
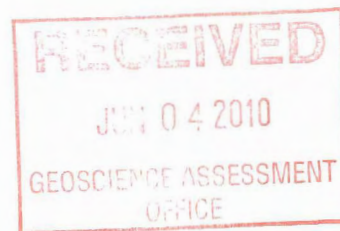


GEOPHYSICAL REPORT  
For  
**GOLDEN CHALICE RESOURCES INC.**  
ON THE  
**FOLLOW-UP IP SURVEYS**  
**PENHORWOD PROPERTY**  
PENHORWOOD TOWNSHIP  
PORCUPINE MINING DIVISION  
NORTHEASTERN, ONTARIO

Prepared by: J.C. Grant,  CET, FGAC  
May 2010



## TABLE OF CONTENTS

	PAGE
INTRODUCTION:.....	1
PROPERTY LOCATION AND ACCESS:.....	1
CLAIM BLOCK.....	2
PERSONNEL.....	2
GROUND PROGRAM.....	2,3
PROPERTY GEOLOGY.....	3
MAGNETIC AN VLF-EM SURVEY RESULTS, 2010.....	4
IP SURVEY RESULTS.....	4,5
CONCLUSIONS AND RECOMMENDATIONS.....	6
CERTIFICATE	
LIST OF FIGURES:	
1.) LOCATION MAP	
2.) PROPERTY LOCATION MAP	
3.) CLAIM MAP	
4.) GEOLOGY MAP	
APPENDICES:	
A.) INSTRUMENTATION G.D.D. IP RECEIVER AND 3.6 KWATT TRANSMITTER	
POCKET MAPS:	
INDIVIDUAL LINE PSEUDO-SECTIONS OF IP SURVEY, LINES 0+00 TO LINE 2700ME, NOT INCLUDING LINES 400ME AND 2500ME, SCALE 1:2500	
MAGNETIC, VLF-EM AND IP COMPILATION MAP, 1:5000	

## **INTRODUCTION:**

The services of Exsics Exploration Limited were retained by Mr. K. Montgomery, on behalf of the Company, Golden Chalice Resources Inc., to complete a follow-up Induced Polarization, (IP), program on the Penhorwood Property, which is located in the northeast portion of Penhorwood Township of the Porcupine Mining Division of Northeastern Ontario.

The purpose of this present program was to follow up on an initial ground program completed in the fall of 2009 that was completed across a portion of the grid that had returned elevated gold values from a soil sampling program. This recent program consisted of expanding the original grid to the east and west to define and outline favorable horizons that would lend themselves to the possibility of larger and more economical gold deposits.

The present IP ground program commenced in the middle of February and was completed by the end of March 2010. This IP program was done to follow-up on the total field magnetic survey that was completed in conjunction with a VLF-EM survey that had been done across the entire cut grid. Initially a Time Domain IP survey using the pole-dipole array was completed in the latter part of 2009 and it covered lines 700ME to 1300ME.

In all, a total of 26.5 kilometers of new cutting was added to the existing 8.5 kilometers for a total of 34.0 kilometers of grid lines that were cut across the property. The new cutting of 26.5 kilometers has now been covered by the IP surveys and those results will be incorporated into the original survey results in this report.

## **PROPERTY LOCATION AND ACCESS:**

The Penhorwood property is situated in the northeast section of the Township, which is part of the Porcupine Mining Division. More specifically, the property is situated approximately 2.1 kilometers to the northeast of Steepe Lake that is the southern most lake of a chain of lakes that lie to the immediate southwest of the grid area. The main Kenogaming limber road cuts across the grid area in a northeast to southwest direction. Refer to Figures 1 and 2. The entire property is located approximately 60 kilometers southwest of the City of Timmins.

Access to the grid during the survey period was ideal. Highway 101 travels west from Timmins and crosses the north end of a good logging road locally called the Kenogaming lumber road. This gravel road travels south and southwest through Penhorwood and crosses the northern section of the grid area.



**EXSICS EXPLORATION LTD.**

P.O. Box 1880, P4N-7X1  
 Suite 13, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-287-4151, 287-2424

**CLIENT:** GOLDEN CHALICE RESOURCES LTD.

**PROPERTY:** PENHORWOOD PROJECT

**TITLE:** PENHORWOOD TOWNSHIP

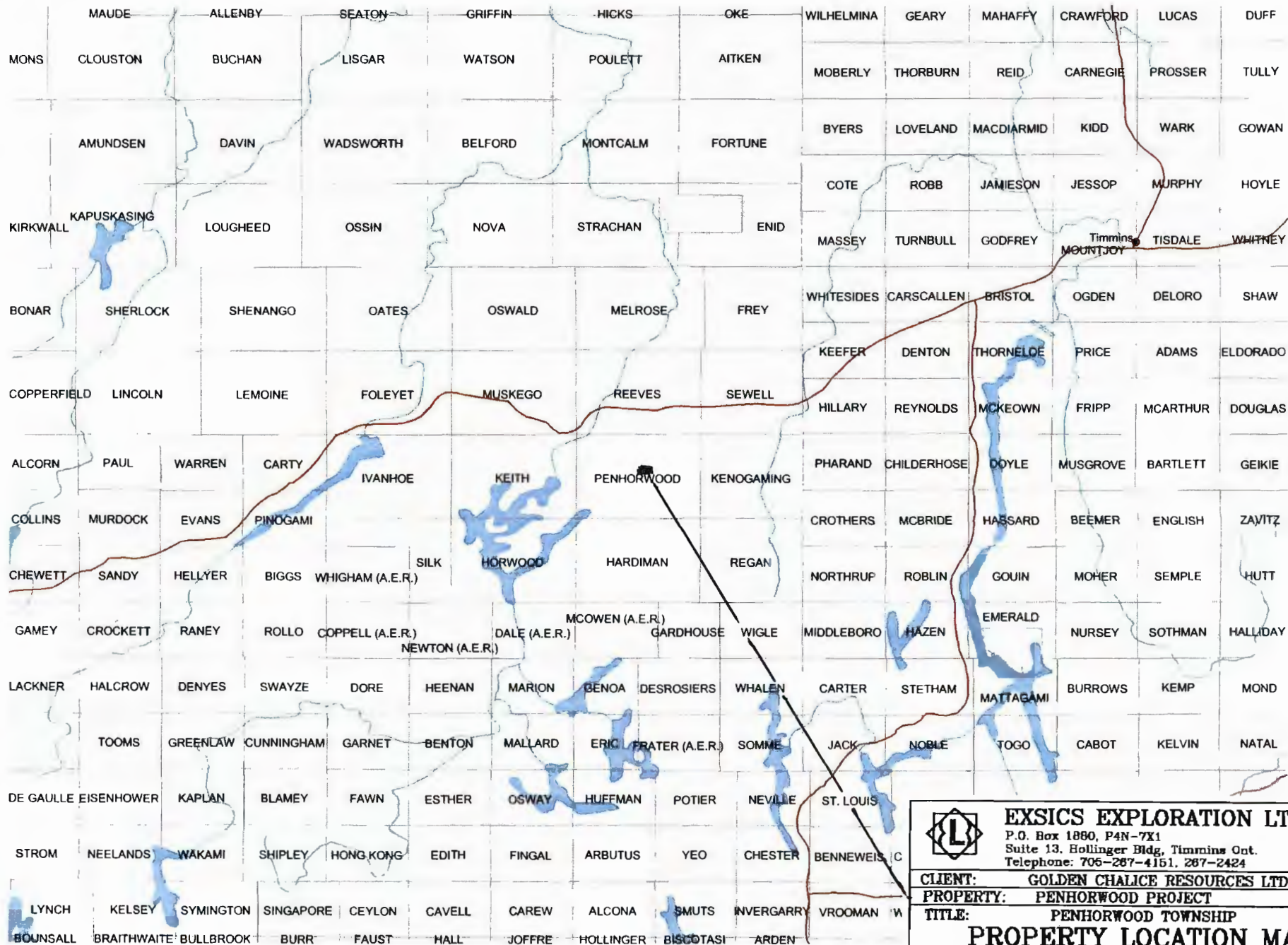
**LOCATION MAP**


Fig. 1

Date: FEB.10      Scale: 1:600,000      NTS:

Drawn: J.C. Grant      Interp: J.C. Grant      Job No.: E-686





 <b>EXSICS EXPLORATION LTD.</b> P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 706-287-4151, 287-2424		
<b>CLIENT:</b> GOLDEN CHALICE RESOURCES LTD.		
<b>PROPERTY:</b> PENHORWOOD PROJECT		
<b>TITLE:</b> PENHORWOOD TOWNSHIP		
<b>PROPERTY LOCATION MAP</b>		
Fig. 2		
<b>Date:</b> FEB. 10	<b>Scale:</b> 1:200,000	<b>NTS:</b>
<b>Drawn:</b> J.C. Grant	<b>Interp:</b> J.C. Grant	<b>Job No.:</b> E-686

NAD 83  
5 degree grid

**CLAIM BLOCK:**

The claim numbers that represent the portion of the property that was covered by this current ground program are as follows.

4207034,	16 units
4207036,	16 units
4207037,	10 units
4207042,	16 units
4207043,	16 units
4207044	16 units

Refer to Figure 3 of this report that was copied from MNDM Plan Map G-3244 of Penhorwood Township for the positioning of the claims within the Township.

**PERSONNEL:**

The field crew directly responsible for the collection of all of the raw IP field data were as follows.

J. Hamlin	Timmins, Ontario,
D. Poirier	Timmins, Ontario,
D. Collins	Timmins, Ontario
S. Chartrand	Timmins, Ontario
J. Harrell	Timmins, Ontario

The entire program was completed under the direct supervision of J.C. Grant and all of the plotting, compilation, interpretation and reports were completed by in-house staff.

**GROUND PROGRAM:**

The ground program was completed in two stages. The first stage was to extend the original to the east and west. This was done by extending the original base line from 1300ME to 2700ME and from 700ME to line 0+00. A tie line labeled 500MN was cut parallel to the base line at it extended from 2700ME to 0+00. Lines 2700ME to 1900ME were cut from tie line 250MS to 500MN. Lines 1800ME to 1400ME were cut from 250MS to 1000MN. Lines 1300ME and 1200ME were cut from 500MS to 1000MN. Lines 1100ME to 700ME were cut from 500MS to 750MN and lines 600ME to line 0 were cut from 500MS to 500MN. The base line was cut and chained with 25 meter station intervals from line 0+00ME to and including 2700ME. All of the cross lines were also chained with 25 meter station intervals that have been metal tagged.

Once the line cutting was completed, Exsics then commenced an IP survey that was done across all of the new cut lines.

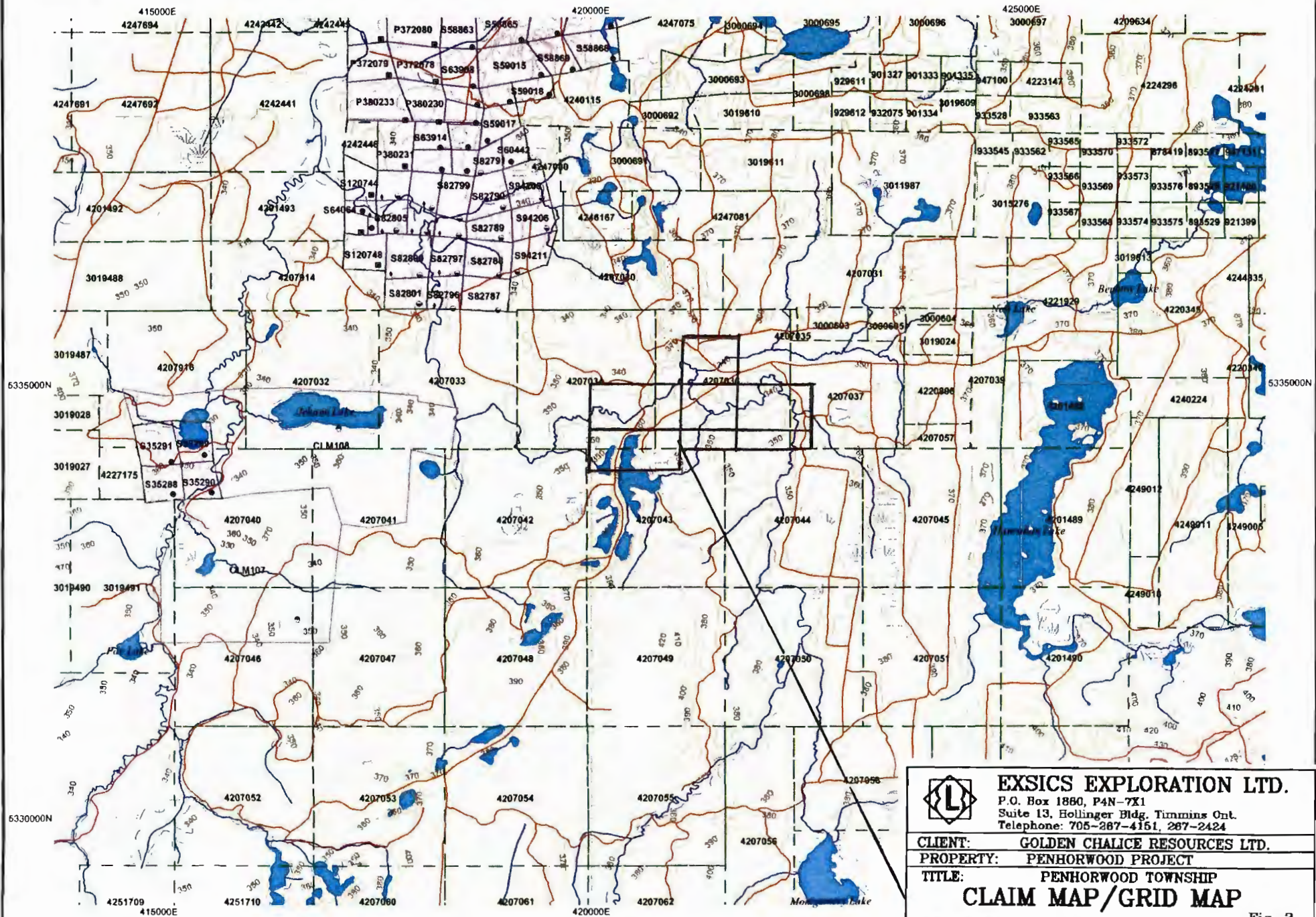


LANGMUIR	<a href="#">4201284</a>	2005-Nov-01	2010-Nov-01	A	100 %	\$ 4,800	\$ 14,400	\$ 0	\$ 0
LANGMUIR	<a href="#">4201289</a>	2005-Nov-01	2010-Nov-01	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
LANGMUIR	<a href="#">4201290</a>	2005-Nov-01	2010-Nov-01	A	100 %	\$ 1,600	\$ 4,800	\$ 0	\$ 0
LANGMUIR	<a href="#">4202744</a>	2005-Jun-06	2011-Jun-06	A	100 %	\$ 800	\$ 3,200	\$ 0	\$ 0
LANGMUIR	<a href="#">4202748</a>	2005-Jul-18	2014-Jul-18	A	100 %	\$ 4,400	\$ 30,800	\$ 3,418	\$ 0
LANGMUIR	<a href="#">4202814</a>	2005-Jun-06	2011-Jun-06	A	100 %	\$ 400	\$ 1,600	\$ 0	\$ 0
LANGMUIR	<a href="#">4202815</a>	2005-Jun-06	2011-Jun-06	A	100 %	\$ 1,600	\$ 6,400	\$ 0	\$ 0
LANGMUIR	<a href="#">4202816</a>	2005-Jun-06	2011-Jun-06	A	100 %	\$ 3,200	\$ 12,800	\$ 0	\$ 0
LANGMUIR	<a href="#">4203498</a>	2005-Jul-18	2014-Jul-18	A	100 %	\$ 3,200	\$ 22,400	\$ 1,271,081	\$ 0
LANGMUIR	<a href="#">4203563</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 4,000	\$ 16,000	\$ 0	\$ 0
LANGMUIR	<a href="#">4203564</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 6,000	\$ 24,000	\$ 0	\$ 0
LANGMUIR	<a href="#">4203567</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 6,400	\$ 25,600	\$ 0	\$ 0
LANGMUIR	<a href="#">4203568</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 3,200	\$ 12,800	\$ 0	\$ 0
LANGMUIR	<a href="#">4203569</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 3,200	\$ 12,800	\$ 0	\$ 0
LANGMUIR	<a href="#">4203570</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 400	\$ 1,600	\$ 102,723	\$ 0
LANGMUIR	<a href="#">4203571</a>	2005-Feb-08	2011-Feb-08	A	100 %	\$ 6,400	\$ 25,600	\$ 109,054	\$ 0
LANGMUIR	<a href="#">4207038</a>	2005-Jul-18	2011-Jul-18	A	100 %	\$ 1,600	\$ 6,400	\$ 54,983	\$ 0
LANGMUIR	<a href="#">4220197</a>	2007-May-22	2010-May-22	A	100 %	\$ 1,200	\$ 1,200	\$ 0	\$ 0
LANGMUIR	<a href="#">4220210</a>	2007-May-22	2011-May-22	A	100 %	\$ 4,800	\$ 9,600	\$ 0	\$ 0
LOVELAND	<a href="#">4224270</a>	2008-Jan-07	2010-Sep-07	A	100 %	\$ 4,000	\$ 0	\$ 0	\$ 0
LOVELAND	<a href="#">4224271</a>	2008-Jan-07	2010-Sep-07	A	100 %	\$ 2,400	\$ 0	\$ 0	\$ 0
LOVELAND	<a href="#">4224272</a>	2008-Jan-07	2010-Sep-07	A	100 %	\$ 4,000	\$ 0	\$ 0	\$ 0
LOVELAND	<a href="#">4224273</a>	2008-Jan-07	2010-Sep-07	A	100 %	\$ 2,400	\$ 0	\$ 0	\$ 0
MACDIARMID	<a href="#">4223960</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 4,800	\$ 4,800	\$ 0	\$ 0
MACDIARMID	<a href="#">4223961</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 3,600	\$ 3,600	\$ 0	\$ 0
MACDIARMID	<a href="#">4223962</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 4,000	\$ 4,000	\$ 0	\$ 0
MACDIARMID	<a href="#">4223963</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 4,800	\$ 4,800	\$ 0	\$ 0
MACDIARMID	<a href="#">4223964</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 6,400	\$ 6,400	\$ 0	\$ 0
MACDIARMID	<a href="#">4223965</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 4,400	\$ 4,400	\$ 0	\$ 0
MACDIARMID	<a href="#">4223966</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 4,800	\$ 4,800	\$ 0	\$ 0
MACDIARMID	<a href="#">4223969</a>	2007-Jun-21	2010-Jun-21	A	100 %	\$ 3,600	\$ 3,600	\$ 1,710	\$ 0
MACKLEM	<a href="#">4220218</a>	2007-May-22	2011-May-22	A	100 %	\$ 6,000	\$ 12,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">3000603</a>	2003-Oct-15	2010-Oct-15	A	100 %	\$ 800	\$ 4,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">3000604</a>	2003-Oct-15	2010-Oct-15	A	100 %	\$ 800	\$ 4,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">3000605</a>	2004-Jan-02	2011-Jan-02	A	100 %	\$ 400	\$ 2,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">3019024</a>	2006-Apr-24	2010-Apr-24	A	100 %	\$ 800	\$ 1,600	\$ 0	\$ 0
PENHORWOOD	<a href="#">3019487</a>	2007-Nov-19	2010-Nov-19	A	100 %	\$ 4,000	\$ 4,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">3019488</a>	2007-Dec-18	2010-Dec-18	A	100 %	\$ 6,400	\$ 6,400	\$ 0	\$ 0
PENHORWOOD	<a href="#">3019490</a>	2007-Dec-18	2010-Dec-18	A	100 %	\$ 6,000	\$ 6,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">3019491</a>	2007-Nov-19	2009-Nov-19	A	100 %	\$ 1,230	\$ 4,770	\$ 0	\$ 0
PENHORWOOD	<a href="#">4201492</a>	2006-Mar-23	2010-Mar-23	A	100 %	\$ 6,400	\$ 12,800	\$ 0	\$ 0
PENHORWOOD	<a href="#">4201493</a>	2006-Mar-23	2010-Mar-23	A	100 %	\$ 3,200	\$ 6,400	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207030</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 4,800	\$ 14,400	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207032</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207033</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207034</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 3,458	\$ 0
PENHORWOOD	<a href="#">4207035</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 400	\$ 1,200	\$ 0	\$ 0



PENHORWOOD	<a href="#">4207036</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 1,526	\$ 0
PENHORWOOD	<a href="#">4207037</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 4,000	\$ 12,000	\$ 2,880	\$ 0
PENHORWOOD	<a href="#">4207040</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,000	\$ 18,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207041</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207042</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207043</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 1,426	\$ 0
PENHORWOOD	<a href="#">4207044</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207046</a>	2005-Jun-07	2009-Nov-25	A	100 %	\$ 2,727	\$ 16,473	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207047</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207048</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207049</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207050</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207052</a>	2005-Jun-07	2011-Jun-07	A	100 %	\$ 6,400	\$ 25,600	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207053</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207054</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207055</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207056</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207057</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 400	\$ 1,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207058</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 4,800	\$ 14,400	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207060</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 5,600	\$ 16,800	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207061</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207062</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,400	\$ 19,200	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207914</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 3,600	\$ 10,800	\$ 0	\$ 0
PENHORWOOD	<a href="#">4207916</a>	2005-Jun-07	2010-Jun-07	A	100 %	\$ 6,000	\$ 18,000	\$ 0	\$ 0
PENHORWOOD	<a href="#">4220806</a>	2007-Apr-30	2010-Apr-30	A	100 %	\$ 1,600	\$ 1,600	\$ 0	\$ 0
PENHORWOOD	<a href="#">4227175</a>	2007-Nov-19	2009-Nov-19	A	100 %	\$ 1,200	\$ 0	\$ 0	\$ 0
PENHORWOOD	<a href="#">4241832</a>	2008-Jul-11	2010-Jul-11	A	100 %	\$ 4,800	\$ 0	\$ 0	\$ 0
SOTHMAN (PORC)	<a href="#">1226833</a>	1998-May-13	2011-May-13	A	100 %	\$ 1,333	\$ 27,467	\$ 0	\$ 0
THOMAS	<a href="#">4220191</a>	2007-May-22	2010-May-22	A	100 %	\$ 6,400	\$ 6,400	\$ 0	\$ 0
THOMAS	<a href="#">4220192</a>	2007-May-22	2011-May-22	A	100 %	\$ 6,400	\$ 12,800	\$ 0	\$ 0
THOMAS	<a href="#">4220193</a>	2007-May-22	2010-May-22	A	100 %	\$ 6,400	\$ 6,400	\$ 0	\$ 0
THOMAS	<a href="#">4220194</a>	2007-May-22	2010-May-22	A	100 %	\$ 6,400	\$ 6,400	\$ 0	\$ 0
THOMAS	<a href="#">4220219</a>	2007-May-22	2011-May-22	A	100 %	\$ 6,400	\$ 12,800	\$ 0	\$ 0
THOMAS	<a href="#">4220220</a>	2007-May-22	2011-May-22	A	100 %	\$ 6,400	\$ 12,800	\$ 0	\$ 0
THORBURN	<a href="#">4224268</a>	2008-Jan-07	2010-Sep-07	A	100 %	\$ 4,800	\$ 0	\$ 0	\$ 0
THORBURN	<a href="#">4224269</a>	2008-Jan-07	2010-Sep-07	A	100 %	\$ 3,600	\$ 0	\$ 0	\$ 0
WHITNEY	<a href="#">4202630</a>	2006-Oct-20	2010-Oct-20	A	100 %	\$ 3,200	\$ 6,400	\$ 0	\$ 0
WHITNEY	<a href="#">4202634</a>	2006-Oct-20	2010-Oct-20	A	100 %	\$ 5,600	\$ 11,200	\$ 0	\$ 0
WHITNEY	<a href="#">4210987</a>	2006-Oct-12	2010-Oct-12	A	100 %	\$ 400	\$ 800	\$ 0	\$ 0
WHITNEY	<a href="#">4211030</a>	2006-Oct-20	2010-Oct-20	A	100 %	\$ 1,600	\$ 3,200	\$ 0	\$ 0
WHITNEY	<a href="#">4211031</a>	2006-Oct-20	2010-Oct-20	A	100 %	\$ 5,200	\$ 10,400	\$ 0	\$ 0
WHITNEY	<a href="#">4213798</a>	2007-Feb-14	2010-May-19	A	100 %	\$ 3,200	\$ 3,200	\$ 0	\$ 0
WHITNEY	<a href="#">4213968</a>	2007-Feb-14	2010-May-19	A	100 %	\$ 800	\$ 800	\$ 0	\$ 0





UTM Zone 17  
5000m grid

	<b>EXSICS EXPLORATION LTD.</b>	
	P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg. Timmins Ont. Telephone: 705-287-4151, 287-2424	
<b>CLIENT: GOLDEN CHALICE RESOURCES LTD.</b>		
<b>PROPERTY: PENHORWOOD PROJECT</b>		
<b>TITLE: PENHORWOOD TOWNSHIP</b>		
<b>CLAIM MAP/GRID MAP</b>		
<b>Fig. 3</b>		
<b>Date: FEB.10</b>	<b>Scale: 1:60,000</b>	<b>NTS:</b>
<b>Drawn: J.C. Grant</b>	<b>Interp: J.C. Grant</b>	<b>Job No.: E-686</b>

This survey was completed using the Instrumentation G.D.D IP Receiver and 3.6 kilowatt transmitter system. Specifications for this unit can be found as Appendix A of this report. The following parameters were kept constant throughout the survey.

