REPORT ON THE 2008 DIAMOND DRILLING PROGRAM
ON THE
MCCART PROPERTY
PORCUPINE MINING DIVISION, NORTHEASTERN ONTARIO
FOR
BRIDGEPORT VENTURES INC

NTS 42A15SW

December 30, 2008
Toronto, Ontario, Canada

J. Kevin Montgomery P. Geo
MPH Job C-2180

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF MAPS AND SECTIONS

APPENDICES

EXECUTIVE SUMMARY

The McCart Property, held by Bridgeport Ventures Inc., is situated 47 km northeast of Timmins, Ontario. It is comprised of two contiguous unpatented mining claims (194 hectares) located in central McCart Township.

A diamond drilling program consisting of five BQ drill holes totalling 780 metres was completed on the McCart Property from November 29 to December 27, 2008. This field work was preceded by a review and evaluation of previous work. This program was carried out to test for nickel mineralization within ultramafics at or near the contact with mafic volcanics, in the vicinity of a reported historic nickel showing.

The diamond drilling program on the McCart Property successfully intersected sulphide bearing peridotites. Two anomalous nickel mineralized sections were intersected, namely 0.35% Ni over 1 m (60-61 m) and 0.31% Ni over 1 m (107-108 m) in hole MC08-5.

A program of borehole electromagnetic surveying was compromised by the understandable inability of the geophysical contractor to get the downhole probe through friable graphitic argillite units. In any event, no down-hole conductors of potential interest were identified (Coulson, 2008).

The presence of anomalous nickel sulphide mineralization within the peridotites, the interstitial nature of the sulphide mineralization in the peridotites, and the presence of footwall sulphidic graphitic argillite units that might have acted as a sulphur source are encouraging for further nickel exploration on the property.

Future exploration work recommended is as follows; a rock geochemical analysis program on the 2008 drill core focusing on the peridotites to determine nickel tenors and Mg contents amongst other things, a state-of-the-art ground electromagnetic survey concentrating on the peridotite portions of the property and trenching in select locations along the peridotite-basaltic komatiite contact.

1.0 INTRODUCTION

1.1. Introduction

The McCart Property is comprised of two contiguous unpatented mining claims (12 units) covering approximately 194 hectares in McCart Township. It is held 100% by Bridgeport Ventures Inc.

This report describes the 2008 winter diamond drilling program on the McCart Property. The holes were drilled to investigate the possibility of nickel mineralization within the basal portions of peridotite stratigraphy on the property. The drilling was conducted from November 27 to December 30, 2008 and was preceeded by a review and evaluation of previous exploration work on and in the vicinity of the property. The co-ordination and implementation of the various technical tasks was carried out by K. Montgomery of Timmins Ontario.

1.2. Location and Access

The property is situated in McCart Township, Porcupine Mining Division, Northeastern Ontario. The centre of the property is approximately 47 km northeast of Timmins (Figure 1). It covers Concession 5 Lot 6 and Concession 5 Lot 7 E1/2 in central McCart Township. The latitude and longitude of the central portion of the property is approximately 48 46'N and 80 52' W.

The property is easily accessed by motor vehicle west from the village of Iroquois Falls via the western extension of Highway 578, locally known as Berlinghoff Road. The southeast corner of the property is approximately 4.7 km west of Highway 11. Berlinghoff Road cuts through the southern boundary of the property. ATV/Drill trails trend north off Berlinghoff Road and allow all terrain vehicle access to the drill sites from both the west and east sides of the property.

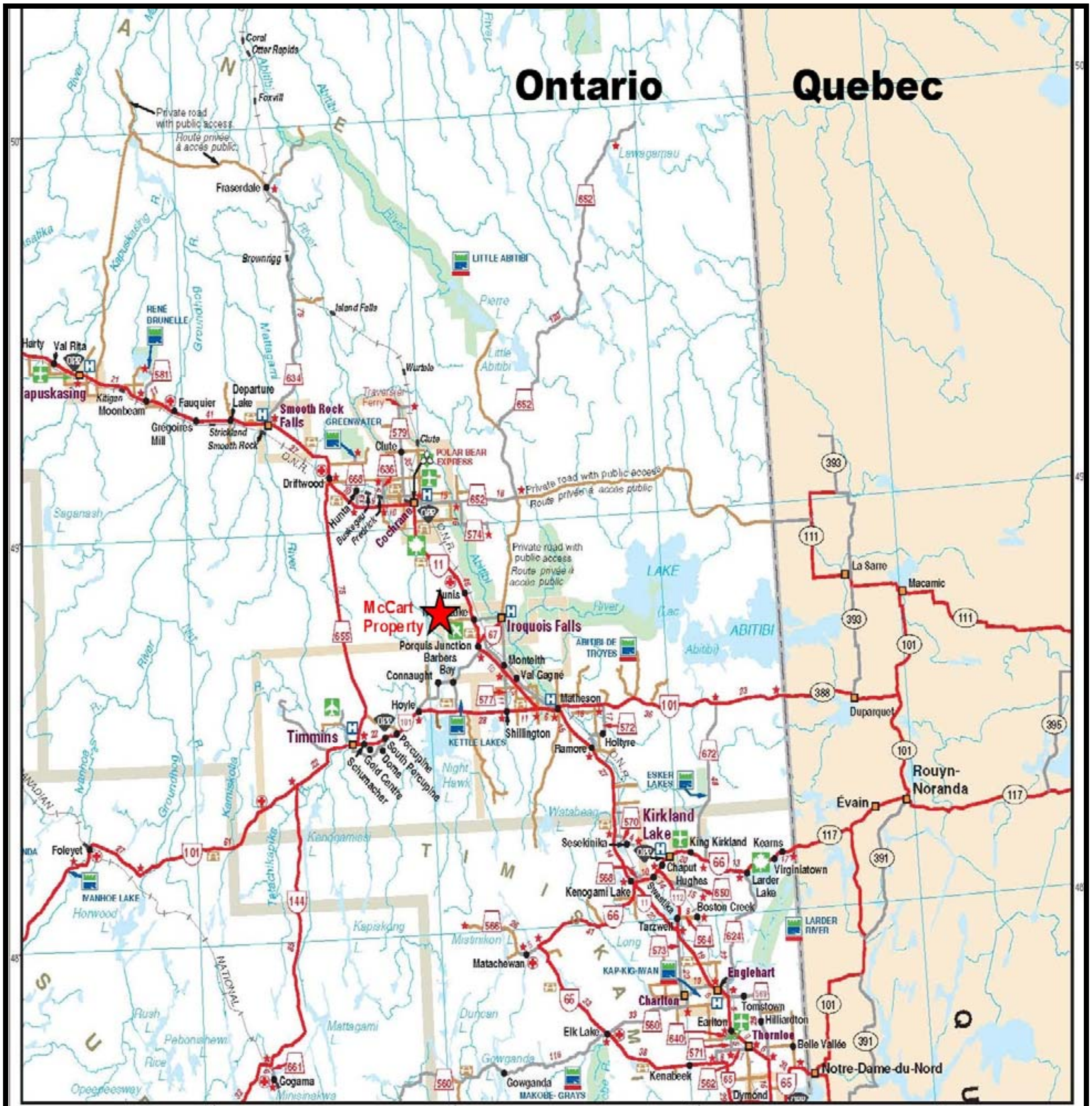
1.3. Property Description

The McCart Property is comprised of 2 unpatented mining claims (12 claim units) in McCart Townships (Figure 2). It is approximately 194 hectares in size. The claims are registered to Mr. William Brereton of Ancaster, Ontario. It is the author's further understanding that Mr Brereton has vended a 100% interest in these claims to Bridgeport Ventures Inc, 357 Bay Street, Suite 900, Toronto, Ontario, M5H 2T7.

Table 1.1 McCart Property Claim Listing

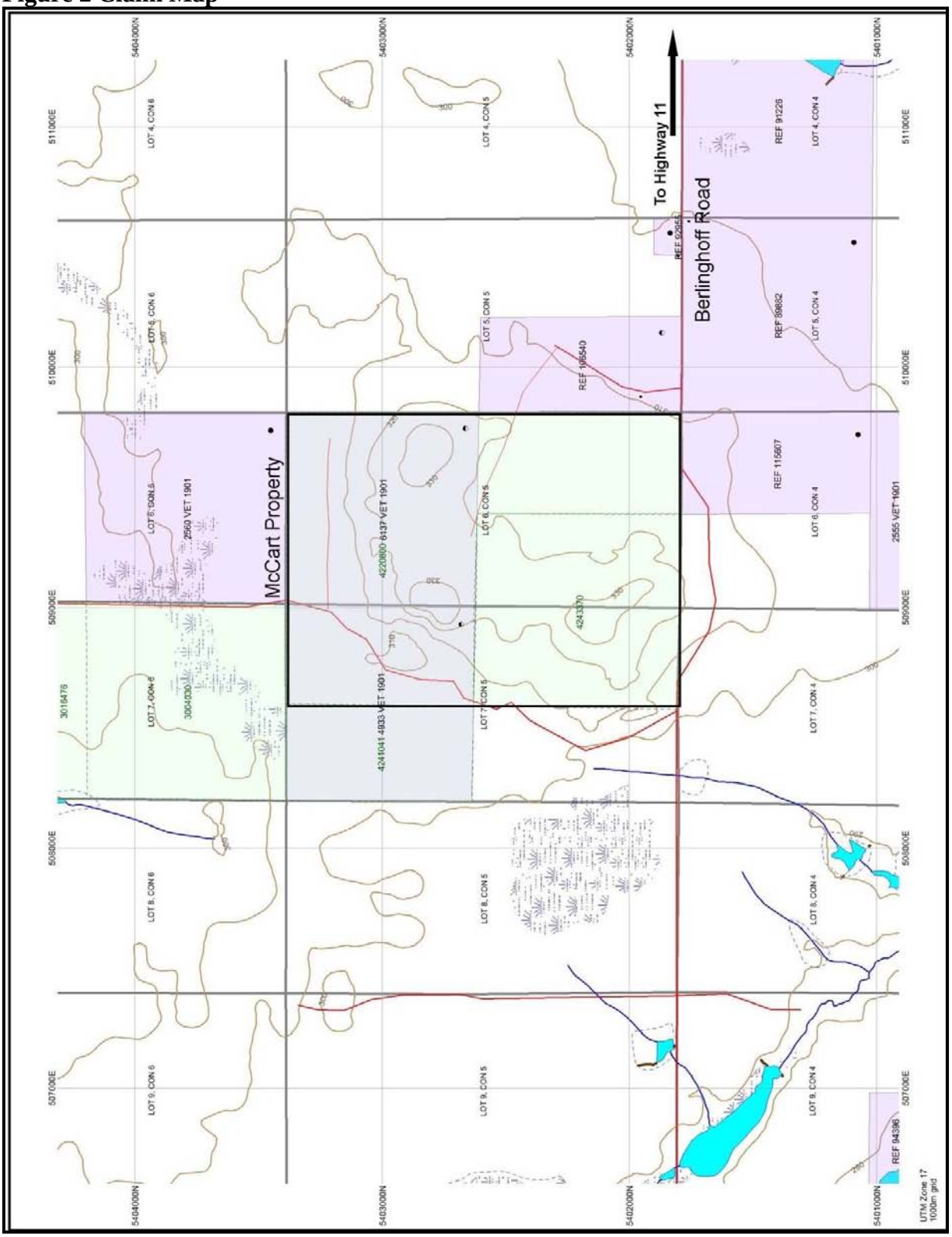
Twp	Claim	Rec Date	Due Date	Work req	No. units	Size
McCart	4220800	2008-Nov-20	2010-Nov-20	$3,200	8	129.36
McCart	4243370	2008-Nov-27	2010-Nov-27	$1,600	4	64.68
			TOTAL	$4,800	12	194.04

Figure 1 Location Map



The topography of the McCart Property is comprised of two bedrock outcrop areas that form small hills above the flat boreal forest terrain (see Figure 2). Vegetation consists of mixed deciduous and conifers chiefly consisting of birch, poplar, spruce and balsam. The elevation of the property is approximately 300 to 330 meters above sea level. The climate of the project area is warm and dry during the summer months from May through to September and cold and snowy from November to March. Temperatures range from +30 Celsius in the summer to -30 Celsius in the winter.

Figure 2 Claim Map



2.0 PREVIOUS WORK

The McCart Township area has received a moderate amount of exploration interest during the 1950's and 1960's for asbestos with more recent initiatives focused upon nickel exploration as the area is a highly prospective belt for the discovery of komatiite-hosted nickel sulphide mineralization. The recent exploration work on the Alexo, Dundeal and Dundonald South nickel deposits in Dundonald Township immediately to the southeast has further fueled interest in the McCart area.

Nickel mineralization was first reported on the Bridgeport McCart Property in 1916, when grab rock samples from the Don O'Connor Property in Lot 7, Con 5 McCart Township are said to have contained up to 3 percent nickel (Baker, 1917). In 1950, the Arrow Timber Company (Calstock Exploration and Development Company) mapped and conducted a magnetic survey over the present McCart Property. A diamond drilling program consisting of seven diamond drill holes was carried out in search for asbestos fibre. Six of the holes were drilled on the present claim 4220800 and intersected serpentinized dunite; only minor asbestos was encountered (Truss, 1951).

In 1957, Nortoba Nickel Explorations Limited conducted magnetic and resistivity surveys over eight claims in Con 5 Lots 6 and 7 including the present property. This was followed by Union Mining Corporation which drilled one diamond drill holes in 1961 on the present property; Hole UMC-2 was spotted to intersect the previously reported Don O'Connor nickel mineralization in Lot 7. The 232.5 m long hole cut peridotite, argillite and andesite volcanic. The argillite from 47.5 to 67.2 m downhole occurs at the peridotite/andesite contact and contained 6-10% pyrite-pyrrhotite mineralization. No assays were reported in the log and no sulphide mineralization is mentioned in the peridotite. In 1965,0'Brien Gold Mines Limited conducted a magnetic and vertical loop EM survey over nine claims in Lots 7 and 8, Con 4 and 5 including the present property. One EM conductor on Lot 7 Con 5 was subsequently drill tested and was determined to consist of graphitic sediments with minor sulphides.

In 1988, a combined airborne electromagnetic and magnetic survey was flown by Geoterrex Limited for the Ontario Geological Survey (OGS, 1988), which covered much of the area immediately north and east of Timmins, inclusive of McCart Township and the present Bridgeport property.

The most recent exploration work on the McCart Property was conducted from 1990-2000 when the property was part of a claim group held by K. M. Cunnison and D. Pyke. They conducted geological mapping, ground magnetic and ground HLEM-VLF surveys, rock sampling, rock geochemistry work, petrographic and microprobe analysis. Grab samples collected by Cunnison in 1990 returned values ranging from 345 ppm to 4130 ppm Ni. The sulphides are predominantly pyrrhotite with minor chalcopyrite and pentlandite and occur as fine disseminations forming 2-5% of the rock or more commonly as an interlocking, net-textured, sulphide forming 15-20% of the rock up to widths of 0.5 m. The Pt-Pd values ranged from 16-69 ppb. Their rock geochemistry work indicated that both the peridotites and andesites were komatiitic in affinity.

3.0 GEOLOGY AND MINERALIZATION

3.1. Regional and Property Geology

The McCart Property lies within the southwestern part of the Abitibi Subprovince of the Archean Superior Province. The Abitibi Subprovince or "greenstone belt" is the world's largest and best preserved example of an Archean supracrustal sequence. The Abitibi Subprovince is an assemblage of volcanic, sedimentary, and intrusive rocks deformed into a roughly east-trending, 200 km wide belt exposed from the Kapuskasing Structure in Ontario to the Grenville Orogen in Quebec, a distance of 400 km. The Abitibi Subprovince, compared to all other Archean Subprovinces of the Superior Province, is uniquely well endowed with metallic mineral deposits including the mining areas of Timmins (base metals and gold), Kirkland Lake (gold), Val d'Or (gold and base metals), and Noranda (base metals and gold). These mining areas are situated along major east and northeast trending deformation zones (Destor Porcupine Deformation Zone, Cadillac-Larder Lake Deformation Zone). These were active throughout the main periods of Archean volcanism and became the focus of a late period of alkaline volcanism and sedimentation between 2680 and 2677 Ma.

Several cycles of volcanism and sedimentation are known in the southern Abitibi Subprovince. These sequences usually begin with the deposition of ultramafic flows and intrusions and tholeiitic basalts which have interflow argillaceous sediments. The cycles then typically evolve into calc-alkaline flows, pyroclastic rocks and epiclastic sedimentary rocks deposited in marine to fluvial basins. The layered stratigraphy is intruded by gabbroic to granitic plutons during and after deformation and metamorphism. Metamorphic grade varies from greenschist to lower amphibolite facies. The basal komatiitic parts of the volcanic cycles are of most interest for nickel exploration.

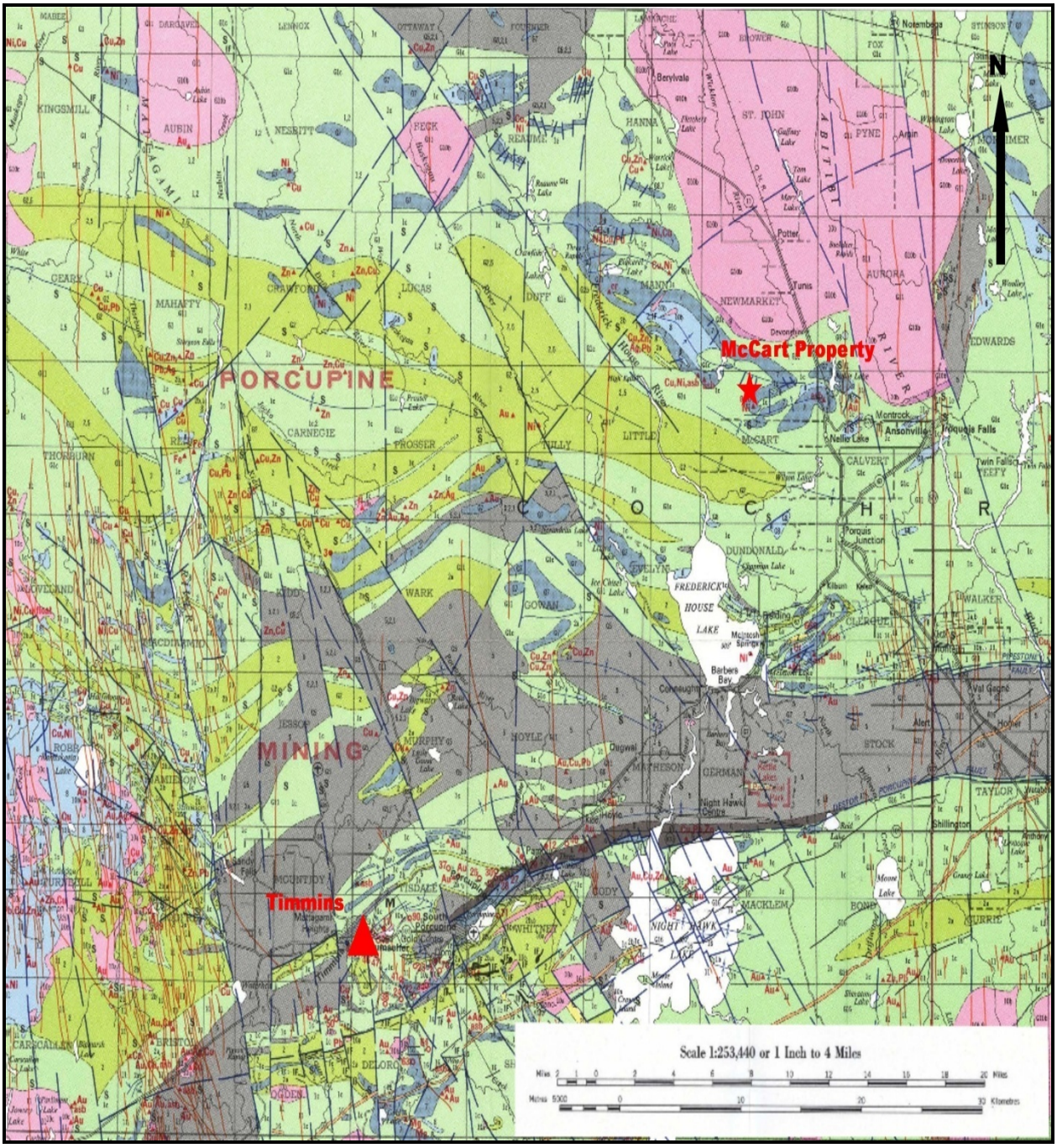
The present Bridgeport property is located near the southeast end of a large gabbroic-ultramafic complex in the Kidd-Munro Assemblage. The complex extends about 20 km to the northwest into Mann Township (Figure 3). The complex appears to be a large synclinal structure that has been emplaced within relatively flat lying komatiitic and tholeiitic volcanics.

The property is underlain by a sequence of pillowed to massive basaltic komatiites that trend northeasterly across the south half of lots 6&7 Con 5 and easterly across the north half lots 6&7 Con 5. The northern basaltic komatiite sequence has north facing pillow tops and the stratigraphy has a shallow dip of 20 to 30 degrees to the north (Pyke, 1993). In the South basaltic komatiite sequence, a series of anticlines and synclines trending east-west are inferred from the mapping of pillow top directions (Cunnison and Pyke, 1993). Peridotites occur as an envelope surrounding the volcanics.

The northern contact of the basaltic komatiites and the peridotite has been heavily trenched in the past on the south half of lot 7 Con 5. Mapping by D. Pyke and K Cunnison of the trenched areas in and around the contact indicates the peridotites have undergone quite intense carbonatization and albitization. A zone of intensely sheared, graphitic metasediment occurs immediately south of the altered peridotite contact. Nickel mineralization on the south half of lot 7 Con 5 appears

largely to occur within weak sheared zones in the peridotite north of the peridotite-volcanic contact (Cunnison, 1991).

Figure 3 Regional Geology – Northeast Timmins Area



4.0 2008 EXPLORATION PROGRAM

4.1. Discussion of Core Drilling

A diamond drilling program consisting of five holes totalling 780 metres was completed on the McCart Property from November 29 to December 27, 2008. This BQ diamond drilling program was carried out by Salo Drilling of Iroquois Falls. The purpose of the drilling was to test for nickel mineralization within basal ultramafics at or near the contact with mafic volcanics. The drilling was conducted over a 300 m strike length of the contact. All the drilling was conducted on claim 4243370 (Con 5 Lot 7 South ½ Northeast ¼) and is shown on Map 1.

Table 4.1 Drill Hole Locations

HOLE	easting	northing	elevation	length	Azimuth	Dip
MC08-1	508799	5402424	317	106.6	140	-50
MC08-2	508880	5402485	316	82	140	-50
MC08-3	508953	5402544	319	202	140	-50
MC08-4	509028	5402630	322	202	140	-50
MC08-5	508888	5402637	321	185	140	-50

A brief summary of the holes drilled is outlined below and detail drill logs are found in Appendix A. Rock Quality Determination (RQD) and core recovery measurements for all holes are found in Appendix B. Overall the RQD was good for all holes with some local blocky ground. Core recovery was excellent with rare loss.

HOLE MC08-01

0-5 m Casing
5-57.4 Peridotite Massive Flow? (mesocumulate)
- 5-9.7 m 0.5% to locally 1% pyrrhotite.

57.4-77.6 Pyritic Graphitic Argillite/Greywacke (bedded)
77.6-106.6 Komatiitic basalt with the following sulphide zones (semi-massive sulphide with graphitic argillite material). Brassy pyrite disseminations throughout the unit.
- 82-82.5 Pyrite Zone
- 83-83.2 Pyrrhotite Zone
- 92.7-93.3 Pyrrhotite Zone
- 93.7-94.2 Pyrite Zone
- 98.5-99.1 Pyrrhotite zone

106.6 m End of the Hole

HOLE MC08-02

0-2 m Casing
2-51.7 Peridotite Massive Flow? (top part adcumulate grading to mesocumulate)
- 7-17.6 fine pyrrhotite (0.5-1%) interstitial.
- 21.3-32.5 fine pyrrhotite(0.5-1%) interstitial.
- 49-51.7 0.5-1.5% brassy Fg-Mg pyrite interstitial to olivine cumulate. Mud gouge fault at contact.

51.7-67.5 Komatiitic Basalt
Green carbonate alteration from 51.7 to 53 m. Pyritic sections with graphite argillite material at 54.8-55.2 and 65.6-66.5 m.
67.5-80.8 Graphitic Argillite/ Komatiitic Basalt (mixed unit)
Pyrite disseminations to ovoids concentrated (5-8%) in the graphitic argillite sections and 1-3% very finely disseminated pyrite in the basalt.
80.8-82 Graphitic Argillite/Greywacke (bedded)
82 m End of the Hole

HOLE MC08-03

0-1.5 m Casing
1.5-70 Peridotite Massive Flow? (mesocumulate grading to adcumulate)
46-49.5 fine pyrrhotite(0.5-1%) interstitial.
49.5-64.4 1-2% fine pyrrhotite and trace pentlandite interstitial.
64.4-66.4 7-8% fine pyrrhotite interstitial (not quite net textured) and trace pentlandite.
66.4-70 2-5% fine pyrrhotite interstitial.
70-91.6 Serpentinized Peridotite mesocumulate
91-91.6 0.5% brassy Fg-pyrite interstitial
91.6-106.7 Komatiitic Basalt with a few black graphite argillite bands (5 cm).
91.6-92.2 green carbonate alteration.
106.7-139 Sulphidic Graphitic Argillite/ Komatiitic Basalt (mixed unit)
139-141.85 Greywacke (well laminated)
141.85-145 Serpentinized Komatiitic Basalt
145-147.6 Graphitic Argillite (5% sulphides overall)
147.6-184 Serpentinized Komatiitic Basalt
184-202 Peridotite(mesocumulate)
202 m End of the Hole

HOLE MC08-04

0-5 m Casing
5-68.1 Peridotite Massive Flow? (mesocumulate)
66.5-68.1 fine pyrrhotite (trace to 0.5%) interstitial.
68.1-120.8 Serpentinized Peridotite (meso to orthocumulate)
Scattered disseminated pyrite sections from 68.1 to 100.5 m. Green carbonate zones with quartz veinlets at 78.4-79.3 and 82.25-82.85 m.
120.8-123.8 Graphitic Argillite
The upper portion (to 122.5 m) has 2-3% pyrite disseminations and 12-15% pyrite wispy laminations below 123 m.
123.8-202 Komatiitic Basalt
202 m End of the Hole

HOLE MC08-05

0-101.9 Peridotite Massive Flow? (adcumulate)
44.8-48.6 1-3% fine pyrrhotite interstitial disseminations
55.5-69 1-2% fine pyrrhotite interstitial disseminations

89.4-101.9 2-4% fine pyrrhotite interstitial disseminations to very fine cusps
101.9-125.5 Peridotite Massive Flow? (mesocumulate)
102.4-108.8 1% fine pyrrhotite interstitial disseminations.
108.8-110 5% Vfg dull brown pyrrhotite disseminations to local diffuse patches.
125.5-129.05 Serpentinized Peridotite (mesocumulate)
129.05-186 Komatiitic Basalt
186 m End of the Hole

The drill hole location map and drill hole sections are found in the map pocket at the back of this report. The drill core is currently stored at the Hastings Management office/core facility on Moneta Avenue, in Timmins, Ontario. It will likely be moved after the 2008-2009 winter season.

Sulphide mineralization encountered in the drill holes was sampled using a core saw and sent for analysis to Laboratoire Expert Inc. in Rouyn-Noranda, Quebec. The following elements were analyzed: Au, Pt, Pd, Cu, Ni and Co by aqua regia digestion with atomic absorption finish. A rigorous quality assurance program was employed which included the insertion of standards and blanks. This quality assurance program is now a standard exploration practice in the Canadian exploration business. The blank sample numbers are 63875, 63900, 63950, 63975,142375, 142425, 142450, and 142475. The blank samples returned nil to extremely low values of the elements analyzed. Two nickel standard samples (63925 and 64000) and one gold standard sample (142400) were inserted.

Table 4.2 Sample Standards

Sample No.	Std Type	Ni % value	Cu ppm	Au g/tonne
63925	Nickel 113	1.24	2500	
64000	Nickel 115	1.90	1700	
142400	Gold			2.21

The nickel, copper and gold values recorded by Laboratoire Expert Inc., on the standards are within a 15% variance from the true sample standard values and are thus acceptable. Their analytical results for the Bridgeport core can therefore be considered to be accurate.

Complete analytical results for the core sampling are listed on the certificate of analysis in Appendix C.

Borehole electromagnetic surveys were conducted on drill holes MC08-3 to MC08-5 by Quantec Geophysics Inc. of Timmins Ontario. As a result of the BQ core size and the friability of the graphitic argillite units, hole MC08-3 was only tested down to 110 m and MC08-4 was only tested down to 140 m. Steel dummy probes – and thankfully not the real probes - are stuck in both the holes at about those distances downhole. The results of the borehole electromagnetic surveys are summarized in a report by Woody Coulson of Quantec and attached hereto as Appendix D.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The 2008 diamond drilling program on the McCart Property of Bridgeport Ventures Inc successfully intersected nickel sulphide bearing peridotites. These peridotites constitute a thick sequence which overlies komatiitic basalts. It appears that the peridotites may represent a massive flow unit due to presence of olivine adcumulate and mesocumulate textures although no distinctive spinifex or flow top breccia textures were observed. The peridotites are strongly carbonatized and serpentinized above the komatiitic basalts. No pyroxenitic phase was intersected as suggested by previous geological mapping reports.

A graphitic argillite unit occurred at the peridotite-komatiitic basalt contact in holes 1 and 4 while in holes 2 and 3 the unit occurs further into the basalts. This graphitic argillite unit is heavily sulphidized and may be the sulphide source for the sulphide mineralization within the overlying peridotites. The peridotite-komatiiitic basalt contact is shallowly dipping at about 20 degrees to the northwest (see Section 3). Bedding core axis angles within mixed graphite argillite-greywacke and komattitic basalts support this flat lying stratigraphic orientation.

One hole MC08-2 managed to completely transect the komatiitic basalt sequence and enter the southeastern peridotite sequence at the bottom of the hole. No sulphide mineralization was observed at this lower basalt contact and in the southeastern peridotite.

Sulphide mineralization, consisting of disseminated to weak net texture pyrrhotite (0.5% to 8%) with trace pentlandite, occurs interstitially between the olivine cumulate in the peridotites. Nickel values in the sulphide bearing sections were only slightly anomalous (1,000-2,100 ppm) above peridotite background (500-1,000 ppm). Two anomalous nickel mineralized sections were interested namely 0.35% Ni over 1 m (60-61 m) and 0.31% Ni over 1 m (107-108 m) in hole MC08-5.

The sulphide zones within the komatiitic basalts in hole MC08-01, the sulphide bearing portions of the komatiitic basalts and the sulphidic graphite argillite units did not intersected significant metallic mineralization (Au, Pt, Pd, Cu, Ni, and Co). The sulphidic argillite units intersected in holes 1 to 4 are in fact depleted in nickel with very low values of 35-120ppm Ni.

