LOGISTICS REPORT

ORFORD MINING CORP.

WEST RAGLAN PROJECT

QUEBEC, CANADA

MOVING LOOP TEM SURVEY

JULY 7TH, 2021 TO AUGUST 29TH, 2021

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INTRODUCTION

Between July 7th and August 29th, 2020, Discovery Geophysics Inc. carried out a Moving Loop Transient Electromagnetic (MLEM) survey on the West Raglan project for Orford Mining Corp. The geophysical program carried out by Discovery was designed to detect and characterize discrete conductors within the survey area. This was achieved employing three Jessy-Deep High Temperature (LiNi) SQUID sensors in combination with a single-turn transmitter loop and a stationary transmitter. This report provides a summary of the survey procedures, logistics, and personnel; it also describes the equipment specifications, data acquisition and processing procedures, and deliverables.

PROJECT ID	West Raglan Project
GENERAL LOCATION	West Raglan, Quebec, Canada (See Figure 1)
SURVEY DESCRIPTION	**Slingram & Center Loop - Moving Loop Time Domain Electromagnetic (MLTEM)**
OBJECTIVES	To detect, locate and characterize buried conductors associated with Ni-Cu-PGE styled mineralization, utilizing superior Jessy-Deep High Temperature Squid (B-field) sensor technology.
CLIENT	**ORFORD MINING CORP.** 2 St Clair Avenue West – 18th Floor Toronto, Ontario M4V 1L4 Canada
CLIENT REPRESENTATIVE	**Michelle Sciortino** Vice President Exploration msciortino@orfordmining.com Phone: 1-(416)-578-0723

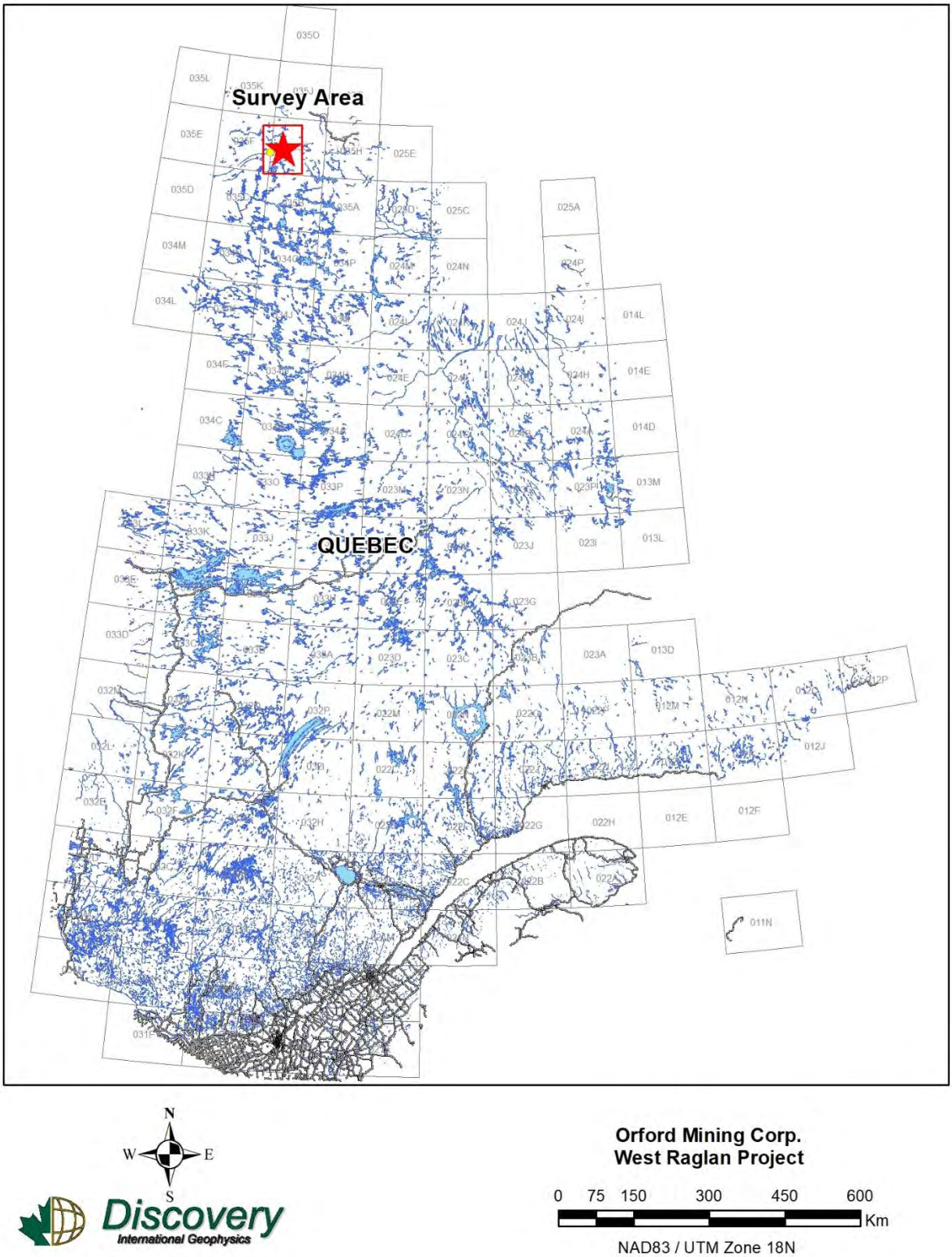


Figure 1: Location Map – West Raglan MLEM Project

PROJECT LOCATION, ACCESS, AND PHYSIOGRAPHY

Location	The West Raglan Project property is located approximately 100 km southwest Salluit, and about 160 northeast of the community of Puvirnituq, the largest community on the west side of Nunavik. The project area is accessible from Puvirnituq by Twin Otter and then by a short helicopter to camp Chukotat.
Access	The crew access the grids by daily helicopter drop off and carried out the survey on foot.
Accommodations	Accommodations, meals, and other amenities were provided by the client at camp Chukotat. A camp with 25 tents on the shore of Chukotat lake and located central to all survey grids.
Physiography	The physiography of the West Raglan property area is mainly characterized by low hills, ridges, drumlins and eskers, with lakes and muskeg common in the low-lying areas. The spring thaw and melt leaves snow in the leeward sides of hills and cliffs. The average elevation of the West Raglan Project area is approximately 470 m above sea level. The terrain ranged from flat open tundra to steep hillsides and side slopes and rocky outcrops on tops of the hills Vegetation is predominantly tundra grasses in the lower wet areas, while ground cover comprises primarily reindeer lichen and Labrador tea.
Survey Grids	Boomerang, Frontier, Redline, and Beverly
Coordinate system	Datum: NAD83, UTM Zone 18N

SURVEY INFORMATION

3.1 HSEC

Discovery Int'l Geophysics moved over to paperless HSEC documentation in 2014, by employing the use of our online software, eCompliance. The eCompliance system allow full transparency between Discovery and our clients, with employee training records, safety meetings, inspections, incidents and more available to all involved parties at the click of a mouse.

Crews are expected to complete their documentation on a daily basis and then upload it to eCompliance where it is automatically organized into the project site and document type, and it is then instantly available for the senior management and clientele for review.

WEST RAGLAN PROJECT HEALTH AND SAFETY

Prior to the crew departing their base of operations in Saskatoon, SK, the Crew Chief took on the assignment of HSE Coordinator. This meant that the Crew Chief took on the role of ensure all safety meetings and inspections were document, but this also allowed the rest of the crew, and the client to voice any concerns to a second representative, should the Crew Chief not be available. Weekly safety meetings with all camp personnel were conducted on where safety shares and questions were open for discussion.

PRIMARY HEALTH AND SAFETY CONCERNS FOR THIS PROJECT

The West Raglan Project was delayed due to poor flight conditions from Puvirnituq. Heavy fog in the area did not allow the twin otter to land on the camp airstrip, the crew resulted in sleeping in the airport terminal two nights before getting into camp.

- The survey was conducted through the months of July and August, with the camp opening up 5 days before the crew's arrival. The initial conditions were cool and there was still considerable snow on at the base of hills and cliffs, with rain and fog visibility in the morning. Footing was the biggest safety concern with this project. Large boulders fields and broken rock faces provide unstable footing and becomes slippery in rain. Lowland areas had tufted grass in marshy soil, with meandering streams and pools saturating most areas.
- Visibility was one of the major problems for transportation during the project, interruptions due to flyable weather increased risk in the field by preventing return to camp. Survival gear was positioned at every Tx site and every crew member was always no more than 1km away from the central site. The month of July had the best helicopter weather, with only 2 standby days. August brought more precipitation and had 9 days of weather where it was not safe to get to or stay out in the field.

PROJECT INCIDENT AND NEAR-MISS REVIEW

July 13th, 2021 - A worker was pulling wire in the field and broke through a patch of snow, falling forward and hyperextending his knee. After administering first aid and conducting a site survey the camp was informed and the paramedic was called by satellite phone for in depth consultation. Fog, thunder, and lightning did not allow for immediate helicopter pickup and the injury was minor enough to continue surveying until pickup was available. After the weather improved both helicopters arrived to return the crew to camp. The nurse assessed the worker to be qualified for light duty for until further notice. In future weeks we kept the worker on light duty at the Tx site to operate the Transmitter systems. Review of this incident determined the use of snowshoes would have provided safe passage across the snowbank but was not logistically necessary due to the small amount of the grid covered in snow. The edges of all snowbanks were determined to be the most likely to sink in and have a slip/trip/ fall. The boulders near the edge of the snowpack make most of the edge very saturated and prone to breaking through. All crew were informed and were reminded of the hazard.

On the grids with steep cliff faces (Terrace, Redline, Beverly West) many of the crew noted 5-15ft crevasses that angled into the rock faces. Presenting a tripping and fall hazard that would not be visible while walking downhill. The rest of the crews were made aware of the hazards as they were identified, and the safety point was shared with the camp.

3.2 MOVING LOOP TEM SURVEY INFORMATION

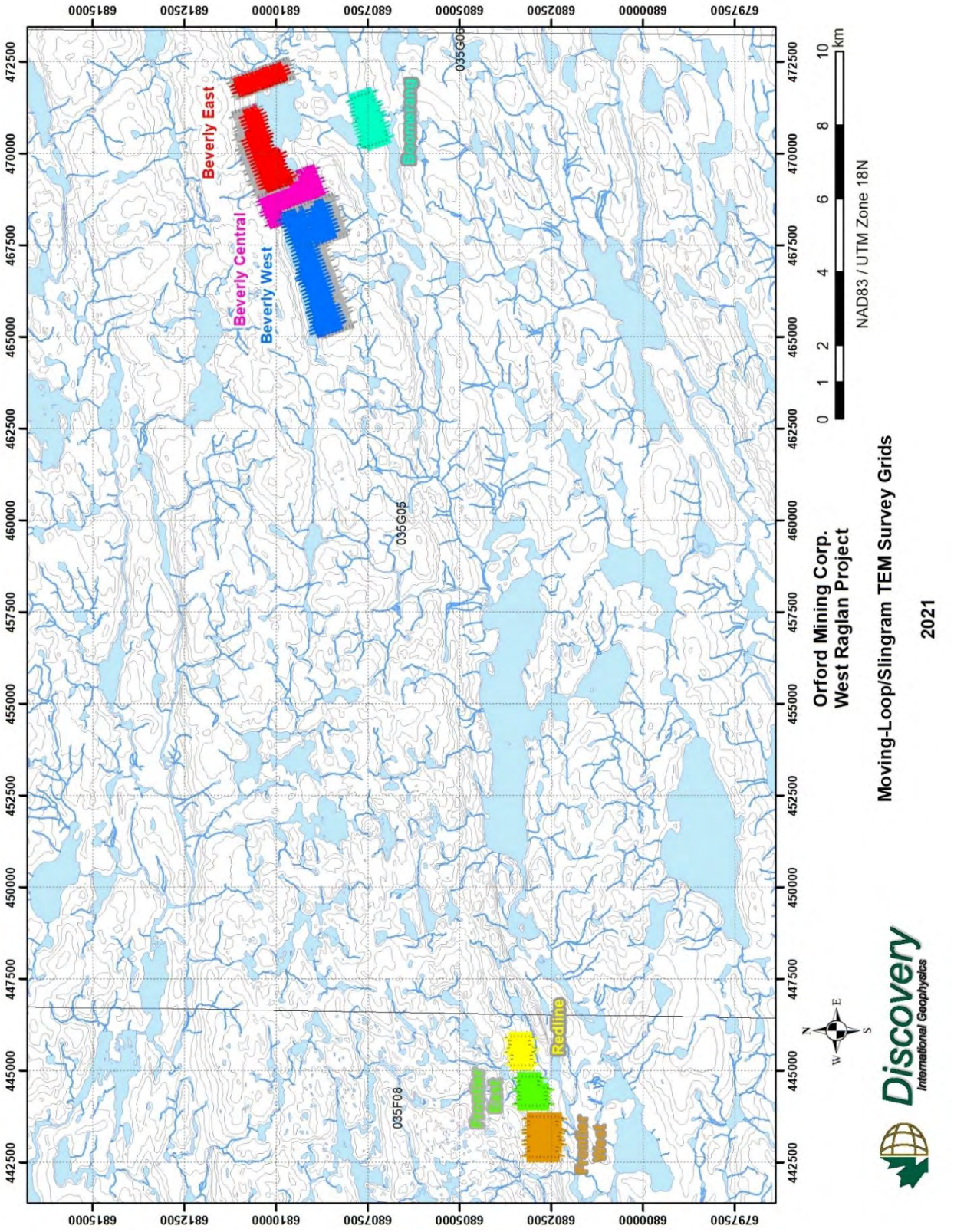
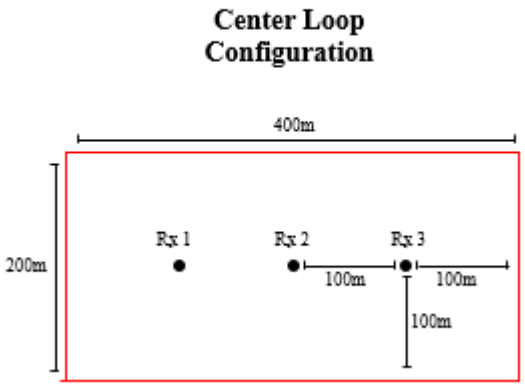


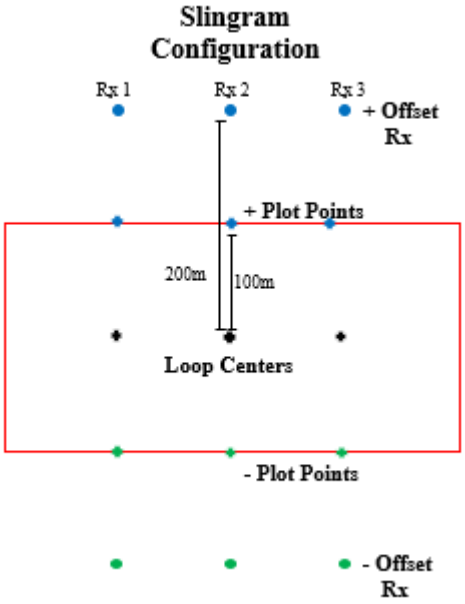
Figure 2: Coverage Map – West Raglan MLEM Project

SURVEY DESCRIPTION

A moving-loop TEM survey was carried out using High Temperature (HT) SQUID sensors coupled with a SMARTem24 receivers, and a Phoenix TXU-30 transmitter powered by a portable 3-Phase Honda generator**.** 400 m x 200 m, single-turn, transmitter loops were employed. For each loop, a total of three SMARTem24 receivers with three SQUID sensors were utilized, each receiver was setup at least 100 m from the side of the loop and 100 m from the cross wires of the loop. This configuration allowed using three receivers and sensors inside the loop, 100 m apart, at the same time. Each station measured is the plot point of the secondary field measurements. Stations were collected at 50 - 100 m survey increments. Each profile line extended between 0.6 km and 1.25 km.



For the grids with water bodies over conductors a Slingram layout was used. The receivers were at an offset of 200m either north or south, with the sensor in front of the loop when approaching the water body. The Plot point for these stations is midway between loop center and Rx position. When terrain or water features inhibited the loop from moving forward the sensor would take readings at different offset increments to make up for lost coverage. All grids surveyed in the Slingram style were surveyed as close to the water as possible to maximize data output.



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MEASUREMENTS

X, **Y** and **Z** components of the Primary and Secondary EM B-field.

PERSONNEL

Drew Blakley	Crew Chief
Joey Cook	Operator
Cole Smytaniuk	Operator-in-Training
Mohamed Haiba	Operator-in-Training
Dagan MacKenzie	Field Technician
Don Lariviere	Field Technician
Stan MacKenzie	Field Technician
Olushola Oni	Field Technician
Kelvin Lindskog	Field Technician
Myles Ratt	Field Technician

SURVEY COVERAGE

Total coverage covered was 67.5 km. Details of the survey coverage and location maps can be found in **Tables 1-7** and **Figures 3-8** respectively.

Table 1: Boomerang - West Raglan Project – Slingram Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Offset N (m)	Plot Point (From)	Plot Point (To)	Total (km)
L165E	0.25	JD433	53.0	0.5	200	6450N	6900N	0.45
L166E	0.25	JD413	53.0	0.5	200	6450N	6900N	0.45
L167E	0.25	JD4.13.3	53.0	0.5	200	6450N	6900N	0.45
L168E	0.25	JD433	50.0	0.5	200	6450N	6700N	0.25
L169E	0.25	JD4.13.3	50.0	0.5	200	6450N	6700N	0.25
L170E	0.25	JD4.13.3, JD413	50.0	0.5	200	6450N	6700N	0.25
L171E	0.25	JD433	50.0	0.5	200	6450N	6750N	0.3
L172E	0.25	JD4.13.3	50.0	0.5	200	6450N	6750N	0.3
L173E	0.25	JD413	50.0	0.5	200	6450N	6750N	0.3
L174E	0.25	JD433	50.0	0.5	200	6750N	6450N	0.3
L175E	0.25	JD4.13.3	50.0	0.5	200	6750N	6450N	0.3
L176E	0.25	JD413	50.0	0.5	200	6750N	6450N	0.3
							TOTAL:	**3.9**

Table 2: Boomerang - West Raglan Project – Center Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Plot Point (From)	Plot Point (To)	Total (km)
L165E	0.25	JD433	53.0	0.5	6350N	6800N	0.45
L166E	0.25	JD413	53.0	0.5	6350N	6800N	0.45
L167E	0.25	JD4.13.3	53.0	0.5	6350N	6800N	0.45
L168E	0.25	JD433	50.0	0.5	6350N	6800N	0.45
L169E	0.25	JD4.13.3	50.0	0.5	6350N	6800N	0.45
L170E	0.25	JD4.13.3, JD413	50.0	0.5	6350N	6800N	0.45
L171E	0.25	JD433	50.0	0.5	6350N	6750N	0.4
L172E	0.25	JD4.13.3	50.0	0.5	6350N	6750N	0.4
L173E	0.25	JD413	50.0	0.5	6350N	6750N	0.4
L174E	0.25	JD433	50.0	0.5	6350N	6750N	0.4
L175E	0.25	JD4.13.3	50.0	0.5	6350N	6750N	0.4
L176E	0.25	JD413	50.0	0.5	6350N	6750N	0.4
						TOTAL:	**5.1**

Table 3: Frontier - West Raglan Project – Center Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Plot Point (From)	Plot Point (To)	Total (km)
L4428E	0.25	JD413	45.0	0.5	2400N	3050N	0.65
L4429E	0.25	JD4.13.3	45.0	0.5	2400N	3050N	0.65
L4430E	0.25	JD433	45.0	0.5	2400N	3050N	0.65
L4431E	0.25	JD413	45.0	0.5	2350N	3050N	0.7
L4432E	0.25	JD4.13.3, JD433	45.0	0.5	2350N	3050N	0.7
L4433E	0.25	JD433	45.0	0.5	2350N	3050N	0.7
L4434E	0.25	JD413	50.0	0.5	2650N	3100N	0.45
L4435E	0.25	JD4.13.3	50.0	0.5	2650N	3100N	0.45
L4436E	0.25	JD433	50.0	0.5	2650N	3100N	0.45
L4442E	0.25	JD413	46.0	0.5	2700N	3300N	0.6
L4443E	0.25	JD413, 4.13.3	46.0	0.5	2700N	3300N	0.6
L4444E	0.25	JD433	46.0	0.5	2700N	3300N	0.6
L4445E	0.25	JD413	45.0	0.5	2900N	3300N	0.4
L4446E	0.25	JD433	45.0	0.5	2900N	3300N	0.4
L4447E	0.25	JD4.16.3	45.0	0.5	2900N	3300N	0.4
						TOTAL:	**8.4**

Table 4: Redline - West Raglan Project – Center Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Plot Point (From)	Plot Point (To)	Total (km)
L4453E	0.25	JD413	45.0	0.5	3100N	3500N	0.4
L4454E	0.25	JD433	45.0	0.5	3100N	3500N	0.4
L4455E	0.25	JD4.16.3	45.0	0.5	3100N	3500N	0.4
L4456E	0.25	JD413	45.0	0.5	3150N	3550N	0.4
L4457E	0.25	JD433	45.0	0.5	3150N	3550N	0.4
L4458E	0.25	JD4.16.3	45.0	0.5	3150N	3550N	0.4
						TOTAL:	**2.4**

Table 5: Beverly West- West Raglan Project – Slingram Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Offset N (m)	Plot Point (From)	Plot Point (To)	Total (km)
L121E	0.25	JD413	45.0	0.5	200	9100N	9800N	0.7
L122E	0.25	JD433	45.0	0.5	200	9100N	9800N	0.7
L123E	0.25	JD4.16.3	45.0	0.5	200	9100N	9800N	0.7
L124E	0.25	JD413	45.0	0.5	200	9000N	9600N	0.6
L125E	0.25	JD433	45.0	0.5	200	9000N	9600N	0.6
L126E	0.25	JD4.16.3	45.0	0.5	200	9000N	9600N	0.6
L127E	0.25	JD413	42.0	0.5	200	9100N	9600N	0.5
L128E	0.25	JD433	42.0	0.5	200	9100N	9600N	0.5
L129E	0.25	JD4.16.3	42.0	0.5	200	9100N	9600N	0.5
L130E	0.25	JD413	43.0	0.5	200	9000N	9550N	0.55
L131E	0.25	JD433	43.0	0.5	200	9000N	9550N	0.55
L132E	0.25	JD4.16.3	43.0	0.5	200	9000N	9550N	0.55
L133E	0.25	JD413	45.0	0.5	200	9000N	9500N	0.55
L134E	0.25	JD433	45.0	0.5	200	9000N	9500N	0.55
L135E	0.25	JD4.16.3	45.0	0.5	200	9000N	9500N	0.55
L136E	0.25	JD413	45.0	0.5	200	9000N	9500N	0.55
L137E	0.25	JD433	45.0	0.5	200	9000N	9500N	0.55
L138E	0.25	JD4.16.3	45.0	0.5	200	9000N	9500N	0.55
L139E	0.25	JD413	45.0	0.5	200	9000N	9450N	0.45
L140E	0.25	JD433	45.0	0.5	200	9000N	9450N	0.45
L141E	0.25	JD4.16.3	45.0	0.5	200	9000N	9450N	0.45
L142E	0.25	JD413	45.0	0.5	200	9000N	9450N	0.45
L143E	0.25	JD433	45.0	0.5	200	9000N	9450N	0.45
L144E	0.25	JD4.16.3	45.0	0.5	200	9000N	9450N	0.45
L145E	0.25	JD413	40.0	0.5	200	8400N	9550N	1.15
L146E	0.25	JD433	40.0	0.5	200	8400N	9550N	1.15
L147E	0.25	JD4.16.3	40.0	0.5	200	8400N	9550N	1.15
L148E	0.25	JD413	40.0	0.5	200	8400N	9550N	1.15
L149E	0.25	JD433	40.0	0.5	200	8400N	9550N	1.15
L150E	0.25	JD4.16.3	40.0	0.5	200	8400N	9550N	1.15
L151E	0.25	JD433	40.0	0.5	200	8400N	9550N	1.2
L152E	0.25	JD4.16.3	40.0	0.5	200	8400N	9550N	1.2
L153E	0.25	JD413	40.0	0.5	200	8400N	9550N	1.2
							TOTAL:	**23.55**

Table 6: Beverly Central – West Raglan Project – Center Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Plot Point (From)	Plot Point (To)	Total (km)
L154E	0.25	JD413	30.0	0.5	8500N	10000N	1.5
L155E	0.25	JD433	30.0	0.5	8500N	10000N	1.5
L156E	0.25	JD4.16.3	30.0	0.5	8500N	10000N	1.5
L157E	0.25	JD413	30.0	0.5	8500N	10000N	1.5
L158E	0.25	JD433	30.0	0.5	8500N	10000N	1.5
L159E	0.25	JD4.16.3	30.0	0.5	8500N	10000N	1.5
L160E	0.25	JD413	30.0	0.5	8500N	10000N	1.5
L161E	0.25	JD433	30.0	0.5	8500N	10000N	1.5
L162E	0.25	JD4.16.3	30.0	0.5	8500N	10000N	1.5
						TOTAL:	**13.5**

Table 7: Beverly East- West Raglan Project – Slingram / Center Loop - Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Offset N (m)	Plot Point (From)	Plot Point (To)	Total (km)
L163E	0.25	JD413	40.0	0.5	-200	9200N	9950N	0.75
L164E	0.25	JD433	40.0	0.5	-200	9200N	9950N	0.75
L165E	0.25	JD4.16.3	40.0	0.5	-200	9200N	9950N	0.75
L166E	0.25	JD413	45.0	0.5	-200	9350N	9950N	0.6
L167E	0.25	JD433	45.0	0.5	-200	9350N	9950N	0.6
L168E	0.25	JD4.16.3	45.0	0.5	-200	9350N	9950N	0.6
L169E	0.25	JD413	42.0	0.5	-200	9250N	9950N	0.7
L170E	0.25	JD433	42.0	0.5	-200	9250N	9950N	0.7
L171E	0.25	JD4.16.3	42.0	0.5	-200	9250N	9950N	0.7
L172E	0.25	JD413	43.0	0.5	-200	9450N	9950N	0.5
L173E	0.25	JD433	43.0	0.5	-200	9450N	9950N	0.5
L174E	0.25	JD4.16.3	43.0	0.5	-200	9450N	9950N	0.5
L175E	0.25	JD413	45.0	0.5	-200	9400N	9950N	0.55
L176E	0.25	JD433	45.0	0.5	-200	9400N	9950N	0.55
L177E	0.25	JD4.16.3	45.0	0.5	-200	9400N	9950N	0.55
L178E	0.25	JD413	45.0	0.5	-200	9400N	9800N	0.4
L179E	0.25	JD433	45.0	0.5	-200	9400N	9800N	0.4
L180E	0.25	JD4.16.3	45.0	0.5	-200	9400N	9800N	0.4
L181E	0.25	JD413	45.0	0.5	-200	9400N	9800N	0.4
L182E	0.25	JD433	45.0	0.5	-200	9400N	9800N	0.4
L183E	0.25	JD4.16.3	45.0	0.5	-200	9400N	9800N	0.4
							TOTAL:	**11.7**

Table 8: Beverly East- West Raglan Project – Center Loop - Moving-Loop TEM Survey Coverage

Line	Frequency (Hz)	Rx #	Current (A)	Turn-Off Time (ms)	Plot Point (From)	Plot Point (To)	Total (km)
L190E	0.25	JD413	40.0	0.5	8350N	9650N	1.3
L191E	0.25	JD433	40.0	0.5	8350N	9650N	1.3
L192E	0.25	JD4.16.3	40.0	0.5	8350N	9650N	1.3
						TOTAL:	**3.9**

