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Report on the 2015 Detailed Ground Geophysical Program
Sky Lake Property, Pickle Lake, Ontario

Patricia Mining Division, Ontario

51° 14’ N, 90° 39’ W

NTS 52O07SE, 52O02NE, 52O02NW

FOR

TRI ORIGIN EXPLORATION LTD.

125 Don Hillock Dr., Unit 18
Aurora, Ontario
L4G 0H8

Frank Kendle, BSc.
September 09, 2015

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FIGURES

APPENDICES

1.0 INTRODUCTION AND PROPERTY DESCRIPTION

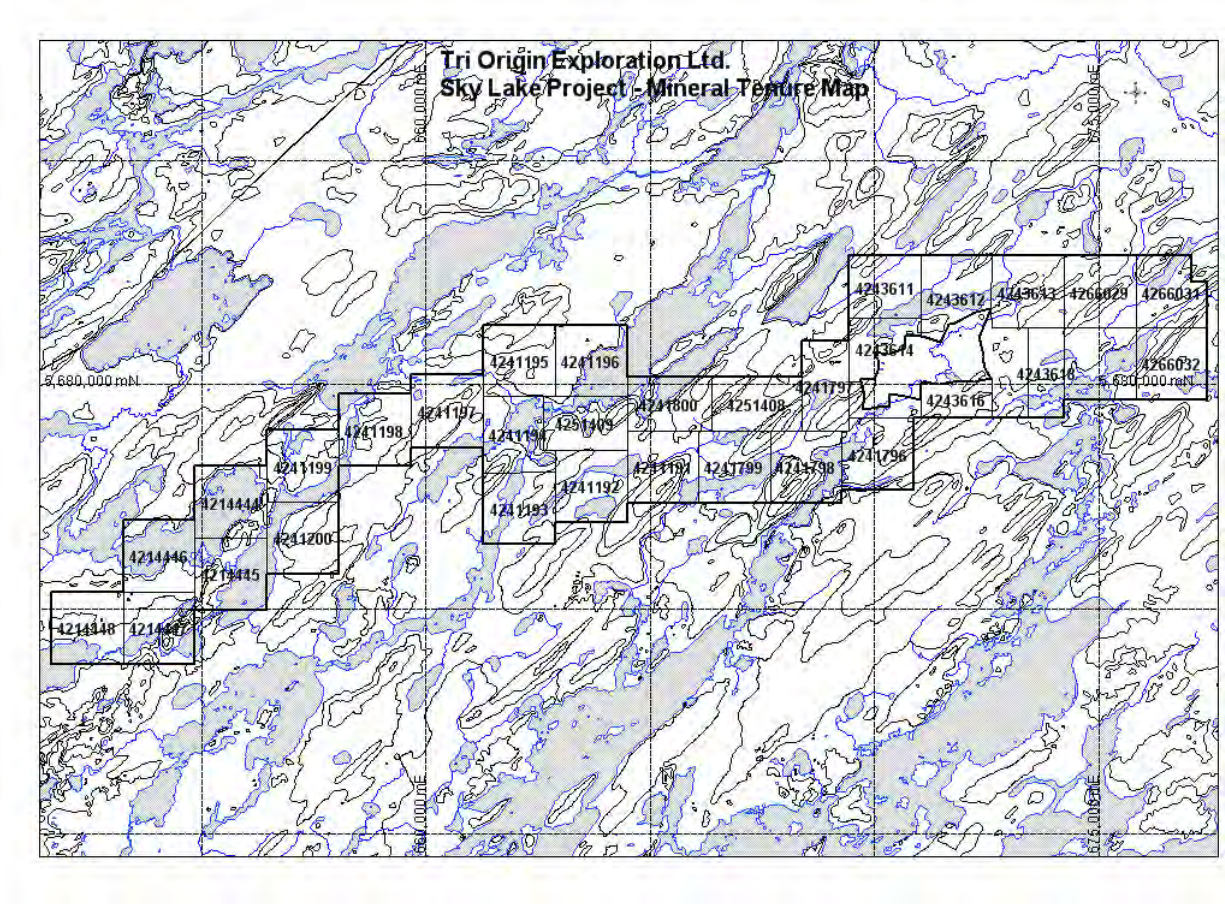
In May and June of 2015 a detailed ground geophysical program was completed by Billington Resources for Tri Origin Exploration Ltd. across Tri Origin's Sky Lake Gold Property. The program consisted of line cutting and an Induced Polarization (IP) survey. The surveys were completed over three claims (4243613, 4243616 and 4243617). These claims are optioned from Kitrinor Metals Inc. The Billington Resources logistics report is attached as Appendix A.

The Sky Lake property lies within the four mapping districts of Duffell Lake, Caley Lake, Matapesatakun Bay Area and Little Ochig Lake in the Patricia Mining Division in northern Ontario. The property is located approximately 25 kilometres southwest of the town of Pickle Lake within the Pickle Lake greenstone belt (Figure 1).

All of the Sky Lake property claims are in one contiguous block with 24 owned 100% by Tri Origin, 8 claims under an option agreement with Kitrinor Metals Inc. and 2 claims held under option agreement with Manicouagan Minerals. The claims cover a prospective area of over 79 square kilometres (7905 hectares) (Figure 2). The claims are listed in Appendix B.

FIGURE 1: Property Location

FIGURE 2: Mineral Tenure Map



2.0 REGIONAL GEOLOGY

2.1 Physiography and Vegetation

Drainage of the property area is southward via Matapesatakun Creek from Bancroft Lake to Lake St. Joseph, 1,227ft. (374 m) above sea level. Maximum relief is in the order of 115ft. (35m) with the highest elevations on southwest trending drumlins in the southwestern portions of the property. Most of the area is overburden covered with low swamps and boulder tills which probably average less than 20 feet in thickness. Outcrop is more common in the central portion of the property.

2.2 Regional Geology and Economic Mineralization (Jolliffe, 1996)

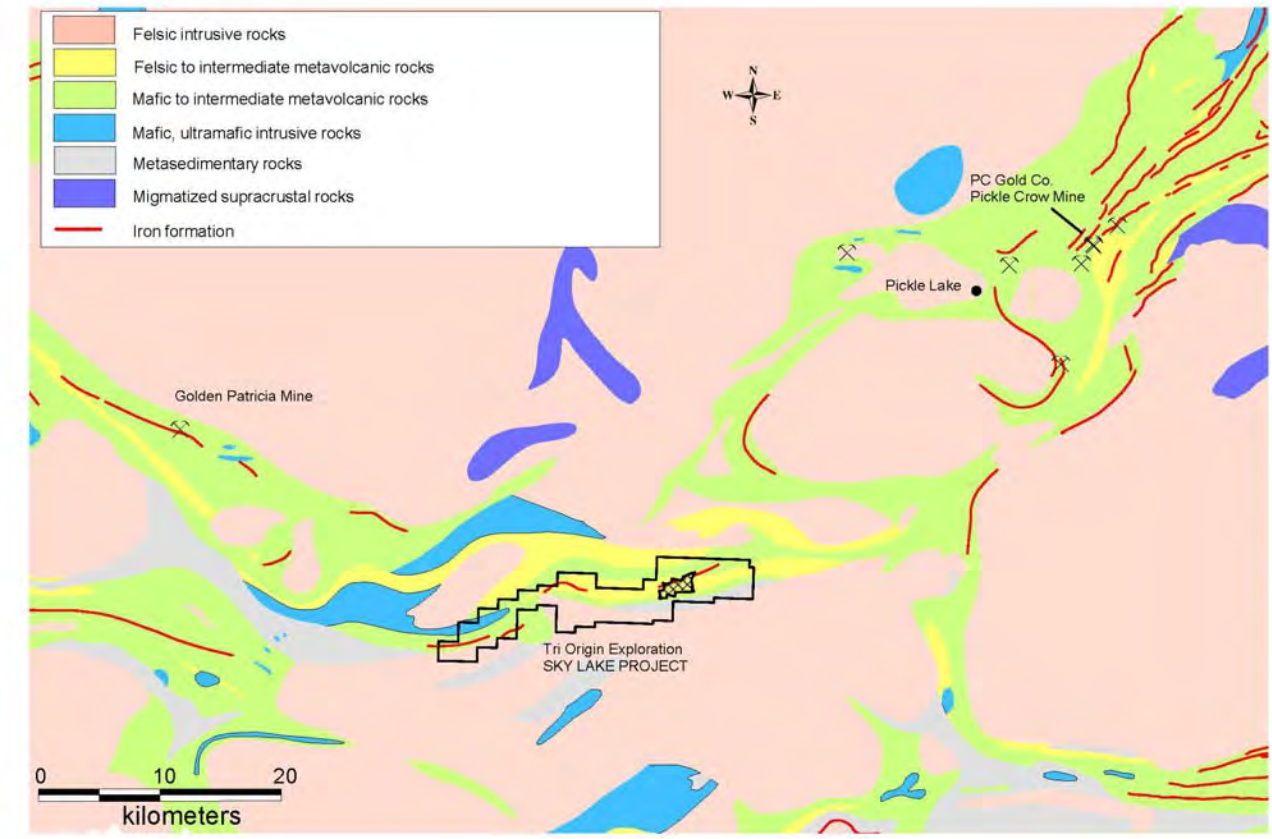
The property is located within the Uchi Subprovince, a part of the Superior Province in the Canadian Shield. The area is characterized by several arcuate, highly deformed and coalescing greenstone belts, consisting of predominantly mafic to intermediate volcanic flows, which have been intruded by numerous granitic to ultramafic intrusive bodies. The metamorphic grade ranges from greenschist to amphibolite facies. The volcanics host subordinate amounts of felsic to mafic pyroclastics, sediments and iron formation. Felsic quartz-feldspar porphyry dykes are commonly found in all lithologies (Figure 3).

Historically, gold production in the Pickle Lake area has been from structurally controlled vein type deposits or sulphide replacement bodies spatially associated with, or contained within, bands of Algoman (chert-magnetite) iron formation. The most important of these were the former producing Pickle Crow and Central Patricia mines (operated from 1935 to 1966 and 1934 to 1951, respectively) which collectively producing 2,068,020 ounces of gold from 4,966,820 tons of ore for an average grade of 0.416 ounces of gold per ton.

The Golden Patricia Mine of Barrick Gold Inc. (approx. 70,000 ounces gold per year) is located about 25 miles west-northwest of the property. The gold mineralization occurs in a quartz vein in a shear zone which cuts through a mafic metavolcanic succession.

Ultramafic rocks host copper-nickel mineralization at the former producing Thierry Mine, seven miles northwest of Pickle Lake, with mined ore and mineral reserves totaling 14,000,000 tons grading 1.6 % copper and 0.2% nickel.

FIGURE 3: Regional Geology



3.0 PROPERTY GEOLOGY

The central portion of the property in proximity to the Koval claims is the area of most abundant outcrop. The area is underlain by a west-southwest trending, vertical to steeply south-dipping assemblage of metavolcanic and metasediments with minor intrusive rocks. The northern 1/3 is dominated by mafic volcanics, mainly massive flows with some pillowed flows and tuffs, along with minor chemical sediments (oxide facies iron formation) and felsic volcanics. A diabase intrusive in the north-central area has been roughly outlined by limited outcrop exposure and previous magnetometer survey. Feldspar porphyry dykes and sills outcrop locally and granitic intrusives have been intersected in drilling. South of the thick northern mafic volcanic unit are

intermittently exposed fine clastic metasediments (mainly argillite, siltstone) and felsic volcanics. The central area is underlain by the 'Central Intermediate-Mafic Volcanic1 (CIMV) assemblage comprising intermediate volcaniclastic rocks), enclosed by mafic volcanics to the north (massive flows and tuffs) and south (massive and pillowed flows with pillow breccia) as well as minor intercalated fine clastic metasediments and felsic volcanics. The intermediate volcanic rocks and the iron formation host several historical significant gold zones on the property. On surface the intermediate volcanics hosting the gold zones are characterized by a biotite-calcite matrix and a scalloped weathering pattern. Primary textures are unclear but possible lapilli have been noted locally.

