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REPORT

on the

INDUCED POLARIZATION AND RESITIVITY SURVEY

on CLAIMS 4255012 and 4253013

WARK1 PROPERTY

NORTH TIMMINS GOLD PROJECT

PORCUPINE MINING DIVISION,

NORTHEASTERN ONTARIO

May 31, 2016 **Kevin Montgomery P.Geo.**

SUMMARY

The North Timmins Gold Project, held by Gowest Gold Ltd., is situated 32 km north-northeast of Timmins, Ontario. It is comprised of 672 claim units (10,908 hectares) in Evelyn, Tully, Little, Gowan, Prosser and Wark Townships. It is accessible from Highway 655 via an all-weather gravel road that turns east off Highway 655, 11.5 km north of the Kidd Creek Mine access road.

As a follow-up to a ground magnetic and VLF-EM survey conducted in early 2016, a deep penetrating gradient time domain induced polarization (IP)/Resistivity survey was conducted by Insight Geophysics Inc. over the two northwest claims (4255012 and 4253013) of the Wark 1 Property. The program commenced on March 3, 2016. A saw cut grid (20.7 line km) was established by Silver Spruce Explorations Inc for the surveying. The induced polarization/resistivity survey consisted of 19.5 line km of gradient array surveying and 4 line km of sectioning, and was completed on March 30, 2016.

The IP/Resisitivity survey detected and outlined four strong to moderate chargeability anomalies. It is recommended that the anomalies be evaluated in conjunction with the ground magnetic/VLF-EM survey for future possible drill testing.

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INTRODUCTION

The Wark 1 Property is part of the North Timmins Gold Project of Gowest Gold Ltd. The project is comprised of 78 mining claims (672 claim units) covering approximately 10,908 hectares, east of the Kidd Creek Mine site. The Wark 1 Property is held by Gowest Gold Ltd. under an option and joint venture with Transition Metals Corp.

This report describes an induced polarization/resistivity survey that was carried out on the Wark 1 Property, from March 3, 2016 to March 30, 2016.

PROPERTY LOCATION AND ACCESS

The North Timmins Gold Project area is located in Evelyn, Tully, Little, Prosser, Gowan and Wark Townships, approximately 32 km north-northeast of the City of Timmins, Ontario (Figure 1). Surface access to the Wark 1 and Wark 2 properties, part of the North Timmins Gold Project, is gained via Highway 655 and an all-weather gravel road (Whidden Road) that turns east off Highway 655, 11.5 km north of the Kidd Creek Mine access road.

The Wark 1 Property is accessible south from the Whidden gravel pit at 482950E and 5399800N (NAD 83 Zone 17N). A drill trail (old winter forest road) leads south from the gravel pit. This trail is best travelled by snowmobile in the winter and all-terrain vehicle in the summer. It is approximately 5 km to the northern boundary of the Wark 1 Property from the gravel pit (Figure 2).

PROPERTY DESCRIPTION

The North Timmins Gold Project of Gowest is comprised of one patented mineral claim, ten leased mineral claims and 67 unpatented mineral claims variously located in Prosser, Wark, Tully, Gowan, Little and Evelyn Townships. It consists of 672 claim units covering approximately 10,908 hectares. The Wark 1 Property consists of seven contiguous unpatented mining claims (37 mining claim units) in Prosser and Wark Townships totalling 599 hectares (Figure 2). A detailed list of the North Timmins Gold Project claims is found in Appendix A.