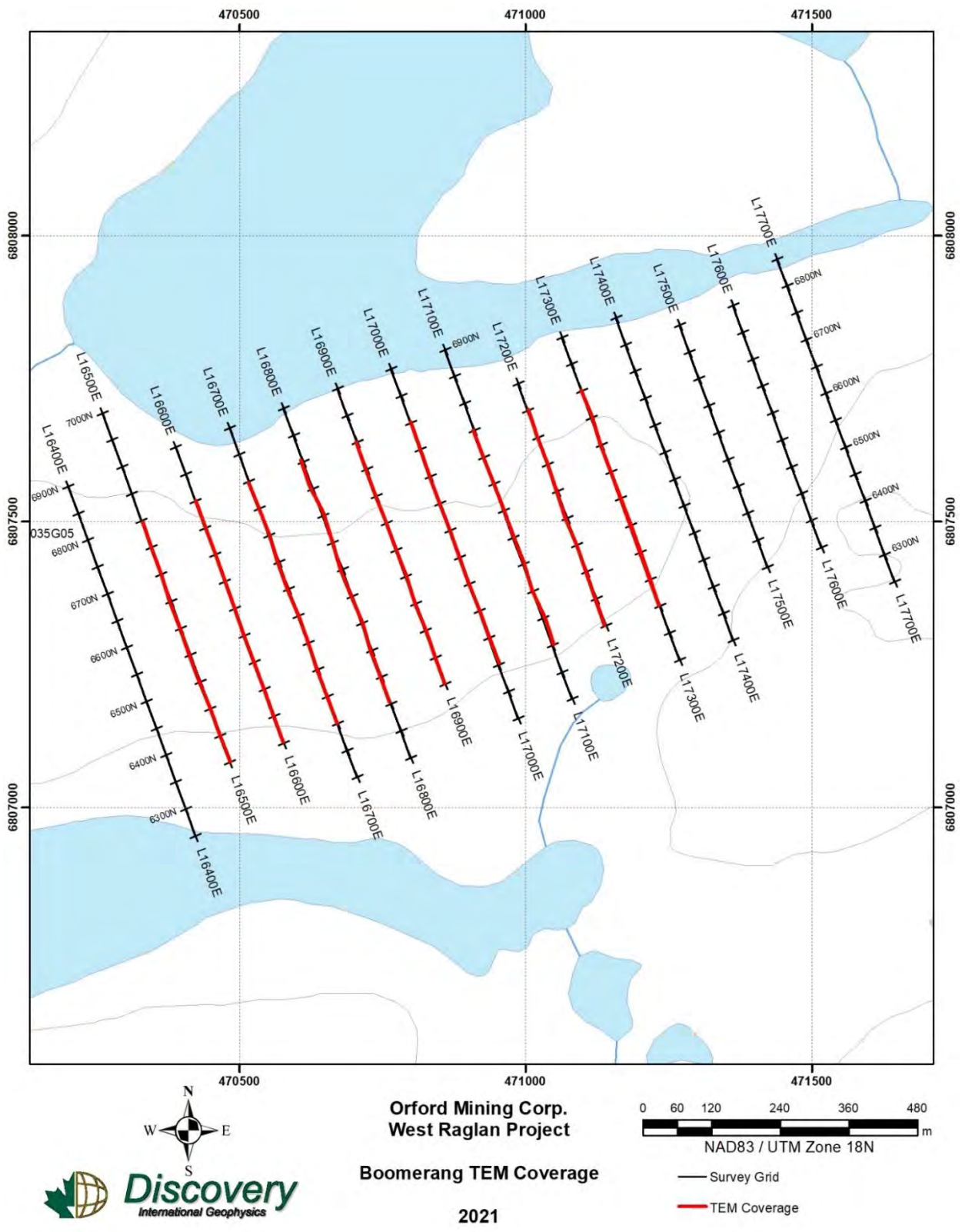


Figure 3: West Raglan Coverage Map – Boomerang Grid

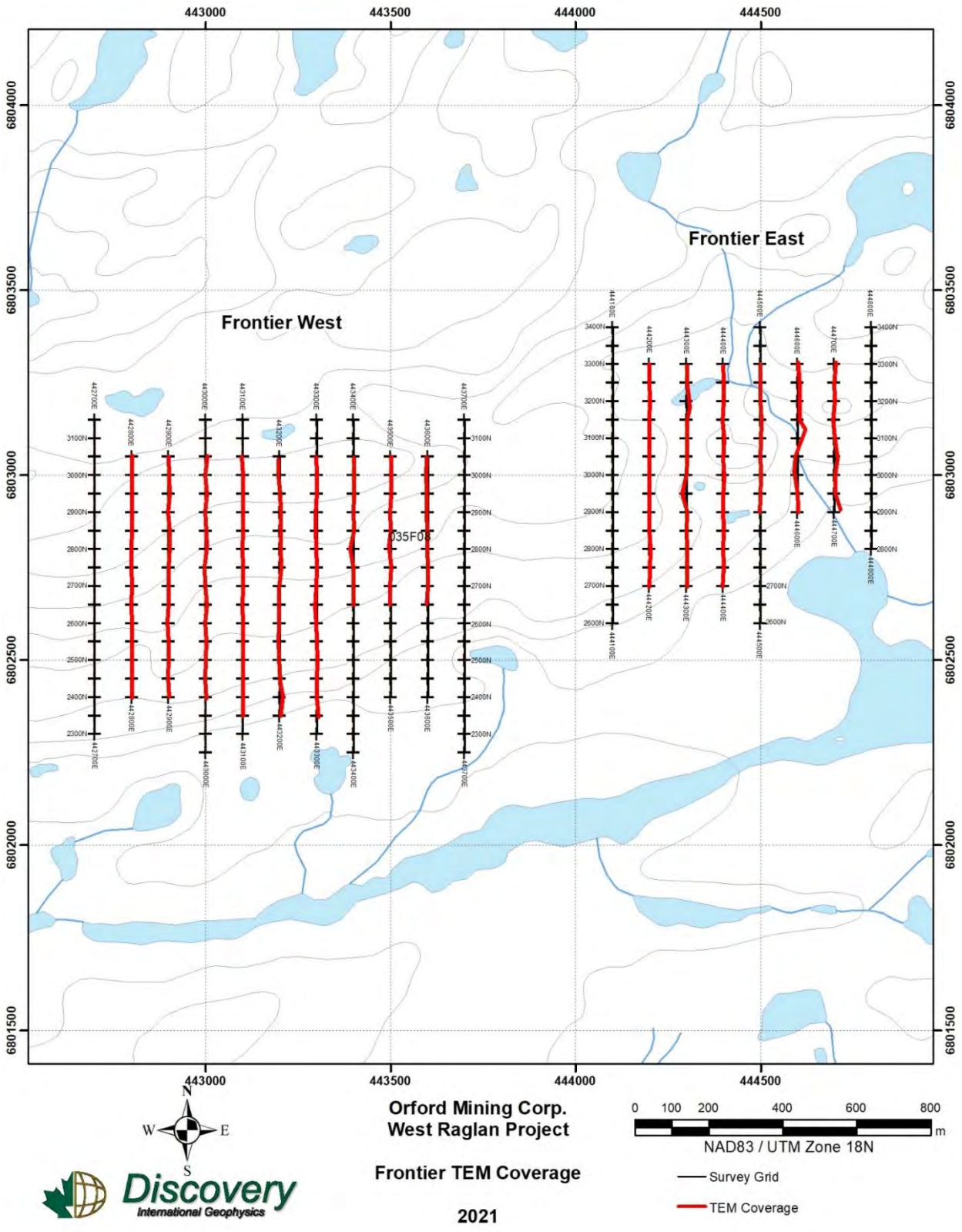


Figure 4: West Raglan Coverage Map – Frontier Grid

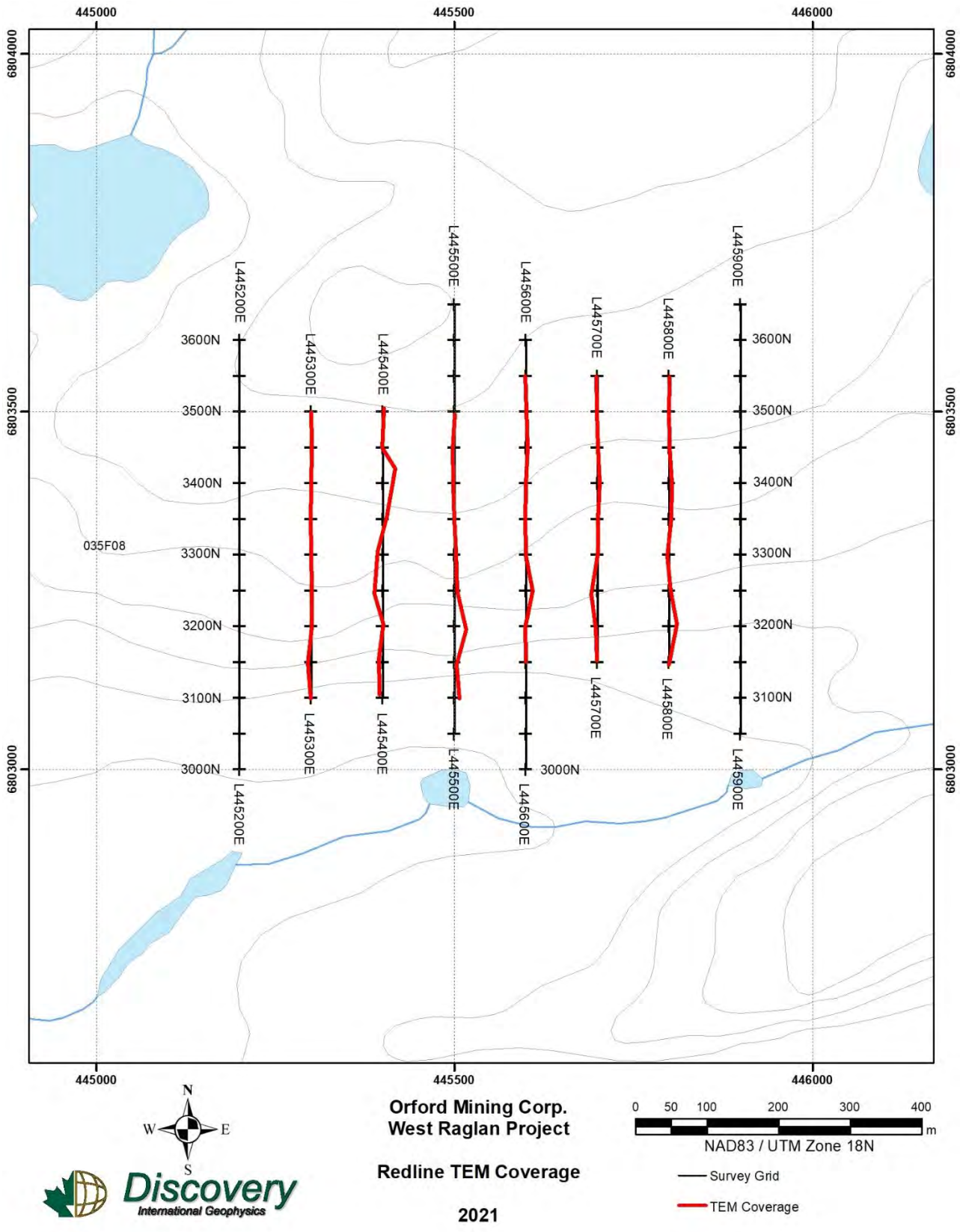


Figure 5: West Raglan Coverage Map – Redline Grid

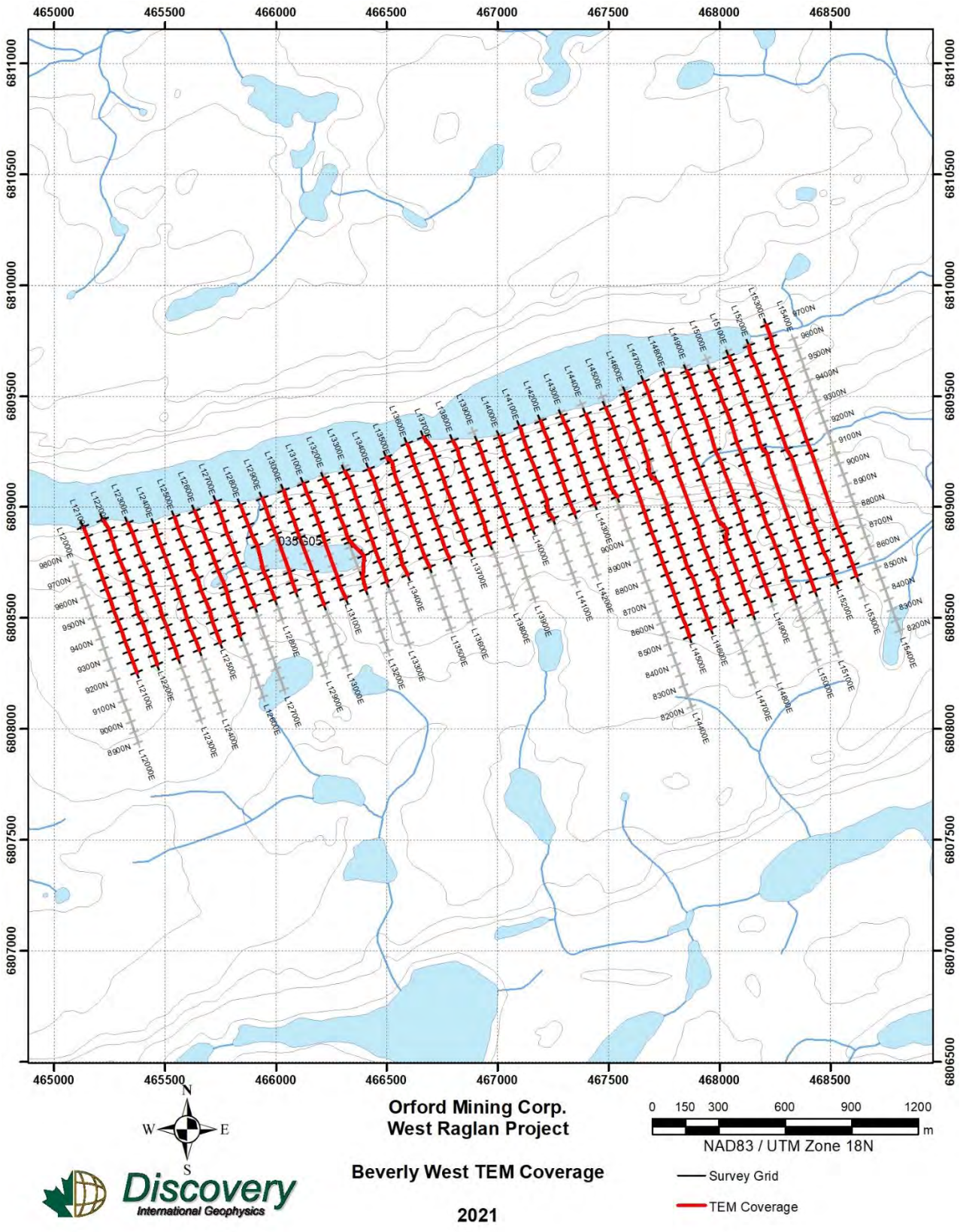


Figure 6: Coverage Map – Beverly West Grid

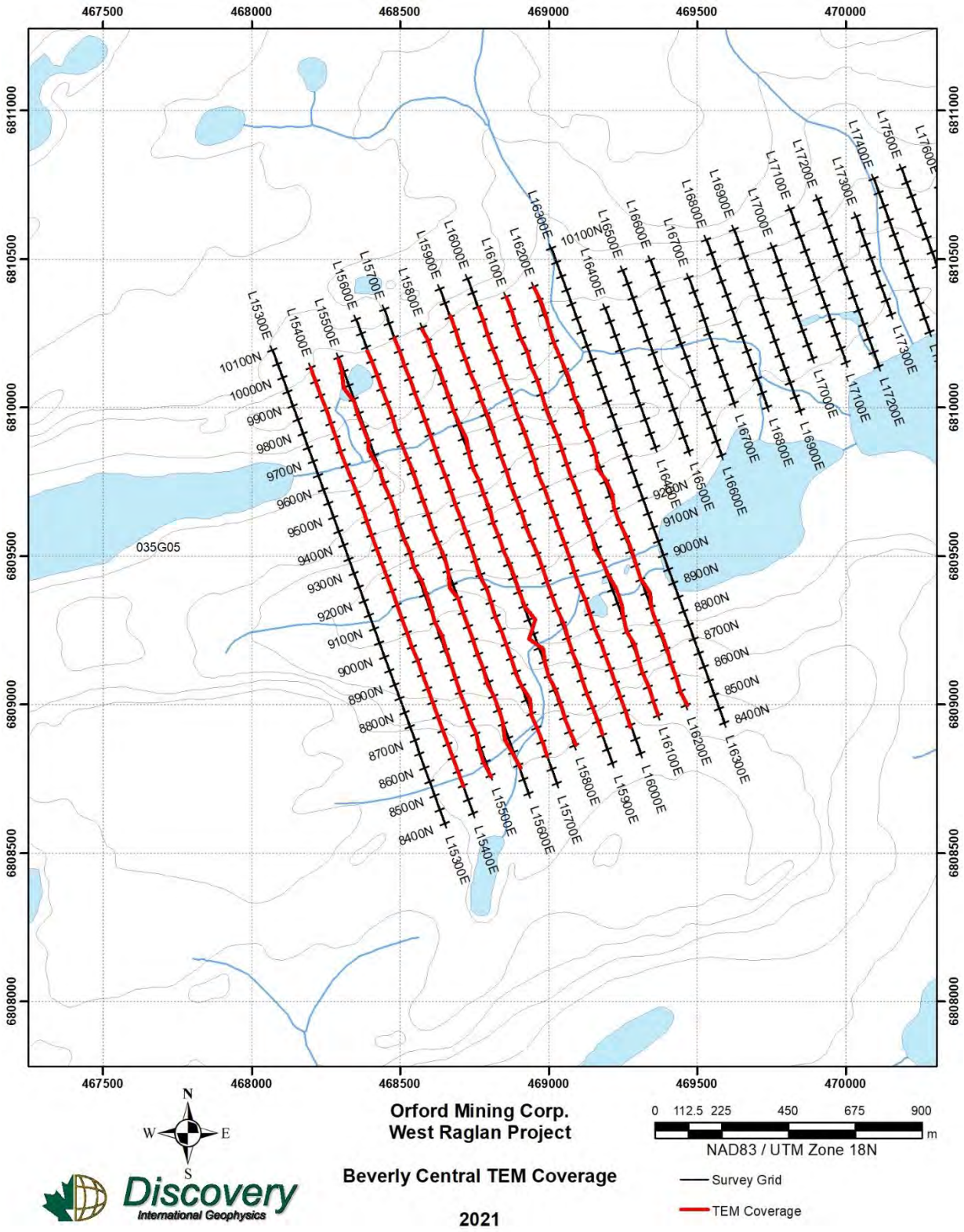


Figure 7: Coverage Map – Beverly Central Grid

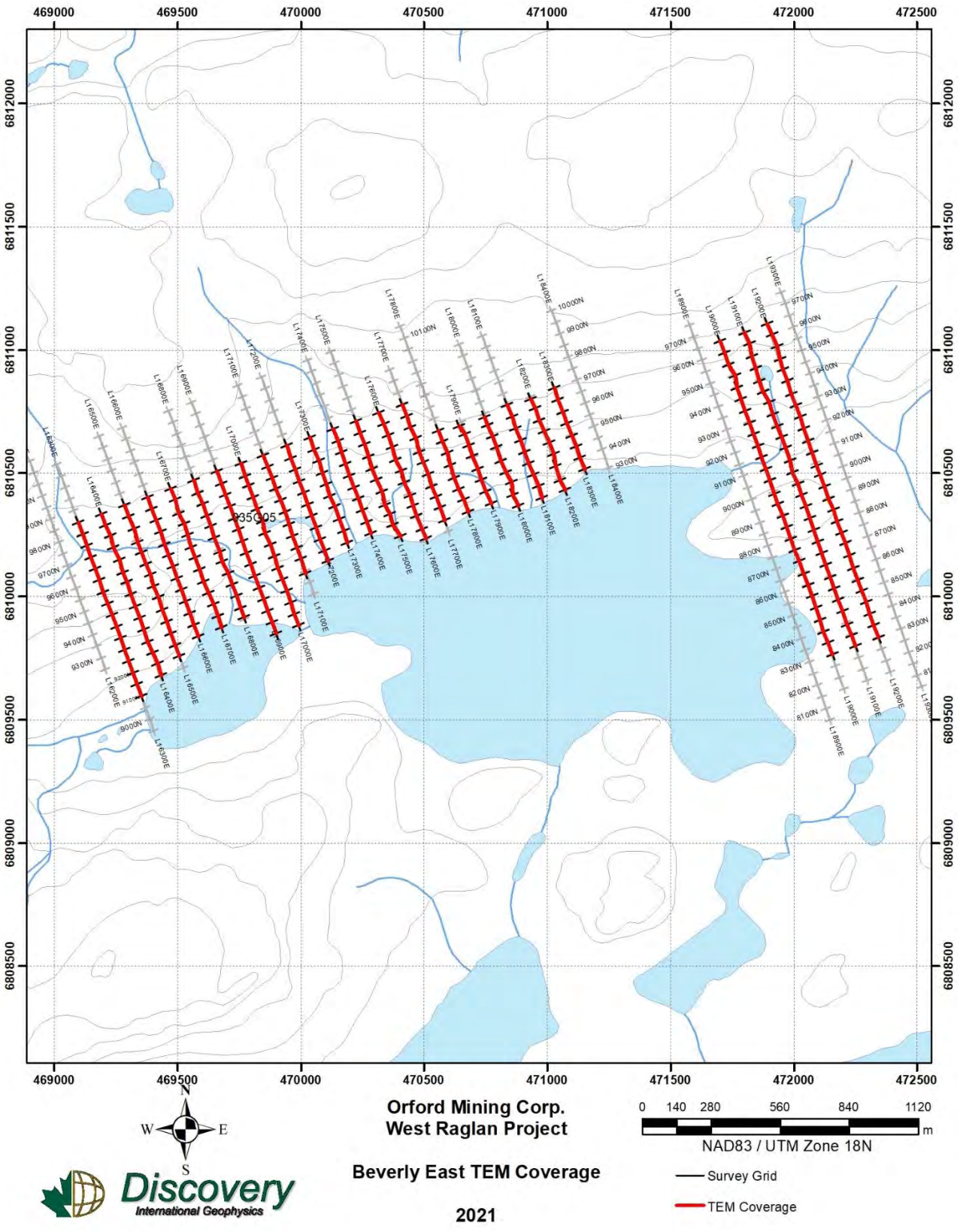


Figure 8: Coverage Map – Beverly East Grid

SURVEY PARAMETERS

Table 9: MLTEM Survey Parameters

Receiver Parameters	
Survey Mode	Center Loop / Slingram Moving Loop ground survey, 3 sensors, 0.15km coverage per loop.
Polarity convention	**X:** grid North **Y:** orthogonal to **X** along grid East **Z:** orthogonal to **X** and **Y**, positive upward. The direction of current flow in the Tx loop is such that the total primary field is oriented upward in the centre of the loop.
Synchronization	GPS time sync & backup crystal sync
Station Spacing	50m
Line Spacing	100m
Stacking	8-64 stacks/reading, ~8 readings/station
Number of Gates	43-time gates, 0.087 to 992.060ms after shut-off See **Appendix A** for a complete list of gates. (See note in **Discussion**)
Transmitter Parameters	
Frequency	0.25 Hz (See note in **Discussion**)
Effective Current	30-60 A
Signal	Bipolar square wave, 50% duty cycle
Synchronization	GPS time sync & backup crystal sync
Loop	200 x 400 m
Turn-off	0.50 (ms)
Composition	Single turn 10Ga

EQUIPMENT

Table 10: MLTEM Primary Equipment List

		#	Description
Acquisition			
	Sensor	3	Supracon, Jessy Deep High Temperature SQUID. 3-Component B-Field, Liquid Nitrogen
	Receiver	3	EMIT SMARTem24
Transmission			
	Generator	1	Winco EC22000VE-4 19kW peak output
	Transmitter	1	Phoenix TXU30
	Tx Controller	1	Phoenix TXU30

See **Appendix A** for more details.

SOFTWARE

EMIT SMARTem24: Acquisition, quality control
EMIT Maxwell: Data processing, plotting, and modelling

PROFILE PLOTS

Profile plots can be found in APPENDIX C through K.

3.3 MOVING LOOP TEM PROCESSING AND PRESENTATION

QA/QC

At the conclusion of each survey day, the TEM data were copied from the SMARTem24 receiver to another computer using a USB memory stick. The full TEM waveform is recorded at a high sample rate for each individual stack, therefore extremely large data files are produced each day. Full waveform recording allows post-survey processing such as stacking and windowing of the secondary TEM data. For example, post-survey processing of full waveform data may include a selective stacking procedure to help eliminate noise or extracting the secondary response for an entirely different set of gate times than used during the original survey, or to obtain on-time or primary field data. This post survey processing is carried out using the EMIT SMARTem24 software.

The SMARTem24 software is also used to QC the readings at each station by examining the secondary decay plots for each component. Readings with decays that are not smoothly varying with time (e.g., due to rapid sensor movements and vibrations caused by wind) or lie significantly outside the range of a majority of decays at that station (i.e., outliers caused by rapid geomagnetic variations and pulsations) are deleted from the stack. The final edited data are then written to a final EMIT format TEM data files for each line surveyed.

Normalization

The data are automatically collected in pT/A. The conversion factors are set on the receiver prior to surveying based on the calibration values provided by the sensor manufacturer.

Profiles

The TEM data files are imported into EMIT's Maxwell, which is used to plot and model all types of EM data. Maxwell automatically reads header information from the TEM data files upon import, thus reducing human input, time and errors. Profiles for each line are created at an appropriate scale, limited by the page size. For each line three plots are created. Each plot displays a subset of the time gates (SMARTem24 standard gate times) for all three components, early-, mid, and late-time panels. Additionally, an extra top panel showing the primary field strength is displayed. Each panel displays a subset of time-gates, depending on the base frequency used, as linear or pseudo-logarithmic amplitude profiles of secondary data plotted in pT/A. All pertinent survey specifications are also displayed on the profile plots, transmitter loop size, transmitted current, turn-off ramp time, Slingram offset, etc. for each line. The gate times are referenced from the end of the turn-off ramp to the center of each window. The gate times are also listed in the header information of every TEM data file. The profile plots are shown in **Appendix C** through **L**.

Deliverables	A copy of this report, and all the data associated with the survey. Including: - *SMARTem24 project files* - *SMARTem24 .tem file for import into MAXWELL* - *Handheld GPS data in GPX and txt file formats* - *Profile plots of each line*

DISCUSSION

By using a central stationary transmitter and lead wires along the survey line, the current was optimized to grid size and line length. The helicopter would move the generator and Transmitter to a point midway between two lines for shorter lines or directly on the loop edge for the longer survey lines. Two lead lines were deployed from the transmitter site towards the loop with a maximum distance of 1km, the current was set to the maximum output of the farthest loop. The loopers would position their wires and then connect into the lead wires. For shorter lines the Tx was placed in between two sets of survey lines and allowed for two sets of lines to be acquired from one Tx site. For the longer lines the transmitter site was positioned along the loop edge and needed to be moved after completion of a set of lines.

The helicopter pilots were accommodating and helped by deploying some of the longer lead wires by using a side pull method. This method was used to deploy wires over the small lakes and up challenging terrain with minimal effort and maximized our survey time. The average amount of helicopter time was less than an hour for moving the three sling loads of Tx equipment, and a maximum fly time of 3 hours during the ~25km grid move to Frontier. There were rarely any conflicts with required moves and other helicopter operations and most resulted in more survey time.

As expected, the noise was higher in the swampy areas or when there was significant rain. Some lines were very difficult to get a solid plant for the sensor and often had greater noise levels from water moving near the sensor. This is unavoidable on some lines and something to be minimized during summer surveys. A portion of Beverly East L178-L180E was re-surveyed due to large noise from water movement and heavy geomagnetic noise during acquisition.

Unfortunately, there was the first aid injury that required a crew change at the end of July. Footing related injuries were the most prevalent during the summer and was a consistent topic at safety meetings. The nurse deemed the injury noncritical and allowed the crew member to stay on light duties. Later in the campaign the injury was aggravated, the nurse deemed it unsafe to have them in camp and we rotated out said crew member. Having the 9th crew member ensured a seamless continuation of surveying until his replacement arrived.

Despite some missed flights due to weather, the Amos office we were able to keep the Liquid Nitrogen supplied to camp with no interruption to the survey.

Overall, despite the various weather problems, challenging terrain and minor first aid measures the project was completed by the targeted date and with all initial priority 1 areas surveyed.

In future surveys the option of a mobile backpack transmitter may be considered as an alternative survey method for next years campaign. This would allow for increased production after completing a line, with a possible trade off in current or loop parameters. This would be more beneficial on the grids with more challenging terrain or for grids with shorter line lengths. The stationary transmitter and lead line method exceeds on longer grid lines in more open ground.

CERTIFICATE OF QUALIFICATIONS

Prepared By:

Alain Zubrzycki

BSc

Geophysics GPR international

Alain Zubrzycki

I, Alain Zubrzycki of the municipality of Valleyfield, in the province of Quebec, hereby certify as follows:

1. I am a Geophysicist with Geophysics GPR International with head office at 2545 rue De Lorimier, Longueil, QC. J4K 3P7.
2. I hold the following university degree: Bachelor of Science , Geophysics, University of Western Ontario, 1987. M.Sc. in Economics from U.Q.A.M. 1993
3. I have no direct interest in or the West Raglan Project or in the properties or claims that are the subject of this report, nor do I intend to have any direct interest.
4. I certify that the field work, the data acquisition, and the results presented in this report were all acquired according to state of the art practice for moving Loop TEM systems.

Dated at Longueil, in the Province of Québec, this 18th day of September 2021.

Alain Zubrzycki, B.Sc. M.Sc.
Member 899 of OGQ

APPENDIX A – INSTRUMENT SPECIFICATIONS

IPHT/SUPRACON HIGH TEMPERATURE "JESSY DEEP" SQUID SENSOR	
SPECIFICATIONS	
Measuring channels	1-channel vertical B-field, optional: horizontal B-fields (3-channels)
Bandwidth	dc ... 10 kHz flat frequency response
Field sensitivity	better than 50 fT/SQRT (Hz), 1/f cut-off frequency less than 10 Hz
Power supply	internal battery, 12 V/10 Ah, guaranteed 12 hours operating time
Output	Symmetric 50 Ohm with bananas connectors, (±1 V), asymmetric BNC (±10 V)
Cryogenics	liquid nitrogen, 24 h refilling interval
Total weight	cryostat (void) 8 kg, filled 10 kg, control unit inclusive cable 7 kg
Accessories	cable tester, analogue display, battery status indicator, filling level indicator (knive), nitrogen can, safety equipment
Operating conditions	-40 °C … 50 °C, max. 90 % moisture

ELECTROMAGMETIC IMAGING TECHNOLOGY (EMIT)

SMARTem24 ADVANCED GEOPHYSICAL RECEIVER SYSTEM

- 24-bit ADCs.
- Up to 16 input channels, each with ADC and amplifier.
- Up to 120,000 samples per second on each channel.
- Light-weight and rugged environmentally sealed operating temperature range -35°C to +50°C.
- +/-20V input range.
- Separate transmitter controller with GPS and crystal synchronization.
- Powerful signal processing.
- Full 24-bit time-series recording and playback.
- Tablet touch-screen and keyboard entry.
- Download data via USB or memory cards.
- Hot-swap internal batteries.
- EM, IP and other survey types.
- Controls a range of transmitters.
- Interface to any sensor, can provide power to sensor if required.
- Powerful GUI to display signals and data.
- Surveys can be planned in the office or in the field.
- Import and display base maps.
- Add notes and comments as you go.
- Monitor survey progress in plan-view.
- Display scope, decays, spectra, profiles, pseudo-sections and plan.
- Standard ASCII data file formats.
- Transmitter controller has optional recording of current waveform.

SPECIFICATIONS

- **Dimensions** : 310 mm x 290 mm x 120 mm
- **Weight**: 8 kg.
- **Input channels**: Up to 16.
- **Max input level**: +/- 20 V on gain 1; +/- 2 V on gain 10; +/- 0.2 V on gain 100.
- **Input impedance**: 10 MΩ.
- **Bandwidth**: Up to 60 kHz.
- **Sample rate**: 12.5 – 120 ksps per ADC.
- **Synchronization**: GPS, crystal, asynchronous.
- **Battery**: Dual 14.4 V Li Ion (hot swappable), external 12-28 V.
- **Battery life**: > 10 hrs (constant operation).
- **Operating system**: Windows 7.
- **Display**: 10.4" XGA 1000 nit daylight-readable colour LCD.
- **Interface inputs**: Touch, digitizer and active stylus screen, backlit QWERTY keypad, touchpad.
- **Data storage**: 160 GB HDD (or optional SSD), USB, SD and CF cards.
- **Transmitter control**: As per SMARTem24 Transmitter Controller.
- **Network**: Wireless

SMARTem24 Software

- One program for data acquisition and post-survey processing / analysis on the instrument itself or on other PCs.
- Display of scope, spectrum analyzer, plan profile, decay and pseudo-sections.
- Preference profiles saved for each user.
- Create custom displays with multiple panels, e.g. plan, profile and decay.
- Extensive on-line help.
- Survey planning utilities and functions.
- Powerful stacking, filtering, windowing and signal processing.
- Library of sensor types and appropriate data units to select.
- Raw, stacked and processed data files generated.
- Software and firmware updates can be easily performed by the user.
- Specialized functions written on request.