4.0 PREVIOUS WORK

Previous work completed on the claims optioned from Manicouagan Minerals Inc. involved limited geological mapping which returned grab samples containing 1.03g/t Au in an iron formation and 1.37g/t Au in silicified mafic metavocanics (MDI52O02NE00005) on Claim group 4251408. Several short diamond drill holes as indicated by Ontario assessment files were also completed on the claim groups. Four diamond drill holes were completed on claim group 4251409 highlighted by an intersection of 1.4g/t Au in magnetic ironstone (MDI52O02NE00007) by Bond Gold in 1990.

Previous work on the remainder of the Sky Lake Property involved numerous phases of exploration activity as described below.

The first recorded discovery of gold in the Dempster-Pickle Lake belt was made in 1954 by prospector Ben Ohman near Bancroft Lake (Scratch, 1984) on the property now held by Norcanex Ltd.

During 1953-54 the property was optioned to Hasaga Gold Mines Ltd., who performed geological mapping, trenching and diamond drilling. The diamond drill program consisted of 87 drill holes

combining to a total length of 6365.8 m. The drill program outlined numerous interesting gold intersections.

In 1960, 28 claims were surveyed and patented over the deposit. They are referred to as the Koval claims and were held by Lac Minerals and have since passed to Barrick Gold Corporation. Lac completed line cutting, geological mapping and magnetic and IP geophysical surveys. In 1996, Moss Resources drilled a total of 808.3m in eight BQ diamond drill holes.

During 1969, Newconex Canadian Exploration conducted ground electromagnetic and geological surveys on their "Ed" claim block at the western end of Tri Origin's present-day claim block. They delineated zones of pyrite.

Other companies have carried out exploration work on the ground immediately adjacent to the Koval claims on the east side:

- Union Minerie Exploration and Mining Corporation Ltd. conducted extensive airborne and ground geophysical surveys and 4465 m of diamond drilling in 1971-1972. One of these holes was collared on the Norcanex property, but all the rest of the work was done to the north and east of the claims which are the subject of the present report. There is no record of any samples having been assayed from that hole.

- In 1983-84 Moss Resources Ltd. conducted geological mapping and magnetic, VLF-EM and IP geophysical surveys as well as rock and humus geochemistry. This was followed by a 20 hole, 1522.78 m diamond drill program.

- From July 1 – August 22, 1984 Golden Maverick Resources conducted reconnaissance geological mapping and rock and humus geochemistry. A total of 53 rock samples and 572 humus samples were collected and analyzed for Au, Ag, As, Sb, Mo and Ba. They also carried out limited diamond drilling between 1984 and 1988.

- In September 1988 Bond Gold mapped the area they referred to as the Caley Lake claim block, to the west of the patented Koval claims, and drilled three holes in October of that year. No assay results were reported.

- In November and December of 2009 Tri Origin Exploration contracted Aeroquest to complete 1303.38 line-km of helicopter time domain electromagnetic and magnetics on the Sky Lake property.

- In July 2010 Tri Origin Exploration Ltd. completed a mineral soil and humus survey over sections of the claim group which were determined by interpreting the VTEM data from the Aeroquest survey flown in 2009.

- In the summer of 2011 Tri Origin Exploration Ltd. completed a mineral soil and humus sample survey on two claims optioned from Manicouagan Minerals Inc. A total of 109 humus and 292 mineral samples were collected. Tri Origin also staked additional contiguous claims to the east of the property.

- In the fall of 2011 Tri Origin Exploration Ltd. completed 39.3 line kilometer grid. In October of 2011 a detailed ground geophysical program was completed by Exsics Exploration Limited for Tri Origin Exploration Ltd on the Sky Lake grid. The geophysical survey was comprised of 39.3km of Total Field Magnetics in conjunction with 15.8km of detailed Induced Polarization (IP) survey.

- In July and August of 2012 Tri Origin Exploration Ltd. completed a mineral soil and humus sample survey on portions of the property. A total of 346 humus and 433 mineral samples were collected.

- In November and December of 2012 Tri Origin completed a diamond drill program consisting of 7 diamond drill holes totaling 1,180 meters on selected targets on the Sky Lake Property.

5.0 2015 DETAILED GROUND GEOPHYSICAL SURVEYS

5.1 Line Cutting

Tri Origin Exploration retained Billington Resources of Toronto Ontario to complete the line cutting of three north-south metric lines totaling 4,880 meters for the induced polarization survey on the property.

Line 2400E was an 890m line cut on UTM Nad83 Zone 15 672400mE, It was chained and picketed every 25m. Line 2600E was a 2,070m line cut on UTM Nad83 Zone 15 672600mE, It was chained and picketed every 25m. Line 2900E was a 1920m line cut on UTM Nad83 Zone 15 672900mE stations were obtained using a GPS and pickets were placed every 25m (Figure 4). A list of UTM co-ordinates collected by Billington Resources and Tri Origin Exploration for each surveyed station is supplied in Appendix C. There is a slight variance in the station locations due to GPS accuracy and therefore both sets of data were supplied.

5.2 INDUCED POLARIZATION (IP) SURVEY

The IP survey was carried out by Billington Resources between May 22nd and June 3rd 2015. The survey was completed on the grid lines 2400E, 2600E E and 2900E (Figure 4).

The Induced Polarization constant survey parametres were as follows:

Line spacing	200 and 300 metres
Station spacing	25 metres
Reading Interval	25 metres
IP method	Time domain
IP array	Dipole-dipole
Number of electrodes & spacing	6 stainless steel - 25 metres

Parameters measured	Apparent resistivity in ohms/metre and chargeability in Millivolts/volt

Details of the survey are found in Billington Resources report (Appendix A). Results of the IP survey were presented in three pseudo section plots showing coloured contoured results for chargeability and resistivity (Appendix D). UTM and grid picket labels are supplied on the pseudo sections which will aid in the accuracy of the data location. GPS co-ordinates for pseudo sections for lines 2400E and 2900E were supplied by Billington Resources. This data was collected during the course of the survey. Due to a typo with L2600E UTM co-ordinates for the pseudo section were supplied by Tri Origin Exploration field crew.

6.0 DETAILED GROUND GEOPHYSICAL SURVEY RESULTS

The 2015 detailed ground geophysical program was conducted on three of the Sky Lake Property claims. Upon completion of the survey, Tri Origin geologists interpreted the individual line pseudo sections that accompanied the Billington Resources Logistics report (Appendix A). It was determined that the IP survey was successful in identifying numerous interesting chargeability anomalies. Numerous anomalies were found on lines 2600E and 2900E. The stronger and better defined of these occur on the north end of the lines and appear to be associated with the southern flank of an iron formation. These anomalies appear to be along strike from known mineralization located on the Barrick Patent claims. Several other chargeability anomalies were detected on these lines as well, at the current time there is no explanation for these responses. These targets warrant further investigation. Line 2400E had a strong chargeability response on the north end of the line as well. This anomaly appears to be along strike from chargeability anomalies located to the south west detected by Tri Origin Exploration during a survey completed in 2011. Further work is warranted on this anomaly as well.

7.0 RECOMMENDATIONS AND CONCLUSIONS

The IP survey completed on the three claims highlight several interesting anomalies. It is recommended that more detailed geological mapping and additional geochemical sampling be performed on targets generated by the geophysical surveys. In addition, the targets should be tested by follow-up diamond drilling.

8.0 PERSONNEL

Tri Origin Exploration

Robert Valliant	President Tri Origin Exploration Project Supervisor	Uxbridge, Ontario
Frank Kendle	Senior Geologist Tri Origin Exploration	Queensville, Ontario
Meghan Hewton	Geologist MSc Tri Origin Exploration	Goodwood, Ontario

Billington Resources

Adam Kuprevicius	Project Manager	Toronto, ON
Remis Zabiela	Crew Chief & IP Operator	Toronto, ON
Paul Piascik	Transmitter Operator	Vancouver, BC
Ron Cooper	Field Technician	Toronto, ON
Miguel Da Silva	Field Technician	Montreal, QC

9.0 STATEMENT OF QUALIFICATIONS

I, **Frank Kendle,** of 20648 Leslie St., Queensville, Ontario, L0G 1R0, do hereby certify that:

1. I am a consulting geologist.
2. I graduated with a Bachelor of Science (Geology), from Mount Allison University, in 1988.
3. I have worked as a geologist for a total of 27 years since my graduation from university.
4. I am responsible for the technical report titled “Report on the 2015 Detailed Ground Geophysical Program Sky Lake Property, Pickle Lake, Ontario"
5. My knowledge of the property as described herein was obtained by fieldwork.
6. I have no direct interest, nor do I expect to receive any interest in the mining claims that comprise the Sky Lake Property within the townships of Duffell Lake, Caley Lake and Matapesatakun Bay in the Patricia Mining division.
7. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
8. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

Dated this 09th day of September, 2015.

