint	I	0.0	
W 4E150N	15U	534450	5535142	waypoint	I	0.0	
W 5E140N	15U	534543	5535180	waypoint	I	0.0	
W 6E140N	15U	534631	5535227	waypoint	I	0.0	
W 7E190N	15U	534696	5535318	waypoint	I	0.0	
W 8E190N	15U	534784	5535365	waypoint	I	0.0	