SMARTem24 Transmitter Controller

- **Synchronization**: GPS, crystal.
- **Transmitter Compatibility**: Geonics, Zonge, Phoenix, Crone and others.
- **Duty cycle**: 25%, 50%, 100%.
- **Base frequency**: 50 Hz and 60 Hz selections.
- **Transmitter current recording rate (optional)**: 12.5 – 120 ksps
- **Battery**: Li Ion (or external 12 V power supply)
- **Battery life**: > 12 hrs (constant operation)
- **Dimensions** : 310 mm x 260 mm x 135 mm
- **Weight**: 5 kg.

PHOENIX TXU-30 MULTI-FUNCTION GEOPHYSICAL CURRENT SOURCE

The most advanced controlled current source available for electrical methods exploration, the TXU-30 is compact and portable, combining power output (20kW) with great reliability, flexibility, and user-friendly operation.
Simplified MG Requirements: The new design eliminates dependence on specialized motor generators. Now, you can buy or rent a suitable MG from any convenient local supplier.
Advanced Controls: Advanced microprocessor control provides superior performance across the board. Large, bright LEDs display instrument status and critical values. Simple, straightforward controls make it easy to adjust all operating parameters within allowable limits.
Climate-Controlled Exploration: Use the cable-linked remote control panel to operate the TXU-30 from up to 30 m away. Manage your EM transmissions in the comfort of a heated or air-conditioned field truck cab.
High S/N Ratios – Precision Synchronization: In highly resistive areas in the past, users have relied on dangerously high voltages in an attempt to achieve an adequate signal-to-noise ratio at the receiver. The TXU-30's built-in GPS satellite-synchronized timing control, coupled with companion GPS-synchronized receivers, solves this problem. Because the entire system is synchronized, receivers can maintain proper registration while stacking even extremely week signals. The signals can be stacked as long as necessary until the S/N ratio is acceptable.
Wire or Wireless Data Links: The TXU-30 continuously saves time series records of its output current and voltage on a removable 512 MB flash memory card. This information, required for deconvolution calculations in Spectral IP, can be transmitted to a companion receiver system over either a wireless or an optional cable link. Alternatively, the data on the flash memory card can be uploaded to the post-processing computer via high-speed, low-cost interface.

SPECIFICATIONS

- **Dimensions & Weight, Transmitter**: 52cm W x 44.5 cm H x 60 cm D; 52.5 kg
- **Dimensions & Weight, Controller**: 47cm W x 15 cm H x 36.5 cm D; 6.5 kg
- **Environmental**: Operating: -20°C to 45°C; Storage: -35°C to 50°C
- **Maximum Power Output**: 30kW at 25°C, sea level
- **Duty Cycle**: 100%, 50%, 33%, 25%
- **Efficiency**: 90% at full power
- **Current Range**: 1-60A, 0.5-30A
- **Voltage Range**: 25-1000V
- **Input Voltage**: 200-240V at 50/60/400 Hz
- **Frequency Range**: 256 s to 9600Hz (Frequency Domain); 128 s to 30 Hz (Time Domain)
- **Timing Control**: GPS synchronized +/- 0.5 µs
- **User Interface**: Cable-connected control panel
- **Fault Protection**: Input voltage out of range; Output voltage out of range; Output current out of range; Power stack temperature high.

Gate	Standard SMARTem Gates			Maximum Frequency	
	Start	Centre	End		
1	0.087	0.100	0.112		
2	0.109	0.124	0.140		
3	0.135	0.154	0.173		
4	0.167	0.191	0.215	1000	Hz
5	0.208	0.238	0.267		
6	0.258	0.295	0.332	625	Hz
7	0.320	0.366	0.412		
8	0.398	0.455	0.511		
9	0.494	0.564	0.635		
10	0.613	0.701	0.788	277	Hz
11	0.761	0.870	0.978		
12	0.945	1.080	1.215		
13	1.173	1.340	1.508	150	Hz
14	1.456	1.664	1.872		
15	1.808	2.066	2.324	90	Hz
16	2.244	2.565	2.885		
17	2.786	3.184	3.582		
18	3.459	3.953	4.447		
19	4.294	4.908	5.521		
20	5.331	6.093	6.854	30	Hz
21	6.618	7.564	8.509		
22	8.217	9.391	10.564		
23	10.201	11.658	13.115	15	Hz
24	12.664	14.473	16.282		
25	15.722	17.968	20.214	10	Hz
26	19.519	22.307	25.095		
27	24.232	27.694	31.155	7.5	Hz
28	30.083	34.381	38.678	6	Hz
29	37.348	42.683	48.018	5	Hz
30	46.366	52.99	59.614	3.75	Hz
31	57.562	65.786	74.009	3	Hz
32	71.462	81.671	91.880	2.5	Hz
33	88.719	101.393	114.067	2	Hz
34	110.142	125.876	141.611	1.5	Hz
35	136.738	156.272	175.806		
36	169.757	194.008	218.259	1	Hz
37	210.749	240.856	270.963	0.8333	Hz
38	261.640	299.017	336.394	0.625	Hz
39	324.819	371.222	417.625	0.5	Hz
40	403.255	460.863	518.471		
41	500.631	572.149	643.668	0.3333	Hz
42	621.520	710.309	799.098		
43	771.602	881.831	992.060	0.25	Hz
44	957.924	1094.771	1231.617	0.2083	Hz
45	1189.239	1359.130	1529.021	0.1667	Hz
46	1476.410	1687.326	1898.241	0.125	Hz
47	1832.926	2094.773	2356.619		
48	2275.531	2600.607	2925.682	0.0833	Hz
49	2825.014	3228.588	3632.161		
50	3507.184	4008.210	4509.236	0.04	Hz

APPENDIX B – PRODUCTION NOTES

Orford - West Raglan MLTEM 2021
Daily Production Notes

Crew List:
Drew Blakley – Crew Chief (05th July 2021– 29th August 2021)
Joey Cook – Operator (05th July 2021– 29th August 20211)
Cole Smytaniuk – Operator (05th July 2021– 29th August 2021)
Mohamed Haiba – Operator (05th July 2021– 29th August 2021)
Stan Mackenzie – Field Assistant (08th July 2021– 29th August 2021)
Don Lariviere– Field Assistant (08th July 2021– 29th August 2021)
Dagan McKenzie– Field Assistant (08th July 2021– 29th August 2021)
Olushola Oni– Field Assistant (15th July 2021– 29th August 2021)
Kelvin Lindskog– Field Assistant (08th July 2021–29th July 2021)
Myles Ratt - Field Assistant (29th July 2021- 29th August 2021)

Jul 7, 2021
Client Mandated training - Camp Training and Orientation at the Orford Offices in Amos, QC.

Jul 8, 2021
7:00am - Meet and load up at Orford Offices, depart for Rouyn-Noranda Airport
9:00am - Depart Rouyn Noranda for Puvirnituq, QC
1:30pm - Arrive at Puvirnituq airport
3:00pm - Depart Puvirnituq for Chukotat camp, low fog rolls in and pilots turn back
5:30pm - Arrive at Puvirnituq and spend the night in Puvirnituq airport to try again in the morning.

Jul 9, 2021
Delayed in Puvirnituq, QC due to low fog

Jul 10, 2021
Preparation and organization of equipment. Tested SQUIDS and Tx. Flyover of Boomerang grid to pick Tx location.

Jul 11, 2021
6:00am -Toolbox meeting
7:00am -Depart for Boomerang
7:30am -Arrive on grid and deploy wire with Helicopter.
8:15 - Setup Rx and Tx.
10:00am – Begin Rx testing for parameters
12:00pm – Survey L165E,166E, 167E @ 0.25Hz, 53A
4:15pm – Complete last reading, pack up Rx and Tx
4:45pm – Helicopter pickup
MLEM: Station 6350N to 6550N, Line coverage = 200m x 3 SQUIDs = 600m
Slingram: Station 6550N to 6750N, Line coverage = 200m x 3 SQUIDs = 600m

Jul 12, 2021
7:00am -Depart for Boomerang
7:20am – Rx and Tx setup
7:50am - Survey L165E,166E, 167E @ 0.25Hz, 53A

1:15pm – Complete lines. Wind was topping 45km/hr. Prepare Tx for bump to Tx2
1:25pm – Move Tx to Tx2,
2:15pm - Wind speeds above 45km gusts. Survey shut down for Sensor safety
2:30pm – Crew arrives at Chukotat
7:30pm – Camp meeting

Repeat Station CL: 6550N
Repeat Station SR: 6750N

MLEM: Station 6600N to 6800N, Line coverage = 200m x 3 SQUIDs = **600m**
Slingram L165: Station 68000N to 7000N, Line coverage = 200m
Slingram L166: Station 68000N to 6900N, Line coverage = 100m
Slingram L167: Station 68000N to 6900N, Line coverage = 100m
Total Slingram coverage = **500m**

Tuesday, Jul 13, 2021

7:00am – Depart for Boomerang
7:20am -Arrive on grid, Tx setup, move loop to repeat station
8:00am – Repeat CL station L165/166/167E 6450N, 0.25Hz, 53A
8:30am – Begin surveying L168/L169/170E 6800N, 0.25Hz, 50A
9:35am – Lightning and thunder on grid, standby until half hour after last strike
11:30am – Resume surveying
2:05pm – Crew member injured while pulling wire over snowbank, stop production and perform first aid
2:15pm – Call camp Chukotat and inform them of medical incident
2:30pm – Investigated scene, resumed production.
3:00pm – Call nurse for secondary update, no available helicopter rides due to fog and rain, standby for further updates. Begin setting up survival shelters.
5:00pm – Finish surveying, L168/L169/170E, shut down Tx and prepare for night on grid
7:05pm – Fog lifted, helicopter pickup from camp Boomerang
7:15pm – Arrive at Camp Chukotat

MLEM: Station 6800N to 6550N, Line coverage =250m x 3 SQUIDs = **750m**
Slingram L168: Station 6850N to 6800N, Line coverage = 50m
Slingram L169: Station 6850N to 6800N, Line coverage = 50m
Slingram L170: Station 6850N to 6800N, Line coverage = 50m
Total Slingram coverage = **150m**

Jul 14, 2021

8:00am – Depart for Boomerang
8:15am – Flyover grid and assess the weather, low cloud cover. Crew chief deemed it unsafe to proceed until weather improves. Survival kit not resupplied yet and no other crews departing for grid yet. Standby at Camp Chukotat until weather clears.
9:35am – Depart for Boomerang, conditions sufficient to survey.
9:45am – Toolbox meeting, Tx setup, Dismantle Boomerang camp
10:00am – Begin surveying L168/169/170E CL:6500N, SR:6700N
3:15pm – Complete lines, pack up Tx and prepare for Tx move
3:30pm -Move to Tx3 [L170E6550N]
4:05pm – Depart Boomerang
4:15pm - Arrive at Camp Chukotat

MLEM: Station 6500N to 6350N, Line coverage =150m x 3 SQUIDs = 450**m**
Slingram L168: Station 6700N to 6550N, Line coverage = 150m
Slingram L169: Station 6700N to 6550N, Line coverage = 150m
Slingram L170: Station 6700N to 6550N, Line coverage = 150m

Total Slingram coverage = **450m**

Jul 15, 2021

7:00am – Helicopter orientation with the new pilot
7:30am – Depart for Boomerang
8:00am – Toolbox meeting, Tx and grid orientation for Olushola Oni
8:35am – Begin surveying L171/172/173E @ 0.25Hz, 50A
5:10pm - Arrive at Camp Chukotat

MLEM: Station 6350N to 6750N, Line coverage =400m x 3 SQUIDs = 1**.2km**
Slingram L171: Station 6550N to 6850N, Line coverage = 300m
Slingram L172: Station 6550N to 6850N, Line coverage = 300m
Slingram L173: Station 6550N to 6850N, Line coverage = 300m
Total Slingram coverage = **0.9km**

Jul 16, 2021

7:00am -Depart for Boomerang
7:10am – Arrive on site, prepare nets for Tx move to L173E6550N
7:30am -Tx move to Tx4, 3 nets of equipment and Winco
8:00am - Deploy leads and redeploy loop
9:00am – Begin Surveying L174/175/176E Southwards
3:00pm – Complete Lines, pack up Tx. Reel in loops and leads
3:35pm- Helicopter pickup from Boomerang
3:45pm – Arrive back in camp

MLEM: Station 6350N to 6750N, Line coverage =400m x 3 SQUIDs = 1**.2km**
Slingram L174: Station 6550N to 6850N, Line coverage = 300m
Slingram L175: Station 6550N to 6850N, Line coverage = 300m
Slingram L176: Station 6550N to 6800N, Line coverage = 250m
Total Slingram coverage = **0.85km**

Jul 17, 2021

7:00am – Crew 1 departs for Frontier West to receive sling loads at Tx5. Crew 2 departs for Boomerang to sling equipment to new grid 27km away. 1 generator, 1 large net, 1 small net
9:00am – Crew 2 is picked up from Boomerang and transported to Frontier west.
9:15am – Toolbox meeting for new grid. Set up loop and leads.
10:50am – Begin Surveying L4442/4443/4444E from 2400N northwards.
12:30pm – Weather report from camp, early shut down for all crews due to inclement weather.
1:00pm - Complete survey at station 2500N, safety debriefing about grid
1:30pm – Crews arrive back at Chukotat

Jul 18, 2021

Standby due to rain and high winds. Deemed unsafe to send crews out to grids.
Olushola Oni arrives in camp

Monday, Jul 19, 2021

7:00am - Standby due to rain and high winds.
9:30am - Attempted to reach the grid. Pilot deemed it unsafe
10:30am -Arrive at Frontier West
10:45am –Begin surveying L4428/4429/4430E from 2550N northwards
4:15am – Finish surveying up to 2850N
4:30pm – 1st flight back to Camp Chukotat
4:45pm – 2nd flight back to Camp Chukotat

Tuesday, Jul 20, 2021

7:30am – Depart for Frontier West
7:45am – Safety meeting, generator maintenance
8:00am – Repeat station 2850N, begin surveying L4428/4429/4430E 2900N, 0.25Hz, 45A surveying northwards
10:30am – Complete lines L4428/4429/4430E to 3050N, move loop, spin on and redeploy leads,
11:30am – Begin surveying L4431/4432/4433E, @0.25Hz, 45A from 3050N surveying southwards
12:15pm – RxB-JD4.13.3 began having problems on station L4432E3000N, readings were deteriorating from lack of Nitrogen. Similar reading problems were noticed at the end of day. I.e. Failing to heat, battery light still green or yellow.
12:30pm – Crew chief departs for camp to refill SQUID 4.13.3, RxA operator assists RxB operator and takes a reading with JD413 on station 3000 to assess ground response, determined to be low signal area near a cliff.
12:40pm – JD4.13.3 returns and takes readings. JD 413 is taken back to L4431E3000N to complete his station.
2:30pm – Battery on JD4.13.3 controller dies. Alternate JD433 between Lines L4432/4433E
4:00pm – Complete lines to 2800N
4:30pm – 1st crew back to Chukotat
4:40pm – 2nd crew back to Chukotat

Wednesday, Jul 21, 2021

7:00am – Low fog and rain, standby until the weather clears up
9:30am – Depart for Frontier West
9:45am – Arrive at Tx, safety toolbox meeting
10:00am – Repeat station 2800N
10:30am – Resume surveying L4431/4432/4433E 2750N southwards
1:30pm – JD4.13.3 required refill
4:50pm – Complete surveying Lines to 2350N
5:05pm – 1st crew back to Chukotat
5:15pm - 2nd crew back to Chukotat

Thursday, Jul 22, 2021

7:00am – Depart for Frontier West
7:15am – 1st crew arrives on grid, picks up Wind boxes and gets dropped off at Rx locations
7:30am - Second crew arrives and loads nets for Tx moves
8:00am – Sling equipment to Tx7 and deploy the leads by helicopter
8:30am – Begin surveying L4434/4435/4436E 2650N northwards, 0.25Hz, 50A. Station 2650N was surveyed on loop 36 to get as close to southern cliff as possible.
2:30pm – Complete Lines, check-in with camp. Determined that there was time for a quick Tx move before other crews are retrieved from the field. Begin packing up Tx and retrieving Loops and leads.
2:45pm – BA+ begins moving equipment to Tx7
3:25pm – Tx moves complete
3:35pm – 1st crew back to Chukotat
3:45pm - 2nd crew back to Chukotat

Friday, Jul 23, 2021

7:30am – Arrive at Frontier East
7:45am – Toolbox safety meeting, deploy leads, set up Rx and Tx
8:45am – Begin Surveying L4442/4443/4444E, 0.25Hz, 46A from 3300N surveying southwards
9:45am – Refill JD4.13.3
11:30am – Refill JD4.13.3 and JD433, bad ground signal

2:30pm -JD4.13.3 stations taken with JD413, from S2900N-2700N
4:50pm - Complete survey lines to 2700N, pack up Rx and Tx, move loop to next set of Frontier East Lines
5:35pm – 1st crew back to Chukotat
5:45pm - 2nd crew back to Chukotat

Saturday, Jul 24, 2021
Rain and fog. Helicopter is grounded for the day

Sunday, Jul 25, 2021
11:05am – Depart for Frontier East
11:20am – Toolbox meeting, deploy southern leads, setup Rx and Tx
12:15pm – Begin surveying L4445/4446/4447E, 0.25Hz, 45A, station 2900N surveying southwards
4:50pm – Complete lines to 3300N
5:00pm – Pack up Rx and Tx, prepare for sling loads to Tx7, move loop over to Redline grid
5:40pm - 1st crew back to Chukotat
5:50pm - 2nd crew back to Chukotat

Monday, Jul 26, 2021
11:15am – Depart for Frontier/Redline
11:30am – Prepare for sling loads from Tx5 to Tx7
12:05pm – Complete sling loads, deploy leads, set up Rx and Tx
12:35pm – Begin Surveying L4453/4454/4455E from 3500N, 0.25Hz, 45A
5:05pm – Complete Lines to 3100N, move loop over to next set of lines and deploy leads
5:35pm – Deemed to dangerous to continue surveying, shut down for the day
5:45pm - 1st crew back to Chukotat
5:55pm - 2nd crew back to Chukotat
6:45pm – Camp safety meeting

Tuesday, Jul 27, 2021
7:10am – Depart for Redline
7:30am – Setup Rx and Tx
8:00am – Begin surveying L4456/4457/4458E from 3150N
1:50pm – Complete surveying at 3550N
2:00pm – Pack up Tx and Rx, prepare for sling loads to Beverly Central grid
2:35pm – Send 1st crew to Beverly to receive sling loads
3:30pm – Begin deploying leads and Loop
3:45pm – Both crews back at camp Chukotat
4:20pm – Generator Maintenance/ Equipment upkeep

Wednesday, Jul 28, 2021
6:30am – 1st crew departs for Beverly Central
7:00am – 2nd Crew departs for Beverly Central
7:30am – Sling in Winco and setup Rx and Tx
8:00am – Winco key left at camp, troubleshoot until it arrives
9:30am – Begin surveying L154/155/156E from Station 8500N at 0.25Hz, 30A
11:00am – Space weather, high frequency noise, levelled out gradually
5:30pm – Complete Lines at station 9250N, pack up Rx and Tx
5:40pm – 1st Crew back at camp Chukotat
5:50pm – 2nd crew back at camp Chukotat

Thursday, Jul 29, 2021
7:05am – 1st crew departs for Beverly Central
7:05am – 2nd Crew departs for Beverly Central
7:15am – Setup Rx and Tx
7:35am – Begin Surveying L154/155/156E from Station 9300N at 0.25Hz, 30A
2:15pm – Complete Lines to 10000N
2:20pm – Sling Generator and Phoenix to Tx9, carry all other equipment to new Tx due to limited Helicopter time. Conflicting times with planes arrival
2:40pm – Reel in and redeploy leads, transpose loops to next Rx lines
4:15pm – Set up Rx and Tx
4:40pm – Begin Surveying L157/158/159E from Station 10000N at 0.25Hz, 30A. Surveying southwards
6:10pm – Complete Surveying at Station 9000N
6:15pm – Pack up Rx and Tx, wait for helicopter ride
6:45pm –1st Crew back at camp Chukotat
7:00pm – 2nd crew back at camp Chukotat
Kelvin Lindskog out, Myles Ratt in

Friday, Jul 30, 2021
7:00am – 1st crew departs for Beverly Central
7:00am – Myles Ratt receives B3 helicopter orientation
7:10am – 2nd crew departs for Beverly Central
7:15am – Setup Rx and Tx
7:35am – Begin Surveying L157/158/159E from Station 9850N at 0.25Hz, 30A
5:30pm – Complete Surveying at Station 8700N
5:40pm – Pack up Rx and Tx
5:45pm –1st Crew back at camp Chukotat
6:00pm – 2nd crew back at camp Chukotat

Saturday, Jul 31, 2021
7:00am – Both crews depart for Beverly Central
7:30am – Begin Surveying L157/158/159E from station 8650N
9:05am - Complete lines to station 8500N, transpose loops and Rx to new lines, pack up Tx
9:30am – Helicopter arrives for Tx bump from Tx9 to Tx10, deploys leads for L159E
10:15am – Finished with helicopter, send back secondary Winco
10:30am - Setup Tx with primary generator, move crew back into position
11:10am – Begin surveying L160/161/162E from station 8500N at 0.25Hz at 40A
5:00pm – Finish surveying at station 9250N
5:05pm –1st Crew back at camp Chukotat
5:45pm – 2nd crew back at camp Chukotat

Sunday, Aug 1, 2021
7:00am – Both crews depart for Beverly Central
7:40am – Begin Surveying L160/161/162E from station 9300N, 0.25Hz, 30A
1:15pm – Complete Lines to station 10000N, wrap up loops and leads and prepare for Tx move
2:00pm – Helicopter arrives and begins moving equipment to Tx11 on Beverly West
2:40pm – Helicopter departs, deploy loops and leads, setup Rx and Tx
3:30pm – Begin surveying L121/122/123E from station 9200N at 0.25Hz, 45A, sling ram, North offset 100m
4:50pm – Complete lines at station 9400N, pack up Tx and Rx
5:05pm – Depart for Camp
5:15pm – Both teams back at camp Chukotat

Monday, Aug 2, 2021
7:00am – Both crews depart for Beverly West
7:35am – Repeat station
7:53am – Begin surveying L121/122/123E from station 9250N, 0.25Hz, 45A
11:55am – Complete Lines at Station 9900N. Move loops, reel in and redeploy leads
12:43pm – Begin surveying L124/125/126E from station 9800N, 0.25Hz, 45A, surveying southwards
4:40pm – Complete surveying at station 9400N
4:50pm –1st Crew back at camp Chukotat
5:00pm – 2nd crew back at camp Chukotat

Tuesday, Aug 3, 2021
7:00am – Both crews depart for Beverly West
7:15am – Safety Toolbox meeting, revised risk assessment of grid
7:45am – Space weather raw reading for assessing Active day, set up Rx and Tx
8:10am – Begin surveying L124/125/126E from station 9350N 0.25Hz, 45A, surveying southwards
10:15am – Complete lines at station 9000N, pack up Tx, reel in leads,
10:35am – Begin helicopter move, deploy north leads with side pull
11:00am - Move loop over, set up Rx, deploy southern leads
11:30am – Generator Maintenance
12:05pm – Begin Surveying L127/128/129E from station 9300N, 0.25Hz, 42A, surveying northwards
4:10pm – Complete surveying Lines to 9850N
4:30pm – Pack up Rx and Tx
5:20pm – 1st Crew back at camp Chukotat
5:350pm – 2nd crew back at camp Chukotat

Wednesday, Aug 4, 2021
7:00am – Helicopter delays
7:25am – 1st crew departs for Beverly West
7:30am – 2nd crew departs for Beverly West
8:05am - Begin Surveying L130/131/132E from station 9200N, 0.25Hz, 43A, surveying northwards
1:15pm –Complete surveying lines to 9750N
1:30pm – Pack up Rx and Tx, reel in leads
1:40pm - Wind gusts increase, deemed unsafe for sensors
1:50pm –1st Crew back at camp Chukotat
2:00pm – 2nd crew back at camp Chukotat

Thursday, Aug 5, 2021
70-80km/hr wind gusts, deemed unsafe for sensors to survey.

Friday, Aug 6, 2021
7:00am – Low clouds and fog, standby for better weather
8:30am – Both crews depart for Beverly West, move loop to new lines
9:00am – Ready for survey, wait for helicopter for move to Tx13
9:30am – BA+ arrives, begin move
10:00am – Complete move, set up Rx and Tx
10:20am – Begin surveying L133/134/135E from 9200N, 0.25Hz, 45A, surveying northwards
3:18pm – Complete lines to 9750N
3:20pm – Move loop, reel in, and redeploy leads
4:05pm – Begin surveying L136/137/138E from 9750N, 0.25Hz, 45A, surveying southwards
5:05pm – Complete lines to 7650N
5:20pm – Both crews back at camp Chukotat

Saturday, Aug 7, 2021
7:10am – Both crews depart for Beverly West
7:40am – Begin surveying L136/137/138E from 9600N, 0.25Hz, 45A, surveying southwards
11:15am – Complete lines at 9200N, reel in leads and pack up Tx and Rx
11:20am – Helicopter bump to Tx14
11:50am – Finish with helicopter, deploy leads, move loop and Rx
12:15pm – Begin surveying L139/140/141E at 9200N, 0.25Hz, 45A, surveying northwards
3:30pm – Complete Lines at 9650N
3:40pm –1st Crew back at camp Chukotat
2:00pm – 2nd crew back at camp Chukotat

Sunday, Aug 8, 2021
7:00am – Both crews depart for Beverly West
7:10am – Reel in and redeploy new leads, move loops and setup Rx and Tx
8:05am – Begin surveying L142/143/144E at 9650N, 0.25Hz, 45A
11:30am – Complete lines at 9200N, pack up Rx and Tx, move loop down to new lines
11:40am – Helicopter bump to Tx15
12:05pm – Helicopter move complete, deemed to windy to deploy leads with helicopter or to survey
12:15pm – 1st Crew back at camp Chukotat
12:30pm – 2nd crew back at camp Chukotat

Monday, Aug 9, 2021
Standby for heavy rains and fatigue management

Tuesday, Aug 10, 2021
7:00am – Standby for heavy rains
9:30am – Crews arrive at Beverly West, setup Rx and Tx
9:50am – Begin surveying L145/146/147E at 8500N, 0.25Hz, 40A, surveying northwards
2:55am – Complete lines up to 9100N. Reached edge of cliff, move loop to new lines
3:40pm – Begin surveying L148/149/150E at 9050N, 0.25Hz, 40A, surveying southwards
4:55pm – Complete surveying at 8900N, pack up Rx and Tx
5:05pm – 1st Crew back at camp Chukotat
5:20pm – 2nd crew back at camp Chukotat

Wednesday, Aug 11, 2021
7:05am – Both crews depart for Beverly West
7:40am – Begin surveying L148/149/150E at 8800N, 0.25Hz, 40A, surveying southwards
11:00am – Complete lines to 8500N, reel in leads and loops, prepare for Tx bump down into the valley
11:15am – BA+ arrives, begin moving equipment and crew into valley
12:20pm – BA+ departs, deploy loops, setup Rx and Tx
1:10pm – Begin surveying L145/146/147E at 9200N, 0.25Hz, 40A. Coverage over cliff is made up with in loop readings.
3:00pm – Winds gusts over 65km/hr, standby for sensor safety. Lines surveyed to 9450N
3:35pm - 1st Crew back at camp Chukotat
4:00pm - 2nd crew back at camp Chukotat

Thursday, Aug 12, 2021
7:00am – Lightning forecast on grid, all crews to stay in camp. Standby

Friday, Aug 13, 2021
7:00am – Standby until helicopter pilot deems safe to fly to grid.

9:00am – BA+ tries to bring geologists to their grid and assess the flight path to Beverly
10:45am – No crews sent out to grid. Standby

Saturday, Aug 14, 2021
7:00am – Standby for low fog, flight to the drillers could not make it
7:30am – Prep, wrap, and weigh supplementary equipment to be sent back to Amos QC on todays flight.

Sunday, Aug 15, 2021
7:05am –1st crew departs for Beverly West
7:15am –2nd crew departs for Beverly West
7:40am – Begin surveying L145/146/147E at 9500N, 0.25Hz, 40A, surveying northwards
10:30am – Complete lines to 9650N, redeploy leads and loops
11:15am – Begin surveying L148/149/150E at 9650N, 0.25Hz, 40A, surveying southwards
2:38pm – Complete lines to 9150N, redeploy leads and loops
3:10pm – Begin surveying L151/152/153E at 9100N
5:00pm – Complete lines to 9350N, pack up Rx and Tx
5:10pm - 1st Crew back at camp Chukotat
5:25pm - 2nd crew back at camp Chukotat

Monday, Aug 16, 2021
7:00am – Standby for low fog, flight to the drillers could not make it
7:30am – Prep, wrap, and weigh supplementary equipment to be sent back to Amos QC on todays flight.