The presence of nickel mineralization within the peridotites, the interstitial nature of the sulphide mineralization in the peridotites, and the presence of footwall sulphidic graphitic argillite units that might have acted as sulphur sources are modestly encouraging for further nickel exploration on the property. The McCart Property has a 4.2 km long peridotite-basalt contact present on it and only a small strike length of 300 m was drill tested in 2008. Previous geological mapping has noted sulphide mineralization within the peridotites at the contact area in other portions of the property. Furthermore, any sudden directional change of the peridotite-basalt contact could represent a basal trap embayment for komatiite-hosted nickel mineralization.

Results of this limited initial drill program are deemed sufficiently encouraging however that additional exploration work is recommended on the Bridgeport property. This should include a rock geochemical analysis program on the 2008 drill core focusing on the peridotites, a state-of-the-art ground electromagnetic survey concentrating on the peridotite portions of the property

and trenching in select locations along the peridotite-basaltic komatiite contact. The rock geochemistry program would search for geochemical signatures associated with Kambalda-type komatiite-hosted NiS deposits and geochemical indicators of proximity to nickel mineralization.

REFERENCES

Baker
1917: Ontario Bureau of Mines, Volume 26 p 270-271.

Coulson, S. T.
2008: Geophysical Survey Interpretation Report; Regarding the BOREHOLE TRANSIENT ELECTROMAGNETIC SURVEYS over the McCART TWP. PROJECT, near Iroquois Falls, ON, on behalf of MPH CONSULTING LTD. Toronto, ON.

Cunnison K. M.
1991: Report on Geological Survey McCart Township Property Porcupine Mining Division, Ontario.

Cunnison K. M. and Pyke, D. R.
1993 OPAP-1992 Geological report McCart Township Property and Area.

Ontario Geological Survey
1988: Airborne Electromagnetic and Magnetic Survey, Timmins Area, McCart Township, Map 81058, scale 1:20,000.

Pyke, D. R., Ayres, L. D. and Innes, D. G.
1973: Timmins-Kirkland Lake Sheet; Ontario Division of Mines, Geological Compilation Series, Map 2205, scale 1"- 4 miles.

Pyke,D.R.
1993; Geological Report McCart Township Property, N1/2, Lot 6, Concession 5 McCart Township Porcupine Mining Division, Ontario.

Satterly, J.
1953: McCart Township; Ontario Department Mines, Preliminary Map P16, scale 1" to 1/4 miles.

Truss, T.
1951: A report of the activities of the prospect of the Arrow Timber Company in McCart Township, District of Cochrane. Ontario.

CERTIFICATE OF QUALIFICATION

I, J. Kevin Montgomery, of the City of Timmins, Province of Ontario, do hereby certify that:

(1) I am a professional Consulting Geologist, residing at 1190 Lozanne Crescent, Timmins Ontario, P4P 1E8.

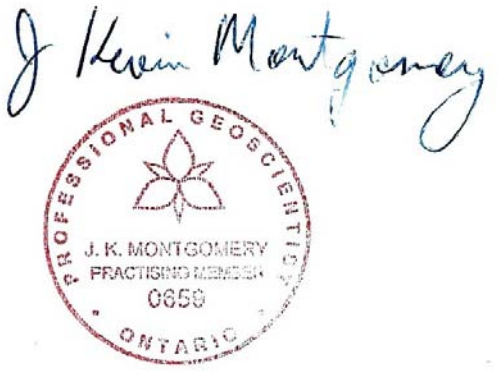
(2) I hold a B.Sc. Honours degree in Geological Sciences (1984) from Queen's University of Kingston, Ontario and a M.Sc.(App.) in Mineral Exploration (1987) from McGill University at Montreal, Quebec.

(3) I am a registered professional geoscientist with the Association of Professional Geoscientists of Ontario. I am also a member of the Prospectors and Developers Association of Canada, and the Porcupine Prospectors and Developers Association.

(4) This report is based on my supervision diamond drilling and logging of drill holes on the McCart Property in 2008.

(5) I have no personal interest in the property covered by this report.

(6) Permission is granted for the use of this report, in whole or in part, for assessment and qualification requirements but not for advertising purposes.



Dated at Timmins, Ontario
This 30th day of December, 2008.

J. Kevin Montgomery, P.Geo., M.Sc. (App.)

APPENDIX A
DRILL HOLE LOGS

APPENDIX B
DRILL HOLE RQD MEASUREMENTS

APPENDIX C
ASSAY CERTIFICATES

APPENDIX D
BOREHOLE TRANSIENT ELECTROMAGNETIC SURVEY REPORT
BY QUANTEC GEOSCIENCE LTD

HOLE: MC08-5
COMPANY: Bridgeport Ventures Inc.
PROPERTY: McCart
LOCATION: McCart Township, Ontario CLAIM: 4243370
GPS LOCATION: NAD 83 UTM Zone 17 508888E, 5402637N
OBJECTIVE: undercut the perridotite stratigraphy in hole 3.
DRILLERS: Salo Drilling DRILLING DATE: Dec 19-27, 2009
LOGGED BY: Kevin Montgomery PGeo.

Core Size: BQ
Collar Azimuth: 140
Collar Dip: -50
Hole Length: 185 m

Depth	Dip	Azimuth
100	-51	140
	Acid Test	

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
0	101.9	Peridotite	Dark blackish green , VFg, magnetic, homogeneous	142402	10	11	1	<5	1670	87	107
			peridotite adcumulate. It consists of 95-97% tightly	142403	11	12	1	6	1609	91	94
			packed serpentinized olivine cumulate (dunite). It is	142404	12	13	1	6	1787	76	102
			cut by 0.5-1 % light green fiberous serpentine filled	142405	13	14	1	7	2075	70	119
			fractures.								
			MIN: Trace to locally 0.5% pyrrhotite at 4.4, 7,8,10.5,	142406	23	24	1	34	1503	99	90
			11.8,13,15.1,23.7,24.1,25.4,and 25.7 m.	142407	24	25	1	<5	1858	119	106
			14.5-16 Blocky core RQD-0	142408	25	26	1	<5	1690	116	98
			35.2-44.8 ALTERATION: Blotchy pistachio green								
			intense serpentinization.	142409	33	34.3	1.3	<5	1100	95	59
			33-34.3 MIN: 0.5% dull brown VFg interstitial	142410	34.3	35.2	0.9	<5	1449	105	75
			pyrrhotite dissemination.								
			34.8-35.2 MIN: 0.5-1%, Same as above.	142411	44	44.8	0.8	7	1130	110	80
			37.7-38.7 Blocky core RQD-0	142412	44.8	45.6	0.8	<5	1057	88	97
			44.8-45.6 MIN: 1% VFg dull brown pyrrhotite	142413	45.6	46.1	0.5	8	1443	134	123
			interstitial disseminations.	142414	46.1	47	0.9	<5	1483	216	120
			45.6-46.1 MIN: 2-3%, Same as above.	142415	47	48	1	26	1143	139	108
			46.1-47 MIN: 2%, Same as above.	142416	48	48.6	0.6	<5	1427	132	132
			47-48 MIN: 2-3%, Same as above.	142417	48.6	49.8	1.2	32	1335	148	117
			48-48.6 MIN: 1%, Same as above.	142418	49.8	51	1.2	8	2068	172	132
			48.6-51 MIN: 0.5%, Same as above.	142419	51	52.25	1.25	8	1836	108	104
			53-55.5 MIN: 0.5% VFg brown pyrrhotite disseminations.	142420	52.25	53.5	1.25	<5	1723	120	105
			54.35-54.45 White soft serpentine talc vein, 40 to CA.	142421	53.5	54.5	1	37	963	121	86
			54.53-54.58 Same as above, 35 to CA.	142422	54.5	55.5	1	<5	1507	155	135
			55.5-57.3 MIN: 1-2%, VFg brown pyrrhotite interstitial	142423	55.5	56.5	1	7	1797	144	128
			disseminations.	142424	56.5	57.3	0.8	26	1794	116	153
			60-61.5 MIN: 1% , Same as above.	142425	57.3	57.3	BLANK	<5	38	85	15
			61.5-66 MIN: 2%, Same as above, locally 3%.	142426	57.3	58.7	1.4	<5	1413	121	103

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			66-69 MIN: 1% , Same as above.	142427	58.7	60	1.3	6	1392	130	123
			69-71 MIN: 0.5%, Same as above.	142428	60	61	1	9	1470	120	97
			71-75.3 ALTERATION: Moderately intense pervasive	142429	61	62	1	22	3540	122	132
			talc carbonatization causing grey bleaching of section.	142430	62	63	1	<5	1617	111	128
			72-73 MIN: 0.5-1%, VFg brown dull pyrrhotite	142431	63	64	1	<5	1457	124	113
			interstitial disseminations.	142432	64	65	1	<5	1550	162	103
			75.3-77 MIN: 0.5% to trace, Same as above.	142433	65	66	1	<5	1933	107	145
			77-78 MIN: 1%, Same as above.	142434	66	67	1	<5	1602	171	131
			78-79 MIN: 0.5-1%, Same as above	142435	67	68	1	<5	1791	165	127
			82-87 MIN: 0.5-1%, Same as above.	142436	68	69	1	<5	1978	157	123
			85.65-88.2 ALTERATION: Blotchy green moderately	142437	69	70	1	11	1493	116	90
			intense serpentinization that appears to be halos about	142438	70	71	1	5	1768	105	84
			white carbonate-serpentine filled fractures.	142439	71	72	1	11	1069	74	70
			88.2-89.4 MIN: 0.5%, dull brown VFg pyrrhotite	142440	72	73	1	8	1203	78	81
			disseminations.	142441	73	74	1	<5	669	68	74
			89.4-93 MIN: 2% dull brown to brassy VFg	142442	74	75	1	7	1346	84	83
			pyrrhotite- pentlanidite interstial disseminations to fine.	142443	75	76	1	10	1039	68	75
			cusps about olivine cumulate. Locally 1%.	142444	76	77	1	<5	1179	83	96
			93-95.2 MIN: 4% brassyVFg pentlandite-pyrrhotite	142445	77	78	1	10	1466	133	112
			style, Same as above.	142446	78	79	1	<5	1803	99	127
			95.2-95.6 White carbonate alteration patch with minor	142447	79	80	1	7	1226	94	103
			serpentinization.	142448	88.5	89.4	0.9	<5	987	98	85
			95.6-96 MIN: 1% brassy- brown pyrrhotite-pentlandite	142449	89.4	90	0.6	<5	680	115	75
			disseminations.	142450	90	90	0	<5	34	78	14
			96-97.5 MIN: 4% , Same as 93-95.2 m.	142451	90	91	1	<5	822	102	87
			97.5-101.9 MIN: 2%, Same as 89.4-93 m.	142452	91	92	1	<5	855	95	78
			Lower contact gradational.	142453	92	93	1	15	1273	134	101
				142454	93	94.1	1.1	14	1631	132	117
101.9	125.5	Peridotite	Grey to light grey, VFg-Fg, magnetic, soft peridotite	142455	94.1	95.2	1.1	<5	924	92	76
			mesocumulate unit. The unit is iniially VFg with 10-12%	142456	95.2	96	0.8	7	834	69	57
			fine white interstitial matrix down to105.3 m. Below this	142457	96	96.75	0.75	6	1345	124	100
			it is Fg with more white carbonate matrix 15-20%	142458	96.75	97.5	0.75	5	1159	114	102
			causing a white speckled appearance to the unit.	142459	97.5	98.6	1.1	5	1132	103	88
			The mesocumulate peridotite is cut by 3% white	142460	98.6	99.7	1.1	7	1639	113	108
			carbonate serpentine veinlets/fractures locally up to 5%.	142461	99.7	100.8	1.1	5	1599	111	113
			ALTERATION: Weak to moderate pervasive talc-	142462	100.8	101.9	1.1	6	1756	155	114

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			carbonate.	142463	101.9	103	1.1	12	691	191	65
			101.9-102.4 Light greenish white bleached intensely	142464	103	104	1	7	1071	159	94
			serpentine carbonate altered section. It has a felt like	142465	104	105	1	11	983	93	74
			texture locally suggesting the possibly spinifex texture.	142466	105	106	1	15	997	106	80
			Also green aphanitic serpentine specks (relic olivine	142467	106	107	1	15	935	96	80
			cumulate) producing an orthocumulate texture.	142468	107	108	1	6	3120	159	124
			102.4-108 MIN: 1% VFg brassy - brown finely	142469	108	108.8	0.8	<5	496	121	56
			disseminated pyrrhotite interstitial between olivine	142470	108.8	110	1.2	5	564	179	78
			cumulate.	142471	110	111	1	6	490	100	59
			108-108.12 White VFg carbonate vein with green	142472	111	111.7	0.7	<5	678	90	73
			serpentine stringers, contacts 30 to CA.	142473	111.7	112.4	0.7	<5	863	126	92
			108.8-110 MIN: 5% VFg dull brown pyrrhotite	142474	112.4	113.5	1.1	<5	807	76	84
			disseminations to diffuse pathes.	142475	113.5	113.5	BLANK	<5	37	79	13
			111.7-112.4 white carbonate veinlet to fracture flooded section (10-15%) with local dull brown VFg pyrrhotite wispy lenses and chalcopyrite specks.								
			117-120 50% core loss due to drillers grinding core.								
			124.95-125.5 MIN: 1% brassy cubic Fg pyrite disseminations at the lower contact margin, weak serpentinization.								
			Lower contact gradational.	142476	124	125	1	6	359	105	54
				142477	125	125.5	0.5	5	393	108	65
125.5	129.05	Serpentinized Peridotite	Light green, VFg-Fg, serpentinized mesocumulate peridotite. Essentially it is the above peridotite altered at the contact with the komatitic basalt .	142478	125.5	126.5	1	<5	256	107	53
			ALTERATION: Intense pervasive serpentinization and weak to moderate talc-carbonate.								
			MIN: Nil sulphides.								
			Lower Contact 40 to CA.								
129.05	185	Komatitic Basalt	Grey to light green, non-magnetic, massive, VFg-Fg, moderately hard, homogeneous komatiitic basalt. The unit fades from light green (weak serpentinization) to light grey (weak carbonatization). The upper part (down to 138m) is cut by 2-3% white irregular calcite stringers to fractures. Otherwise 0.5%- trace amounts.								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			ALTERATION: moderate pervasive calcite throughout. MIN: Locally trace VFg disseminated pyrite. 129.05-129.9 Weakly sheared section 40 to CA. with 0.5% VFg-Fg pyrite dissemination and trace pyrrhotite. 129.9-130 Grey to white quartz patch with irregular contacts. 143.25-143.4 Grey quartz calcite vein with upper contact 50 to CA and lower contact 30 to CA. 145.5-147.5 Several irregular chlorite-calcite filled fractures at 0 to CA causing poor RQD. 153-156 Moderately fractured section with poor RQD (40) fractures mostly 30-40 to CA but one 0 to CA like 145.5-147.5 m. 158.7-159.2 four quartz veins (2-4cm), 55 to CA. 160.9-161 Quartz vein. 177.1-177.25 Sugary white quartz vein. Upper contact 30 to CA and Lower contact 20 to CA.								
	185	EOH	End of the hole.								

HOLE: MC08-04
COMPANY: Bridgeport Ventures Inc.
PROPERTY: McCart
LOCATION: McCart Township, Ontario CLAIM: 4243370
GPS LOCATION: NAD 83 UTM Zone 17 509028E, 5402630N
OBJECTIVE: Test the Peridotite/basalt contact for nickle mineralization
DRILLERS: Salo Drilling DRILLING DATE: Dec 13-18, 2009
LOGGED BY: Kevin Montgomery P.Geo.

Core Size: BQ
Collar Azimuth: 140
Collar Dip: - 50
Hole Length: 202 m

Depth	Dip	Azimuth
202	-49	140
ACID	TEST	

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
0	4.8	Overburden	Casing left in the hole.								
4.8	68.1	Peridotite	Green, Fg, massive, magnetic, mesocumulate peridotite(flow or intrusive). It consists of 65-70% green serpentinized olivine cumulate grains in partial contact and within a white aphanitic matrix. It is cut by 1% fine serpentine-carbonate filled fractures (1-3 mm) randomly oriented. SAME AS HOLE MC08-3. MIN: Nil to very local trace sulphides, STRUCTURE: Upper 20m, moderate to strongly fractured. (RQD 35-60). Below 20m weakly fractured. 6-8 Strong fracturing, some fractures with iron oxidization on fractures. 18-19 Strong fracturing, 80% core loss 13-13.6 m and 20.8-22 3% white fine (1-3mm) serpentine-carbonate filled fractures 50 to CA. 25-28 Low angle to CA scattered grey- white serpentine carbonate fractures (3mm). 32.3 Irregular white serpentine-carbonate filled fracture (up to 1cm wide) at low angle to CA.								
			33.8-34.15 ALTERATION: Greyish white bleached pervasive tremolite-carbonate.	142364	47	48	1	5	1284	81	79
				142365	48	48.5	0.5	12	1529	70	88
			47.8-48.05 Same as above with two iron oxide patches about fractures.	142366	48.5	49	0.5	8	1470	64	80
				142367	49	49.5	0.5	<5	1440	78	79
			48.1 MIN: 1% brassy to brown VFg interstitial pyrrhotite.	142368	49.5	50	0.5	6	1506	72	83
				142369	50	51	1	5	1440	76	79
			49.65 Same as above.								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			66.5-68.1 MIN: 0.5-1% VFg brown with brassy specks	142370	65.5	66.5	1	<5	1029	80	78
			interstitial pyrrhotite disseminations.	142371	66.5	67	0.5	<5	1651	186	108
			Lower Contact of unit gradational.	142372	67	68.1	1.1	39	1300	183	109
68.1	120.8	Serpentinized Peridotite	Green to light green, Fg, homogeneous, non-magnetic soft massive serpentized mesocumulate to orthocumulate perridotite. It consists of 50-60% light green to dark green serpentine grains (olivine relics) within a white aphanitic carbonate-serpentine matrix. The unit is cut by 1% very fine white carbonate - serpentine filled fractures and local bull white quartz veinlets (1-3cm). Below 79.3 m, higher concentration 1-3% white carbonate- serpentine veinlets/ fractures. SAME AS HOLE MC08-3. ALTERATION: Moderately pervasive talc-carbonate-serpentine alteration. Local sections of intense white bleached alteration at 70-70.6 m and 72-72.35 m.								
			68.1-69.5 m MIN: 1% VFg brassy pyrite interstitial	142373	68.1	69	0.9	<5	1538	309	130
			disseminations. Section contains 1% mustard yellow	142374	69	69.5	0.5	<5	1306	187	106
			specks.	142375	69.5	69.5	BLANK	<5	39	88	16
			69.5-70 Same as above, 0.5% sulphides.	142376	69.5	70	0.5	<5	859	100	72
			70-78.4 1% mustard yellow specks throughout.	142377	70	71	1	5	991	130	92
			72.27-72.35 white carbonate-serpentine vein, 45 to CA.	142378	71	72.35	1.35	5	812	121	73
			72.35-74.5 MIN: 1% VFg brown to brassy interstitial	142379	72.35	73.5	1.15	<5	1523	172	102
			pyrrhotite-pyrite? Disseminations in greyish black	142380	73.5	74.5	1	<5	1230	162	87
			(less altered) peridotite section.	142381	74.5	75.5	1	<5	593	158	69
			74.5-78.4 MIN: 0.5%, same as 68.1-69.5 m.	142382	77.5	78.4	0.9	<5	760	100	78
			75.8-76 60% white carbonate serpentine vein flooding.	142383	78.4	79.3	0.9	<5	810	124	66
			78.4-79.3 ALTERATION: Green carbonate moderately	142384	79.3	80.3	1	<5	932	122	90
			pervasive section with 40% white quartz- carbonate vein	142479	80.3	81.3	1	78	730	137	79
			flooding. Trace pyrrhotite.	142480	81.3	82.25	0.95	5	735	159	80
			79.3-82.5 MIN: 0.5%, same as 68.1-69.3 m.	142385	82.25	82.85	0.6	<5	610	121	65
			82.25-82.85 ALTERATION: Same as 78.4-78.3 m.	142481	82.85	83.4	0.55	<5	823	107	82
			25-30% quartz-carbonate vein flooding.								
			82.85-100.5 MIN: 0.5%, same as 68.1-69.3 m.	142386	90	91	1	<5	679	135	93
			83.4-103 Dark green spotted 2% dark green serpentine	142387	91	92	1	<5	698	128	84
			clots (3mm diameter).	142388	92	93	1	<5	726	119	96

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			86.9-87.5 Section of 75% white carbonate-quartz	142389	93	94	1	<5	523	127	73
			diffuse veining /fractures.	142390	94	95	1	<5	537	115	78
			97.6-97.8 White carbonate-serpentine vein, 55 to CA.								
			100.6-100.75 Same as above, but with dark green serpentine small blocks (2x3cm) vein, contacts 30 to CA.								
			102.3-102.75 ALTERATION: Light grey bleached section of intense carbonate alteration about quartz-carbonate diffuse vein.								
			103-112.5 Peridotite- dark green less serpentinized.								
			108-114m MIN: Trace, Same as 68.1-69.3m.								
			112.5-112.65 ALTERATION: Moderate pervasive green carbonatization about grey quartz veinlet (3mm) 20 to CA.								
			114.95-115 Same as above, veinlet 70 to CA.								
			117.5-117.6 Same as above, veinlet 75 to CA.								
			119.0-120.8 MIN: Trace Fg disseminated pyrite.	142391	119	120	1	<5	531	135	77
			Lower contact of unit ragged but sharp 40 to CA.	142392	120	120.8	0.8	<5	497	400	81
120.8	123.8	Graphitic Argillite	Black, VFg, weakly bedded, graphite argillite.								
			MIN: The upper portion to 122.5 m 2-3% VFg brassy	142393	120.8	121.8	1	268	96	83	24
			pyrite disseminations to local laminations (up to 3mm).	142394	121.8	122.5	0.7	5	16	32	9
			Below 123 m, 12-15% VFg dull brassy pyrite wispy	142395	122.5	123	0.5	35	30	25	13
			laminations to wisps.	142396	123	123.8	0.8	117	48	144	27
			STRUCTURE: Weak bedding 80 to CA at 121.1 m, 75 to CA at 122.3 m and 45 to CA at 123.7 m.								
			122.5-122.84 White quartz-calcite vein 70 to CA.								
			122.95-123 Same as above, 80 to CA.								
			Local contact sharp 60 to CA.								
123.8	202	Komatiitic Basalt	Light grey to grey, VFg, moderate, soft, non-magnetic homogeneous textured komatiitic basalt.								
			SAME AS HOLE MC08-3.								
			STRUCTURE: Homogeneously massive. The unit is cut by 1% fine white quartz- calcite filled fractures to veinlets down to 141 m.								
			ALTERATION: weak to moderate pervasive calcite down to 150.5 m. Then 150.5 m weak to moderate pervasive								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			silicification to 195.1 m.								
			172.12-172.2 Bull white VFg quartz vein, 30 to CA.								
			123.8-126.5 MIN: 0.5% Fg brassy pyrite disseminations,								
			1% from 126.2-126.5 m where 20% quartz flooding in fractures.								
			173.6-173.7 Same as above, serpentine seam (3-5mm)	142397	123.8	125	1.2	11	43	115	37
			at 30 to CA in vein. Both vein contacts very ragged and	142398	125	126.2	1.2	<5	38	146	39
			about 80 to CA.	142399	126.2	126.7	0.5	7	47	537	55
			173.9-173.96 Same as above, Upper Contact 85 to CA,	142400	126.7	126.7	Au STD	2540	67	433	342
			Lower contact 75 to CA.	142401	126.7	127.5	0.8	6	39	140	48
			165-168.6 ALTERATION: Weak chloritization imparting								
			green tinge to section. Moderate pervasive calcite.								
			184.03-184.3 Green, VFg, chloritic, weakly foliated flow								
			selvage zone? Moderate pervasive calcite foliation 25 to								
			CA. Zone contacts 25 to CA.								
			195.1-202 ALTERATION: Moderate pervasive calcite								
			throughout.								
			195.1-196.14 0.5-1% white calcite filled amygdules.								
			196.14-202 ALTERATION: Green weak to moderate								
			pervasive chloritization along with calcite.								
			199-202 Crackle brecciated volcanic section. It consists								
			of 5-7% irregular very fine (< 1mm) black chlorite filled								
			microfractures causing a weak brecciation. This may be								
			the base of a flow unit. Therefore flow tops may be								
			downhole with the flow contact at 196.14m.								
	202		End of the hole.								

HOLE: MC08-3
COMPANY: Bridgeport Ventures Inc.
PROPERTY: McCart
LOCATION: McCart Township, Ontario CLAIM: 4243370
GPS LOCATION: NAD 83 UTM Zone 17 5402544N, 508953E
OBJECTIVE: Test the Peridotite/basalt contact for nickle mineralization
DRILLERS: Salo Drilling DRILLING DATE: Dec 6-12, 2009.
LOGGED BY: Kevin Montgomery P.Geo.
COMMENTS: Two BHTEM dummy probes stuck at 130 m.

Core Size: BQ
Collar Azimuth: 140
Collar Dip: - 50
Hole Length: 202 m

Depth	Dip	Azimuth
202	-46	140
ACID	TEST	

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	% SUL			
0	1.5	Overburden	Casing left in the hole.	63928	35	36	1	6	1822	150	98
				63929	36	37	1	46	1362	74	86
1.5	70	Peridotite	Green, Fg, massive, magnetic, mesocumulate	63930	37	38	1	24	1589	88	88
			peridotite (flow or intrusive). It consists of 65-70% green	63931	38	39	1	6	1344	97	86
			serpentinized olivine cumulate grains in partial contact &	63932	39	40	1	<5	1717	128	93
			within a white aphanitic matrix. It is cut by 1% fine	63933	40	41	1	<5	1675	145	86
			serpentine-carbonate filled fractures (1-3 mm) randomly	63934	41	42	1	<5	965	170	77
			oriented.	63935	42	43	1	<5	1594	178	116
			35-46 MIN: locally trace to 0.5% of VFg brown	63936	43	44	1	<5	1404	129	94
			pyrrhotite disseminations interstitial to olivine cumulate.	63937	44	45	1	<5	1003	133	80
			46-49.5 MIN:0.5% VFg dull brown to brassy pyrrhotite	63938	45	46	1	<5	1166	161	88
			interstitial disseminations. Locally 1%.	63939	46	47	1	<5	1143	191	86
			49.5-64.4 MIN: 1-2% , Same as above- very locally 3%.	63940	47	48	1	<5	1279	115	88
			64.4-66.4 MIN: 7-8% VFg brown pyrrhotite and trace	63941	48	49	1	<5	1284	84	83
			brassy pentlandite disseminations to fine cusps about	63942	49	49.5	0.5	<5	1340	89	82
			olivine cumulate grains.	63943	49.5	50.5	1	<5	925	121	72
			66.4-68.5 MIN: 5%, Same as above.	63944	50.5	51.5	1	<5	690	139	63
			64.03-64.1 white VFg serpentine-carbonate vein 40 toCA	63945	51.5	52.5	1	<5	863	126	68
			with 2% VFg dull brown pyrrhotite.	63946	52.5	53.5	1	<5	901	147	68
			68.5-70 MIN: 5%, Same as above, trace chalcopyrite	63947	53.5	54.5	1	6	874	163	77
			specks at contact area.	63948	54.5	55.5	1	5	849	154	78
			Lower contact of unit gradational.	63949	55.5	56.5	1	<5	815	139	77
				63950	56.5	56.5	BLANK	<5	19	84	13
70	91.6	Serpentinized Peridotite	Green to light green, Fg, homogeneous, non-magnetic	63951	56.5	57.5	1	<5	1066	136	95
			soft massive serpentized mesocumulate to orthocumulate	63952	57.5	58.5	1	<5	916	117	84
			peridotite. It consists of 50-60% light green to dark green	63953	58.5	59.5	1	<5	972	127	101
			serpentine grains (olivine relics) within a white aphanitic	63954	59.5	60.5	1	<5	1220	148	114
			carbonate-serpentine matrix. The unit is cut by 1% very	63955	60.5	61.5	1	8	1444	170	128

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	% SUL			
			fine white carbonate-serpentine filled fractures and local	63956	61.5	62.5	1	26	1128	131	105
			bull white quartz veinlets (1-3cm).	63957	62.5	63.5	1	5	1679	197	135
			ALTERATION: Moderate intense pervasive talc and	63958	63.5	64.4	0.9	9	1891	290	144
			serpentine alteration.	63959	64.4	65.4	1	5	2070	341	166
			70-70.4 MIN: 3% brassy Fg pyrite disseminations.	63960	65.4	66.4	1	7	2057	358	160
			70-73.6 Light green VFg-Fg section with 1-2% mustard	63961	66.4	67.4	1	<5	1644	280	149
			yellow carbonate specks.Locally 0.5% pyrite below 70.4	63962	67.4	68.5	1.1	6	1712	312	162
			70.32-70.38 White speckled dark green possible spinifex	63963	68.5	69.5	1	6	1752	393	179
			vein 25 to CA.	63964	69.5	70	0.5	<5	1857	413	180
			70.85-71.4 ALTERATION: Moderate pervasive green	63965	70	70.85	0.85	<5	1339	344	147
			carbonatization with fine (3-10 mm thick) quartz filled	63966	70.85	71.5	0.65	13	1469	396	138
			fractures/veinlets. Some trace arsenopyrite specks in	63967	71.5	72.5	1	<5	1125	297	128
			veinlets.								
			73.6-82 darker green, Fg, section.								
			82-85 Same as 70-73.6 m.								
			82.17-82.48 ALTERATION: Same as 70.85-71.4 m,about								
			white quartz veinlet 45 to CA at 82.3 m.								
		:	83.42-83.5 ALTERATION: Same as 70.85-71.95 m to								
			about white quartz veinlet (1.5 cm), 47 to CA at 83.47 m.								
			85-88.4 Same as 73.6-82 m.								
			88.4-91.6 Same as 73.6-82 m.								
			Lower contact gradational.								
91.6	106.7	Komatiitic Basalt	Light grey to grey, VFg, moderate, soft, non-magnetic								
			homogeneous textured komatiitic basalt.								
			The unit is cut by rare calcite filled fine fractures.The upper								
			portion 91.6-92.25 m has moderate pervasive green	63968	91.6	92.25	0.65	11	461	125	67
			carbonate alteration.	63969	92.25	93.4	1.15	<5	51	66	17
			ALTERATION: Weak pervasive calcite.	63970	93.4	94.5	1.1	<5	66	133	42
			Graphite argillite bands with 3-5% finely disseminated								
			pyrite at 92.25-92.45 m, 93.27-93.32 m, 93.65-93.7 m,								
			and 94.98-95.02 m.								
			Lower contact sharp but ragged.	63971	105.5	106.7	1.2	<5	71	121	45
106.7	139	Graphitic Argillite/	This is a mixed unit comprised of grey Fg massive								
			homogeneous komatiitic basalt (Same as 91.6-106.7 m								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	% SUL			
		Komatiitic Basalt	but coarser) and black graphitic argillite bands to sections. The graphitic argillite is soft and makes up 50% of the unit. ALTERATION: Moderate pervasive calcite in KBa. 106.7-111.35 Black graphite argillite section with 20% grey VFg komatiite basalt bands(up to 30 cm core length). 3% white quartz irregular calcite stringers. MIN: 3-4% Fg-VFg brassy pyrite disseminations local laminations and 0.5-1% brown VFg pyrrhotite specks to disseminations. 108.6-108.9 MIN: 15-12% VFg brown magnetic pyrrhotite fine net texture and 3% brassy Fg-VFg pyrite diseminations. 108.9-109.15 Bull white VFg quartz vein with ragged irregular contacts. 109.15-109.45 MIN:15% brassy Fg pyrite disseminations to psuedolaminations. 111.35-112.57 Grey komatiitic basalt (KBa). MIN: 5-7% brassy Fg pyrite disseminations and local globs. 112.57-112.66 Black graphite argillite (SGA) contacts 65 to CA. MIN: 2-3% VFg brassy pyrite disseminations. 112.66-113.28 KBa MIN: 3-4% Fg brassy locally cubic pyrite disseminations. 113.28-113.35 SGA band, Contacts 80 to CA. 113.35-113.85 KBa MIN: Same as 112.66-113.28 m. 113.85-114 SGA. MIN: 4% Fg-VFg brassy pyrite disseminations to blobs(1 x 1.5cm size). Upper contact 70 to CA and lower contact ragged. 114-115.85 KBa MIN: 5% Fg brassy pyrite disseminations locally cubic. 115.85-116.05 SGA MIN: 2 % VFg brassy pyrite disseminations. Upper contact 70 to CA and Lower contact 65 to CA. 116.05-116.65 Same as 114-115.85 m. 116.65-117.1 SGA MIN: 5-7% brassy Fg-Vfg pyrite stringers. Upper contact 65 to CA and Lower contact 40 to CA.	63972	106.7	107.7	1	8	52	115	31
				63973	107.7	108.6	0.9	<5	114	202	60
				63974	108.6	109.5	0.9	5	78	505	35
				63975	109.5	109.5	0	<5	41	85	13
				63976	109.5	110.5	1	<5	119	145	30
				63977	110.5	111.5	1	5	176	327	61
				63978	111.5	112.6	1.1	5	210	178	40
				63979	112.6	113.85	1.25	<5	234	184	40
				63980	113.85	114.85	1	<5	227	178	49
				63981	114.85	115.85	1	<5	230	167	41
				63982	115.85	117.1	1.25	7	215	315	80
				63983	117.1	118	0.9	23	180	342	68