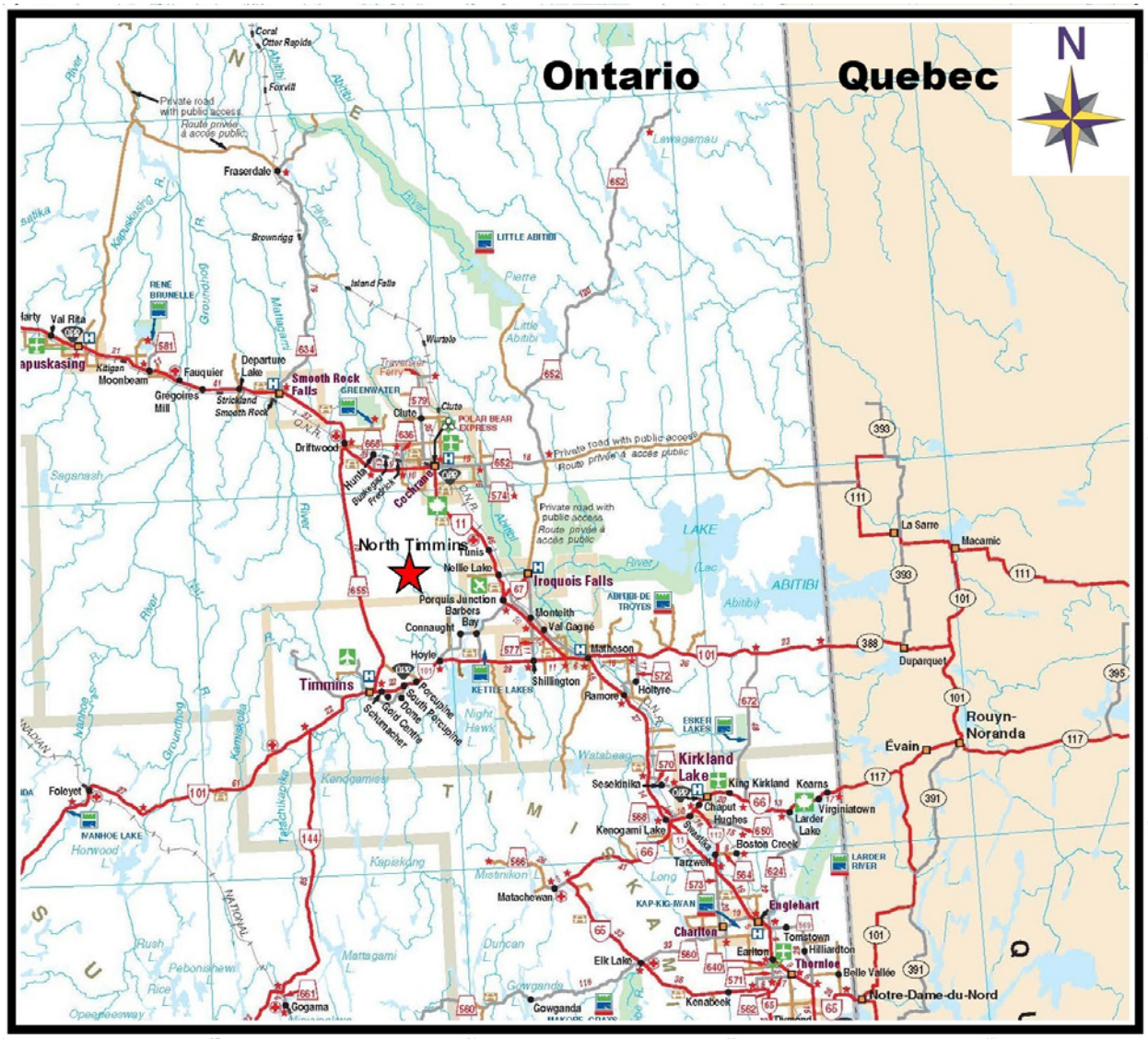

Figure 1 Location Map

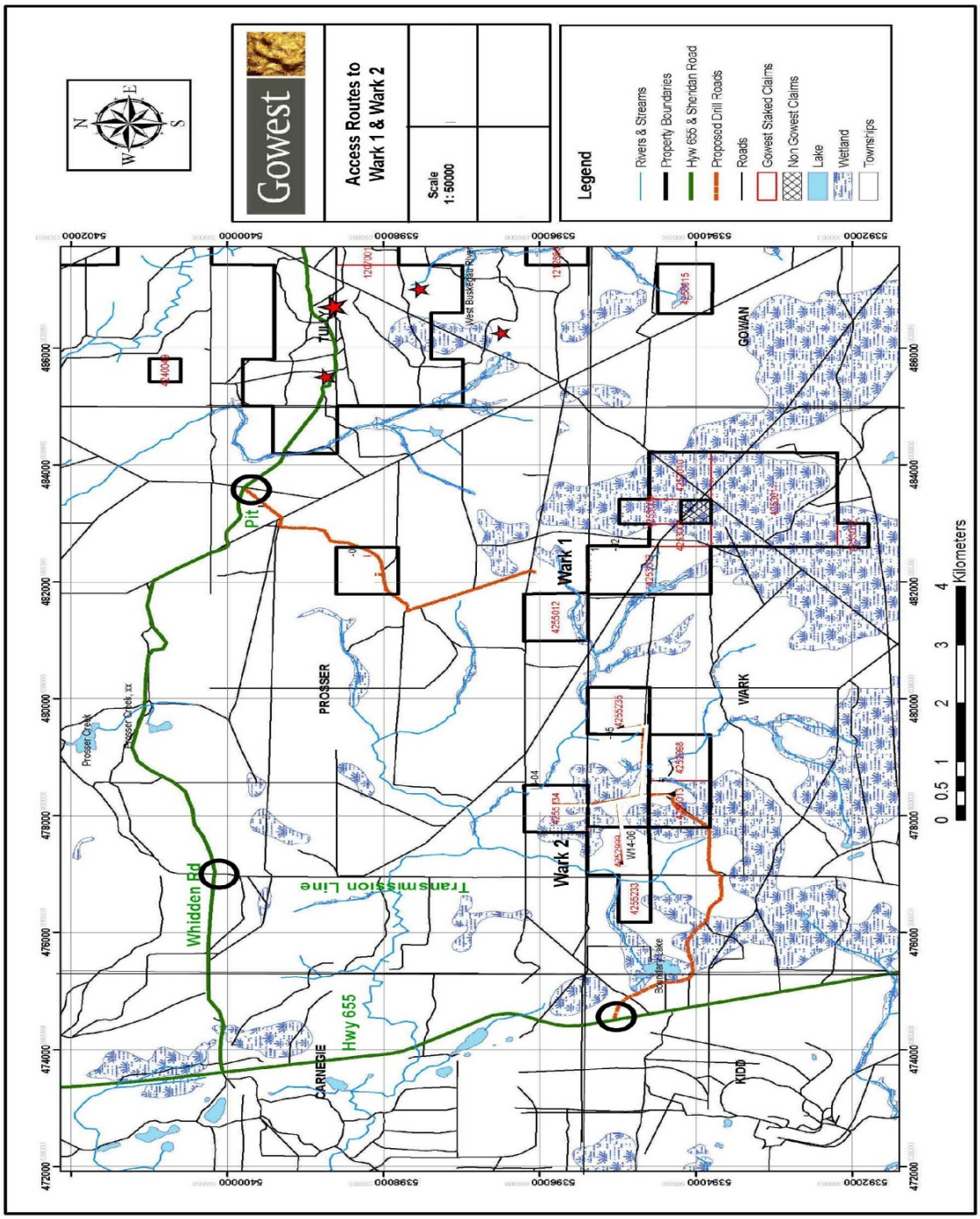

Figure 2 Access routes to Wark 1 and Wark 2 Properties

GRID DESCRIPTION

A saw cut grid (20.7 line km) was established by Silver Spruce Explorations Inc. for Gowest Gold Ltd on claims 4255012 and 4253013 of the Wark 1 Property. It was cut from March 3 to March 22, 2016. It consisted of eight north-south grid lines totaling 6.5 km and an 800 m east-west baseline on claim 4255012. The grid on claim 4253013 consisted of eight north-south grid lines totaling 12.6 km and an 810 m east-west baseline in the middle (see Figure 3).

Table 1 Wark 1 Property Grid

Wark 1 4255012

			From	To	
Line	**Line E**	**UTM_E**	**UTM_N**	**UTM_N**	**Line m**
1025E		481025	5396200	5395385	815
1125E		481125	5396200	5395385	815
1225E		481225	5396200	5395385	815
1325E		481325	5396700	5394885	815
1425E		481425	5396200	5395385	815
1525E		481525	5396200	5395385	815
1625E		481625	5396200	5395385	815
1725E		481725	5396200	5395385	815
BL	481800	481000	5396200		800
				TOTAL	7320

Wark 1 4253013

			From	To	
Line	**Line E**	**UTM_E**	**UTM_N**	**UTM_N**	**Line m**
1850E		481850	5395385	5393810	1575
1950E		481950	5395385	5393810	1575
2050E		482050	5395385	5393810	1575
2150E		482150	5395785	5393410	1575
2250E		482250	5395385	5393810	1575
2350E		482350	5395385	5393810	1575
2450E		482450	5395385	5393810	1575
2550E		482550	5395385	5393810	1575
BL	482610	481800	5394600		810
				TOTAL	13410

Figure 3 Wark 1 IP grid

INDUCED POLARIZATION PROGRAM

A deep penetrating gradient time domain induced polarization (IP)/Resistivity survey was conducted by Insight Geophysics Inc. over the two northwest claims (4255012 and 4253013) of the Wark 1 Property. The survey was done after a successful test survey was completed on the Gowest Bradshaw gold deposit. The Wark 1 survey was conducted from March 9 to March 30, 2016 and was comprised of 19.5 line km of gradient array surveying and 4 line km of sectioning. A field crew of five conducted the survey. The field crew chief was Tom Goutos of Insight Geophysics Inc. and his helpers were Nick Alles (Insight), Joe Wabie (Insight), Shay (Vision Exploration) and Jonathan Green (Vision). Details regarding the survey equipment specifications, the survey parameters and the data acquisition details are found in Appendix B the Insight Geophysics Logistical Report.

INDUCED POLARIZATION AND RESISTIVITY RESULTS

Four strong to moderate chargeability anomalies were outlined on the property (Figure 4).

1) The northern most moderate chargeability anomaly lies on the southern portion of claim 4255012. It strikes 075 degrees and has a strike length of +800 m. Its western half has a moderate resistivity signature.
2) The second anomaly a chargeability high lies in the northwest corner of claim 4253013. It is the shortest anomaly with a 300 m strike length and an east-west orientation. It has a low resistivity signature.
3) The third and central high chargeability anomaly on claim 4253013, strikes 060 degrees. It has a strike length of +900 m and coincides with a resistivity low.
4) The fourth and southern most moderate chargeability anomaly is curvilinear in nature. It is oriented east-west and has a 750 m strike length.

CONCLUSION AND RECOMMENDATIONS

Four strong to moderate chargeability anomalies were outlined by the Insight IP/Resisitivity survey. It is recommended that they be evaluated in conjunction with the ground magnetic/VLF survey for future possible drill testing. The historical drilling conducted on the claims should be examined prior to selecting drill targets.