Tuesday, Aug 17, 2021
7:00am – Standby for low fog it
1:30pm – Attempt to fly to grid, turned back due to low fog
3:45pm - Attempt to fly to grid, turned back due to low fog

Wednesday, Aug 18, 2021
7:05am – 1st crew departs for Beverly West
7:15am – 2nd crew departs for Beverly West
7:50am – Begin surveying L151/152/153E at 9400N, 0.25Hz, 40A
11:10am – Completed north portion of lines at 9700N
11:30am – Helicopter Tx bump to southern portion of lines
1:25pm – Begin surveying southern portion of lines at 8500N, 0.25Hz, 40A
4:00pm – Complete lines to 8850N, pack up Tx and Rx, reel in leads and loops
4:15pm – Helicopter Tx bump to Beverly East in preparation for tomorrow
4:30pm – 1st crew back to Chukotat
4:45pm – 2nd crew back to Chukotat

Thursday, Aug 19, 2021
7:00am – Standby due to low clouds
8:05am – Both crews depart for Beverly West
8:30am – Begin surveying L163/164/165E at 9850N, 0.25Hz, 40A
3:10pm – Complete Lines to 9100N, move loop over
3:35pm – Begin surveying L166/167/168E at 9250N, 0.25Hz, 45A
4:30pm – Helicopters will be delayed on way back from PUV
6:25pm – Finish surveying at 9450N, pack up Rx and Tx
6:40pm – 1st crew back to Chukotat
6:50pm – 2nd crew back to Chukotat

Friday, Aug 20, 2021
7:00am – Standby due to low clouds
7:40pm – Begin surveying L166/167/168E at 9500N, 0.25Hz, 45A, surveying northwards
10:45pm – Complete Lines to 9850A, move loops and Rx
11:10am – Begin surveying L169/170/171E at 9850N, 0.25Hz, 45A, surveying southwards
4:40pm – Complete lines to 9150N, pack up Rx and Tx, move loop to next lines.
5:05pm – 1st crew back to Chukotat
5:15pm – 2nd crew back to Chukotat

Saturday, Aug 21, 2021
7:00am – 1st crew depart for Beverly East
7:15am – 2nd crew depart for Beverly East
8:00am – Deploy leads to new lines
8:30am – Begin surveying L172/173/174E at 9350N, 0.25Hz, 43A, surveying northward
1:05pm – Complete lines to 9850N, reel in leads, move Rx, loop and Tx
2:30pm – Begin surveying L175/176/177E at 9850N, 0.25Hz, 40A, surveying southward
4:50pm – Complete lines to 9700N, pack up Rx and Tx
5:00pm – 1st crew back to Chukotat
5:10pm – 2nd crew back to Chukotat

Sunday, Aug 22, 2021
Standby for bad weather day. High winds all day with thunderstorms around noon

Monday, Aug 23, 2021
Standby for bad weather day. High winds

Tuesday, Aug 24, 2021
7:00am – Standby for low rain and fog
8:10am - 1st crew depart for Beverly East
8:15am – 2nd crew depart for Beverly East
8:30am – Begin surveying L175/176/177E at 9650N, 0.25Hz, 40A, surveying southward
12:50pm – Complete lines to 9300N, reel in leads, move Rx, loop
1:30pm – Begin surveying L178/179/180E at 9300N, 0.25Hz, 40A, surveying northward
3:30pm – Complete lines to 9500N, rain and winds causing high noise in sensors, pack up Rx and Tx
3:45pm – 1st crew back to Chukotat
3:55pm – 2nd crew back to Chukotat

Wednesday, Aug 25, 2021
7:05am - 1st crew depart for Beverly East
7:15am – 2nd crew depart for Beverly East
7:30am – Begin surveying L178/179/180E from station 9400N, 0.25Hz, 40A, surveying northwards.
Stations 9400N,9450N,9500N repeated due to high wind and water noise on previous days data.
10:25am – Complete Lines to 9700N, move Rx and loop to next lines
10:45am – Begin surveying L181/182/183E from station 9700N, 0.25Hz, 40A, surveying southwards
2:15pm – Complete lines to 9300N
2:20pm -Pack up Rx and Tx for tomorrows Tx move
3:15pm – 1st crew back to Chukotat
3:30pm – 2nd crew back to Chukotat

Thursday, Aug 26, 2021
7:00am – Standby for low fog

11:10am - 1st crew depart for Beverly East
11:30am – 2nd crew depart for Beverly East
11:40am – Tx bump to Tx3, move loop to new lines, deploy leads
12:35pm – Begin surveying L190/191/192E from station 9650N, 0.25Hz, 40A, surveying southwards
5:15pm – Complete lines to 9050N
5:25pm – 1st crew back to Chukotat
5:45pm – 2nd crew back to Chukotat

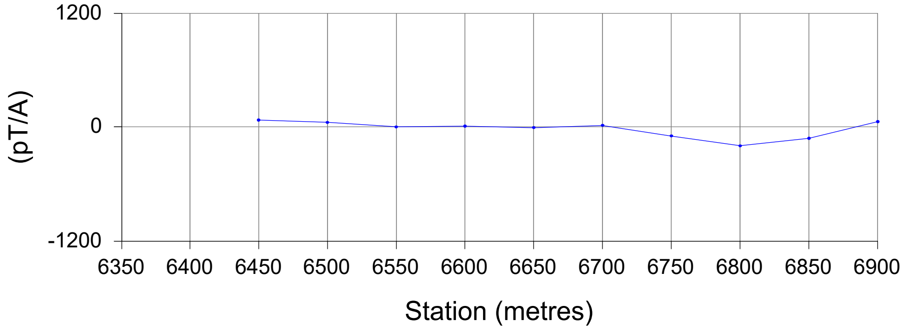
Friday, Aug 27, 2021
7:00am – Standby for low fog
9:05am - 1st crew depart for Beverly East
9:20am – 2nd crew depart for Beverly East
9:30am - Begin surveying L190/191/192E from station 9000N, 0.25Hz, 40A, surveying southwards
12:05pm – Space weather increases significantly
4:35pm – Complete lines to 8350N, pack up Rx, Tx, reel in leads
5:05pm – 1st crew back to Chukotat
5:25pm – 2nd crew back to Chukotat

Saturday, Aug 28, 2021
Drain, pack, and label all equipment for Demob.

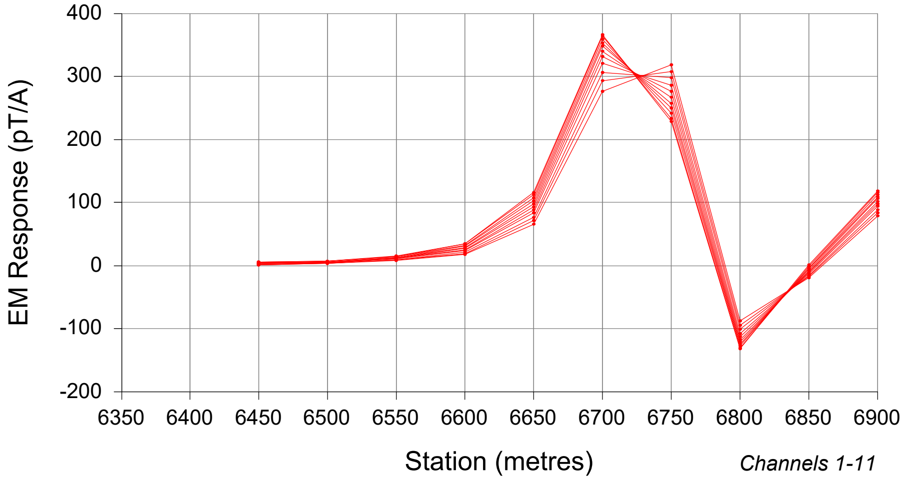
Sunday, Aug 29, 2021
12:00pm - Depart for airstrip
6:00pm – Depart for Puvirnituq QC by charter
10:30pm -Arrive in Rouyn-Noranda

APPENDIX C – BOOMERANG SLINGRAM MLTEM PROFILE PLOTS

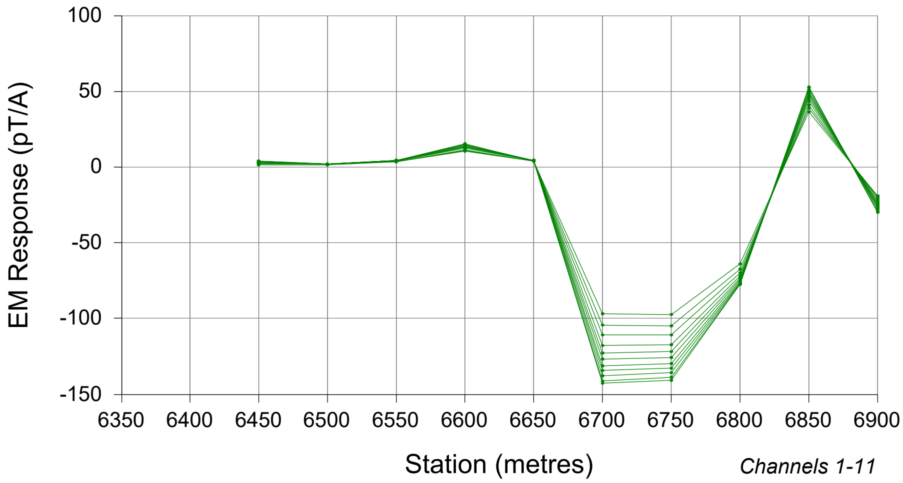
X Primary Field



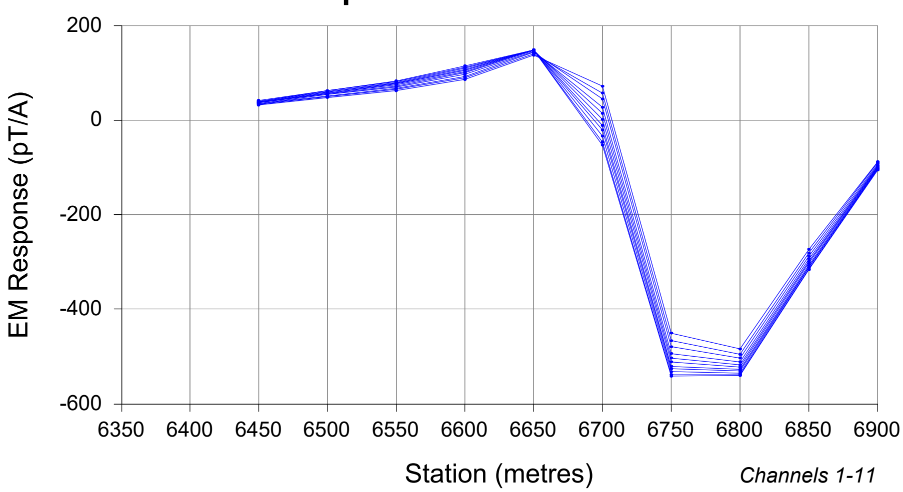
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

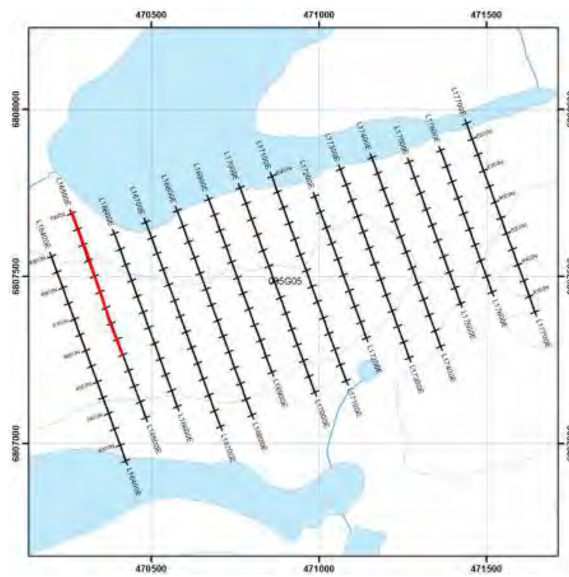
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

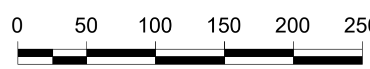
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

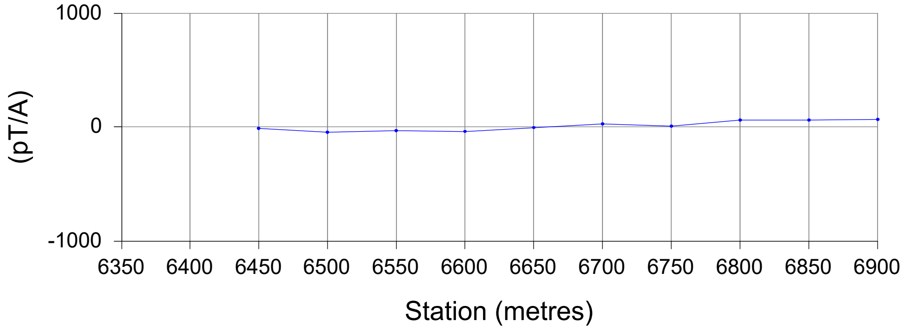
Line 16500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

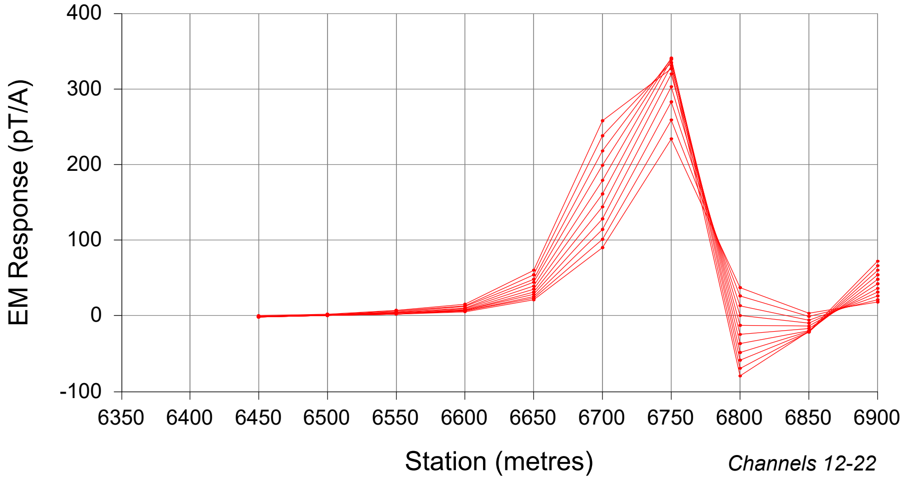
Discovery International Geophysics

3275 Miners Avenue
Saskatoon, SK, S7K 7Z1
www.discogeo.com

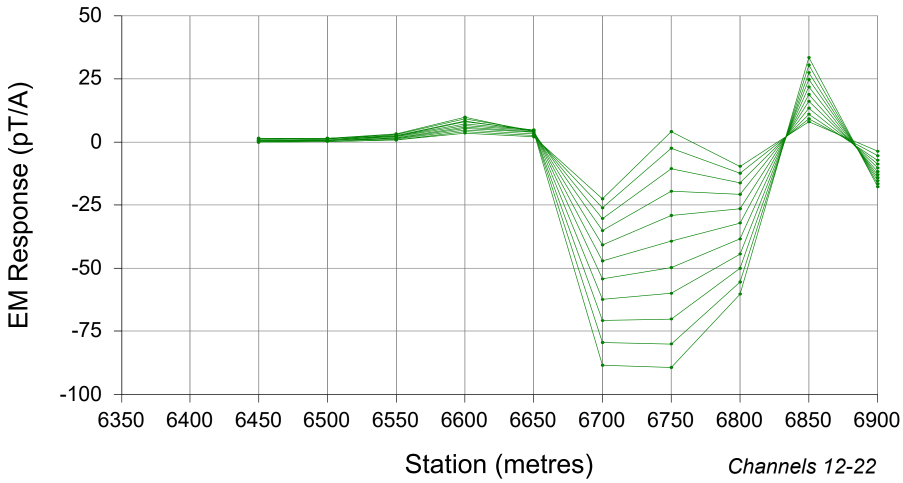
Y Primary Field



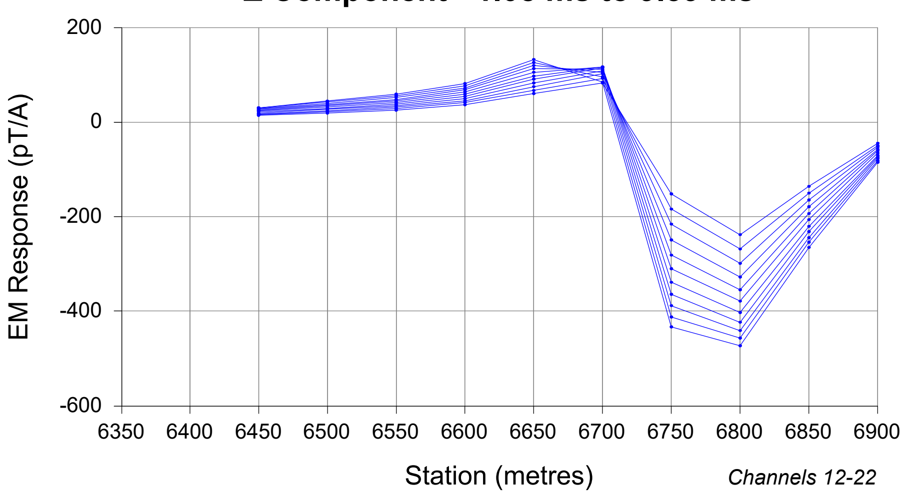
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

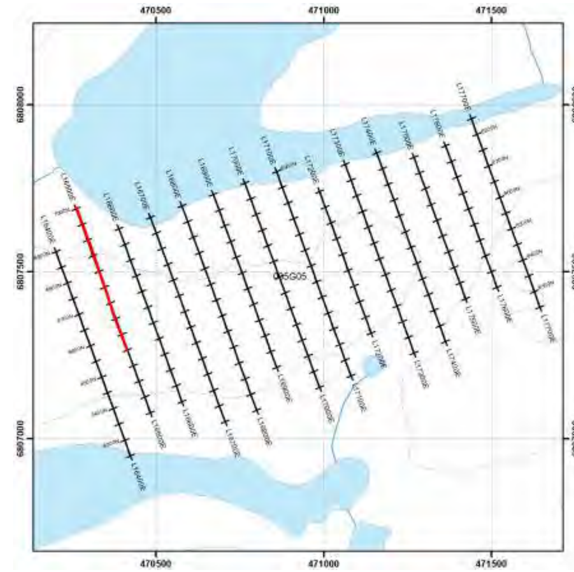
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

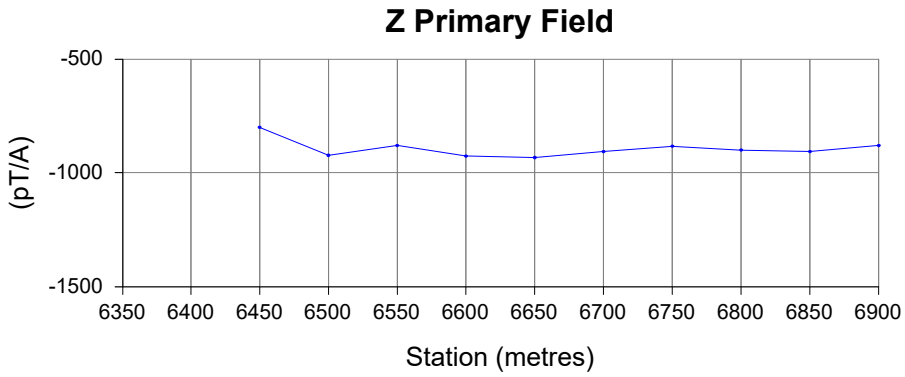
Scale 1:5500

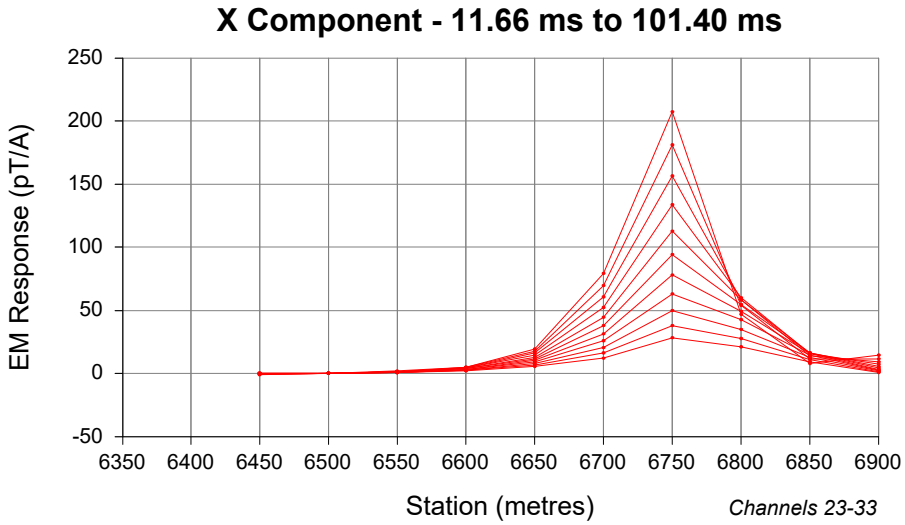
Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

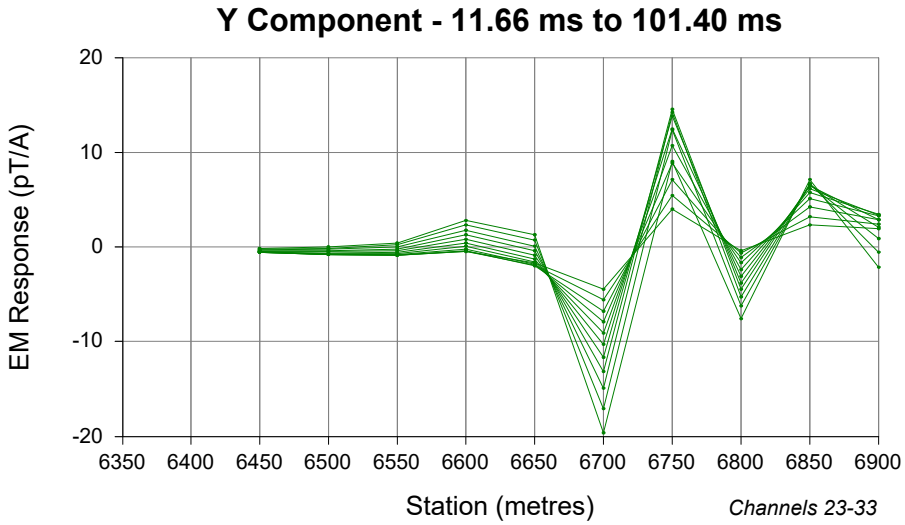
Line 16500E

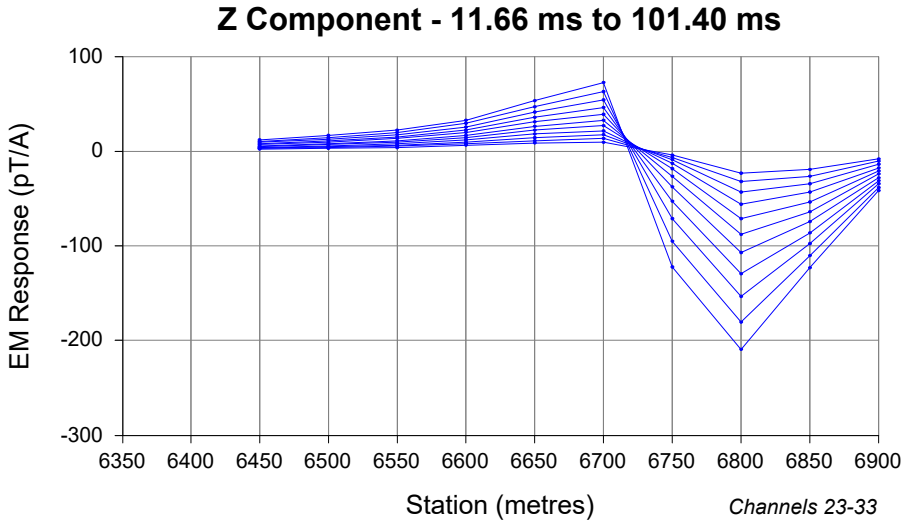
Surveyed By: Mohamed Haiba
Survey Date: July 2021

Discovery International Geophysics
3275 Miners Avenue
Saskatoon, SK, S7K 7Z1
www.discogeo.com









SURVEY PARAMETERS

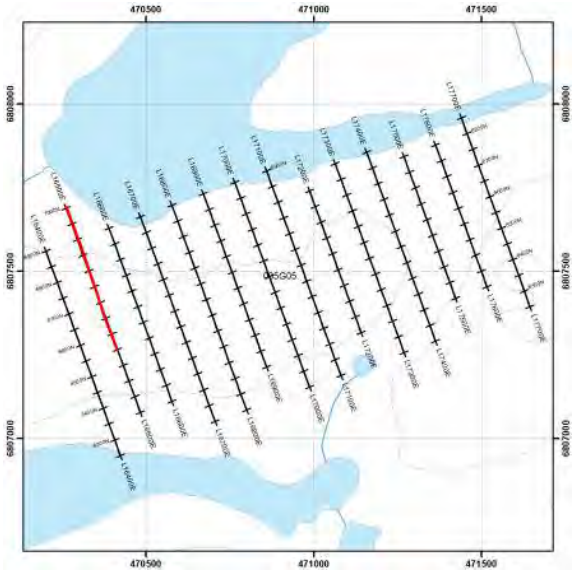
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



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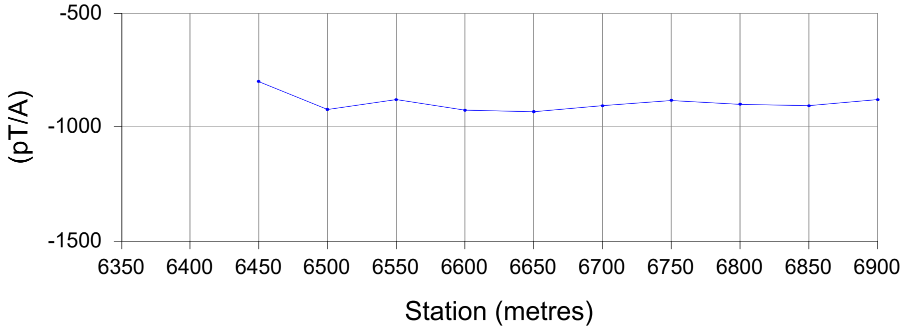
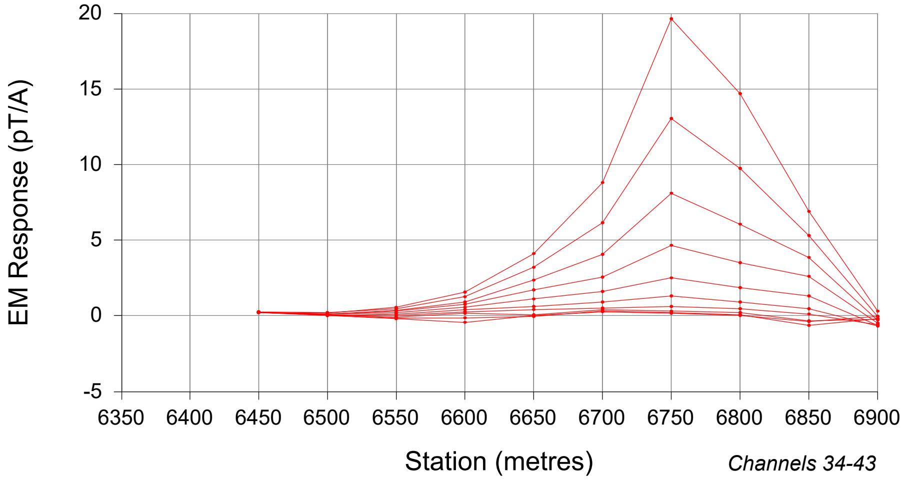
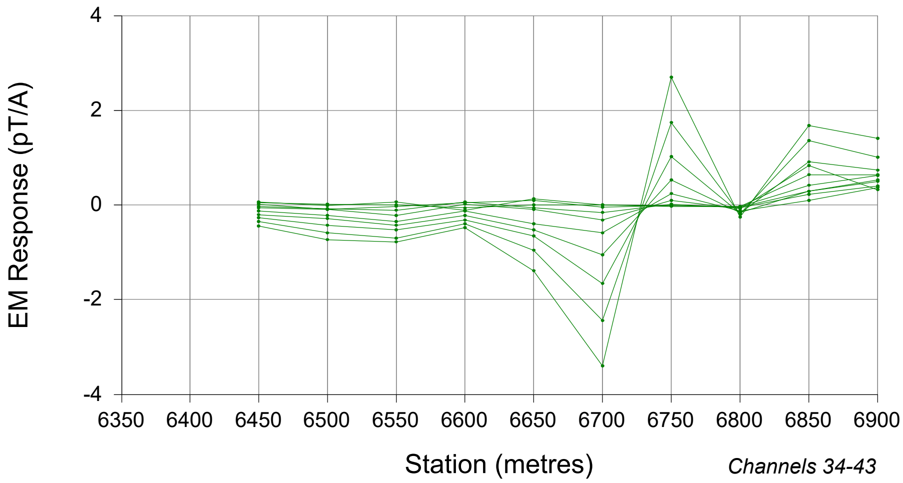
Z Primary Field



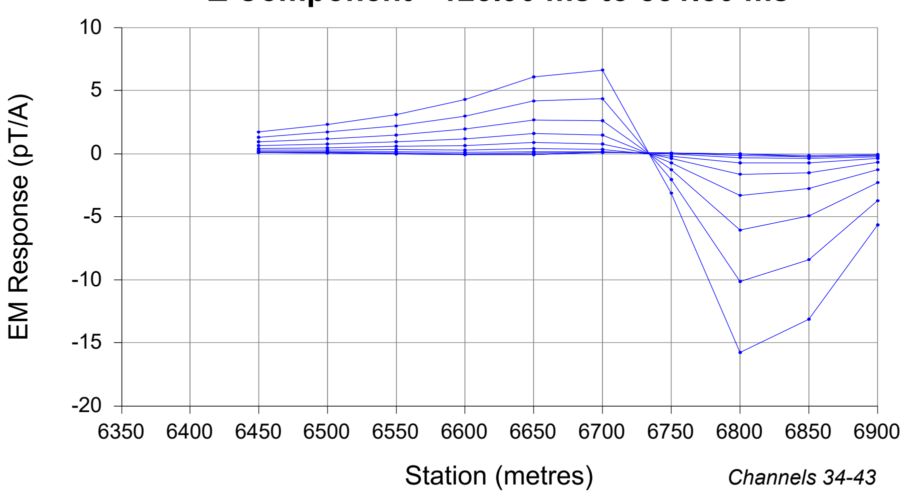
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

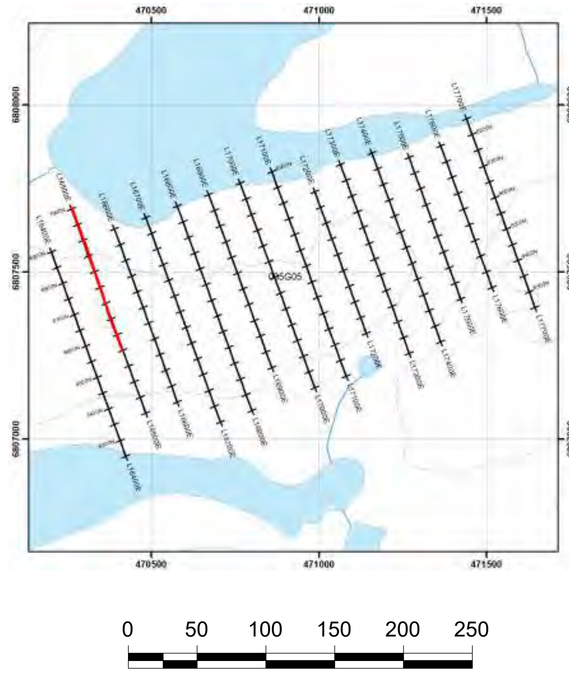
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