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	% SUL			
			117.1-117.3 KBa MIN: 2% Fg disseminated brassy pyrite.								
			117.3-118.7 SGA with 3% white quartz calcite stringers								
			to patches. MIN:2% brassy VFg-Fg pyrite disseminations								
			to local laminations and 2% brown VFg magnetic								
			pyrrhotite disseminations to fine stretched ovoids(1-3mm)								
			Upper contact 20 to CA and Lower contact 70 to CA.								
			118.7-124.5 Same as 114-115.85 m.								
			124.5-127.9 SGA with 5% white quartz calcite irregular								
			veins to stringers. MIN: 3-5% brassy Vfg-Fg pyrite stringers								
			and disseminations. 1% VFg dull brown pyrrhotite from	63984	118	118.7	0.7	5	132	306	61
			125.15-125.6 m. Contacts 20 to CA.	63985	118.7	119.5	0.8	<5	232	107	39
			127.9-128.55 KBa, MIN: 2% VFg-Fg brassy pyrite	63986	119.5	120.5	1	<5	233	152	45
			disseminations.	63987	120.5	121.5	1	<5	293	115	48
			128.55-133.05 SGA, 2-3% white quartz calcite wispy	63988	121.5	122.5	1	<5	258	99	47
			stringers (<1mm) to veinlets (3-5mm). MIN: 5% VFg-Fg	63989	122.5	123.5	1	<5	239	104	41
			brassy pyrite wispy stringers parallel to beddings and	63990	123.5	124.5	1	<5	235	109	46
			brown pyrrhotite stringers except from 132.1 to 132.6 m.	63991	124.5	125.7	1.2	<5	130	206	36
			Upper contact 45 to CA and lower contact gradational.	63992	125.7	126.8	1.1	<5	149	354	53
			Bedding 55 to CA at 131.9 m and 35 to CA at 132.8 m.	63993	126.8	127.9	1.1	<5	141	209	43
			132.1-132.6 MIN: Semi-massive brassy pyrite zone.	63994	127.9	128.55	0.65	<5	246	197	49
			(70%) with remainder black graphitic argillite material.	63995	128.55	129.5	0.95	<5	163	269	53
			133.05-136.65 KBa with fine graphite argillite laminations	63996	129.5	130.5	1	<5	139	199	55
			and crackle brecciated as a result of 5% white calcite	63997	130.5	131.5	1	5	61	183	27
			filled tension gashed to irregular fractures.	63998	131.5	132.1	0.6	6	37	99	18
			MIN: 1-2% Vfg-Fg brassy pyrite disseminations.	63999	132.1	132.6	0.5	77	31	133	18
			136.65-136.9 SGA, MIN: 5% brassy pyrite blobs and	64000	132.6	132.6	Ni STD	11	19800	1930	401
			disseminations. Upper contact 50 to CA and Lower								
			contact 75 to CA.	142351	132.6	133.05	0.45	6	26	52	13
			136.9-137.85 Same as 114-115.85 m.	142352	133.05	134	0.95	<5	50	80	20
			137.85-138.2 SGA, MIN: 3% VFg-Fg brassy pyrite	142353	134	135	1	10	51	31	16
			disseminations along bedding. Upper contact 80 to CA								
			and Lower contact 60 to CA.								
			138.2-139 KBa, MIN: 3% Fg-Mg cubic pyrite								
			disseminations. Lower contact of unit sharp 65 to CA.								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	% SUL			
139	141.85	Greywacke	Light grey, VFg, well laminated, non-magnetic,moderately hard greywacke sediment with fine (1-5mm) black argillite laminations/blebs. The greywacke contains 5-7% white fine feldspar phenocrysts. ALTERATION: Beige weak bleaching of pervasive iron carbonatization from 141-141.85 m. MIN: Nil except in SGA band at top of unit. Bedding 60 to CA at 140 m. 139-139.15 SGA MIN: 2% VFg-Fg brassy pyrite wispy laminations. Lower contact of SGA is 55 to CA. Lower contact of unit is 60 to CA.								
141.85	145	Serpentinized Basalt	Greenish grey, Fg, non-magnetic, soft, homogeneous, massive (non-bedded) serpentinized komatiitic basalt or peridotite. It consists of green serpentine grains (variable 30-65%) interlocked with white carbonate/flagioclase grains (35-60%). ALTERATION: Intense pervasive serpentinization, calcite and moderate talc-carbonate at lower contact. Lower contact sharp 55 to CA.	142354	144	145	1	<5	205	116	51
145	147.6	Graphitic Argillite	Black,VFg, bedded,homogeneous,moderately hard sulphidic graphitic argillite. It contains fine greywacke beds in the upper portion (down to 145.65). Two greenish grey serpentinized basalt sections are present at 145.65-145.8 and 145.95-146.0 5m. MIN: 5% sulphides overall predominately Fg brassy pyrite psuedo laminations, VFg ovoids and disseminations. Also, minor VFg brown pyrrhotite fine laminations and cores of pyrite ovoids. Bedding 55 to CA at 145.5 m. 146.8-147.4 MIN: 20-25% VFg-Fg brassy pyrite blobs and pseudo laminations and occassionally with pyrrhotite 147.15-147.4 30% white quartz- calcite ribbons parallel to bedding. Lower contact gradational.	142355	145	146	1	5	142	117	66
				142356	146	146.8	0.8	8	382	169	69
				142357	146.8	147.6	0.8	8	176	406	36

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	% SUL			
147.6	184	Serpentinized Komatiitic Basalt	Green, VFg, non-magnetic, hard, massive, homogeneous komatiitic basalt with pervasive serpentization. STRUCTURE: Massive very weakly fractured to non fractured. Local white quartz veins at 163.97 m 30 to CA (2.5 cm) 164.13 30 to CA (2cm), 170.7-176.86 25 to CA and 172.95 30 to CA (2 cm) hyaloclastite textures present from 150 to 151 m.								
			147.6-149.05 MIN: 2-3% brassy Fg-VFg pyrite	142358	147.6	148.6	1	13	171	113	46
			disseminations.	142359	148.6	149.05	0.45	11	161	100	45
			Lower contact gradational.	142360	149.05	150	0.95	<5	174	125	46
184	202	Peridotite	Green to blackish green, VFg-Fg, massive, magnetic, soft mesocumulate peridotite. It consists of 80-90% dark green serpentinized olivine cumulate grains in a white carbonate-talc matrix. The matrix content decreases down hole and the unit progress towards adcumulate. It is cut by 1% white talc-carbonate stringers/fractures. MIN: Nil sulphides till 201.3-202 m where trace VFg								
			brown pyrrhotite specks are visible.	142361	199	200	1	<5	603	80	69
			201-202 ALTERATION: Moderate talc carbonatization	142362	200	201	1	<5	638	82	72
			in the form of white stringers.	142363	201	202	1	7	495	75	62
	202	EOH	End of hole								

HOLE: MC08-2
COMPANY: Bridgeport Ventures Inc.
PROPERTY: McCart
LOCATION: McCart Township, Ontario CLAIM: 4243370
GPS LOCATION: NAD 83 UTM Zone 17 5402485N, 508880E
OBJECTIVE: Test the Peridotite/basalt contact for nickle mineralization
DRILLERS: Salo Drilling DRILLING DATE: Dec 2-5, 2009
LOGGED BY: Kevin Montgomery P.Geo.

Core Size: BQ
Collar Azimuth: 140
Collar Dip: - 50
Hole Length: 82 m

Depth	Dip	Azimuth
82	-46	140
ACID	TEST	

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
0	2	Overburden	Casing left in the hole.	63886	6	7	1	10	1586	150	88
				63887	7	8	1	9	1494	131	110
2	51.65	Peridotite	Black to dark green, Vfg-Fg, massive, magnetic,	63888	8	9	1	6	1573	132	79
			adcumulate to mesocumulate peridotite. The upper	63889	9	10	1	<5	1530	107	93
			part (2 to 17.6 m) is black Vfg adcumulate (90-95%	63890	10	11	1	8	1393	159	101
			tightly packed olivine cumulate grains) peridotite.	63891	11	12	1	<5	1593	137	94
			Below it is a dark green Vfg partially serpentinized	63892	12	13	1	<5	1450	95	90
			mesocumulate peridotite. It initially consistsof 90-95%	63893	13	14	1	<5	1184	116	77
			olivine cumulate with interstial white matrix. Progressively								
			downhole the matrix content increases to 25%. The	63894	14	15	1	<5	1308	129	94
			unit is white spotted from 45 to 50.5 m.	63895	15	16	1	<5	1031	119	85
			The unit is cut by 1-2% white serpentine-carbonate	63896	16	17	1	<5	974	123	79
			veinlets (up 1 cm thick) and fractures.	63897	17	17.6	0.6	<5	1179	120	102
			7-16 MIN: 0.5% very fine brown to brassy VFg	63898	17.6	18.5	0.9	<5	1101	84	67
			pyrrhotite disseminations interstitial to the								
			olivine cumulate grains.								
			16-17.6 MIN: 0.5-1%, same as above.								
			21.3-29 MIN: 0.5%, same as above.								
			29-32.5 MIN: 0.5-1%, same as above.								
			42.4-42.55 Low core angle fracture, blocky core.								
			49-50 MIN: 0.5%, brassy Fg pyrite disseminations	639899	48	49	1	5	517	158	63
			interstial to olivine cumulate.	639900	49	49	BLANK	<5	45	81	16
			50-51.65 MIN: 1-1.5%, same as above.	639901	49	50	1	<5	594	187	72
			Lower contact sharp but orientation undiscernable	639902	50	51	1	5	512	292	73
			due to mud gouge fault (51.45-51.65 m).	639903	51	51.65	0.65	24	494	336	78
51.65	67.45	Komatiitic Basalt	Light grey, Vfg, massive, moderately soft, non-magnetic, homogeneous textured, komatiitic basalt. Locally								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			leucoxene specks present. The basalt is cut by fine microfractures to larger fractures that are commonly infilled with black graphite argillite material. ALTERATION: intense pervasive calcite throughout. MINERALIZATION: sulphides throughout see descriptions below.	63904	51.65	52.35	0.7	<5	298	104	53
			51.65-53.05 ALTERATION: intense pervasive green carbonate. Section also contains 1-2% white quartz veinlets (3-5 mm thick).	63905	52.35	53.05	0.7	<5	460	113	67
				63906	53.05	54	0.95	6	66	124	29
				63907	54	54.75	0.75	9	68	140	40
			53.05-54.75 MIN:overall 1% Vfg brassy pyrite concentrated in black graphite argillite filled fracture bands (70 to CA).								
			54.75-55.2 MIN: 10%, same as above, Occasional wispy pyrite laminations. Black Vfg-aphanitic argillite band.	63908	54.75	55.2	0.45	31	56	175	34
			Upper contact jagged & 50 to CA, lower contact 50 to CA.	63909	55.2	56	0.8	13	46	191	31
				63910	56	57	1	<5	57	119	43
			55.2-56 MIN: 3% Vfg brassy pyrite disseminations in basalt.								
			65.6-66.5 MIN:3%, same as above. Brown Vfg, pyrrhotite patch (diffuse & irregular) at 66.3 m. Sulphides hosted by komatiitic basalt with graphite argillite filled fractures.								
			64-66.5 2-3% white quartz-calcite stringers/fractures.								
			67-67.45 ALTERATION: beige moderate pervasive ankerite. Several white quartz irregular patches up to 10 cm core length.								
67.45	80.8	Graphitic Argillite/ Komatiitic Basalt	This is a mixed unit consisting of 60% black Vfg graphitic argillite (moderately hard) and light grey Vfg massive komatiitic basalt (moderately soft). The graphitic argillite is typically non bedded. It is locally bedded at 70-70.7 m and 78.8 m.	63911	67.45	68.5	1.05	10	86	205	51
				63912	68.5	69.5	1	8	68	179	29
				63913	69.5	70.5	1	5	68	214	37
				63914	70.5	71.4	0.9	<5	132	297	54
			67.45-68.1 5-7% white Vfg quartz patches.	63915	71.4	71.8	0.4	<5	177	165	54
			67.45-71.4 MIN: 5-7% Vfg brassy pyrite as disseminations to wispy laminations within black Vfg graphitic argillite.								
			70.8-71.4 ALTERATION: grey bleached aphanitic silicified section with 5-7% white quartz stringers.								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			71.4-71.8 Pale green, Vfg-aphanitic, serpentine speckled (5%) homogenous massive Komatiite basalt. Faint foliation 45 to CA due to alignment of serpentine specks (1 mm). MIN: 1-2% Vfg-fg disseminated pyrite.	63916	71.8	72.8	1	<5	86	298	49
			71.8-73.7 Black graphitic argillite. MIN: 7-8% brassy to brown Vfg to Fg pyrite disseminations to ovoids (1-2 cm). White quartz vein (7 cm), 90 to CA at 72 m.	63917	72.8	73.7	0.9	<5	88	347	45
				63918	73.7	75	1.3	<5	109	125	38
				63919	75	75.9	0.9	7	116	114	38
			73.7-75.9 Grey, Vfg, Komatiitic basalt with 2-3% very fine black graphite specks. MIN: 1% very finely disseminated pyrite.	63920	75.9	76.4	0.5	<5	96	210	41
				63921	76.4	77	0.6	<5	103	103	34
				63922	77	78	1	5	129	100	38
			75.9-76.4 same as 71.8-73.7 m. MIN: 5% same as 71.8-73.7 m. Upper contact undiscernable and lower contact gradational.	63923	78	78.5	0.5	6	29	74	17
				63924	78.5	79.5	1	23	28	78	17
				63925	79.5	79.5	NiSTD	14	12900	2610	192
			76.4-78 same as 73.7-75.9 m. MIN: 3% Vfg brassy pyrite disseminations and local blebs (5mm).	63926	79.5	80.8	1.3	<5	115	118	36
			78-79.5 Graphite argillite with upper conatct 55 to CA and lower contact 80 to CA. MIN:12-15% VFg dull brassy pyrite blobs, ovoids and broken up laminations/beds. These fragments range from 1-2 mm to 2.5 cm.								
			79.5-80.8 same as 73.7-75.9 m. MIN: 2% very finely disseminated brassy pyrite.								
			Lower contact 50 to CA.								
80.8	82	Argillite/ greywacke	Black to light grey, hard, Vfg, bedded argillite-greywacke. Bedding is 70 to CA. MIN: 1-2% brassy Vfg-Fg pyrite wisps to laminations parallel to bedding.	63927	80.8	82	1.2	<5	25	77	16
	82	EOH	End of the hole.								

HOLE: MC08-1
COMPANY: Bridgeport Ventures Inc.
PROPERTY: McCart
LOCATION: McCart Township, Ontario CLAIM: 4243370
GPS LOCATION: NAD 83 UTM Zone 17 5402424N, 508799E
OBJECTIVE: Test the Peridotite/basalt contact for nickle mineralization.
DRILLERS: Salo Drilling DRILLING DATE: Nov 29 - Dec 1, 2009
LOGGED BY: Kevin Montgomery PGeo.

Core Size: BQ
Collar Azimuth: 140
Collar Dip: -50
Hole Length: 106.6 m

Depth	Dip	Azimuth
76	-49	140
	Acid Test	

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
0	5	Overburden	Casing left in the hole.								
5	57.35	Peridotite	Grey, Vfg, soft, magnetic, carbonate altered, mesocumulate peridotite. Possibly a massive flow. The peridotite consists of 80% dark grey to black, fine olivine cumulate grains within a white carbonate matrix. The unit is cut by minor white Vfg carbonate-serpentine filled fractures throughout. Locally 5% from 11 to 14 m. STRUCTURE: massive no flow structures visible.								
			Moderately fractured at upper part (to 20 m), then	63851	5	6	1	<5	887	73	60
			weakly fractured.	63852	6	7	1	<5	783	53	53
			5-8 1 m of core loss.	63853	7	8	1	<5	698	76	56
			5-8 MIN: 0.5% Vfg brown pyrrhotite disseminations.	63854	8	8.7	0.7	<5	788	89	71
			8-8.7 MIN: 1.5% Vfg brown pyrrhotite, possibly trace	63855	8.7	9.7	1	<5	693	77	67
			pentlandite.	63856	9.7	11	1.3	10	747	102	73
			8.7-9.7 MIN: trace to 0.5%, same as 5-8 m. 41-56.8 ALTERATION: moderate pervasive serpentinization in parting a light grey colouration to section, locally trace Fg pyrite disseminations. 56.8-57.35 Lower contact area aphanitic with black olivine specks to flecks (5%) and completely serpentinized cumulate grains. Trace sulphides only. Lower Contact 60 to CA.								
57.35	77.6	Graphitic Argillite	Black to light grey, Vfg, well bedded, hard, black graphitic argillite/greywacke. The sediment beds vary in thickness from mm to 10 cm. Locally they are tightly isoclinally folded. The unit is cut by 2-3% white								

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			quartz-calcite veinlets to fractures. Larger veins are located at 59.42 m, 64.5 m, 68.45 and 68.83 m. MINERALIZATION; Overall 5% brassy Fg pyrite and dull Vfg pyrite. The pyrite predominantly occurs as disseminations to pseudolaminations along bedding. STRUCTURE: Bedding 65 to CA at 59 m, 65 to CA at 62 m, 70 to CA at 66.3 m, 60 to CA at 69.5 m, 70 to CA at 71 m and 65 to CA at 74 m. Local variations in bedding orientation also common. Tight fold axis at 60.25 m 70 to CA, 63.3 m 80 to CA, and 70.2 m 75 to CA. 65-69.5 MIN: 10% VFg brassy pyrite blobs to Fg disseminations along bedding. 72.15-75.1 10% white quartz filled fractures randomly orientated. 76.8-77.6 MIN: 50-60% Vfg brassy pyrite blobs with white Vfg calcite tails. Lower Contact 60 to CA.								
77.6	106.6	Komatiitic Basalt	Light green, Fg, soft, non-magnetic, moderately serpentinized Komatiitic basalt. It consists of 30-40% white plagioclase-quartz interlocked with 60-70% light green serpentinized olivine. It is finely microfractured. The microfractures are black graphitic and/or serpentine filled. Possible flow selvage at 96 m. The unit is cut by 2-3% white calcite stringers/fractures (1-3 mm) and fine tensional gashes. STRUCTURE: Massive possible weak flow structures. MINERALIZATION: sulphides throughout see descriptions below. 77.6-78MIN: 3-4% brassy Mg-Fg pyrite disseminations. 81.4-81.95 MIN: 3% brassy Fg pyrite disseminations. 81.95-82.5 MIN: Pyrite Zone- It consists of 80% Vfg brassy massive pyrite blobs surrounded by 10% graphitic argillite material and 10% white calcite. Upper contact 80 to CA and lower contact 70 to CA. 82.5-83 MIN: 3% brassy Fg pyrite disseminations along microfractures.	63857	75.1	76	0.9	11	35	81	16
				63858	76	76.8	0.8	5	34	74	18
				63859	76.8	77.6	0.8	11	35	66	18
				63860	77.6	78	0.4	<5	216	118	49
				63861	78	79	1	22	191	121	42
				63862	79	80	1	<5	179	132	39
				63863	80	80.7	0.7	<5	182	108	40
				63864	80.7	81.4	0.7	<5	189	110	42
				63865	81.4	81.95	0.55	<5	260	120	53
				63866	81.95	82.5	0.55	16	36	69	18
				63867	82.5	83	0.5	10	224	106	51

FROM	TO	LITHOTYPE	GEOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Au ppb	Ni ppm	Cu ppm	Co ppm
			83-83.17 MIN: Pyrrhotite Zone- 60% dull brown Vfg pyrrhotite as psuedobands, 35% black graphitic argiilite and greywacke laminations and 3% Vfg-Fg disseminated pyrite. Upper contact 90 to CA & lower contact 80 to CA.								
			83.17-83.8 MIN: 2% same as 81.4 to 81.95 m.	63868	83	83.4	0.4	<5	172	149	46
			91.6-92.7 MIN: 2% same as 81.4 to 81.95 m, trace	63869	83.4	83.8	0.4	<5	220	110	52
			pyrrhotite.	63870	83.8	84.5	0.7	<5	210	110	46
			92.7-93.25 MIN: Pyrrhotite Zone-same as 83-83.17 but	63871	84.5	85.5	1	<5	207	101	44
			75-80% semi-massive Vfg pyrrhotite with 20%graphitic	63872	91.6	92.7	1.1	<5	284	115	59
			argillite blobs. Upper contact 60 to CA and lower	63873	92.7	93.25	0.55	<5	90	195	56
			contact gradational.	63874	93.25	93.65	0.4	<5	673	53	65
			93.65-94.2 MIN: Pyrite Zone-same as 81.95-82.5 m.	63875	93.65	93.65	BLANK	<5	20	76	11
			Upper contact 80 to CA and lower contact 60 to CA.	63876	93.65	94.2	0.55	24	28	54	13
			94.2-95 MIN: 5% brown Vfg-Fg pyrrhotite finely	63877	94.2	95	0.8	5	217	95	51
			disseminated throughout and 0.5-1% brassy Fg pyrite	63878	95	96.15	1.15	<5	200	95	46
			disseminations in microfractures.	63879	96.15	97	0.85	<5	203	108	44
			95-96.15 MIN:2-3% brown Vfg pyrrhotite finely	63880	97	97.85	0.85	<5	183	101	39
			disseminated switching downhole to Fg brassy pyrite	63881	97.85	98.45	0.6	<5	258	105	53
			disseminations.	63882	98.45	99.1	0.65	31	90	141	24
			97.85-98.45 MIN: 2% same as 81.4 to 81.95 m.	63883	99.1	100	0.9	<5	261	103	52
			98.45-99.1 MIN: Pyrrhotite Zone- 50% dull brown Vfg	63884	100	101	1	<5	198	109	43
			irregular shaped blobs (1-5 cm) within black graphite	63885	101	102	1	<5	184	109	37
			argillite. 2-3% brassy Vfg pyrite.								
			99.1-100 MIN: 2-3% brown Vfg-Fg pyrrhotite finely disseminated throughout and 1% brassy Fg pyrite disseminations in microfractures.								
			105.4-106.6 5% white irregular calcite stringers to fractures.								
	106.6	EOH	End of the hole.								

RQD LOG

HOLE: MC08-4 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
5	7	60	80
7	10	35	95
10	13	90	100
13	16	90	100
16	19	60	65
19	22	80	100
22	25	90	100
25	28	80	100
28	31	80	100
31	34	90	100
34	37	95	100
37	40	65	100
40	43	85	100
43	46	90	100
46	49	80	100
49	52	90	100
52	55	90	100
55	58	80	100
58	61	60	100
61	64	90	100
64	67	95	100
67	70	90	100
70	73	80	100
73	76	90	100
76	79	80	100
79	82	95	100
82	85	90	100

HOLE: MC08-4 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
85	88	95	100
88	91	95	100
91	94	95	100
94	97	99	100
97	100	85	100
100	103	85	100
103	106	90	100
106	109	70	100
109	112	70	100
112	115	95	100
115	118	95	100
118	121	75	100
121	124	30	100
124	127	60	100
127	130	80	100
130	133	85	100
133	136	95	100
136	139	100	100
139	142	85	100
142	145	95	100
145	148	100	100
148	151	90	100
151	154	95	100
154	157	85	100
157	160	80	100
160	163	97	100
163	166	90	100
166	169	75	100
169	172	90	100
172	175	95	100

HOLE: MC08-4 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
175	178	95	100
178	181	95	100
181	184	90	100
184	187	100	100
187	190	100	100
190	193	100	100
193	196	100	100
196	199	97	100
199	202	85	100

RQD LOG

HOLE: MC08-1 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
4	5	0	50
5	8	30	65
8	11	60	90
11	14	70	100
14	17	70	100
17	20	80	100
20	23	95	100
23	26	97	100
26	29	97	100
29	32	95	100
32	35	97	100
35	38	97	100
38	41	97	100
41	44	95	100
44	47	90	100
47	50	95	100
50	53	100	100
53	56	95	100
56	59	95	100
59	62	85	100
62	65	80	100
65	68	90	100
71	74	80	100
74	77	85	100
77	80	90	100
80	83	90	100
83	86	90	100

HOLE: MC08-1 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
86	89	95	100
89	92	95	100
92	95	85	100
95	98	97	100
98	101	95	100
101	104	97	100
104	106.6	80	100

RQD LOG

HOLE: MC08-5 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
0	3	40	100
3	6	40	100
6	9	90	100
9	12	85	100
12	15	40	90
15	18	20	80
18	21	90	100
21	24	50	100
24	27	30	100
27	30	75	100
30	33	30	100
33	36	80	100
36	39	50	100
39	42	95	100
42	45	70	100
45	48	95	100
48	51	95	100
51	54	90	100
54	57	95	100
57	60	85	100
60	63	55	100
63	66	90	100
66	69	75	100
69	72	85	100
72	75	80	100
75	78	75	100
78	81	80	100

HOLE: MC08-5 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
81	84	40	100
84	87	80	100
87	90	85	100
90	93	85	100
90	96	50	100
90	99	90	100
90	102	95	100
90	105	97	100
90	108	97	100
108	111	95	100
111	114	85	100
114	117	80	100
117	120	20	50
120	123	80	90
123	126	90	100
126	129	75	95
129	132	90	100
132	135	97	97
135	138	90	100
138	141	100	100
141	144	95	100
144	147	65	100
147	150	80	100
150	153	75	95
153	156	40	100
156	159	95	100
159	162	90	100
162	165	97	100
165	168	95	100
168	171	95	100

HOLE: MC08-5 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
171	174	65	100
174	177	70	100
177	180	75	100
180	183	75	100
183	185	40	100

RQD LOG

HOLE: MC08-3 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
1.5	4	95	100
4	7	90	100
7	10	90	100
10	13	95	100
13	16	90	100
16	19	90	100
19	22	85	100
22	25	90	100
25	28	97	100
28	31	95	100
31	34	97	100
34	37	85	100
37	40	95	100
40	43	95	100
43	46	95	100
46	49	90	100
49	52	75	100
52	55	65	100
55	58	75	100
58	61	95	100
61	64	86	100
64	67	87	100
67	70	90	100
70	73	97	100
73	76	95	100
76	79	97	100
79	82	97	100

HOLE: MC08-3 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
82	85	100	100
85	88	97	100
88	91	100	100
91	94	80	100
94	97	85	100
97	100	88	100
100	103	90	100
103	106	90	100
106	109	95	100
109	112	60	100
112	115	80	100
115	118	90	100
118	121	85	100
121	124	97	100
124	127	70	100
127	130	75	100
130	133	85	100
133	136	80	100
136	139	90	100
139	142	97	100
142	145	100	100
145	148	85	100
148	151	95	100
151	154	100	100
154	157	100	100
157	160	100	100
160	163	100	100
163	166	100	100
166	169	97	100
169	172	100	100

HOLE: MC08-3 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
172	175	100	100
175	178	100	100
178	181	95	100
181	184	100	100
184	187	90	100
187	190	95	100
190	193	60	100
193	196	90	100
196	199	95	100
199	202	90	100

RQD LOG

HOLE: MC08-2 **PROPERTY: McCart**

FROM	TO	RQD	RECOVERY
2	4	60	80
4	7	65	100
7	10	90	100
10	13	75	100
13	16	90	100
16	19	90	100
19	22	90	100
22	25	80	100
25	28	60	100
28	31	95	100
31	34	85	100
34	37	85	100
37	40	70	100
40	43	70	100
43	46	95	100
46	49	95	100
49	52	65	100
52	55	85	100
55	58	90	100
58	61	95	100
61	64	90	100
64	67	95	95
67	70	95	100
70	73	80	100
73	76	70	95
76	79	80	100
79	82	80	100

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63926	<5	<5	<5	<5	5	<5	113	123
63927	<5		<5		<5		77	
63928	6		20		23		150	
63929	46		12		17		74	
63930	24		15		23		88	
63931	6		11		16		97	
63932	<5		15		19		128	
63933	<5		11		17		145	
63934	<5		7		13		170	
63935	<5		10		19		178	
63936	<5		10		14		129	
63937	<5		6		12		133	
63938	<5	<5	6	9	10	12	161	162
63939	<5		9		12		191	
63940	<5		13		15		115	
63941	<5		8		14		84	
63942	<5		5		8		89	
63943	<5		8		8		121	
63944	<5		6		6		139	
63945	<5		7		8		126	