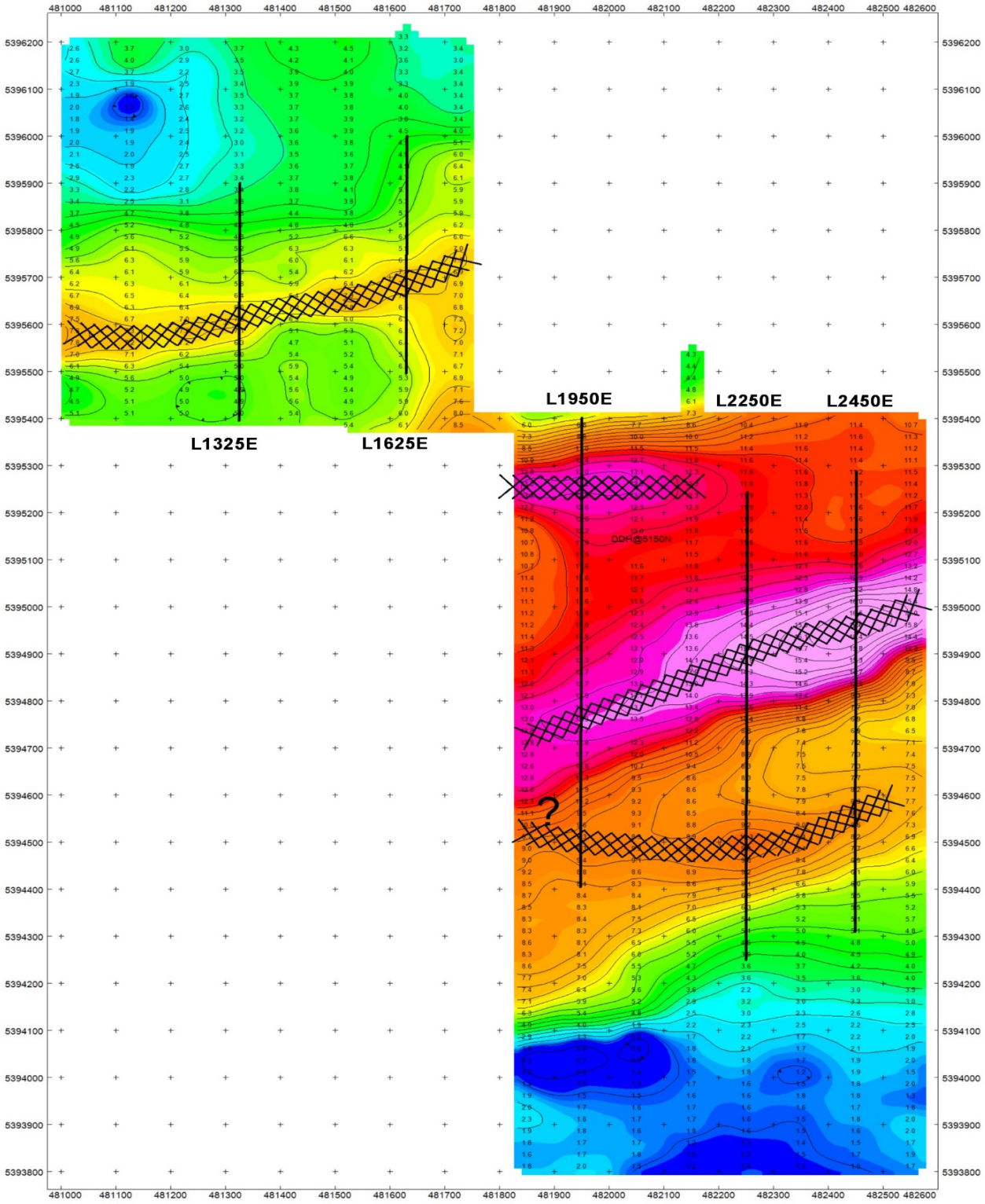

Figure 4 Wark 1 Total IP Chargeability Map

APPENDIX A NORTH TIMMINS GOLD PROJECT CLAIM LIST

Count	District/Division	Project/Property	Township	Claim Number	Recording Date	Claim Due Date
1	Porcupine - 60	GW Orphan Tully (G-3985)	Tully	4240049	2010-Mar-03	2017-Mar-03
2	Porcupine - 60	GW Orphan Tully (G-3985)	Tully	4254623	2010-Mar-03	2020-Mar-03
3	Porcupine - 60	GC Tully East Block-1	Tully	1207009	1996-Mar-19	2017-Mar-19
4	Porcupine - 60	GC Tully East Block-1	Tully	1244809	2001-Mar-30	2017-Mar-30
5	Porcupine - 60	Guidoccio Tully East	Tully	4269722	2012-Mar-08	2018-Mar-08
6	Porcupine - 60	Guidoccio Tully East	Tully	4269723	2012-Mar-08	2018-Mar-08
7	Porcupine – 60	Gowest Tully East	Tully	4277620	2014-Aug-28	2016-Aug-28
8	Porcupine – 60	Gowest Tully East	Tully	4277624	2014-Aug-29	2016-Aug-29
9	Porcupine - 60	Transition Pipestone East	Evelyn	4253001	2010-Feb-02	2017-Feb-02
10	Porcupine - 60	Transition Pipestone East	Evelyn	4253002	2010-Feb-02	2017-Feb-02
11	Porcupine - 60	Transition Pipestone East	Evelyn	4253003	2010-Feb-02	2017-Feb-02
12	Porcupine - 60	Transition Pipestone East	Evelyn	4253004	2010-Feb-02	2017-Feb-02
13	Porcupine - 60	Transition Pipestone East	Evelyn	4253005	2010-Feb-02	2017-Feb-02
14	Porcupine - 60	Transition Pipestone East	Evelyn	4253006	2010-Feb-02	2017-Feb-02
15	Porcupine - 60	Transition Pipestone East	Evelyn	4257022	2010-Jul-12	2016-Jul-12
16	Porcupine - 60	Transition Pipestone East	Evelyn	4257023	2010-Jul-12	2016-Jul-12
Count	**District/Division**	**Project/Property**	**Township**	**Claim Number**	**Recording Date**	**Claim Due Date**
17	Porcupine - 60	Transition Pipestone East	Evelyn	4257024	2010-Jul-12	2016-Jul-12
18	Porcupine - 60	Transition Pipestone East	Evelyn	4257025	2010-Jul-12	2016-Jul-12
19	Porcupine - 60	Transition Pipestone East	Evelyn	4257027	2010-Jul-12	2016-Jul-12
20	Porcupine - 60	Gowan	Gowan	4253015	2010-Feb-02	2017-Feb-02
21	Porcupine - 60	Transition Pipestone East	Little	4257021	2010-Jul-12	2016-Jul-12
22	Porcupine - 60	Prosser	Prosser	4253014	2010-Feb-02	2017-Feb-02
23	Porcupine - 60	Wark 1	Prosser	4255012	2010-Mar-09	2017-Mar-09
24	Porcupine - 60	Wark 2	Prosser	4255234	2010-Apr-26	2017-Apr-26
25	Porcupine - 60	Wark 2	Wark	4252998	2010-Apr-27	2017-Apr-27
26	Porcupine - 60	Wark 2	Wark	4252999	2010-Apr-26	2017-Apr-26
27	Porcupine - 60	Wark 1	Wark	4253007	2010-Feb-02	2017-Feb-02
28	Porcupine - 60	Wark 1	Wark	4253009	2010-Feb-02	2017-Feb-02
29	Porcupine - 60	Wark 1	Wark	4253010	2010-Feb-02	2017-Feb-02
30	Porcupine - 60	Wark 1	Wark	4253011	2010-Feb-02	2017-Feb-02
31	Porcupine - 60	Wark 1	Wark	4253012	2010-Feb-02	2017-Feb-02
32	Porcupine - 60	Wark 1	Wark	4253013	2010-Feb-02	2017-Feb-02
33	Porcupine - 60	Wark 2	Wark	4255013	2010-Mar-09	2017-Mar-09
34	Porcupine - 60	Wark 2	Wark	4255233	2010-Apr-26	2017-Apr-26
35	Porcupine - 60	Wark 2	Wark	4255235	2010-Apr-26	2017-Apr-26
36	Porcupine - 60	GW Pipestone East	Little	4270230	2012-May-04	2017-May-04
37	Porcupine - 60	GW Pipestone East	Evelyn	4262511	2011-Jun-15	2017-Jun-15

38	Porcupine - 60	GW Pipestone East	Evelyn	4262512	2011-Jun-15	2017-Jun-15	
39	Porcupine - 60	GW Pipestone East	Little	4262513	2011-Jun-15	2017-Jun-15	
40	Porcupine - 60	GW Pipestone East	Little	4270231	2012-May-04	2017-May-04	
41	Porcupine - 60	GW Pipestone East	Little	4270232	2012-May-04	2017-May-04	
42	Porcupine - 60	GW Pipestone East	Little	4270233	2012-May-04	2017-May-04	
43	Porcupine - 60	GW Pipestone East	Little	4270234	2012-May-04	2017-May-04	
44	Porcupine - 60	GW Pipestone East	Little	4270235	2012-May-04	2017-May-04	
45	Porcupine - 60	GW Pipestone East	Little	4270236	2012-May-04	2017-May-04	
46	Porcupine - 60	GW Pipestone East	Evelyn	4270237	2012-May-04	2017-May-04	
47	Porcupine - 60	GW Pipestone East	Evelyn	4270238	2012-May-04	2017-May-04	
48	Porcupine - 60	GW Pipestone East	Evelyn	4270239	2012-May-04	2017-May-04	
49	Porcupine - 60	GW Pipestone East	Evelyn	4267266	2012-May-04	2017-May-04	
50	Porcupine - 60	GW Pipestone East	Evelyn	4267267	2012-May-04	2017-May-04	
51	Porcupine - 60	GW Pipestone East	Little	4270356	2013-Apr-08	2017-Apr-08	
52	Porcupine - 60	GW Pipestone East	Little	4270357	2013-Apr-08	2017-Apr-08	
53	Porcupine - 60	GW Pipestone East	Little	4270358	2013-Apr-08	2017-Apr-08	
54	Porcupine - 60	GW Pipestone East	Tully	4270359	2013-Apr-08	2017-Apr-08	
55	Porcupine - 60	GW Pipestone East	Little	4261682	2013-Apr-22	2017-Apr-22	
56	Porcupine - 60	GW Pipestone East	Little	4261683	2013-Apr-22	2017-Apr-22	

Count	District/Division	Project/Property	Township	Lease or License	Claim No.	Start/Anniversary	Lease Expiry
57	Porcupine - 60	Dowe	Tully	107242	101372	1999-Feb-01	2020-Jan-31
58	Porcupine - 60	Dowe	Tully	107242	101373	1999-Feb-01	2020-Jan-31
59	Porcupine - 60	Dowe	Tully	107242	101374	1999-Feb-01	2020-Jan-31
60	Porcupine - 60	Dowe	Tully	107242	101375	1999-Feb-01	2020-Jan-31
61	Porcupine - 60	Texmont/Frankfield	Prosser	107280	508392	1999-Dec-01	2020-Nov-30
62	Porcupine - 60	Texmont/Frankfield	Prosser	107280	508394	1999-Dec-01	2020-Nov-30
63	Porcupine - 60	Texmont/Frankfield	Tully	107280	508389	1999-Dec-01	2020-Nov-30
64	Porcupine - 60	Texmont/Frankfield	Tully	107280	508395	1999-Dec-01	2020-Nov-30
65	Porcupine - 60	Texmont/Frankfield	Tully	107280	508396	1999-Dec-01	2020-Nov-30

Count	District/Division	Project/Property	Township	Lease or License	Claim No.	Start/Anniversary	Lease Expiry
66	Porcupine - 60	Texmont/Frankfield	Tully	107280	508398	1999-Dec-01	2020-Nov-30
67	Porcupine - 60	Texmont/Frankfield	Tully	107280	508397	1999-Dec-01	2020-Nov-30
68	Porcupine - 60	Texmont/Frankfield	Tully	107280	508399	1999-Dec-01	2020-Nov-30
69	Porcupine - 60	Texmont/Frankfield	Tully	107280	508400	1999-Dec-01	2020-Nov-30
70	Porcupine - 60	Texmont/Frankfield	Tully	107280	508401	1999-Dec-01	2020-Nov-30
71	Porcupine - 60	Texmont/Frankfield	Tully	107280	508402	1999-Dec-01	2020-Nov-30
72	Porcupine - 60	Texmont/Frankfield	Prosser	107281	508391	1999-Dec-01	2020-Nov-30
73	Porcupine - 60	Texmont/Frankfield	Prosser	107281	508393	1999-Dec-01	2020-Nov-30
74	Porcupine - 60	Texmont/Frankfield	Tully	107281	508390	1999-Dec-01	2020-Nov-30
75	Porcupine - 60	Texmont/Frankfield	Tully	107335	97938	2000-Oct-01	2021-Sept-30
76	Porcupine - 60	Texmont/Frankfield	Tully	107335	97941	2000-Oct-01	2021-Sept-30
77	Porcupine - 60	Texmont/Frankfield	Tully	107335	97942	2000-Oct-01	2021-Sept-30

78	Porcupine - 60	Texmont/Frankfield	Tully	107335	97943	2000-Oct-01	2021-Sept-30
79	Porcupine - 60	Texmont/Frankfield	Tully	107335	97939	2000-Oct-01	2021-Sept-30
80	Porcupine - 60	Texmont/Frankfield	Tully	107335	97940	2000-Oct-01	2021-Sept-30
81	Porcupine - 60	Texmont/Frankfield	Tully	107335	97948	2000-Oct-01	2021-Sept-30
82	Porcupine - 60	Texmont/Frankfield	Tully	107335	97949	2000-Oct-01	2021-Sept-30
83	Porcupine - 60	Texmont/Frankfield	Tully	107336	97944	2000-Oct-01	2021-Sept-30
84	Porcupine - 60	Texmont/Frankfield	Tully	107336	97945	2000-Oct-01	2021-Sept-30
85	Porcupine - 60	Texmont/Frankfield	Tully	107336	97947	2000-Oct-01	2021-Sept-30
86	Porcupine - 60	Texmont/Frankfield	Tully	107336	97946	2000-Oct-01	2021-Sept-30
87	Porcupine - 60	Texmont/Frankfield	Tully	107360	99286	2000-Oct-01	2021-Sept-30
88	Porcupine - 60	Texmont/Frankfield	Tully	107360	99287	2000-Oct-01	2021-Sept-30
89	Porcupine - 60	Texmont/Frankfield	Tully	107360	99289	2000-Oct-01	2021-Sept-30
90	Porcupine - 60	Texmont/Frankfield	Tully	107360	99288	2000-Oct-01	2021-Sept-30
91	Porcupine - 60	Texmont/Frankfield	Tully	107361	100440	2001-Jun-01	2022-May-31
92	Porcupine - 60	Texmont/Frankfield	Tully	107361	100437	2001-Jun-01	2022-May-31
93	Porcupine - 60	Texmont/Frankfield	Tully	107361	100441	2001-Jun-01	2022-May-31
94	Porcupine - 60	Texmont/Frankfield	Tully	107361	100438	2001-Jun-01	2022-May-31
95	Porcupine - 60	Texmont/Frankfield	Tully	107361	100442	2001-Jun-01	2022-May-31