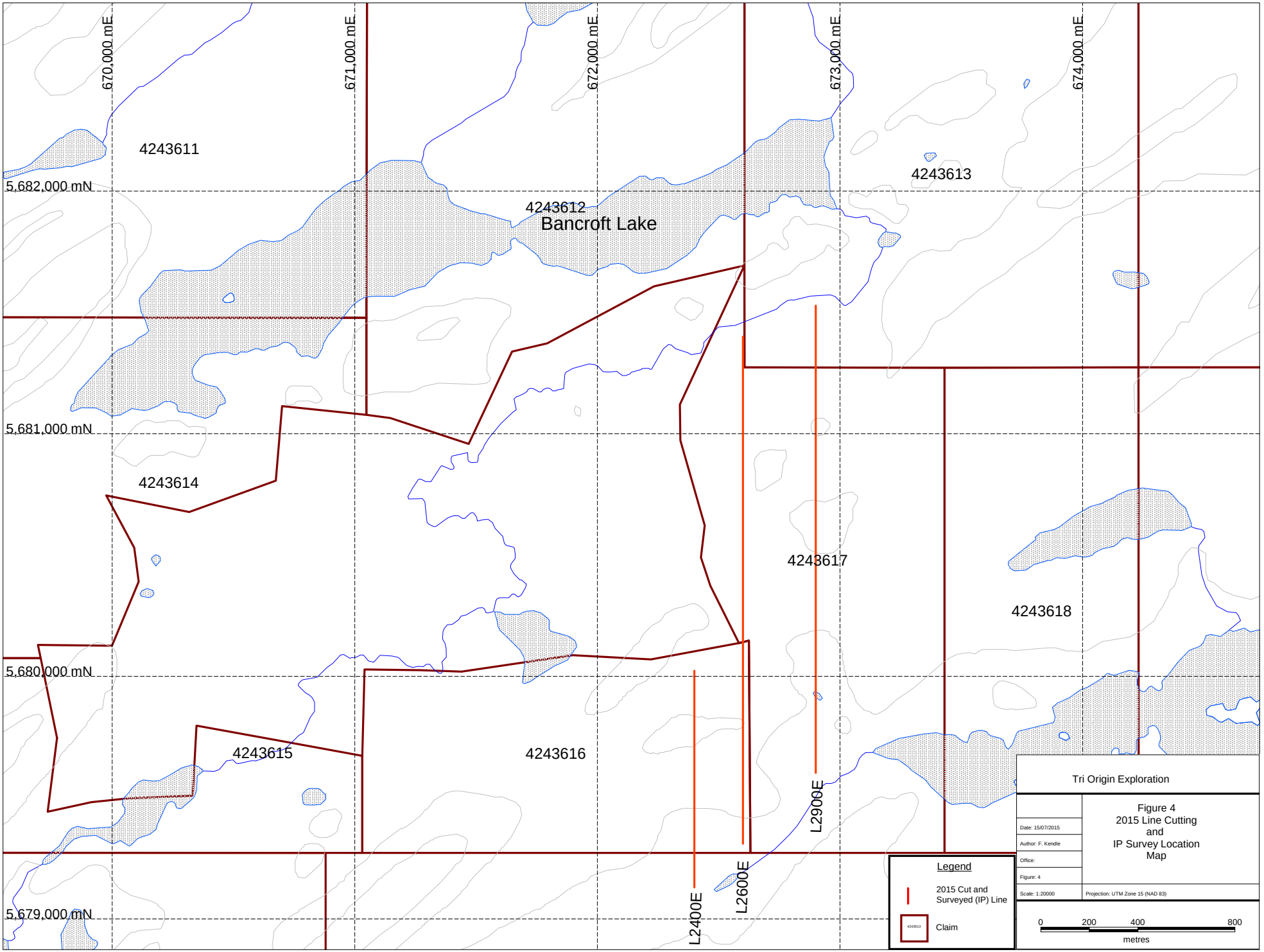
FRANK KENDLE

10.0 REFERENCES

Jolliffe, T.S. 1996. Report on Diamond Drilling, Koval Property, Patricia Mining Division, Northwestern Ontario for Moss Resources, Inc. 90pp. AFRI 52O02NE001.

Scratch, R, 1984. Report on Reconnaissance Geologic Mapping and Humus Sampling of the Golden Maverick Resources Corporation – Bancroft Lake Project currently under option to Kennco Explorations (Canada) Ltd. 87pp. AFRI 52O08SW0019.

FIGURES


670,000 mE
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4243611
4243612
Bancroft Lake
4243613
4243614
4243615
4243616
4243617
4243618
L2400E
L2600E
L2900E
Legend
2015 Cut and Surveyed (IP) Line
Claim
4243613
Tri Origin Exploration
Figure 4
2015 Line Cutting and IP Survey Location Map
Date: 15/07/2015
Author: F. Kendle
Office:
Figure: 4
Scale: 1:20000
Projection: UTM Zone 15 (NAD 83)
0
200
400
800
metres

APPENDIX A

BILLINGTON RESOURCES

2015 WORK PROGRAM REPORT
TRIORIGIN– SKY LAKE IP & LINECUTTING
Date. July 1st 2015

2015 WORK PROGRAM REPORT
TRIORIGIN– SKY LAKE IP & LINECUTTING
Date. July 1st 2015

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RESOURCES

381 St. Clarens Avenue
Toronto ON M6H 3W2
+1(416)836-3938
info@billington.ca
www.billington.ca

PROJECT REPORT
2D-IP Survey at TRIORIGIN'S SKY LAKE Property
Date: July 1st 2015

Client:
Tri Origin Exploration Ltd.
Contact: Robert Valliant, CEO & Director
125 Don Hillock Drive, Unit 18, Aurora, ON L4G 0H8
Phone: 905-727-1779 Fax: 905-727-8779
Email: rvalliant@triorigin.com

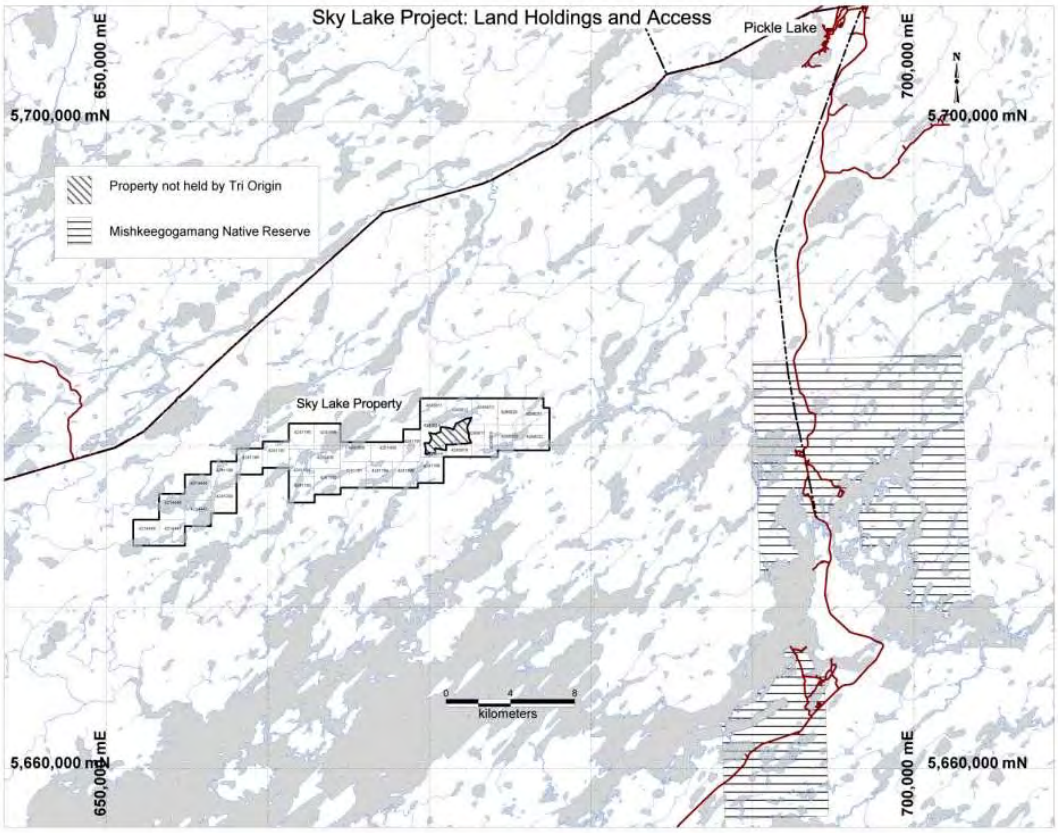
Service Provider:
Billington Resource Group Inc.
Contact: Adam Kuprevicius, President
381 St. Clarens Avenue, Toronto, ON, M6H 3W2
Office. (416) 532-4091
Mobile: (416) 836-3938
Email: adam@billington.ca www.billington.ca

381 St. Clarens Avenue
Toronto ON M6H 3W2
+1(416)836-3938
info@billington.ca
www.billington.ca

1.0 PROJECT LOCATION

The Sky Lake project is located 310 km north of Thunder Bay Ontario, and approximately 30 km southwest of Pickle Lake. The property includes 100% owned claims covering 50 km2 plus 28 km2 with option to acquire majority interest.

Figure 1. Location of the Sky Lake Property



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Toronto ON M6H 3W2
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info@billington.ca
www.billington.ca

2.0 PROGRAM WORK UNDERTAKEN

2.1 GENERALITIES:

Program Dates:	May 22 - June 3
Total Days incl. mob:	13 days
Work Period:	8 days
Mob/Demob:	4 travel days, 1 day camp setup
Number of Lines Surveyed:	3 lines (L2400E - 875m, L2600E - 2000m, L2900E - 1925m)
Lines Cut w/Baseline:	1.7km baseline, 4.8km survey lines

2.2 PERSONNEL:

Project Manager:	Adam Kuprevicius, Toronto ON
Crew Chief & IP Operator:	Remis Zabiela, Toronto ON
Transmitter Operator:	Paul Piascik, Vancouver BC
Field Technicians:	Ron Cooper, Toronto ON
	Miguel Da Salva, Montreal QC

2.3 SURVEY SPECIFICATIONS:

Survey:	Dipole-Dipole, a=25, n=6
Dipole spacing:	25m
Line configuration:	Tx1-Tx2-Pref-P1-P2-P3-P4-P5-P6
Receiver Location:	P3
Line Direction:	L2400E - North
	L2600E - North
	L2900E - South
Grid Details:	L2400E - Stations chained to 25m
	L2600E - Stations chained to 25m
	L2900E - Stations located using GPS

2.4 INSTRUMENTATION & DATA PRESENTATION:

Transmitter:	GDD-TXIII 1800w-2400v-10a
Receiver:	GDD-GRx8-32, 8 channels
Generator:	Honda Eu2000i
Electrodes:	1m-long non-polarizable stainless steel
Software:	Geosoft Montaj 8.0 with IP Extension

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Toronto ON M6H 3W2
+1(416)836-3938
info@billington.ca
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2.5 DAILY PRODUCTION REPORT:

Date	Item	Production	Weather	Notes
May 22	Mobilization	Toronto - Marathon		
May 23	Mobilization	Marathon - Pickle Lake		
May 24	Mobilization	Bush Flight -Camp Setup	Sun	Osnaburgh Air delays flight and camp setup
May 25	Linecutting, IP gear setup	Cut 1.5 km baseline Cut 1km L2400 IP Setup L2400	Sun	No river connection to L2400, gear must be hauled by foot. Decided to chain pickets due to poor GPS readings
May 26	Linecutting, IP	Cut 1.3 km, L2600 IP Setup L2400	Sun	Very difficult linecutting conditions, production limited IP survey limited production with 3 personnel. Continued chaining picket locations
May 27	Linecutting	Cut 0.7km L2600 Cut 0.5 baseline-L2900 Cut 2km L2900	Sun	Focused entire five man crew on linecutting. Used GPS for pickets on L2900.
May 28	IP Survey	300m L2400	Heavy Rain	Heavy rains caused receiver failure and connection issues. Forced early stop. L2400 started at 9125mN due to swamp.
May 29	IP Survey	700m L2400 Gear haul/setup L2600	Rain	Intermittent rain, slower but improved production
May 30	IP Survey	1300m L2600	Light Rain	Light rain, improved productivity, varied terrain
May 31	IP Survey	700m L2600, Gear haul 600m L2900	Sun	Difficult terrain
June 1	IP Survey	1400m L2900	Sun	Normal productivity Camp deconstruction
June 2	Demobilization	Camp - Pickle Lake Pickle - Thunder Bay		
June 3	Demobilization	Thunder Bay - Toronto		

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381 St. Clarens Avenue
Toronto ON M6H 3W2
+1(416)836-3938
info@billington.ca
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2.6 DATA PROCESSING - PROBLEMATIC STATIONS:

LINE	STATION	N	ISSUE	REMARK
L2400E	94+25N 94+27.5N 94+50N	N=6 N=5 N=4	Problematic decay curve	Removed - possible ground contact failure with electrode
L2600E	96+75N	N=4	Problematic decay curve	Removed - possible ground contact failure with electrode
L2600E	97+50N	N=4	Problematic decay curve	Removed - possible ground contact failure with electrode
L2600E	102+50N 102+75N 103+00N 103+25N 103+50N 103+75N	N=1 N=2 N=3 N=4 N=5 N=6	Problematic decay curve	Removed - electrode contact failure. Bog.
L2600E	105+25N 105+37.5N 105+50N 105+62.5N	N=2 N=3 N=2,4 N=3	Problematic decay curve	Removed - possible ground contact failure with electrode
L2600E	107+25N 107+37.5N 107+50N	N=4 N=5 N=6	Problematic decay curve	Removed - possible ground contact failure with electrode. Rocky area
L2900E	801+12.5N 801+25N 801+37.5N 801+50N 801+62.5N 801+75N	N=3 N=4,6 N=3,5 N=4 N=3 N=2	Problematic decay curve	Removed - possible ground contact failure with electrode
L2900E	802+00N	N=2,3,4,5,6	Problematic decay curve	Removed - possible ground contact failure with electrode
L2900E	804+25N	N=1,2,3,4,5,6	Missed reading in field. Did not save.	Surrounding readings verified in field. High resistivity verified.
L2900E	805+50N	N=3	Problematic decay curve	Removed - possible ground contact failure with electrode
L2900E		N=1,2,3,4,5,6	Problematic decay curve	Removed - possible ground contact failure with electrode. Rocky area
L2900E	808+50N	N=3	Problematic decay curve	Removed - possible ground contact failure with electrode