Joe Landers, Manager

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63946	<5		8		11		147	
63947	6		11		15		163	
63948	5		9		16		154	
63949	<5		7		15		139	
63950	<5	<5	<5	<5	<5	<5	80	88
63951	<5		8		18		136	
63952	<5		7		19		117	
63953	<5		12		20		127	
63954	<5		12		22		148	
63955	8		15		25		170	
63956	26		12		21		131	
63957	5		18		28		197	
63958	9		11		22		290	
63959	5		17		33		341	
63960	7		18		40		358	
63961	<5		15		25		280	
63962	<5	6	15	18	25	27	312	311
63963	6		18		29		393	
63964	<5		20		29		413	
63965	<5		21		26		344	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63966	13		21		30		396	
63967	<5		20		24		297	
63968	11		12		9		125	
63969	<5		<5		<5		66	
63970	<5		<5		<5		133	
63971	<5		<5		<5		121	
63972	8		<5		<5		115	
63973	<5		<5		<5		202	
63974	5	<5	<5	<5	<5	<5	501	509
63975	<5		<5		<5		85	
63976	<5		<5		<5		145	
63977	5		<5		<5		327	
63978	5		<5		<5		178	
63979	<5		<5		<5		184	
63980	<5		<5		<5		178	
63981	<5		<5		<5		167	
63982	7		<5		<5		315	
63983	23		<5		<5		342	
63984	5		<5		<5		306	
63985	<5		<5		5		107	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63986	<5	<5	7	7	6	8	154	150
63987	<5		<5		6		115	
63988	<5		5		6		99	
63989	<5		9		7		104	
63990	<5		7		7		109	
63991	<5		<5		<5		206	
63992	<5		<5		<5		354	
63993	<5		<5		<5		209	
63994	<5		6		7		197	
63995	<5		<5		<5		269	
63996	<5		<5		<5		199	
63997	5		<5		<5		183	
63998	6	5	<5	<5	<5	<5	98	99
63999	77		<5		<5		133	
64000	11		74		79		1930	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**
Your order number :
Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63926	109	120	35	37	
63927	25		16		
63928	1822		98		
63929	1362		86		
63930	1589		88		
63931	1344		86		
63932	1717		93		
63933	1675		86		
63934	965		77		
63935	1594		116		
63936	1404		94		
63937	1003		80		
63938	1175	1156	88	87	
63939	1143		86		
63940	1279		88		
63941	1284		83		
63942	1340		82		
63943	925		72		
63944	690		63		
63945	863		68		

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**
Your order number :
Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63946	901		68		
63947	874		77		
63948	849		78		
63949	815		77		
63950	21	17	13	13	
63951	1066		95		
63952	916		84		
63953	972		101		
63954	1220		114		
63955	1444		128		
63956	1128		105		
63957	1679		135		
63958	1891		144		
63959	2070		166		
63960	2057		160		
63961	1644		149		
63962	1722	1701	160	164	
63963	1752		179		
63964	1857		180		
63965	1339		147		

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63966	1469		138		
63967	1125		128		
63968	461		67		
63969	51		17		
63970	66		42		
63971	71		45		
63972	52		31		
63973	114		60		
63974	80	75	38	31	
63975	41		13		
63976	119		30		
63977	176		61		
63978	210		40		
63979	234		40		
63980	227		49		
63981	230		41		
63982	215		80		
63983	180		68		
63984	132		61		
63985	232		39		

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24070**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63986	233	232	45	46	
63987	293		48		
63988	258		47		
63989	239		41		
63990	235		46		
63991	130		36		
63992	149		53		
63993	141		43		
63994	246		49		
63995	163		53		
63996	139		55		
63997	61		27		
63998	37	37	18	18	
63999	31		18		
64000	---------- >DL		401		1.980

>DL Value greater than detection limit

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24071**

Your order number :

Project : **9672**

Total number of samples : **60**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2
142351		5	7	<5	<5	<5	<5	52
142352		<5		<5		<5		80
142353		10		<5		<5		31
142354		<5		14		10		116
142355		5		<5		5		117
142356		8		13		5		169
142357		8		7		5		406
142358		13		12		9		113
142359		11		10		9		100
142360		<5		12		10		125
142361		<5		11		15		80
142362		<5		9		12		82
142363		6	8	9	7	10	8	79
142364		5		16		16		81
142365		12		21		24		70
142366		8		12		13		64
142367		<5		14		12		78
142368		6		16		26		72
142369		5		10		18		76
142370		<5		<5		7		80

Joe Landers, Manager

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24071**

Your order number :

Project : **9672**

Total number of samples : **60**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2
142371		<5		19		29		186
142372		39		15		27		183
142373		<5		23		32		309
142374		<5		13		19		187
142375		<5	<5	<5	<5	<5	<5	86
142376		<5		12		13		100
142377		5		14		16		130
142378		5		8		14		121
142379		<5		17		22		172
142380		<5		14		19		162
142381		<5		10		15		158
142382		<5		7		8		100
142383		<5		7		12		124
142384		<5		8		14		122
142385		<5		5		10		121
142386		<5		7		13		135
142387		<5	<5	9	6	13	16	127
142388		<5		5		20		119
142389		<5		6		9		127
142390		<5		8		11		115

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24071**

Your order number :

Project : **9672**

Total number of samples : **60**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2
142391		<5		15		13		135
142392		<5		18		16		400
142393		268		<5		<5		83
142394		5		<5		<5		32
142395		35		<5		<5		25
142396		117		<5		<5		144
142397		11		<5		<5		115
142398		<5		<5		<5		146
142399		5	7	<5	<5	<5	<5	536
142400	2.54	2462		<5		<5		433
142401		6		<5		<5		140
142402		<5		10		16		87
142403		6		8		12		91
142404		6		14		20		76
142405		7		15		24		70
142406		34		12		21		99
142407		<5		19		24		119
142408		<5		11		18		116
142409		<5		10		16		95
142410		<5		5		10		105

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24071**

Your order number :

Project : **9672**

Total number of samples : **60**

Designation	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142351	51	24	27	12	13
142352		50		20	
142353		51		16	
142354		205		51	
142355		142		66	
142356		382		69	
142357		176		36	
142358		171		46	
142359		161		45	
142360		174		46	
142361		603		69	
142362		638		72	
142363	71	500	490	65	58
142364		1284		79	
142365		1529		88	
142366		1470		80	
142367		1440		79	
142368		1506		83	
142369		1440		79	
142370		1029		78	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24071**
Your order number :
Project : **9672**

Total number of samples : **60**

Designation	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142371		1651		108	
142372		1300		109	
142373		1538		130	
142374		1306		106	
142375	90	38	40	15	16
142376		859		72	
142377		991		92	
142378		812		73	
142379		1523		102	
142380		1230		87	
142381		593		69	
142382		760		78	
142383		810		66	
142384		932		90	
142385		610		65	
142386		679		93	
142387	129	702	694	86	82
142388		726		96	
142389		523		73	
142390		537		78	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24071**

Your order number :

Project : **9672**

Total number of samples : **60**

Designation	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142391		531		77	
142392		497		81	
142393		96		24	
142394		16		9	
142395		30		13	
142396		48		27	
142397		43		37	
142398		38		39	
142399	538	46	48	54	55
142400		67		342	
142401		39		48	
142402		1670		107	
142403		1609		94	
142404		1787		102	
142405		2075		119	
142406		1503		90	
142407		1858		106	
142408		1690		98	
142409		1100		59	
142410		1449		75	

*** Certificate of analysis ***

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**

Your order number :

Project : **9672**

Total number of samples : **71**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
142411	8	5	18	16	21	23	109	110
142412	<5		16		21		88	
142413	8		13		16		134	
142414	<5		13		17		216	
142415	26		18		17		139	
142416	<5		19		19		132	
142417	32		19		20		148	
142418	8		18		20		172	
142419	8		15		15		108	
142420	<5		14		19		120	
142421	37		15		13		121	
142422	<5		16		20		155	
142423	7	6	14	11	14	13	140	148
142424	26		27		26		116	
142425	<5		<5		<5		85	
142426	<5		14		14		121	
142427	6		20		16		130	
142428	9		16		16		120	
142429	22		20		22		122	
142430	<5		17		20		111	

Joe Landers, Manager

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**

Your order number :

Project : **9672**

Total number of samples : **71**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
142431	<5		15		18		124	
142432	<5		14		18		162	
142433	<5		17		21		107	
142434	<5		19		18		171	
142435	<5	<5	22	18	22	22	161	168
142436	<5		17		18		157	
142437	11		16		15		116	
142438	5		21		20		105	
142439	11		17		13		74	
142440	8		9		13		78	
142441	<5		18		11		68	
142442	7		20		14		84	
142443	10		16		12		68	
142444	<5		15		11		83	
142445	10		19		14		133	
142446	<5		20		17		99	
142447	8	6	20	16	18	15	90	98
142448	<5		13		13		98	
142449	<5		13		12		115	
142450	<5		<5		<5		78	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**

Your order number :

Project : **9672**

Total number of samples : **71**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
142451	<5		6		10		102	
142452	<5		8		12		95	
142453	15		13		16		134	
142454	14		14		17		132	
142455	<5		13		12		92	
142456	7		11		13		69	
142457	6		13		13		124	
142458	5		14		13		114	
142459	5	<5	17	14	14	11	97	109
142460	7		17		15		113	
142461	5		14		17		111	
142462	6		16		23		155	
142463	12		7		14		191	
142464	7		10		27		159	
142465	11		48		99		93	
142466	15		14		31		106	
142467	15		11		25		96	
142468	6		41		98		159	
142469	<5		5		16		121	
142470	5		13		16		179	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**

Your order number :

Project : **9672**

Total number of samples : **71**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
142471	6	5	28	24	26	23	98	101
142472	<5		23		15		90	
142473	<5		20		18		126	
142474	<5		14		14		76	
142475	<5		<5		<5		79	
142476	6		14		14		105	
142477	5		22		18		108	
142478	<5		22		20		107	
142479	78		11		15		137	
142480	5		11		18		159	
142481	<5		15		23		107	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**

Your order number :

Project : **9672**

Total number of samples : **71**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142411	1131	1129	81	79
142412	1057		97	
142413	1443		123	
142414	1483		120	
142415	1143		108	
142416	1427		132	
142417	1335		117	
142418	2068		132	
142419	1836		104	
142420	1723		105	
142421	963		86	
142422	1507		135	
142423	1789	1804	128	127
142424	1794		153	
142425	38		15	
142426	1413		103	
142427	1392		123	
142428	1470		97	
142429	3540		132	
142430	1617		128	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**
Your order number :
Project : **9672**

Total number of samples : **71**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142431	1457		113	
142432	1550		103	
142433	1933		145	
142434	1602		131	
142435	1777	1804	126	128
142436	1978		123	
142437	1493		90	
142438	1768		84	
142439	1069		70	
142440	1203		81	
142441	669		74	
142442	1346		83	
142443	1039		75	
142444	1179		96	
142445	1466		112	
142446	1803		127	
142447	1227	1225	102	104
142448	987		85	
142449	680		75	
142450	34		14	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**
Your order number :
Project : **9672**

Total number of samples : **71**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142451	822		87	
142452	855		78	
142453	1273		101	
142454	1631		117	
142455	924		76	
142456	834		57	
142457	1345		100	
142458	1159		102	
142459	1113	1150	85	91
142460	1639		108	
142461	1599		113	
142462	1756		114	
142463	691		65	
142464	1071		94	
142465	983		74	
142466	997		80	
142467	935		80	
142468	3120		124	
142469	496		56	
142470	564		78	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24072**
Your order number :
Project : **9672**

Total number of samples : **71**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
142471	476	503	56	62
142472	678		73	
142473	863		92	
142474	807		84	
142475	37		13	
142476	359		54	
142477	393		65	
142478	256		53	
142479	730		79	
142480	735		80	
142481	823		82	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63851	<5	<5	8	8	19	17	68	77
63852	<5		11		21		53	
63853	<5		9		18		76	
63854	<5		12		21		89	
63855	<5		9		19		77	
63856	10		11		21		102	
63857	11		6		<5		81	
63858	5		5		<5		74	
63859	11		<5		<5		66	
63860	<5		17		10		118	
63861	22		9		10		121	
63862	<5		9		9		132	
63863	<5	<5	8	10	10	9	109	107
63864	<5		8		10		110	
63865	<5		10		11		120	
63866	16		14		5		69	
63867	10		23		20		106	
63868	<5		8		8		149	
63869	<5		11		10		110	
63870	<5		9		10		110	

Joe Landers, Manager

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63871	<5		13		11		101	
63872	<5		13		11		115	
63873	<5		<5		<5		195	
63874	<5		9		7		53	
63875	<5	<5	<5	<5	<5	<5	71	80
63876	24		14		<5		54	
63877	5		18		12		95	
63878	<5		18		10		95	
63879	<5		14		10		108	
63880	<5		14		10		101	
63881	<5		13		11		105	
63882	31		12		5		141	
63883	<5		13		11		103	
63884	<5		13		11		109	
63885	<5		10		10		109	
63886	10		17		18		150	
63887	8	10	18	16	18	18	135	127
63888	6		12		17		132	
63889	<5		17		21		107	
63890	8		14		15		159	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63891	<5		12		14		137	
63892	<5		9		10		95	
63893	<5		13		10		116	
63894	<5		16		14		129	
63895	<5		12		10		119	
63896	<5		16		12		123	
63897	<5		14		11		120	
63898	<5		14		12		84	
63899	<5	5	15	13	<5	6	153	162
63900	<5		<5		<5		81	
63901	<5		16		12		187	
63902	5		21		15		292	
63903	24		26		22		336	
63904	<5		14		10		104	
63905	<5		14		15		113	
63906	6		<5		<5		124	
63907	9		<5		<5		140	
63908	31		<5		<5		175	
63909	13		<5		<5		191	
63910	<5		<5		<5		119	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2
63911	9	10	<5	<5	<5	<5	203	206
63912	8		<5		<5		179	
63913	5		<5		<5		214	
63914	<5		<5		<5		297	
63915	<5		<5		<5		165	
63916	<5		<5		<5		298	
63917	<5		<5		<5		347	
63918	<5		<5		<5		125	
63919	7		<5		<5		114	
63920	<5		<5		<5		210	
63921	<5		6		<5		103	
63922	5		<5		<5		100	
63923	5	6	<5	<5	<5	<5	74	74
63924	23		<5		<5		78	
63925	14		76		80		2610	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**
Your order number :
Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63851	882	892	58	62	
63852	783		53		
63853	698		56		
63854	788		71		
63855	693		67		
63856	747		73		
63857	35		16		
63858	34		18		
63859	35		18		
63860	216		49		
63861	191		42		
63862	179		39		
63863	175	189	39	41	
63864	189		42		
63865	260		53		
63866	36		18		
63867	224		51		
63868	172		46		
63869	220		52		
63870	210		46		

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**

Your order number :

Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63871	207		44		
63872	284		59		
63873	90		56		
63874	673		65		
63875	22	17	9	12	
63876	28		13		
63877	217		51		
63878	200		46		
63879	203		44		
63880	183		39		
63881	258		53		
63882	90		24		
63883	261		52		
63884	198		43		
63885	184		37		
63886	1586		88		
63887	1479	1508	108	112	
63888	1573		79		
63889	1530		93		
63890	1393		101		

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**
Your order number :
Project : **9672**

Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63891	1593		94		
63892	1450		90		
63893	1184		77		
63894	1308		94		
63895	1031		85		
63896	974		79		
63897	1179		102		
63898	1101		67		
63899	502	531	58	68	
63900	45		16		
63901	594		72		
63902	512		73		
63903	494		78		
63904	298		53		
63905	460		67		
63906	66		29		
63907	68		40		
63908	56		34		
63909	46		31		
63910	57		43		

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2009/04/02

Client : **MPH Consulting**

Addressee : **Kevin Montgomery**

Folder : **24069**

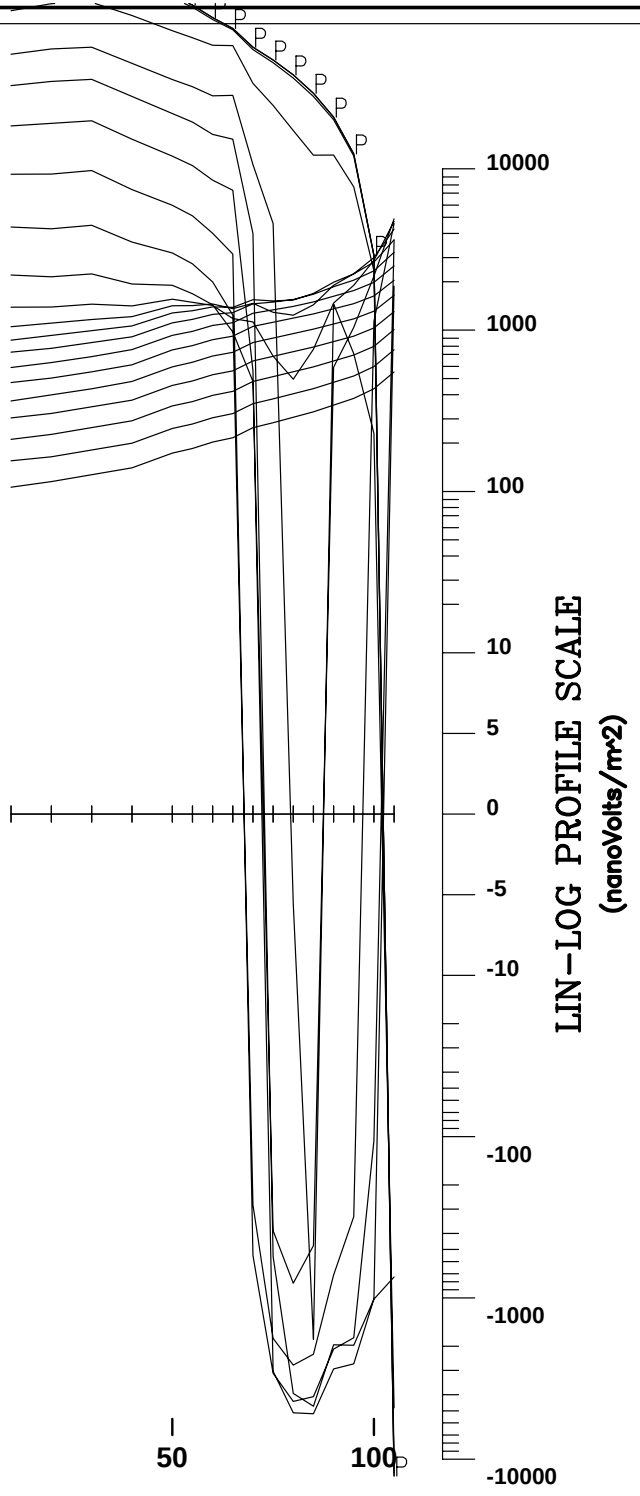
Your order number :

Project : **9672**

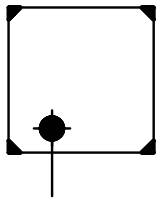
Total number of samples : **75**

Designation	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
63911	84	87	50	51	
63912	68		29		
63913	68		37		
63914	132		54		
63915	177		54		
63916	86		49		
63917	88		45		
63918	109		38		
63919	116		38		
63920	96		41		
63921	103		34		
63922	129		38		
63923	29	29	16	17	
63924	28		17		
63925	---------- >DL		192		1.290

>DL Value greater than detection limit



Map Generated by



Borehole MC08-03 - Z Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

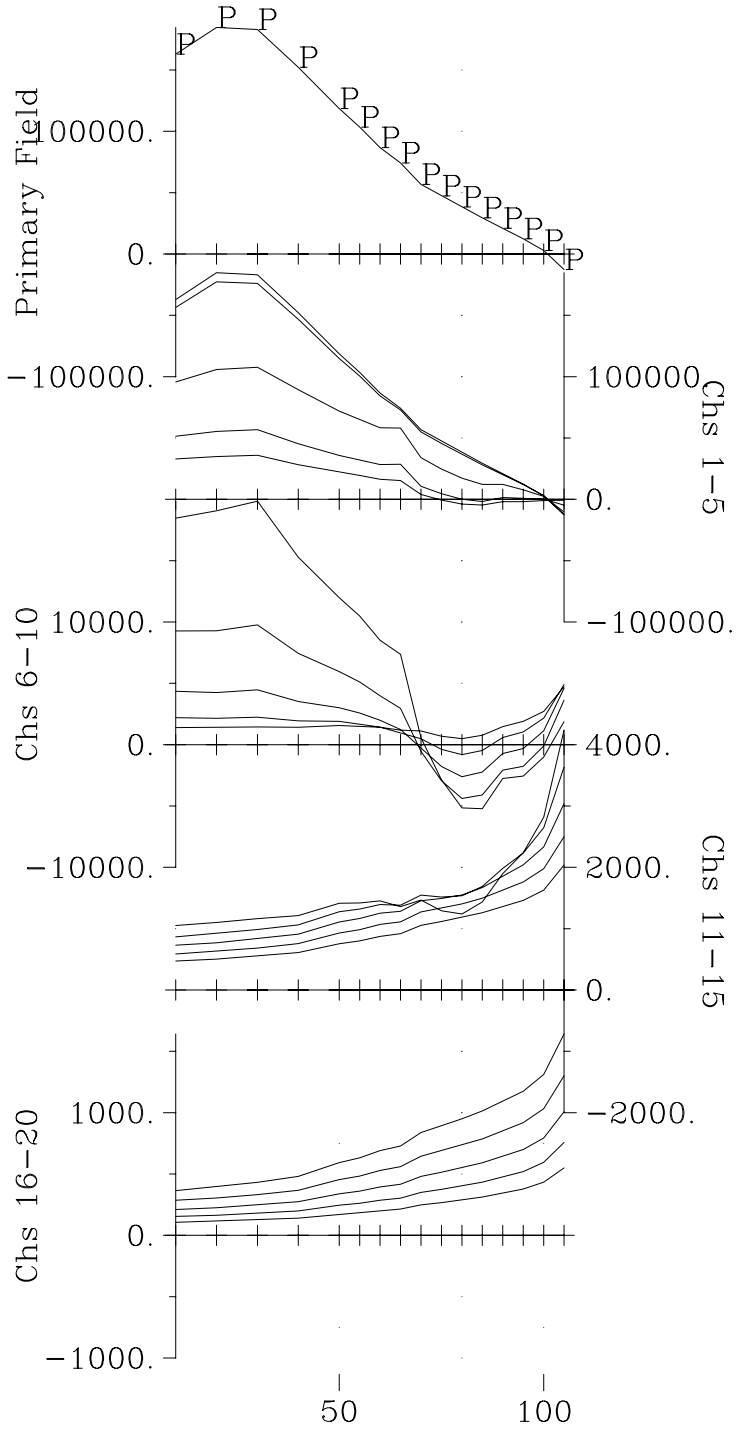
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508953, 5402544
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

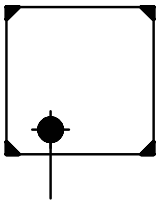
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-Z-Tilt-MC08-03-E



Map Generated by



Borehole MC08−03 − Z Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

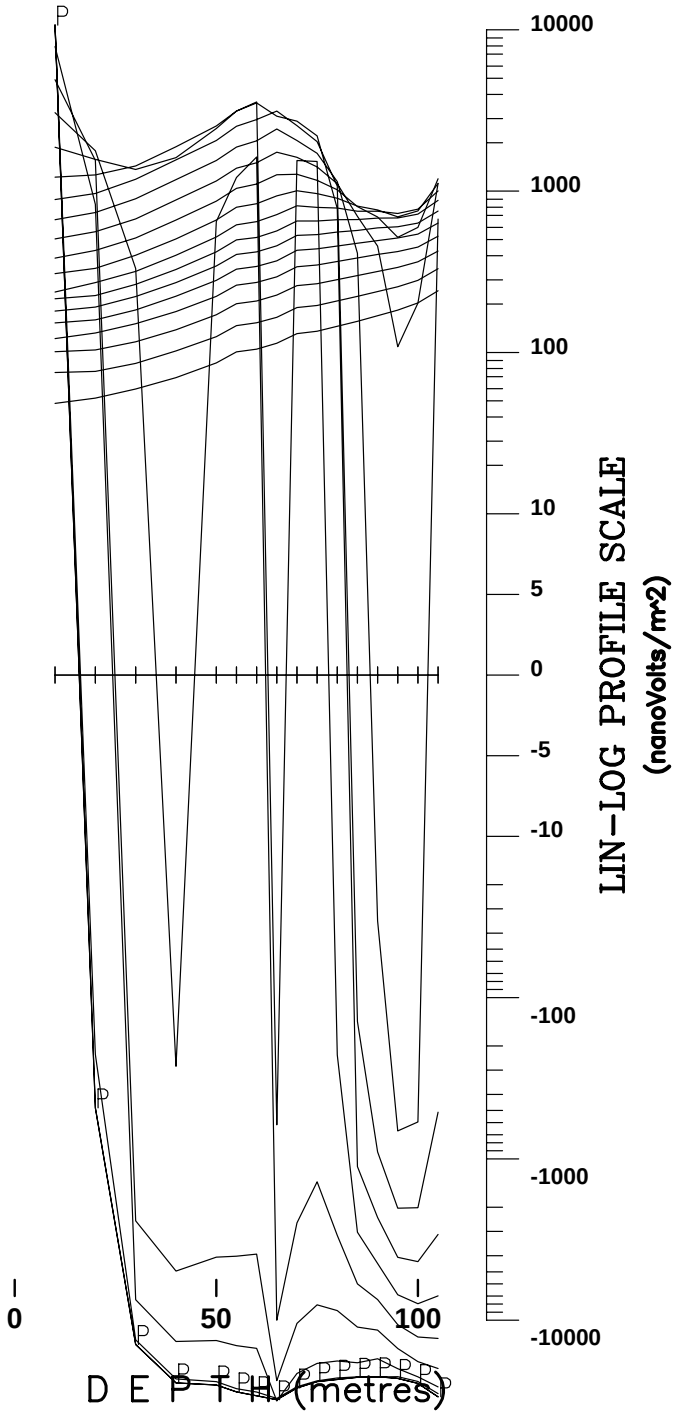
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn−Off−Time and Rx Delay:	398 us, −80 us
Borehole Location:	508953E, 5402544
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

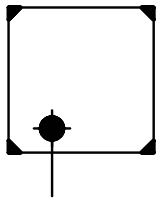
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−Z−MC08−03−E



Map Generated by



Borehole MC08-03 - Y Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

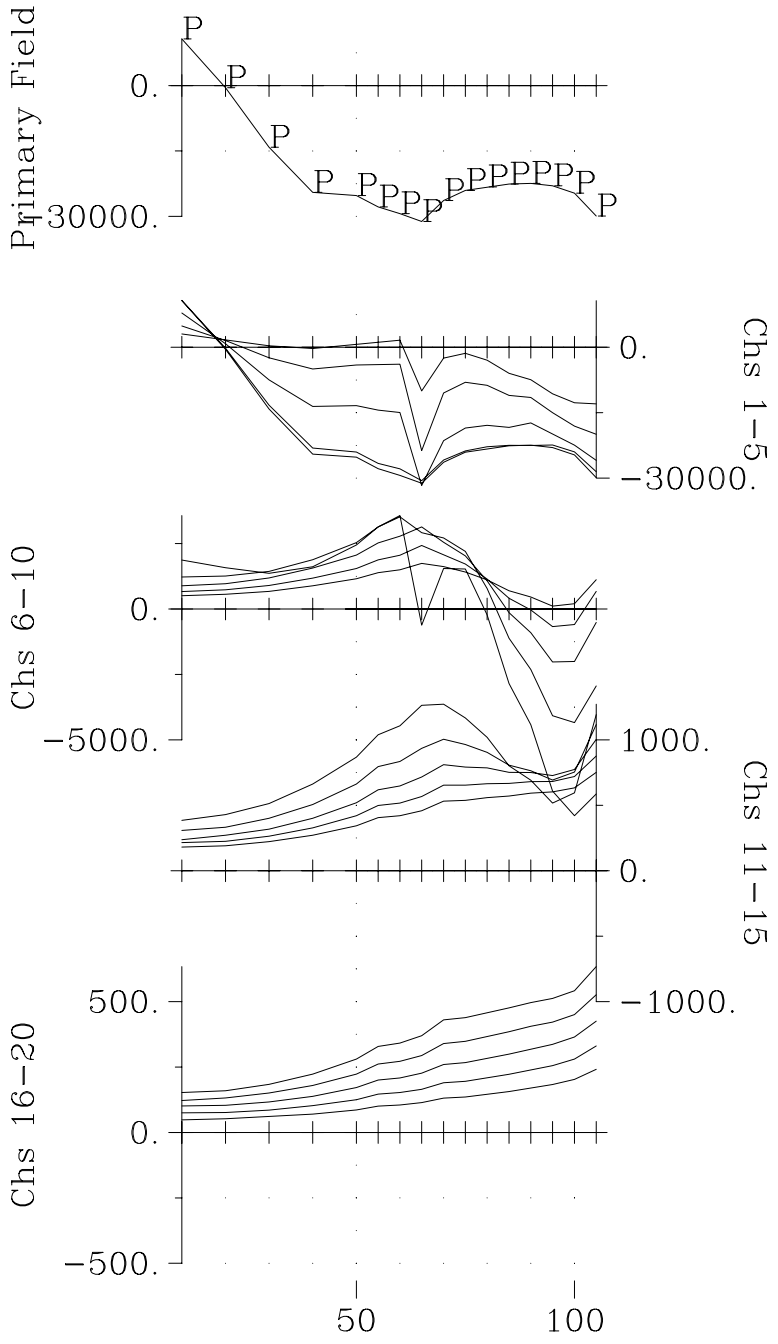
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508953, 5402544
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

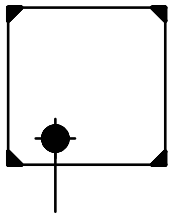
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-Y-Tilt-MC08-03-N