Count	**District/Division**	**Project/Property**	**Township**	**Lease or License**	**Claim No.**	**Start/Anniversary**	**Lease Expiry**
96	Porcupine - 60	Texmont/Frankfield	Tully	107361	100439	2001-Jun-01	2022-May-31
97	Porcupine - 60	GC Tully North Block-1	Tully	107484	101255	2003-Sept-01	2024-Aug-31
98	Porcupine - 60	GC Tully North Block-1	Tully	107484	101256	2003-Sept-01	2024-Aug-31
99	Porcupine - 60	GC Tully North Block-1	Tully	107484	101257	2003-Sept-01	2024-Aug-31
100	Porcupine - 60	GC Tully North Block-1	Tully	107484	101258	2003-Sept-01	2024-Aug-31
101	Porcupine - 60	GC Tully North Block-1	Tully	107484	101259	2003-Sept-01	2024-Aug-31
102	Porcupine - 60	GC Tully North Block-1	Tully	107484	101260	2003-Sept-01	2024-Aug-31
103	Porcupine - 60	GC Tully North Block-1	Tully	107484	101261	2003-Sept-01	2024-Aug-31
104	Porcupine - 60	GC Tully North Block-1	Tully	107484	101262	2003-Sept-01	2024-Aug-31
105	Porcupine - 60	GC Tully North Block-1	Tully	107484	101948	2003-Sept-01	2024-Aug-31
106	Porcupine - 60	GC Tully North Block-1	Tully	107484	101949	2003-Sept-01	2024-Aug-31
107	Porcupine - 60	GC Tully North Block-1	Tully	107484	101950	2003-Sept-01	2024-Aug-31
108	Porcupine - 60	GC Tully North Block-1	Tully	107484	101951	2003-Sept-01	2024-Aug-31
109	Porcupine - 60	GC Tully North Block-1	Tully	107484	101952	2003-Sept-01	2024-Aug-31
110	Porcupine - 60	White Star/Frankfield	Tully	107311	501055	2000-June-01	2021-May-31
111	Porcupine - 60	White Star/Frankfield	Tully	107311	501056	2000-June-01	2021-May-31
112	Porcupine - 60	White Star/Frankfield	Tully	107310	501057	2000-June-01	2021-May-31
113	Porcupine - 60	White Star/Frankfield	Tully	107310	501058	2000-June-01	2021-May-31
114	Porcupine - 60	White Star/Frankfield	Tully	107311	501059	2000-June-01	2021-May-31
115	Porcupine - 60	White Star/Frankfield	Tully	107311	501060	2000-June-01	2021-May-31
116	Porcupine - 60	White Star/Frankfield	Tully	107311	501061	2000-June-01	2021-May-31
117	Porcupine - 60	White Star/Frankfield	Tully	107310	501062	2000-June-01	2021-May-31

118	Porcupine - 60	White Star/Frankfield	Tully	107310	501063	2000-June-01	2021-May-31
119	Porcupine - 60	White Star/Frankfield	Tully	107311	501064	2000-June-01	2021-May-31
120	Porcupine - 60	White Star/Frankfield	Tully	107311	501065	2000-June-01	2021-May-31
121	Porcupine - 60	White Star/Frankfield	Tully	107310	515807	2000-June-01	2021-May-31
122	Porcupine - 60	GC Tully East Block-1	Tully	109337	1160197	2013-Aug-01	2034-Jul-31
123	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207001	2013-Aug-01	2034-Jul-31
124	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207003	2013-Aug-01	2034-Jul-31
125	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207004	2013-Aug-01	2034-Jul-31
126	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207005	2013-Aug-01	2034-Jul-31
127	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207007	2013-Aug-01	2034-Jul-31
128	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207010	2013-Aug-01	2034-Jul-31
129	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207701	2013-Aug-01	2034-Jul-31
130	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207702	2013-Aug-01	2034-Jul-31
131	Porcupine - 60	GC Tully East Block-1	Tully	109337	1207703	2013-Aug-01	2034-Jul-31
132	Porcupine - 60	GC Tully East Block-1	Tully	109337	1212880	2013-Aug-01	2034-Jul-31
133	Porcupine - 60	GC Tully East Block-1	Tully	109337	1244810	2013-Aug-01	2034-Jul-31
134	Porcupine - 60	GC Tully East Block-1	Tully	109337	1245331	2013-Aug-01	2034-Jul-31

Count	**District/Division**	**Project/Property**		**Township and Location**
135	Porcupine - 60	Boudreau purchase	Tully	SE1/4 &SW1/4 N1/2 and S1/2 of Lot 1, Conc 1

APPENDIX B INSIGHT GEOPHYSICS LOGISTICAL REPORT

INSIGHT GEOPHYSICS INC.
95 WALBY DR., OAKVILLE, ONTARIO, CANADA, L6L-4C8
905 465 2996

Geophysical Survey Logistics Report

Gradient and Insight Section Array Resistivity Survey

Bradshaw and Wark 1 Projects

Timmins, Ontario, Canada
Gowest Gold Ltd.

March 2016

C-138

Craig Pawluk
Insight Geophysics Inc.

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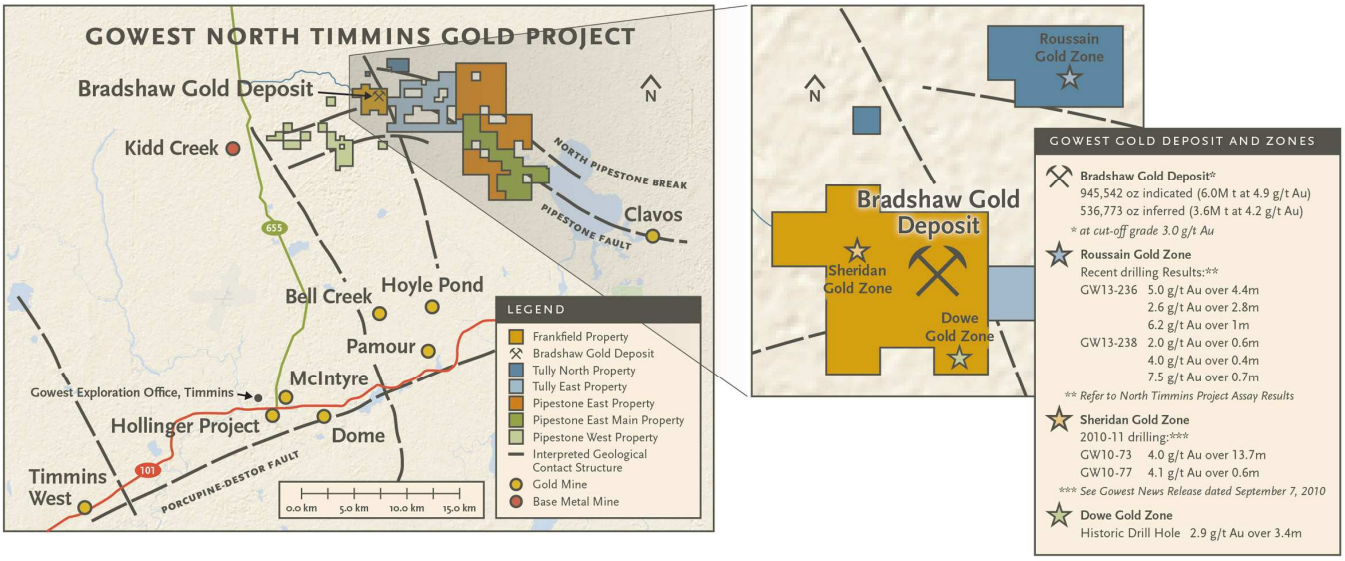
INTRODUCTION

From February 29 through March 30, 2016, Insight Geophysics Inc. was contracted by Gowest Gold to perform Gradient and Insight Section IP/Resistivity surveys on the Bradshaw and Wark 1 Properties near Timmins, Ontario.

General Information

Project Name:	Bradshaw and Wark 1 projects
Survey Type:	Gradient and Insight Section Time Domain Induced Polarization / Resistivity
Client:	Gowest Gold Ltd.
Representatives:	Mr. Kevin Montgomery, Manager of exploration

SURVEY GRID

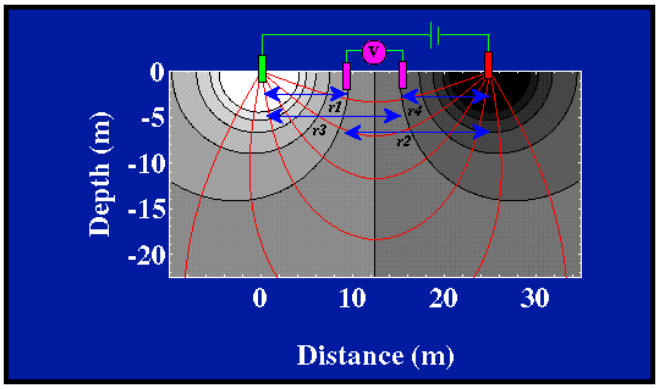


PROJECT LOCATION MAPS

SURVEY PARAMETERS

Apparent Resistivity

Let the distances between the four electrodes be given by *r1, r2, r3,* and *r4* as shown in the figure.