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+1(416)836-3938
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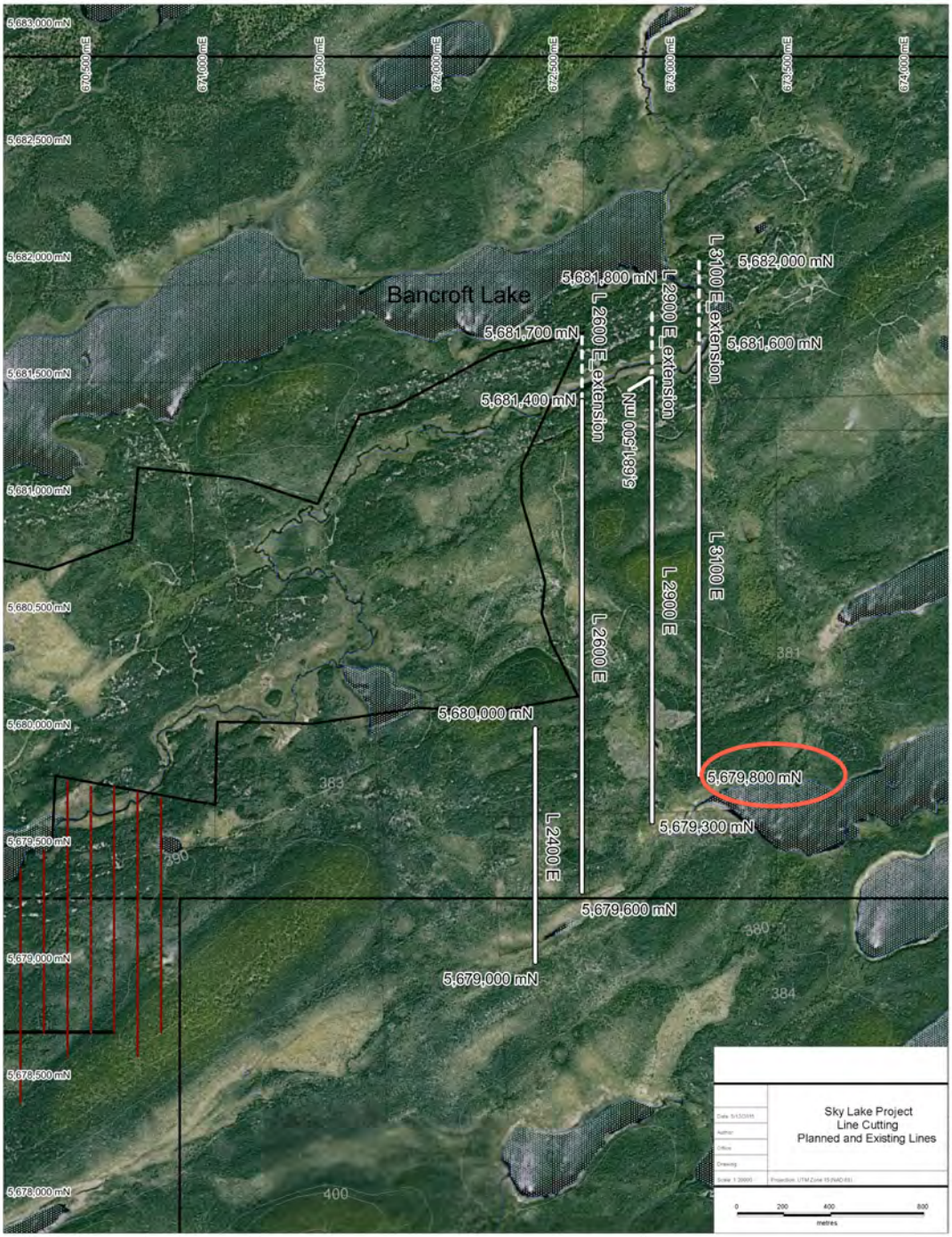
2.7 FIGURE 1: LINE LOCATIONS



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Toronto ON M6H 3W2
+1(416)836-3938
info@billington.ca
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2.8 LINE LOCATIONS: GPS COORDINATES

LINE	STATION	UTM E	UTM N	ALTITUDE	COMMENT	DIRECTION	STATIONS
L2400E	91+25N	672418	5679127	388	START POINT	NORTH	CHAINED
L2400E	10+00N	672401	5680016	394	END POINT	NORTH	CHAINED
L2600E	93+00N	672609	5679315	403	START POINT	NORTH	CHAINED
L2600E	12+25N	672596	5681389	396	END POINT	NORTH	CHAINED
L2900E	15+25N	672900	5681524	385	START POINT	SOUTH	GPS
L2900E	96+00N	672906	5679602	379	END POINT	SOUTH	GPS

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Toronto ON M6H 3W2
+1(416)836-3938
info@billington.ca
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3.0 FINAL BUDGET

ALL FIGURES IN CANADIAN (CAD) CURRENCY

2015 IP Survey with Linecutting at Sky Lake	Days / Units	Cost	Total
Five-man Crew	13.0	$1,900.00	$24,700.00
IP Gear	13.0	$500.00	$6,500.00
Data Compilation	2.0	$1,000.00	$2,000.00
Access Flights	6.0	$500.00	$3,000.00
Camp Setup	1.0	$1,000.00	$1,000.00
Food	1.0	$1,000.00	$1,000.00
Truck	13.0	$150.00	$1,950.00
		SUBTOTAL	$40,150.00
		HST	$5,219.50
		TOTAL	$45,369.50

Canadian Manufacturer of Geophysical Instrumentation since 1976
Sales, Rental, Customer Service, R&D and Field training
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Induced Polarization Receiver

Model GRx8-32

- **User modes available:** Arithmetic, logarithmic, semi-logarithmic, Cole-Cole, IPR-12 and user defined.
- **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:** A 4 Go (or more) Compact Flash memory card is used to store the readings. Each reading includes the full set of parameters characterizing the measurements for all channels; the full wave signal for post-treatment processing. The data is stored in flash type memory not requiring any battery power for safekeeping.

This receiver is a compact and low consumption unit designed for high productivity Resistivity and Induced Polarization surveys. Its high ruggedness allows it to work under any field conditions.

For more information, please contact us at:

Instrumentation GDD Inc.
860 boul. de la Chaudière, Suite 200
Québec (Québec) Canada G1X 4B7

Phone: (418) 877-4249
Phone: 1-877-977-4249 (Toll free in Canada)
Fax: (418) 877-4054

Email: gdd@gdd.ca
www.gdd.ca

Induced Polarization Receiver

Specifications

- Number of channels: 8, expandable to 10, 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 +60oC (-49 to +140oF)
- Humidity range: Waterproof

Features

- 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
  1 line X 32 channels
- Link to a PDA by wireless communication or serial cable
- 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 (109)
- Shock resistant, portable and environmentally sealed
- Integrated internal GPS

Electrical Characteristics

- Ground Resistance: Up to 1.6 MΩ
- Signal waveform: Time domain (ON+, OFF, ON-, OFF)
- Time base: 0.5, 1, 2, 4 and 8 seconds
- Input impedance: 5 GΩ
- Primary voltage: ±10 uV to ±15 V for any channel
- Input: True differential for common-mode rejection in dipole configuration
- Voltage measurement: Resolution 1 µV, Accuracy 0.5%
- 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
- Chargeability Measurement: Resolution 1 µV, Accuracy 0.8%
- Power Source: 12 V rechargeable batteries.
- Standard plug for external battery.

PDA

- Standard – Juniper Allegro Mx PDA computer provided with the GDD receiver with all accessories.
- Display: 3.8” QVGA LCD 320 x 240 pixels
- Operating system: Windows Mobile 6.0 (Mx)

Accessories Included

INSTRUMENTATION GDD INC.

860 boul. de la Chaudière, suite 200
Québec (Québec), Canada G1X 4B7
Phone : +1 (418) 877-4249
Fax : +1 (418) 877-4054
E-Mail : gdd@gdd.ca
WWW.GDD.CA

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 Québec to the day of its return to GDD office. 50 % of the rental fee of the last 4 months of rental will be credited towards the purchase of the rented instrument.

Warranty
All instruments are covered by a one-year warranty. All repair will be done free of charge at our office in Québec, Québec, Canada. Transportation, taxes and customs fee extra, if applicable.

Service
If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repair (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.

Specifications are subject to change without notice
Printed in Québec, Canada, 2013

Canadian Manufacturer of Geophysical Instrumentation since 1976
Sales, Rental, Customer Service, R&D and Field training
WWW.GDD.CA

Induced Polarization Transmitters

TxIII - 1800W Model

1800W-2400V-10A

Its power (1800W) combined with its light weight and a Honda generator makes it particularly suitable for dipole-dipole induced polarization surveys. Link two 1800W IP transmitters together and transmit up to 3600W-4800V-10A. This packable 1800W IP transmitter works from a standard 120V source.

TxII - 3600W Model

3600W-2400V-10A

Its power (3600W) combined with a Honda generator makes it particularly suitable for pole-dipole induced polarization surveys. Link two 3600W IP transmitters together and transmit up to 7,200W-4,800V-10A. This 3600W IP transmitter works from a standard 220-240V source.

Link two GDD IP 1800W or 3600W transmitters together to double power.

Protection against short circuits even at zero (0) ohm
Output voltage range: 150V – 2400V / 14 steps
Displays electrode contact, transmitting power and current

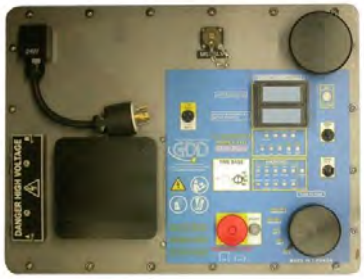
GDD 1800W or 3600W Induced Polarization (IP) transmitters are well adapted to rocky environments where a high output voltage of up to 2400V is needed. Moreover, in highly conductive overburden, the highly efficient GDD transmitter is able to send current up to 10 A. By using this IP transmitter, you obtain fast and high-quality IP readings even in the most difficult conditions.

Manufactured in Canada by Instrumentation GDD inc.

Control Panels

← TxIII - 1800W

TxII - 3600W →



SPECIFICATIONS

TxIII-1800W

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

TxII-3600W

- Size: 20 cm x 40 cm x 27 cm
- Weight: approximately 32 kg
- Operating temperature: -40 °C to 65 °C

COMPONENTS INCLUDED

TxIII-1800W

- Tx built in a Pelican transportation box
- Instruction manual
- Blue carrying case
- Yellow Master-Slave cable (optional)

TxII-3600W

- Tx built in a Pelican transportation box
- 20A power cable extension
- 20/30A cable adaptor
- Instruction manual
- Blue carrying case
- Yellow Master-Slave cable (optional)

ELECTRICAL CHARACTERISTICS

- Time base : 2 seconds ON, 2 seconds OFF /
  0.5, 1, 2, 4 sec. / 1, 2, 4, 8 sec. / DC
- Output current : 0.030 to 10 A (normal operation)
  0.000 to 10 A (with cancel open loop)
- Output voltage : 150 to 2400V / 14 steps
- Ability to link two transmitters together to double power

←Link together two 3600W-2400V IP transmitters and transmit up to 7200W-4800V.
Link together two 1800W-2400V IP transmitters and transmit up to 3600W-4800V.