Scale 1:5500

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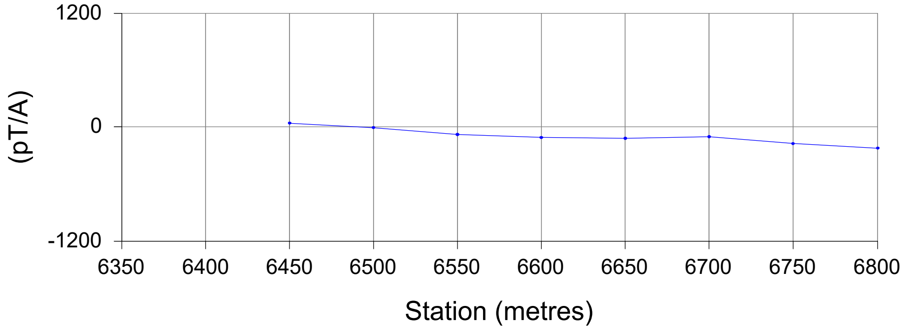
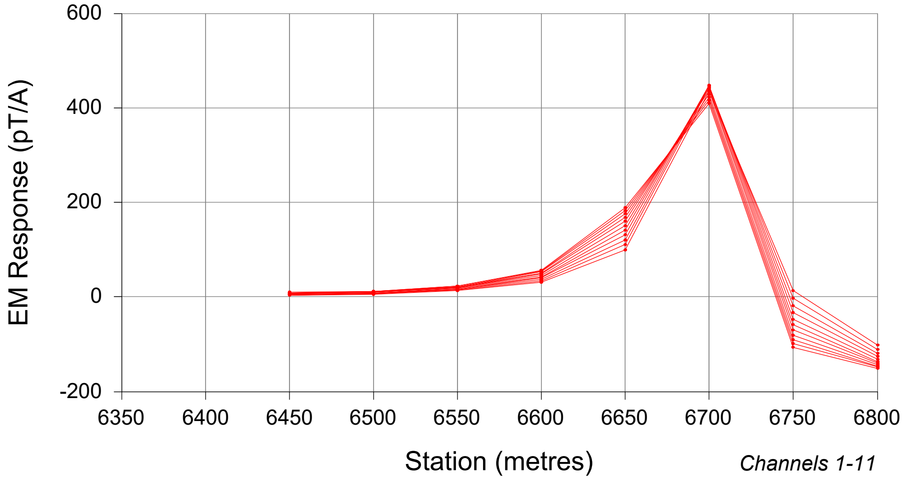
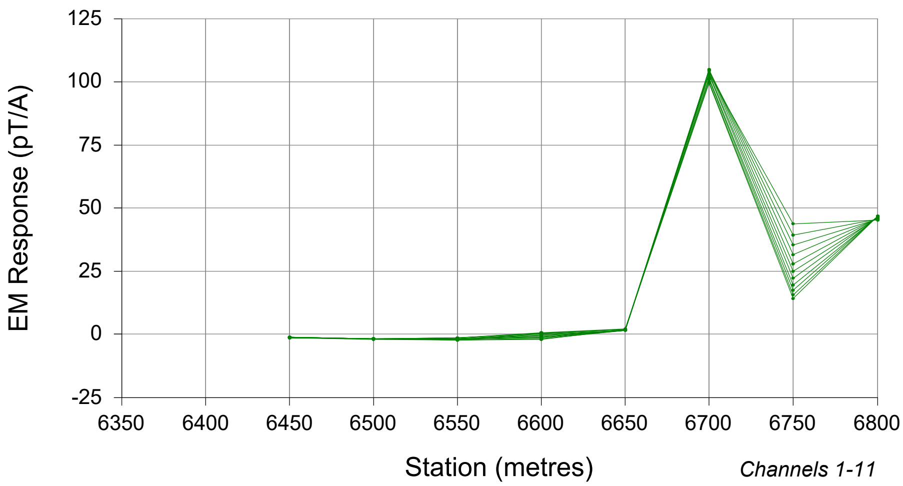
X Primary Field



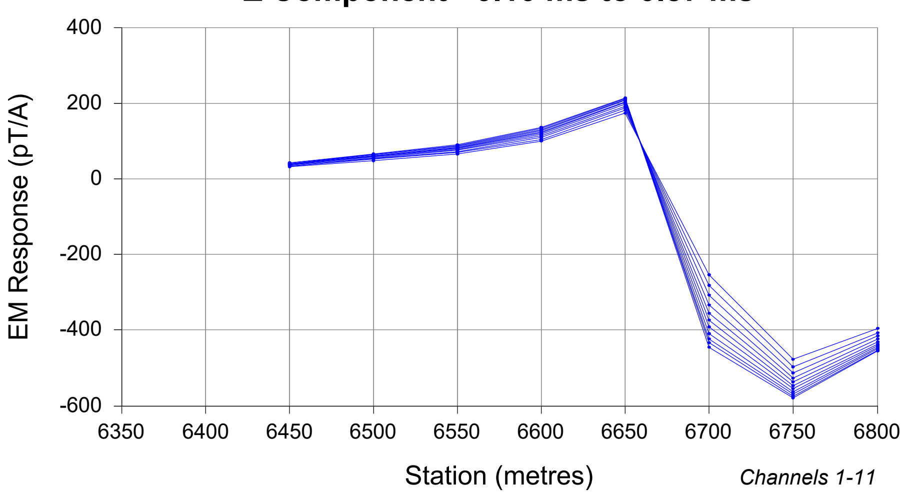
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

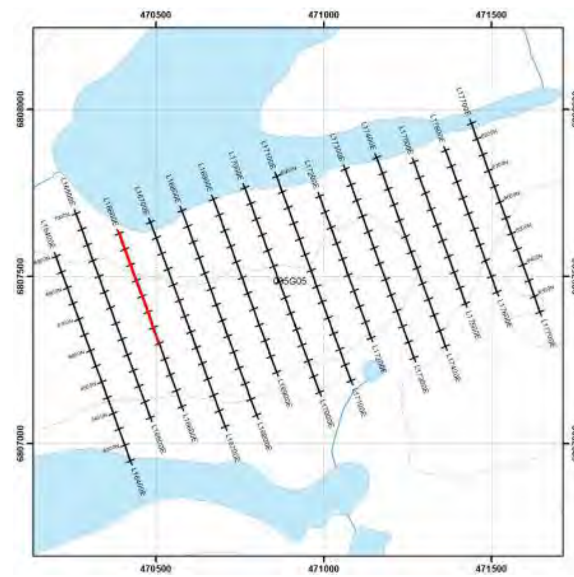
Configuration : Slingram
Station Spacing : 0-50 m
Rx-Tx Offset : 200 m

RECEIVER

Receiver : SMARTem24
Frequency : 0.25 Hz
Component : Z, X, Y
Rx Sensor : Supracon HT SQUID
Rx Serial Number : JD413

TRANSMITTER

Transmitter : Phoenix TXU-30
Tx Loop Side : 200 m x 400 m
Tx Turns : 1
Tx Current : 53.0 A
Turn Off : 0.500 ms



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Scale 1:4500

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Line 16600E

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Survey Date: July 2021

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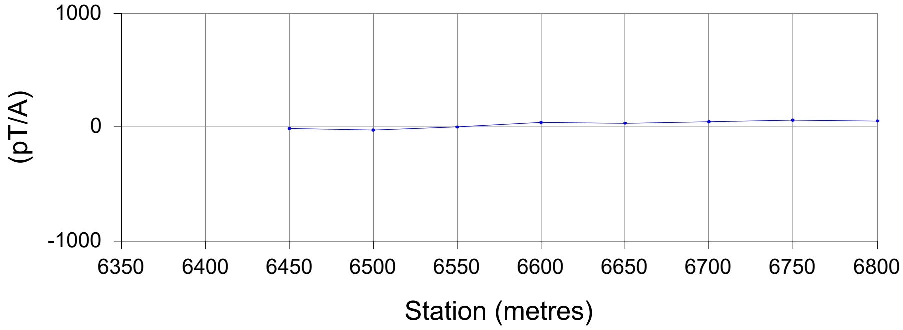
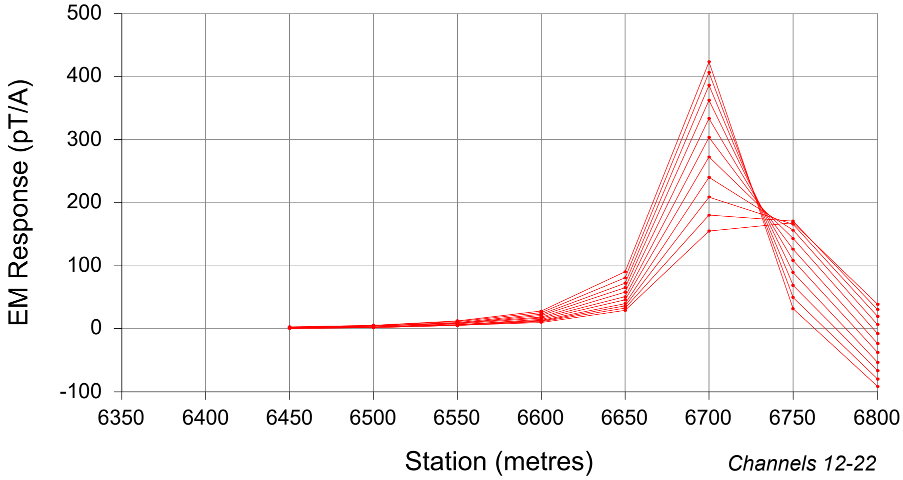
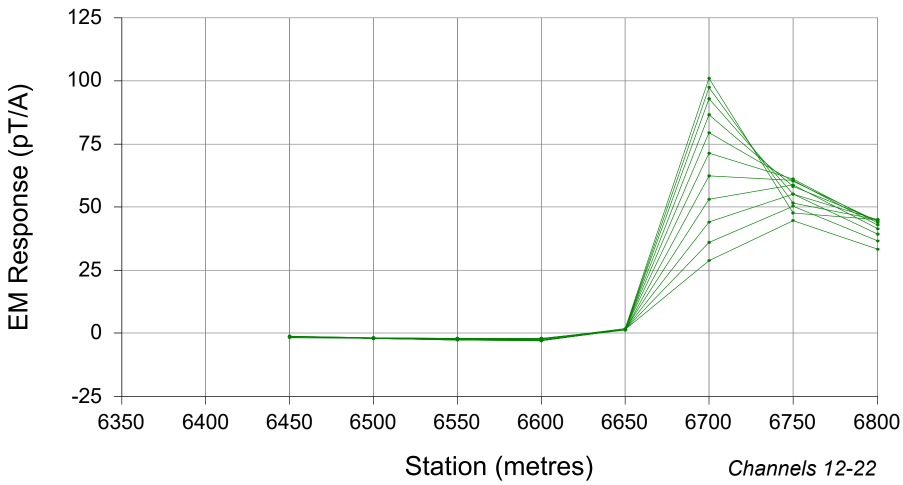
Y Primary Field



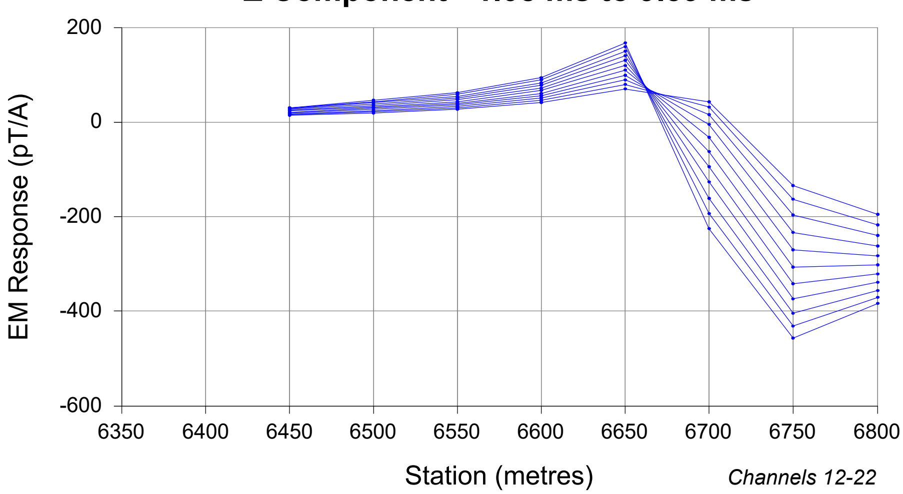
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

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Rx Serial Number	: JD413

TRANSMITTER

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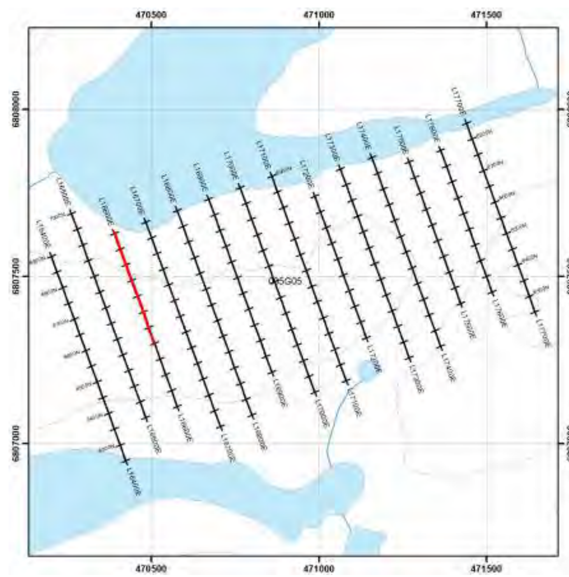
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

Scale 1:4500

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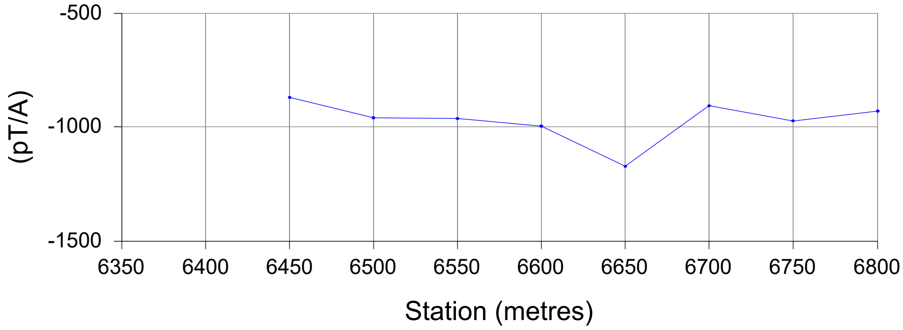
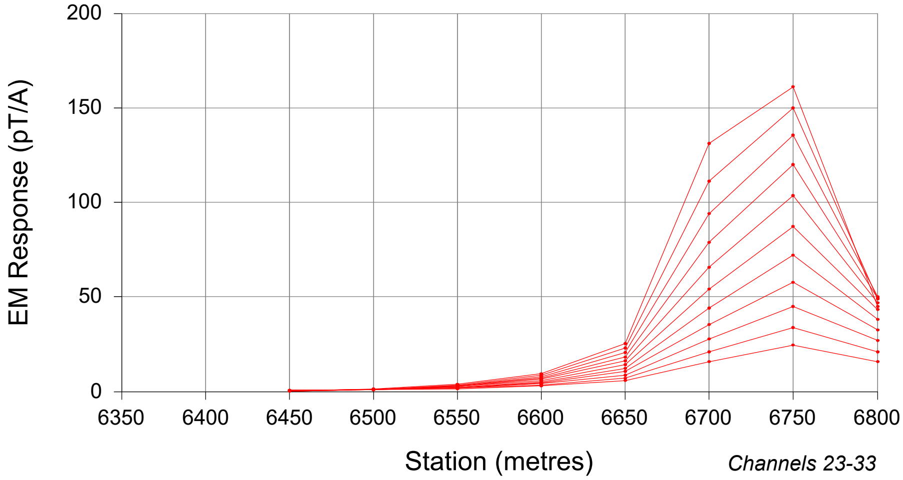
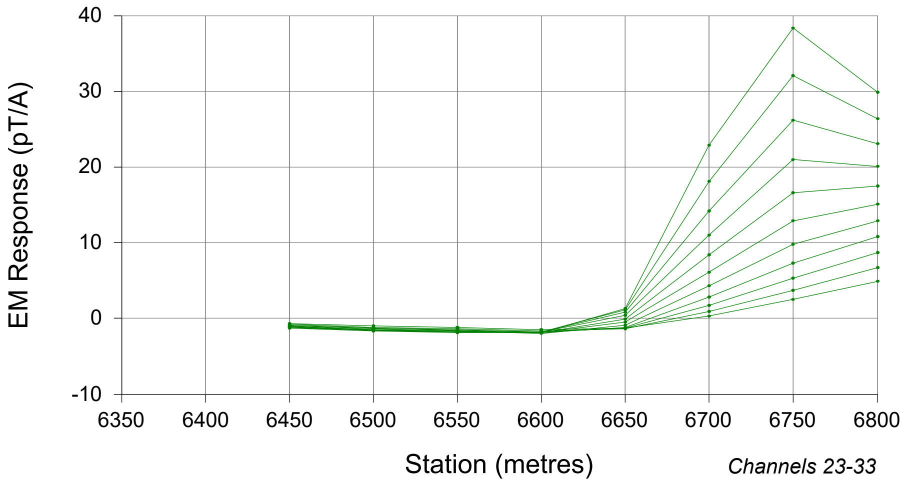
Z Primary Field



X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



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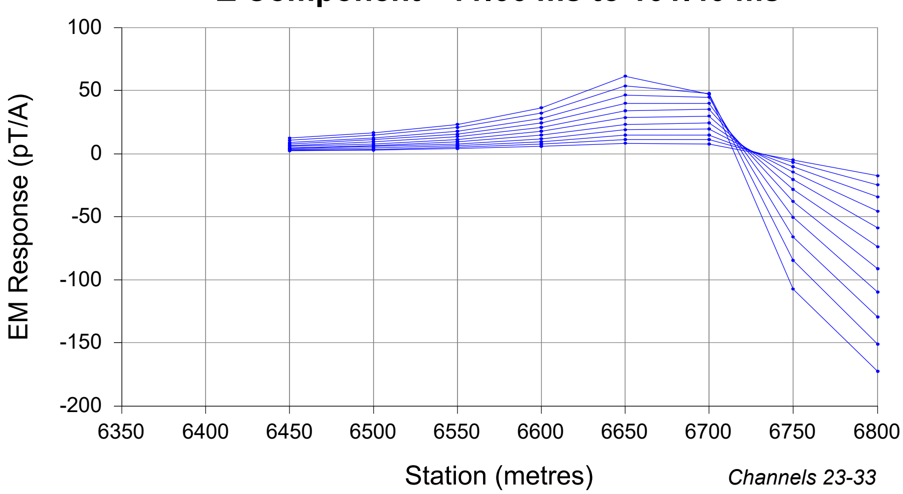

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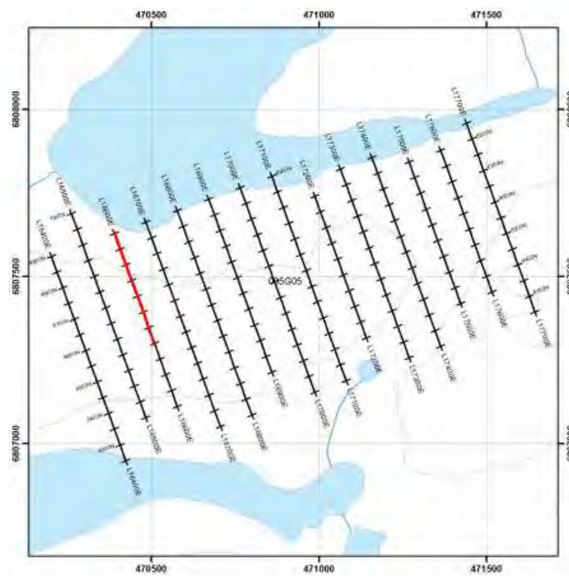
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



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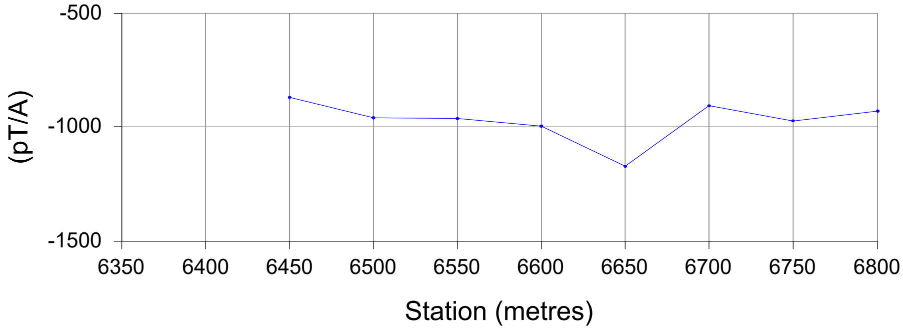
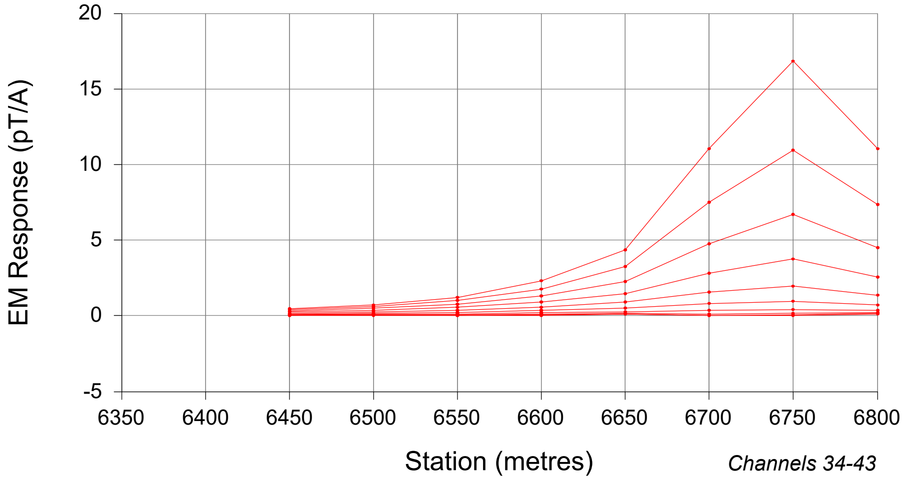


X Component - 125.90 ms to 881.80 ms



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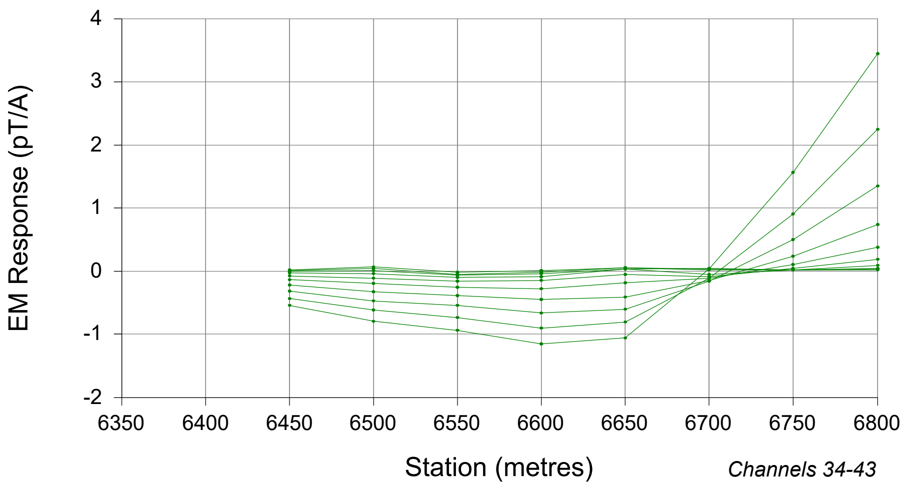

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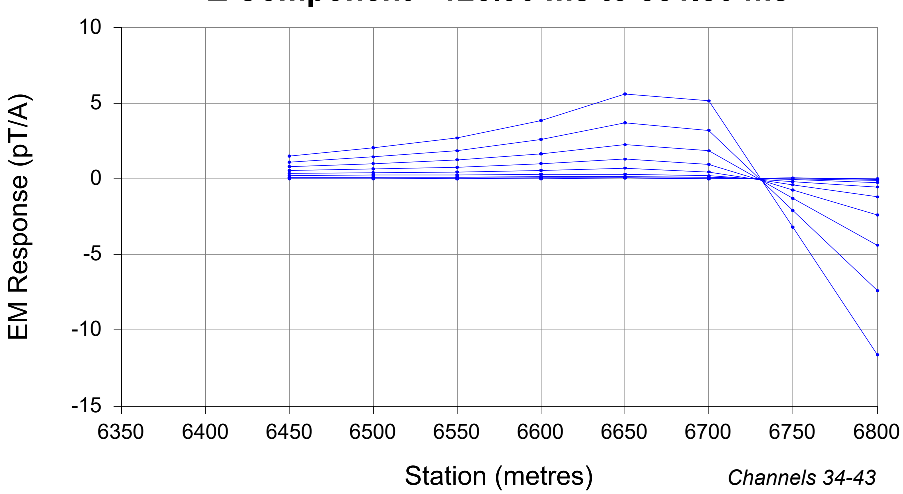


SURVEY PARAMETERS

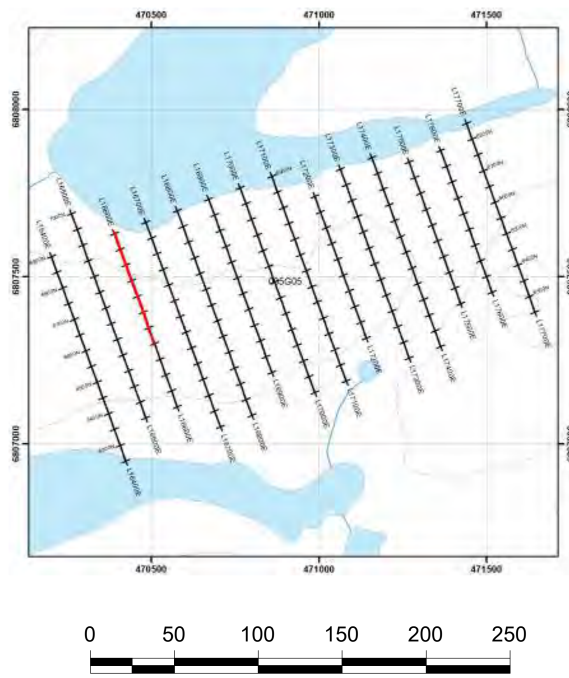
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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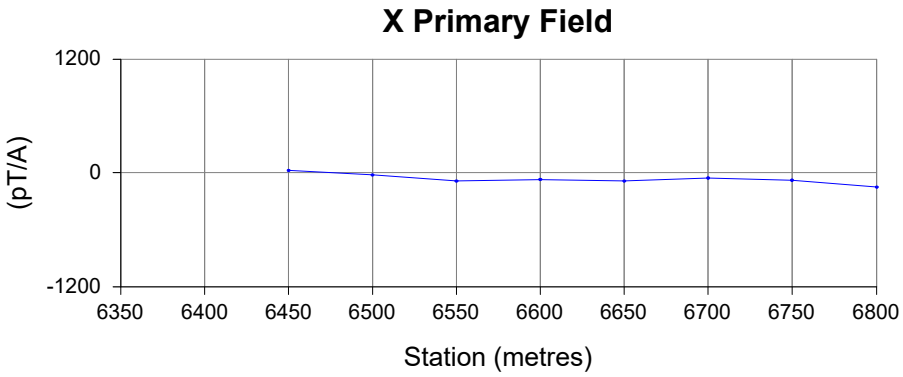
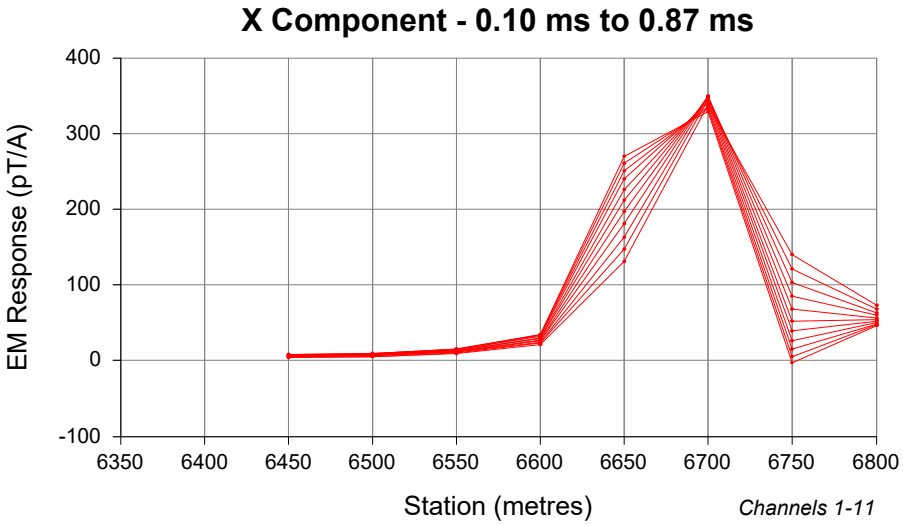
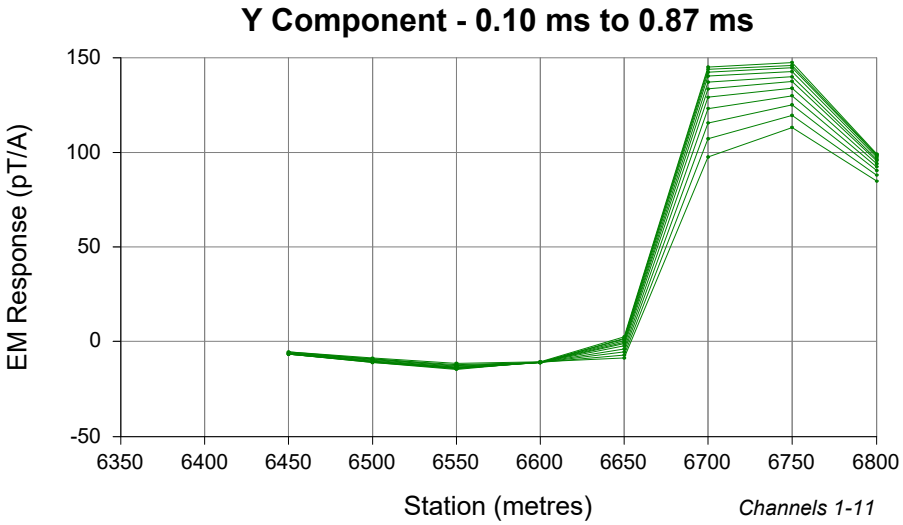
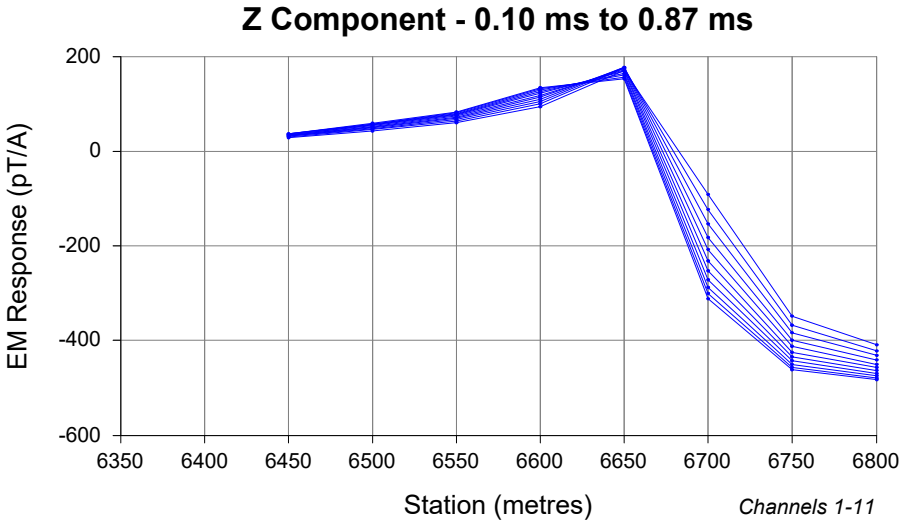