Knowing the locations of the four electrodes, and by measuring the amount of current input into the ground, *i*, and the voltage difference between the two potential electrodes, *ÆV*, we can compute the resistivity of the medium, *rho-a*, using the following equation

$$\rho_a = \frac{2\pi\Delta V}{i}\left[\frac{1}{\left(\frac{1}{r_1}-\frac{1}{r_2}-\frac{1}{r_3}+\frac{1}{r_4}\right)}\right]$$

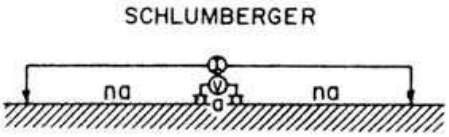
The resistivity computed using the equation given above is referred to as the *apparent resistivity*. We call it the apparent resistivity for the following reason. We can always compute *rho-a*, we only need to know the locations of the electrodes and measure the current and voltage. If, however, the Earth does not have a constant resistivity (that is if the resistivity varies with depth or horizontally), the resistivity computed by the above equation will not represent the true resistivity of the Earth. Thus, we refer to it as an apparent resistivity.

Chargeability (M)

True chargeability is the ratio of the over- or secondary voltage, V_s, to the observed voltage, V_o, applied by way of an electrode array so that $M = V_s/V_o$, expressed as a percentage or as millivolts per volt. In reality, what is measured is the apparent chargeability (M_a) which is the area (A) beneath the voltage-time decay curve over a defined time interval (t_1 to t_2) and normalized by the assumed steady-state primary voltage, V_p, such that $\mathbf{M_a = A/V_p = (1/V_p) \times \int_{t1}^{t2}}$ of V(t)dt, in units of mVs/V.

Data Acquisition

Data acquisition of the gradient and the Insight Section arrays are based on the principles of the Schlumberger array. In the Schlumberger array, a vertical geo-electric sounding is produced by expanding the current electrodes out from a centrally located pair of potential electrodes. As the Distance between the current electrodes (L) is increased, the effective depth of penetration is also increased, thus creating a geo-electric sounding curve.



$$\rho = \pi \frac{V}{I} n(n+1)a$$

The Gradient Array is a modified Schlumberger array which is best utilized for economically covering large areas. As with the Schlumberger array, the potential electrodes are always located within the boundaries of the two current electrodes. However, unlike the Schlumberger array, the current electrodes are placed at a fixed location (up to 100 times the potential dipole separation) and the potential electrodes are moved in a profile manner up and down lines between the current electrodes. Typically several lines can be read from a single transmitter placement.

The effective depth of penetration can be approximated from Edwards(1977) where he defines the effective depth (Ze) between current electrodes separated by (L) as:

$$\mathbf{Z_E/L = 0.190}$$

The results from the Gradient array are used to define the lateral boundaries of geo-electric anomalies. These anomalies can then be further detailed in a vertical dimension by surveying them with Insight Sections.

The Insight Section is composed of a fixed array of potential electrodes (typically 40 with a potential dipole separation (MN) of 25 meters). The dimensions of the array are completely flexible pending the target depth and dimensions. Starting at the center location of the Insight Section, multiple current injections at various AB lengths are used to create vertical geo-electric soundings beneath each of the receiver potential dipoles. AB lengths used to create an Insight Section typically range from 5MN to 100MN.

Data points are plotted directly below the center point of each potential electrode in the array. The estimated depth calculation for each plot point uses Edwards Ze estimation that has been further modified to reflect the reduction in effective penetration encountered as the position of any given potential electrode deviates from the center of L towards one or the other current electrode positions.

Specifications

IP Survey

Survey Type: Time Domain Induced Polarization / Resistivity

Array Types: Gradient and Insight Section Array

AB (Tx dipole spacing):	Multiple AB injections
MN (Rx dipole spacing):	25 meters gradient, 25 meters Sections
Sampling Interval:	25 meters gradient, 25 meters Sections

Instrumentation

ELREC PRO Ten channel IP receiver

TECHNICAL SPECIFICATIONS

• Input voltage:
Max. input voltage: 15 V
Protection: up to 800V
• Voltage measurement:
Accuracy: 0.2 % typical
Resolution: 1 μV
Minimum value: 1 μV
• Chargeability measurement:
Accuracy: 0.6 % typical
• Induced Polarization (chargeability) measured over to 20 automatic or user defined windows
• Input impedance: 100 MΩ
• Signal waveform: Time domain (ON+,OFF,ON-,OFF) with a pulse duration of 500 ms - 1 s - 2 s - 4 s - 8 s
• Automatic synchronization and re-synchronization process on primary voltage signals
• Computation of apparent resistivity, average chargeability and standard deviation
• Noise reduction: automatic stacking number in relation with a given standard deviation value
• SP compensation through automatic linear drift correction
• 50 to 60Hz power line rejection
• Battery test

GENERAL SPECIFICATIONS.

• Data flash memory: more than 21 000 readings
• Serial link RS-232 for data download
• Power supply: internal rechargeable 12V, 7.2 Ah battery ; optional external 12V standard car battery can be also used
• Weather proof
• Shock resistant fiber-glass case
• Operating temperature: -20 °C to +70 °C
• Dimensions: 31 x 21 x 21 cm
• Weight: 6 kg

Walcer Model TX KW10

Voltage Input
125V line to neutral
400 Hz / 3 phase
Powered by MG12, MG6 and MG12A

Output
100 - 3200V in 10 steps
0.05 - 20 Amps
Tested to 10.5 kVA

Switching
1 sec., 2 sec., 4 sec., 8 sec.

Metering
LED for line voltage
and output current

Size
63cm. x 54cm. x 25cm.

Weight
44 kg.

IP Parameters

Transmitted Waveform: Square wave @ 0.0625 Hz (***4 second Square Wave***)
50% duty cycle

Receiver Sampling: Semi-Logarithmic windows (20 windows)

Window	Width (ms)	Window	Width (ms)
M Delay	160		
1	80	11	160
2	80	12	160
3	80	13	160
4	80	14	160
5	80	15	320
6	80	16	320
7	80	17	320
8	80	18	320
9	160	19	320
10	160	20	320
		TOTAL	3680ms

Recorded Parameters

IP measured parameter: Chargeability in mV/V

Resistivity measured Parameters: Primary Voltage in mV and Transmitted Current in mA.

SURVEY EXECUTION

Generalities

Survey Dates: Feb 29-March 30, 2016

IGI PERSONNEL:

Tom Goutos
Nick Alles
Joe Wabie

Survey Coverage:

Bradshaw

Gradient

A total of approximately 7.2 km of gradient array surveying was completed on the Bradshaw project

Insight Section Survey

6700E 8500N to 9000N
6900E 8500N to 9000N

Wark 1

Gradient

A total of approximately 19.5 km of gradient array surveying was completed on the Bradshaw project

Insight Section Survey

1325E 5400N to 5900N
1625E 5500N to 6000N
1950E 4400N to 5400N
2250E 4250N to 5250N
2450E 4300N to 5300N

DATA PRESENTATION

Quality Control and Processing

The Insight Section Array utilizes a distributed array of 40 channels. Special attention is taken to ensure best possible contact resistance (k-Ohm) prior to acquisition. Approximately 10-15% of the data is repeated and saved in the field for quality control purposes.

Particular attention is given to the time decay curves of the chargeability. The curves are monitored by the operator in real time while taking measurements in the field and every effort is made to ensure the maximum quality of decay curve is achieved. Decay curves are further analyzed by the processing department prior to producing final plots of the data using the Halverson-Wait model as a reference..

Apparent resistivity and total chargeability are calculated by the Elrec-Pro receiver. All receiver data is stored in the final data.csv file including all geometry points, primary voltages and voltage decays for further quality control and data reduction as required.

Once the data has been quality reviewed and low quality readings rejected, a depth estimate calculation is made for the remaining data. The depth estimate is based on a uniform half space and does not account for resistivity changes actually encountered at surface or at depth. Changes in half space penetration resulting from the geometry of the receiver dipoles positions relative to transmitter dipoles positions are estimated.

Depending on the surface conditions encountered on the property, the data will also be corrected for topographic and surface effects.

The final reduced field data can then be inverted using the UBD-2D inversion program. Final inversions are an optional product to the client.

Maps

Gradient maps of the Total Chargeability and Apparent Resistivity are presented at a scale of 1:5,000 and are in UTM co-ordinates .

Section maps of the Apparent Resistivity and Total Chargeability are presented at a scale of 1:5000 and are in UTM co-ordinates.