DISPLAYS

- Output current, 0.001 A resolution
- Output power
- Ground resistance (when the Tx is turned off)

CONTROLS

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

POWER SOURCE

TxIII-1800W

- Standard 120V / 60 Hz Honda regulated generator

TxII-3600W

- Standard 220-240V / 50-60 Hz Honda regulated generator

PURCHASE
Can be shipped anywhere in the world.

RENTAL-available in Canada and USA only
Starts on the day the instrument leaves our office in Quebec to the day of its return to our office. 50% of the rental fee up to a maximum of 4 months can be credited towards the purchase of the rented instrument.

WARRANTY
GDD's instruments are covered by a one-year warranty. Repair to be done free of charge at our office in Quebec, Qc, 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, insurance, duties and taxes are extra if applicable.

PAYMENT
Visa, Mastercard, American Express, checks or money transfer.

INSTRUMENTATION GDD INC.

860, boul. de la Chaudière, suite 200
Québec (Québec), Canada, G1X 4B7
Phone: +1 (418) 877-4249
Fax: +1 (418) 877-4054
Web Site: www.gdd.ca
Email: gdd@gdd.ca

Specifications subject to change without notice.

Printed in Quebec, Canada, 2012

APPENDIX B

LIST OF CLAIMS

APPENDIX B – LIST OF CLAIMS

Claim Number	Township/Area	Ownership
4214444	Duffell Lake	Tri Origin Exploration Ltd.
4214445	Duffell Lake	Tri Origin Exploration Ltd.
4214446	Duffell Lake	Tri Origin Exploration Ltd.
4214447	Duffell Lake	Tri Origin Exploration Ltd.
4214448	Duffell Lake	Tri Origin Exploration Ltd.
4241191	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241192	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241193	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241194	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241195	Caley Lake	Tri Origin Exploration Ltd.
4241196	Caley Lake	Tri Origin Exploration Ltd.
4241197	Caley Lake	Tri Origin Exploration Ltd.
4241198	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241199	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241200	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241796	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241797	Caley Lake	Tri Origin Exploration Ltd.
4241798	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241799	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241800	Matapesatakun Bay	Tri Origin Exploration Ltd.
4243611	Caley Lake	Kitrinor Metals Inc.
4243612	Caley Lake	Kitrinor Metals Inc.
4243613	Caley Lake	Kitrinor Metals Inc.
4243614	Caley Lake	Kitrinor Metals Inc.
4243615	Matapesatakun Bay	Kitrinor Metals Inc.
4243616	Caley Lake	Kitrinor Metals Inc.
4243617	Caley Lake	Kitrinor Metals Inc.
4243618	Matapesatakun Bay	Kitrinor Metals Inc.
4251408	Matapesatakun Bay	Manicouagan Minerals Inc.
4251409	Matapesatakun Bay	Manicouagan Minerals Inc.
4266029	Little Ochig Lake	Tri Origin Exploration Ltd.
4266030	Little Ochig Lake	Tri Origin Exploration Ltd.
4266031	Little Ochig Lake	Tri Origin Exploration Ltd.
4266032	Little Ochig Lake	Tri Origin Exploration Ltd.

APPENDIX C

Field Station UTM Co-ordinates

Appendix C
Surveyed Station
UTM Co-ordinates

Station Identification	Datum	UTM_East	UTM_North	Altitude
Line 2400E				
L2400E 9000N	NAD 83 Zone 15	672400	5679000	388 m
L2400E 9125N	NAD 83 Zone 15	672418	5679127	388 m
L2400E 9150N	NAD 83 Zone 15	672417	5679154	380 m
L2400E 9175N	NAD 83 Zone 15	672415	5679182	386 m
L2400E 9200N	NAD 83 Zone 15	672418	5679205	385 m
L2400E 9225N	NAD 83 Zone 15	672415	5679231	385 m
L2400E 9250N	NAD 83 Zone 15	672415	5679257	387 m
L2400E 9275N	NAD 83 Zone 15	672409	5679283	386 m
L2400E 9300N	NAD 83 Zone 15	672411	5679311	387 m
L2400E 9325N	NAD 83 Zone 15	672409	5679338	387 m
L2400N 9350N	NAD 83 Zone 15	672406	5679365	392 m
L2400E 9375N	NAD 83 Zone 15	672404	5679391	387 m
L2400 9400	NAD 83 Zone 15	672403	5679420	388 m
L2400 9425	NAD 83 Zone 15	672409	5679440	383 m
L2400 9450	NAD 83 Zone 15	672408	5679471	385 m
L2400 9475	NAD 83 Zone 15	672406	5679486	382 m
L2400 9500	NAD 83 Zone 15	672403	5679515	389 m
L2400 9525	NAD 83 Zone 15	672400	5679542	385 m
L2400 9550	NAD 83 Zone 15	672402	5679570	386 m
L2400 9575	NAD 83 Zone 15	672403	5679587	390 m
L2400 9600	NAD 83 Zone 15	672399	5679616	390 m
L2400 9625	NAD 83 Zone 15	672398	5679640	394 m
L2400 9650	NAD 83 Zone 15	672403	5679664	393 m
L2400 9675	NAD 83 Zone 15	672401	5679688	396 m
L2400 9700	NAD 83 Zone 15	672402	5679712	401 m
L2400 9725	NAD 83 Zone 15	672403	5679740	403 m
L2400 9750	NAD 83 Zone 15	672396	5679768	403 m
L2400 9775	NAD 83 Zone 15	672401	5679797	404 m
L2400 9800	NAD 83 Zone 15	672406	5679814	403 m
L2400 9825	NAD 83 Zone 15	672404	5679845	404 m
L2400 9850	NAD 83 Zone 15	672402	5679868	403 m
L2400 9875	NAD 83 Zone 15	672400	5679894	398 m
L2400 9900	NAD 83 Zone 15	672390	5679922	396 m
L2400 9925	NAD 83 Zone 15	672390	5679946	395 m
L2400 9950	NAD 83 Zone 15	672395	5679972	395 m
L2400 9975	NAD 83 Zone 15	672397	5679994	395 m
L2400 0000N	NAD 83 Zone 15	672400	5680000	388 m
L2400E 0000N	NAD 83 Zone 15	672400	5680000	388 m
L2400 1000	NAD 83 Zone 15	672401	5680016	394 m

Station Identification	Datum	UTM_East	UTM_North	Altitude
Line 2600E				
L2600E 9300N	NAD 83 Zone 15	672609	5679315	403 m
L2600 9325	NAD 83 Zone 15	672610	5679336	383 m
L2600 9350	NAD 83 Zone 15	672608	5679362	385 m
L2600 9375	NAD 83 Zone 15	672597	5679388	387 m
L2600 9400	NAD 83 Zone 15	672605	5679404	388 m
L2600 9425	NAD 83 Zone 15	672599	5679436	390 m
L2600 9450	NAD 83 Zone 15	672598	5679456	392 m
L26 9475	NAD 83 Zone 15	672602	5679485	392 m
L26 9500	NAD 83 Zone 15	672603	5679508	391 m
L26 9525	NAD 83 Zone 15	672603	5679536	391 m
L26 9550	NAD 83 Zone 15	672605	5679566	388 m
L26 9575	NAD 83 Zone 15	672605	5679593	388 m
L26 9600	NAD 83 Zone 15	672607	5679616	388 m
L26 9625	NAD 83 Zone 15	672603	5679639	388 m
L26 9650	NAD 83 Zone 15	672601	5679668	388 m
L26 9675	NAD 83 Zone 15	672604	5679693	392 m
L26 9700	NAD 83 Zone 15	672607	5679718	393 m
L26 9725	NAD 83 Zone 15	672601	5679750	395 m
L26 9750	NAD 83 Zone 15	672601	5679773	400 m
L26 9800	NAD 83 Zone 15	672599	5679796	399 m
L26 9825	NAD 83 Zone 15	672600	5679836	401 m
L26 9850	NAD 83 Zone 15	672602	5679850	398 m
L26 9875	NAD 83 Zone 15	672603	5679883	401 m
L26 9900	NAD 83 Zone 15	672606	5679900	399 m
L26 9925	NAD 83 Zone 15	672603	5679932	398 m
L26 9950	NAD 83 Zone 15	672601	5679960	395 m
L26 9975	NAD 83 Zone 15	672599	5679985	394 m
L26 10001	NAD 83 Zone 15	672600	5680010	393 m
L26 10251	NAD 83 Zone 15	672595	5680040	395 m
L26 10502	NAD 83 Zone 15	672600	5680061	394 m
L26 10751	NAD 83 Zone 15	672599	5680085	394 m
L26 11001	NAD 83 Zone 15	672609	5680114	392 m
L26 0125	NAD 83 Zone 15	672604	5680137	389 m
L26 0150	NAD 83 Zone 15	672600	5680163	388 m
L26 0175	NAD 83 Zone 15	672603	5680189	386 m
L26 0200	NAD 83 Zone 15	672603	5680213	390 m
L26 0225	NAD 83 Zone 15	672604	5680248	392 m
L26 0250	NAD 83 Zone 15	672602	5680266	388 m
L2600 0275	NAD 83 Zone 15	672602	5680296	388 m
L26 0300	NAD 83 Zone 15	672601	5680322	388 m

Appendix C
Surveyed Station
UTM Co-ordinates

Station Identification	Datum	UTM_East	UTM_North	Altitude
L26 0325	NAD 83 Zone 15	672594	5680355	390 m
L26 0350	NAD 83 Zone 15	672597	5680378	391 m
L26 0375	NAD 83 Zone 15	672597	5680412	389 m
L26 0400	NAD 83 Zone 15	672598	5680442	392 m
L26 0425	NAD 83 Zone 15	672600	5680475	386 m
L26 0450	NAD 83 Zone 15	672601	5680511	388 m
L26 0475	NAD 83 Zone 15	672598	5680552	387 m
L26 0525	NAD 83 Zone 15	672597	5680596	386 m
L26 0550	NAD 83 Zone 15	672593	5680629	387 m
L26 0575	NAD 83 Zone 15	672589	5680666	389 m
L26 0600	NAD 83 Zone 15	672586	5680706	386 m
L26 0625	NAD 83 Zone 15	672592	5680743	396 m
L26 0650	NAD 83 Zone 15	672587	5680767	395 m
L26 0675	NAD 83 Zone 15	672589	5680787	396 m
L26 0700	NAD 83 Zone 15	672583	5680825	402 m
L26 0725	NAD 83 Zone 15	672588	5680850	397 m
L26 0750	NAD 83 Zone 15	672588	5680879	385 m
L26 0775	NAD 83 Zone 15	672586	5680903	395 m
L26 0800	NAD 83 Zone 15	672587	5680933	394 m
L26 0825	NAD 83 Zone 15	672585	5680963	390 m
L26 0850	NAD 83 Zone 15	672585	5680991	392 m
L26 0875	NAD 83 Zone 15	672580	5681013	394 m
L26 0900	NAD 83 Zone 15	672590	5681047	394 m
L26 0925	NAD 83 Zone 15	672588	5681067	393 m
L26 0950	NAD 83 Zone 15	672591	5681102	399 m
L26 0975	NAD 83 Zone 15	672588	5681126	397 m
L26 1000	NAD 83 Zone 15	672590	5681152	398 m
L26 1025	NAD 83 Zone 15	672592	5681182	399 m
L26 10501	NAD 83 Zone 15	672600	5681201	395 m
L26 1075	NAD 83 Zone 15	672588	5681228	396 m
L26 1100	NAD 83 Zone 15	672592	5681257	393 m
L26 1125	NAD 83 Zone 15	672598	5681290	394 m
L26 1150	NAD 83 Zone 15	672593	5681314	392 m
L26 1175	NAD 83 Zone 15	672596	5681344	399 m
L26 1200	NAD 83 Zone 15	672595	5681371	394 m
L26 1225	NAD 83 Zone 15	672596	5681389	396 m