Line spacing	100 meters
Station spacing	25 meters
Reading intervals	25 meters
IP method	Time domain
IP array	Pole-Dipole
Delay time	240Ms
Timing	80Ms through 20 windows
Number of electrodes	6 stainless steel
Electrode spacing	25 meters
Parameters measured	Chargeability and Apparent Resistivity

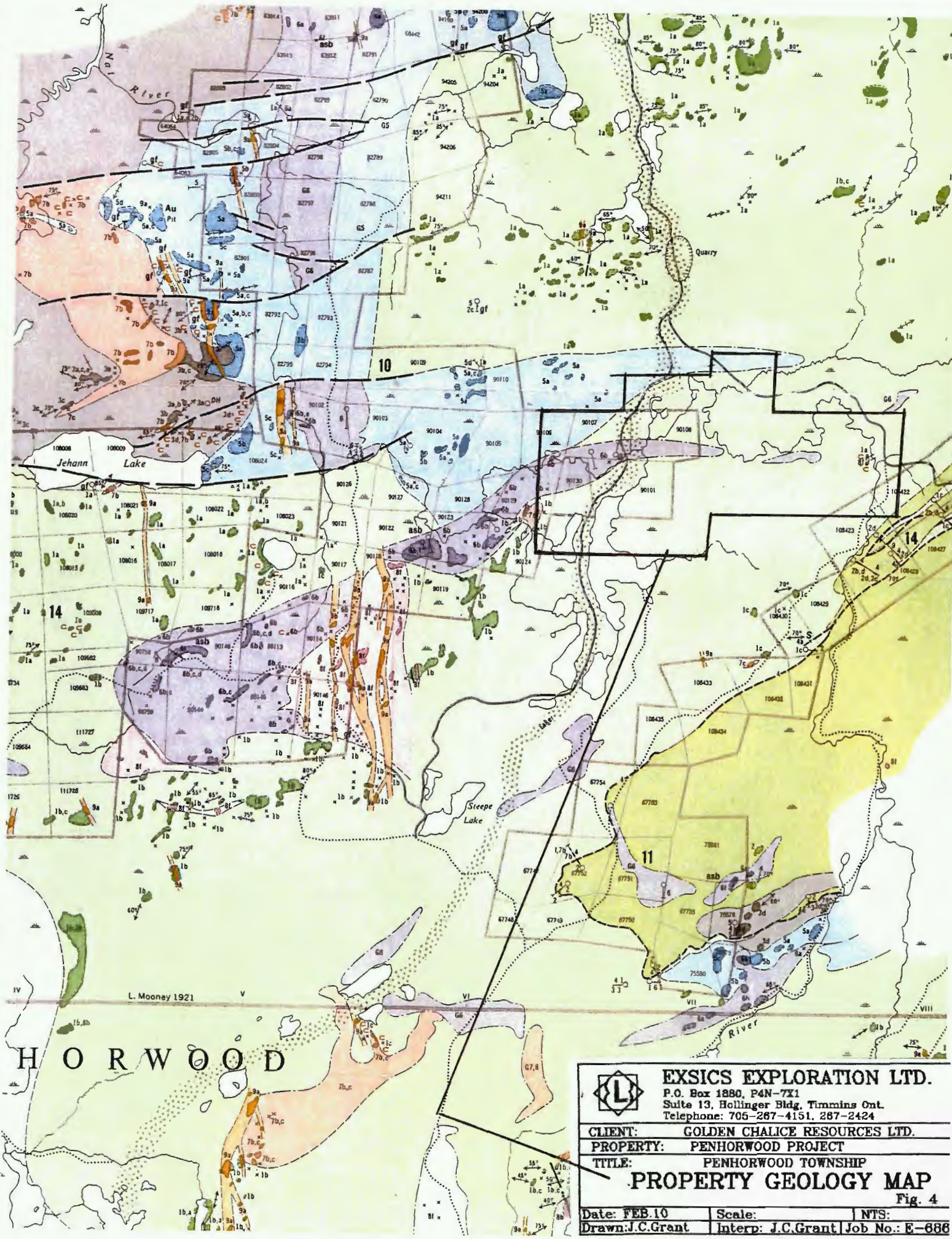
Once the IP survey was completed the data was then plotted as individual line pseudo-sections, one section for each line read, at a scale of 1:2500. These sections show the contoured results for the collected Chargeabilities and Resistivities. Interpretations for any and all conductive zones were then put on each section along with corresponding resistivity high correlations. The data was then correlated to the results of the magnetic and VLF-EM surveys

Copies of these colored contoured and profiled sections are included in the back pocket of this report.

### **PROPERTY GEOLOGY:**

The property is underlain by mafic to intermediate metavolcanics that has been intruded by ultramafic intrusive rocks in the central west section of the grid and eastern central portion of the grid. The host rocks have also been intruded by mafic intrusives along the northwestern and central north sections of the grid area.





H O R W O O D

L. Mooney 1921



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 Suite 13, Hollinger Bldg. Timmins Ont.  
 Telephone: 705-267-4151, 267-2424

**CLIENT: GOLDEN CHALICE RESOURCES LTD.**

**PROPERTY: PENHORWOOD PROJECT**

**TITLE: PENHORWOOD TOWNSHIP**

**PROPERTY GEOLOGY MAP**

Fig. 4

Date: FEB.10	Scale:	NTS:
Drawn: J.C. Grant	Interp: J.C. Grant	Job No.: E-686

### **MAGNETIC AND VLF-EM SURVEY RESULTS, 2010:**

The magnetic and VLF-EM surveys were successful in locating and outlining the geological characteristics of the grid area. Generally the strike of the underlying geology is slightly east, northeast to west, southwest. Several areas of magnetic intensity were noted across the grid area and these zones have good VLF zones associated with them. The most predominant magnetic feature is the strong magnetic high trend that covers most of the central and southwest section of the grid. This trend correlates to the Ultramafic intrusive that is known to come into the grid in this area. The VLF zones correlate well to the edges of the strongest portions of this intrusive as is expected. There are several magnetic highs along strike with this main high. One covers line 1200ME to 1700ME between 350MN and 300MN and it has VLF zones correlating to its edges. Another of these highs lies between 1300ME and 1600ME from the base line to 150MN and a third lies between lines 1800ME and 2300ME and appears to be the eastern extension of the main zone.

The magnetic high that covers the northern sections of the grid from line 0+00 to 1800ME correlates to the mafic intrusive that is thought to cover this section of the grid. Again the VLF zones appear to correlate to the edges of the intrusive. The intrusives appear to be near vertical to slightly south dipping.

There are several minor narrow magnetic trend that appear to parallel the main features which may relate to the ultramafic intrusive and they have VLF zones associated with their edges as well.

There appears to be a minor and or deep narrow magnetic high trend striking into the grid in a southeast direction across lines 1600ME at the south end to line 2200ME at the base line. This zone has a VLF zone paralleling its southern edge from line 1600ME to 1800ME. The trend appears to continue off of the grid to the southwest possibly extending as far as the southern end of line 1300ME.

### **IP SURVEY RESULTS:**

The IP survey was successful in locating and outlining several good conductive zones across the survey area. These zone all seem to correlate well with the strike of the magnetic and VLF-EM horizons.

The most predominant IP zone outlined is a well defined chargeability high that strikes across lines 0+00 to and including line 1500ME and correlates well to the magnetic high that is thought to relate to the ultramafic intrusive. The zone represents a good anomaly that correlates to a moderate to strong resistivity high that has an associated and north flanking resistively low. The zone seems to either deepen and or weaken on its eastern extension as it cuts across lines 1400ME and 1500ME. This may be due in part to the possibility of a northeast and or northwest striking cross structure that appears to have offset the magnetic high.



This main IP trend appears to then strike into a zone that correlates to a magnetic trend that strikes northwest to southeast across lines 1700ME to 1200ME from 200MN to 400MN.

There is an IP anomaly correlating to this magnetic trend and it can be traced from line 1400ME to 1800ME. The zone is a moderate to strong zone that correlates to a modest to weak resistively high-low unit representing a possible contact and or fault zone.

This northwest to southeast striking magnetic high appears to be cut off on its eastern section by a possible cross structure striking northeast. The high then can be traced from line 1800ME to 2300ME from 200MN to 75MN. This magnetic trend may extend as far as line 1200ME on its western extension but again possibly offset by a northeast striking cross structure.

There is a moderate to strong IP anomaly associated with the southern edge of this magnetic high that also correlates to a moderate resistivity high.

A short IP zone appears to strike southwest off of this zone and strikes across lines 2200ME and 2100ME. The zone runs along the eastern edge of a modest magnetic high and appears to truncate next to the suspected northwest striking cross structure. The zone has a correlating resistivity high.

A modest IP anomaly was noted striking into the grid from the east and striking across lines 2700ME to 2600ME south of the base line. This zone is a modest to strong zone that follows the northern edge of a magnetic high and it has an associated modest resistively high.

Another IP zone was noted striking across lines 1300ME to 1000ME from 50MN to 100MS. This zone correlates to a moderate magnetic high on its eastern extension and runs along the northern contact of a spotty magnetic high on its western extension. This zone is a modest anomaly that has an associated resistivity high.

There are several shorter and weaker IP zones scattered across the remainder of the grid that are considered as low priority at this writing but should any of the more predominant zones return encouraging results then they would have to be re-evaluated.

**CONCLUSIONS AND RECOMMENDATIONS:**

The IP surveys were successful in locating and outlining a number of conductive zones across the grid area that generally correlate directly to the intrusive and or to the edges of the magnetic high trends. The most predominant zone correlates directly to the intrusive. It appears to be shallow and may be exposed along its strike length. The magnetic trends along strike of this main zone as well as offset to the northeast and south of the main zone may be indicative of at least two suspected cross structures. These cross structures appear to strike northeast and northwest and possibly centered on line 1600ME and 1700ME at about 100MN. Both of these structures appear to have interrupted the strike of the IP zones as well.

The primary target area for follow up surveys and or drilling would be in the area of the junction of these two cross structures or between lines 1200ME and 1800ME from 100MS to 400MN.

These IP, magnetic and VLF-EM survey results should be correlated to the elevated gold assay results that were noted in the soil sampling program. Should any of the IP and magnetic zones correlate to the gold areas then a drill program should be considered to test the anomalies at depth.

Respectfully submitted:



J. C. Grant, CET, FGAC  
May 2010.

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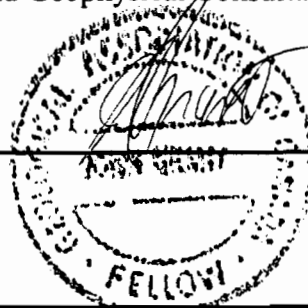
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**CERTIFICATION**

I, John Charles Grant, of 108 Kay Crescent, in the City of Timmins, Province of Ontario, hereby certify that:

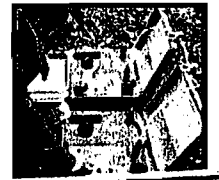
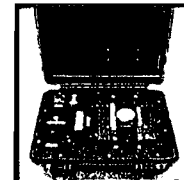
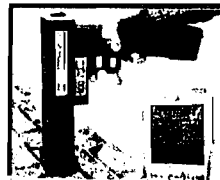
- 1). I am a graduate of Cambrian College of Applied Arts and Technology, 1975, Sudbury Ontario Campus, with a 3 year Honors Diploma in Geological and Geophysical Technology.
- 2). I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited, (5 years, 1975 to 1980), and currently as Exploration Manager and Chief Geophysicist for Exsics Exploration Limited, since May, 1980.
- 3). I am a member in good standing of the Certified Engineering Technologist Association, (CET), since 1984.
- 4). I am in good standing as a Fellow of the Geological Association of Canada, (FGAC), since 1986.
- 5). I have been actively engaged in my profession since the 15<sup>th</sup> day of May, 1975, in all aspects of ground exploration programs including the planning and execution of field programs, project supervision, data compilation, interpretations and reports.
- 6). I have no specific or special interest nor do I expect to receive any such interest in the herein described property. I have been retained by the property holders and or their Agents as a Geological and Geophysical Consultant and Contract Manager.

John Charles Grant, CET., FGAC.



APPENDIX A



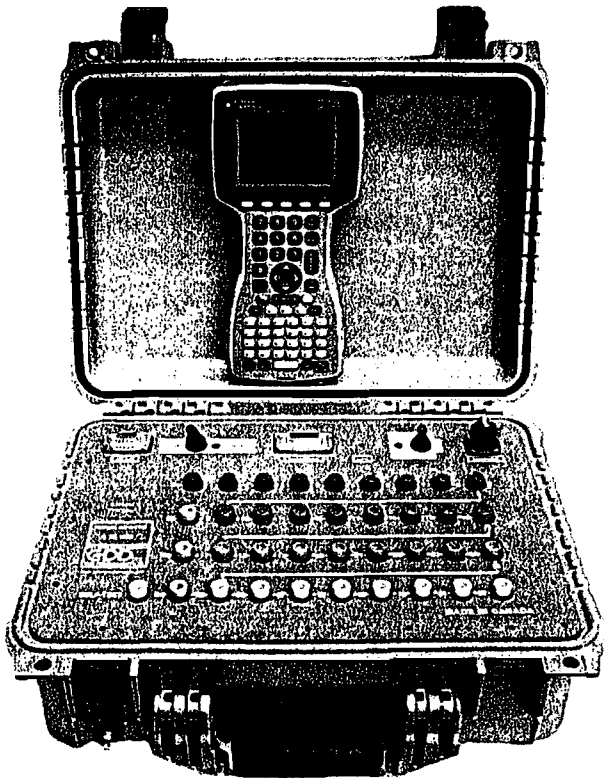


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 Sales, Rental, Customer Service, R&D and Field training

WWW.GDD.CA

## 32 Channels IP Receiver Model GRx8-32

*«Field users have reported that the GDD IP Receiver provided more repeatable readings than any other time domain IP receiver and it read a few additional dipoles.»*



### Features

- 8 channels expandable to 16, 24 or 32
- Reads up to 32 ch. simultaneously in poles or dipoles
- PDA menu-driven software / simple to use
- 32 channels configuration allows 3D Survey:  
 4 lines X 8 channels - 2 lines X 16 channels or  
 1 line X 32 channels
- Link to a PDA by Bluetooth or RS-232 port
- Real-time data and automatic data stacking (Full Wave)
- Screen-graphics: decay curves, resistivity, chargeability
- Automatic SP compensation and gain setting
- 20 programmable chargeability windows
- Survey capabilities: Resistivity and Time domain IP
- One 24 bit A/D converter per channel
- Gain from 1 to 1,000,000,000 ( $10^8$ )
- Shock resistant, portable and environmentally sealed

**GRx8-32:** This new receiver is a compact and low consumption unit designed for high productivity Resistivity and Induced Polarization surveys. It features high ruggedness allowing to work in any field conditions

**Reception poles/dipoles:** 8 simultaneous channels expandable to 16, 24 or 32, for dipole-dipole, pole-dipole or pole-pole arrays.

**Programmable windows:** The GRx8-32 offers twenty fully programmable windows for a higher flexibility in the definition of the IP decay curve.

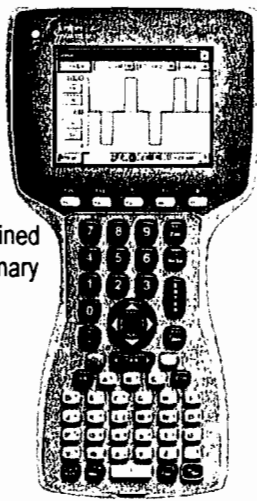
**User modes available:** Arithmetic, logarithmic, semi-logarithmic, Cole-Cole, IPR-12 and user define.

**IP display:** Chargeability values, Resistivity values and IP decay curves can be displayed in real time. The GRx8-32 can be used for monitoring the noise level and checking the primary voltage waveform.

**Internal memory:** The memory of 64 megabytes can store 64,000 readings. Each reading totalizes one kilobyte and includes the full set of parameters characterizing the measurements on 8 channels. The data is stored in flash memories not requiring any lithium battery for safeguard. A flash card stores the full wave signal for post-treatment processing.

## SPECIFICATIONS

**Number of channels:** 8, expandable to 16, 24 or 32  
**Survey capabilities:** Resistivity and Time domain IP  
**Twenty chargeability windows:** Arithmetic, logarithmic, semi-logarithmic, IPR-12 and user defined  
**Synchronization:** Automatic re-synchronization process on primary voltage signal  
**Noise reduction:** Automatic stacking number  
**Computation:** Apparent resistivity, chargeability, standard deviation, and % of symmetrical Vp  
**Size:** 41 X 33 X 18 cm (16 X 13 X 7 in)  
**Weight (32 channels):** 8.9 kg (19.6 lb)  
**Enclosure:** Heavy-duty Pelican case, environmentally sealed  
**Serial ports:** RS-232 and Bluetooth to communicate with a PDA  
**Temperature range:** -45 to +60°C (-49 to +140°F)  
**Humidity range:** Waterproof



## PDA included with GRx8-32

Standard Juniper - Allegro CX mobile PDA computer provided with the GDD receiver with all accessories.

**Operating system:** Windows CE

Comes with Bluetooth and RS-232

## ELECTRICAL CHARACTERISTICS

**Ground Resistance:** Up to 1.5 MΩ  
**Signal waveform:** Time domain (ON+, OFF, ON-, OFF)  
**Time base:** 0.5, 1, 2, 4 and 8 seconds  
**Input impedance:** 10<sup>4</sup> Ω  
**Primary voltage:** ±10 μV to ±15 V for any channel  
**Input:** True differential for common-mode rejection in dipole configuration  
**Voltage measurement:** Resolution 1 μV  
**SP offset adjustment:** ± 5 V, automatic compensation through linear drift correction per steps of 150 μV  
**Filter:** Eight-pole Bessel low-pass 15 Hz, notch filter 50 Hz and 60 Hz

## POWER

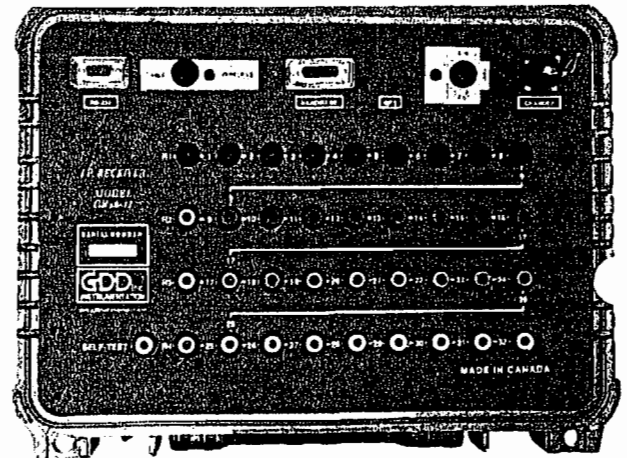
**Power:** -12 V rechargeable batteries.  
 -Standard plug for external battery.



↑ Components included with GDD IP Receiver GRx8-32

8 Channels →  
 +8 = 16 Ch. →  
 +8 = 24 Ch. →  
 +8 = 32 Ch. →

## 32 channels GDD GRx8-32 IP Receiver



A	1x	Not shown but included: Receiver
B	1x	Not shown but included: Transportation box
C	1x	GRx8-32 IP receiver wall charger (120-240V)
D		Red cable banana/alligator (8 ch/10x, 16 ch/19x, 24 ch/28x, 32 ch/37x)
E	2x	Black cable banana/alligator
F	1x	Allegro Cx field computer
G	1x	Allegro Cx wall charger (120-240V)
H	1x	Serial communication cable 9 pos. D-SUB female - 9 pos. D-SUB female
I	2x	Serial communication cable 9 pos. D-SUB female - 5 pos. Amphenol male
K	1x	Allegro Cx shoulder strap

L	1x	Allegro Cx hand strap
M	2x	Allegro Cx NIMH battery pack 3000mAh 3.6V
N	1x	Allegro Cx external NIMH 3000mAh 3.6V battery charger (120-240V)
O	1x	Allegro Cx utility CD
P	1x	Allegro Cx AA alkaline battery holder
Q	1x	Charger with 4 AA 2400mAh 1.2V NIMH batteries
R	1x	Allegro Cx USB power dock
S	1x	Allegro Cx USB cable for USB power dock
T	tx	Not shown but included: Instruction manual (Receiver)
U	tx	Not shown but included: Instruction manual (Allegro Cx mobile PDA)

## PURCHASE

Can be shipped anywhere in the world.

RENTAL - available in Canada and USA only

Starts on the day the instrument leaves GDD office in Quebec to the day of its return in GDD office. 50% of the rental fees up to a maximum of 4 months can be credited towards the purchased of the rented instrument.

## WARRANTY

All GDD instruments are covered by a one-year warranty. All repairs will be done free of charge at our office in Quebec, Quebec, Canada.

## SERVICE

If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instruments availability).

## OTHER COSTS

Shipping, insurances, customs and taxes are extra if applicable.

## PAYMENT

Checks, credit cards, bank transfer, etc.



3700, boul. de la Chaudière, suite 200  
 Québec (Québec), Canada G1X 4B7  
 Phone: +1 (418) 877-4249  
 Fax: +1 (418) 877-4054  
 E-Mail: [gdd@gddinstrumentation.com](mailto:gdd@gddinstrumentation.com)  
 Web Site: [www.gddinstrumentation.com](http://www.gddinstrumentation.com)

Specifications are subject to change without notice  
 Printed in Quebec, Canada, 2008

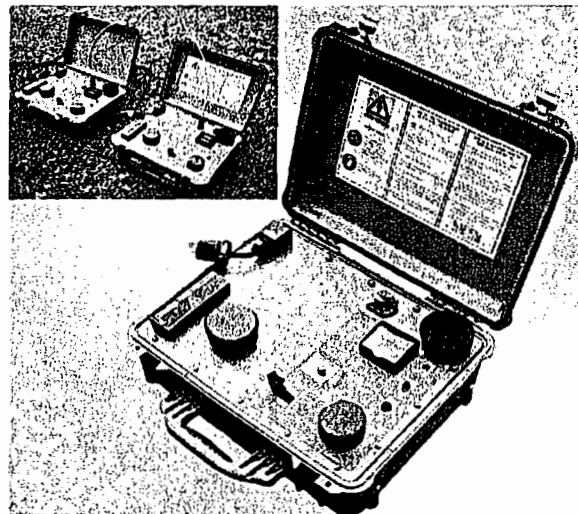
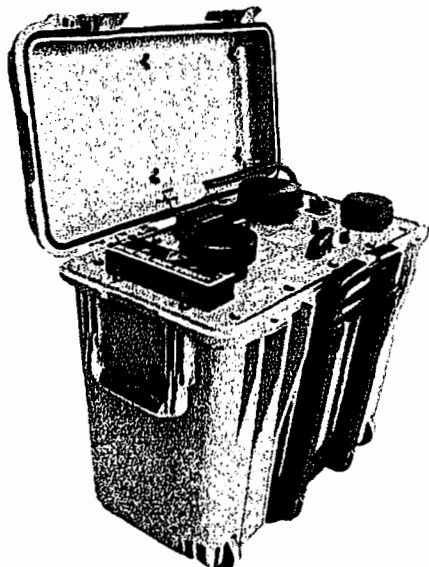


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## Induced Polarization Transmitter

**TxIII-1800W-2400V-10A Model**

**TxII-3600W-2400V-10A Model**



**New feature: link two GDD 1800W or 3600W IP TX together and double the voltage (4800V) and power .**

Its high power combined with its light weight and a Honda generator makes it particularly suitable for dipole-dipole Induced Polarization surveys.

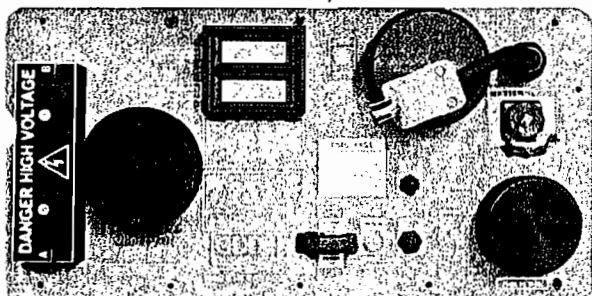
- Protection against short circuits even at zero (0) ohm
- Output voltage range: 150 V – 2400 V / 14 steps
- Power source: 120 V – Optional: 220 V, 50 / 60 Hz
- Displays electrode contact, transmitting power and current
- One-year warranty on parts and labour

This backpackable 1800 watts Induced Polarization (I.P.) transmitter works from a standard 120 V source and is well adapted to rocky environments where a high output voltage of up to 2400 volts is needed. Moreover, in highly conductive overburden, at 150 V, the highly efficient TxII-1800W transmitter is able to send current up to 10 A. By using this I.P. transmitter, you obtain fast and high-quality I.P. readings even in the worst conditions. Link two GDD 1800 W IP TX together and transmit up to 3600 watts – 4800 volts – 10 amps.

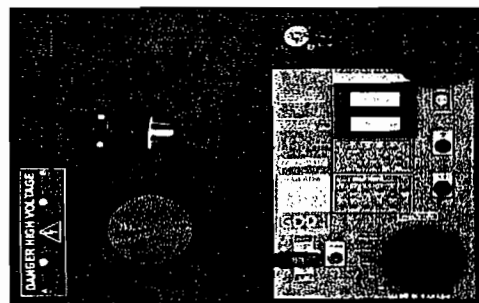
Its high power combined with a Honda generator makes it particularly suitable for pole-dipole Induced Polarization surveys.

- Protection against short circuits even at zero (0) ohm
- Output voltage range: 150 V – 2400 V / 14 steps
- Power source: 220 V, 50 / 60 Hz - standard 220 V generator
- Displays electrode contact, transmitting power and current
- One-year warranty on parts and labour

This 3600 watts Induced Polarization (I.P.) transmitter works from a standard 220 V source and is well adapted to rocky environments where a high output voltage of up to 2400 volts is needed. Moreover, in highly conductive overburden, at 350 V, the highly efficient TxII-3600W transmitter is able to send current up to 10 A. By using this I.P. transmitter, you obtain fast and high-quality I.P. readings even in the most difficult conditions. Link two GDD 3600 W IP TX together and transmit up to 7200 watts – 4800 volts – 10 amps.



Face plate of the  
←1800W  
and  
3600W→  
IP Tx





## SPECIFICATIONS

### TxII-1800W

- Size: 50cm x 30.5cm x 45.7 cm
- Weight: approximately 28 kg
- Operating temperature: -40 °C to 65 °C

### TxII-3600W

- Size: 51 X 41.5 X 21.5 cm – built in transportation box from Pelican
- Weight: approximately 32 kg
- Operating temperature: -40 °C to 65 °C

## ELECTRICAL CHARACTERISTICS

### TxII-1800W and TxII-3600W

- Standard time base of 2 seconds for time-domain: 2 seconds ON, 2 seconds OFF
- Optional time base: DC, 0.5, 1, 2, 4 or DC, 1, 2, 4, 8 seconds
- Output current range: 0.030 to 10 A (normal operation)  
0.000 to 10 A (cancel open loop)
- Output voltage range: 150 to 2400 V / 14 steps
- Ability to link 2 GDD Tx to double power using optional Master / Slave cable

## CONTROLS

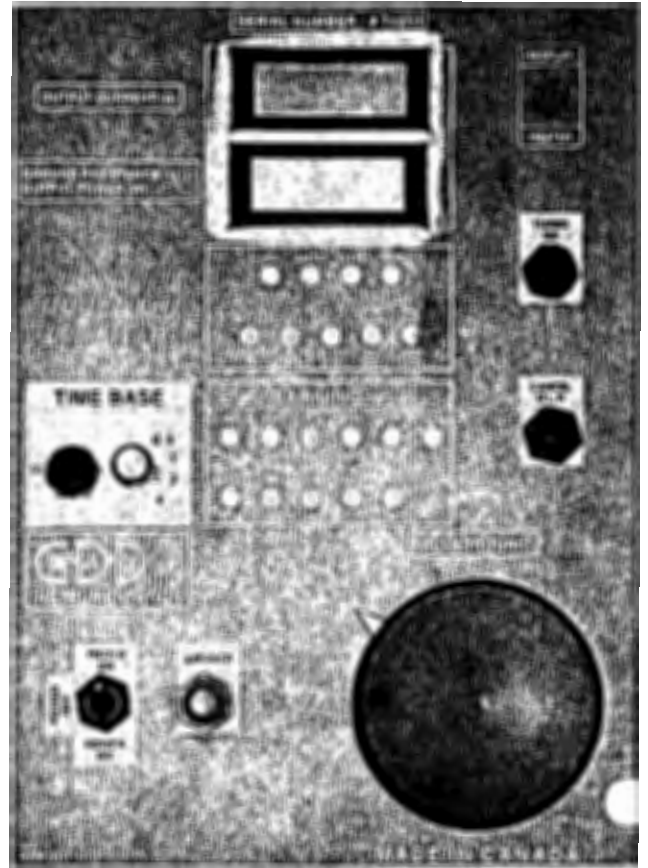
### TxII-1800W and TxII-3600W

- Power ON/OFF
- Output voltage range switch: 150 V, 180 V, 350 V, 420 V, 500 V, 600 V, 700 V, 840 V, 1000 V, 1200 V, 1400 V, 1680 V, 2000 V, 2400 V

## DISPLAYS

### TxII-1800W and TxII-3600W – now 2 displays

- Output current LCD: reads to  $\pm 0.0010$  A.
- Electrode contact displayed when not transmitting.
- Output power displayed when transmitting.
- Automatic thermostat controlled LCD heater for read-out.
- Total protection against short circuits even at zero (0) ohm.
- Indicator lamps in case of overload:
  - High voltage ON/OFF
  - Generator over or undervoltage
  - Logic fail
  - Output overcurrent
  - Overheating
  - Open Loop Protection



## POWER

### TxII-1800W

Recommended generator:

- Standard 120 V / 60 Hz backpackable Honda generator
- Suggested models: Honda EU1000iC, 1000 W, 13.5 kg or Honda EU2000iC, 2000 W, 21.0 kg

### TxII-3600W

Recommended generator :

- Standard 220 V, 50 / 60 Hz Honda generator
- Suggested models: EM3500XK1C, 3500 W, 62 kg or EM5000XK1C, 5000 W, 77 kg

## DESCRIPTION

### TxII-1800W

- Includes shipping box, instruction manual and 110 V plug
- Optional backpackable Tx frame, Master / Slave optional cable

### TxII-3600W

- Includes built-in shipping box, instruction manual and 220 V plug
- Optional 220 V extension, Master / Slave optional cable

## PURCHASE

Can be shipped anywhere in the world.