SURVEY PARAMETERS

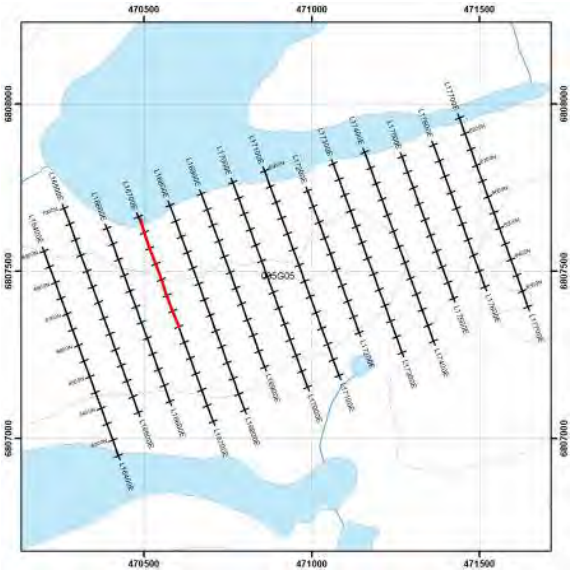
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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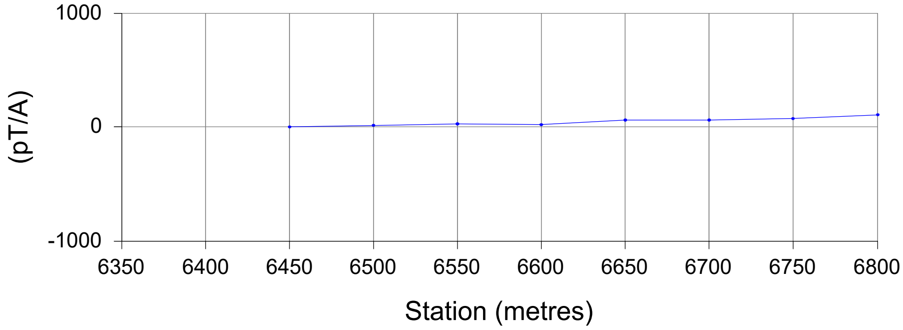
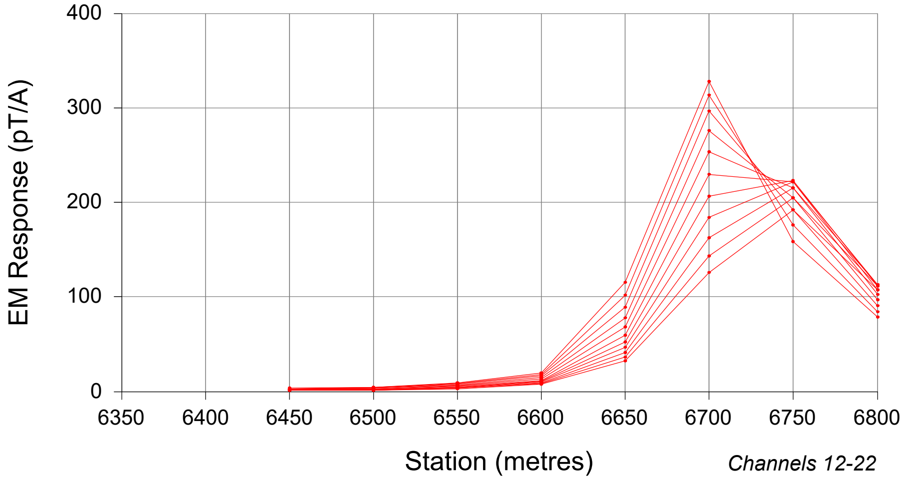
Y Primary Field



X Component - 1.08 ms to 9.39 ms



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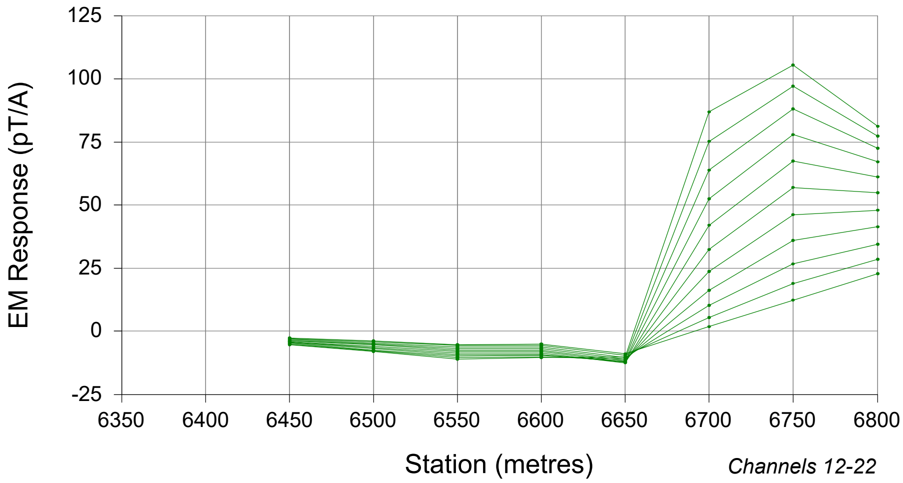
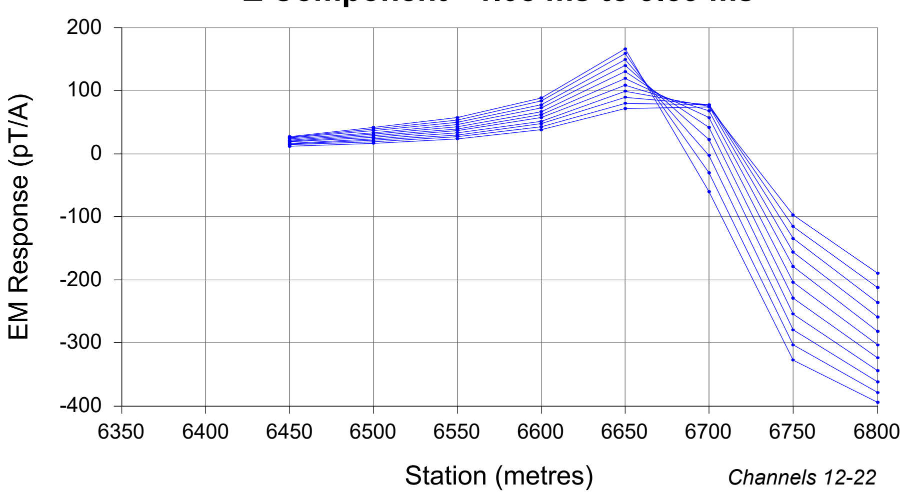


Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

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Receiver	: SMARTem24
Frequency	: 0.25 Hz
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TRANSMITTER

Transmitter	: Phoenix TXU-30
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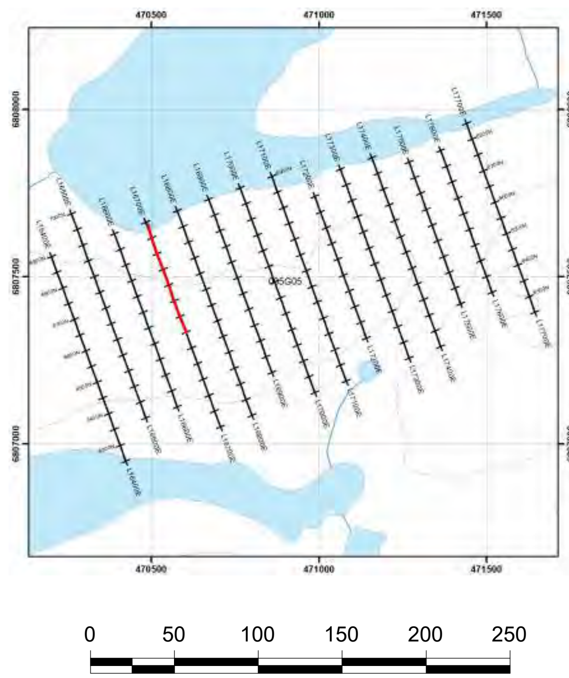

Scale 1:4500

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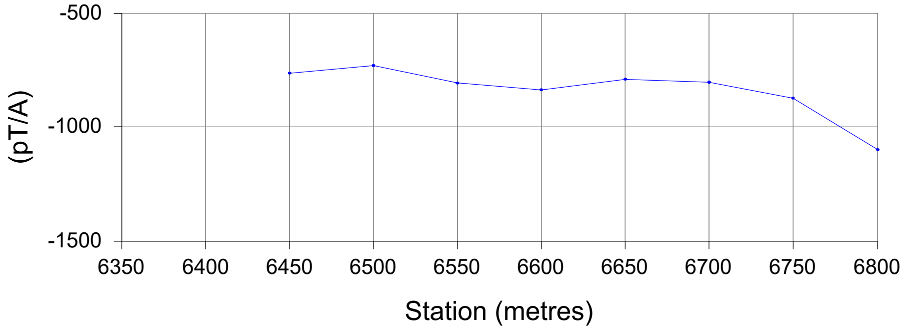
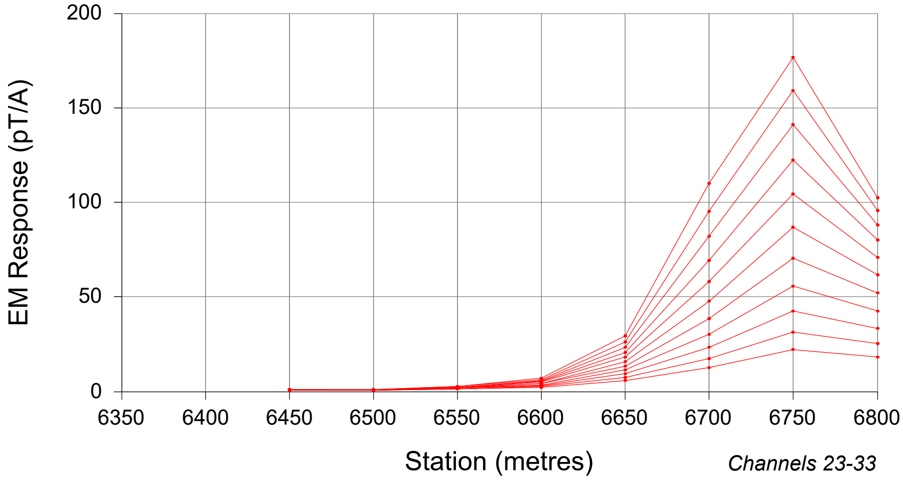


X Component - 11.66 ms to 101.40 ms



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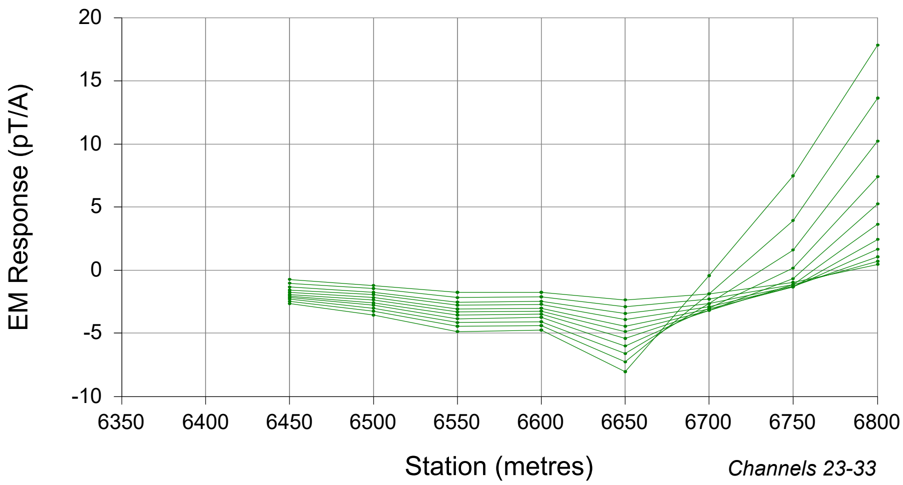

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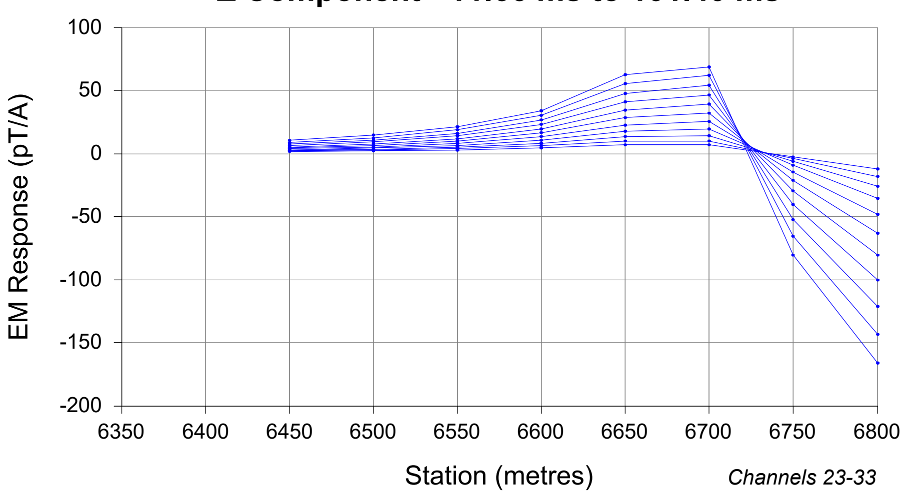

SURVEY PARAMETERS

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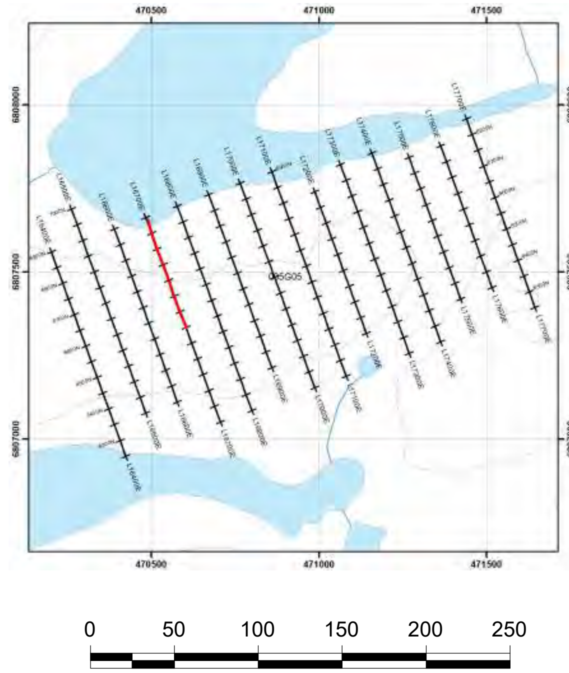

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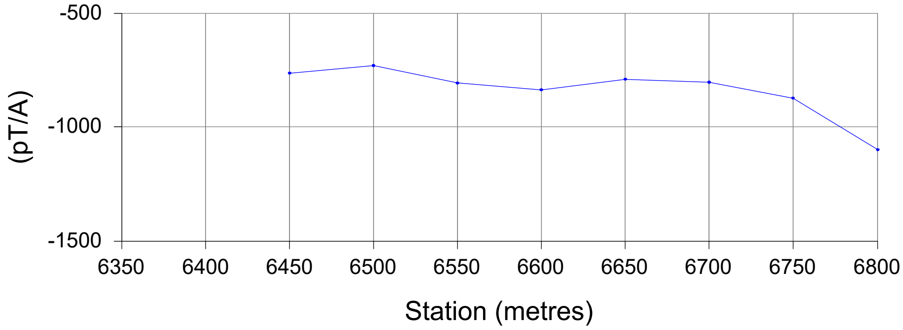
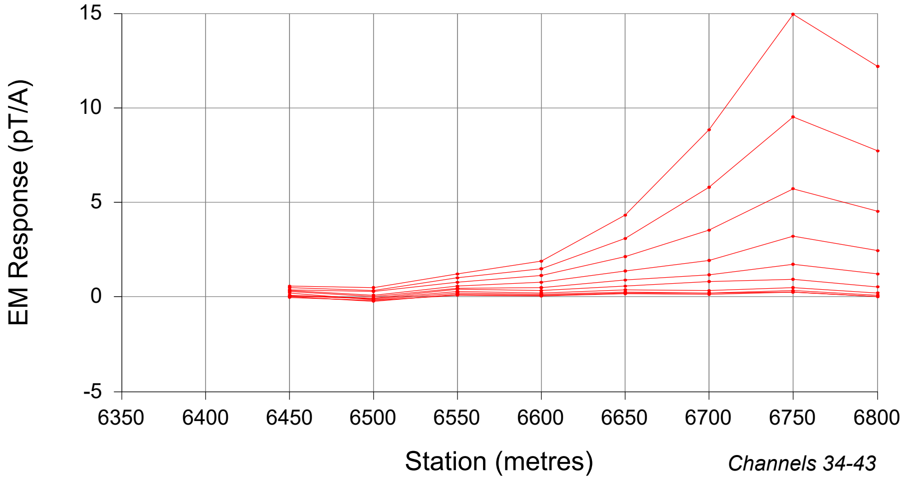
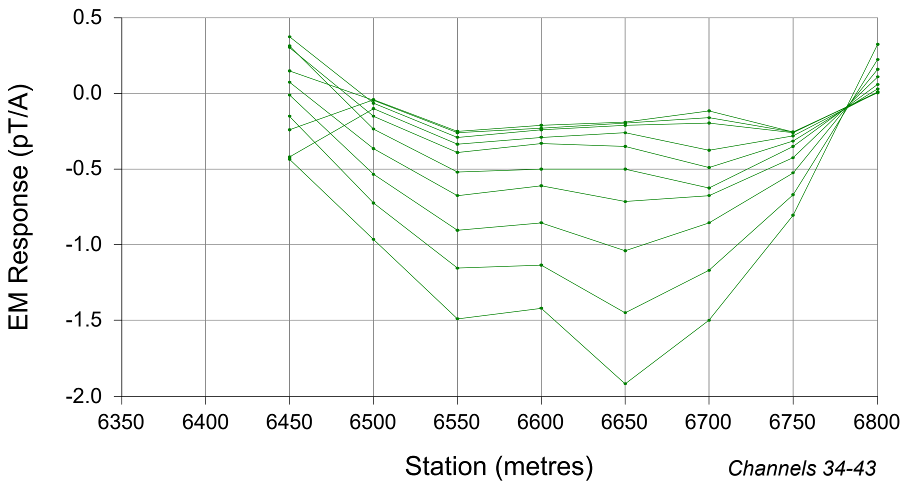
Z Primary Field



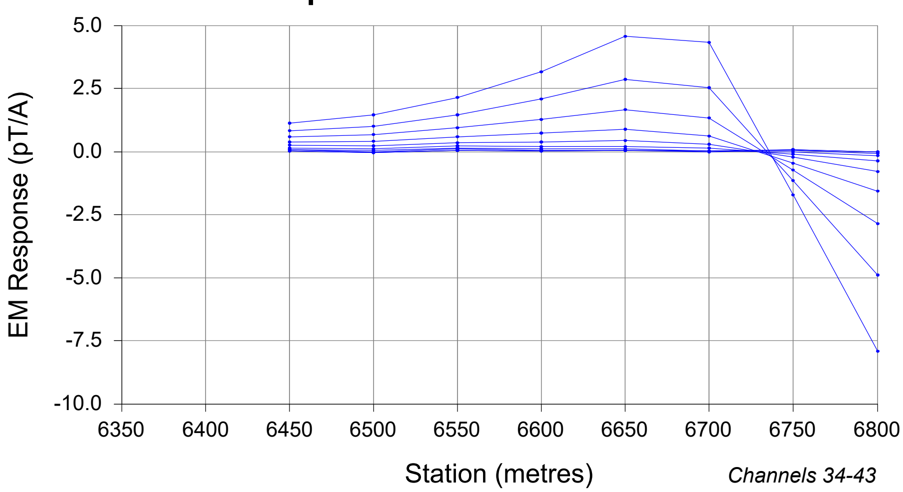
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

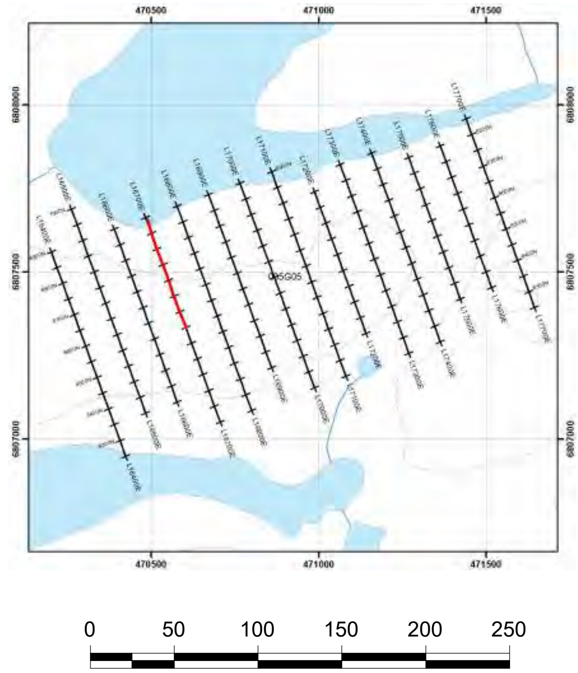
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 53.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16700E

Surveyed By: Cole Smytaniuk

Survey Date: July 2021

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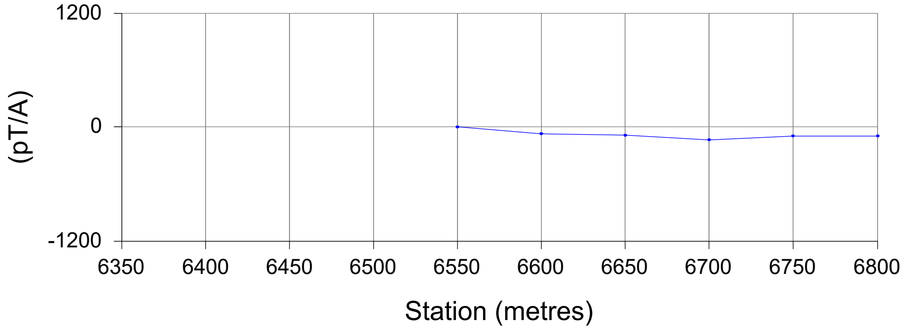
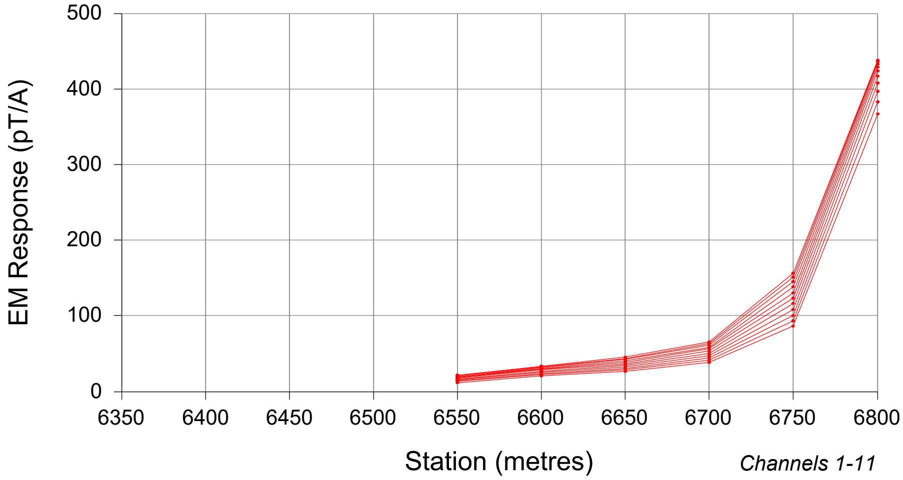
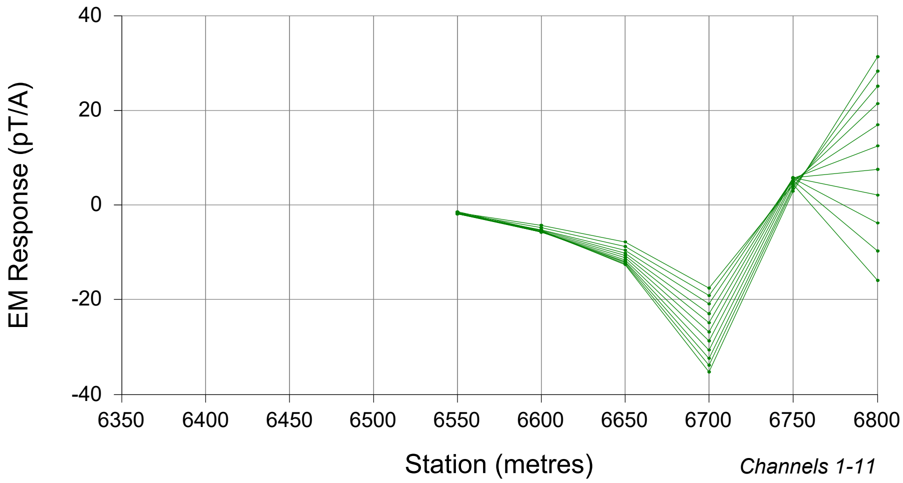
X Primary Field



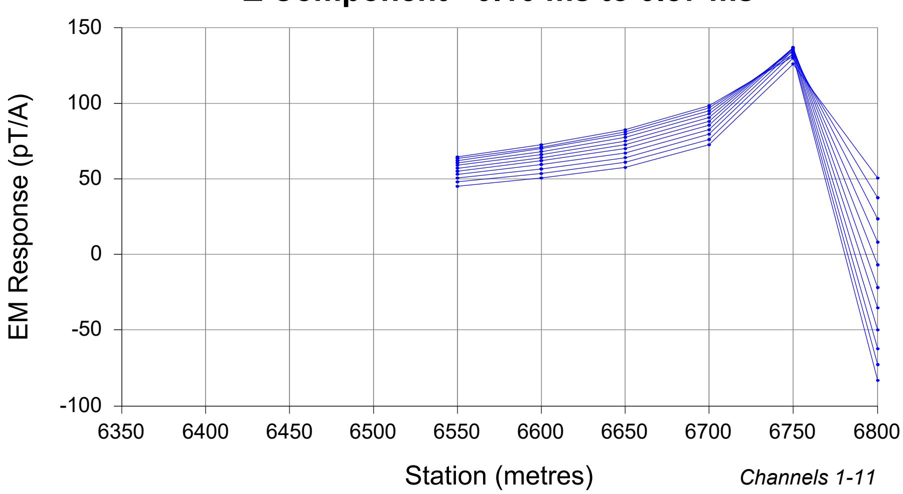
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

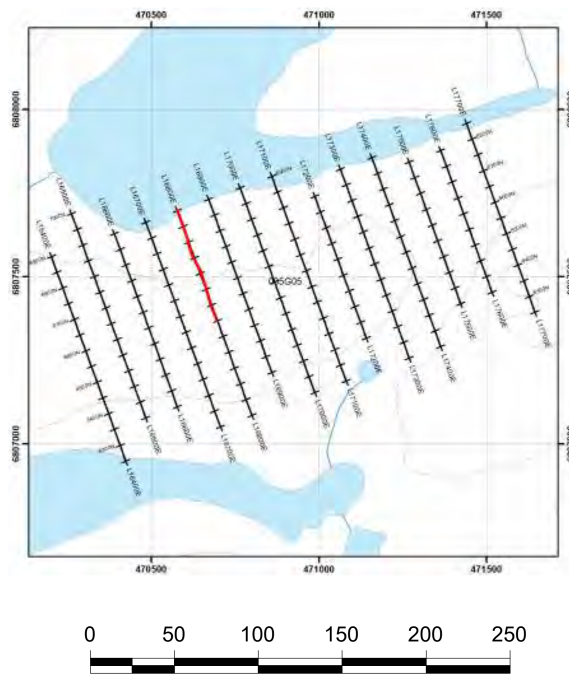
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
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Supracon Jessy HT SQUID
Slingram Survey