Respectfully Submitted

Craig Pawluk
Geophysicist
Insight Geophysics Inc

Claim 4255012

Claim 4253013

Scale 1:5000

100 0 100 200 300

(meters)

NAD83 / UTM zone 17N

1.4 1.8 2.9 3.7 4.9 5.5 6.3 7.1 8.4 9.7 11.5 12.2 13.4

mV/V

GOWEST GOLD

Wark 1 Grid
Timmins, Ontario
Total Chargeability

Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc

Claim 4255012

Claim 4253013

Scale 1:5000

100 0 100 200 300

(meters)

NAD83 / UTM zone 17N

293 345 386 452 520 551 575 605 644 695 938 1575

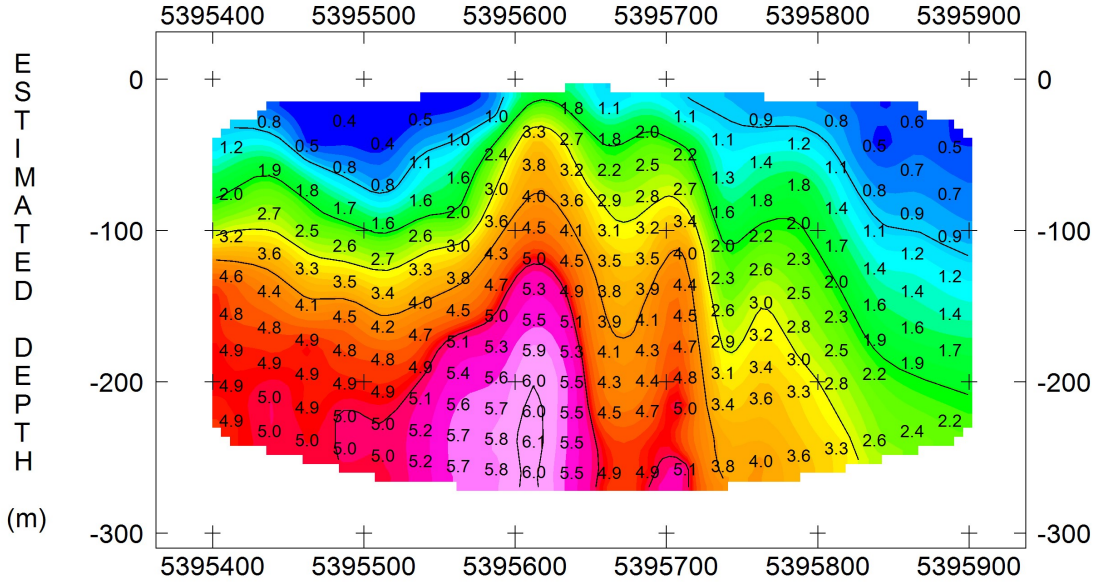
Ohm-m

GOWEST GOLD

Wark 1 Grid
Timmins, Ontario
Apparent Resistivity

Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200

(meters)

0.5 0.9 1.3 1.7 2.1 2.5 3.0 3.5 4.0 4.5 4.9 5.0 5.6

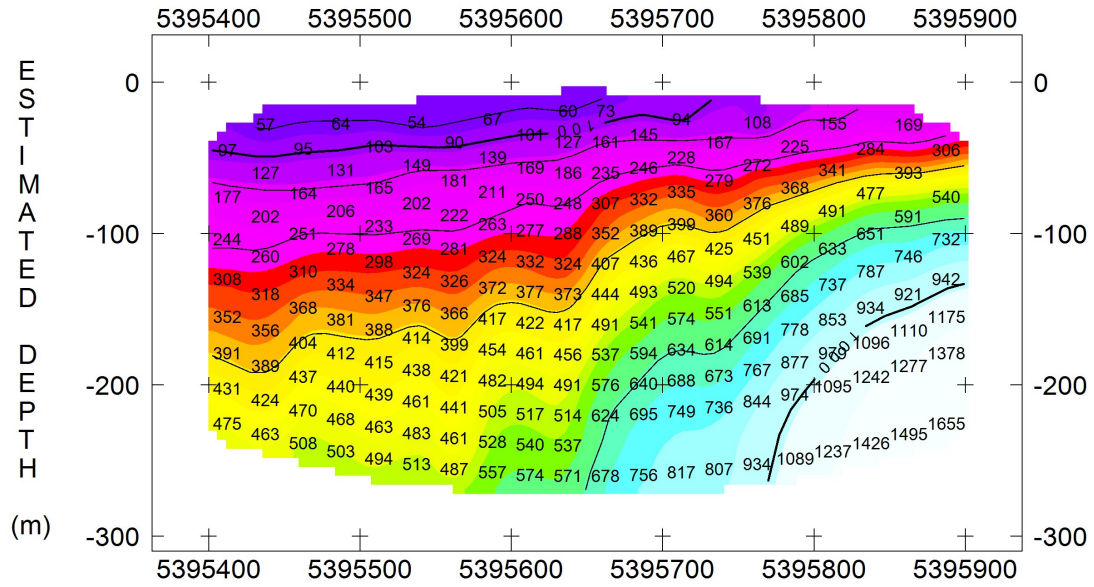
mV/V

GOWEST GOLD

Wark 1 Project
Timmins, Ontario
Insight Section 1325E

Total Chargeability
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200

(meters)

75 148 219 286 345 395 438 479 527 623 768 1033

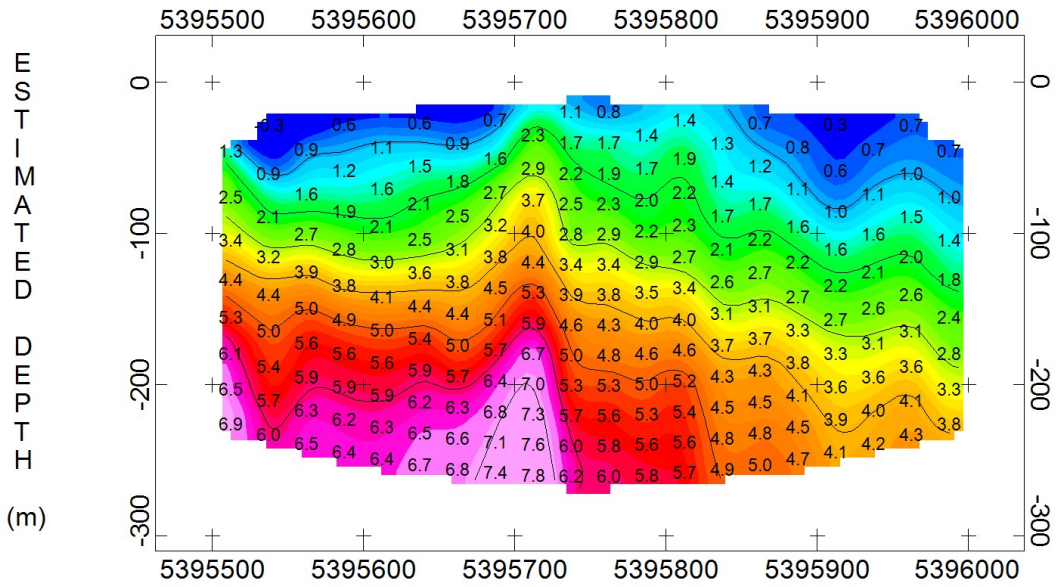
Ohm-m

GOWEST GOLD

Wark 1 Project
Timmins, Ontario
Insight Section 1325E

Apparent Resistivity
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200

(meters)

NAD83 / UTM zone 17N

0.6 1.0 1.5 1.9 2.3 2.8 3.3 3.8 4.3 4.8 5.4 5.9 6.5

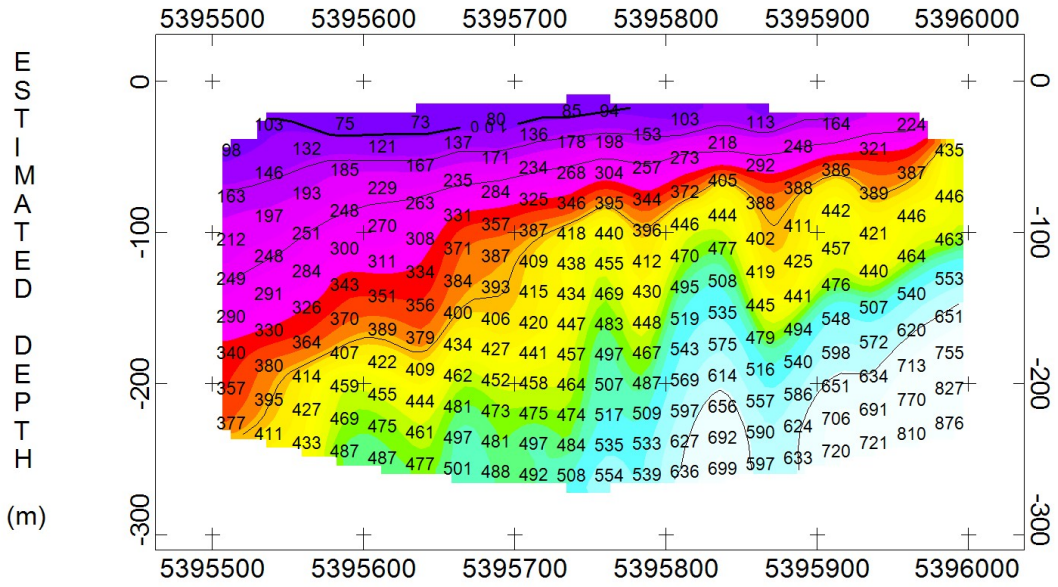
mV/V

GOWEST GOLD

Wark1 Project
Timmins Ont
Insight Section 481625E

Total Chargeability
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200

(meters)