Map Generated by



Borehole MC08-03 - Y Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

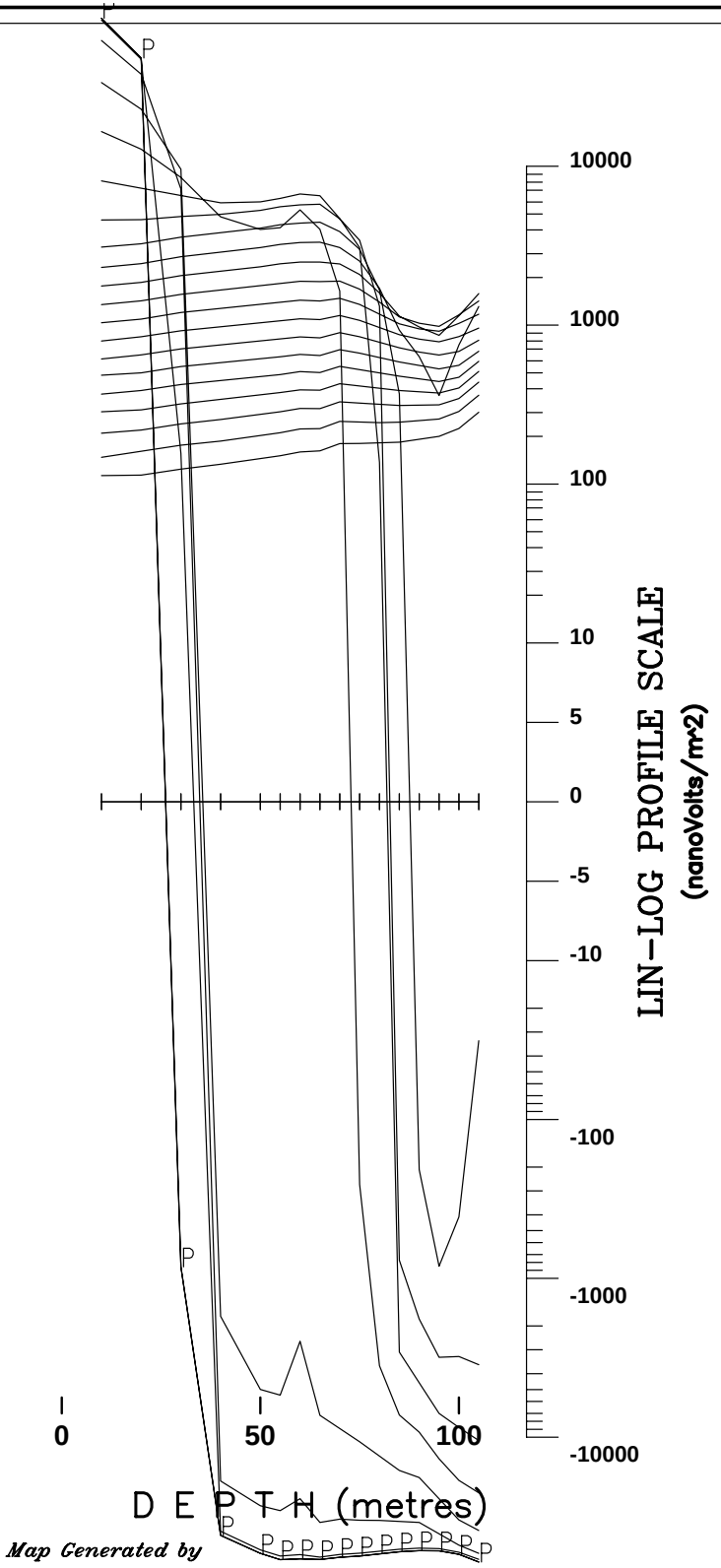
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us, -80 us
Borehole Location:	508953E, 5402544
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

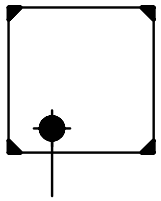
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BH4A-Tiltrot-Y-MC08-03-E





Borehole MC08-03 - X Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

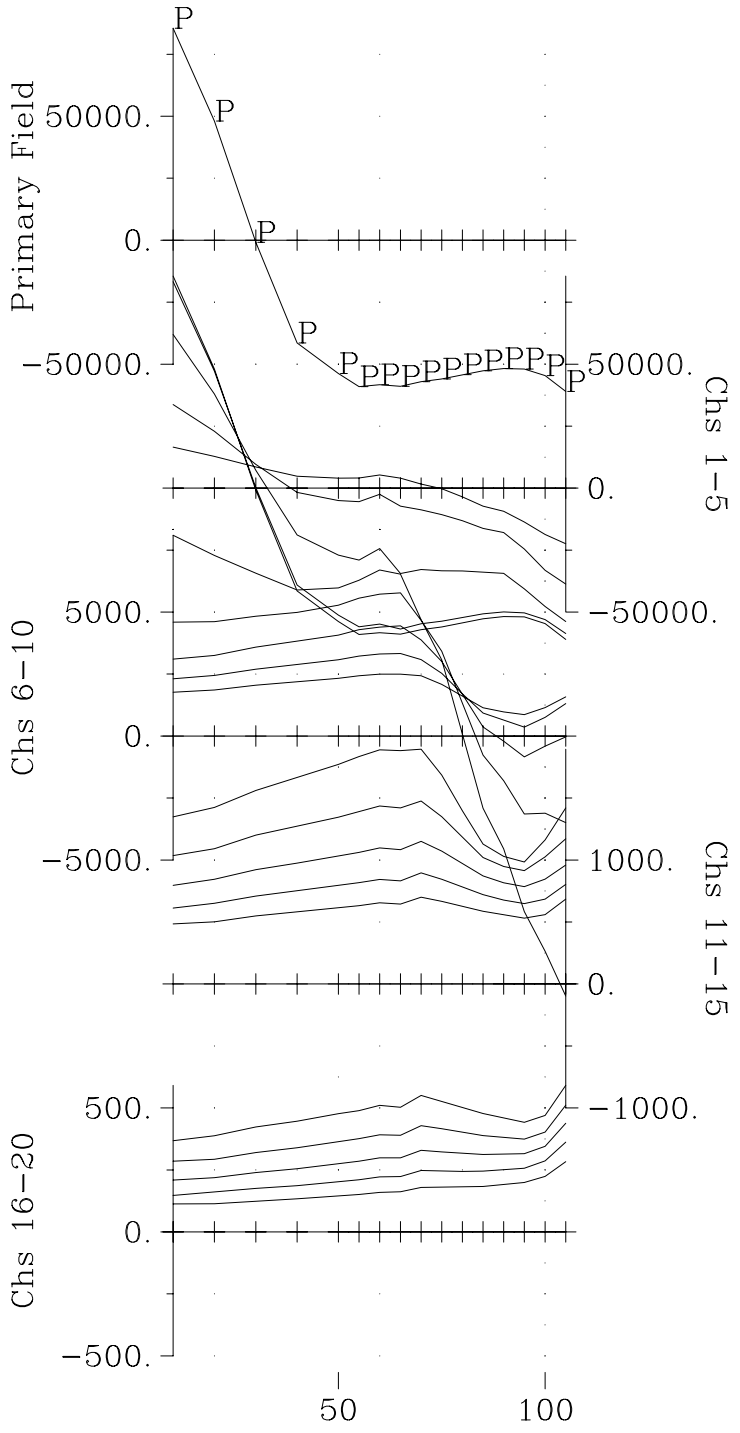
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508953, 5402544
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

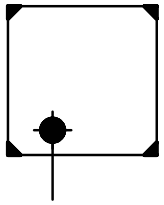
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-X-Tilt-MC08-03-E



Map Generated by



Borehole MC08−03 − X Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

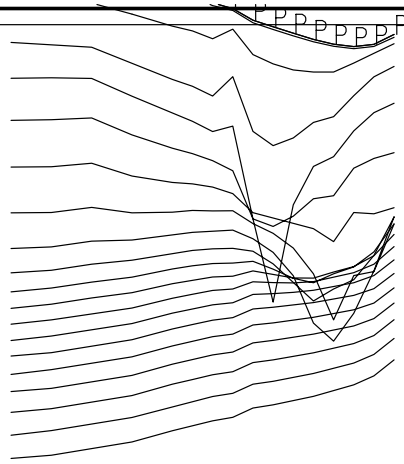
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn−Off−Time and Rx Delay:	398 us, −80 us
Borehole Location:	508953E, 5402544
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

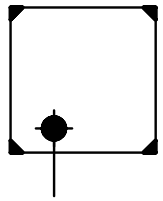
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−X−MC08−03−E



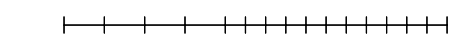


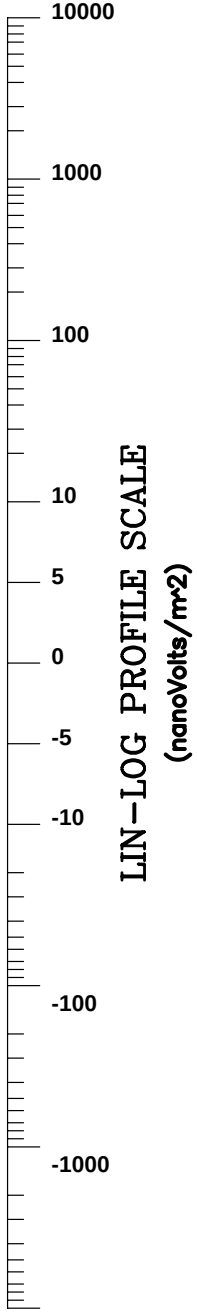
Borehole MC08-03 - Total Field

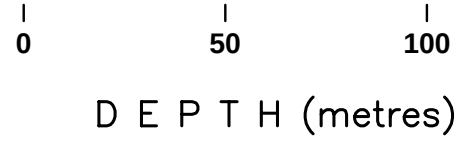
Scale 1:2000

25 0 25 50 75

(metres)







Map Generated by

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

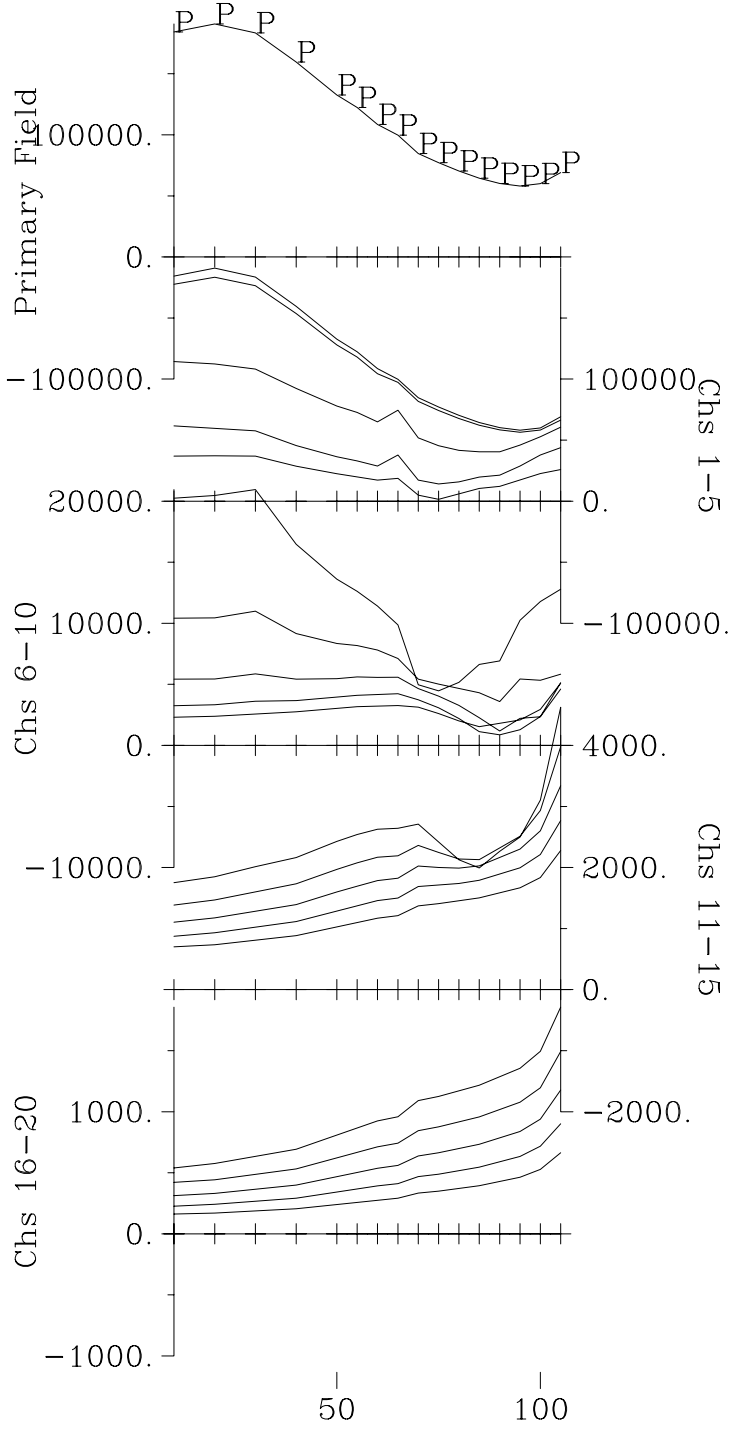
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508953, 5402544
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

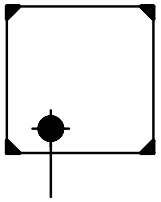
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-TF-Tilt-MC08-03-EW



Map Generated by



Borehole MC08−03 − Total Field

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

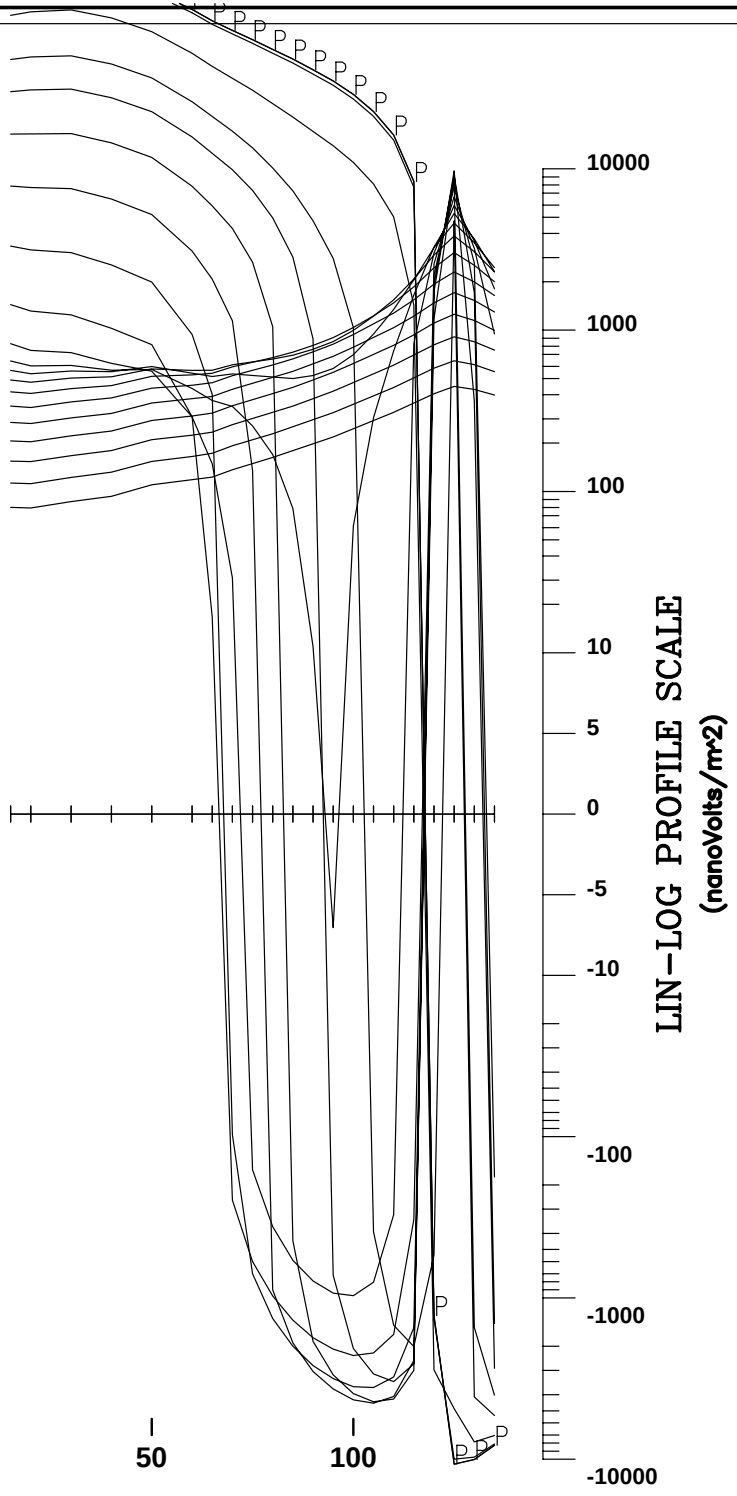
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn−Off−Time and Rx Delay:	398 us, −80 us
Borehole Location:	508953E, 5402544
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

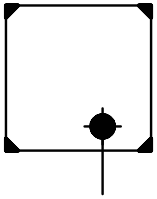
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−TF−MC08−03−E



Map Generated by



Borehole MC08-04 - Z Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

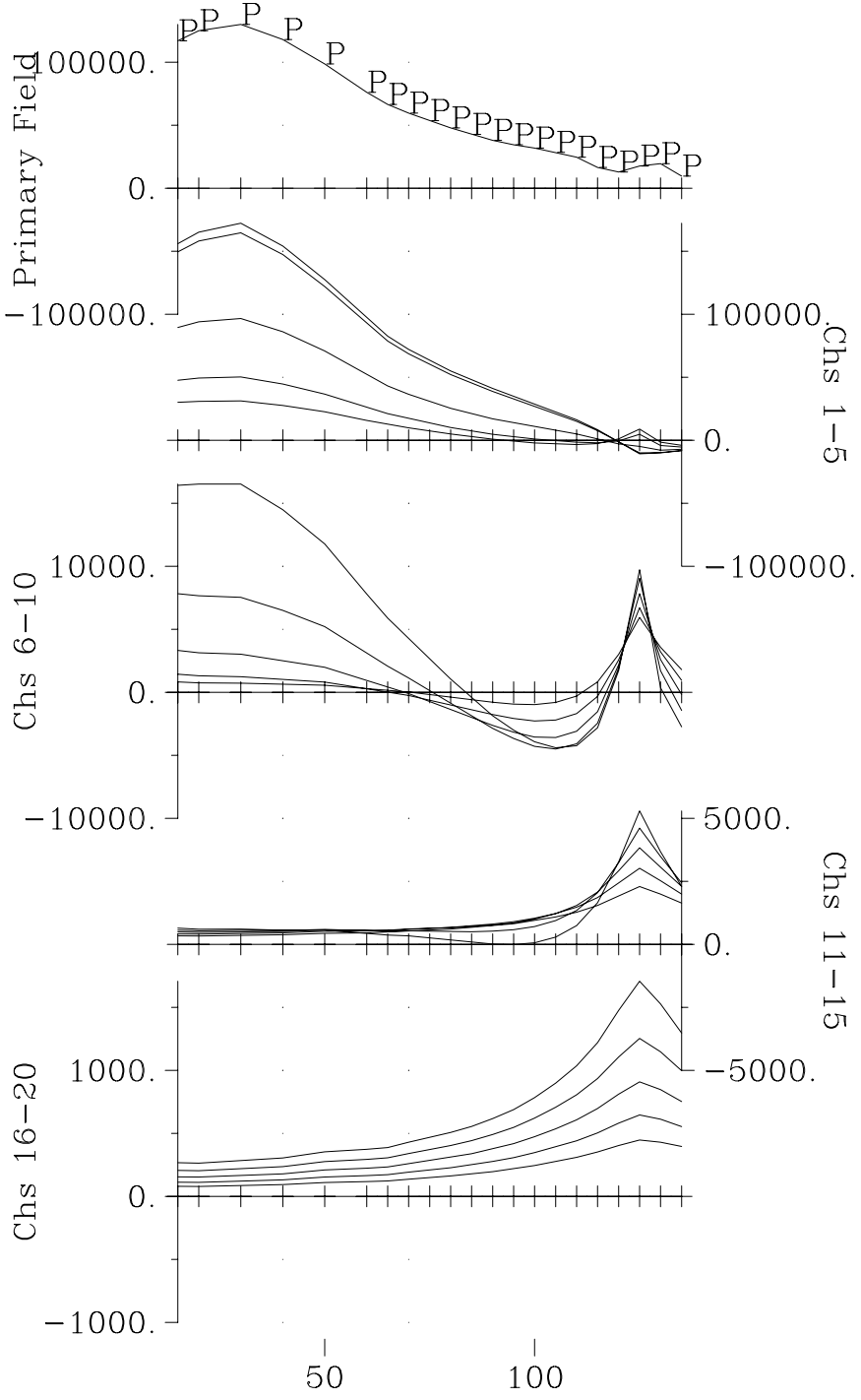
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us -80 us
Borehole Location:	509029, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

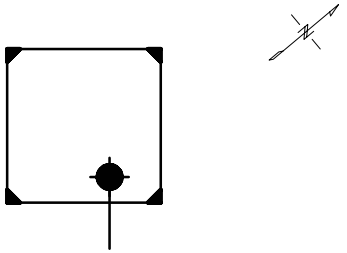
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-Z-Tilt-MC08-04-W



Map Generated by



Borehole MC08-04 - Z Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.
McCART TWP. PROPERTY
IROQUOIS FALLS, ON

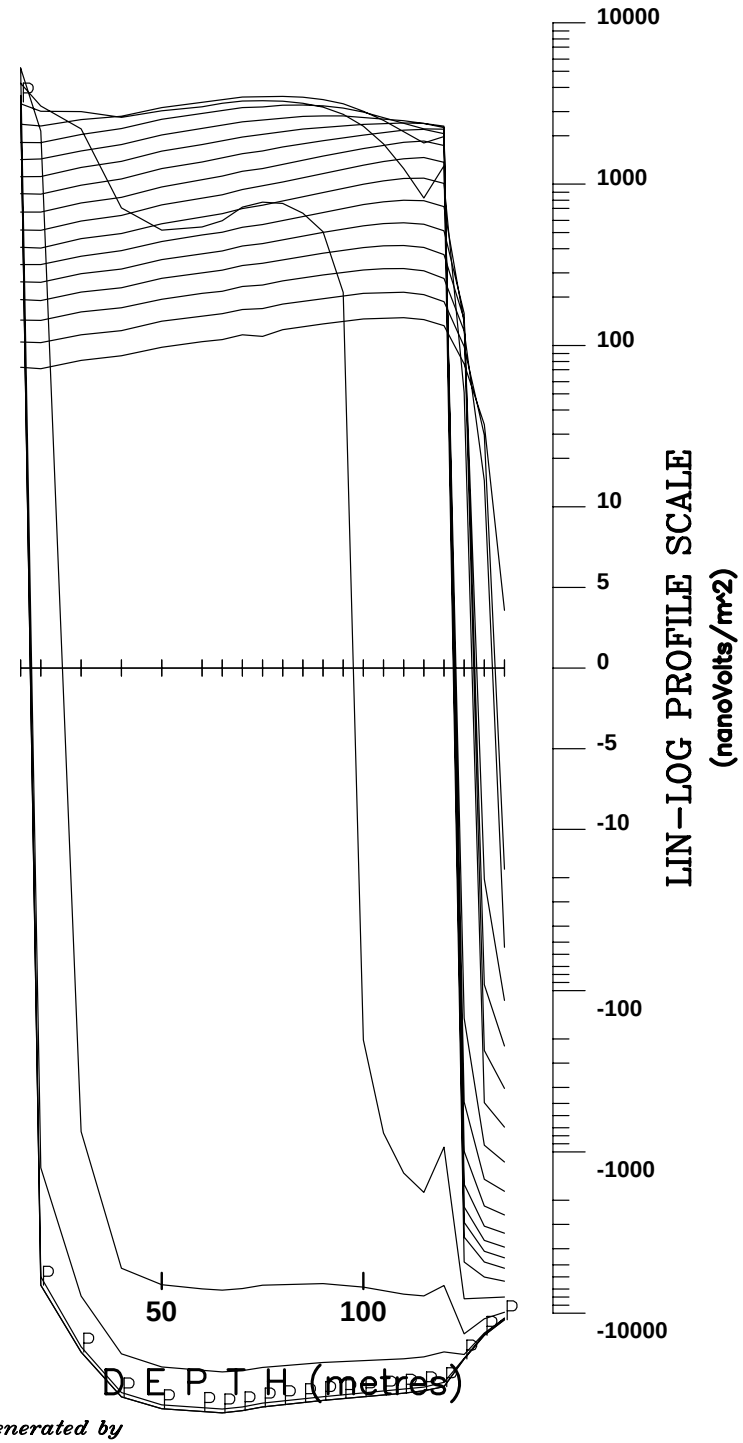
3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

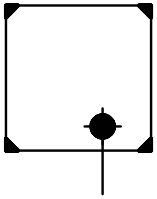
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us, -80 us
Borehole Location:	509029E, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

Surveyed & Processed by:
QUANTEC GEOSCIENCE LTD.
DWG. NO. CA00629C-BH4A-Tiltrot-Z-MC08-04-E



Map Generated by



Borehole MC08-04 - Y Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

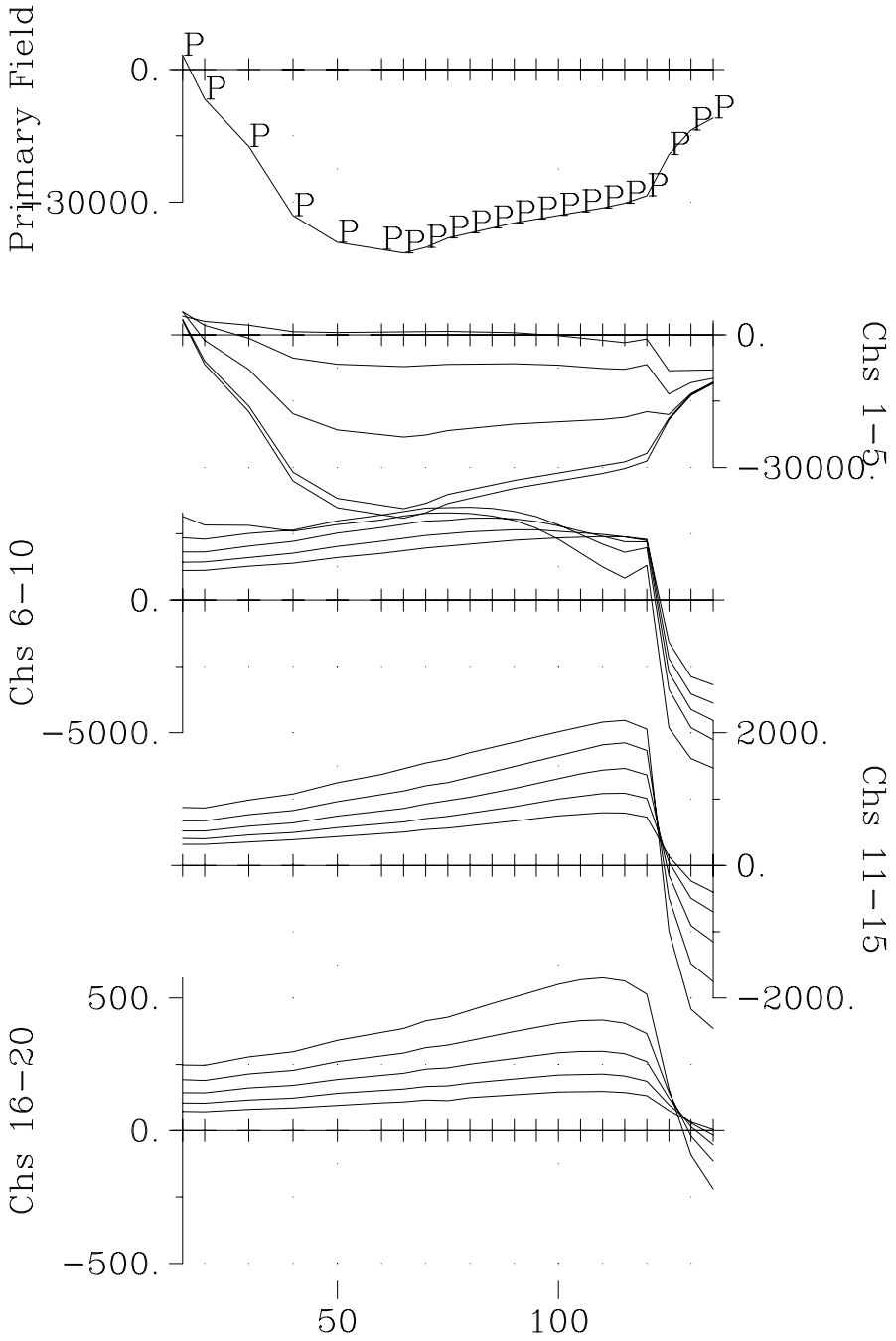
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us -80 us
Borehole Location:	509029, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

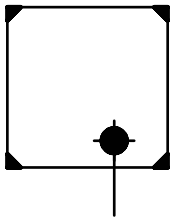
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-Y-Tilt-MC08-04-W





Borehole MC08-04 - Y Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us, -80 us
Borehole Location:	509029E, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

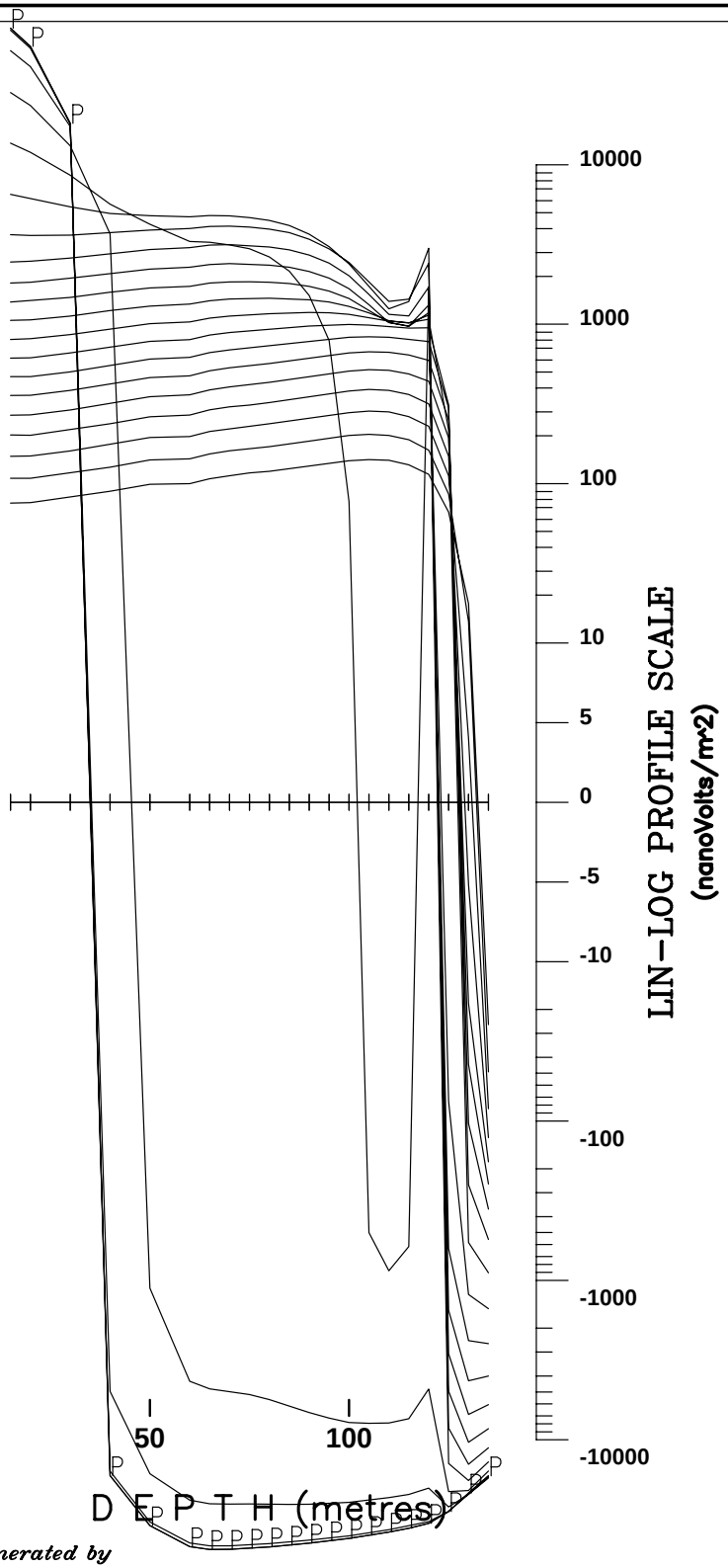
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