RENTAL – available in Canada and USA only

Starts on the day the instrument leaves GDD office in Quebec to the day of its return in GDD office. 50% of the rental fees up to a maximum of 4 months can be credited towards the purchased of the rented instrument.

## WARRANTY

All GDD instruments are covered by a one-year warranty. All repairs will be done free of charge at our office in Quebec, Quebec, Canada.

## OTHER COSTS

Shipping, insurances, customs and taxes are extra if applicable.

## PAYMENT

Checks, credit cards, bank transfer, etc

## SERVICE

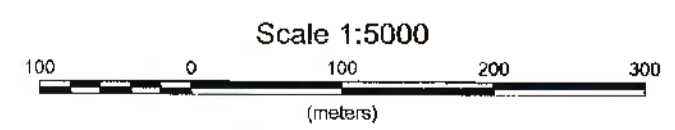
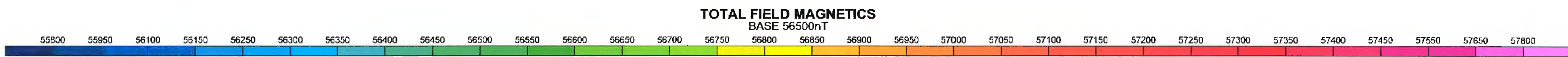
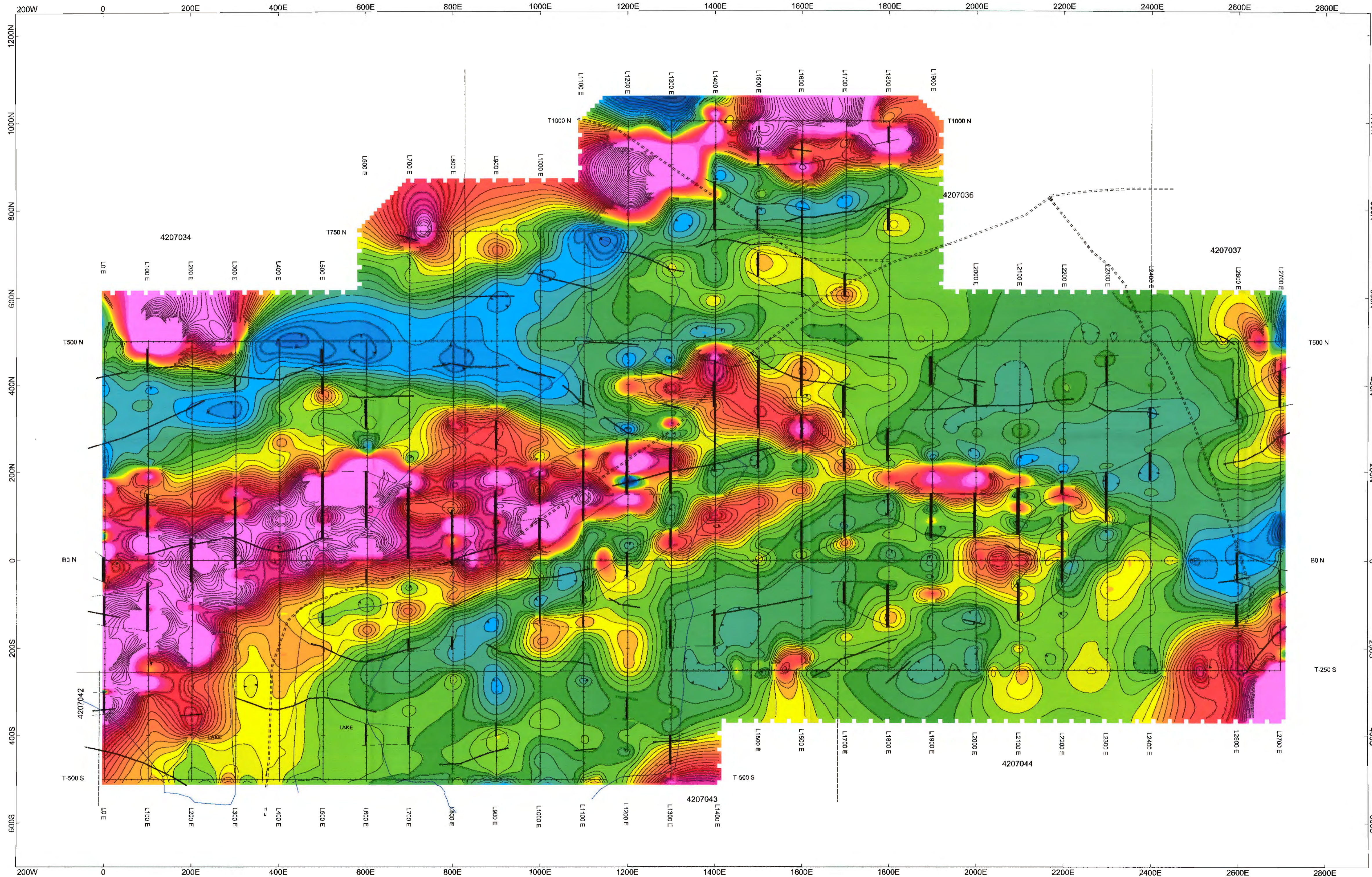
If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instruments availability).



3700, boul. de la Chaudière, suite 200  
Québec (Québec)  
Canada G1X 4B7  
Phone: +1 (418) 877-4249  
Fax: +1 (418) 877-4054  
E-Mail: [gdd@gddinstrumentation.com](mailto:gdd@gddinstrumentation.com)  
Web Site: [www.gddinstrumentation.com](http://www.gddinstrumentation.com)

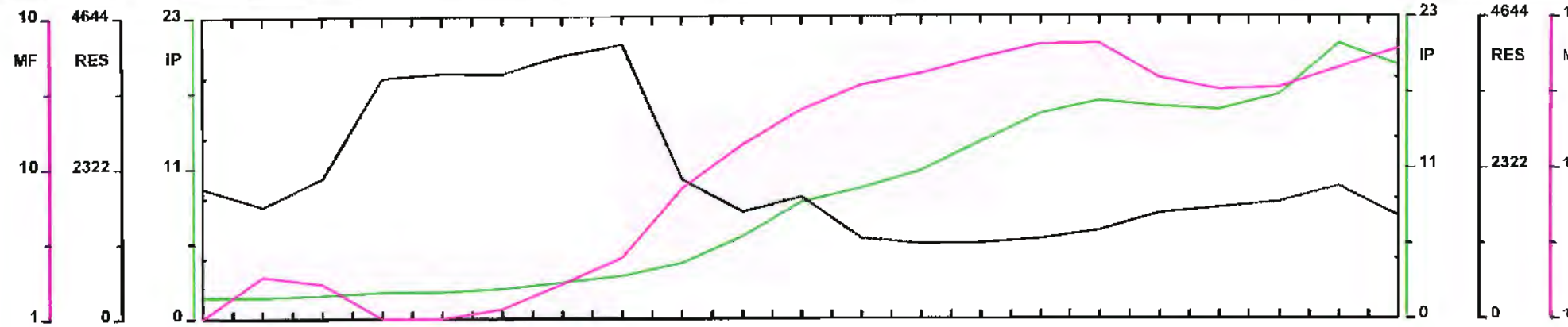
Specifications are subject to change without notice  
Printed in Quebec, Canada, 2008



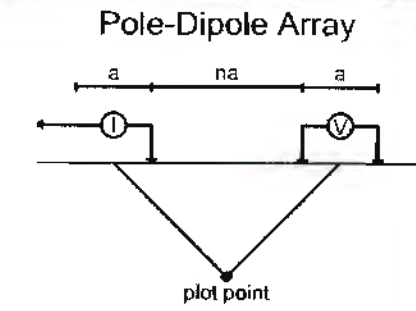


GOLDEN CHALICE RESOURCES INC.  
 PENHORWOOD PROJECT-PENHORWOOD TOWNSHIP  
 TOTAL FIELD MAGNETIC SURVEY/ IP ANOMALIES  
 SCINTREX ENVI MAG SYSTEM  
 CONTOURED: 50 nT  
 JAN/2010 EXSICS EXPLORATION LIMITED E-684



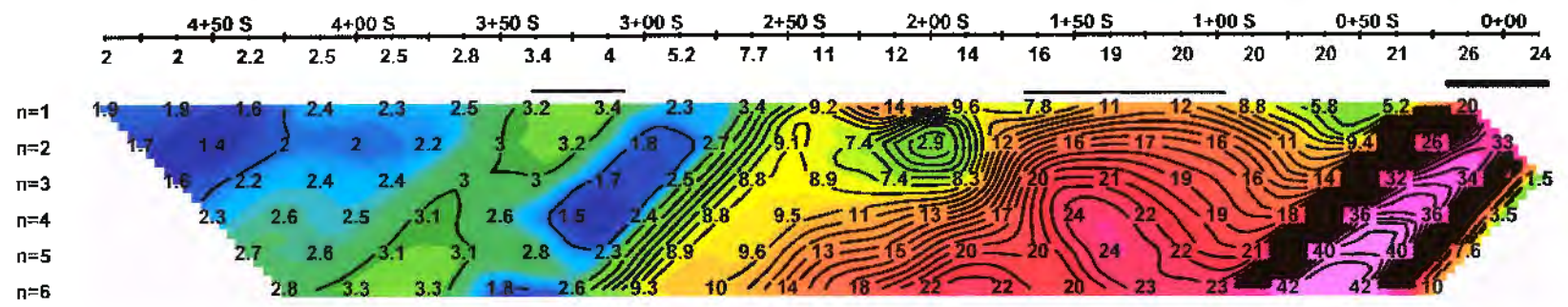


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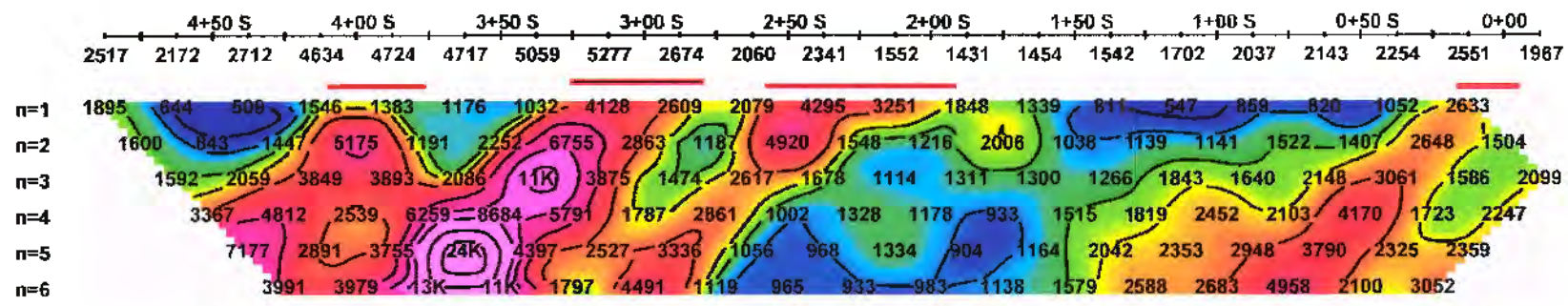
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 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V



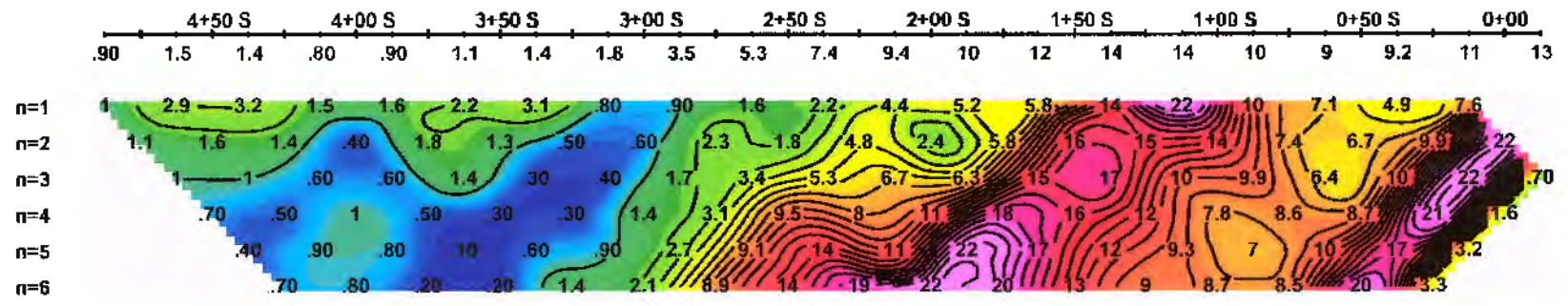
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MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

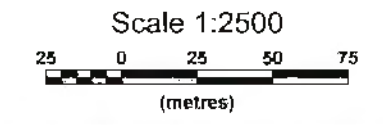
METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

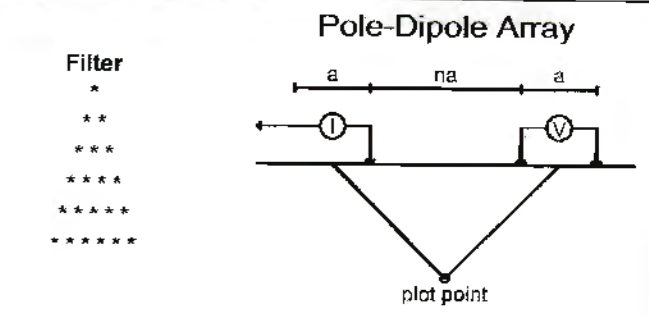
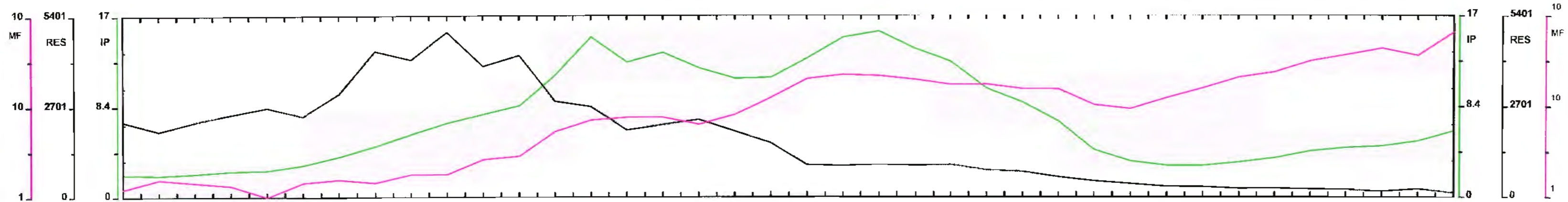
CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS  
 RECEIVER : GDD.GR8-32  
 TRANSMITTER : GDD.3.6KWATT



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 0+00E  
 Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



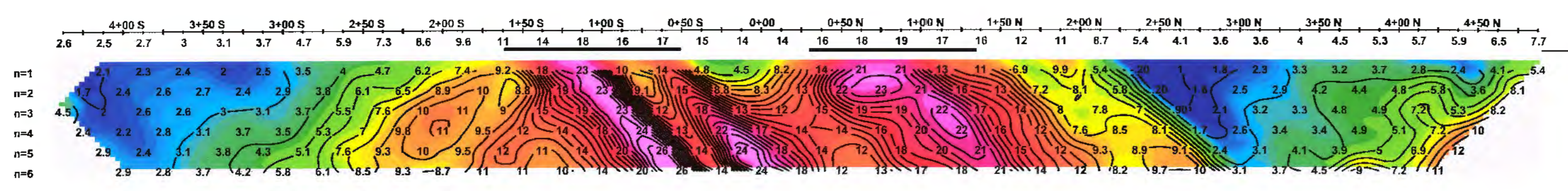


DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

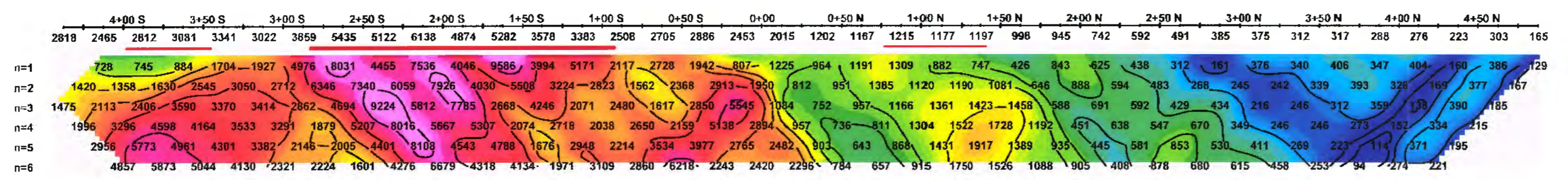
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

CHARGEABILITY  
mV/V



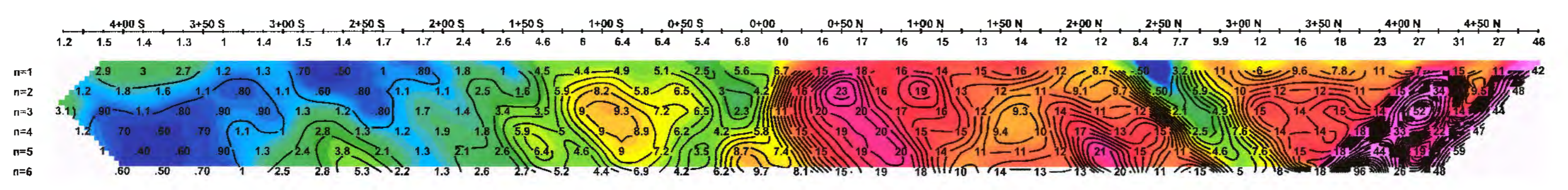
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m

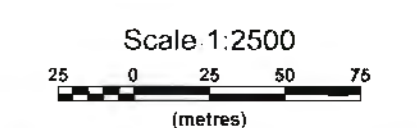


RESISTIVITY  
OHMS/M

METAL  
FACTOR

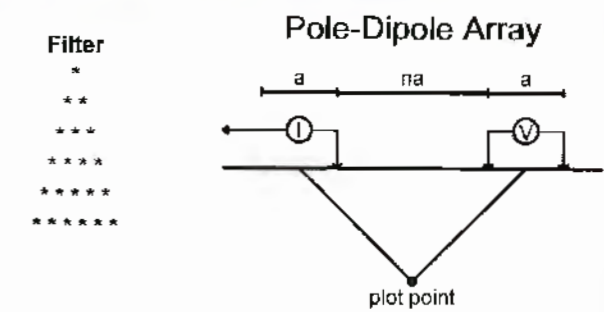
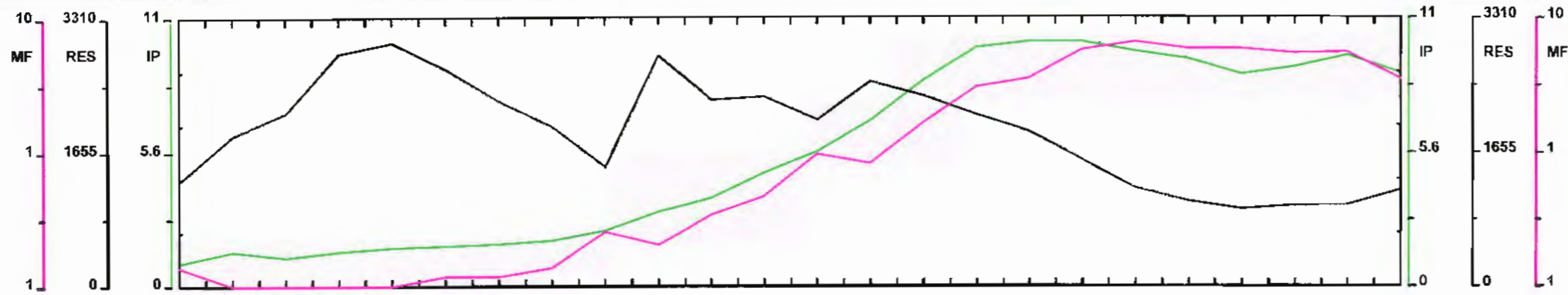


METAL FACTOR  
IPX1000/RES



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 1+00E  
 Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



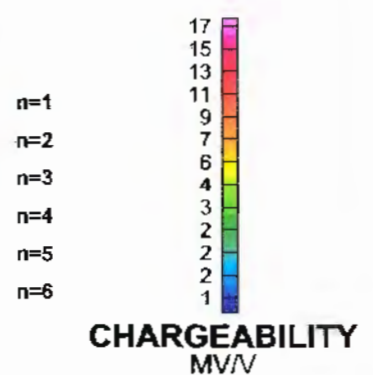
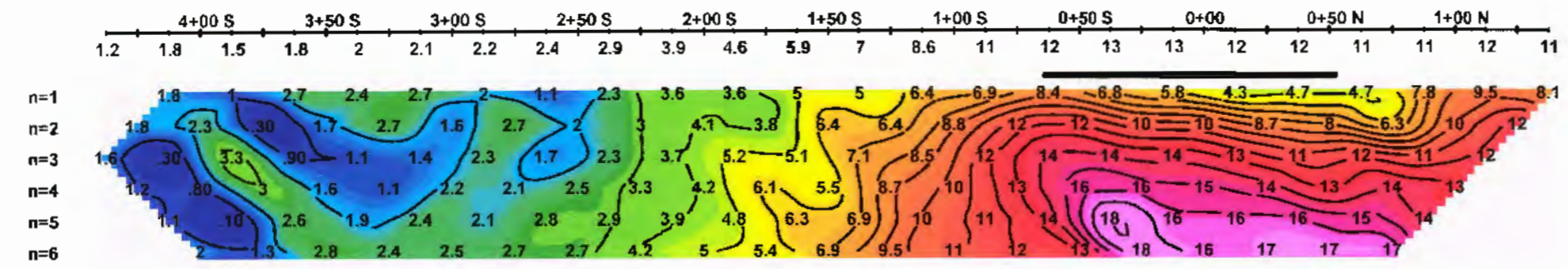


DIPOLE LENGTH :  $a=25$   
 DIPOLE SPACINGS :  $n = 6$   
 FREQUENCIES :

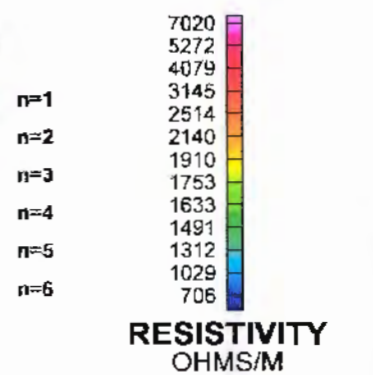
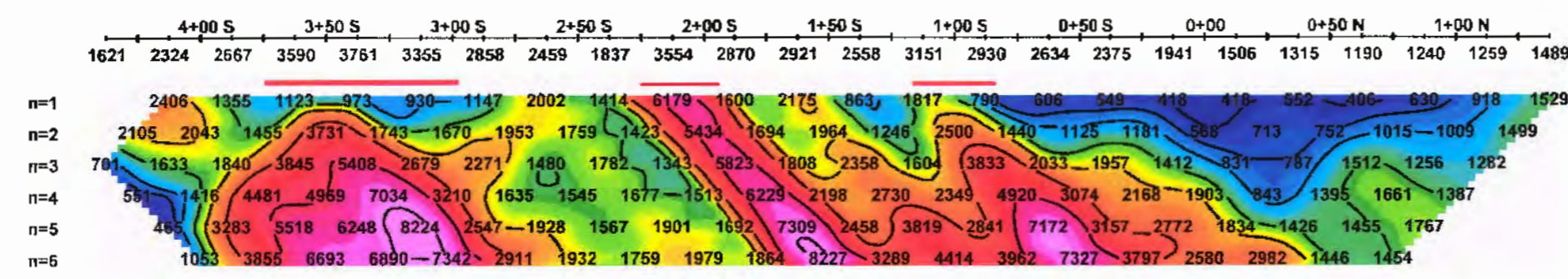
CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

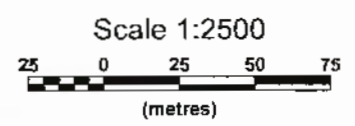
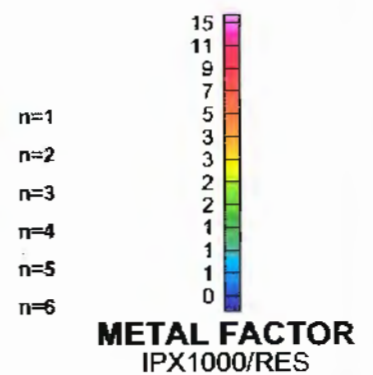
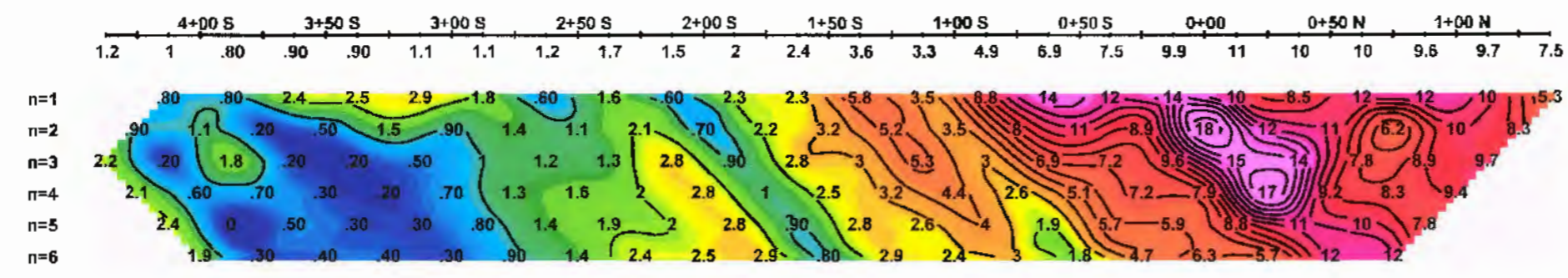
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m