Line 16800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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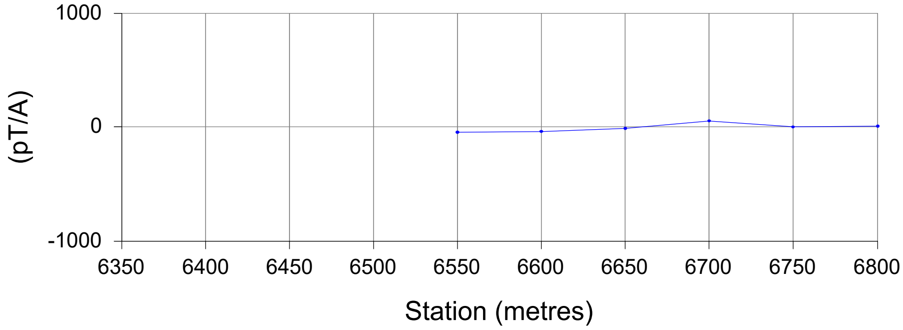
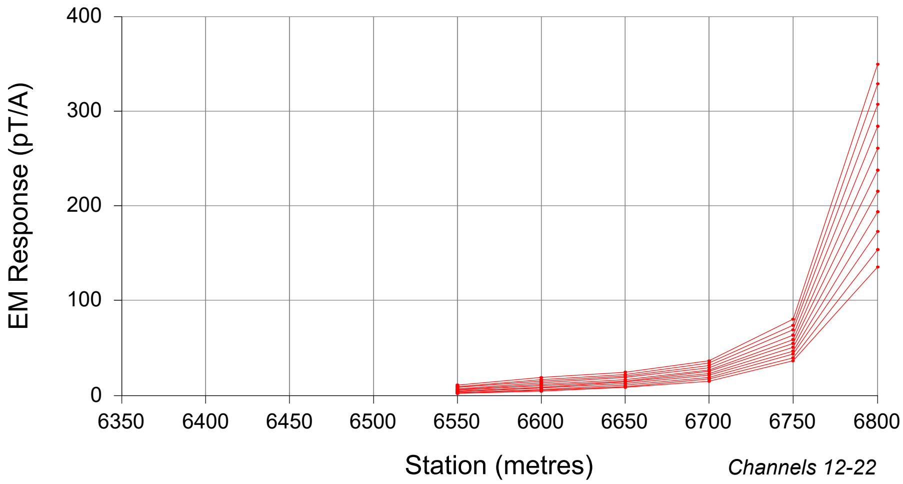
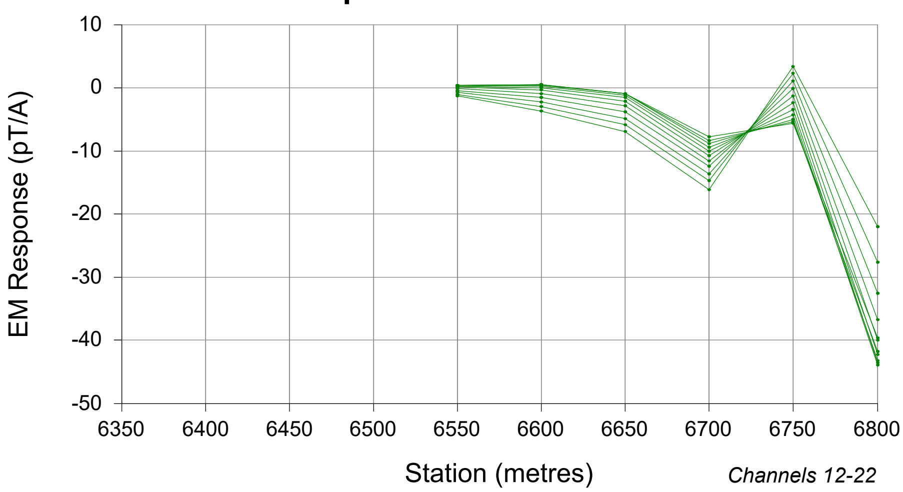
Y Primary Field



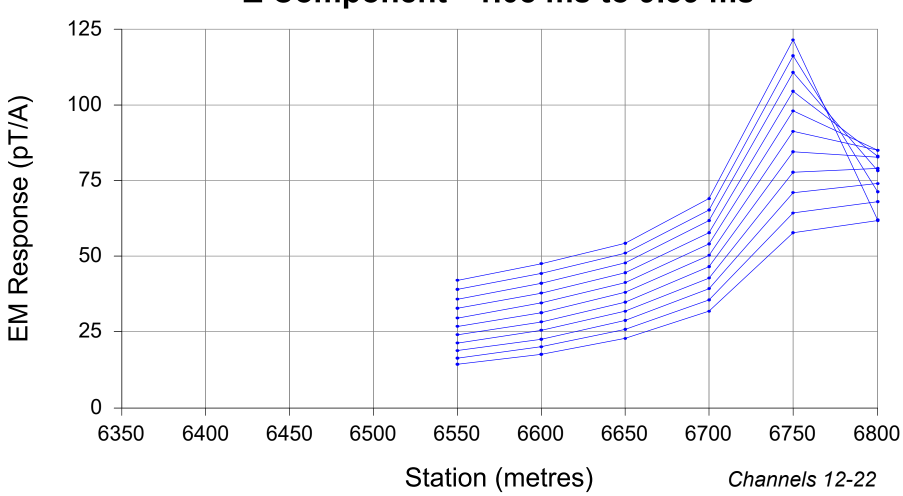
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

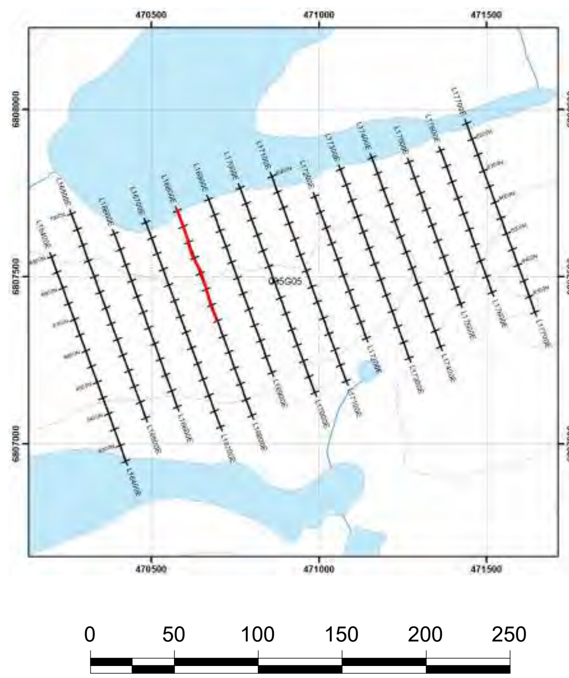
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Line 16800E

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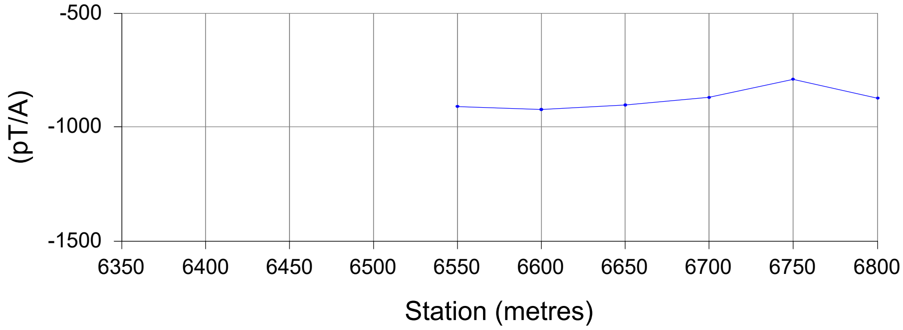
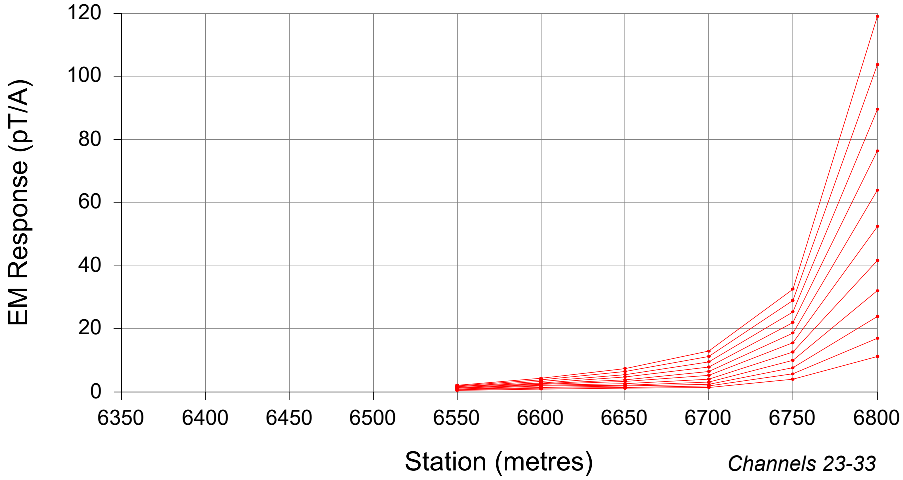
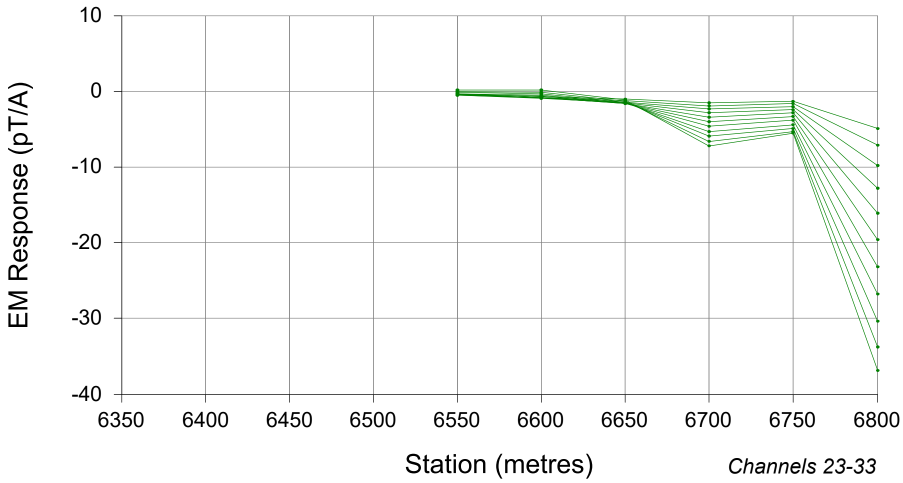
Z Primary Field



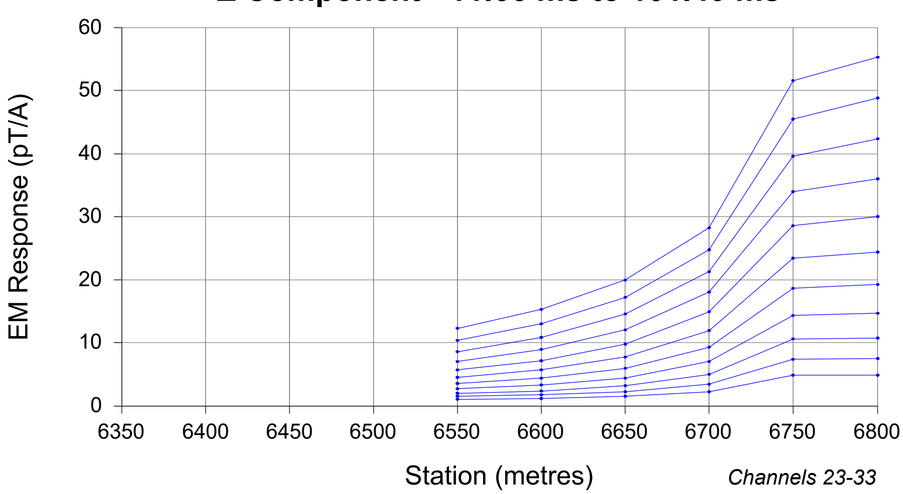
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

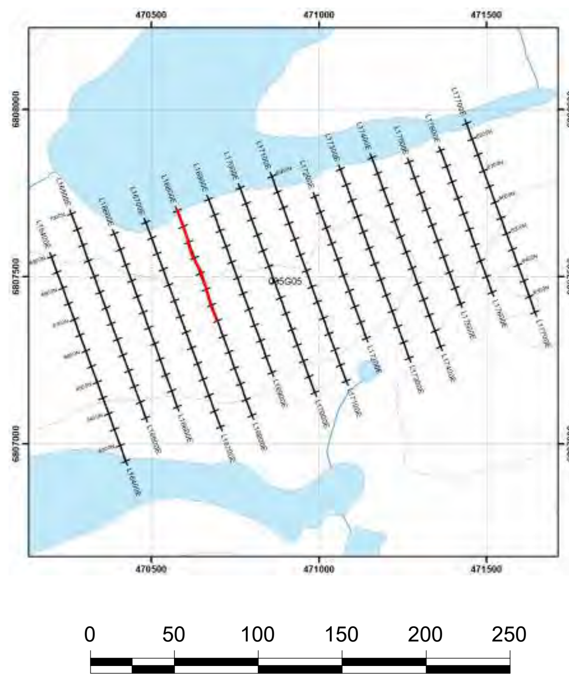
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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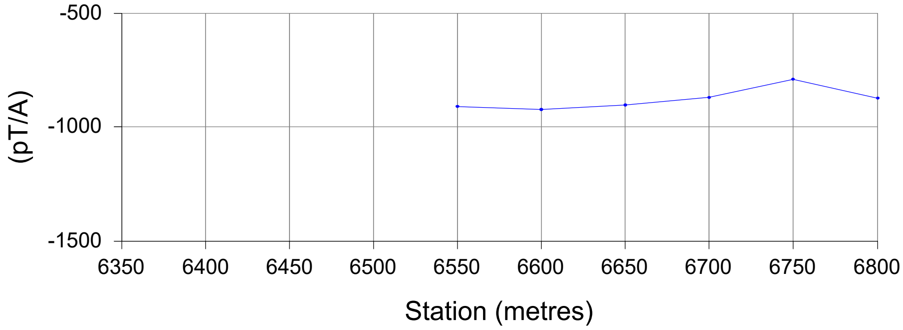
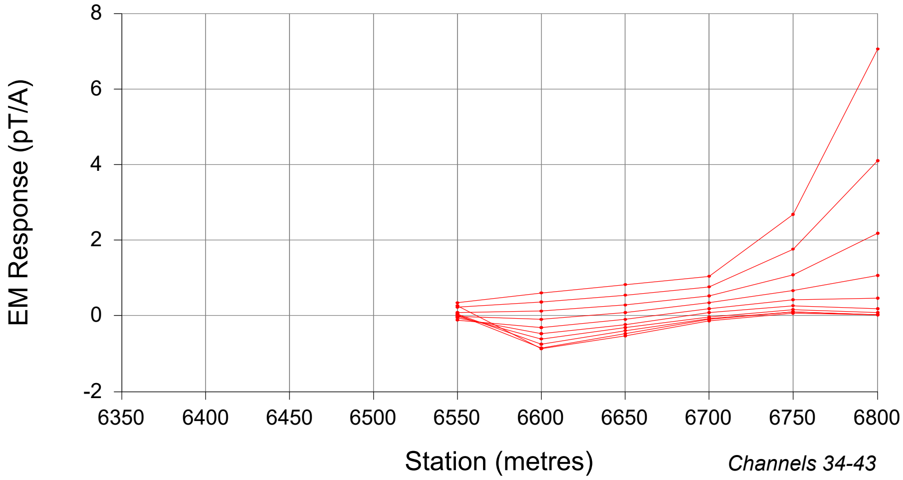
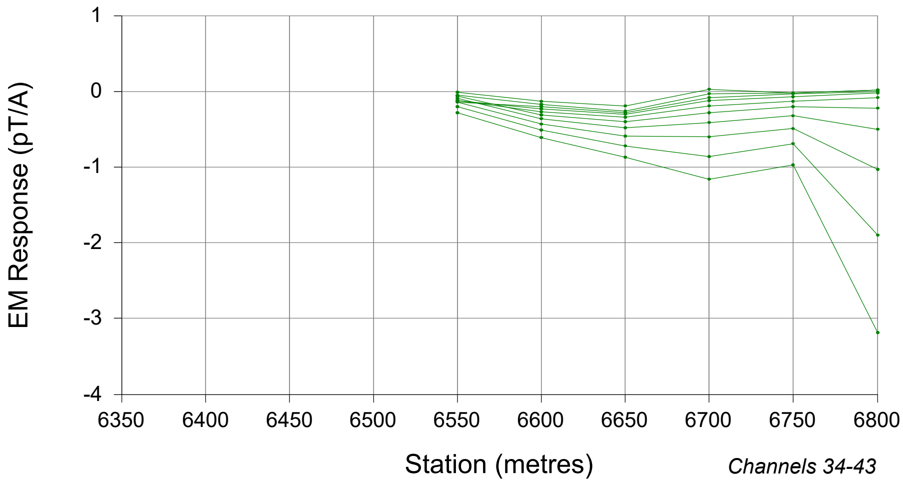
Z Primary Field



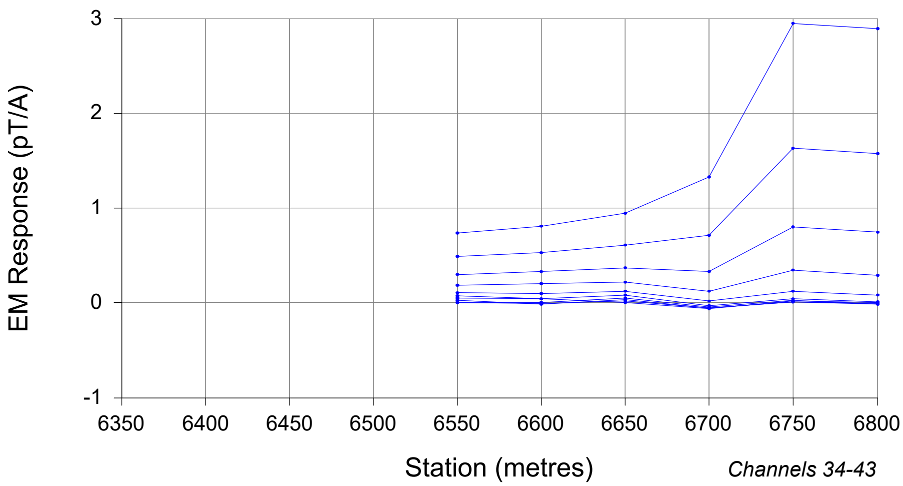
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

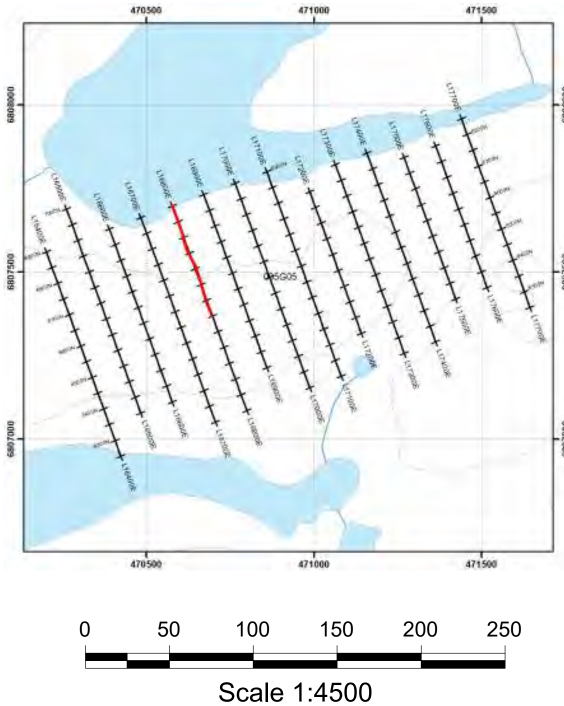
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Line 16800E

Surveyed By: Mohamed Haiba
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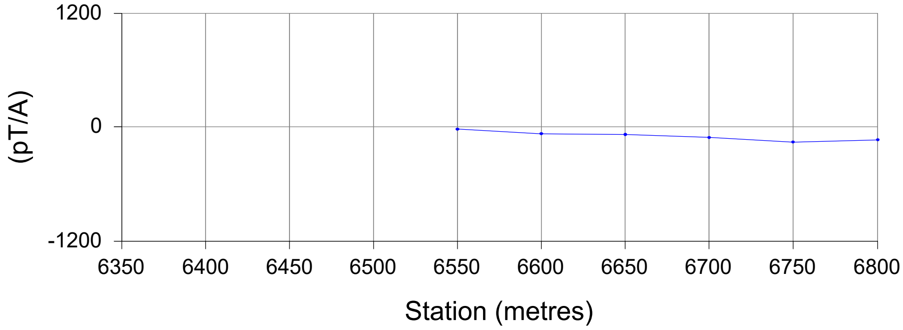
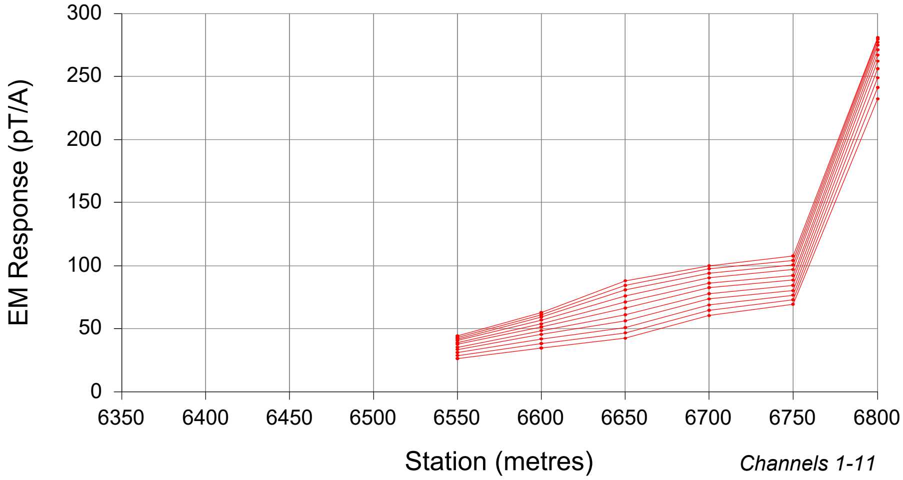
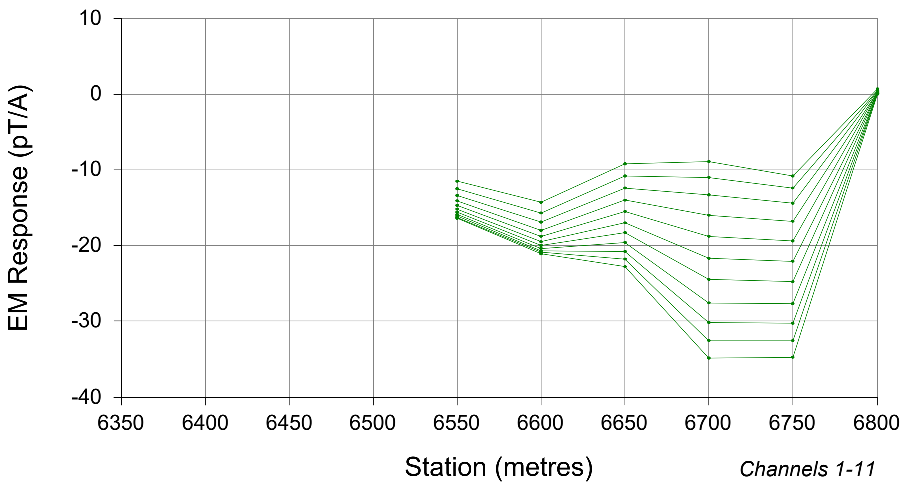
X Primary Field



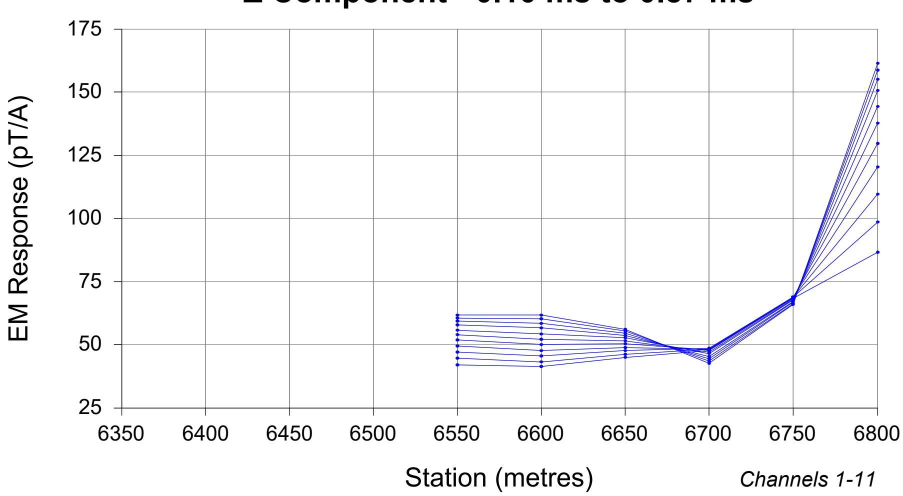
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

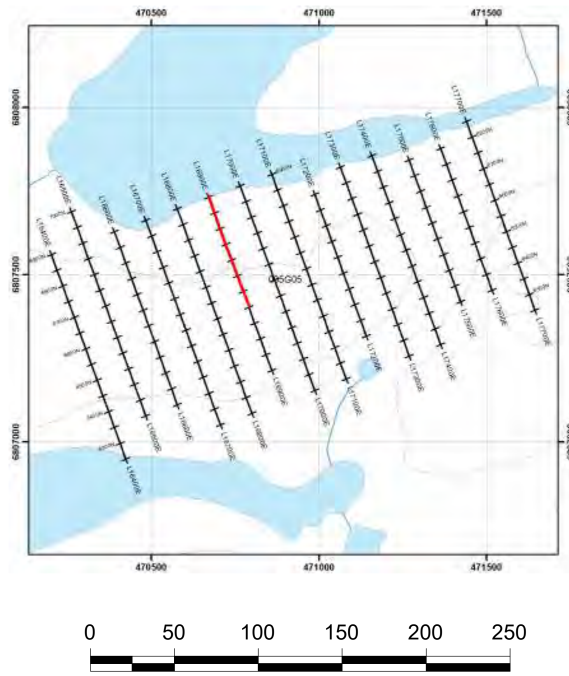
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Slingram Survey

Line 16900E

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Survey Date: July 2021

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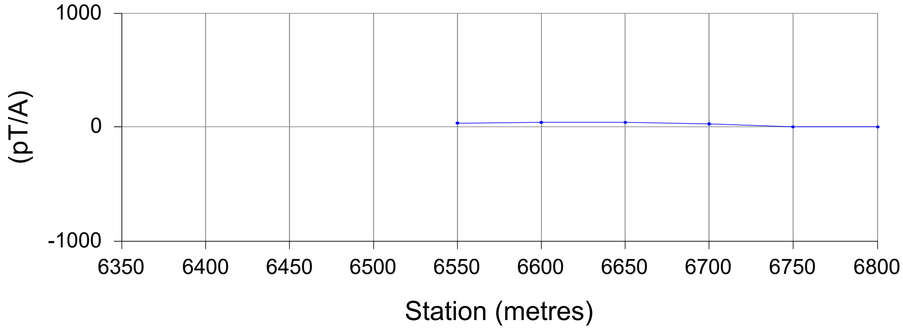
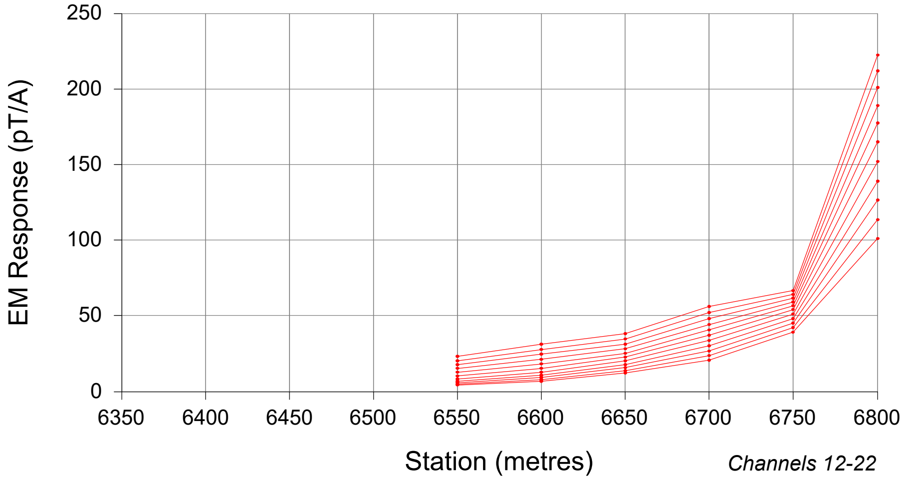
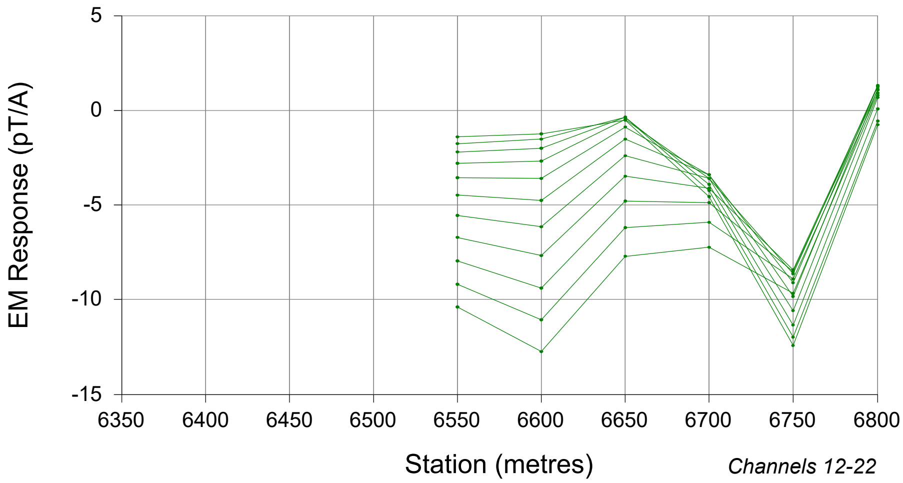
Y Primary Field



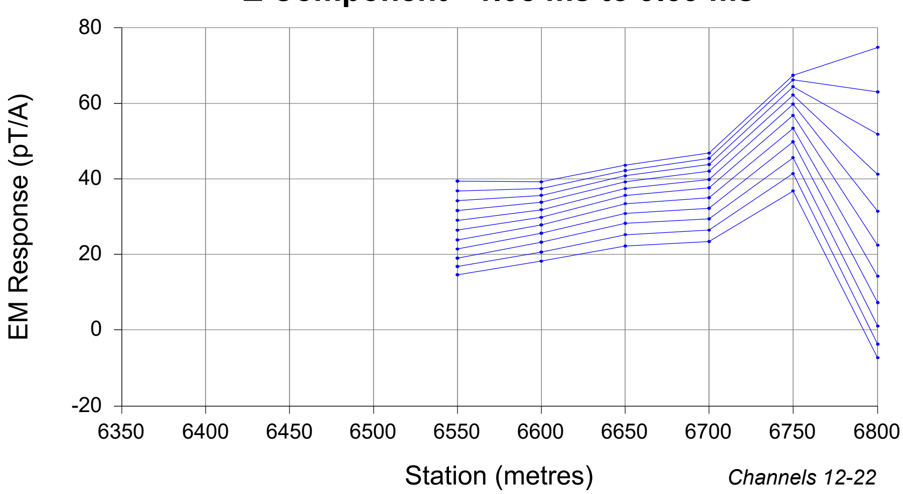
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