Surveyed & Processed by:

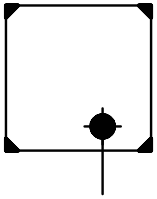
QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BH4A-Tiltrot-Y-MC08-04-W

Map Generated by



Map Generated by



Borehole MC08-04 - X Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

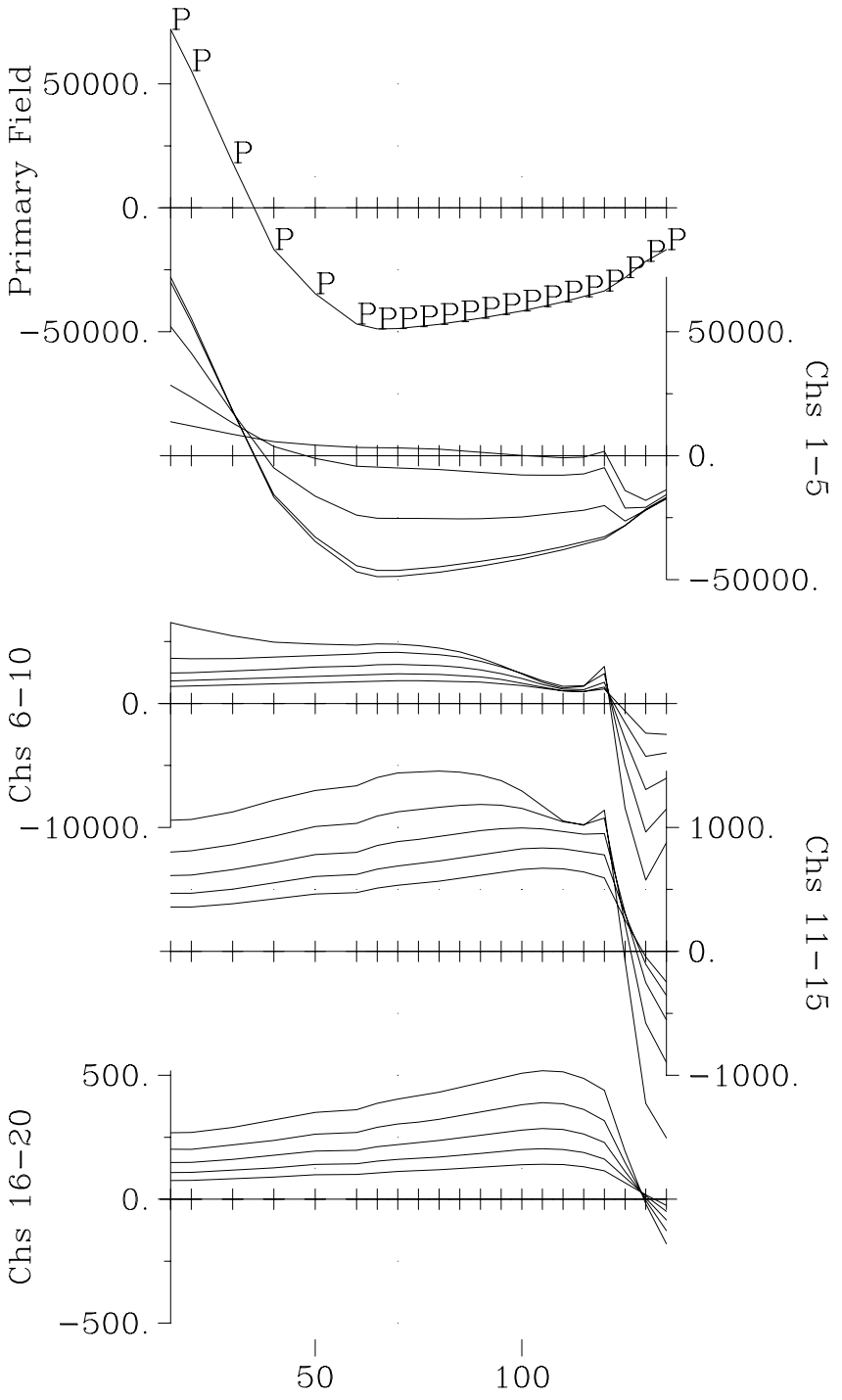
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us -80 us
Borehole Location:	509029, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

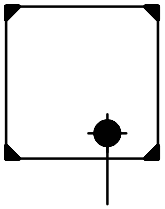
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-X-Tilt-MC08-04-W



Map Generated by



Borehole MC08−04 − X Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

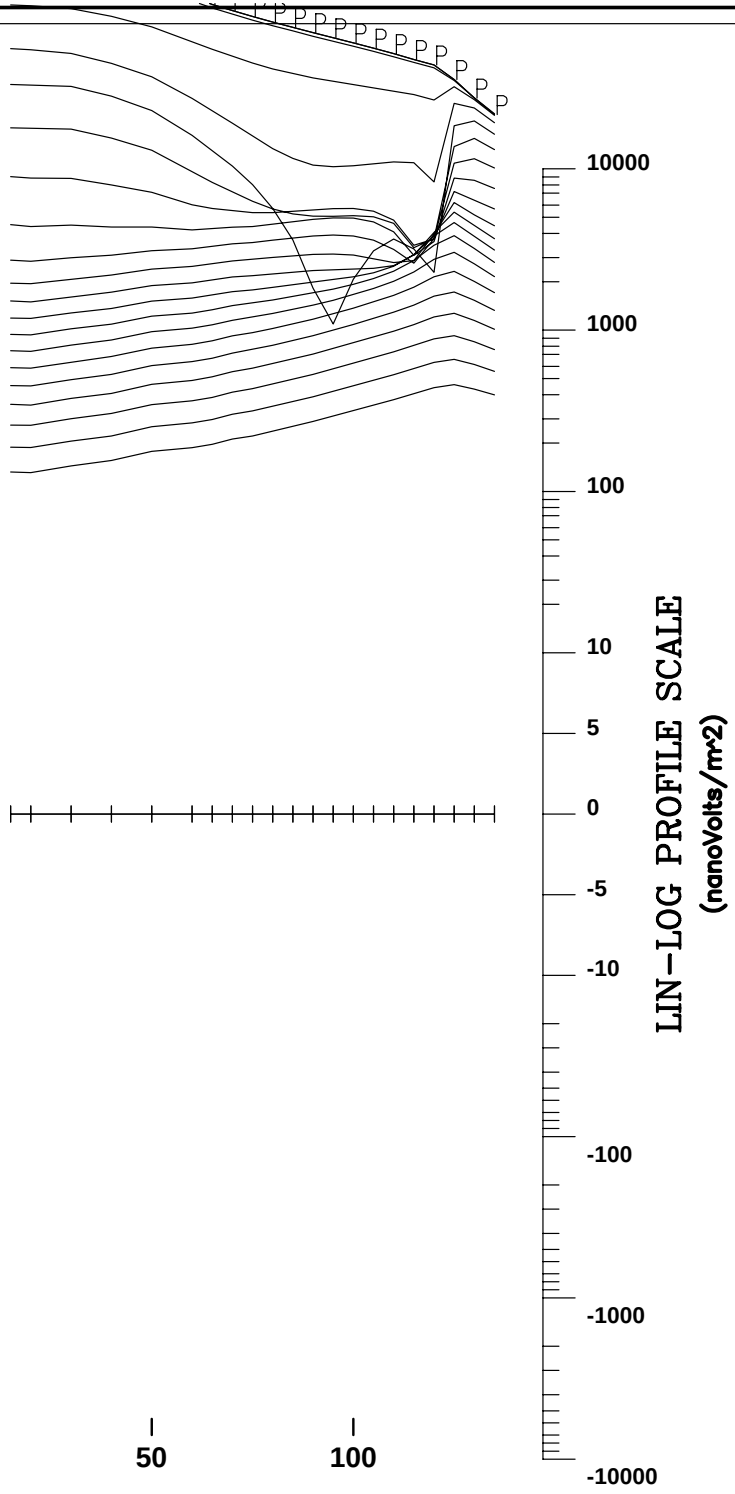
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	12 Amps
Tx Turn−Off−Time and Rx Delay:	425 us, −80 us
Borehole Location:	509029E, 5402617
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

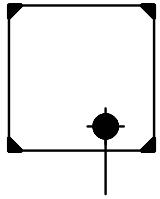
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−X−MC08−04−E



Map Generated by



Borehole MC08-04 - Total Field

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

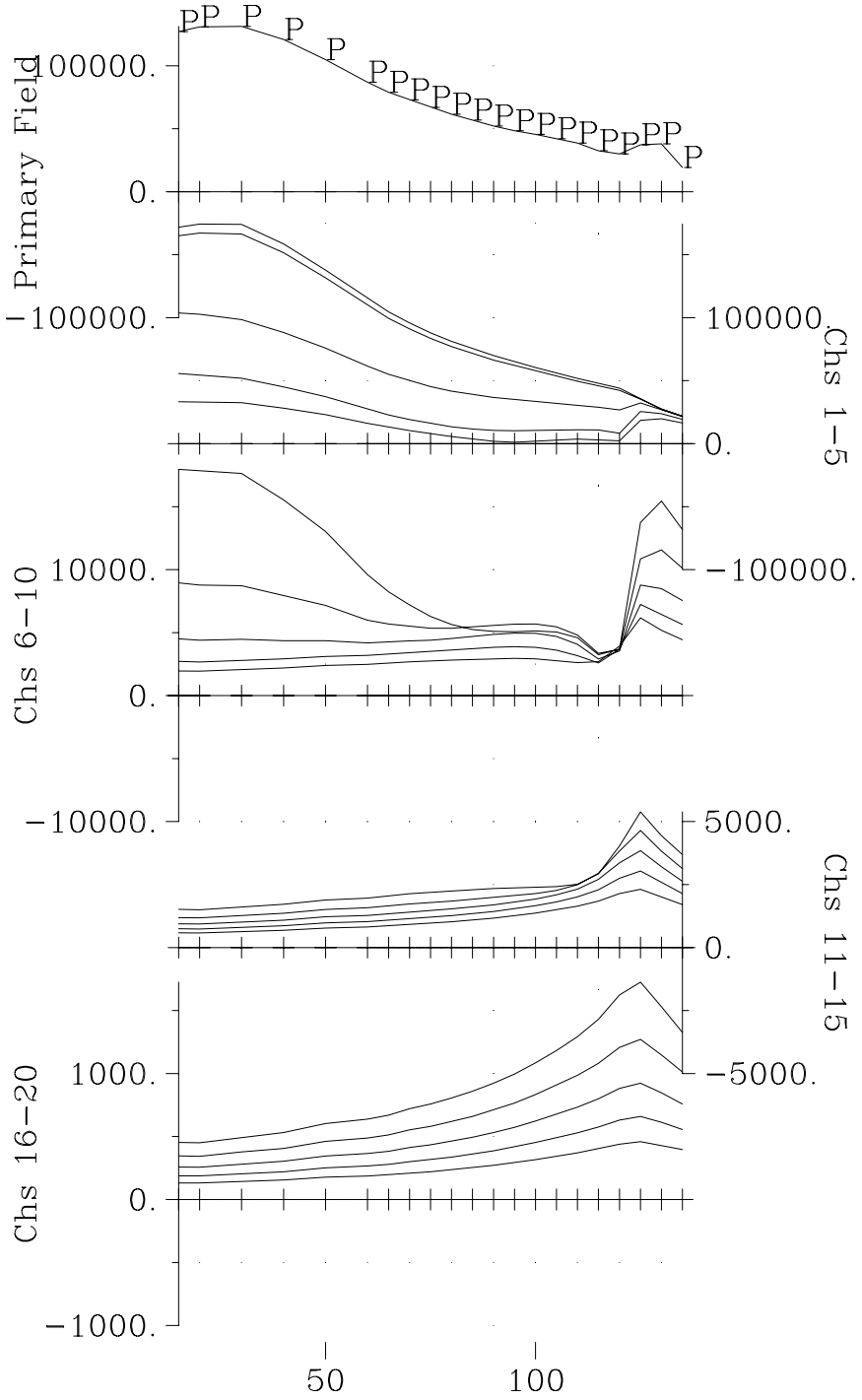
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us -80 us
Borehole Location:	509029, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

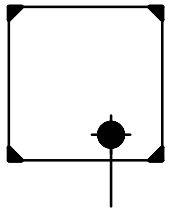
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-TF-Tilt-MC08-04-EN



Map Generated by



Borehole MC08-04 - Total Field

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

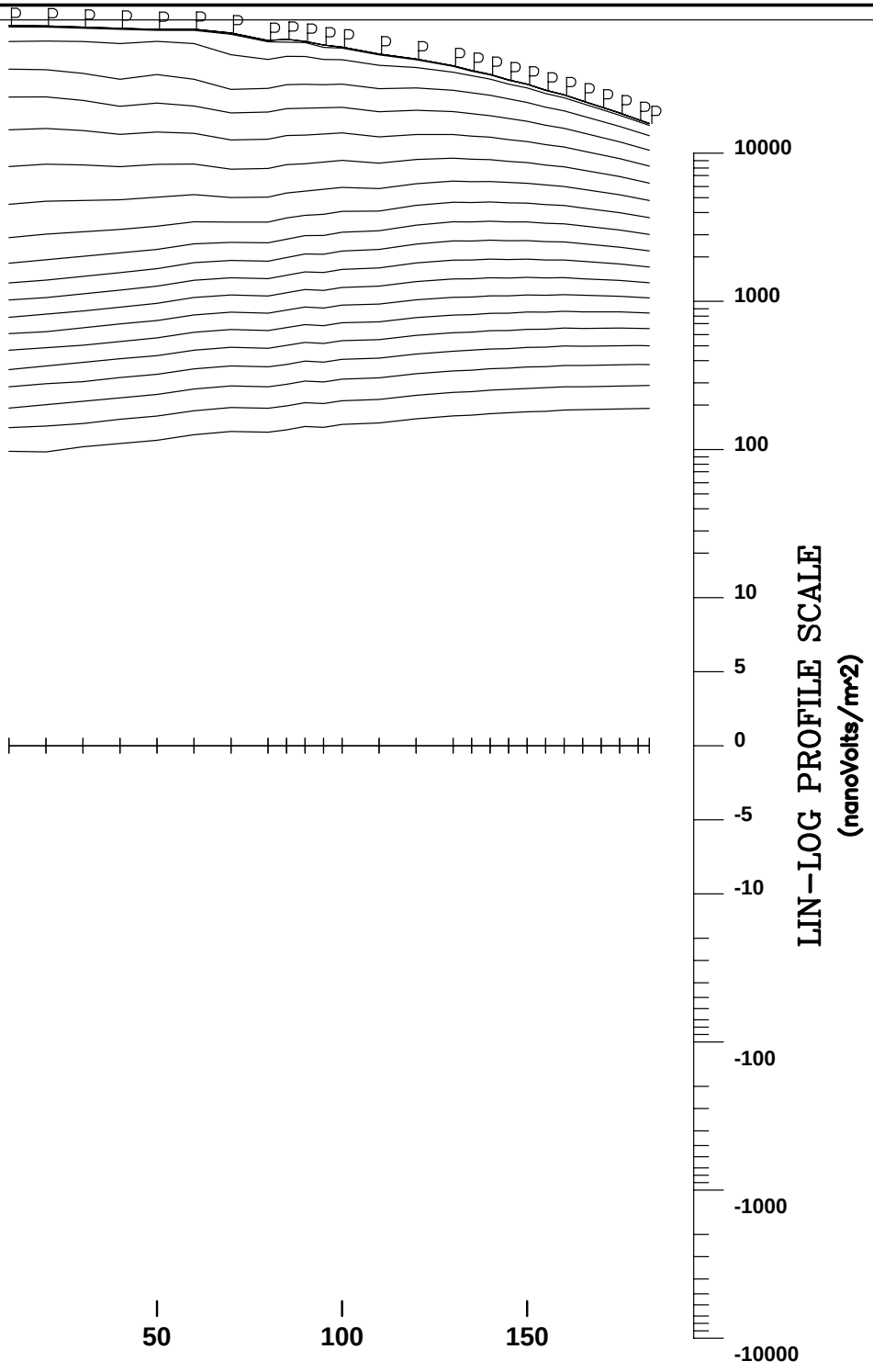
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	12 Amps
Tx Turn-Off-Time and Rx Delay:	425 us, -80 us
Borehole Location:	509029E, 5402617
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

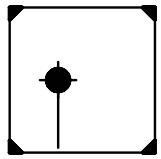
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BH4A-Tiltrot-TF-MC08-04-E



Map Generated by



Borehole MC08-05 - Z Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

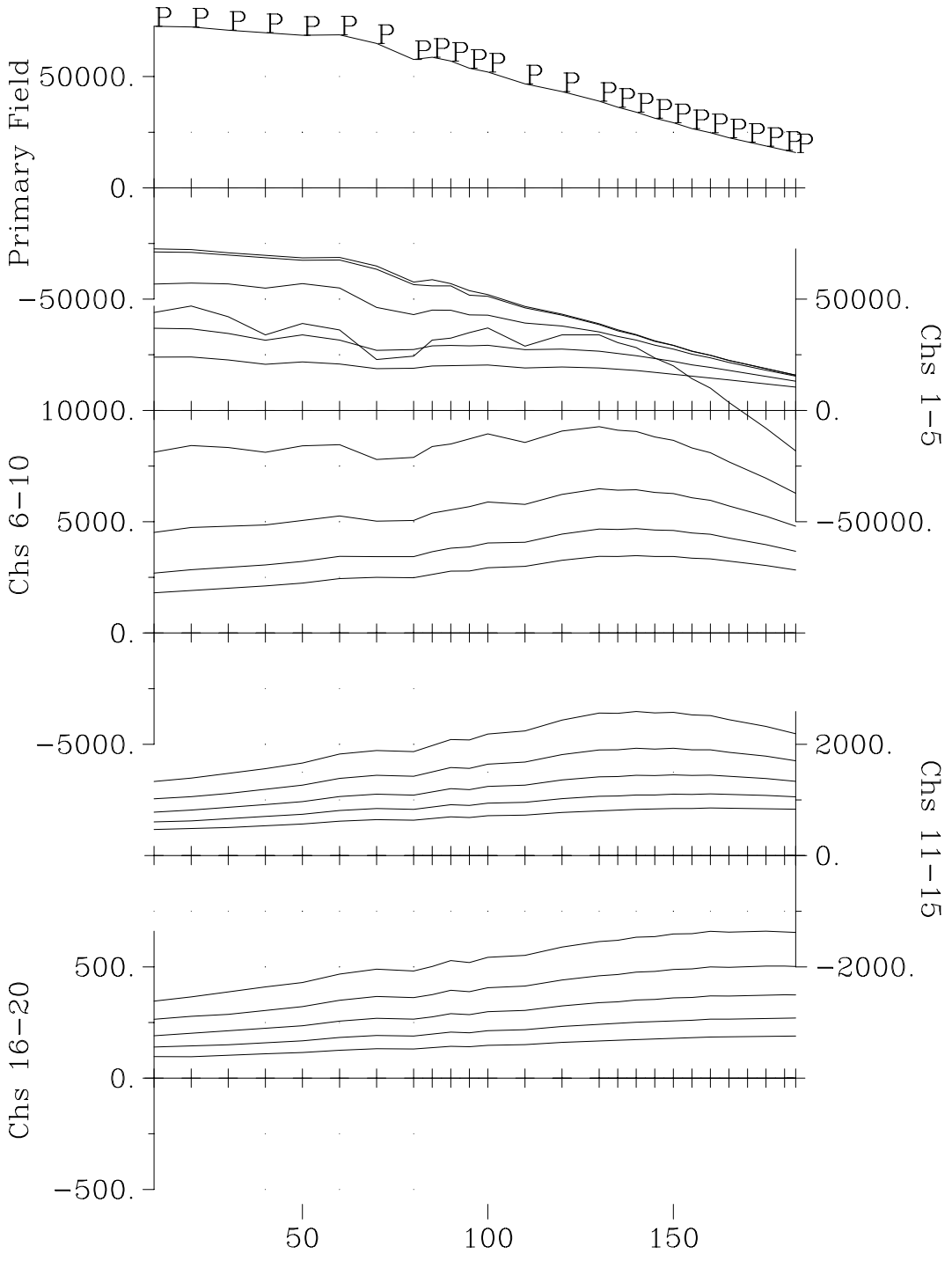
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508888, 5402637
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

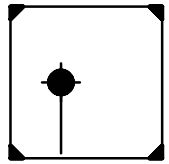
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-Z-Tilt-MC08-05-EM



Map Generated by



Borehole MC08−05 − Z Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

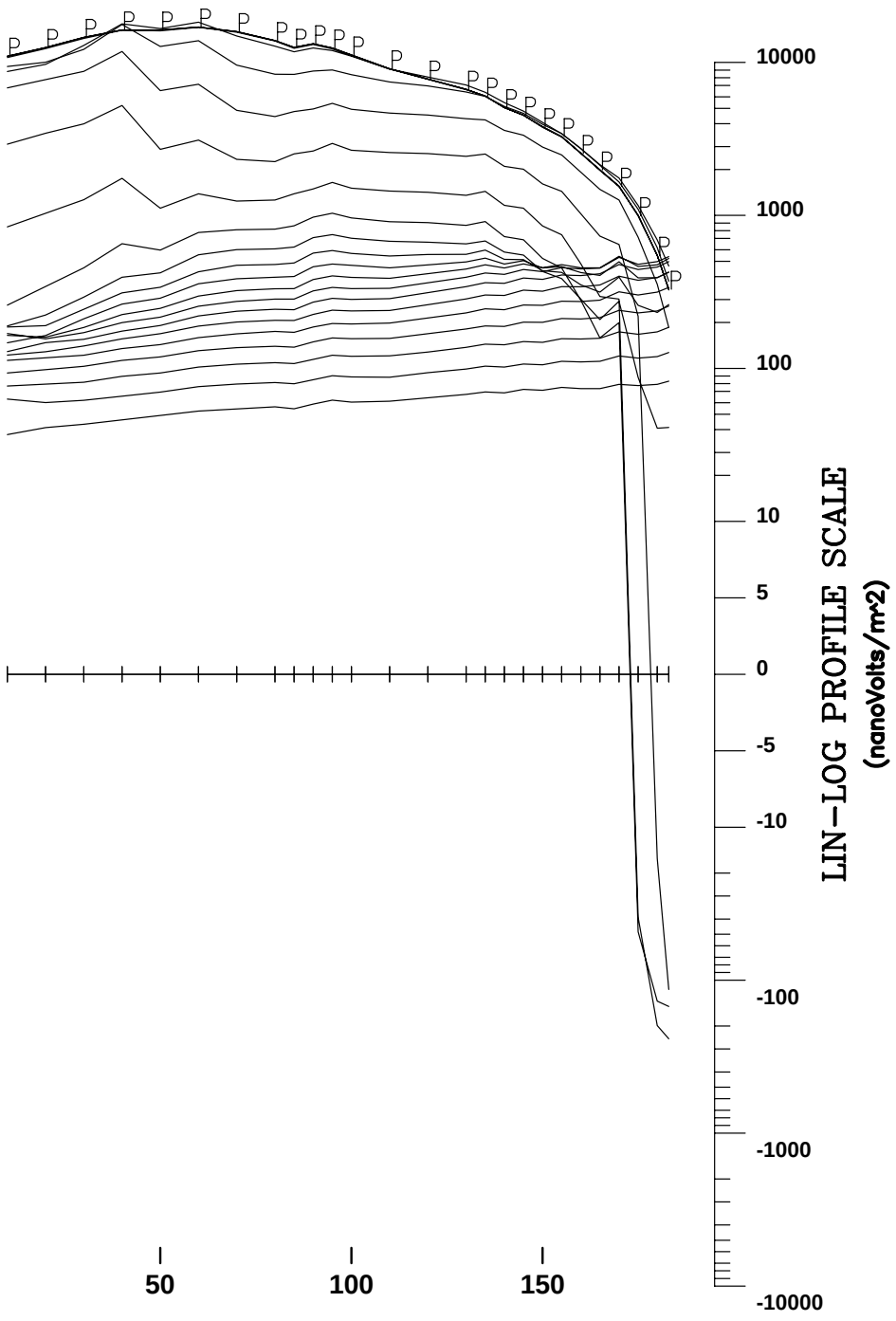
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn−Off−Time and Rx Delay:	398 us, −80 us
Borehole Location:	508888E, 5402637
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

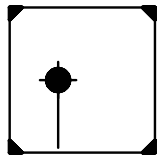
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−Z−MC08−05−E



Map Generated by



Borehole MC08-05 - Y Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

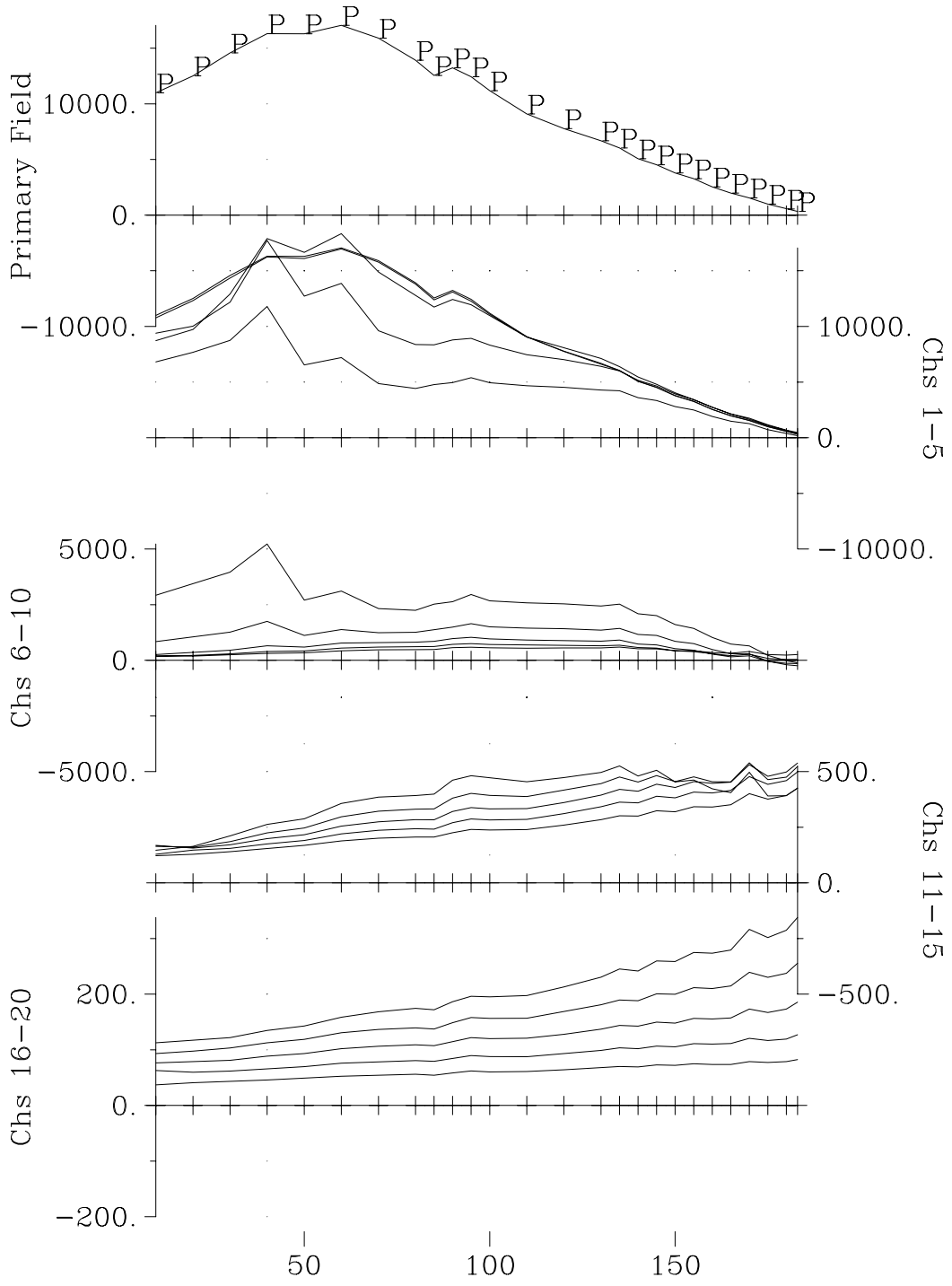
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508888, 5402637
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

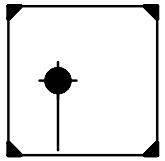
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-Y-Tilt-MC08-05-EM





Borehole MC08−05 − Y Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn−Off−Time and Rx Delay:	398 us, −80 us
Borehole Location:	508888E, 5402637
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

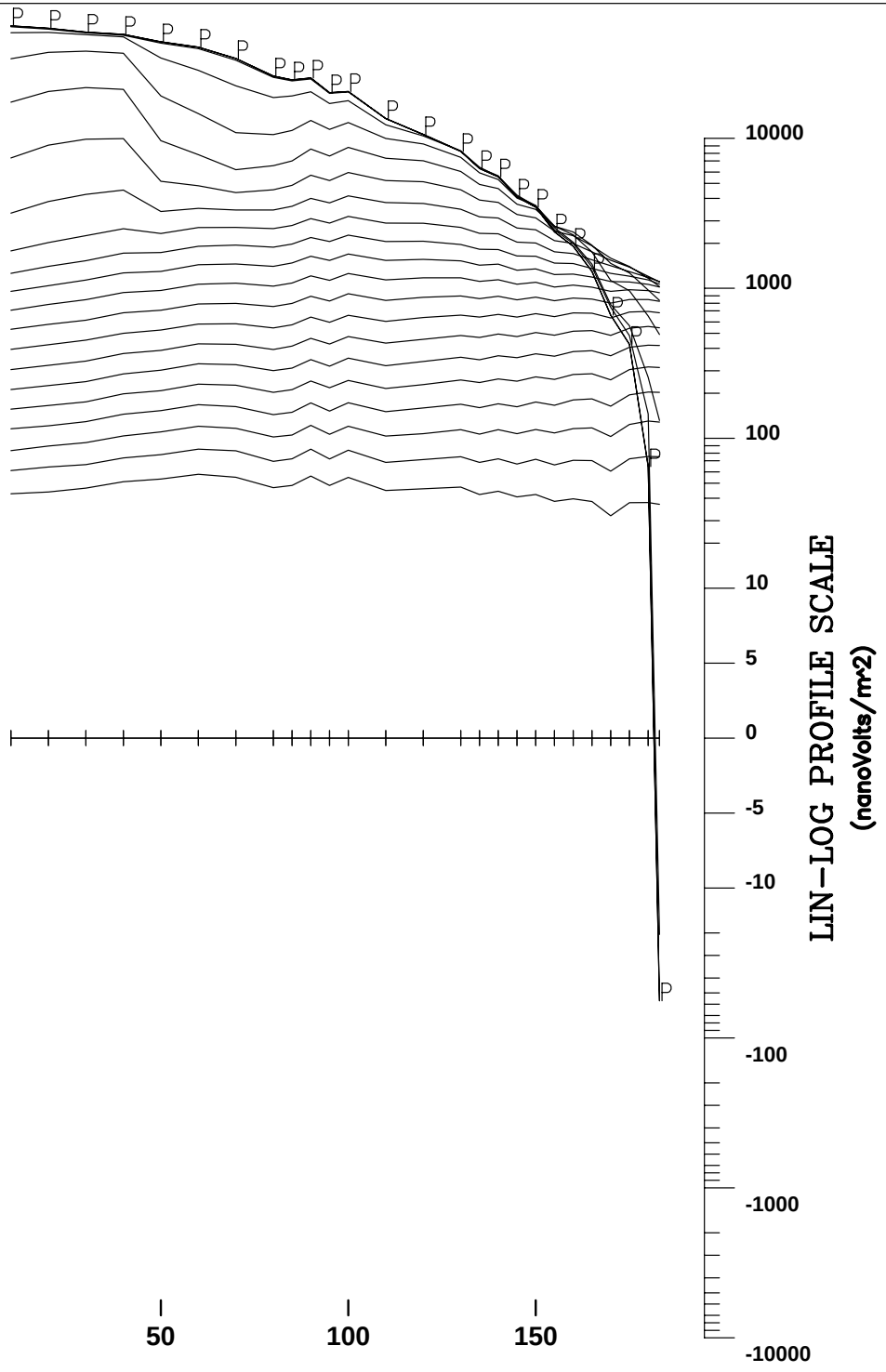
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