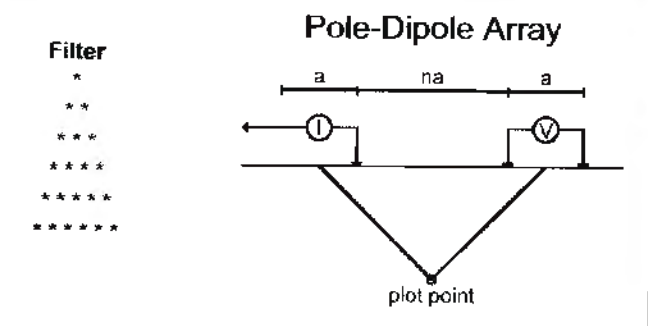
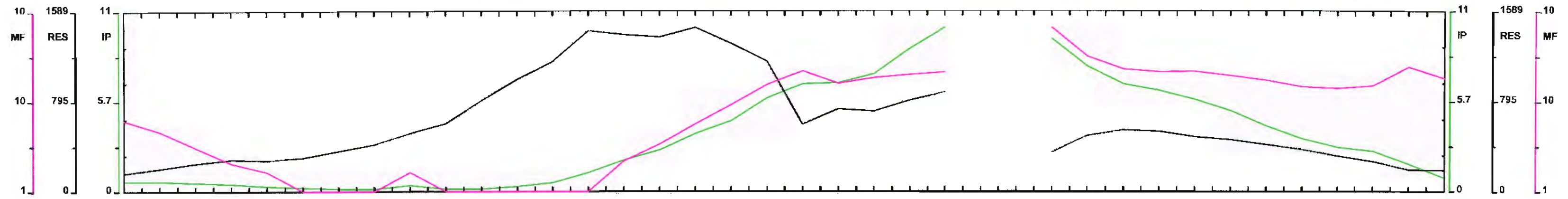
METAL  
FACTOR



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 2+00E

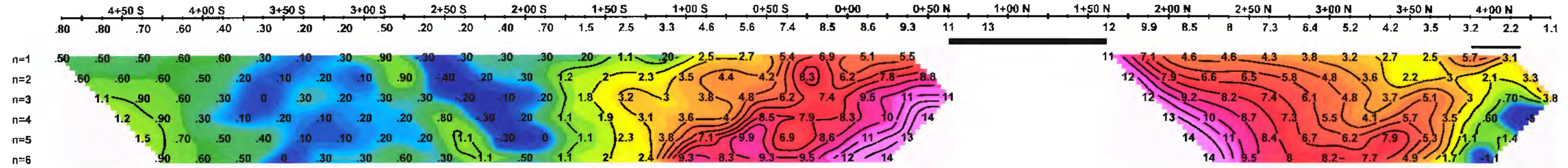
Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





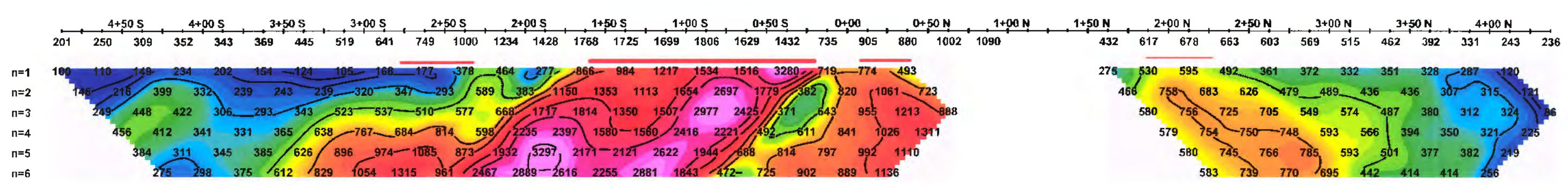
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V



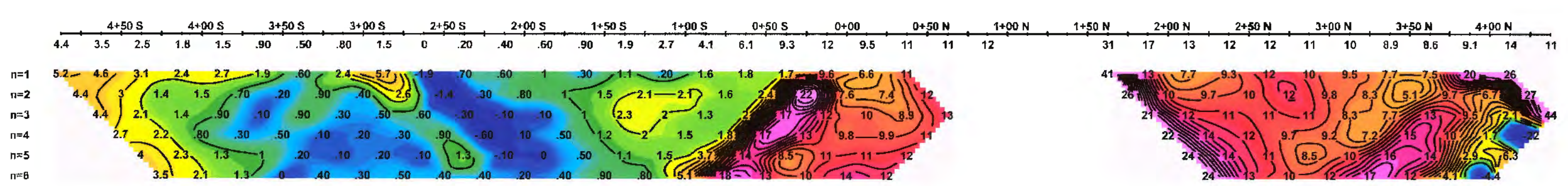
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

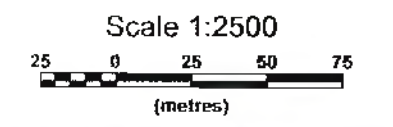
METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

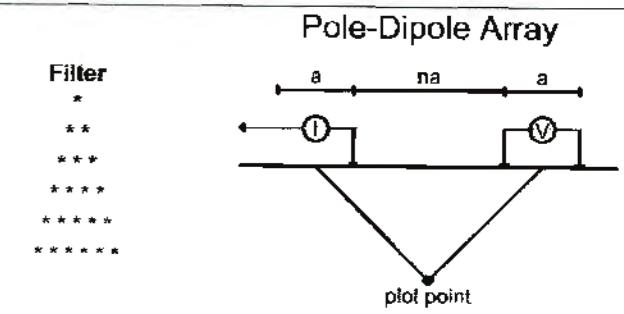
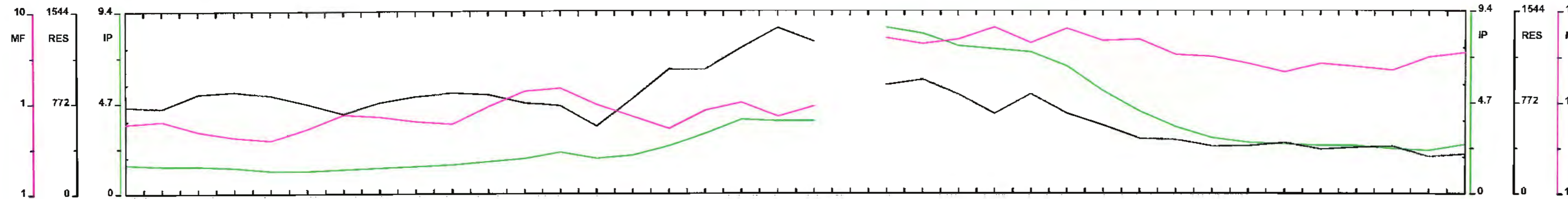
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 3+00E

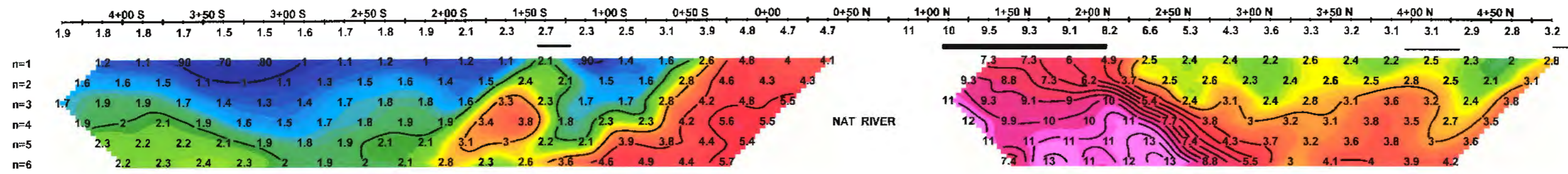
Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V

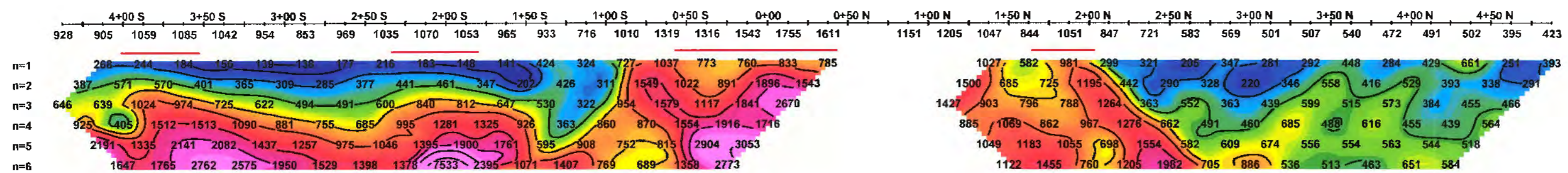


CHARGEABILITY  
MV/V

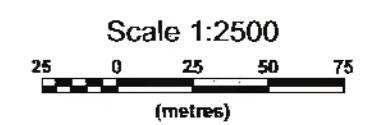
CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

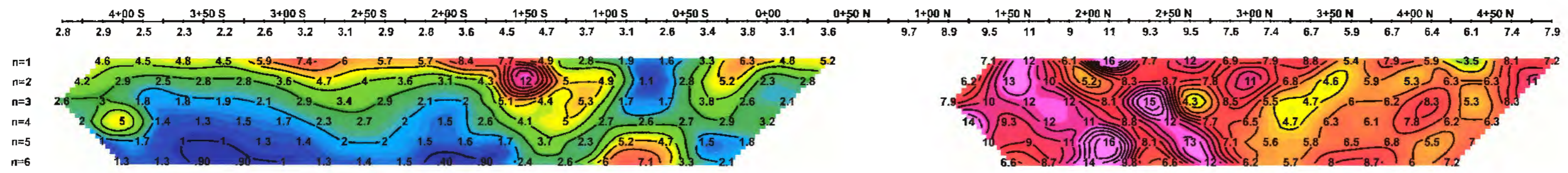
APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M



METAL  
FACTOR

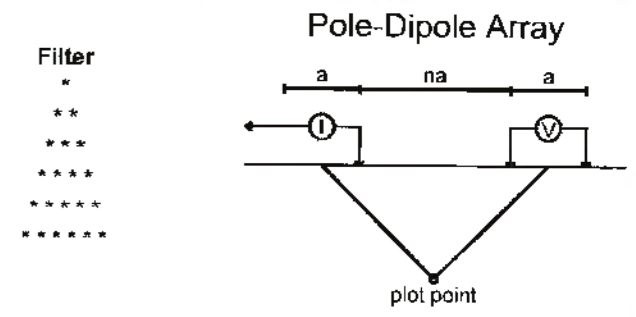
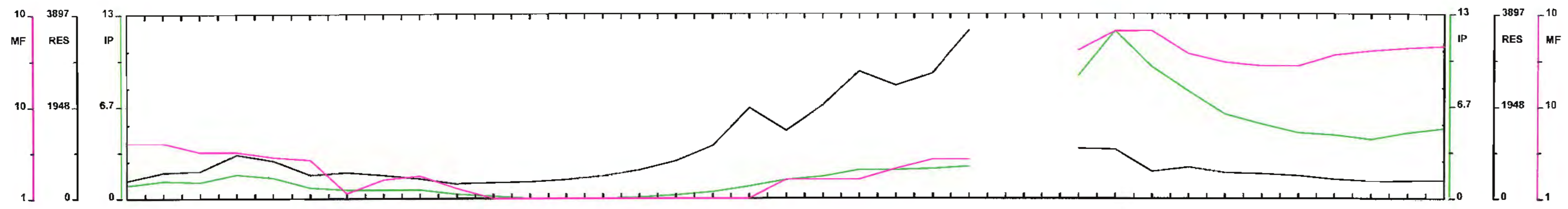


METAL FACTOR  
IPX1000/RES

GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 5+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

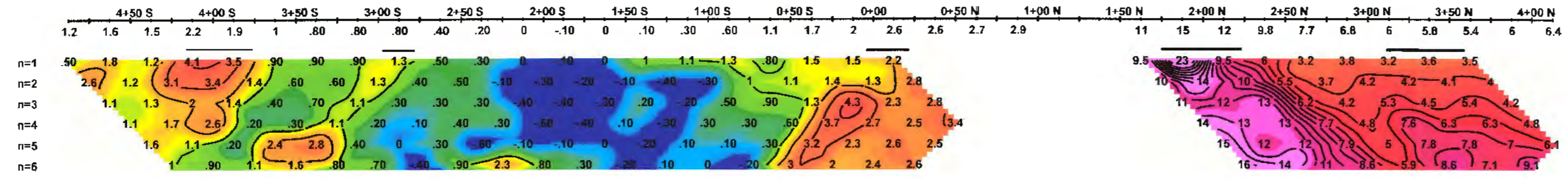




DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

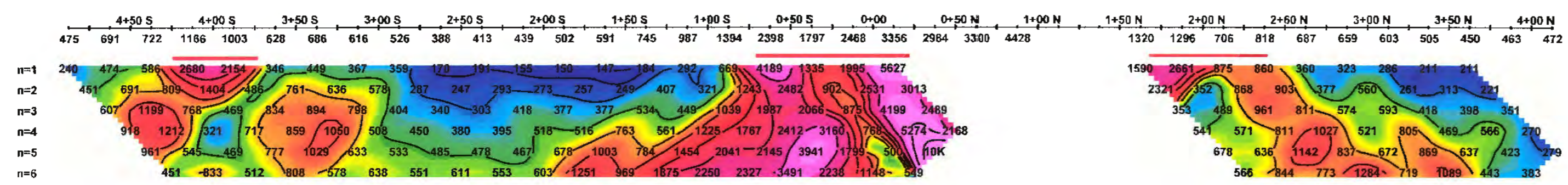
CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

CHARGEABILITY  
mV/V



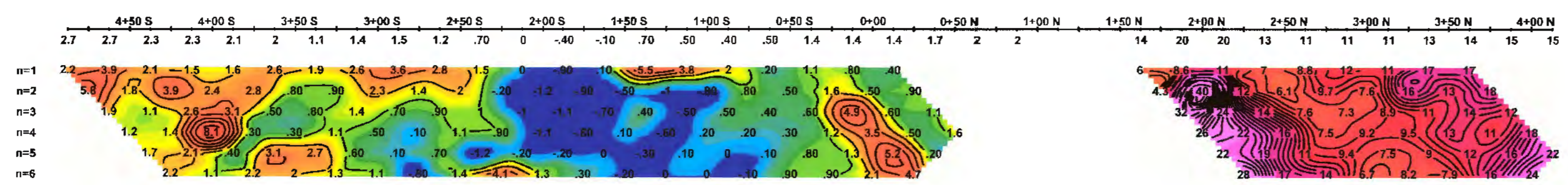
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m

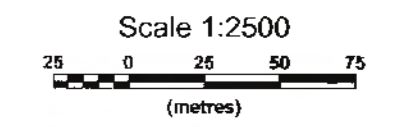


RESISTIVITY  
OHMS/M

METAL  
FACTOR



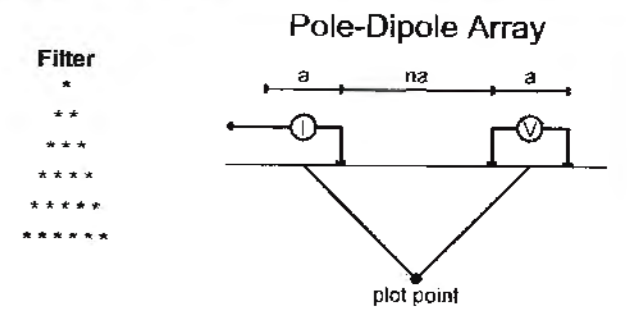
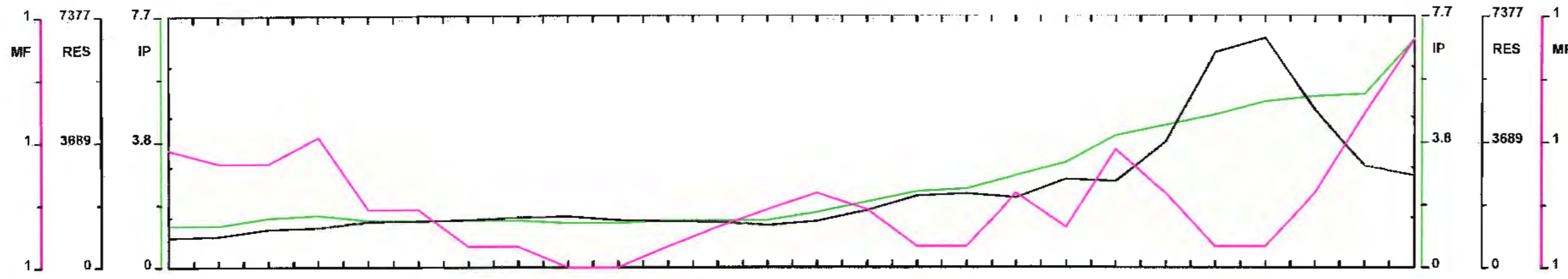
METAL FACTOR  
IPX1000/RES



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 6+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

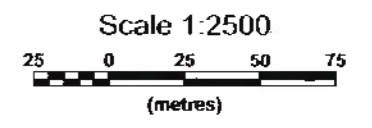




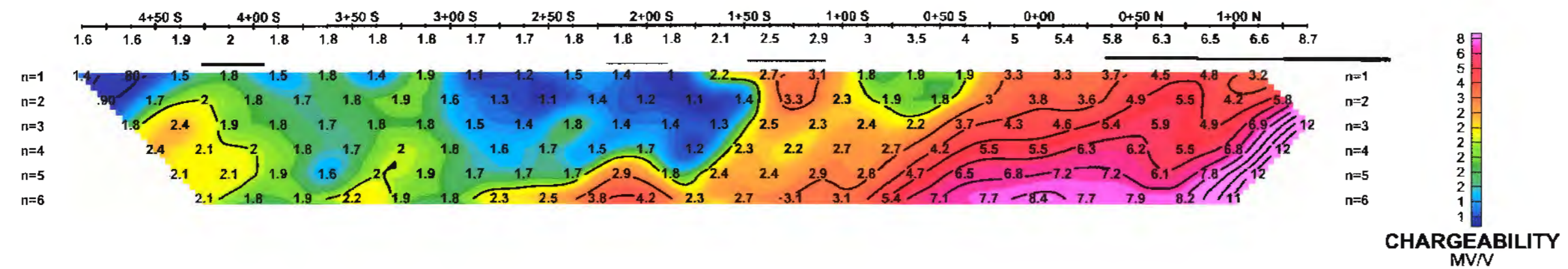
DIPOLE LENGTH : a=10M  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

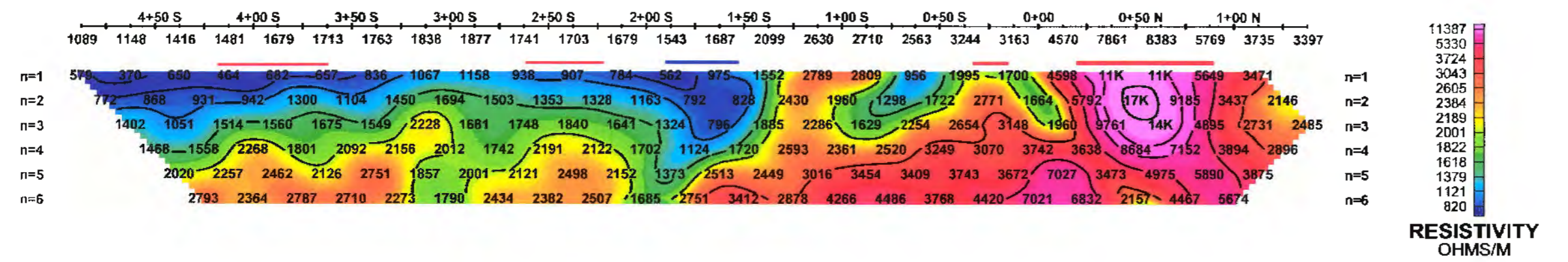
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



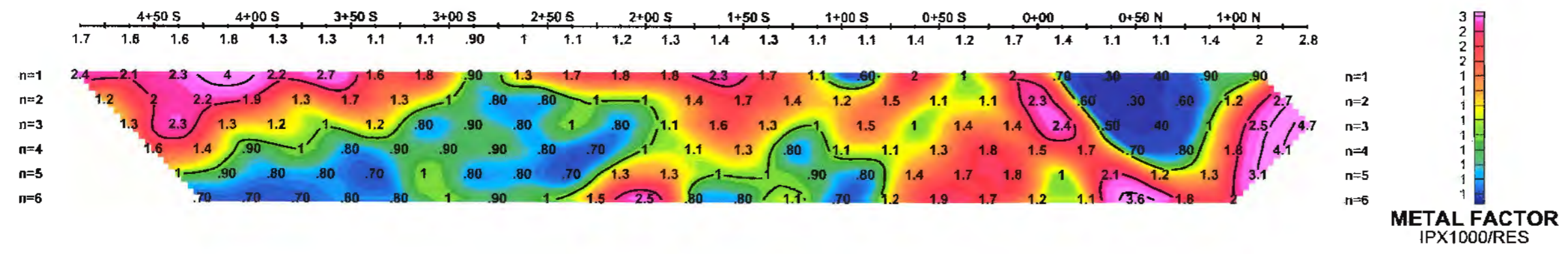
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m



METAL  
FACTOR



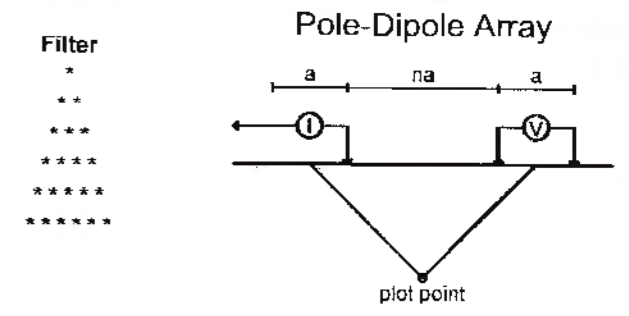
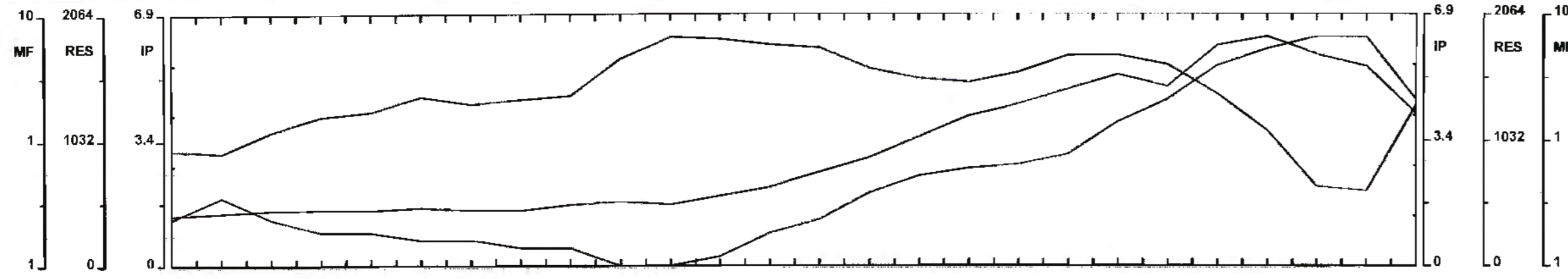
GOLDEN CHALICE RESOURCES INC

INDUCED POLARIZATION

LINE 7+00E

Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



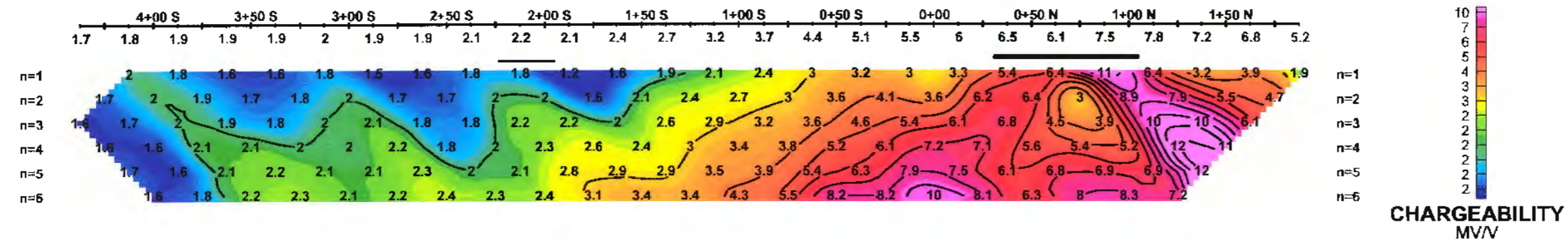


DIPOLE LENGTH : a=10M  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

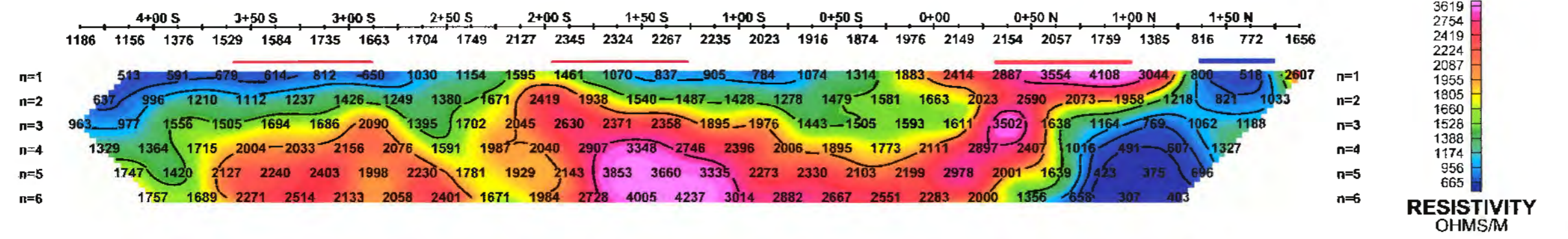
CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

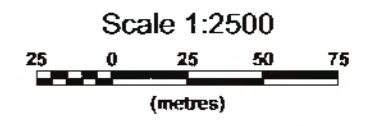
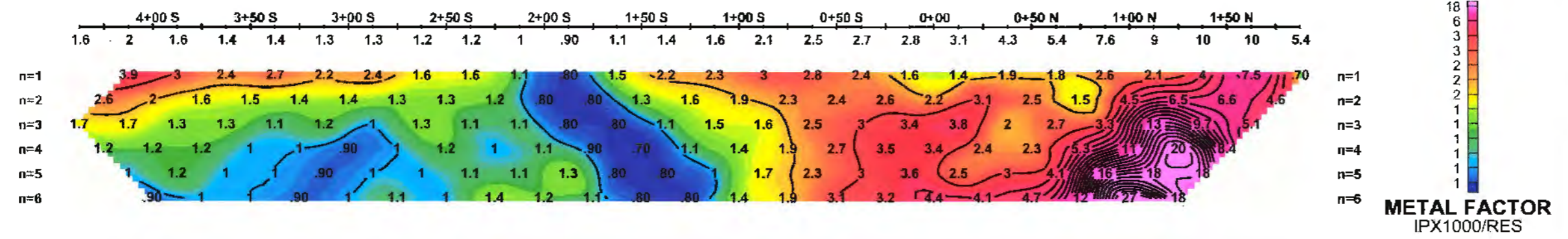
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m



METAL  
FACTOR



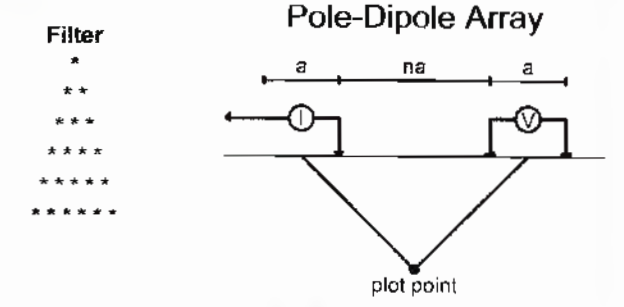
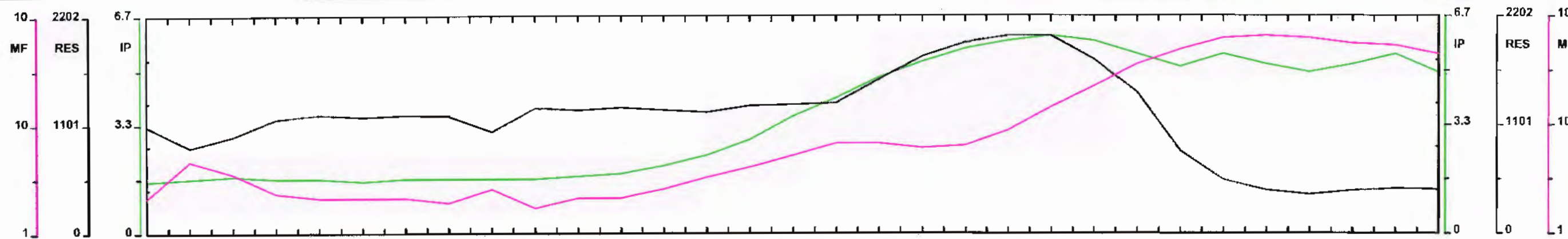
GOLDEN CHALICE RESOURCES INC.