Station Identification	Datum	UTM_East	UTM_North	Altitude
Line 2900E				
L29 9600	NAD 83 Zone 15	672906	5679602	379 m
L29 9625N	NAD 83 Zone 15	672901	5679631	380 m
L29 9650N	NAD 83 Zone 15	672901	5679654	382 m
L29 9675N	NAD 83 Zone 15	672901	5679675	382 m
L29 9700N	NAD 83 Zone 15	672899	5679701	381 m
L29 9725N	NAD 83 Zone 15	672901	5679725	382 m
L29 9750N	NAD 83 Zone 15	672904	5679751	382 m
L29 9775N	NAD 83 Zone 15	672908	5679776	383 m
L29 9800N	NAD 83 Zone 15	672910	5679801	381 m
L29 9825N	NAD 83 Zone 15	672910	5679828	382 m
L29 9850N	NAD 83 Zone 15	672913	5679851	380 m
L29 9875N	NAD 83 Zone 15	672904	5679875	380 m
L29 9900N	NAD 83 Zone 15	672899	5679901	380 m
L29 9925N	NAD 83 Zone 15	672895	5679925	380 m
L29 9950N	NAD 83 Zone 15	672892	5679951	380 m
L29 9975N	NAD 83 Zone 15	672891	5679975	382 m
L29 0000N	NAD 83 Zone 15	672894	5680000	381 m
L29 0025N	NAD 83 Zone 15	672894	5680024	379 m
L29 0050N	NAD 83 Zone 15	672892	5680049	380 m
L29 0075N	NAD 83 Zone 15	672891	5680075	379 m
L29 0100N	NAD 83 Zone 15	672896	5680100	380 m
L29 0125N	NAD 83 Zone 15	672895	5680125	379 m
L29 0150N	NAD 83 Zone 15	672901	5680152	381 m
L29 0175N	NAD 83 Zone 15	672895	5680176	382 m
L29 0200N	NAD 83 Zone 15	672895	5680200	383 m
L29 0225N	NAD 83 Zone 15	672892	5680225	384 m
L29 0250N	NAD 83 Zone 15	672890	5680250	382 m
L29 0275N	NAD 83 Zone 15	672887	5680275	382 m
L29 0300N	NAD 83 Zone 15	672889	5680300	381 m
L29 0325N	NAD 83 Zone 15	672888	5680325	381 m
L29 0350N	NAD 83 Zone 15	672890	5680350	382 m
L29 0375N	NAD 83 Zone 15	672888	5680376	383 m
L29 0400N	NAD 83 Zone 15	672882	5680400	382 m
L29 0425N	NAD 83 Zone 15	672884	5680425	382 m
L29 0450N	NAD 83 Zone 15	672880	5680451	384 m
L29 0475N	NAD 83 Zone 15	672875	5680475	388 m
L29 0500N	NAD 83 Zone 15	672875	5680500	391 m
L29 0525N	NAD 83 Zone 15	672867	5680525	393 m
L29 0550N	NAD 83 Zone 15	672866	5680549	395 m

Appendix C
Surveyed Station
UTM Co-ordinates

Station Identification	Datum	UTM_East	UTM_North	Altitude
L29 0575N	NAD 83 Zone 15	672874	5680575	394 m
L29 0600N	NAD 83 Zone 15	672873	5680600	394 m
L29 0625N	NAD 83 Zone 15	672881	5680626	396 m
L29 0650N	NAD 83 Zone 15	672885	5680650	397 m
L29 0675N	NAD 83 Zone 15	672896	5680675	396 m
L29 0700N	NAD 83 Zone 15	672879	5680701	399 m
L29 0725N	NAD 83 Zone 15	672888	5680724	398 m
L29 0750N	NAD 83 Zone 15	672881	5680750	397 m
L29 0775N	NAD 83 Zone 15	672885	5680775	398 m
L29 0800N	NAD 83 Zone 15	672886	5680801	396 m
L29 0825N	NAD 83 Zone 15	672882	5680825	394 m
L29 0850N	NAD 83 Zone 15	672882	5680850	392 m
L29 0875N	NAD 83 Zone 15	672877	5680875	385 m
L29 0900N	NAD 83 Zone 15	672885	5680900	388 m
L29 0925N	NAD 83 Zone 15	672887	5680925	389 m
L29 0950N	NAD 83 Zone 15	672894	5680950	391 m
L29 0975N	NAD 83 Zone 15	672898	5680975	393 m
L29 1000N	NAD 83 Zone 15	672895	5680999	394 m
L29 1025N	NAD 83 Zone 15	672898	5681025	395 m
L29 1050N	NAD 83 Zone 15	672897	5681051	395 m
L29 1075N	NAD 83 Zone 15	672893	5681074	392 m
L29 1100N	NAD 83 Zone 15	672893	5681100	390 m
L29 1125N	NAD 83 Zone 15	672888	5681125	390 m
L29 1150N	NAD 83 Zone 15	672890	5681150	388 m
L29 1175N	NAD 83 Zone 15	672889	5681175	387 m
L29 1200N	NAD 83 Zone 15	672891	5681201	386 m
L29 1225N	NAD 83 Zone 15	672883	5681229	390 m
L29 1250	NAD 83 Zone 15	672878	5681253	392 m
L29 1275	NAD 83 Zone 15	672881	5681275	387 m
L29 1300	NAD 83 Zone 15	672883	5681308	387 m
L29 1325	NAD 83 Zone 15	672886	5681329	393 m
L29 1350	NAD 83 Zone 15	672890	5681356	382 m
L29 1375	NAD 83 Zone 15	672893	5681377	389 m
L29 1400	NAD 83 Zone 15	672894	5681405	393 m
L29 1425	NAD 83 Zone 15	672889	5681433	393 m
L29 1450	NAD 83 Zone 15	672911	5681458	400 m
L29 1475	NAD 83 Zone 15	672910	5681481	394 m
L29 1500	NAD 83 Zone 15	672903	5681502	387 m
L29 1525	NAD 83 Zone 15	672900	5681524	385 m

ident	Line	Station	Year_Cut	Latitude	Longitude	y_proj	x_proj	altitude
Line 2400E								
L2400-9125	2400E	9125N	2015	51.23745	-90.5301	5679129	672417.5	382.97
L2400-9150	2400E	9150N	2015	51.23772	-90.53	5679159	672417.9	383.93
L2400-9175	2400E	9175N	2015	51.23794	-90.5301	5679184	672415.2	383.69
L2400-9200	2400E	9200N	2015	51.23825	-90.53	5679218	672418.3	384.89
L2400-9225	2400E	9225N	2015	51.23847	-90.53	5679243	672416.3	384.17
L2400-9250	2400E	9250N	2015	51.23866	-90.53	5679264	672414.5	384.17
L2400-9275	2400E	9275N	2015	51.23888	-90.53	5679288	672414.1	384.89
L2400-9300	2400E	9300N	2015	51.23909	-90.53	5679312	672411.7	384.89
L2400-9325	2400E	9325N	2015	51.23932	-90.5301	5679337	672408.8	384.89
L2400-9350	2400E	9350N	2015	51.23957	-90.5301	5679365	672406.5	388.26
L2400-9375	2400E	9375N	2015	51.23978	-90.5301	5679388	672404.2	387.77
L2400-9400	2400E	9400N	2015	51.23998	-90.5301	5679411	672405.9	388.26
L2400-9425	2400E	9425N	2015	51.24028	-90.53	5679444	672408.2	387.53
L2400-9450	2400E	9450N	2015	51.2405	-90.53	5679469	672409.6	388.98
L2400-9475	2400E	9475N	2015	51.24075	-90.53	5679496	672411	388.26
L2400-9500	2400E	9500N	2015	51.24094	-90.5301	5679518	672403.6	388.5
L2400-9525	2400E	9525N	2015	51.24119	-90.5301	5679546	672403	389.94
L2400-9550	2400E	9550N	2015	51.24141	-90.5301	5679569	672399.7	390.66
Baseline2400	2400E	Baseline2400	2015	51.24161	-90.5301	5679591	672401	386.33
L2400-9575	2400E	9575N	2015	51.24167	-90.5301	5679599	672395.4	393.06
L2400-9600	2400E	9600N	2015	51.24191	-90.5301	5679625	672397.6	393.54
L2400-9625	2400E	9625N	2015	51.24213	-90.5301	5679649	672399.7	394.5
L2400-9650	2400E	9650N	2015	51.24232	-90.53	5679671	672402.7	396.67
L2400-9675	2400E	9675N	2015	51.24255	-90.5301	5679697	672397.2	397.39
L2400-9700	2400E	9700N	2015	51.24278	-90.5301	5679722	672395.8	400.51
L2400-9725	2400E	9725N	2015	51.243	-90.53	5679746	672398.4	402.19
L2400-9750	2400E	9750N	2015	51.24323	-90.53	5679772	672398.2	400.03
L2400-9775	2400E	9775N	2015	51.24344	-90.53	5679796	672400.3	399.07
L2400-9800	2400E	9800N	2015	51.24364	-90.5299	5679818	672402.9	400.99
L2400-9825	2400E	9825N	2015	51.24388	-90.5299	5679845	672401.4	400.27
L2400-9850	2400E	9850N	2015	51.2441	-90.53	5679870	672398.7	399.07
L2400-9875	2400E	9875N	2015	51.2443	-90.53	5679892	672394.2	396.91
L2400-9900	2400E	9900N	2015	51.24457	-90.53	5679921	672394.8	391.14
L2400-9925	2400E	9925N	2015	51.24478	-90.53	5679944	672395.6	391.14
L2400-9950	2400E	9950N	2015	51.24502	-90.53	5679971	672393.6	392.1
L2400-9975	2400E	9975N	2015	51.24523	-90.5299	5679995	672396.2	395.71
L2400-1000	2400E	1000N	2015	51.24548	-90.5299	5680023	672398.7	390.18