Surveyed & Processed by:

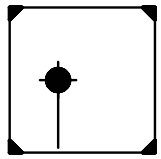
QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−Y−MC08−05−E

Map Generated by



Map Generated by



Borehole MC08-05 - X Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

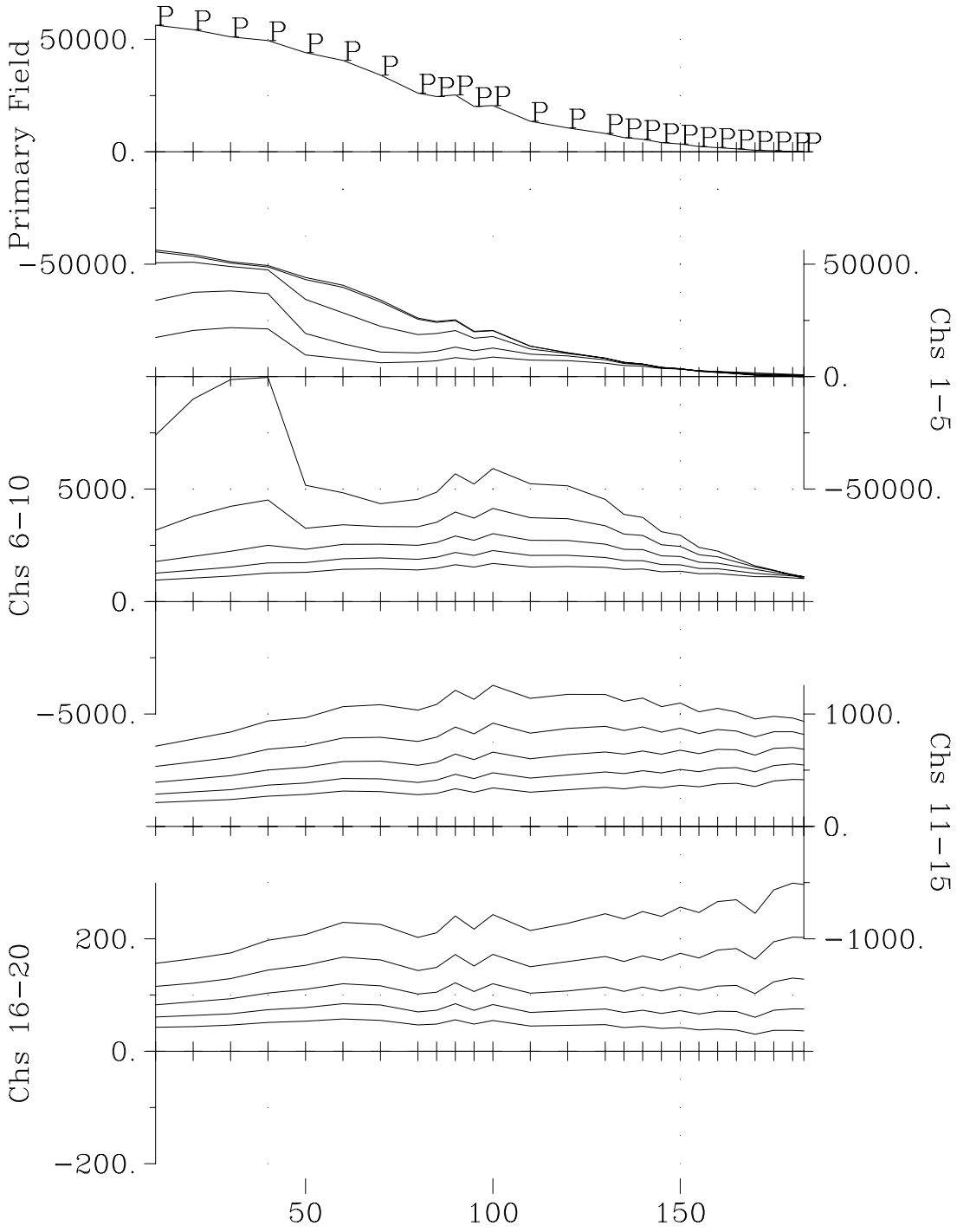
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508888, 5402637
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

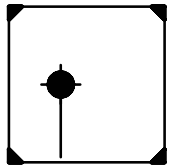
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-X-Tilt-MC08-05-E



Map Generated by



Borehole MC08-05 - X Component

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

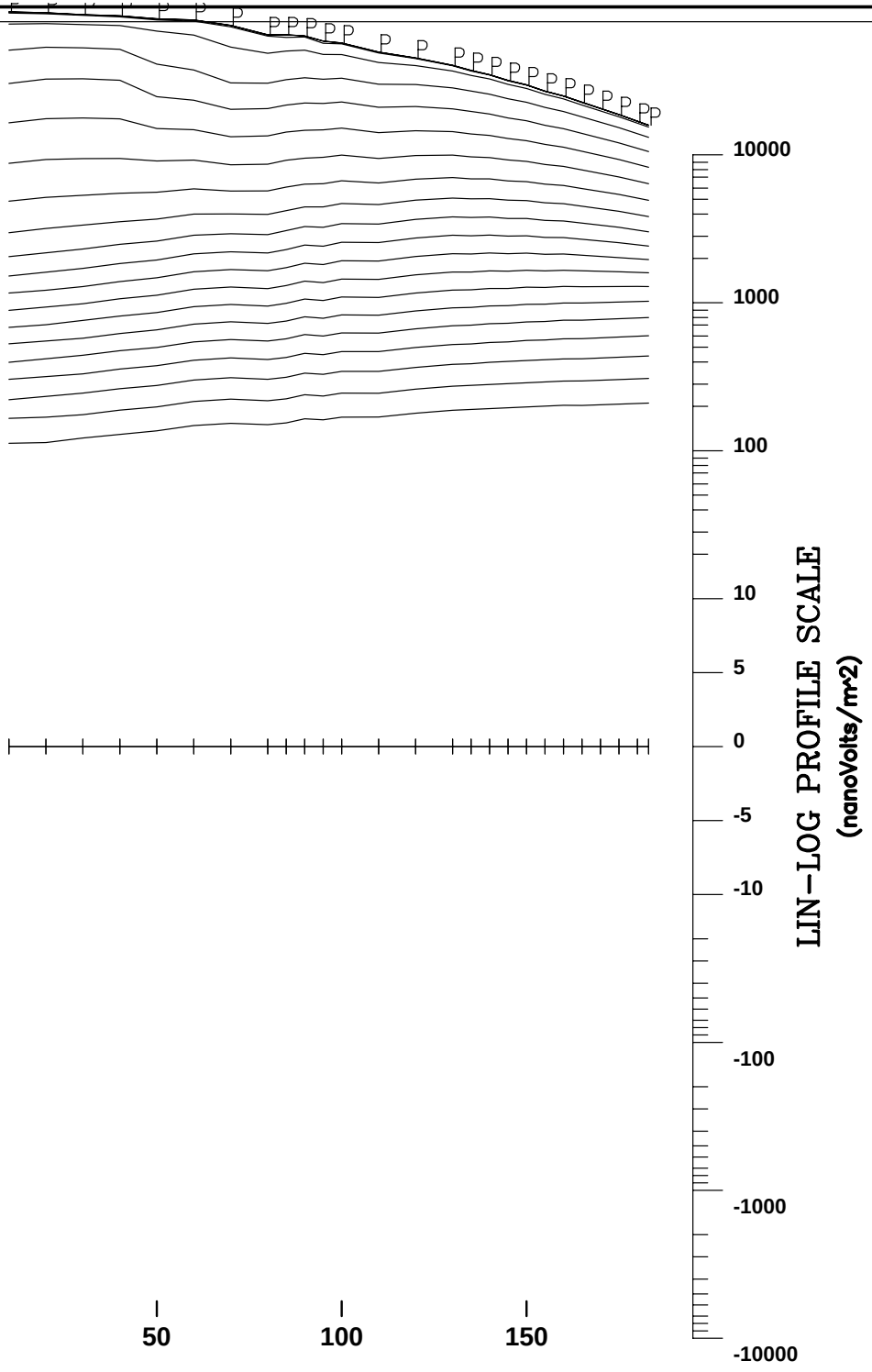
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us, -80 us
Borehole Location:	508888E, 5402637
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

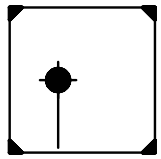
Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BH4A-Tiltrot-X-MC08-05-E



Map Generated by



Borehole MC08-05 - Total Field

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED-LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

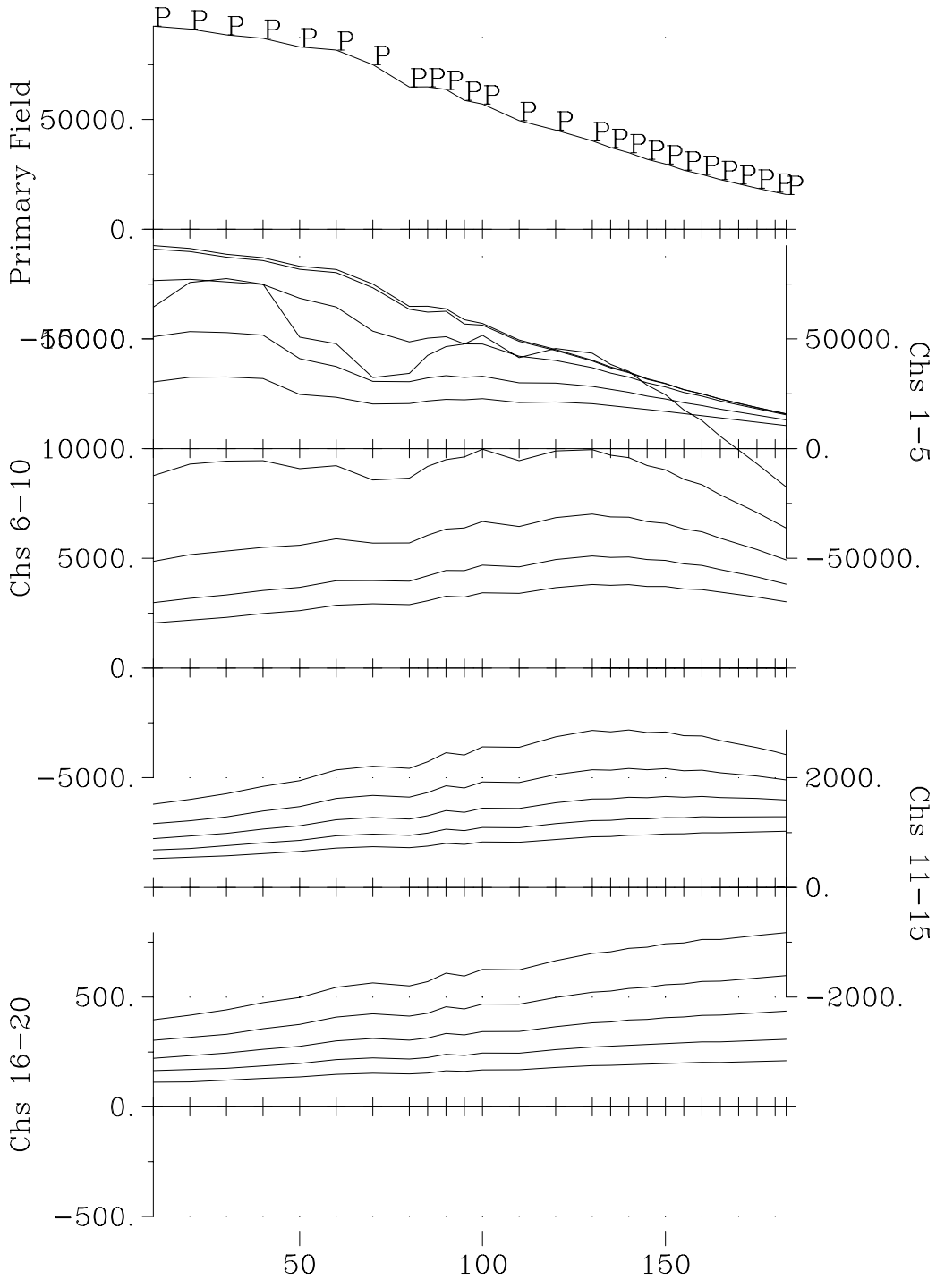
Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/657;948/881;1140,650
Transmitter Current:	11 Amps
Tx Turn-Off-Time and Rx Delay:	398 us -80 us
Borehole Location:	508888, 5402637
Borehole Azimuth, Dip:	140, -45
Station Interval:	5 - 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz - positive up
	Hx - positive southeast, Hy - positive southwest
Cross Component Rotation:	using Tilt Meter Angles

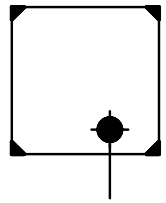
Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM-57 (1.8 kW)

Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C-BHLL-TF-Tilt-MC08-05-W





Borehole MC08−05 − Total Field

Scale 1:2000

25 0 25 50 75

(metres)

MPH CONSULTING LTD.

McCART TWP. PROPERTY

IROQUOIS FALLS, ON

3D FIXED−LOOP BOREHOLE TEM SURVEY

Secondary Electromagnetic Field (dB/dt)

Transmitter Frequency:	30 Hz (50% duty cycle)
Tx Loop Size:	300m x 300m
Tx Loop Location:	914/459;718/687;948/881;1140/650
Transmitter Current:	11 Amps
Tx Turn−Off−Time and Rx Delay:	398 us, −80 us
Borehole Location:	508888E, 5402637
Borehole Azimuth, Dip:	140, −45
Station Interval:	5 − 10 meters
Profile Units:	nanoVolt/m^2
Receiver Coil Orientation:	Hz − positive up
	Hx − positive southeast, Hy − positive southwest
Cross Component Rotation:	using Tilt Meter Angles

Survey Date:	Dec 2008
Instrumentation:	Rx = Digital Protem (3x20 Channels)
	Geonics 3D probe + 500m cable
	Tx = Geonics EM−57 (1.8 kW)

Surveyed & Processed by:

QUANTEC GEOSCIENCE LTD.

DWG. NO. CA00629C−BH4A−Tiltrot−TF−MC08−05−W

Map Generated by

Quantec Geoscience Ltd.
5825 King Street
Porcupine, ON P0N 1C0
Phone (705) 235-2166
Fax (705) 235-2255

Quantec Geoscience Ltd.

Geophysical Survey Interpretation Report

Regarding the BOREHOLE TRANSIENT ELECTROMAGNETIC SURVEYS
over the
McCART TWP. PROJECT,
near Iroquois Falls, ON,
on behalf of
MPH CONSULTING LTD.
Toronto, ON

QGL QGL QGL QGL QGL QGL

S.T. Coulson
December 2008
Project CA00629C

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF TABLES AND FIGURES

1. INTRODUCTION

- **QGL Project No:** CA00629C
- **Project Name:** McCart Twp. Project
- **Survey Period:** December 8th to 30th, 2008
- **Survey Type**: Borehole Transient EM
- **Client:** **MPH CONSULTING LTD.**
- **Client Address** 133 Richmond Street West, Suite 501
  Toronto, ON M5H 2L3
- **Representatives:** Bill Brereton, Kevin Montgomery
- **Objectives:**

  The objective of the borehole TEM survey is to determine the extent of sulphide mineralization intersected in drill holes and the existence of other conductive mineralization up to 50 meters radius of the holes.
- **Survey Type:** Interpretation

2. GENERAL SURVEY DETAILS

2.1 LOCATION

- **Township:** McCart
- **Province:** Ontario
- **Country:** Canada
- **Nearest Settlement:** Iroquois Falls
- **NTS Map Reference #:** 42A/15

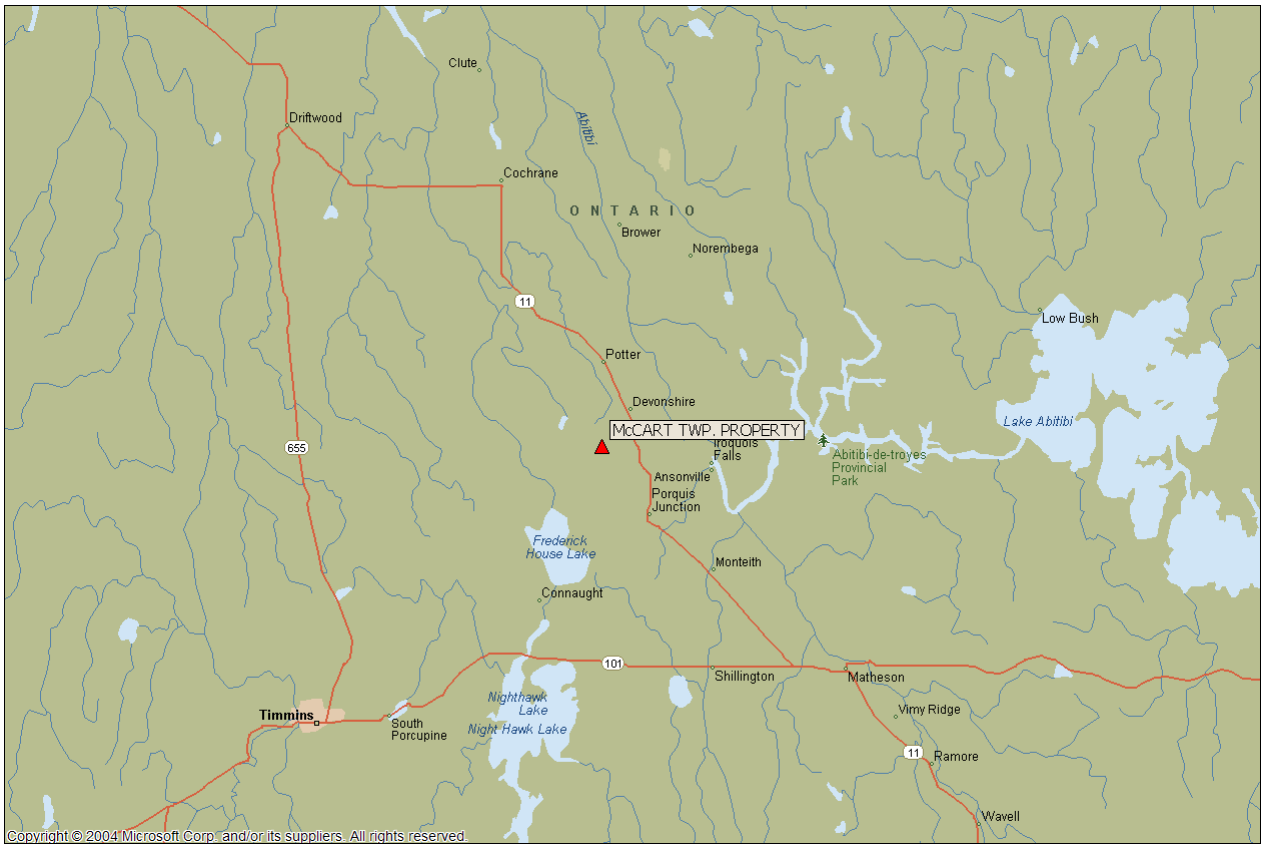


Figure 1: General Location of the McCart Twp. Project

2.2 ACCESS

- **Base of Operations:** QGL office, Porcupine, ON
- **Mode of Access:** Truck to holes

2.3 SURVEY GRID

- **Coordinate Reference System:** UTM Reference NAD83
- **Established:** na
- **Line Direction:** na
- **Line Separation:** na
- **Station Interval:** na
- **Method of Chaining:** na

3. SURVEY WORK UNDERTAKEN

3.1 GENERALITIES

- **Survey Dates:** December 8th to 30th, 2008
- **Survey Period:** 22 days
- **Survey Days (read time):** 4
- **Standby Days:** 0
- **Survey Coverage:** 390m

3.2 PERSONNEL

- **Project Supervisor:** Woody Coulson, Porcupine, ON
- **Project Managers:** Woody Coulson, Porcupine, ON
  Martin Kratochvil, Toronto, ON
- **Technicians:** Nick Hnotchuk, Timmins, ON

3.3 SURVEY SPECIFICATIONS

- **Configuration:** Borehole Profiling
- **Output Power Stage:** Low Power
- **Dimension:** 3 Component (X,Y and Z)
- **Loop Sizes and Locations:** 300m x 300m
- **Sampling Interval:** 5 and 10 meters

3.4 SURVEY COVERAGE

Hole #	Collar (NAD83)	Az/Dip	Start	End	Total (m)
MC08-03	508953E, 5402546N	140°/-45°	10	105	95
MC08-04	509029E, 5402617N	140°/-45°	10	135	125
MC08-05	508889E, 5402637N	140°/-45°	10	180	170

Table I: Borehole TEM Survey Coverage

3.5 INSTRUMENTATION

- **Receiver:** Geonics Digital Protem 30 channel capability
- **Coils:** BH43-3D Probe (100 m^2 effective area)
- **Transmitter:** Geonics EM-57 (1.8 kW output)

- **Power Supply:** Honda EU2000 motor generator (60Hz)

3.6 SURVEY PARAMETERS

Pulse repetition frequency:	30Hz
Gain:	2-5
Integration number:	15 sec
Loop Size:	300m x 300m
Current:	11 – 12 Amps
Turn-off time:	398 - 425μs
Receiver Delay	-80μs
Gate positions	80-6136μs (see Appendix C)
Synchronization mode:	Crystal

Table II: System Parameters for Borehole TEM Survey

- **Coil Conventions:** (see Appendix C)

COMPONENT	COIL ORIENTATION
Z	Positive Axially Up
X	Positive Orthogonal Up along DDH azimuth (north)
Y	Positive Orthogonal Horizontal and left of DDH axis (west)

Table III: Coil Conventions for Borehole TEM Survey

- **Measured Parameters:** dB/dt, mV.
- **Data Reduction[1]:** nanoVolts/metre^2 (nV/m^2)

3.7 MEASUREMENT ACCURACY AND REPEATABILITY

- **Number of Repeats per Station:** 0-1
- **Number of Repeats per Day:** 0-3
- **Average Repeatability:** 1-2% in early channels
- **Worst Repeatability:** 3% in early channels

3.8 DATA PRESENTATION

- **Profiles:** 1:2000 X,Y,Z components, and Total EM Field 4-axis and linlog profiles @ scale with variable vertical (profile) scales to best display data.

[1] Equivalent to Crone units of nanoTesla/second normalized to a unit current.

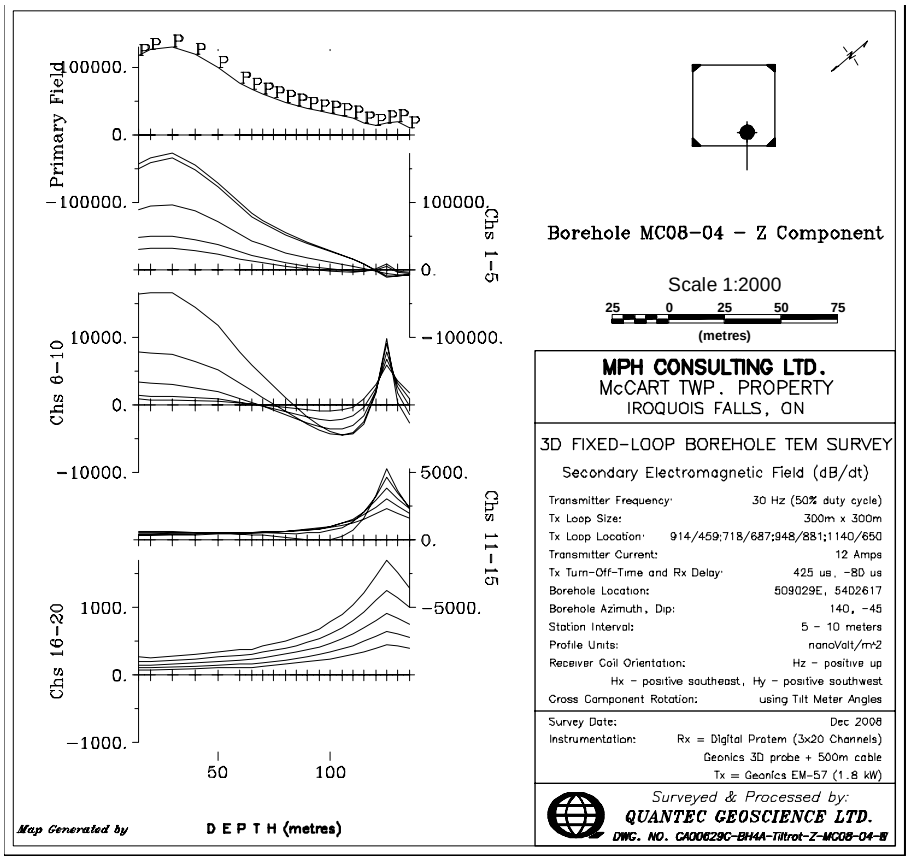


Figure 2: 4-Axis Borehole TEM Profile Format

- **Digital Data:** Daily raw files and processed data (Geosoft .XYZ format) on CD

  a) raw data dump files, according to acquisition date, (DDMMYY.RAW) (i.e. 120408.raw). Geonics Digital Protem format (refer to Protem manual)

  b) reduced XYZ ASCII data files, according to line/hole number and component (i.e. cp809kt.xyz where, k=component – Z, X, Y or T for Total Field and t gate group – e for Ch 1-10 and l for Ch 11-30).

  Column 1: N-S Line/E-W Station number
  Column 2: E-W Station/N-S Line number
  Column 3: Primary pulse (nV/m^2)
  Column 4: Channel 1 secondary rate of decay of TEM field (nanoVolt/ampere*m^2)
  Column 5: Channel 2
  ⇓
  Column 23: Channel 20 secondary rate of decay of TEM field (nanoVolt/ampere*m^2)

4. SURVEY RESULTS

Borehole TEM surveys were carried out in three (3) drill holes MC08-03, 04 and 05. All three holes were logged from a single common, 300m x 300m to provide optimum coupling with the expected targets. Details concerning the bedrock geology and the full extent of exploration on the property are limited by the present author and, as such, this interpretation is based solely on the TEM survey results.

Hole MC08-03

Hole 3 was not logged in its entirety due to a blockage at 105m in the hole. The TEM log suggests the hole may have tested the centre portion of a very strong conductor beyond the logged portion of the hole, however the response is incomplete. A sulphidic/graphitic argillite noted in the geologic log from 106m – 139m is the probable source. Due to the incomplete response it is difficult to determine if any improvement in thickness or conductance exits.

A weak (11 channel) off-hole response is evident at 80m in the hole. A positive to negative response in both the Hx and Hy components indicates the source of this conductor lies within 10m below (down dip) and right (southwest) of the drill hole.

Hole MC08-04

Hole 4 was also not logged to the bottom due to a blockage at 135m in the hole. The TEM log indicates the hole has tested the centre region of a very strong conductor at 125m which corresponds to graphitic argillite in the geologic log. Based on the cross components, any improvement in thickness or conductance will be below (down dip) and right (southwest) of the drill hole.

Hole MC08-05

Hole 5 was logged successfully to the bottom. The TEM log shows a building strong response in all components at the end of the hole suggesting a possible conductor beyond. It is not possible to determine if the hole would intersect the conductor if extended.

5. CONCLUSIONS AND RECOMMENDATIONS

The borehole TEM surveys over the McCart property were successful in detecting conductors in all holes. Although holes 3 and 4 could not be completely logged the sources of the responses appear to be explained by mineralization noted in the geologic log. A weak off-hole conductor was delineated in hole 3, however this is considered a low priority target. Consideration should be given to extending hole 5 to determine the possible source of the building response at the bottom of that hole.

It is recommended that borehole TEM surveys be used in any future or follow-up drilling to characterize mineralization tested in holes and to determine the existence of any conductors located within a 25m to 100m radius of the drill hole.

RESPECTFULLY SUBMITTED
QUANTEC GEOSCIENCE LTD.

S.T. Coulson, P.Geo.
Senior Geophysicist

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, Sherwood T. Coulson, hereby declare that:

1. I am a consulting geophysicist with residence in Porcupine, Ontario and am presently employed in this capacity with Quantec Geoscience Inc. of Porcupine, Ontario.

2. I am a graduate of Cambrian College, Sudbury, Ontario in 1974 with an Honours Diploma in Geophysical Engineering Technology.

3. I am a practicing member of the Association of Professional Geoscientists of Ontario (Member #0944) since 2003.

4. I have practiced my profession in Europe and North and South America continuously since graduation.

5. I am a member of the Canadian Society of Exploration Geophysicists and the Prospectors and Developers Association.

6. I have no interest nor do I expect to receive any interest, direct or indirect, in the properties or securities of **MPH CONSULTING LTD.**

7. I supervised the survey execution and reviewed the data as it was collected. I am the author of this report and I interpreted the data. The statements made by me represent my best opinion and judgment based on the information available to me at the time of the writing.

Porcupine, ON
December 2008

S.T. Coulson, P.Geo.
Senior Geophysicist

APPENDIX B

THEORETICAL BASIS AND SURVEY PROCEDURES

TEM SURFACE AND BOREHOLE PROFILING

TEM profiling is conducted on lines either adjacent to (Off-Loop mode) or surrounded by (In-Loop mode) a large fixed rectangular transmit loop. Current is passed through the loop which following the Turn-Off, produces a primary magnetic field (H) both inside and outside (Figure B1). This primary field induces vortex current patterns, which energize conductors and which in turn create their own secondary magnetic field (Bs). The rate of change of the decaying secondary magnetic flux (dBs/dt) is measured as the vertical (**Hz**), in-line horizontal (**Hx**) and/or cross line horizontal (**Hy**) vector components on surface using an air-core sensor coil. These measurements of the TEM decay (20 log-time slices) are taken during the "Off-Time", using a 30 cycle/sec, base repetition rate.