INDUCED POLARIZATION

LINE 8+00E

Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



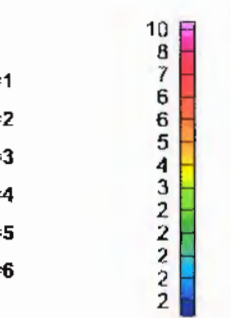
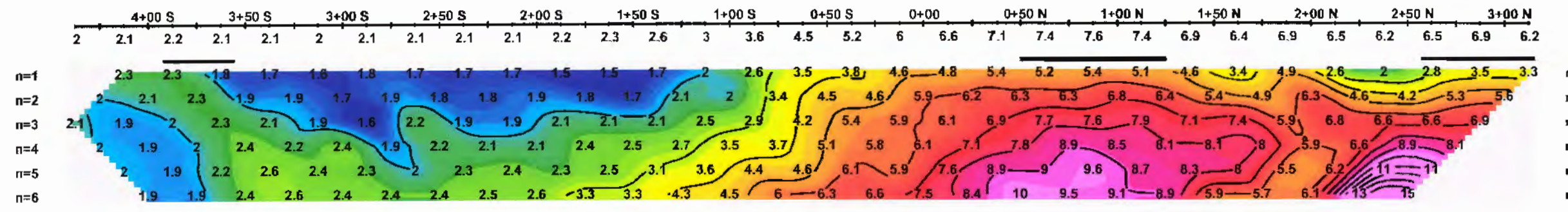


DIPOLE LENGTH : a=10M  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

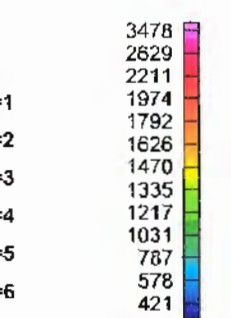
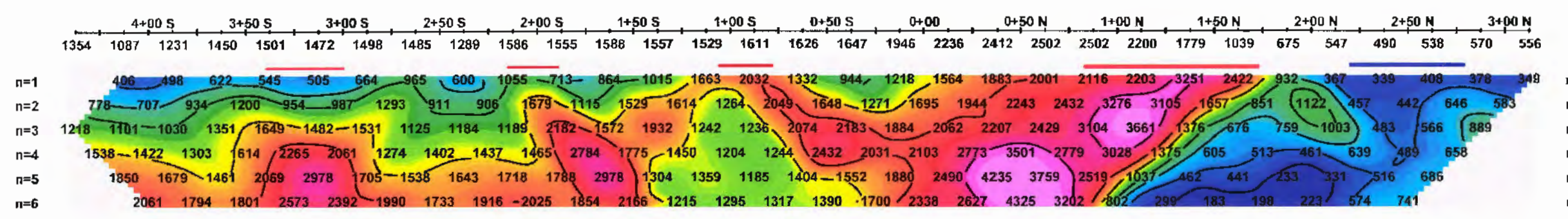
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

CHARGEABILITY  
mV/V



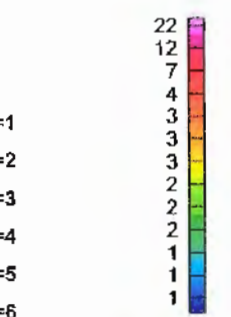
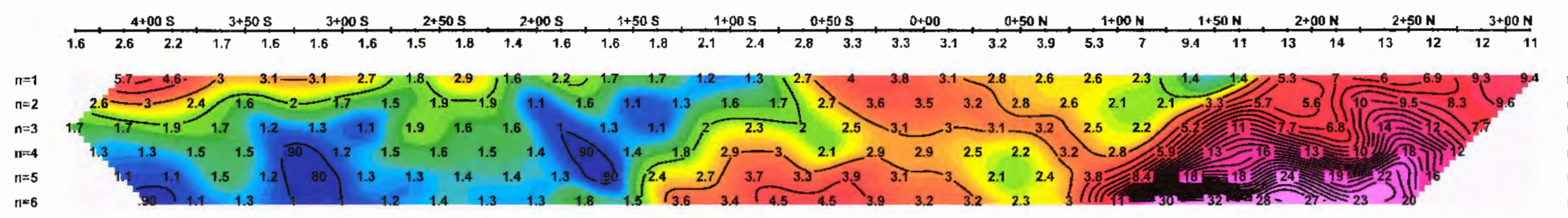
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m

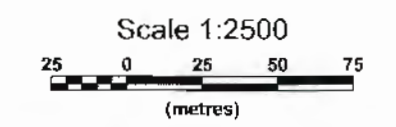


RESISTIVITY  
OHMS/M

METAL  
FACTOR



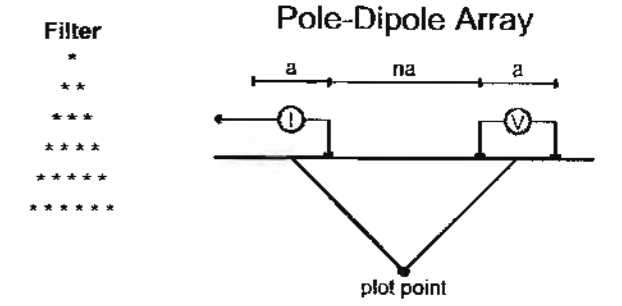
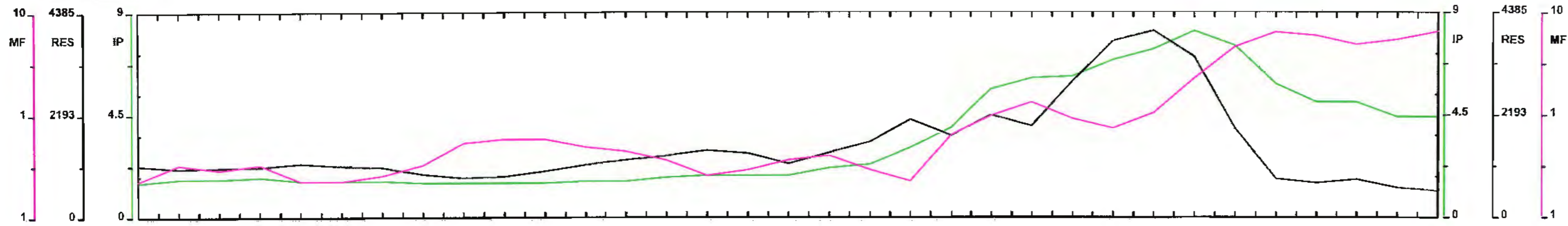
METAL FACTOR  
IPX1000/RES



GOLDEN CHALICE RESOURCES INC.  
 INDUCED POLARIZATION  
 LINE 9+00E

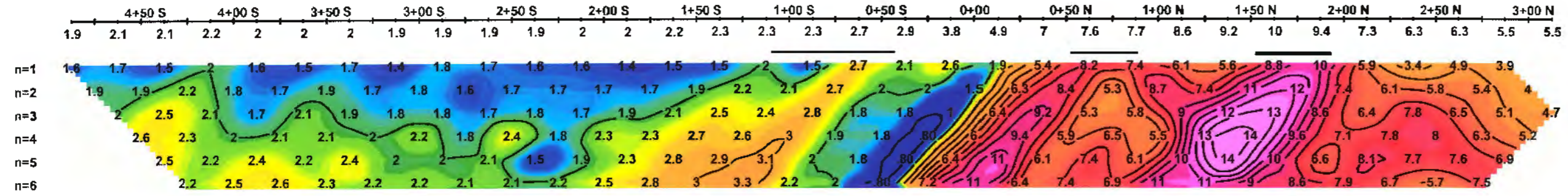
Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





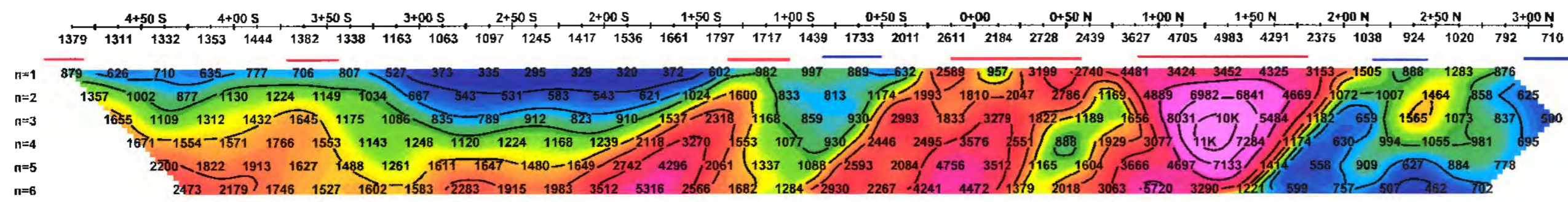
DIPOLE LENGTH :  $a=10M$   
 DIPOLE SPACINGS :  $n = 6$   
 FREQUENCIES :

CHARGEABILITY  
mV/V



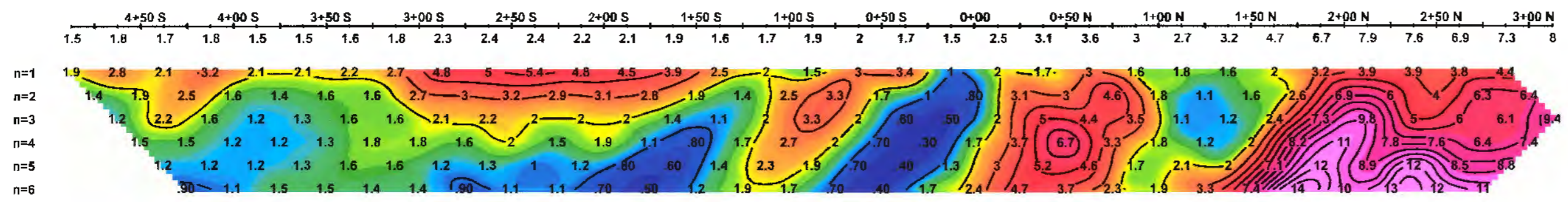
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

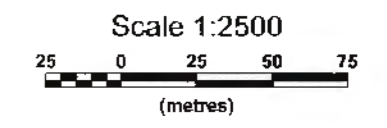
METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS  
 RECEIVER : GDD.GRx8-32  
 TRANSMITTER : GDD.3.6KWATT

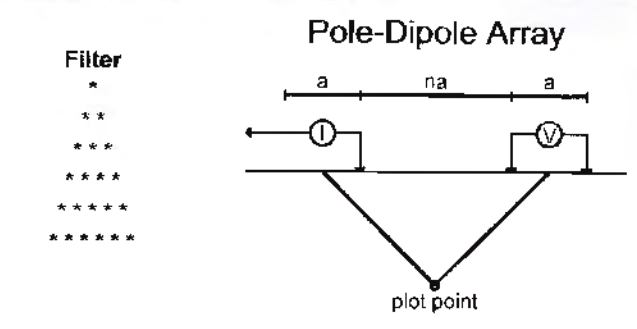
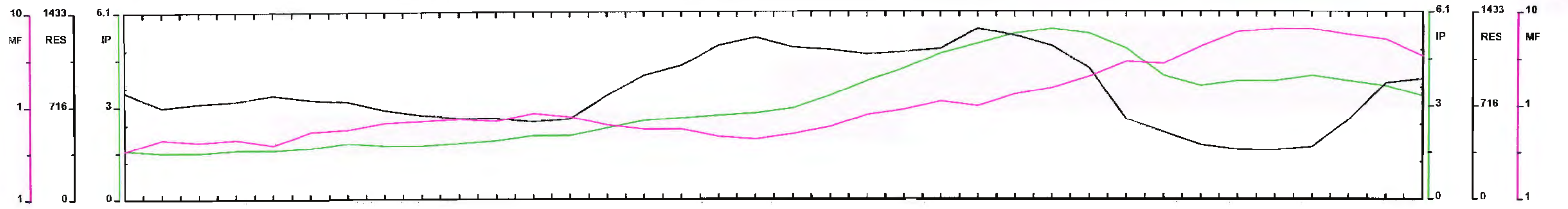


GOLDEN CHALICE RESOURCES INC.  
 INDUCED POLARIZATION

LINE 10+00E

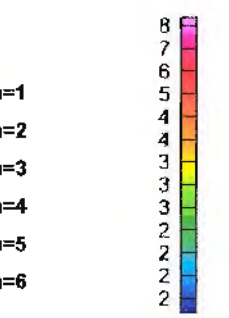
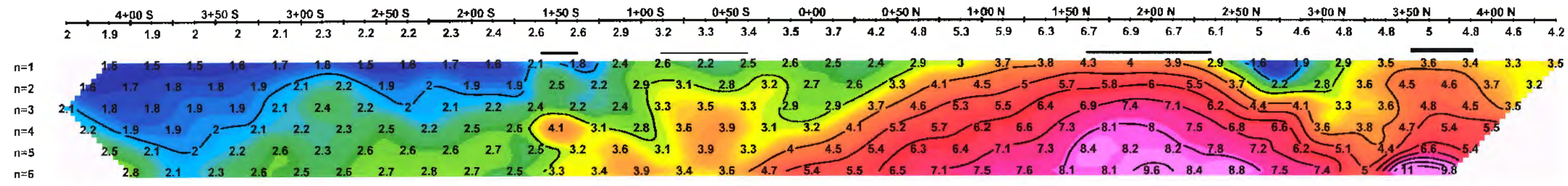
Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





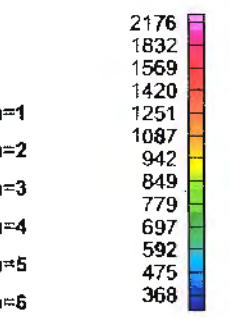
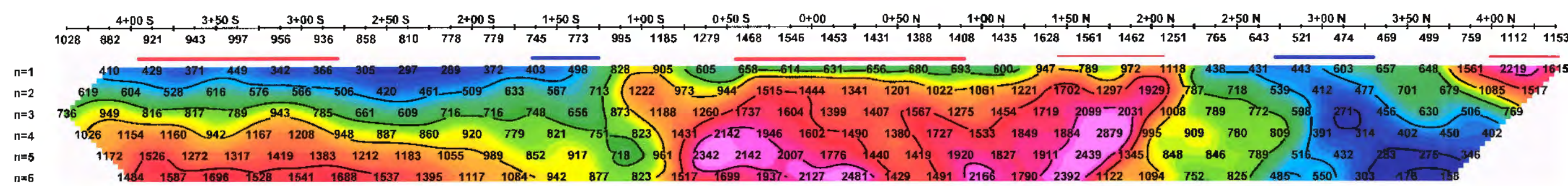
DIPOLE LENGTH : a=10M  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V



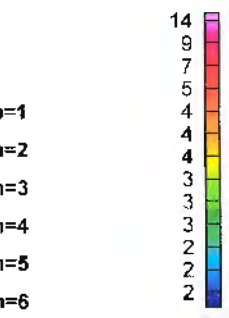
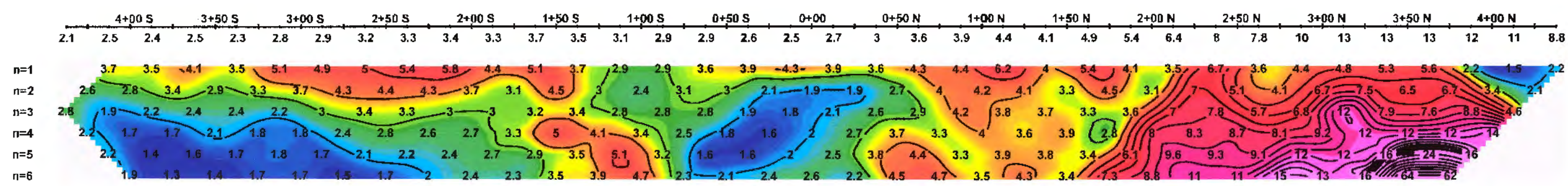
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

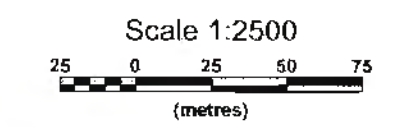
METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

CHARGEABILITY  
Interval 1%, 10%  
RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,...

INSTRUMENTS  
RECEIVER : GDD GRx8-32  
TRANSMITTER : GDD 3.6KWATT



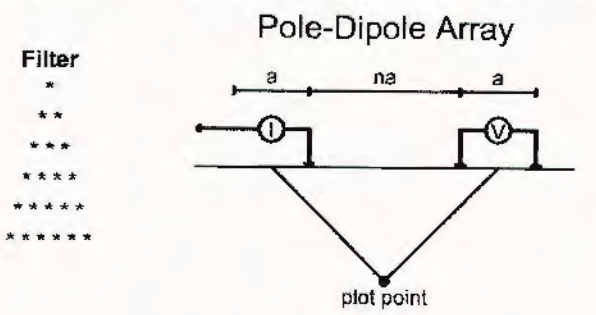
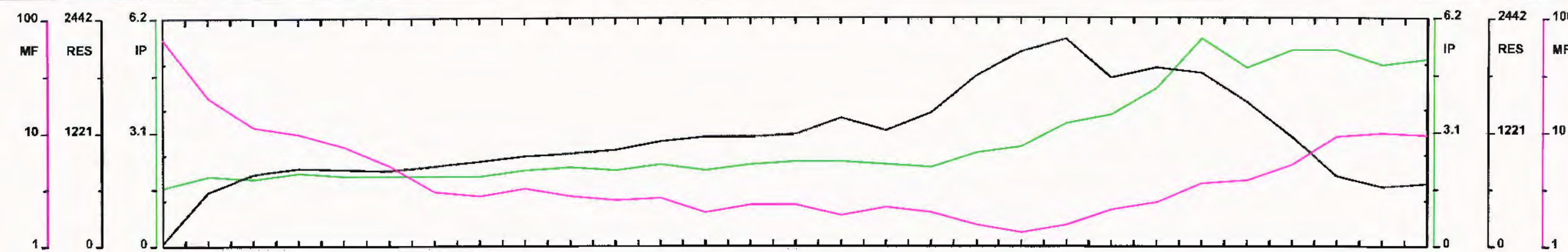
GOLDEN CHALICE RESOURCES INC.

INDUCED POLARIZATION

LINE 11+00E

Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

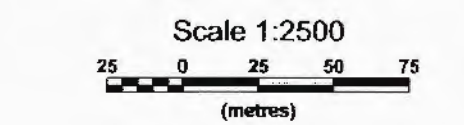




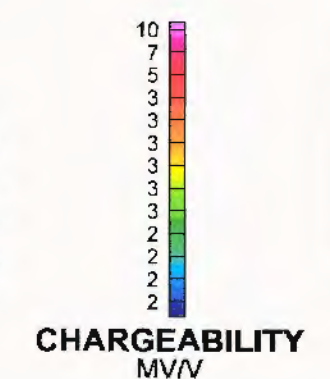
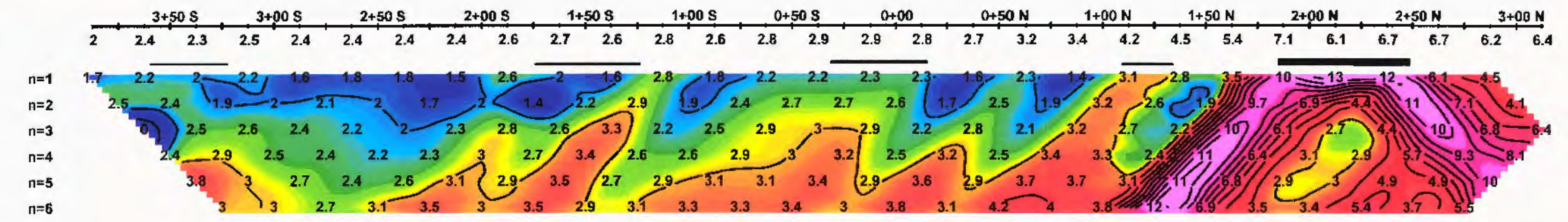
DIPOLE LENGTH : a=10M  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

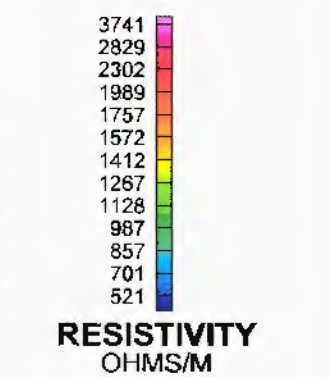
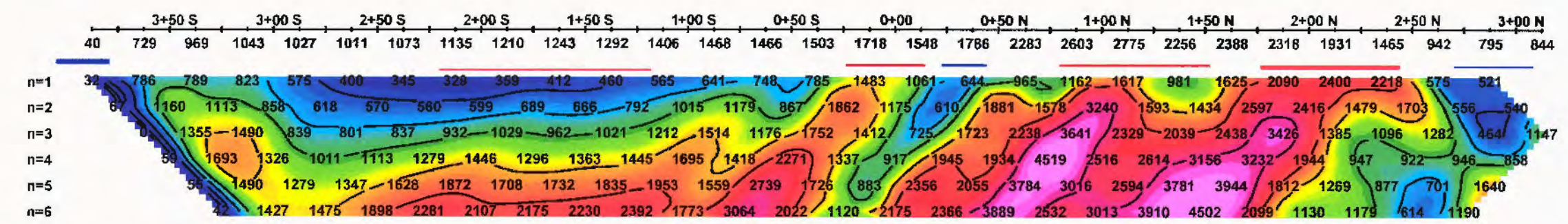
INSTRUMENTS  
 RECEIVER : GDD. GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



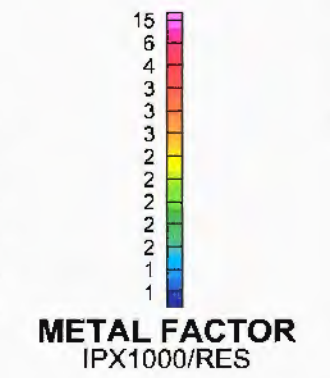
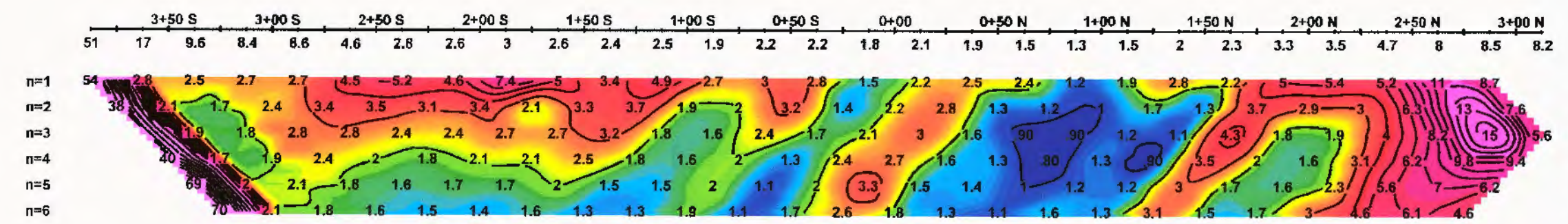
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m



METAL  
FACTOR

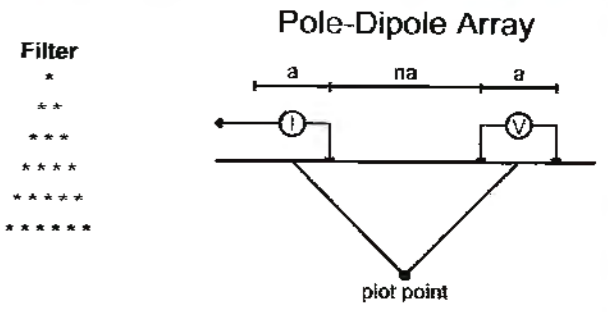
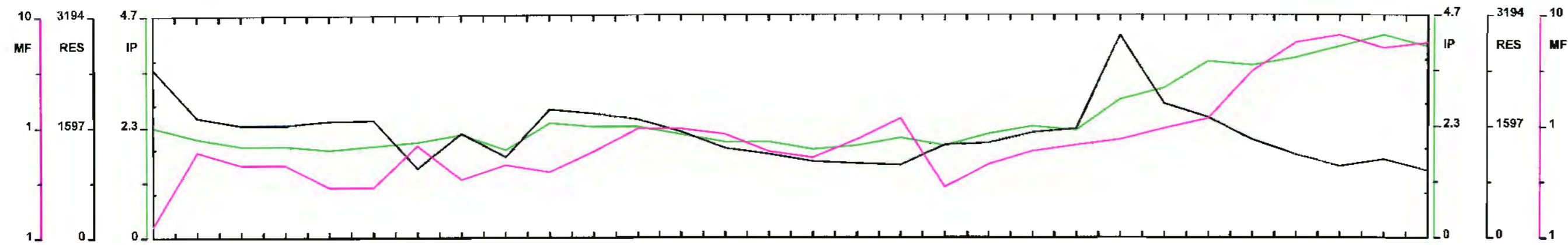