ident	Line	Station	Year_Cut	Latitude	Longitude	y_proj	x_proj	altitude
Line 2600E								
9375	2600E	9375N	2015	51.23972	-90.5272	5679389	672604.8	389.94
9400	2600E	9400N	2015	51.23996	-90.5273	5679415	672603.4	391.62
9425	2600E	9425N	2015	51.24017	-90.5272	5679438	672603.4	390.66
9450	2600E	9450N	2015	51.24041	-90.5272	5679465	672604.3	390.66
9475	2600E	9475N	2015	51.24063	-90.5272	5679489	672604.5	390.18
9500	2600E	9500N	2015	51.24088	-90.5272	5679517	672602.6	390.18
9525	2600E	9525N	2015	51.24109	-90.5272	5679540	672604.9	388.01
9550	2600E	9550N	2015	51.24134	-90.5272	5679568	672604.1	388.26
9575	2600E	9575N	2015	51.24156	-90.5271	5679594	672605.5	388.5
9600	2600E	9600N	2015	51.24179	-90.5271	5679619	672605.5	388.01
9625	2600E	9625N	2015	51.24204	-90.5271	5679646	672605.7	387.05
9650	2600E	9650N	2015	51.24225	-90.5271	5679670	672603.2	390.42
9675N	2600E	9675N	2015	51.2425	-90.5271	5679696	672605.5	387.534
9700N	2600E	9700N	2015	51.2428	-90.5271	5679727	672603.4	388.015
9725N	2600E	9725N	2015	51.243	-90.5271	5679752	672601.9	391.62
9750N	2600E	9750N	2015	51.2432	-90.5271	5679776	672601.5	390.418
9775N	2600E	9775N	2015	51.2434	-90.5271	5679801	672604.6	381.286
9800N	2600E	9800N	2015	51.2437	-90.5271	5679832	672603.2	378.882
9825N	2600E	9825N	2015	51.2439	-90.527	5679856	672604.5	379.123
9850N	2600E	9850N	2015	51.2442	-90.527	5679887	672606.3	385.131
9875N	2600E	9875N	2015	51.2443	-90.527	5679901	672605.8	382.007
9900N	2600E	9900N	2015	51.2446	-90.527	5679933	672601.7	387.294
9925N	2600E	9925N	2015	51.2449	-90.5271	5679963	672597.7	382.728
9950N	2600E	9950N	2015	51.2451	-90.5271	5679987	672596.4	381.286
9975N	2600E	9975N	2015	51.2453	-90.5271	5680013	672594.6	378.161
1000N	2600E	1000N	2015	51.2456	-90.5271	5680043	672595.7	388.015
1025N	2600E	1025N	2015	51.2458	-90.527	5680069	672597.5	387.534
1050N	2600E	1050N	2015	51.246	-90.527	5680084	672600.9	383.449
1075N	2600E	1075N	2015	51.2463	-90.5269	5680116	672602	389.697
0100N	2600E	0100N	2015	51.2465	-90.5269	5680142	672601.9	389.217
0125N	2600E	0125N	2015	51.2467	-90.5269	5680165	672601.4	390.658
0150N	2600E	0150N	2015	51.2469	-90.5269	5680192	672600.8	388.736
0175N	2600E	0175N	2015	51.2472	-90.5269	5680218	672603.5	388.015
0200N	2600E	0200N	2015	51.2474	-90.5269	5680242	672604.1	390.899
0225N	2600E	0225N	2015	51.2476	-90.5268	5680268	672604.8	393.783
0250N	2600E	0250N	2015	51.2478	-90.5268	5680291	672604.6	387.294
0275N	2600E	0275N	2015	51.2481	-90.5269	5680316	672601.4	389.217
0300N	2600E	0300N	2015	51.2483	-90.5269	5680347	672596.8	389.938
0325N	2600E	0325N	2015	51.2487	-90.5268	5680383	672601.3	385.371
0350N	2600E	0350N	2015	51.2489	-90.5268	5680412	672599.6	383.929
0375N	2600E	0375N	2015	51.2491	-90.5268	5680435	672598.9	383.929
0400N	2600E	0400N	2015	51.2494	-90.5268	5680463	672600.2	382.487

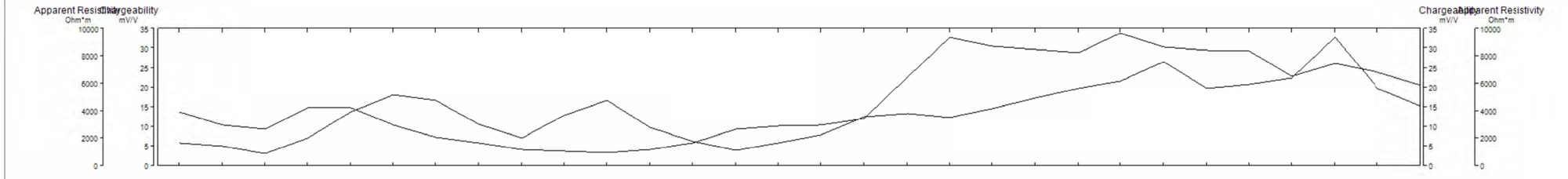
ident	Line	Station	Year_Cut	Latitude	Longitude	y_proj	x_proj	altitude
0425N	2600E	0425N	2015	51.2496	-90.5268	5680491	672600.9	384.41
0450N	2600E	0450N	2015	51.2499	-90.5268	5680516	672601.9	382.728
0475N	2600E	0475N	2015	51.2501	-90.5268	5680546	672598.7	382.968
0500N	2600E	0500N	2015	51.2503	-90.5268	5680568	672597.2	383.689
0525N	2600E	0525N	2015	51.2506	-90.5268	5680593	672598.3	384.41
0550N	2600E	0550N	2015	51.2509	-90.5268	5680628	672593.5	382.968
575	2600E	0575N	2015	51.2512	-90.5268	5680665	672590.4	384.891
0600N	2600E	0600N	2015	51.2516	-90.5268	5680704	672589.8	382.968
0625N	2600E	0625N	2015	51.2518	-90.5268	5680734	672589.2	379.363
0650N	2600E	0650N	2015	51.2521	-90.5268	5680765	672589.7	381.766
0675N	2600E	0675N	2015	51.2523	-90.5267	5680791	672594.4	387.054
0700N	2600E	0700N	2015	51.2527	-90.5268	5680827	672585.5	390.658
0725N	2600E	0725N	2015	51.2529	-90.5268	5680856	672588.6	387.054
0750N	2600E	0750N	2015	51.2531	-90.5268	5680882	672586.1	382.247
0775N	2600E	0775N	2015	51.2534	-90.5268	5680911	672588.1	372.153
0800N	2600E	0800N	2015	51.25362	-90.5268	5680935	672585.2	382.727783
0825N	2600E	0825N	2015	51.25388	-90.5268	5680964	672584.2	386.332642
0850N	2600E	0850N	2015	51.25415	-90.5268	5680993	672583.5	387.293945
0875N	2600E	0875N	2015	51.25436	-90.5268	5681018	672584.5	384.890625
0900N	2600E	0900N	2015	51.25462	-90.5267	5681046	672587.2	381.766357
0925N	2600E	0925N	2015	51.25489	-90.5266	5681076	672591.3	385.371338
0950N	2600E	0950N	2015	51.25514	-90.5266	5681105	672589.8	388.976196
0975N	2600E	0975N	2015	51.25536	-90.5266	5681129	672590.2	385.851929
1000N	2600E	1000N	2015	51.2556	-90.5266	5681156	672590.4	385.130981
1025N	2600E	1025N	2015	51.25586	-90.5266	5681184	672591.7	385.611572
L-2600E 1050N	2600E	1050N	2015	51.25601	-90.5267	5681201	672584.6	382.24707
1075N	2600E	1075N	2015	51.25627	-90.5266	5681230	672590.1	389.697144
1100N	2600E	1100N	2015	51.25646	-90.5265	5681251	672592.9	388.014893
1125N	2600E	1125N	2015	51.25667	-90.5265	5681275	672594.3	387.53418
1150N	2600E	1150N	2015	51.25692	-90.5265	5681302	672592.2	385.130981
1175N	2600E	1175N	2015	51.25715	-90.5264	5681328	672598.4	387.53418
1200N	2600E	1200N	2015	51.25744	-90.5264	5681361	672596.5	392.34082
1225N	2600E	1225N	2015	51.2578	-90.5265	5681400	672590.8	395.464966

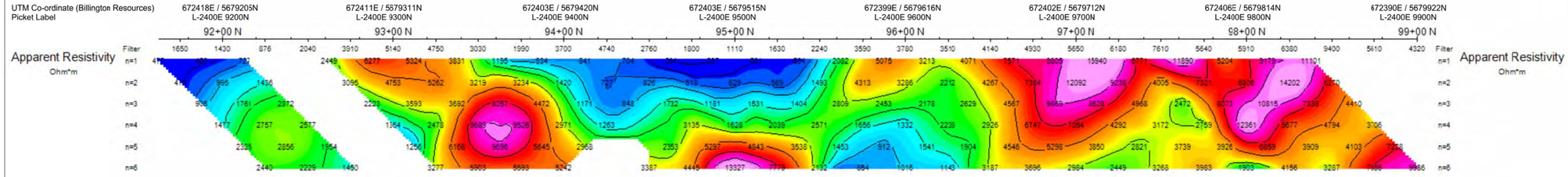
ident	Line	Station	Year_Cut	Latitude	Longitude	y_proj	x_proj	altitude
Line 2900E								
L2900-9600	2900E	9600N	2015	51.24155	-90.5228	5679602	672905.3	383.21
L2900-9625	2900E	9625N	2015	51.24182	-90.5228	5679632	672904.5	385.37
L2900-9650	2900E	9650N	2015	51.24203	-90.5229	5679656	672901.6	386.09
L2900-9675	2900E	9675N	2015	51.24222	-90.5229	5679677	672901.3	385.61
Baseline2900	2900E	Baseline2900	2015	51.24224	-90.5229	5679679	672900	384.65
L2900-9700	2900E	9700N	2015	51.24241	-90.5229	5679697	672898.3	385.61
L2900-9725	2900E	9725N	2015	51.24265	-90.5229	5679725	672900.4	385.61
L2900-9750	2900E	9750N	2015	51.24286	-90.5228	5679748	672904.1	385.13
L2900-9775	2900E	9775N	2015	51.24307	-90.5227	5679771	672909.4	385.85
L2900-9800	2900E	9800N	2015	51.24332	-90.5227	5679800	672908.5	386.09
L2900-9825	2900E	9825N	2015	51.24351	-90.5227	5679820	672910.9	385.85
L2900-9850	2900E	9850N	2015	51.24375	-90.5226	5679848	672914.1	385.85
L2900-9875	2900E	9875N	2015	51.24399	-90.5227	5679874	672906.4	386.09
L2900-9900	2900E	9900N	2015	51.24422	-90.5228	5679899	672895.5	384.65
L2900-9925	2900E	9925N	2015	51.24443	-90.5228	5679923	672895.9	384.65
L2900-9950	2900E	9950N	2015	51.24464	-90.5229	5679946	672889.7	384.41
L2900-9975	2900E	9975N	2015	51.2449	-90.5229	5679975	672891.1	384.65
L2900-1000	2900E	1000N	2015	51.24513	-90.5228	5680000	672895.2	384.89
L2900-0025	2900E	25N	2015	51.24536	-90.5228	5680026	672894.3	384.89
L2900-0050	2900E	50N	2015	51.2456	-90.5228	5680052	672892	383.93
L2900-1075	2900E	1075N	2015	51.24579	-90.5228	5680074	672891.7	384.65
L2900-0100	2900E	100N	2015	51.24601	-90.5228	5680099	672894.8	384.89
L2900-0125	2900E	125N	2015	51.24625	-90.5227	5680125	672898.7	385.85
L2900-0150	2900E	150N	2015	51.24651	-90.5227	5680154	672898.6	386.09
L2900-0175	2900E	175N	2015	51.24667	-90.5227	5680172	672898.7	386.81
L2900-0200	2900E	200N	2015	51.2469	-90.5227	5680198	672895.8	387.29
L2900-0225	2900E	225N	2015	51.24713	-90.5227	5680223	672894.6	386.81
L2900-0250	2900E	250N	2015	51.24735	-90.5227	5680247	672892.2	387.53
L2900-0275	2900E	275N	2015	51.24758	-90.5228	5680273	672887.1	387.05
L2900-0300	2900E	300N	2015	51.24782	-90.5227	5680299	672888.5	387.53
L2900-0325	2900E	325N	2015	51.24803	-90.5227	5680323	672889.1	387.29
L2900-0375	2900E	375N	2015	51.24846	-90.5227	5680371	672888.3	388.26
L2900-0400	2900E	400N	2015	51.24867	-90.5227	5680394	672886.5	388.5
L2900-0425	2900E	425N	2015	51.24897	-90.5228	5680427	672882.4	388.5
L2900-0450	2900E	450N	2015	51.24915	-90.5228	5680447	672881.5	388.01
L2900-0475	2900E	475N	2015	51.2494	-90.5229	5680475	672875.4	388.26
L2900-0500	2900E	500N	2015	51.24965	-90.5228	5680502	672874.6	389.94
L2900-0525	2900E	525N	2015	51.24992	-90.5229	5680533	672871.2	394.74
L2900-0550	2900E	550N	2015	51.25009	-90.5229	5680551	672872.1	397.87
L2900-0575	2900E	575N	2015	51.25033	-90.5228	5680579	672877.5	398.83
L2900-0600	2900E	600N	2015	51.25053	-90.5227	5680601	672881.3	399.31
L2900-0625	2900E	625N	2015	51.25074	-90.5226	5680625	672887.9	398.59