In keeping with the industry standard, the primary field is always considered positive up inside the loop and negative down outside. Similarly, for secondary EM fields, the receiver coil is oriented positive vertical up for the **Hz** component**.** The convention for In-Loop surveys, has the in-line component, **Hx** oriented either positive east (for grid EW lines) or north (for grid NS lines). The Off-Loop survey convention differs, with the receiver coil orientation for **Hx** pointing positive away from the transmit loop (for EW or NS lines). Finally, the sign convention in all cases, has the **Hy** component pointing positive orthogonal to the left of the **Hx,** according to the right-hand-rule.

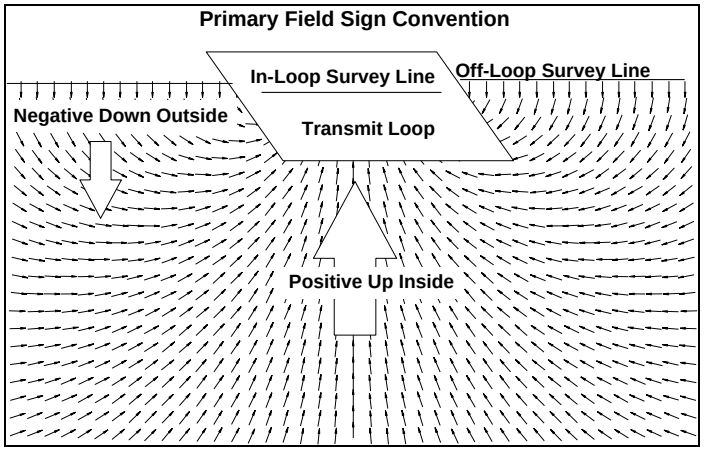


Figure B1: Primary field sign convention for TEM surveys.

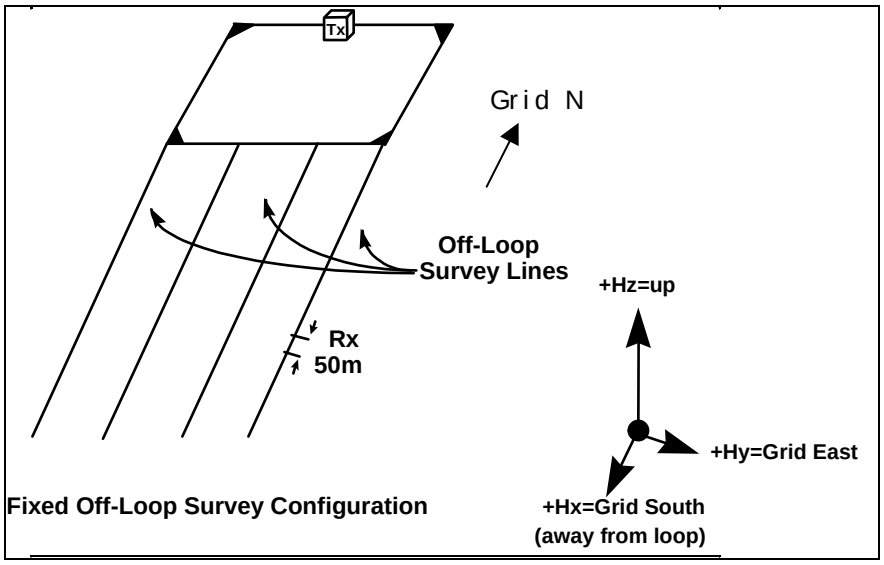


Figure B2: Loop Configuration and Polarity Conventions for Off-Loop Profiling Surveys

The borehole survey is particularly useful to determine the geometrical relationship between a conductor or a complex swarm of conductors around the drill hole. Of particular importance is its application in cases where the drilling is believed to have missed the target of interest. A 3-D borehole survey can effectively determine the direction and distance from the drill hole to the conductor by measuring two orthogonal secondary field components in addition to the axial component. Additionally, conductors located below the end of a drill hole, which either may be too deep and/or have gone previously undetected from surface, may be discovered during the course of a borehole survey.

The probe is manually lowered down the borehole at the end of a cable and, at successive depths, measurements of three (3-D) orthogonal components of the TEM field (Hx, Hy, Hz) are individually obtained in succession by electronically switching the sensor coils in the borehole antenna through the use of a relay/switching system from surface, via the borehole-cable shield. As the probe is free to rotate on its vertical axis, a correction is later applied to the 3-D data in order to rotate the components into their respective coordinate axis.

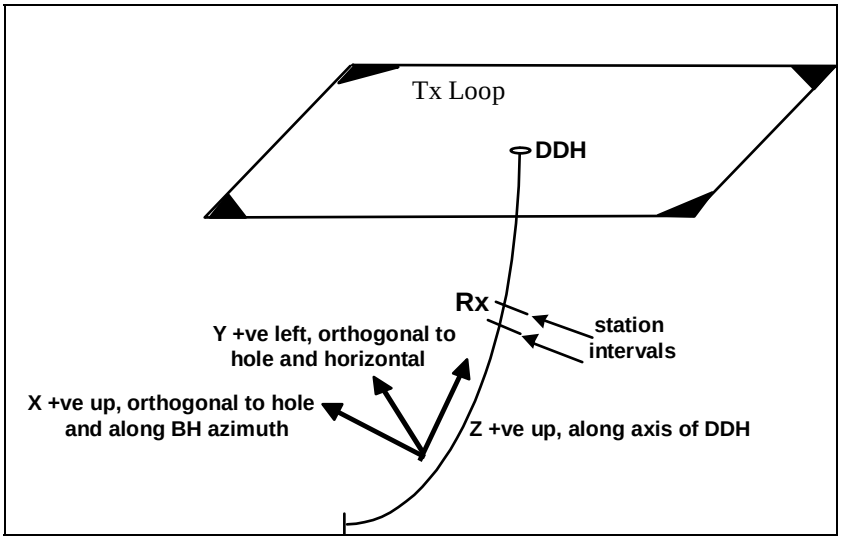


Figure B3: Loop Configuration and Polarity Conventions for 3-D Borehole Surveys

The secondary fields induced decay at a rate proportional to the conductivity-thickness and are then measured and profiled by the borehole sensor-probe.

a) Hz is positive up along the axis of borehole,
b) Hx is positive perpendicular to the borehole axis and pointing upward, in a vertical plane, in the direction

of the azimuth of the hole,

c) Hy is positive 90° counterclockwise to Hx and horizontal, according to the right-hand rule.

At the end of each survey day, the stored data are transferred to a microcomputer where they corrected for the turn-off time, loop area, system gain and current, and converted from millivolts to nanoVolts per ampere meter squared or nanoVolts per meter squared. The data are then transferred to disk for storage and processing. Report quality field plots are generated on site, using a 24-pin printer in order to monitor the data characteristics and to provide a preliminary interpretation capability.

The following equations govern the transient EM response for buried plate-like conductive bodies[1]

$$emf = \frac{1}{\tau} e^{-t/\tau}$$

Target Response to Transmitter Current Waveform: *where:* t = *fixed time*, e = *exponential decay*, τ = *time constant of conductor*

Equation 1: Conductor Response to the Transient EM Waveform

The time constant of the response is alternatively defined as the slope of the lin-log decay curve (Geonics) or, more exactly, as the time channel where the amplitude of the decay collapses to 37% (1/e) of its maximum value. Both τ and the analogous decay strength (i.e., the number of anomalous channels above background), are commonly used as indicators of conductor quality. This relationship between decay-strength and the conductivity-thickness can easily be demonstrated in the following equation for a vertically dipping conductive sheet:

$$\tau = \frac{\sigma \mu t h}{\pi^2} \quad \textit{for a thin plate}$$

where σ = *conductivity of target*, μ = *magnetic susceptibility*, t = *thickness of plate*, h = *vertical extension of plate*

Equation 2: Transient EM Decay Time Constant

[1] From Geonics Limited, EM-37 TEM System Design Parameter, Mississauga, Ont., 1982.

thereby giving, for an infinite vertical sheet:

$$\sigma t = \frac{\pi^2}{\mu h}\,\tau \approx \tau / 0.31 \quad mhos / metre\ (siemens)$$

Equation 3 Conductivity Thickness

From these equations and relationships, it therefore becomes obvious of the common use of the anomaly strength of decay as a simple, rule-of thumb indicator of the relative conductivity-thickness product for TEM surveys.

In addition, the total secondary field is calculated using the three components (Hx, Hy and Hz) in the following formula

$$Htot = \sqrt{Hx^2 + Hy^2 + Hz^2}\, nanoVolt / Am^2.$$

Equation 4: Transient EM Total Secondary Field

APPENDIX C

INSTRUMENT SPECIFICATIONS

Geonics Limited
Digital Protem Ground Transient Electromagnetic System
Technical Specifications

Receiver

Measured Quantity: Time rate of decay of magnetic flux along 3 axes

Sensors:

1. (L.F.): Air-cored coil of bandwidth 60 kHz; 100 cm diameter
2. (H.F.): Air-cored coil of bandwidth 850 kHz; 100 cm diameter
3. (3D-3): Three orthogonal component sensor; simultaneous operation
4. (3D-1): Three orthogonal component sensor; sequential operation

Time channels: 20 geometrically spaced time gates for each base frequency gives range from 6 μsec to 800 msec.

Repetition Rate: 0.3 Hz, 0.75, 3, 7.4, 30, 75 or 285 Hz for 60 Hz power-line networks (Base Frequency)

Synchronization: 1) reference cable.
2) high stability (oven controlled) quartz crystals. (Switch selectable)

Integration time: 2, 4, 8, 15, 30, 60, 120, 240 sec.

Calibration: Internal self-calibration
External Q coil calibration (optional)

Keyboards: Two 3 x 4 matrix sealed key pads with positive tactile feedback

Gain: Automatic or manual control

Dynamic Range: 23 bits (132 dB)

Display Quantity:

(1) Table of time rate of decay of magnetic flux (dB/dt)
(2) Curve of rate of decay of magnetic flux (dB/dt)
(3) Table of apparent resistivity (ρ_a)
(4) Curve of apparent resistivity (ρ_a)
(5) Profile of dB/dt
(6) Real time noise monitor
(7) Calibration curve
(8) Data acquisition statistics (real time)

Storage: Solid state memory with capacity for over 3000 data sets

Display: 8 lines by 40 character (240 x 64 dot) graphic LCD

Data Transfer: Standard RS-232 communications port.

Processor: CMOS 68HC000 8 MHz CPU

Receiver Battery: 12 volts rechargeable battery for 8 hours continuous operation. 6 hours in XTAL mode

Receiver Size: 34 x 38 x 27 cm

Receiver Weight: 15 kg

Operating Temp.: -40^{o}C to +50^{o}C

Transmitters: (1) Geonics TEM47
(2) Geonics TEM57
(3) Geonics TEM37

	30/25Hz			7.5/6.25Hz			3/2.5Hz		
30 gate mode	**start**	**center**	**width**	**start**	**center**	**width**	**start**	**center**	**width**
1	5.800	6.800	2.000	32.00	36.00	8.000	80.00	90.00	20.00
2	7.800	9.110	2.625	40.00	45.25	10.50	100.0	113.1	26.25
3	10.40	12.00	3.250	50.50	57.00	13.00	126.3	142.5	32.50
4	13.70	15.90	4.375	63.50	72.25	17.50	158.8	180.6	43.75
5	18.00	20.80	5.500	81.00	92.00	22.00	202.5	230.0	55.00
6	23.50	27.00	7.000	103.0	117.0	28.00	257.5	292.5	70.00
7	30.50	34.80	8.500	131.0	148.0	34.00	327.5	370.0	85.00
8	39.00	44.40	10.75	165.0	186.5	43.00	412.5	466.3	107.5
9	49.80	56.30	13.00	208.0	234.0	52.00	520.0	585.0	130.0
10	62.80	70.30	15.00	260.0	290.0	60.00	650.0	725.0	150.0
11	77.80	85.90	16.25	320.0	352.5	65.00	800.0	881.3	162.5
12	94.10	104.7	21.25	385.0	427.5	85.00	963.0	1069	212.5
13	115.3	129.1	27.50	470.0	525.0	110.0	1175	1313	275.0
14	142.8	159.7	33.75	580.0	647.5	135.0	1450	1619	337.5
15	176.6	198.4	43.75	715.0	802.5	175.0	1788	2006	437.5
16	220.3	248.6	56.25	890.0	1002.5	225.0	2225	2506	562.5
17	276.6	312.3	71.25	1115	1257.5	285.0	2790	3144	712.5
18	347.8	393.5	91.25	1400	1582.5	365.0	3500	3957	912.5
19	439.0	497.1	116.2	1765	1997.5	465.0	4413	4994	1162
20	555.3	629.0	147.5	2230	2525.0	590.0	5575	6313	1475
21	702.8	797.3	188.7	2820	3197.5	755.0	7050	7994	1887
22	891.5	1012	240.0	3575	4055.0	960.0	8940	10138	2400
23	1131	1285	306.2	4535	5147.5	1225	11338	12870	3062
24	1438	1634	391.2	5760	6542.5	1565	14400	16350	3913
25	1829	2079	498.7	7325	8322.5	1995	18310	20806	4987
26	2328	2645	636.2	9320	10592	2545	23300	26475	6363
27	2964	3370	812.5	11865	13490	3250	29663	33725	8125
28	3776	4295	1036	15115	17187	4145	37800	42975	10362
29	4813	5473	1321	19260	21902	5285	48150	54750	13212
30	6134	6978	1685	24545	27915	6740	61360	69800	16850
	7819			31285			78200		

Note: All times in microseconds

Table C1: Digital Protem Gate Locations

This Table applies to both synchronization modes regardless of which of TEM37, TEM47 and TEM57 transmitters is used, provided that correct Tx model is selected in Header (2.4).

Note: 7.5/6.25 and 0.75/0.625 Hz proportional to 75/62.5 Hz
3/2.5 and 0.3/0.25 Hz proportional to 30/25 Hz

Geonics Limited
EM-57 Transient Electromagnetic Transmitter
Technical Specifications

Current Waveform: Bipolar rectangular current with 50% duty cycle

Base Frequency: 0.3, 0.75, 3, 7.5 or 30 Hz where power line frequency is 60 Hz
0.25, 0.625, 2.5 or 25 Hz where power line frequency 50 Hz
Rates below 1 Hz available from PROTEM receiver through reference cable

Turn-off Time(t): Fast linear turn-off maximum of 450 μsec. at 25 amps into a 300x600 meter loop. Decreases proportionally with current and the root of the loop area to a maximum of 20 μsec. Actual value of t read on front panel meter.

Transmitter Loop: Up to 2,000 x 2,000 m single turn

Output Current: 25 A maximum

Output Voltage: 18 to 150 V continuously adjustable

Synchronization: Reference cable or, optionally, quartz crystal

Power Supply: Variable 2,000W to 4,500 W, 115 or 110/220 V, 50/60 Hz, single phase motor generator

Transmitter Protection: Electronic and electromechanical protection

Dimensions: 43 x 25 x 25 cm (TEM57-MK2);
42 x 20 x 31 cm (EM-67 Power Module)

Component Dimensions and Weights

Weight: 15 kg (TEM57-MK2);
12 kg (EM-67 Power Module)

GEONICS LIMITED

BH-43 3-D Borehole Probe with Tilt Sensors
Technical Specifications

Measured Quantity:	Time derivative of axial and radial magnetic field
Sensors:	Three orthogonal coils (one axial, two radial)
Overall Length:	334 cm
Maximum Diameter:	3.8 cm
Weight:	9.5 kg
Sensor-Preamplifier Resonant Frequency:	10 kHz
Sensor Areas:	100 m^2
Operating Temperature:	-30 degrees C to +80 degrees C
Probe Rotation Correction:	Two orthogonal tilt meters with range ±1° to ±80° from vertical
Battery:	Rechargeable NiCd sealed pack for 15 hours continuous operation

Cable

Type:	Two-conductor shield polyurethane jacket Kevlar membrane
Diameter:	5.6 mm
Weight:	40 kg/km
Length:	540m

APPENDIX D

PRODUCTION LOG

MCCART TWP. PROJECT					
BOREHOLE TEM SURVEYS					
Date	**Description**	**Hole #**	**Start**	**End**	**Total (m)**
8-Dec-08	Mob to property. Establish 300m x 300m for holes.				
19-Dec-08	Return to property. Dummy hole 3 which is blocked at 113m. Lose 2 dummy probes due to freezing in the hole. Dummy hole 4 - hit blockage at 135m - lose 2 dummy probes in attempt to clear. Log hole.	MC08-04	10	135	125
26-Dec-08	Return to property to log holes 3 and 5. Wait for drillers to retrieve rods and prepare hole 5 for logging. Dummy both holes and log.	MC08-05	10	180	170
		MC08-03	10	105	95
30-Dec-08	Return to property to retrieve loop.				

APPENDIX E

LIST OF MAPS

- **LPTEM Borehole Profiles:** **Multi-Channel 4-Axis and LinLog Profile Plots:** showing time rate of decay of the secondary electromagnetic field, for X, Y , Z and Total Field components, 1:2000 scale, ch. 1-20 divided according to 4 vertical (linear) axes and ch 1-20 from a single axis , nV/m^2

  Drawing #s: **CA00629C-BH4AXIS-TILT-K-Borehole#**, where K=Z, X, Y, TF (Total Field).
  CA00629C-BHLL-TILT-K-Borehole#, where K=Z, X, Y, TF (Total Field)

BOREHOLES	TOTAL PROFILES
MC08-03	8
MC08-04	8
MC08-05	8

Total Profiles: 24

APPENDIX F

PROFILES

320°

509050mE

5402600mN

5402550mN

509100mE

140°

MC08-4
dip -50
az 140

Overburden

300m

Peridotite

142364
142365
142366
142367
142368
142369

250m

142370
142371
142372
142373
142374
142376
142377
142378
142379
142380
142381
142382
142383
142384
142479
142480
142385
142481

Serpentinized peridotite

142386
142387
142388
142389
142390

Graphitic Argillite

142391
142392
142393
142394
142395
142396
142397
142398
142399
142400
142401

200m

Komatiitic Basalt

202m EOH

0 25
metres
UTM Zone 17, NAD83

Claim No.: 4243370

LEGEND

Hole No.

Lithology

Sample Number

Hole Length (m)

BRIDGEPORT VENTURES INC.

McCart Property, Ontario

DRILL HOLE MC08-04
(FACING NORTHEAST)

MAP REF. NO.: MC4.DWG	DRAFTED BY: MC
SCALE: 1:500	DRAWN: MPH TORONTO
SECTION: 4	DATE: DEC 2008

MPH CONSULTING LIMITED
International Exploration & Mining Consultants

5402650mN
320°
MC08-5
dip -50
az 140
508900mE
5402600mN
508950mE
5402550mN
MC08-3
dip -50
az 140
Overburden
5402500mN
509000mE
5402450mN
E+509050.00
140°
300m
Peridotite
Serpentinized peridotite
Komatiitic Basalt
250m
Peridotite
Serpentinized peridotite
Komatiitic Basalt
Graphitic Agillite/ Komatiitic Basalt
Greywacke
Serpentinized Komatiitic Basalt
Graphitic Argillite
Serpentinized Komatiitic Basalt
200m
185m EOH
Peridotite
202m EOH
0
25
metres
UTM Zone 17, NAD83

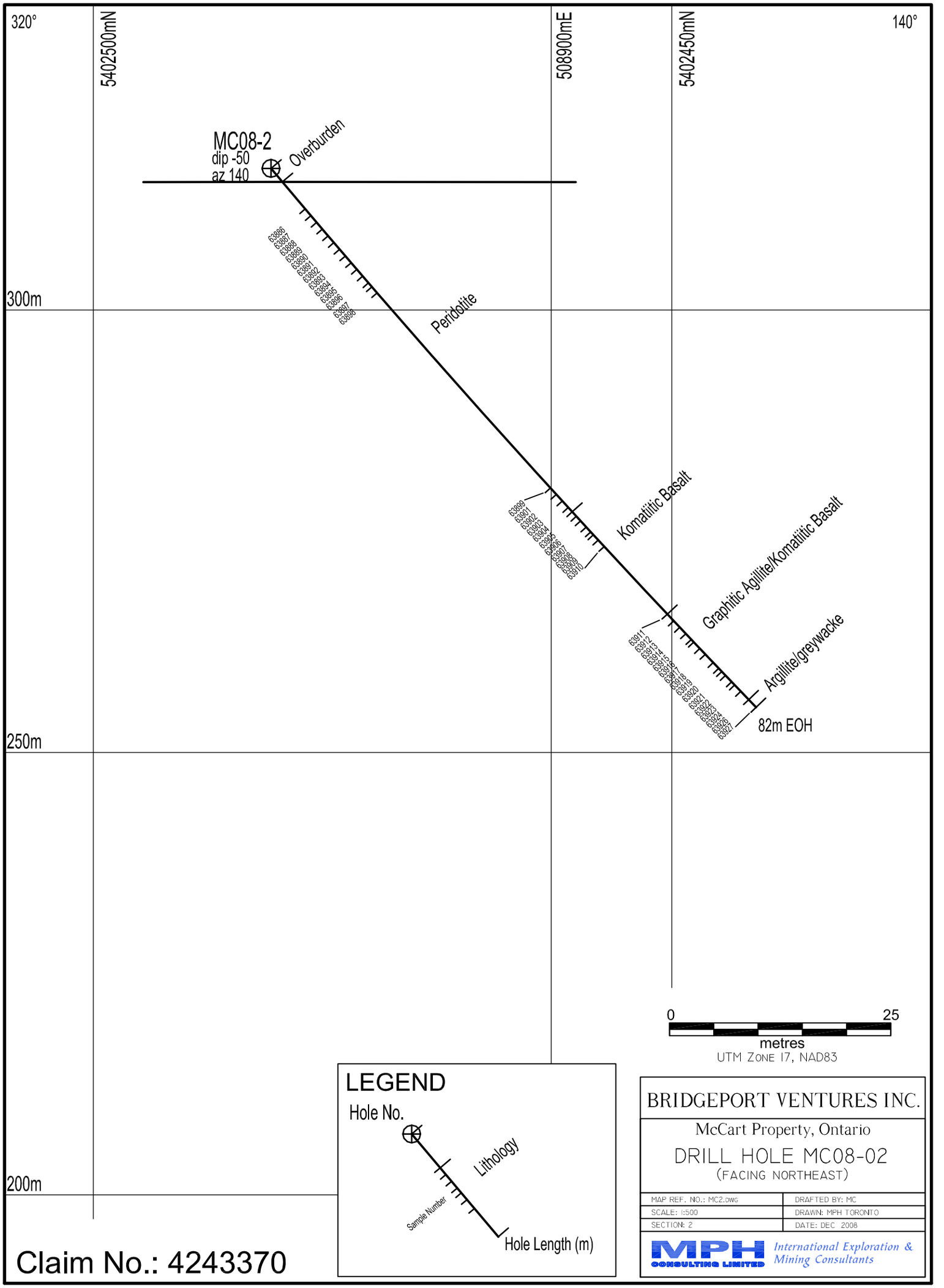
LEGEND
Hole No.
Lithology
Sample Number
Hole Length (m)

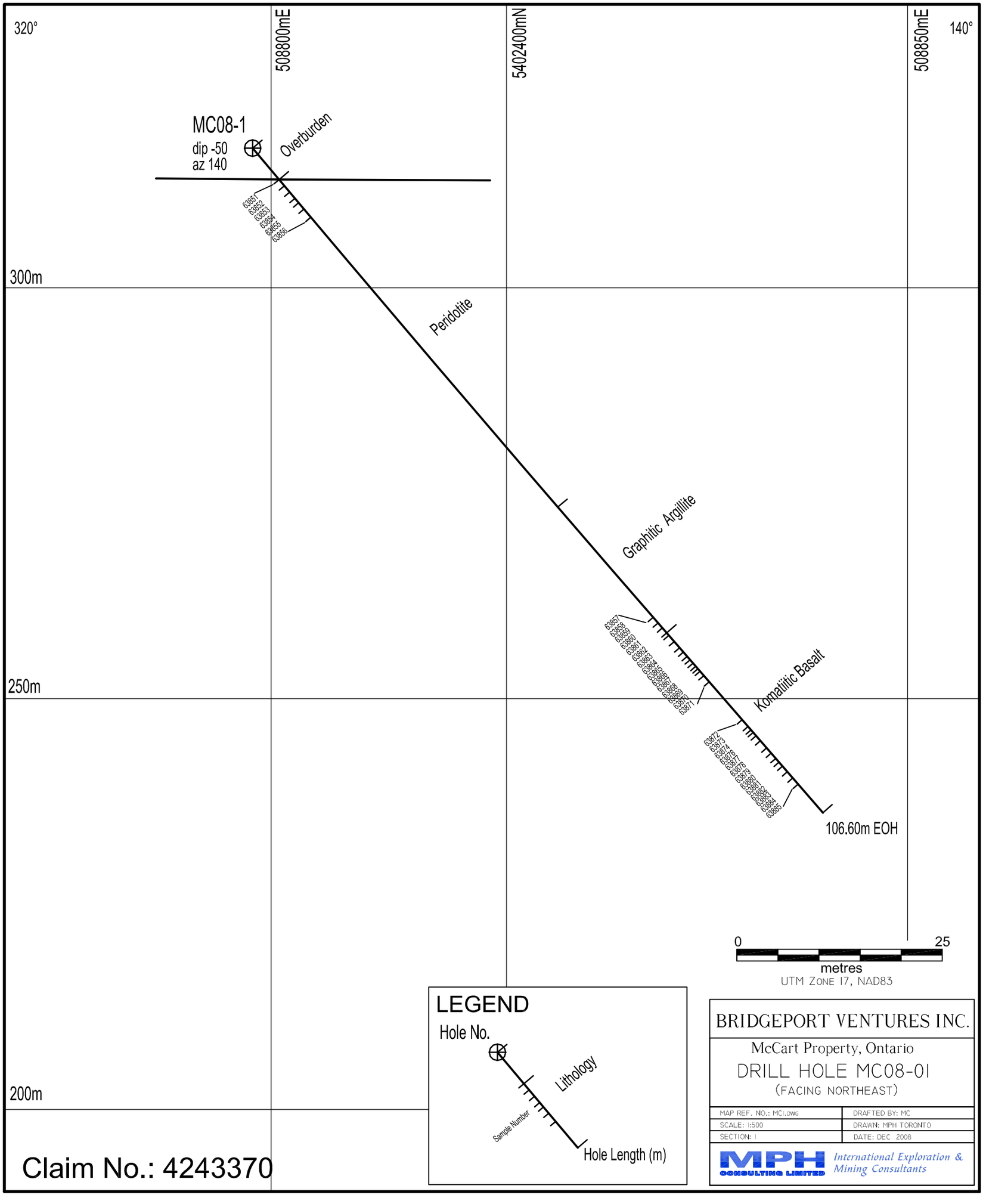
BRIDGEPORT VENTURES INC.
McCart Property, Ontario
DRILL HOLE MC08-03
& MC08-05
(FACING NORTHEAST)

MAP REF., NO.: MC3_5.DWG	DRAFTED BY: MC
SCALE: 1:500	DRAWN: MPH TORONTO
SECTION: 3	DATE: DEC. 2008

MPH CONSULTING LIMITED
International Exploration & Mining Consultants

Claim No.: 4243370


320°
5402500mN
508900mE
5402450mN
140°
MC08-2
dip -50
az 140
Overburden
63886
63887
63888
63889
63890
63891
63892
63893
63894
63895
63896
63897
63898
Peridotite
63899
63901
63902
63903
63904
63905
63906
63907
63908
63909
63910
Komatiitic Basalt
Graphitic Agillite/Komatiitic Basalt
Argillite/greywacke
63911
63912
63913
63914
63915
63916
63917
63918
63919
63920
63921
63922
63923
63924
63925
63926
63927
82m EOH
300m
250m
200m
0
25
metres
UTM Zone 17, NAD83
LEGEND
Hole No.
Lithology
Sample Number
Hole Length (m)
BRIDGEPORT VENTURES INC.
McCart Property, Ontario
DRILL HOLE MC08-02
(FACING NORTHEAST)
MAP REF. NO.: MC2.dwg
DRAFTED BY: MC
SCALE: 1:500
DRAWN: MPH TORONTO
SECTION: 2
DATE: DEC 2008
MPH CONSULTING LIMITED
International Exploration & Mining Consultants
Claim No.: 4243370


320°
508800mE
5402400mN
508850mE
140°
MC08-1
dip -50
az 140
Overburden
63851
63852
63853
63854
63855
63856
300m
Peridotite
Graphitic Argillite
63857
63858
63859
63860
63861
63862
63863
63864
63865
63866
63867
63868
63869
63870
63871
250m
Komatiitic Basalt
63872
63873
63874
63875
63876
63877
63878
63879
63880
63881
63882
63883
63884
63885
106.60m EOH
200m
0
25
metres
UTM Zone 17, NAD83
LEGEND
Hole No.
Lithology
Sample Number
Hole Length (m)
BRIDGEPORT VENTURES INC.
McCart Property, Ontario
DRILL HOLE MC08-01
(FACING NORTHEAST)
MAP REF. NO.: MC1.DWG
DRAFTED BY: MC
SCALE: 1:500
DRAWN: MPH TORONTO
SECTION: 1
DATE: DEC 2008
MPH CONSULTING LIMITED
International Exploration & Mining Consultants
Claim No.: 4243370

508800 508900 509000 509100

4220800

N

5402600 5402500 5402400

4243370

MC08-5
Overburden
Peridotite
Serpentinized peridotite
Komatiitic Basalt

MC08-4
Overburden
Peridotite
Serpentinized peridotite
Graphitic Argillite
Komatiitic Basalt

MC08-3
Overburden
Peridotite
Serpentinized peridotite
Komatiitic Basalt
Graphitic Agillite/ Komatiitic Basalt
Greywacke
Serpentinized Komatiitic Basalt
Graphitic Argillite
Serpentinized Komatiitic Basalt
Peridotite

MC08-2
Overburden
Peridotite
Komatiitic Basalt
Graphitic Agillite/Komatiitic Basalt
Argillite/greywacke

MC08-1
Overburden
Peridotite
Graphitic Argillite
Komatiitic Basalt

1050

Legend

- Drill Trail
- Elevation (m asl)
- Claim with Claim Number

0 5 10 20 30 40
Meters

Zone 17, NAD83

BRIDGEPORT VENTURES INC.

MCCART PROPERTY, ONTARIO

2008 DRILL HOLE LOCATION MAP

MAP REF. NO.: 2180	DRAFTED BY: MC
SCALE: 1:1000	DRAWN: MPH TORONTO
MAP NO.: 1	DATE: DEC 2008

MPH CONSULTING LIMITED *International Exploration & Mining Consultants*

508800 508900 509000 509100