GOLDEN CHALICE RESOURCES INC.  
 INDUCED POLARIZATION

LINE 12+00E

Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

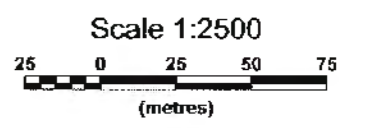




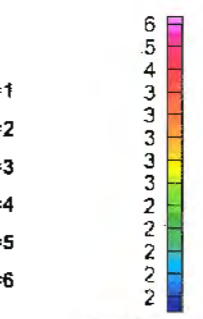
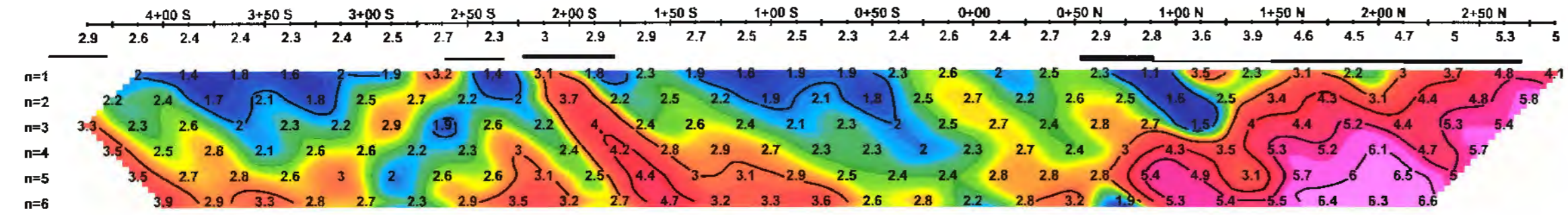
DIPOLE LENGTH : a=10M  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

INSTRUMENTS  
 RECEIVER : GDD. GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

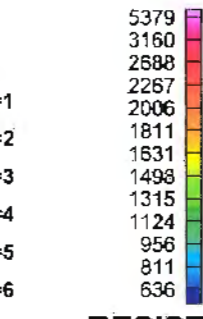
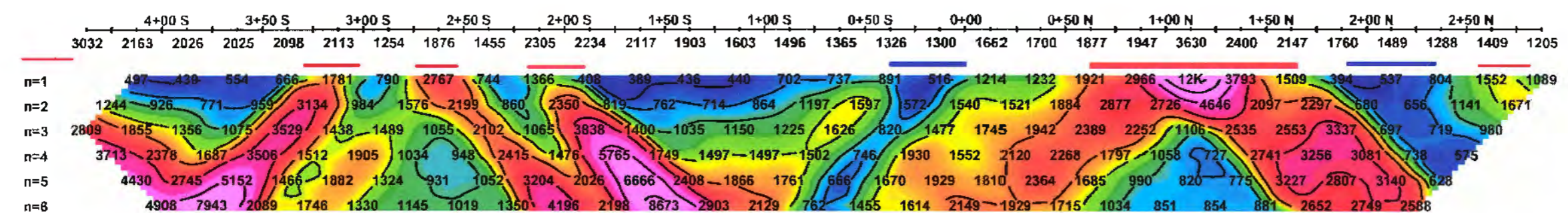


CHARGEABILITY  
mV/V



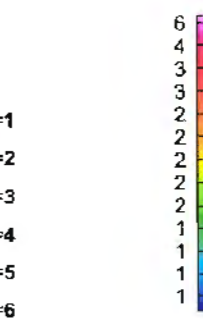
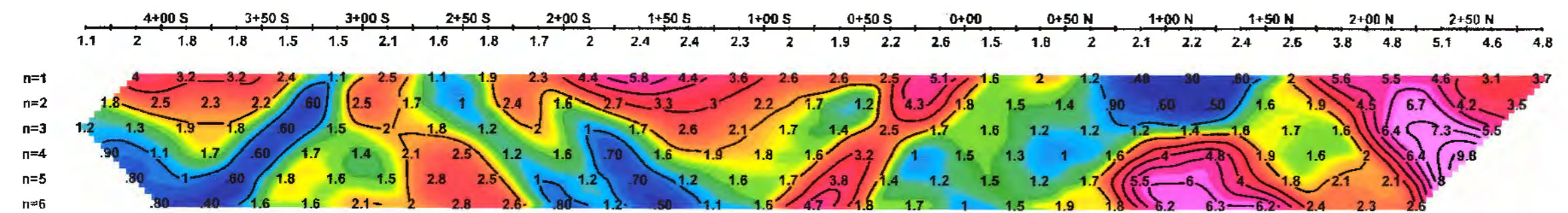
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

METAL  
FACTOR



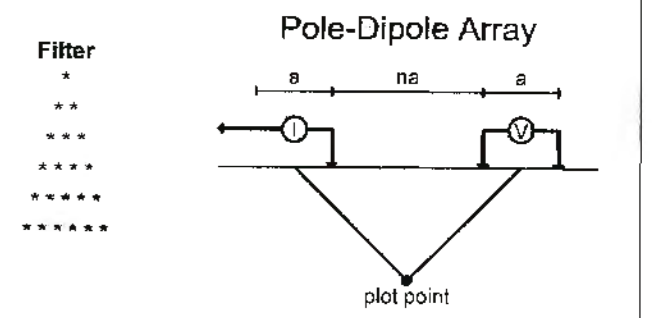
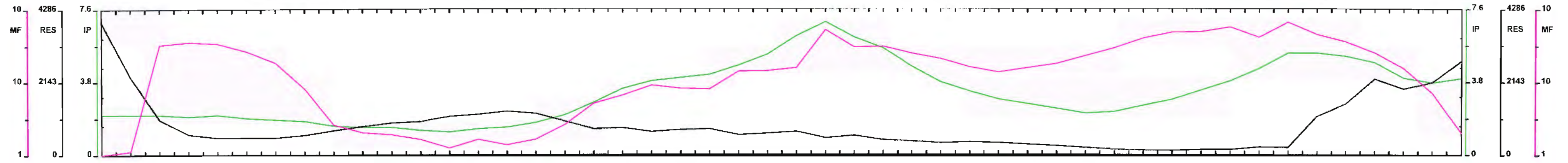
METAL FACTOR  
IPX1000/RES

GOLDEN CHALICE RESOURCES INC.  
 INDUCED POLARIZATION

LINE 13+00E

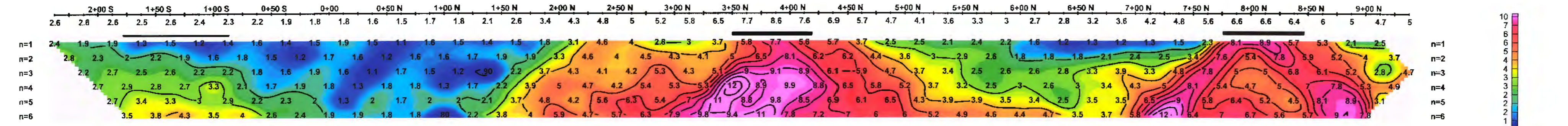
Date : DECEMBER 2009  
 Property : PENHORWOOD GRID  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

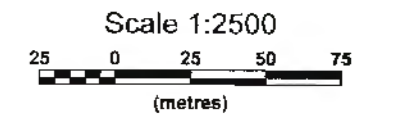
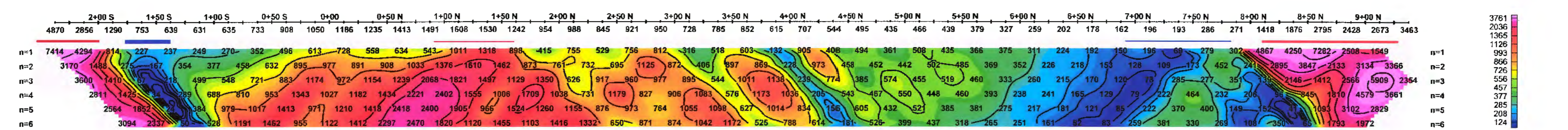
CHARGEABILITY  
mV/V



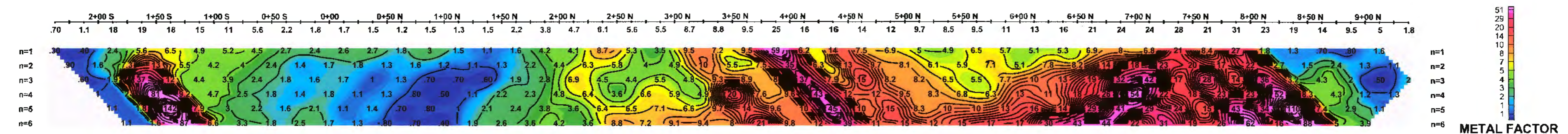
CHARGEABILITY  
Interval 1%, 10%  
RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
RECEIVER : GDD.GR8-32  
TRANSMITTER : GDD.3.6KWATT

APPARENT  
RESISTIVITY  
ohm-m



METAL  
FACTOR



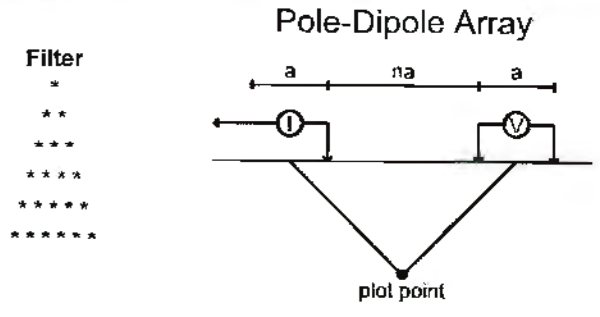
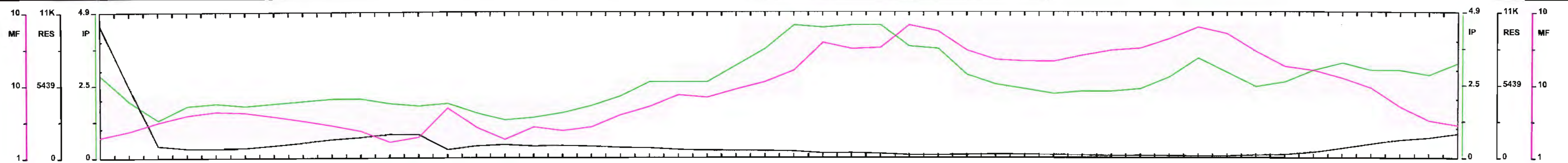
GOLDEN CHALICE RESOURCES

INDUCED POLARIZATION

LINE 14+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

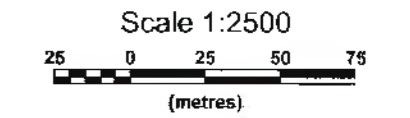




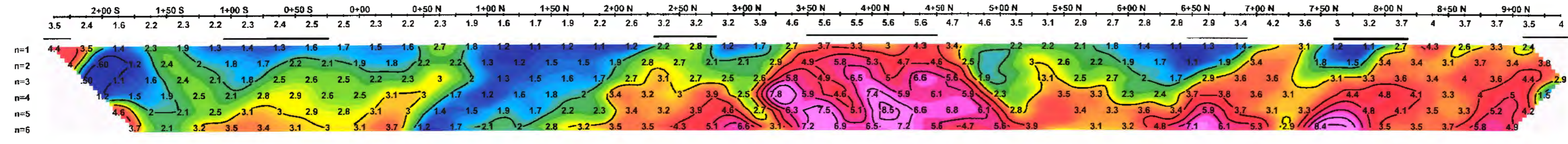
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

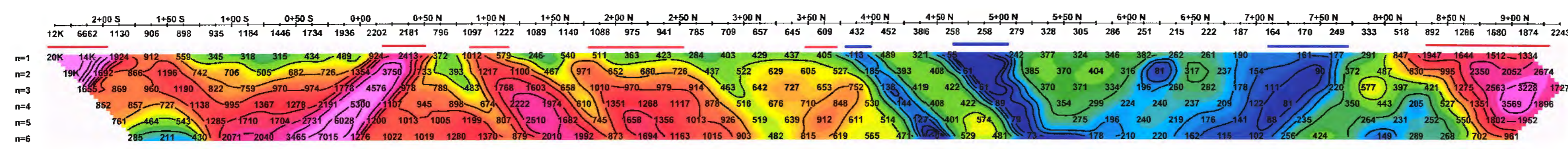


CHARGEABILITY  
mV/V



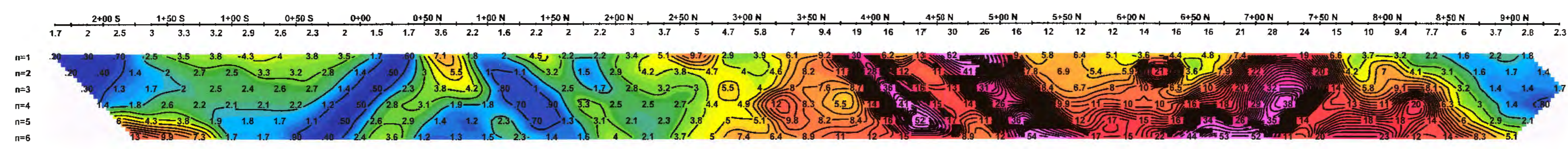
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

METAL  
FACTOR



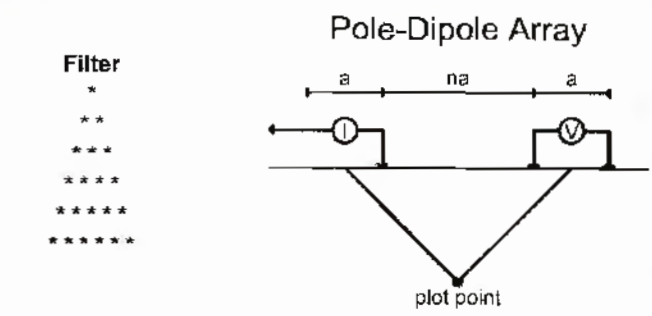
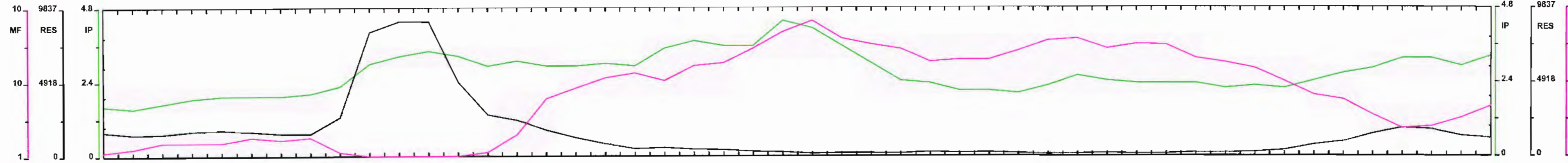
METAL FACTOR  
IPX1000/RES

GOLDEN CHALICE RESOURCES  
 INDUCED POLARIZATION

LINE 15+00E

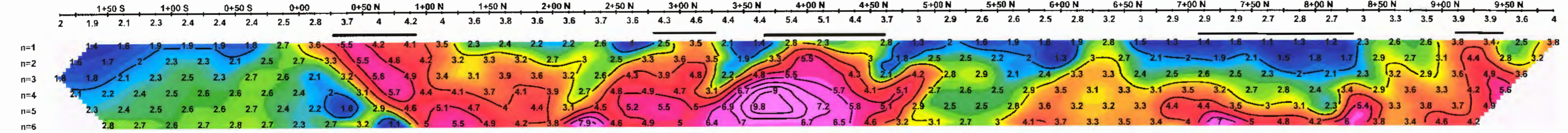
Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





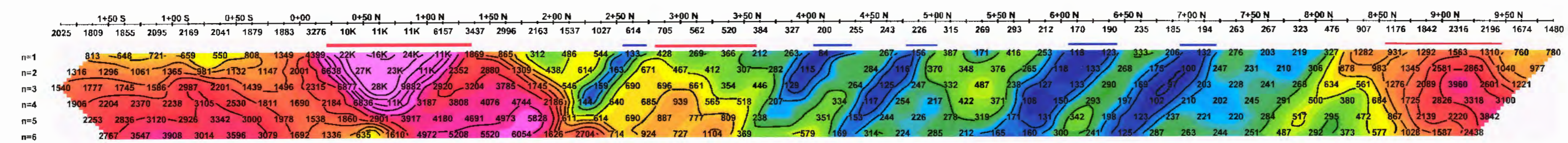
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V



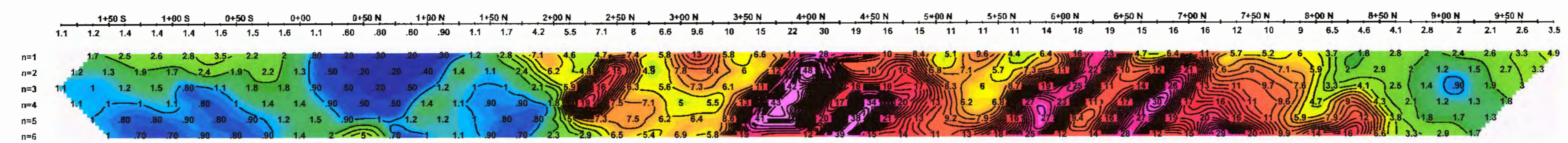
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10...  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10...

INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



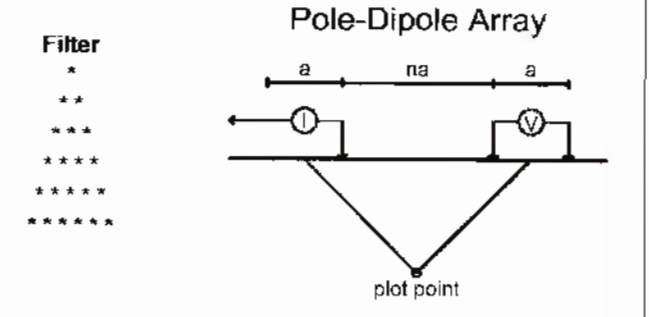
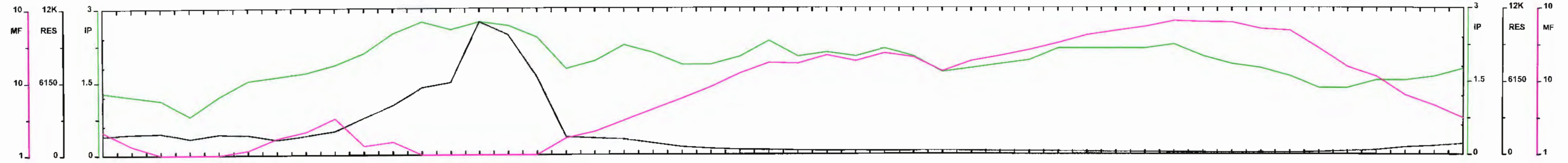
GOLDEN CHALICE RESOURCES

INDUCED POLARIZATION

LINE 16+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



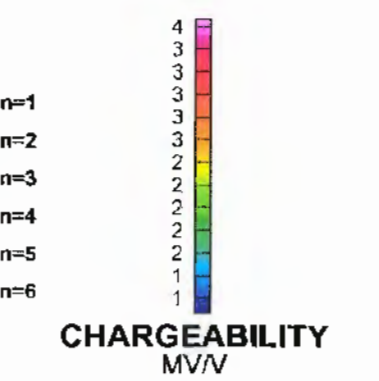
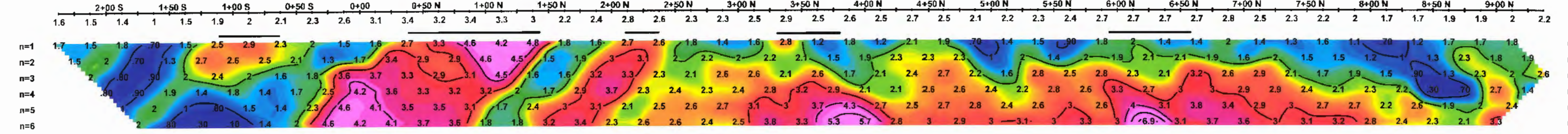


DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

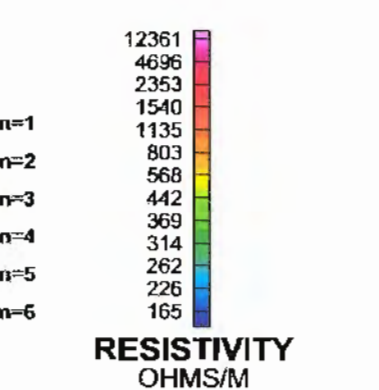
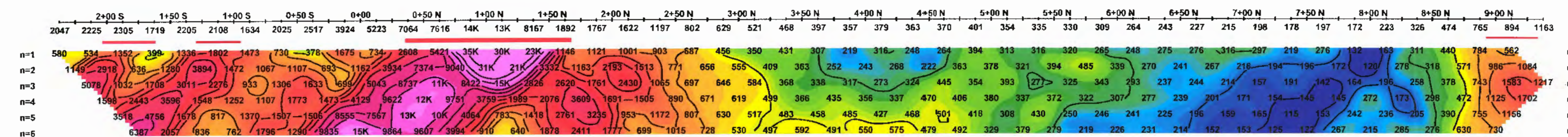
CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

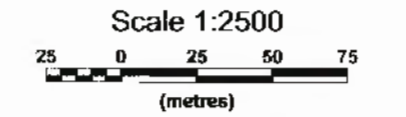
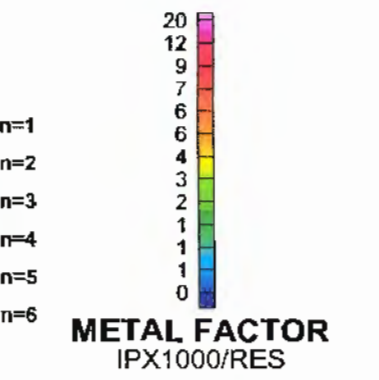
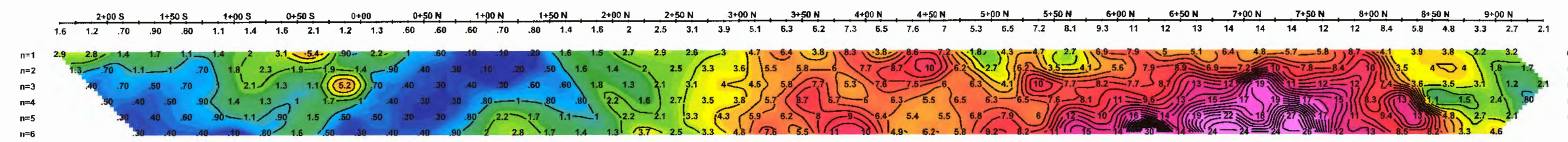
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m

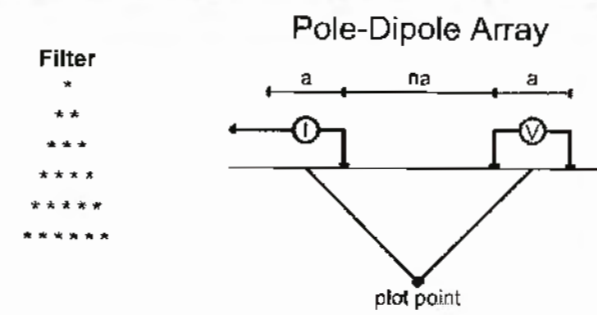
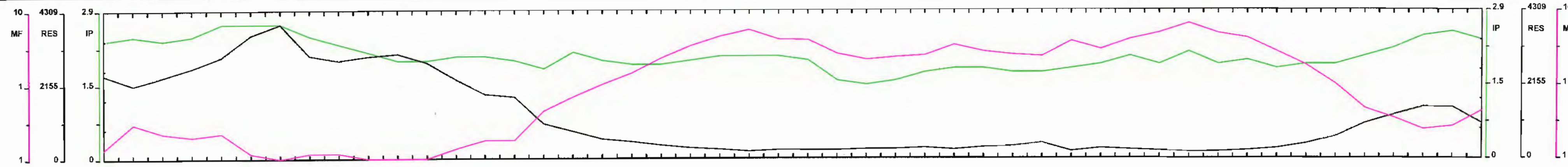


METAL  
FACTOR



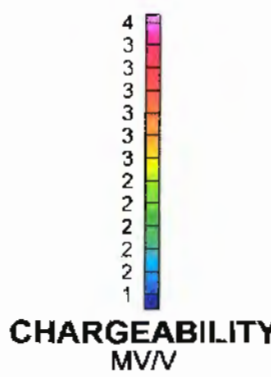
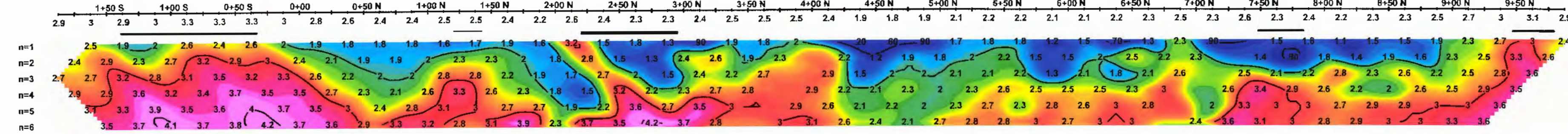
GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 17+00E  
 Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

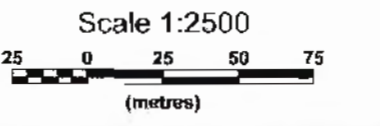
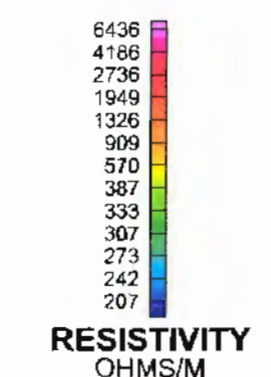
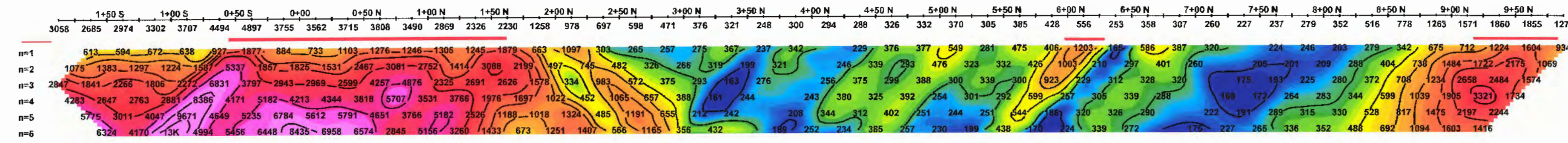
CHARGEABILITY  
mV/V



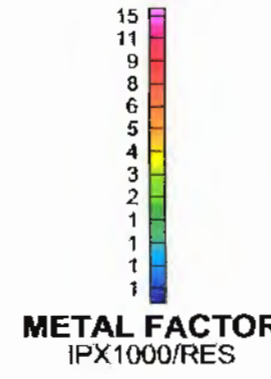
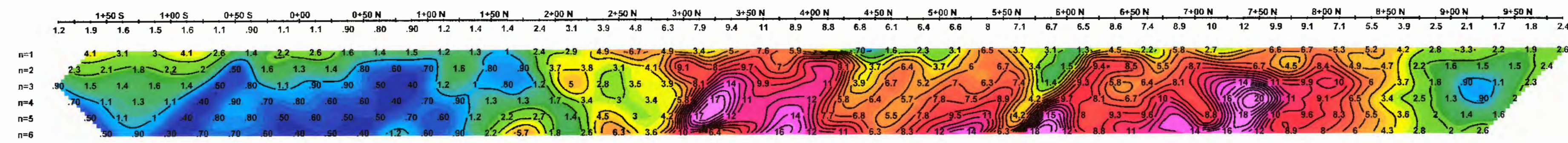
CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
 RECEIVER : GDD.GR8-32  
 TRANSMITTER : GDD.3.6KWATT