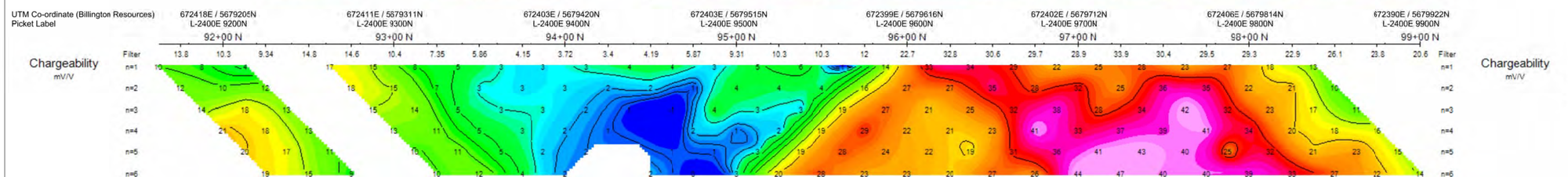
ident	Line	Station	Year_Cut	Latitude	Longitude	y_proj	x_proj	altitude
L2900-0650	2900E	650N	2015	51.25094	-90.5226	5680647	672888	399.31
L2900-0675	2900E	675N	2015	51.25108	-90.5226	5680662	672887.8	399.07
L2900-0700	2900E	700N	2015	51.25138	-90.5226	5680696	672885.3	399.07
L2900-0725	2900E	725N	2015	51.25164	-90.5225	5680725	672888.7	398.59
L2900-0750	2900E	750N	2015	51.25189	-90.5225	5680753	672889.4	398.11
L2900-0775	2900E	775N	2015	51.25207	-90.5226	5680772	672886	396.43
L2900-0800	2900E	800N	2015	51.25229	-90.5225	5680797	672886.4	395.46
L2900-0825	2900E	825N	2015	51.25254	-90.5226	5680824	672882.3	395.46
L2900-0850	2900E	850N	2015	51.25273	-90.5226	5680846	672882.1	394.98
L2900-0875	2900E	875N	2015	51.25296	-90.5225	5680871	672883.7	395.22
L2900-0900	2900E	900N	2015	51.25322	-90.5225	5680900	672889	395.95
L2900-0925	2900E	925N	2015	51.25339	-90.5225	5680920	672888.4	396.67
L2900-0950	2900E	950N	2015	51.25363	-90.5224	5680946	672893.8	395.95
L2900-0975	2900E	975N	2015	51.25391	-90.5222	5680978	672900.5	395.22
L2900-1000-	2900E	1000-N	2015	51.25408	-90.5223	5680997	672899.1	397.39
L2900-1025	2900E	1025N	2015	51.2544	-90.5223	5681032	672896	397.87
L2900-1050	2900E	1050N	2015	51.25462	-90.5223	5681056	672897.6	398.59
L2900-1075-	2900E	1075-N	2015	51.25479	-90.5223	5681076	672893.1	397.39
L2900-1100	2900E	1100N	2015	51.25498	-90.5223	5681096	672889.7	394.98
L2900-1125	2900E	1125N	2015	51.25524	-90.5223	5681125	672889.3	394.5
L2900-1150	2900E	1150N	2015	51.25546	-90.5223	5681150	672888.9	394.02
L2900-1175	2900E	1175N	2015	51.25568	-90.5223	5681175	672887.5	393.3
L2900-1200	2900E	1200N	2015	51.25592	-90.5224	5681201	672885.8	393.3
L2900-1225	2900E	1225N	2015	51.25613	-90.5224	5681224	672882.6	393.54
L2900-1250	2900E	1250N	2015	51.25635	-90.5224	5681249	672881	394.02
L2900-1275	2900E	1275N	2015	51.25659	-90.5224	5681276	672881.4	393.54
L2900-1300	2900E	1300N	2015	51.25689	-90.5223	5681309	672884.5	393.06
L2900-1325	2900E	1325N	2015	51.25709	-90.5222	5681332	672889.7	394.98
L2900-1350	2900E	1350N	2015	51.25731	-90.5222	5681356	672890	392.82
L2900-1375	2900E	1375N	2015	51.25754	-90.5221	5681382	672899.4	396.91
L2900-1400	2900E	1400N	2015	51.25777	-90.5222	5681407	672892.7	396.91
L2900-1425	2900E	1425N	2015	51.25799	-90.522	5681432	672900.3	395.95
L2900-1450	2900E	1450N	2015	51.25821	-90.5219	5681457	672909.2	396.43
L2900-1475	2900E	1475N	2015	51.25843	-90.5219	5681481	672908.7	396.19
2900			2015	51.2586	-90.522	5681500	672900	401.71
L2900-1500	2900E	1500N	2015	51.25866	-90.5219	5681507	672909.2	389.94
L2900-1525	2900E	1525N	2015	51.25885	-90.5219	5681529	672908.3	389.22

APPENDIX D

IP PSEUDO SECTIONS





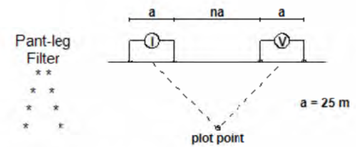


Geosoft Software for the Earth Sciences

Pseudo Section Plot

24+00 E

Dipole-Dipole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- □ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2000

25 0 25 50 75 100 125

(meters)

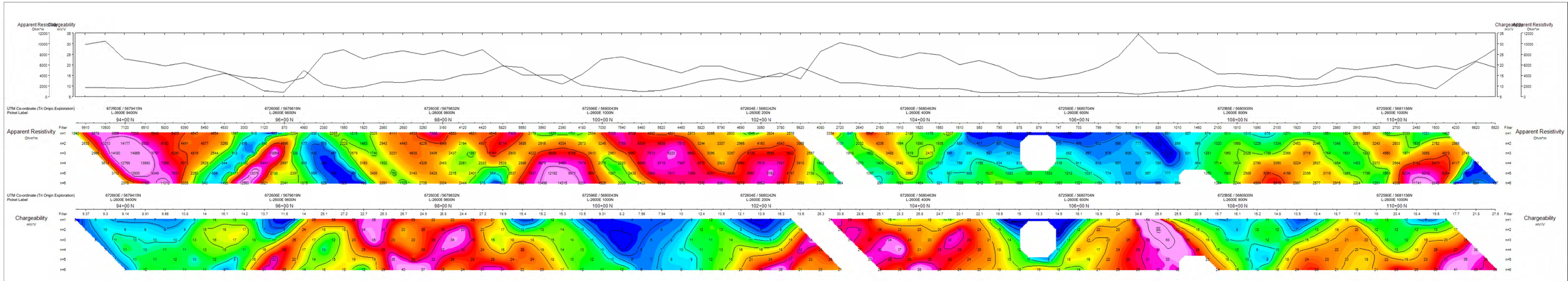
Tri Origin Exploration Ltd.

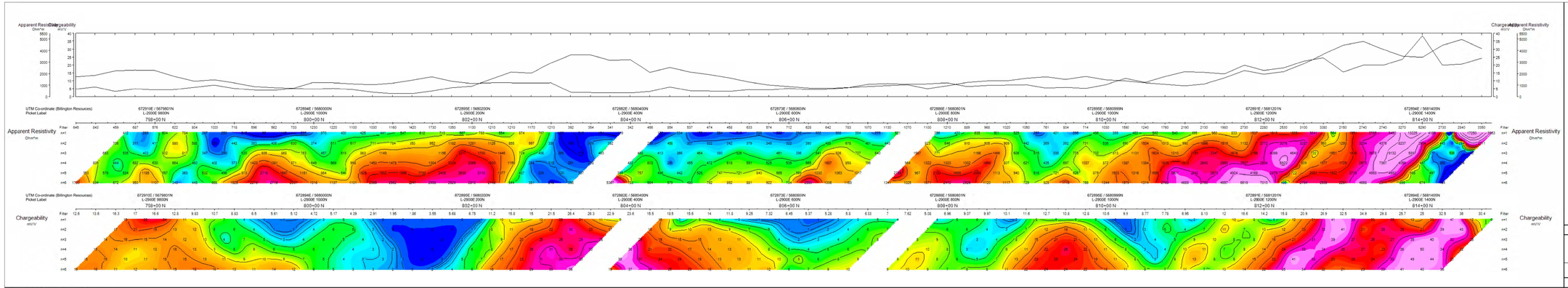
INDUCED POLARIZATION SURVEY

2015 Sky Lake IP Survey

Date: 01/07/2015
Interpretation:

Billington Resource Group Inc.

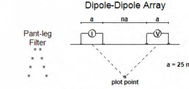

Apparent Resistivity
Ohm*m
Chargeability
mV/V
UTM Co-ordinate (Tri Origin Exploration)
Picket Label
672603E / 5679415N
L-2600E 9400N
672606E / 5679619N
L-2600E 9600N
672603E / 5679832N
L-2600E 9800N
672596E / 5680043N
L-2600E 10000N
672604E / 5680042N
L-2600E 200N
672600E / 5680463N
L-2600E 400N
672596E / 5680704N
L-2600E 600N
672585E / 5680935N
L-2600E 800N
672590E / 5681156N
L-2600E 1000N
94+00 N
96+00 N
98+00 N
100+00 N
102+00 N
104+00 N
106+00 N
108+00 N
110+00 N
Filter
n=1
n=2
n=3
n=4
n=5
n=6
Pseudo Section Plot
26+00 E
Dipole-Dipole Array
Pant-leg
Filter
a
na
a
I
V
a = 25 m
plot point
Logarithmic
Contours
1.5, 2, 3, 5, 7.5, 10,..
INTERPRETATION
Strong increase in polarization accompanied by marked decrease in resistivity.
Well defined increase in polarization without marked resistivity decrease.
Poorly defined polarization increase with no resistivity signature.
Low resistivity feature.
Scale 1:2000
25 0 25 50 75 100 125
(meters)
Tri Origin Exploration Ltd.
INDUCED POLARIZATION SURVEY
2015 Sky Lake IP Survey
Date: 01/07/2015
Interpretation
Billington Resource Group Inc.
Geosoft Software for the Earth Sciences



Pseudo Section Plot

29+00 E

Dipole-Dipole Array



Logarithmic Contours: 7.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- Low resistivity feature.

Scale 1:2000

25 0 25 50 75 100 125

(meters)

Tri Origin Exploration Ltd.

INDUCED POLARIZATION SURVEY

2015 Sky Lake IP Survey

Date: 01/07/2015
Interpretation:

Billington Resource Group Inc.