NAD83 / UTM zone 17N

110 191 265 328 375 406 429 450 471 492 540 628

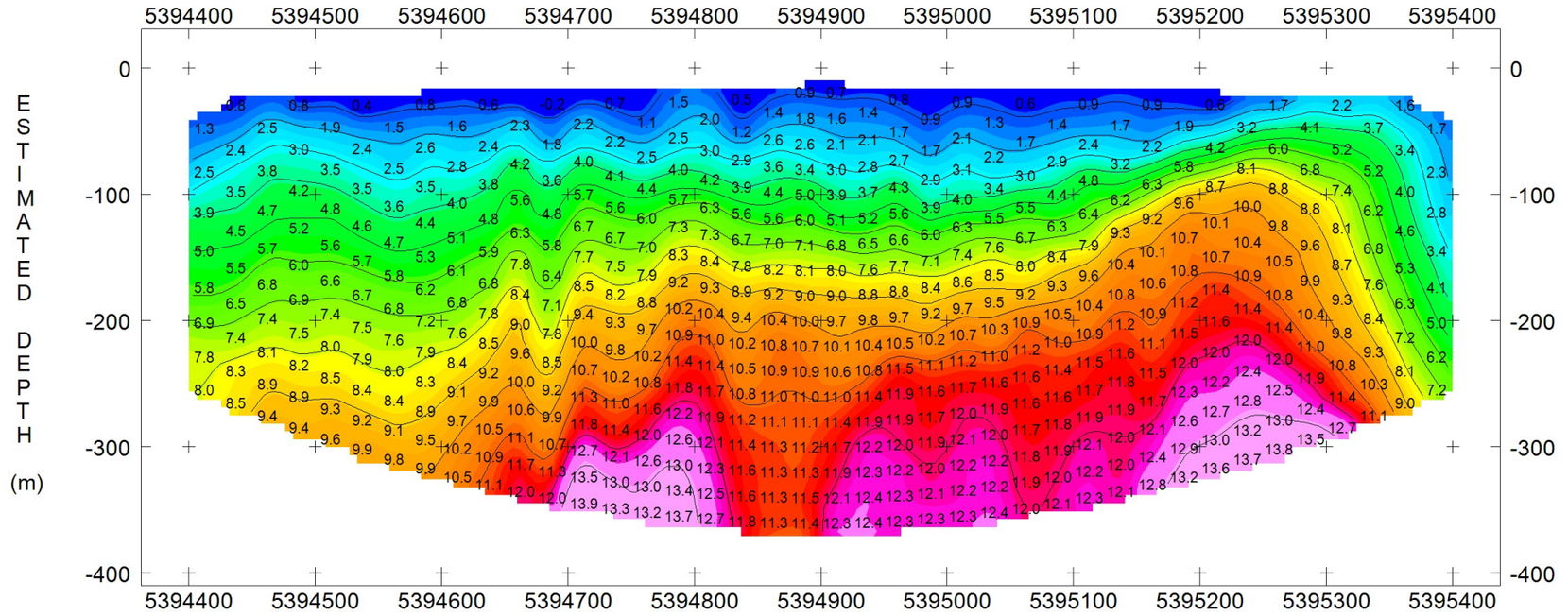
Ohm-m

GOWEST GOLD

Wark1 Project
Timmins Ont
Insight Section 481625E

Apparent Resistivity
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 17N

0.9 2.1 3.3 4.5 5.8 7.1 8.1 9.1 10.0 10.8 11.4 11.9 12.4

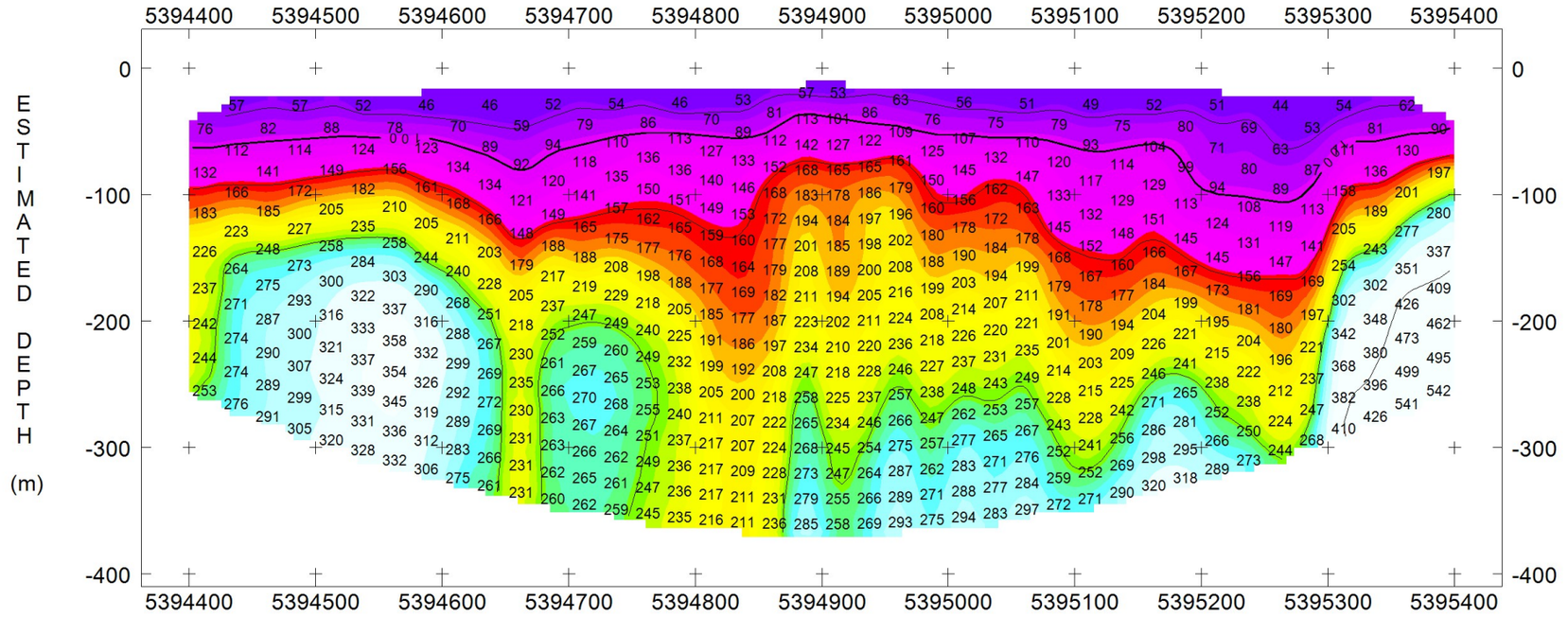
mV/V

GOWEST GOLD

Wark 1 Project
Timmins Ontario
Insight Section 481950E

Total Chargeability
Elrec Pro-Walcer 10kW
C-135 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 17N

59 94 129 155 177 196 213 231 246 261 276 311

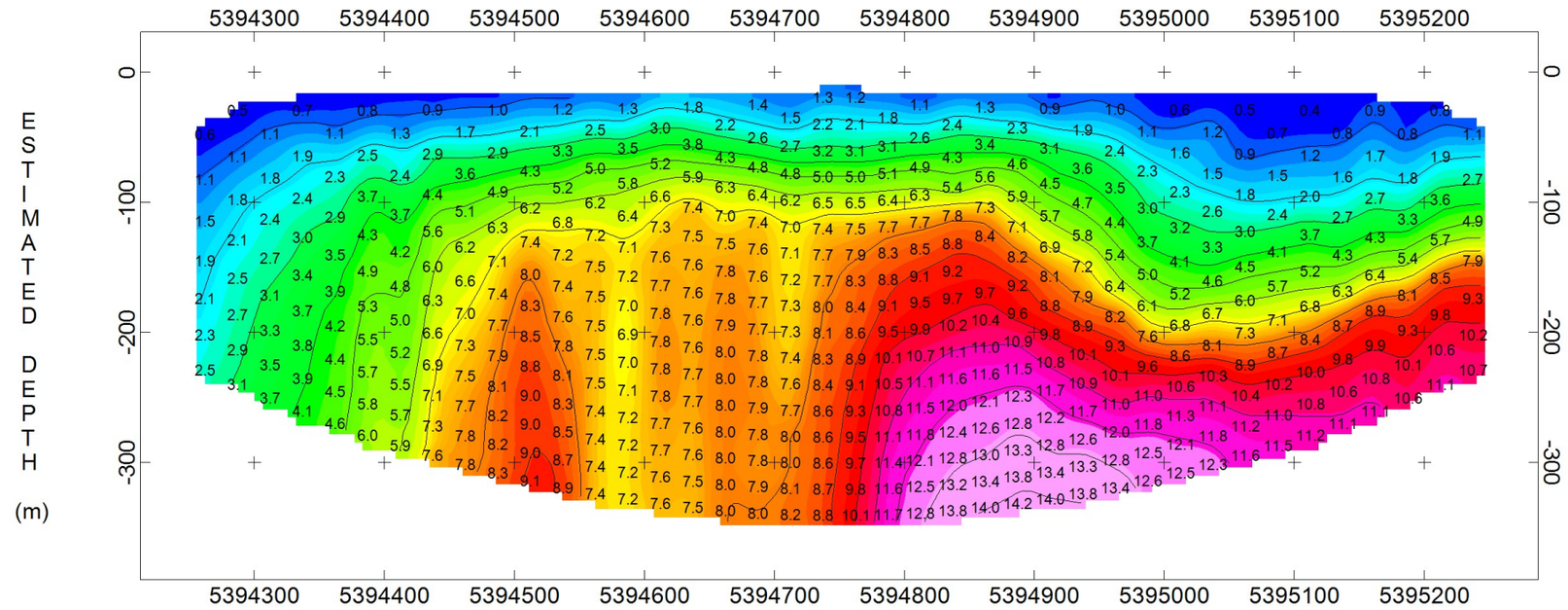
Ohm-m

GOWEST GOLD

Wark 1 Project
Timmins Ontario
Insight Section 481950E

Apparent Resistivity
Elrec Pro-Walcer 10kW
C-135 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 17N