APPARENT  
RESISTIVITY  
ohm-m



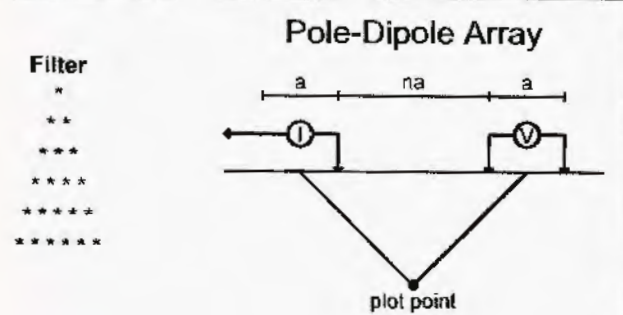
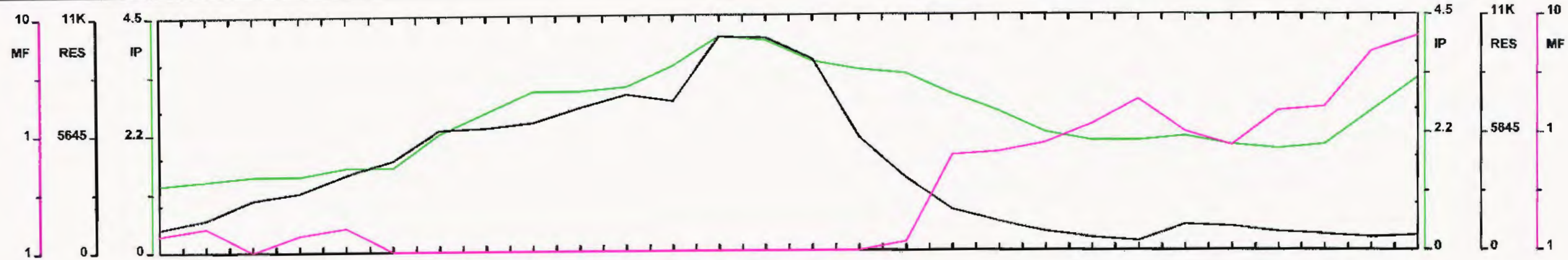
METAL  
FACTOR



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 18+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



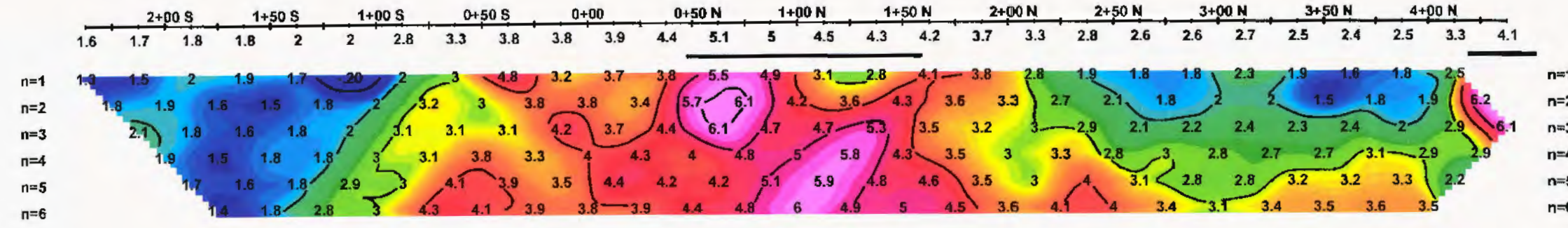


DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

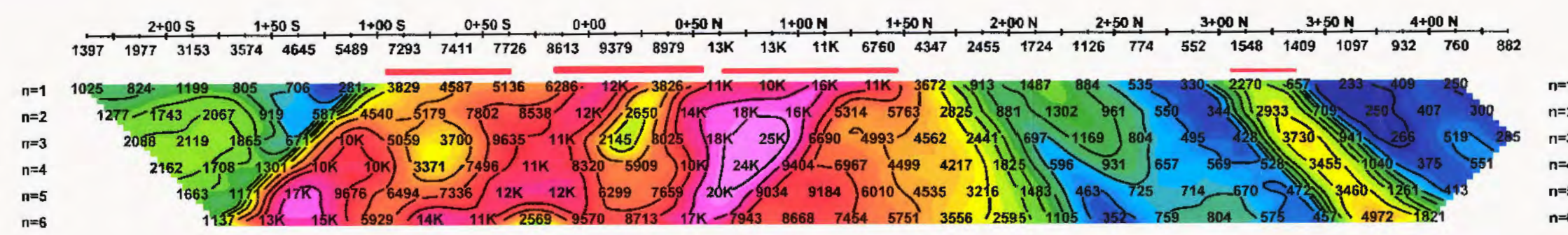
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

CHARGEABILITY  
mV/V



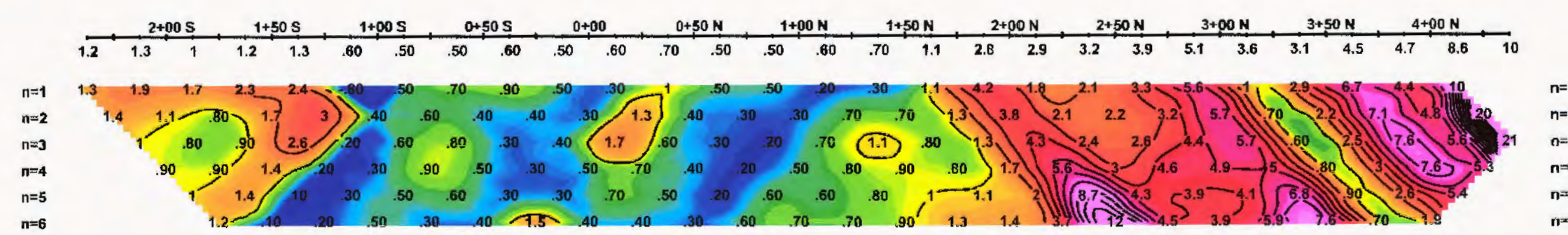
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m

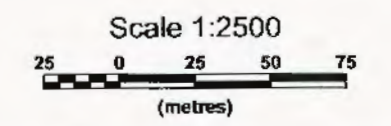


RESISTIVITY  
OHMS/M

METAL  
FACTOR



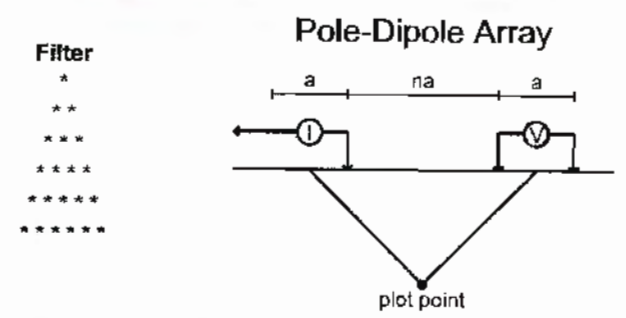
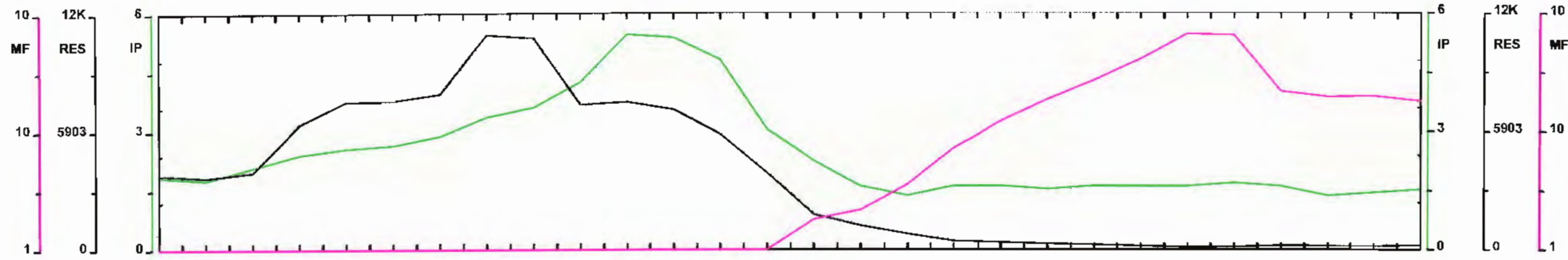
METAL FACTOR  
IPX1000/RES



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 19+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.



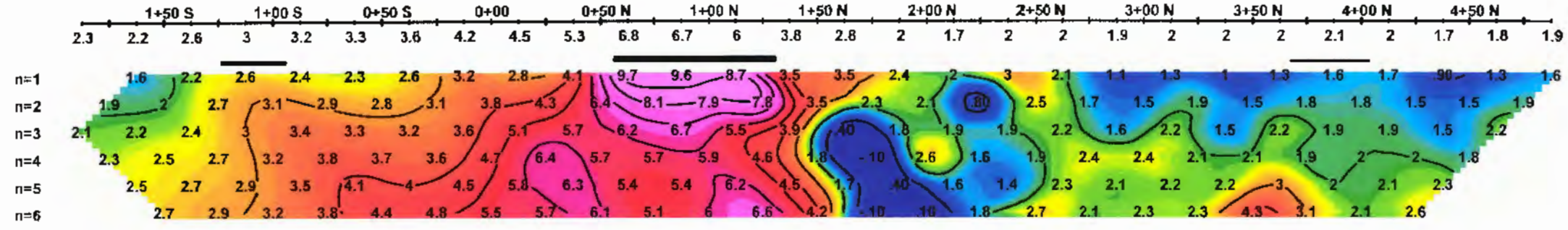


DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

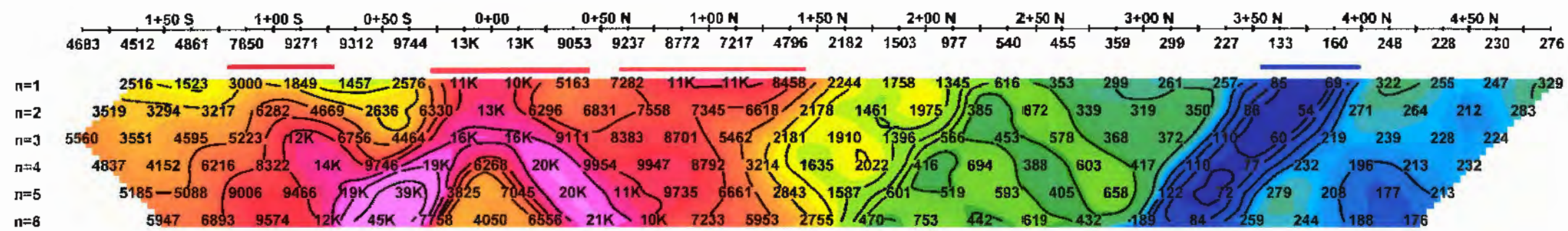
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

CHARGEABILITY  
mV/V



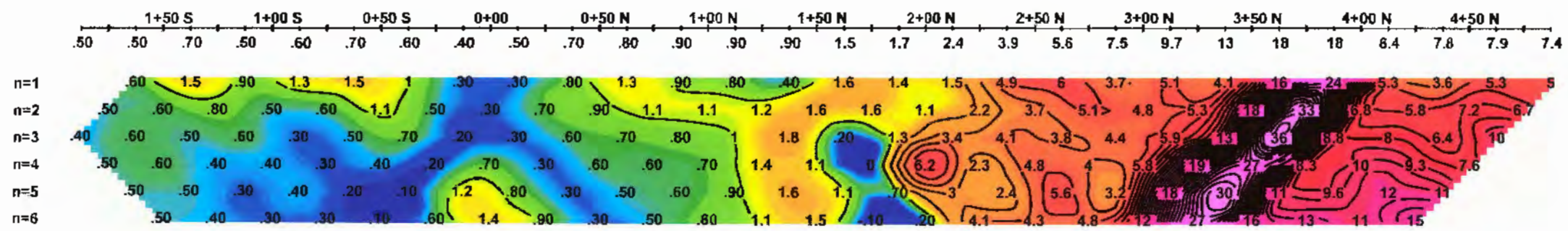
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m

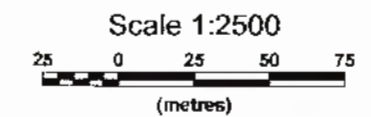


RESISTIVITY  
OHMS/M

METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

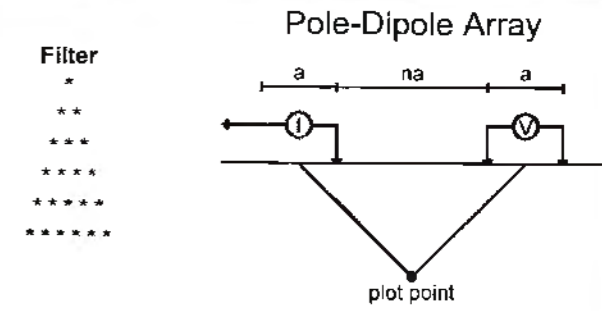
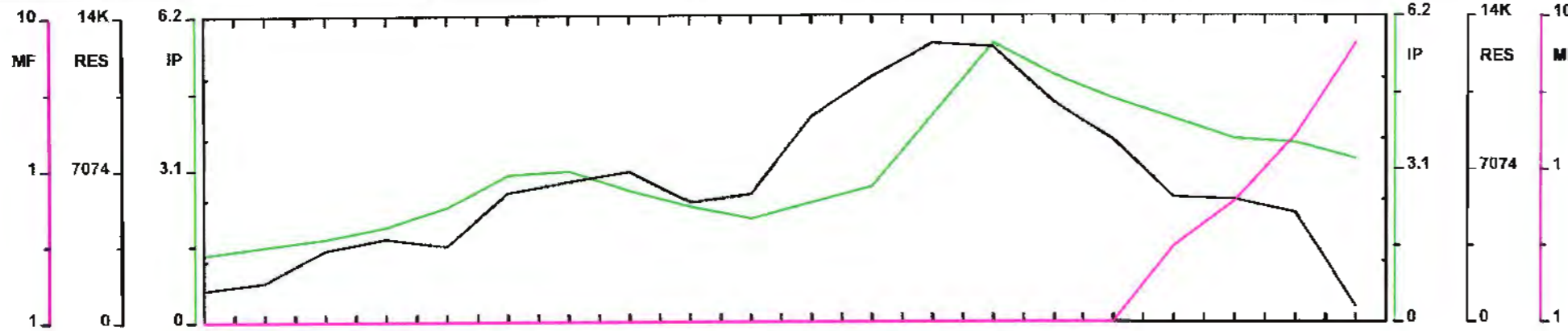


GOLDEN CHALICE RES.  
 INDUCED POLARIZATION

LINE 20+00E

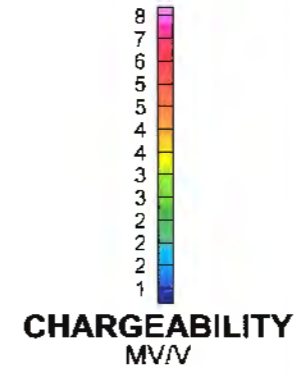
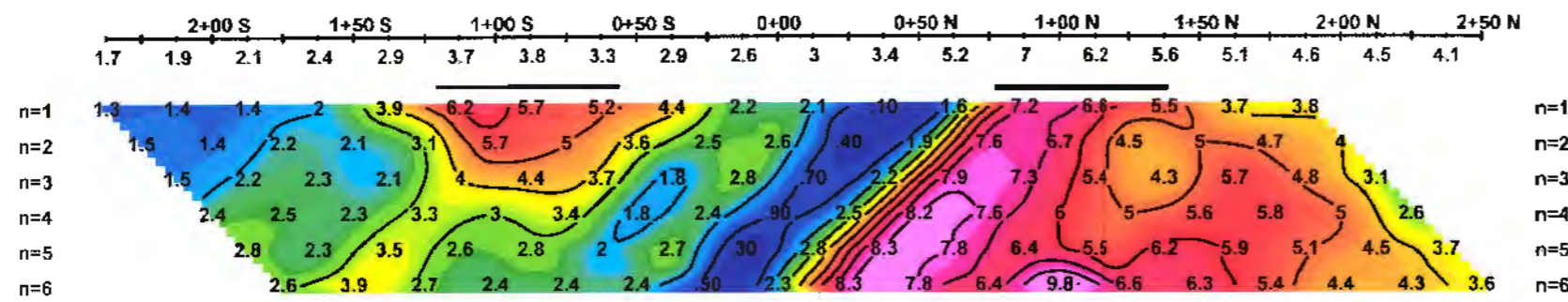
Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

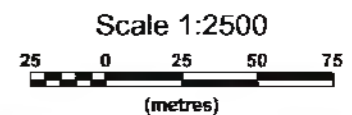
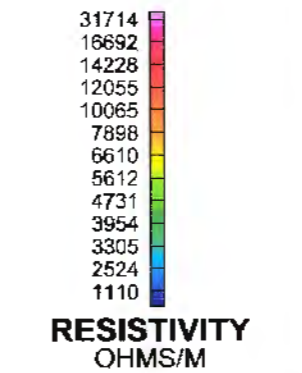
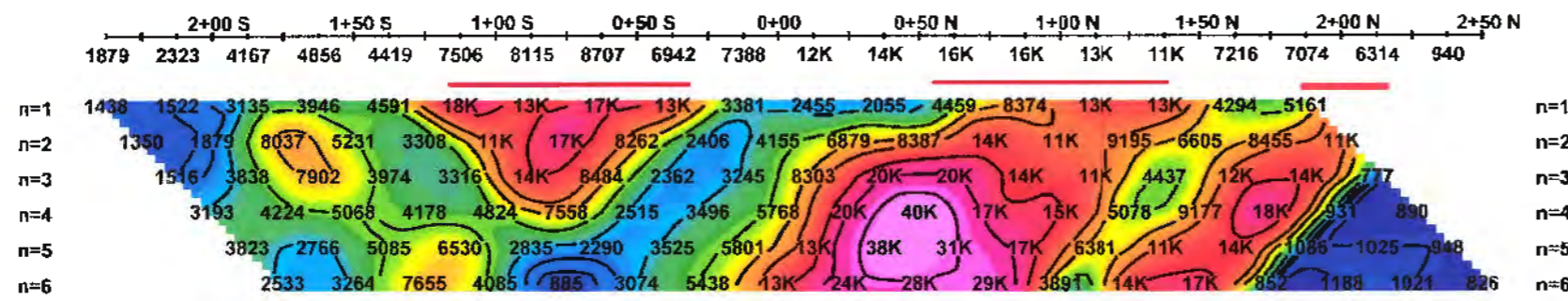
CHARGEABILITY  
mV/V



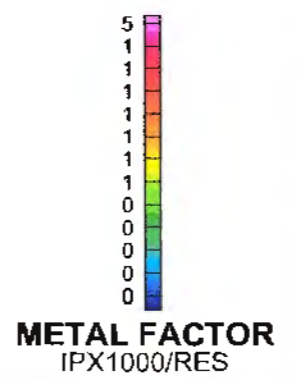
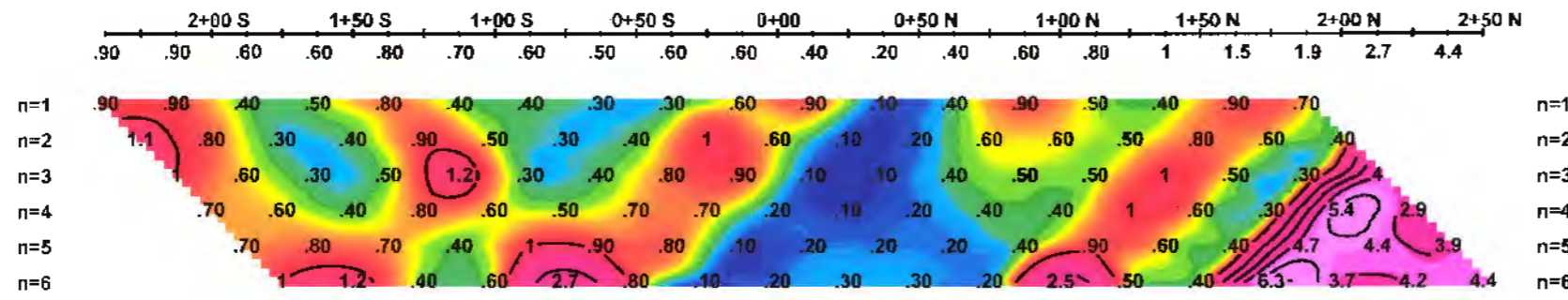
CHARGEABILITY  
Interval 1%, 10%  
RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

INSTRUMENTS  
RECEIVER : GDD GRx8-32  
TRANSMITTER : GDD 3.6KWATT

APPARENT  
RESISTIVITY  
ohm-m



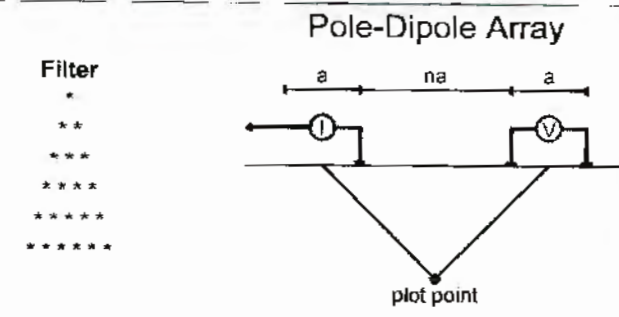
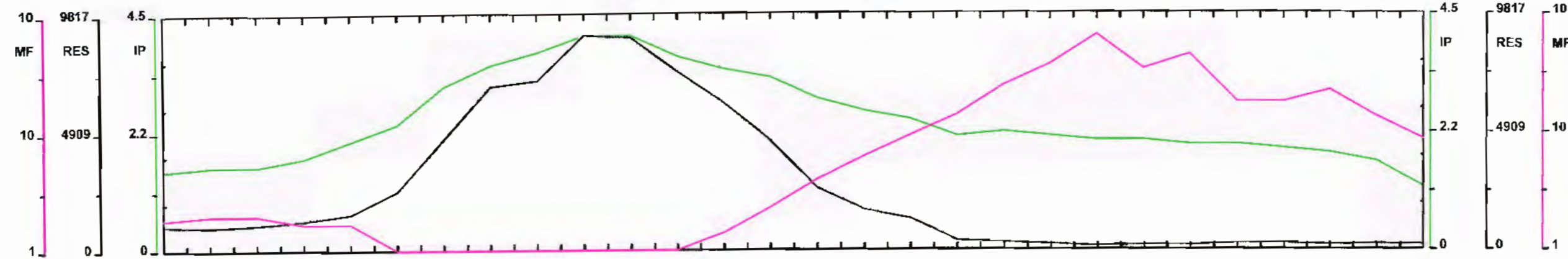
METAL  
FACTOR



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 21+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

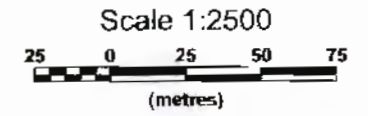




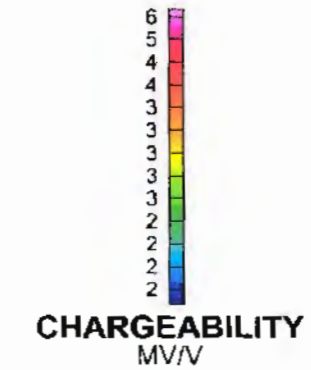
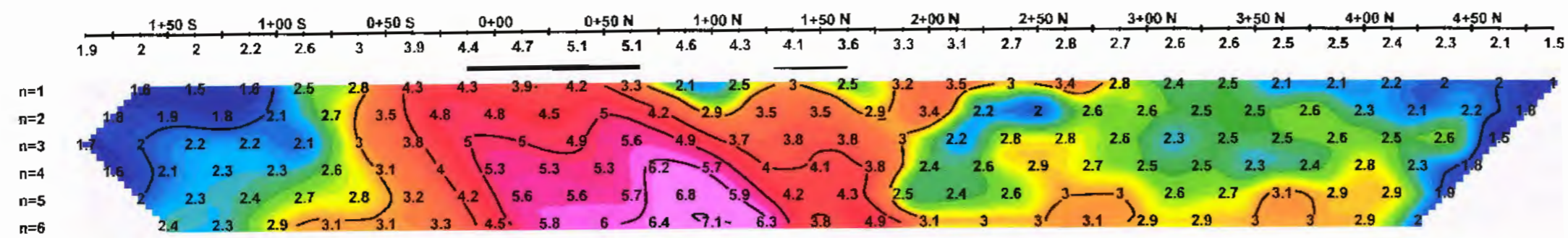
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,...

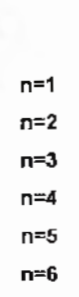
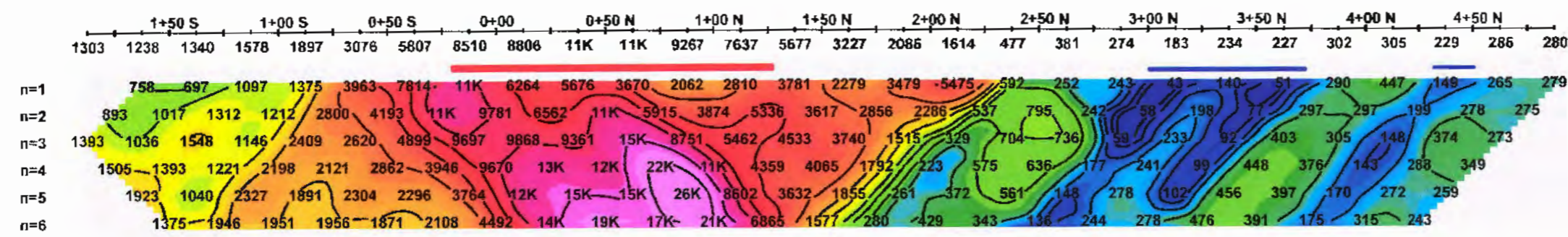
INSTRUMENTS  
 RECEIVER : GDD. GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



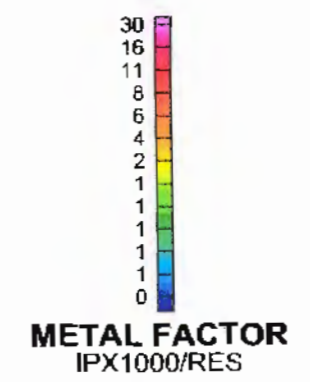
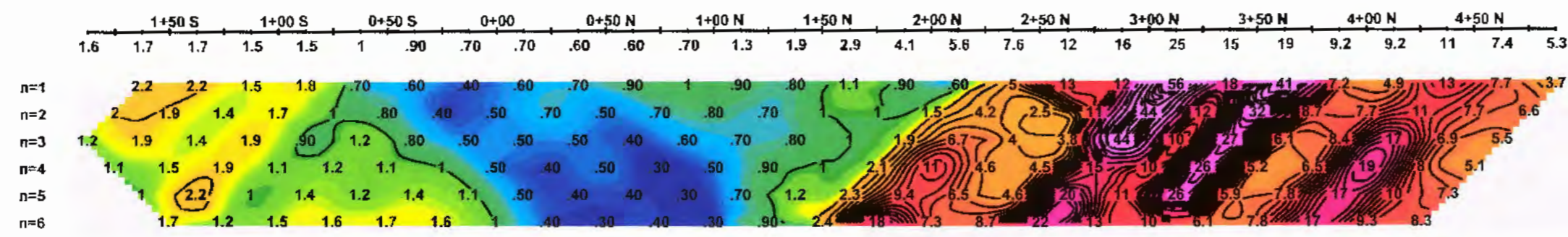
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m



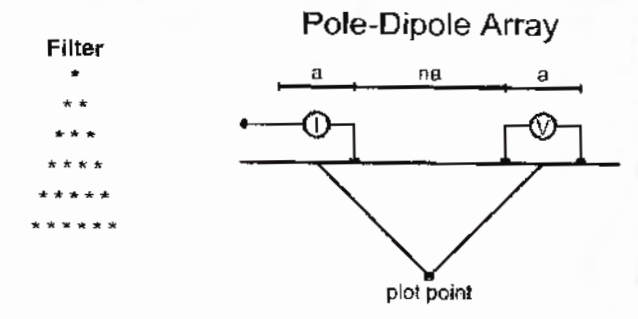
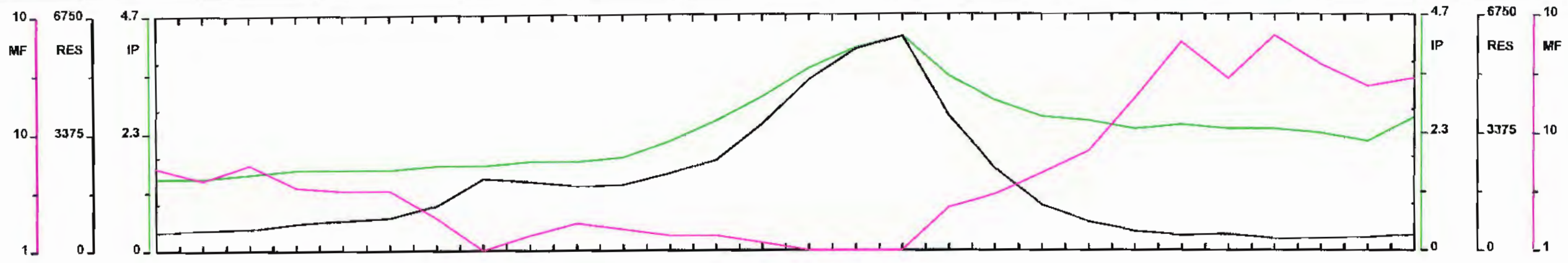
METAL  
FACTOR



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 22+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

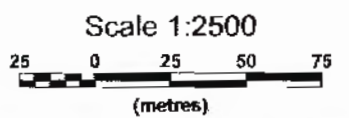




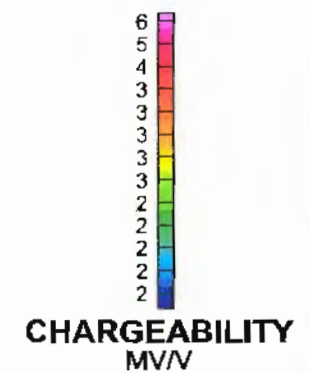
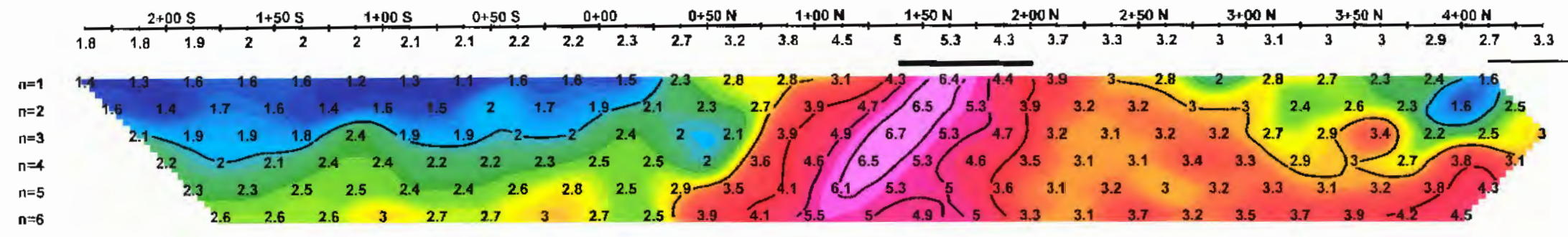
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

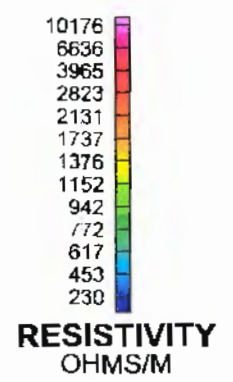
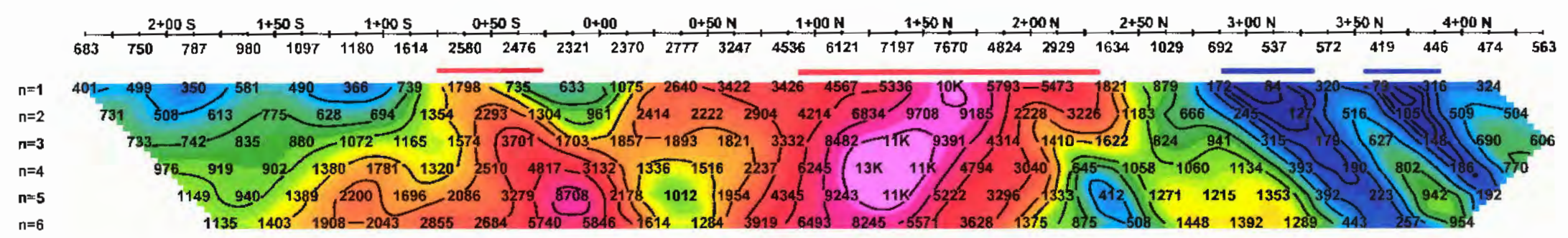
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



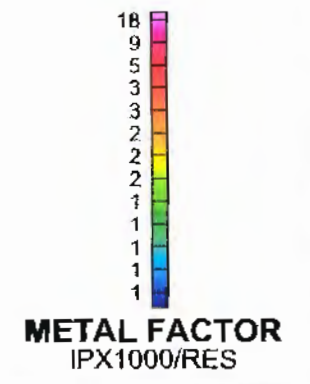
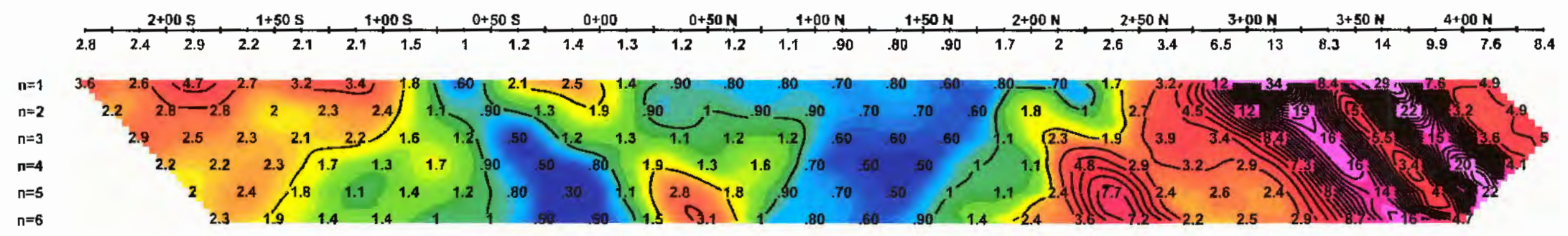
CHARGEABILITY  
mV/V



APPARENT  
RESISTIVITY  
ohm-m



METAL  
FACTOR

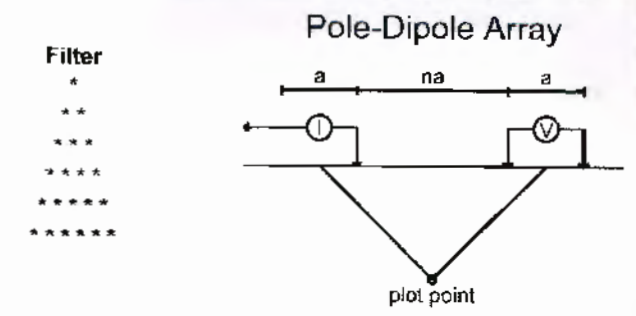
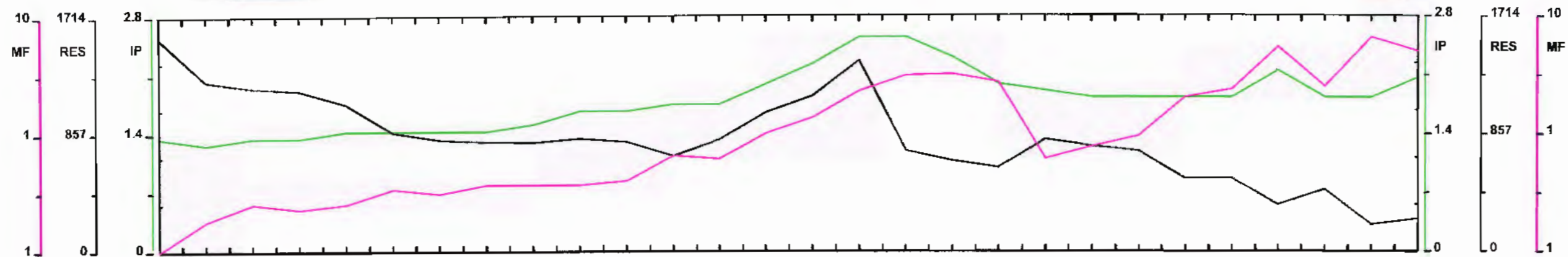


GOLDEN CHALICE RES.  
 INDUCED POLARIZATION

LINE 23+00E

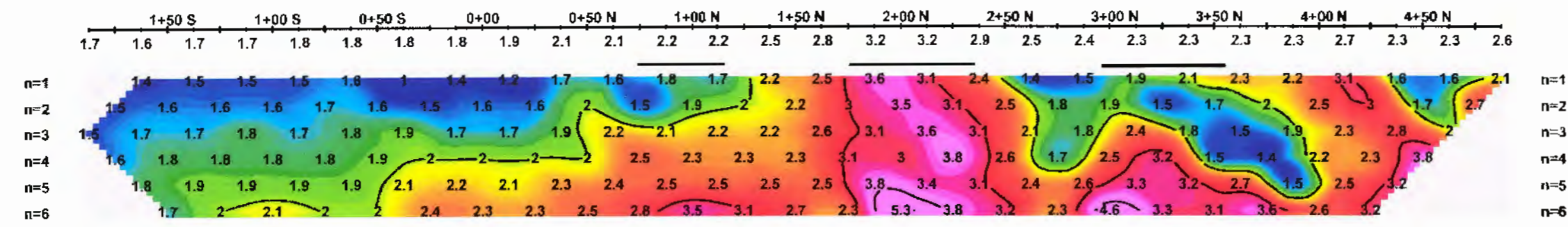
Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





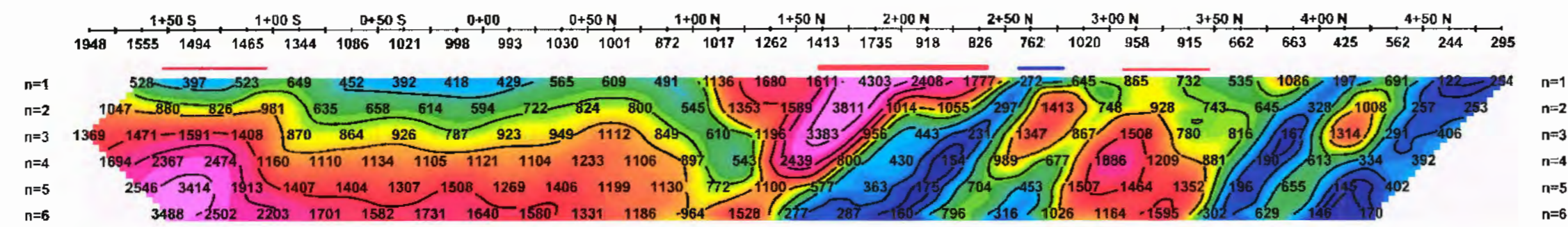
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V



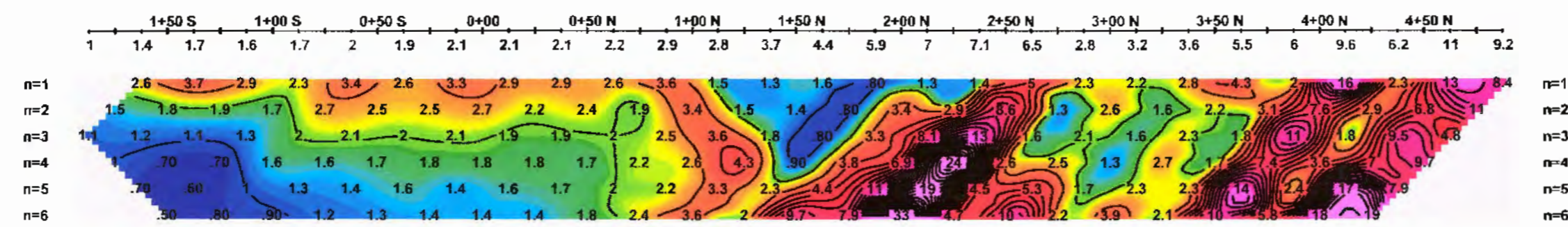
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

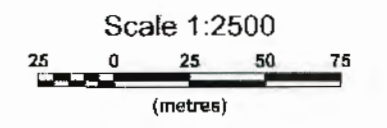
METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10, ...

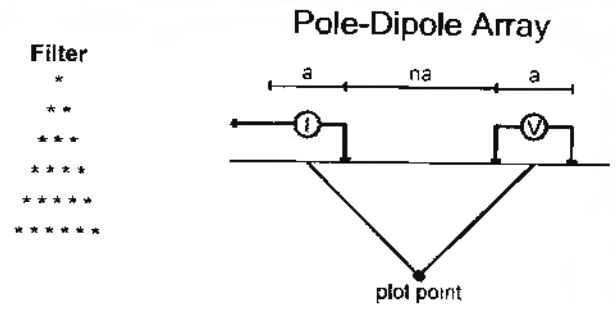
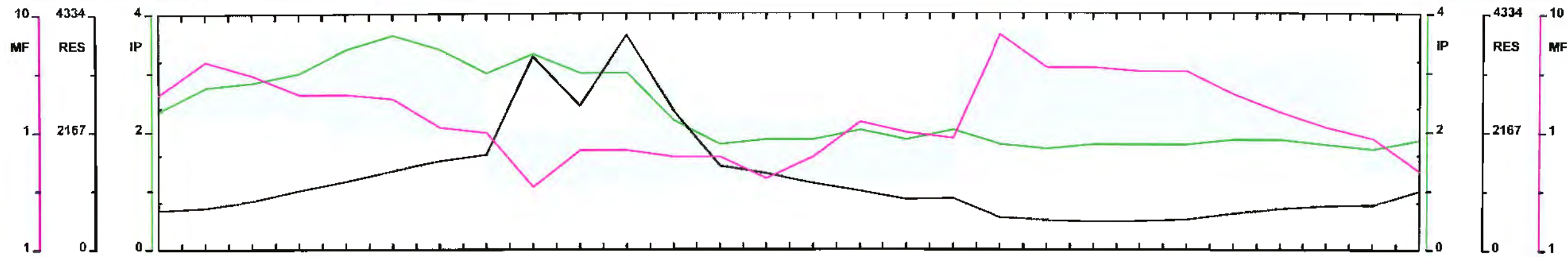
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



GOLDEN CHALICE RESOURCES  
 INDUCED POLARIZATION  
 LINE 24+00E

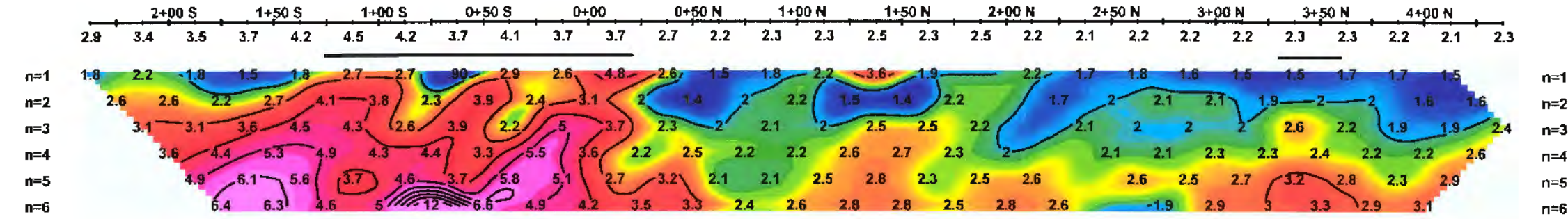
Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.





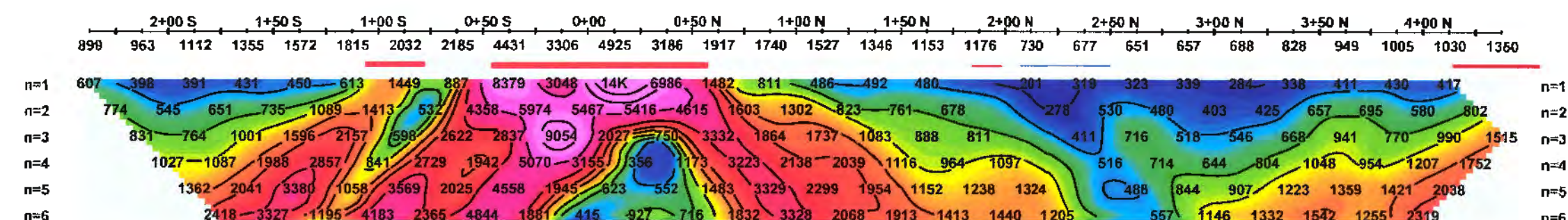
DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n = 6  
 FREQUENCIES :

CHARGEABILITY  
mV/V



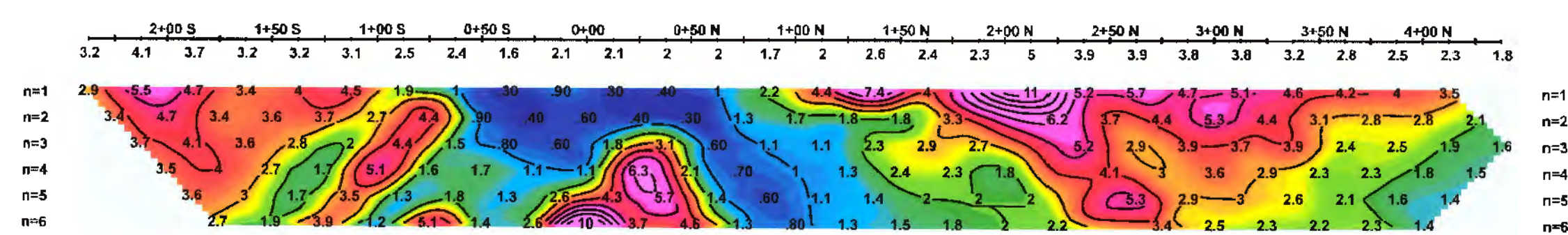
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m



RESISTIVITY  
OHMS/M

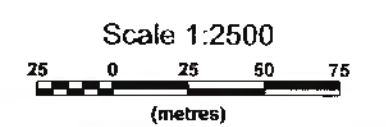
METAL  
FACTOR



METAL FACTOR  
IPX1000/RES

CHARGEABILITY  
Interval 1%, 10%  
 RESISTIVITY  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..

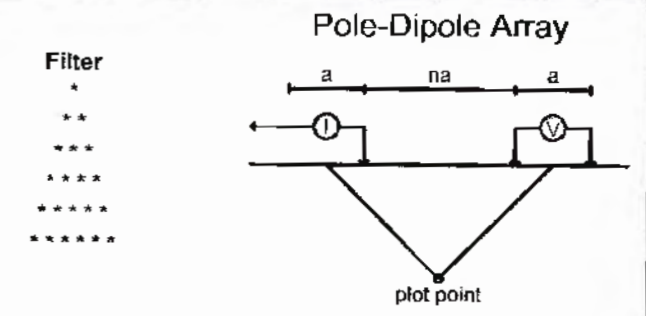
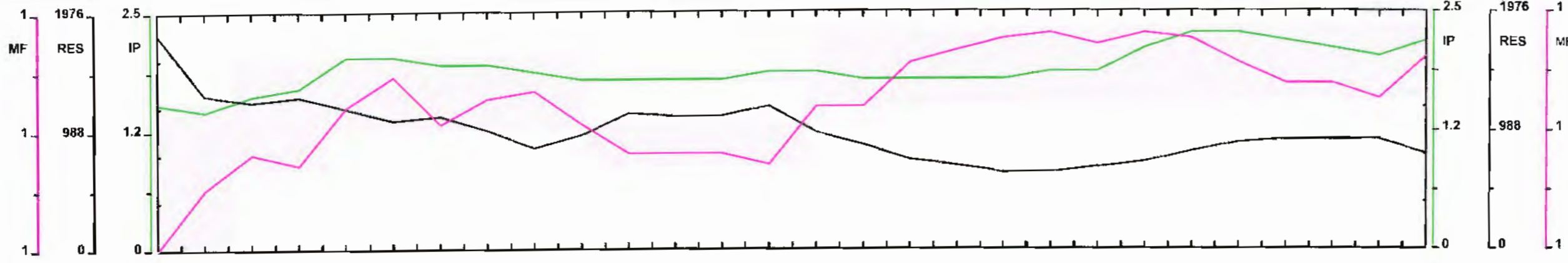
INSTRUMENTS  
 RECEIVER : GDD GRx8-32  
 TRANSMITTER : GDD 3.6KWATT



GOLDEN CHALICE RESOURCES  
 INDUCED POLARIZATION  
 LINE 26+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.

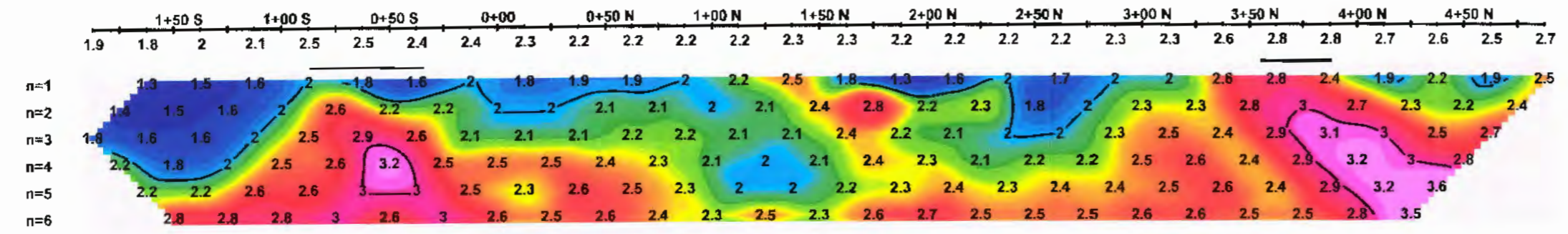




DIPOLE LENGTH : a=25  
 DIPOLE SPACINGS : n=6  
 FREQUENCIES :

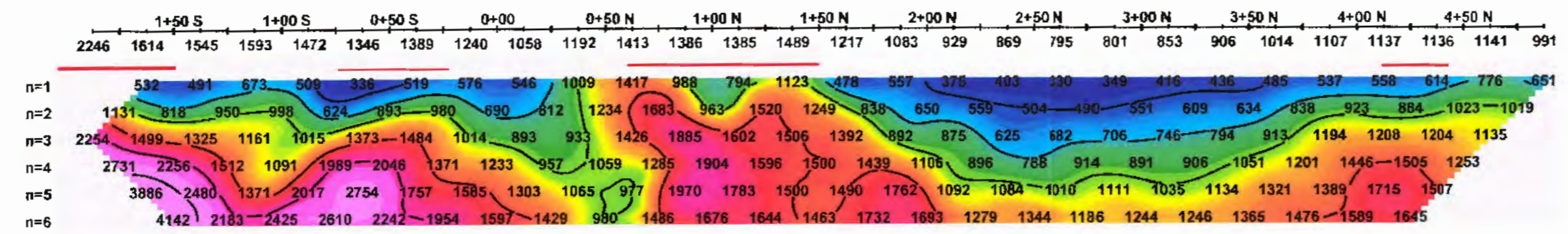
CHARGEABILITY  
 Interval 1%, 10%  
 RESISTIVITY  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 METAL FACTOR  
 Logarithmic 1, 1.5, 2, 3, 5, 7.5, 10,..  
 INSTRUMENTS  
 RECEIVER : GDD. GRx8-32  
 TRANSMITTER : GDD 3.6KWATT

CHARGEABILITY  
mV/V



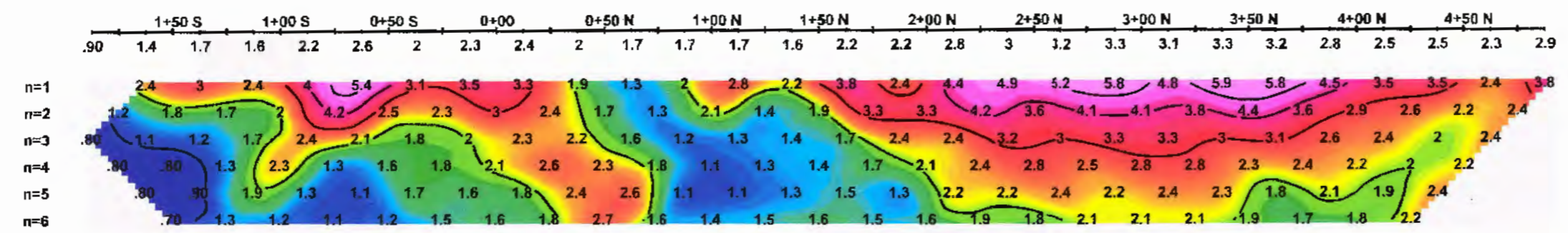
CHARGEABILITY  
MV/V

APPARENT  
RESISTIVITY  
ohm-m

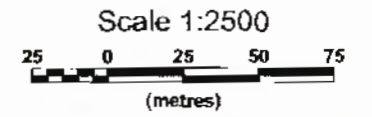


RESISTIVITY  
OHMS/M

METAL  
FACTOR



METAL FACTOR  
IPX1000/RES



GOLDEN CHALICE RES.  
 INDUCED POLARIZATION  
 LINE 27+00E

Date : JANUARY 2010  
 Property : PENHORWOOD PROJECT  
 Township : PENHORWOOD TWP.  
 Survey by : EXSICS EXPLORATION LTD.