0.8 1.6 2.4 3.3 4.4 5.6 6.8 7.4 7.7 8.1 9.0 10.5 12.1

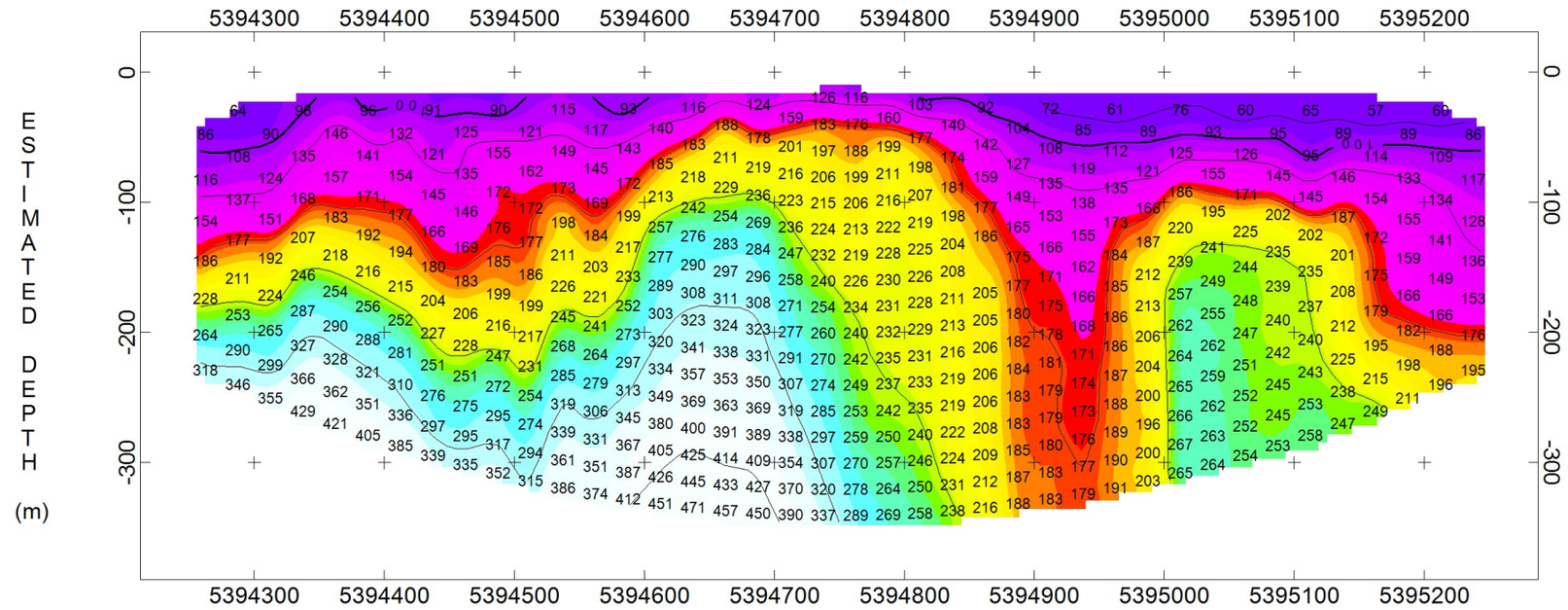
mV/V

GOWEST GOLD

Wark1 Project
Timmins Ontario
Insight Section 482250E

Total Chargeability
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 17N

90 124 150 170 182 196 212 228 244 260 291 340

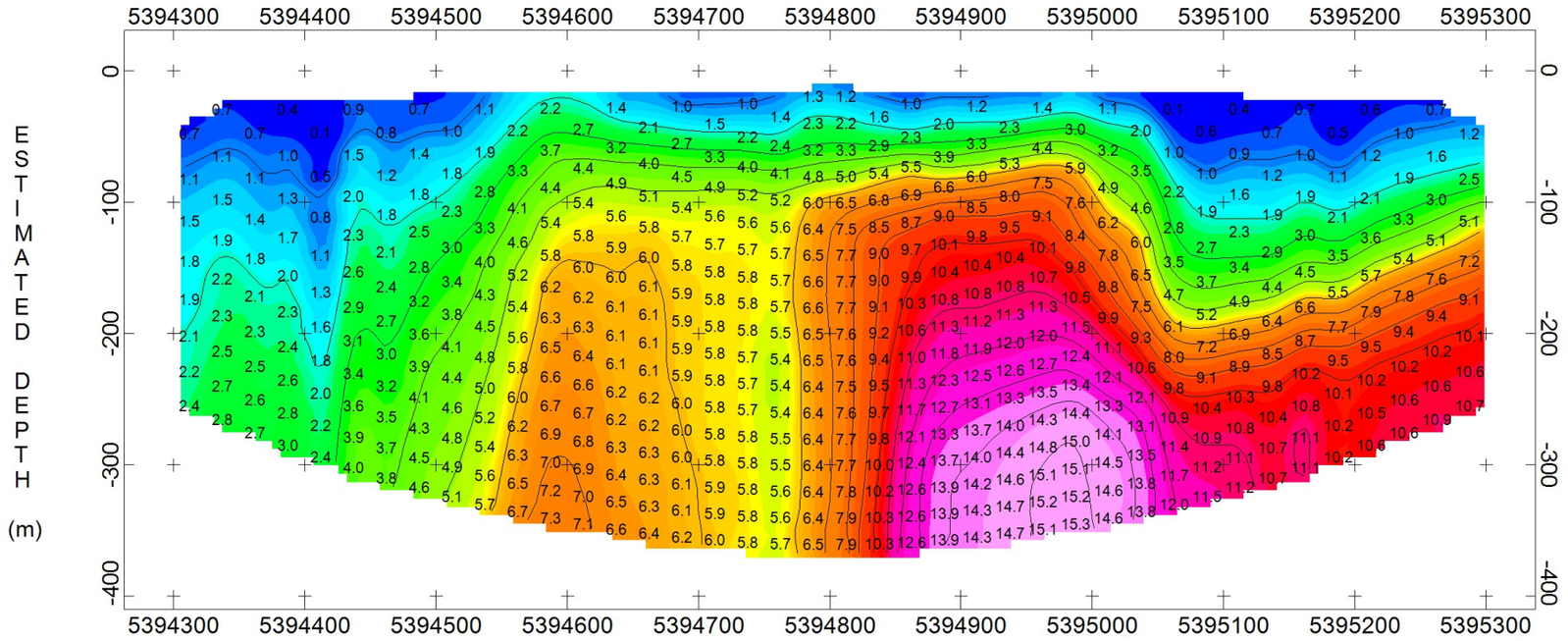
Ohm-m

GOWEST GOLD

Wark1 Project
Timmins Ontario
Insight Section 482250E

Apparent Resistivity
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 17N

0.7 1.3 2.0 2.5 3.5 4.6 5.6 5.9 6.4 7.6 9.8 10.9 13.5

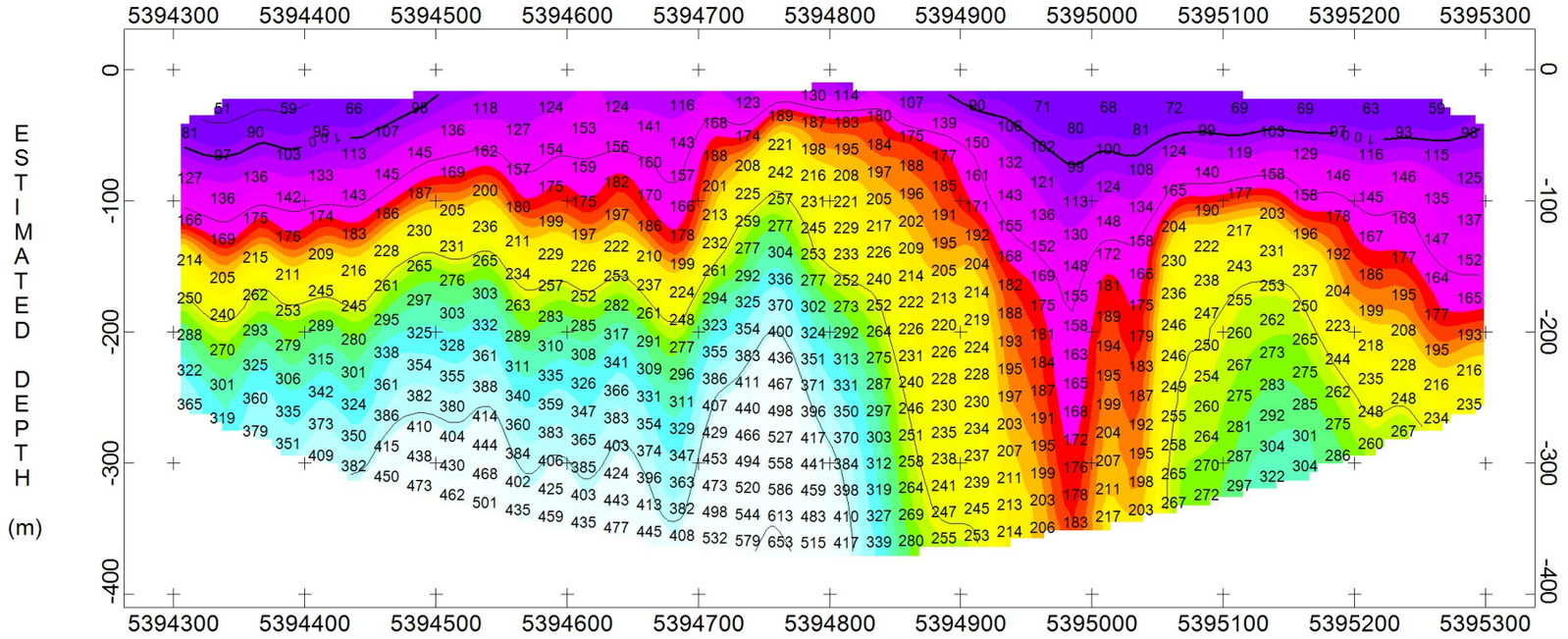
mV/V

GOWEST GOLD

Wark 1 Property
Timmins, Ontario
Insight Section 482450E

Total Chargeability
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc



Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 17N

89 128 154 175 192 208 227 246 268 300 347 406

Ohm-m

GOWEST GOLD

Wark 1 Property
Timmins, Ontario
Insight Section 482450E

Apparent Resistivity
Elrec Pro - Walcer 10kW
C-138 March 2016

Insight Geophysics Inc