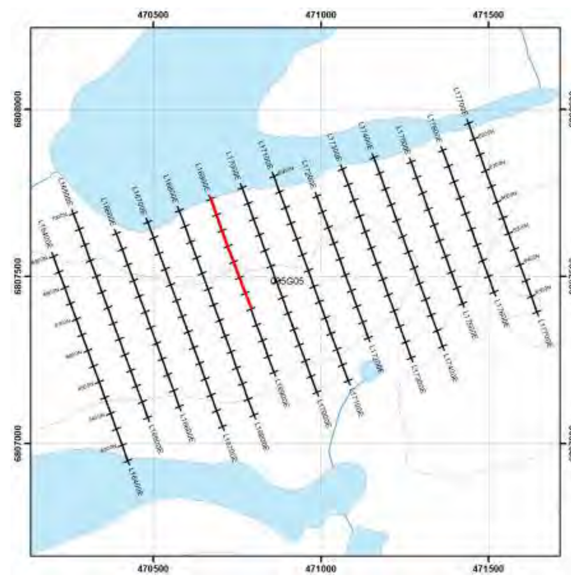
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

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Slingram Survey

Line 16900E

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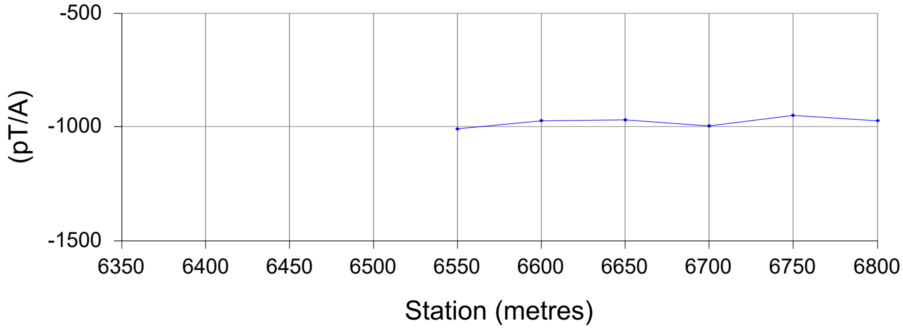
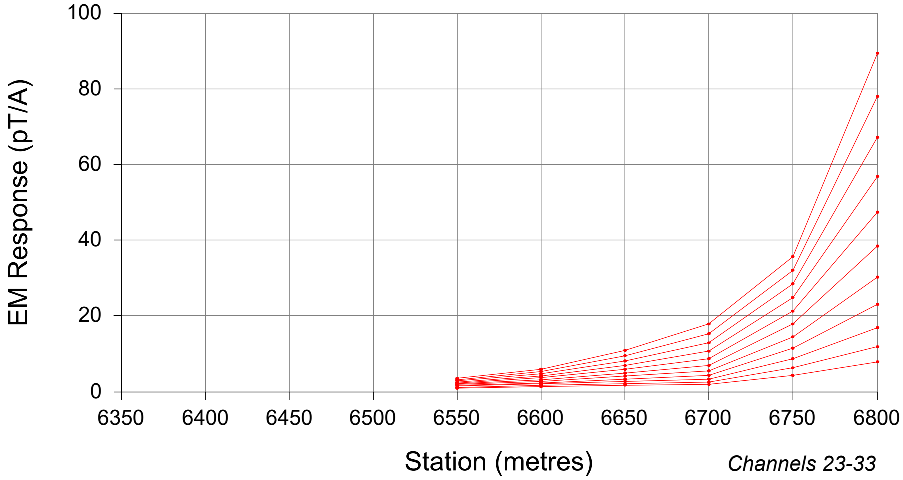
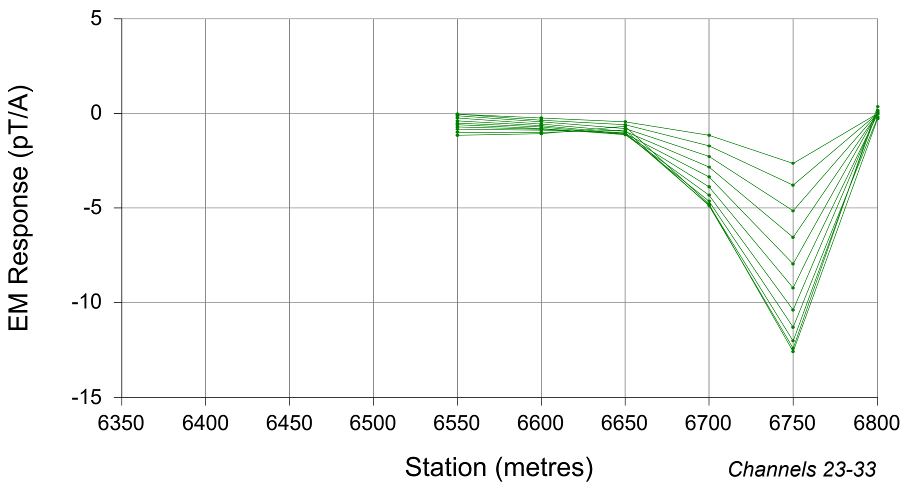
Z Primary Field



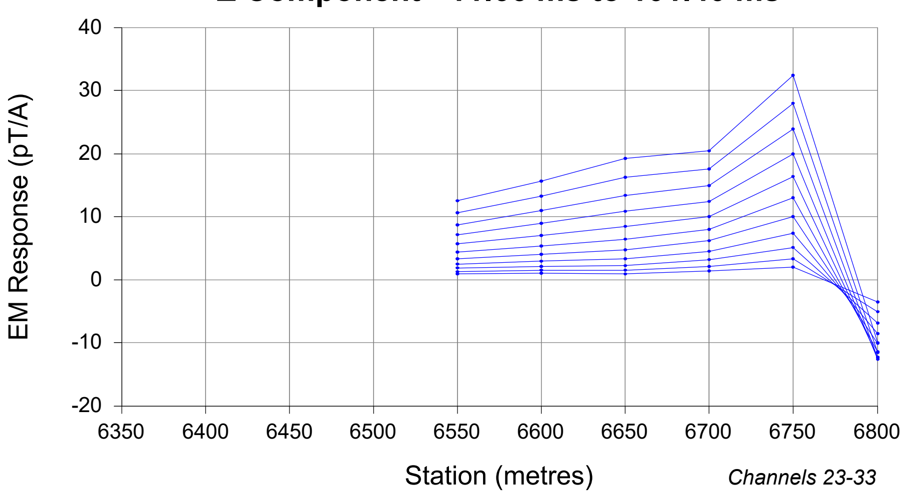
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

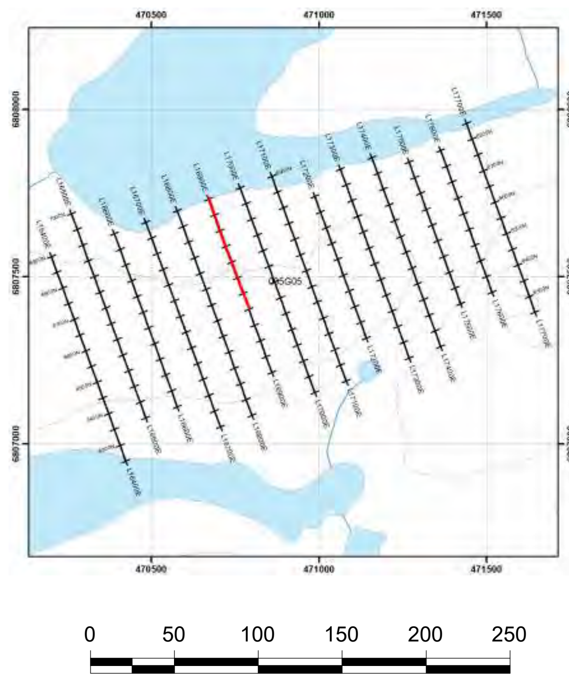
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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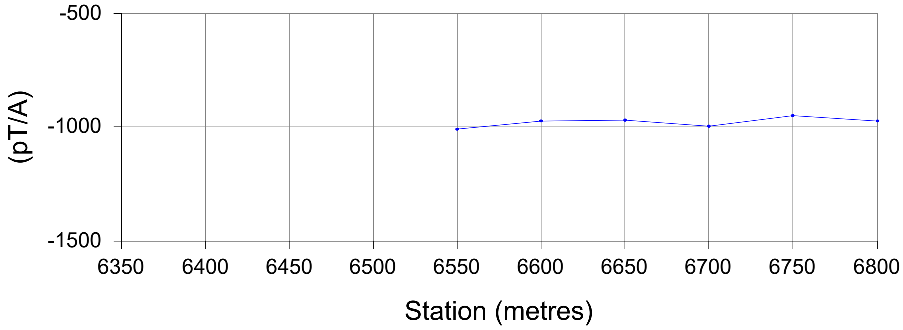
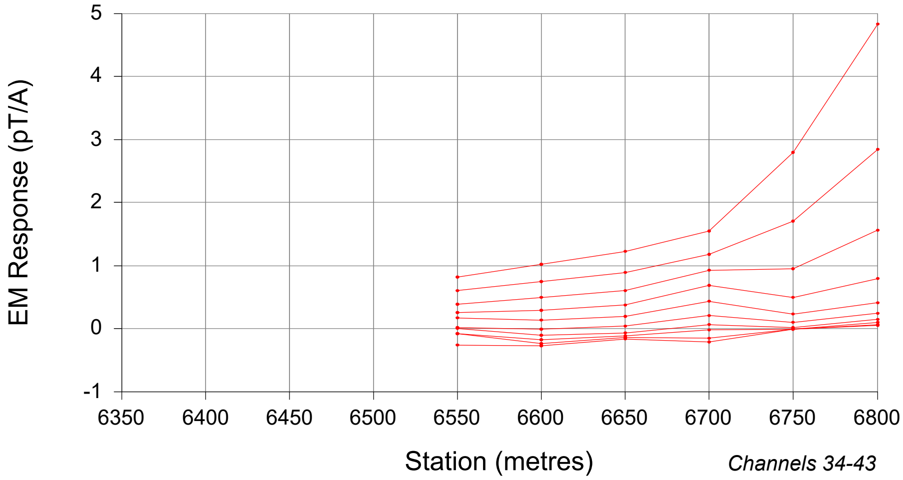
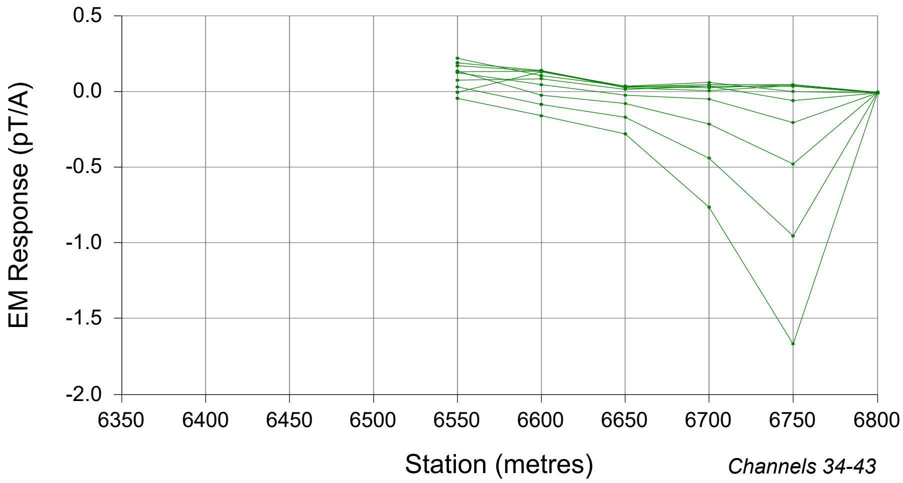
Z Primary Field



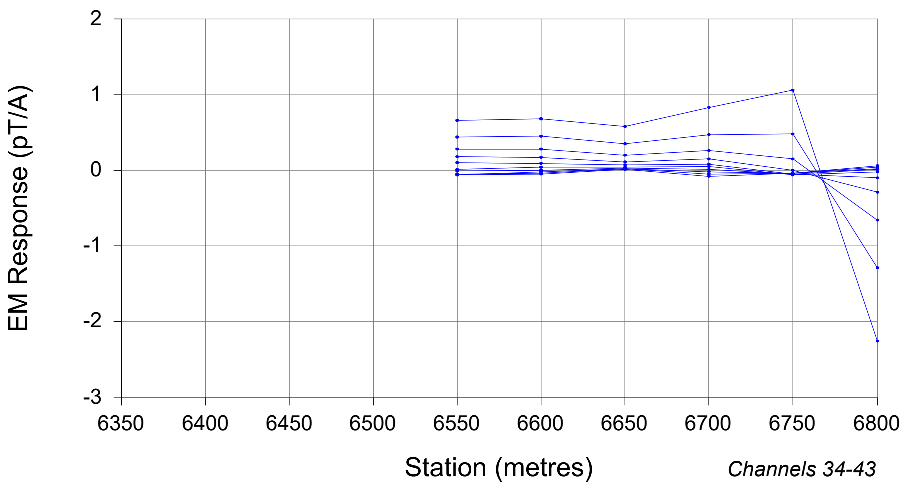
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

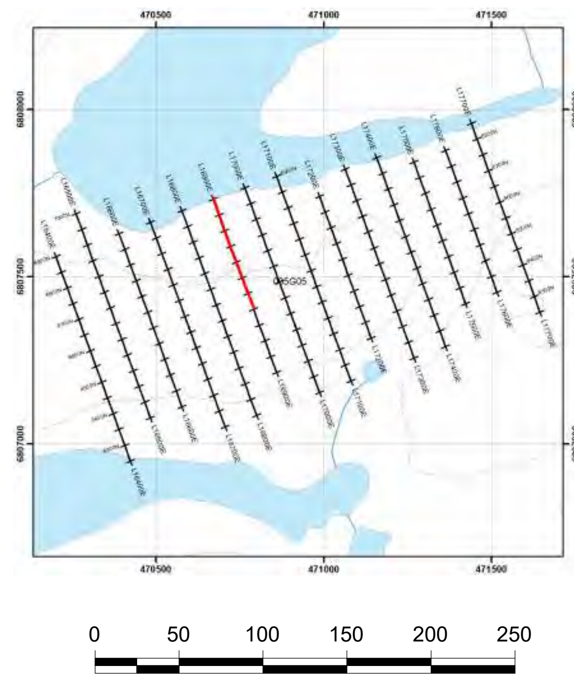
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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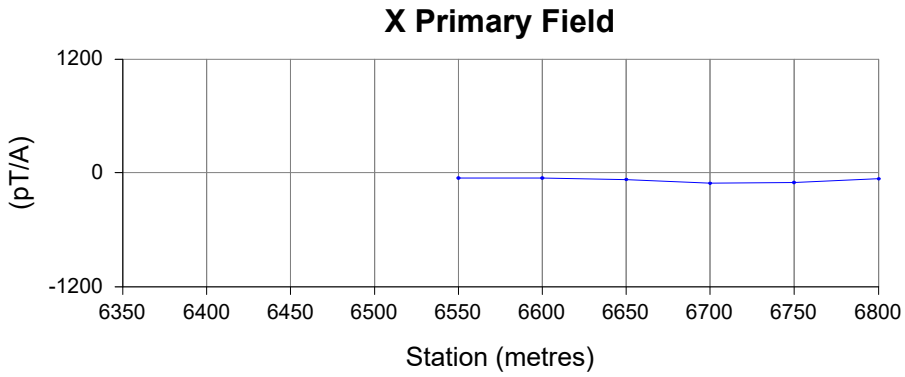
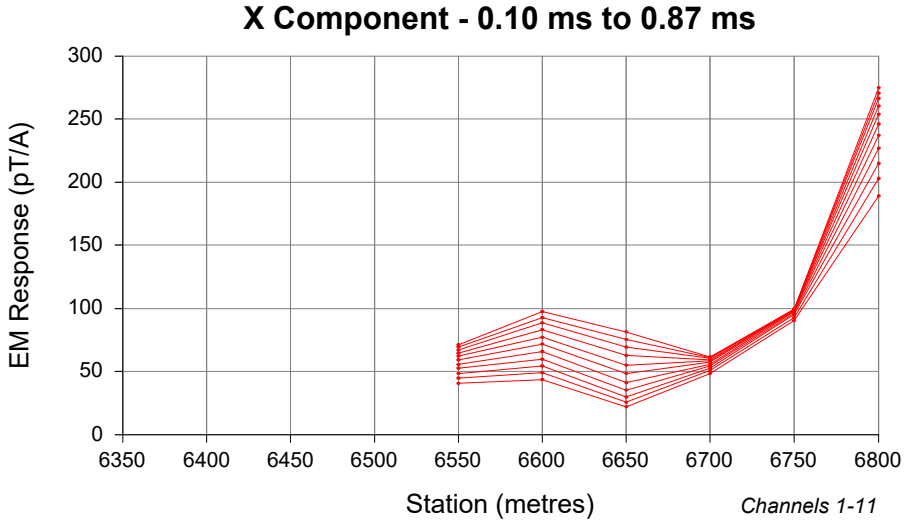
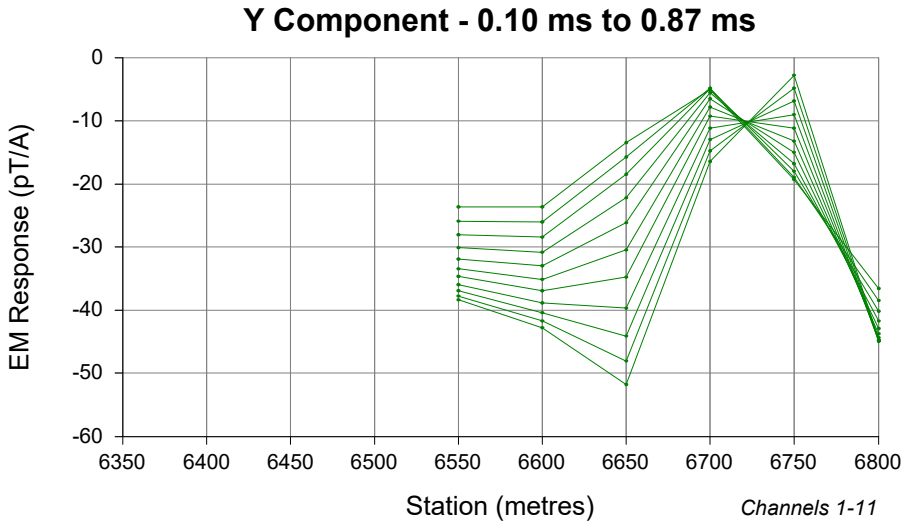
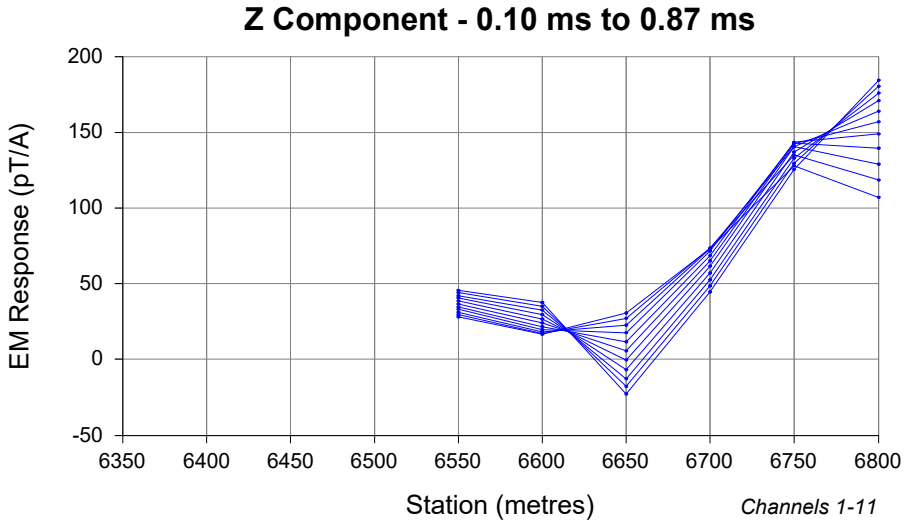








SURVEY PARAMETERS

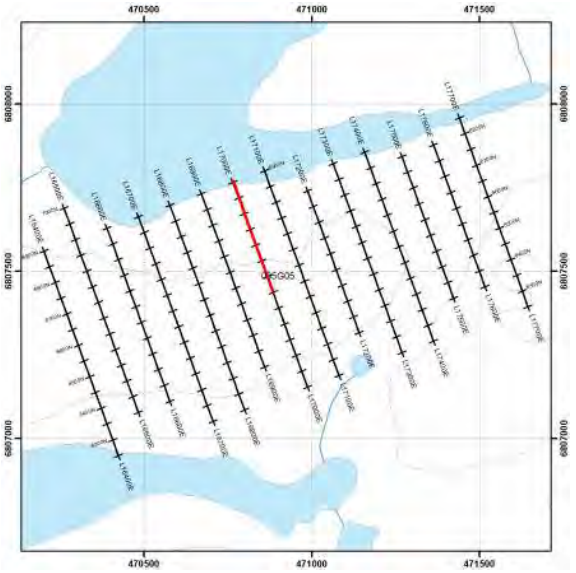
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 - 53.0 A
Turn Off	: 0.500 ms



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West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17000E

Surveyed By: Joseph Cook
Survey Date: July 2021

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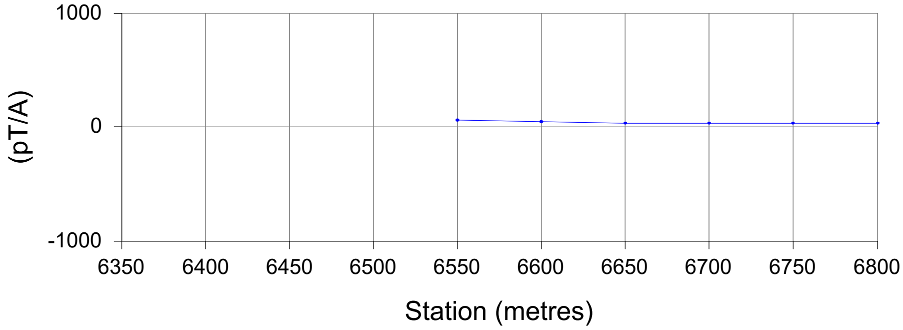
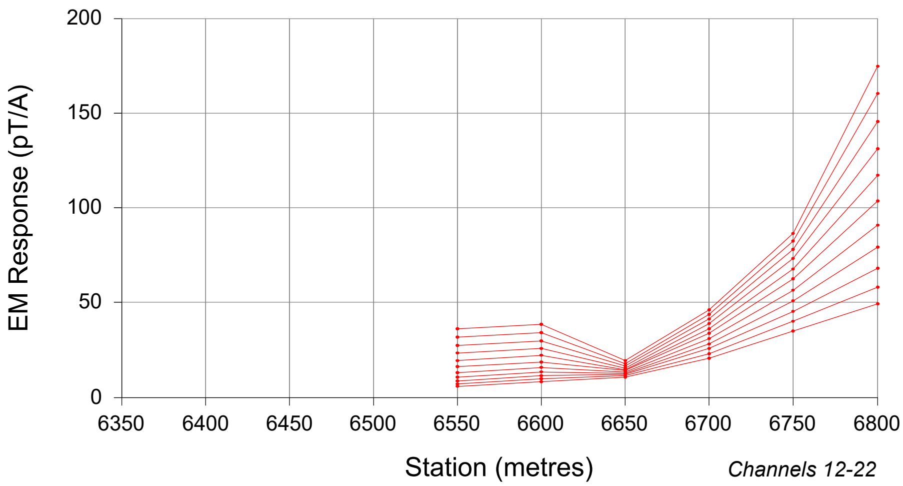
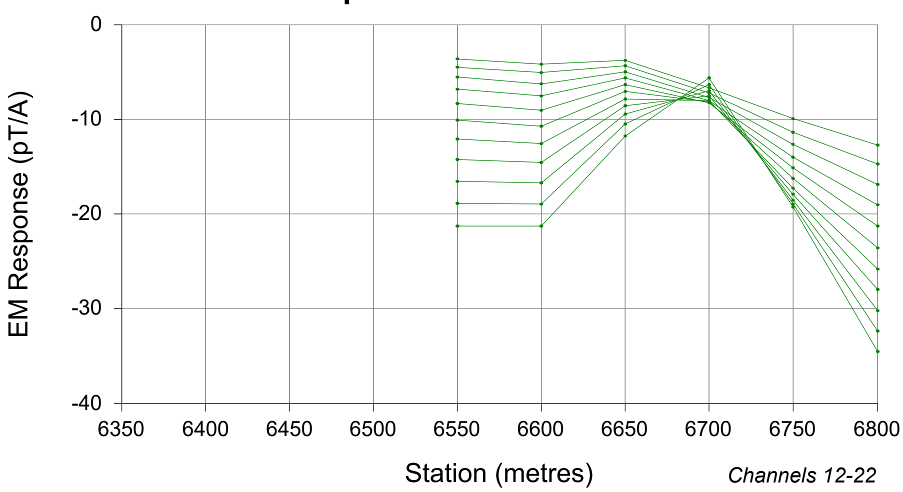
Y Primary Field



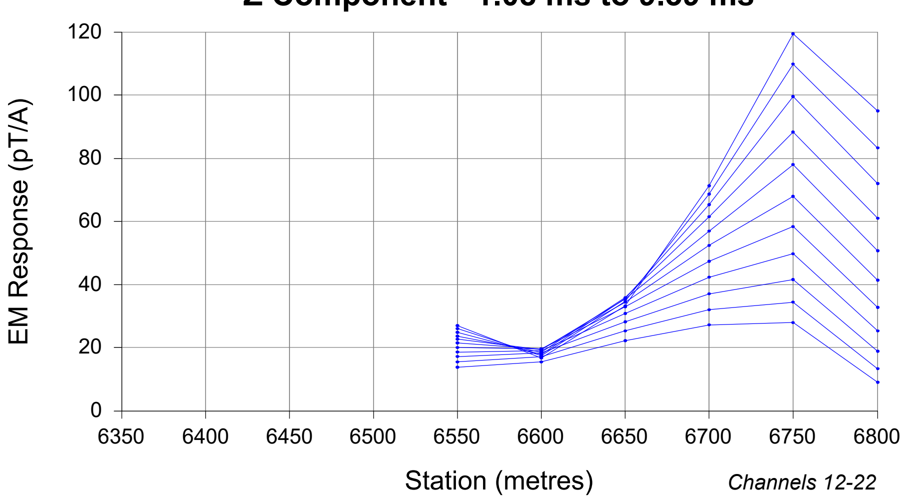
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

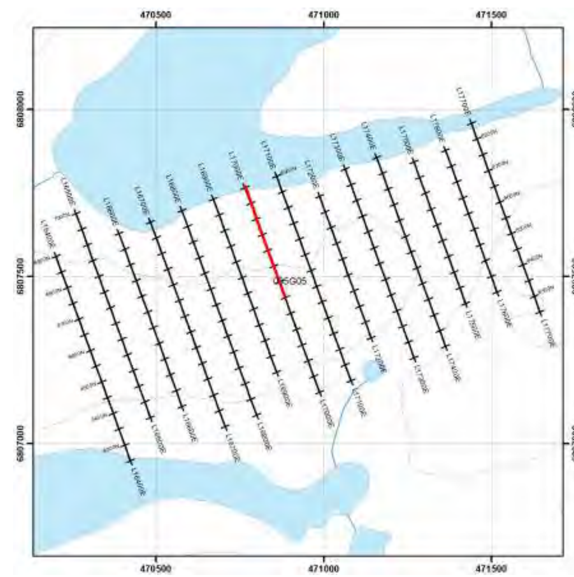
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 - 53.0 A
Turn Off	: 0.500 ms



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Scale 1:4500

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Slingram Survey

Line 17000E

Surveyed By: Joseph Cook

Survey Date: July 2021

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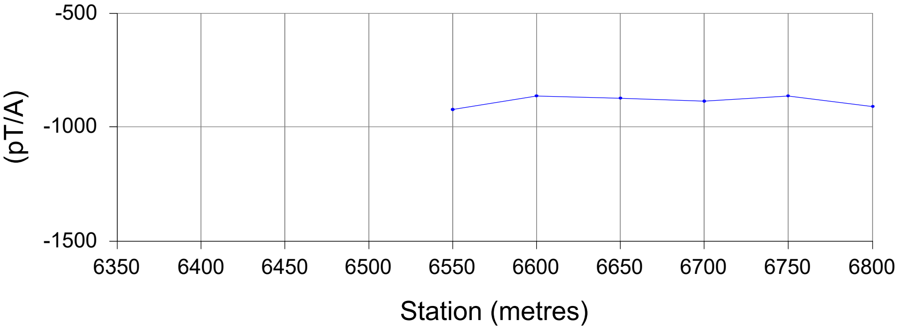
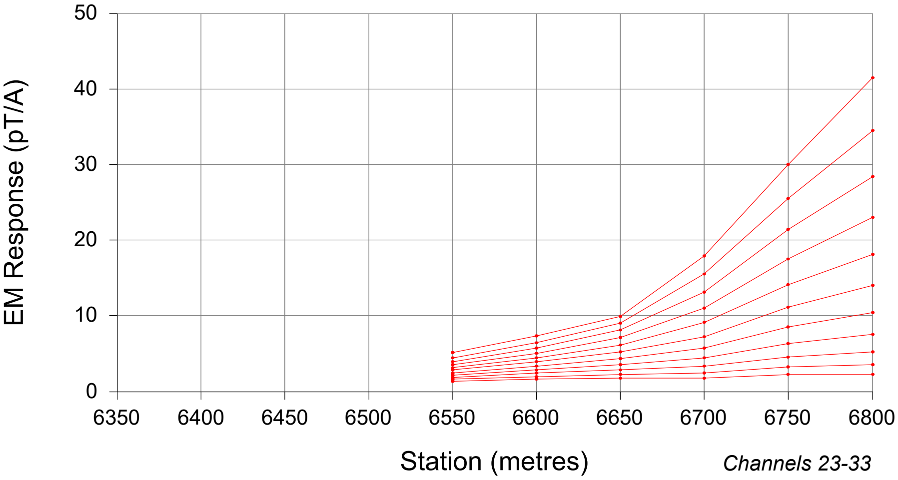
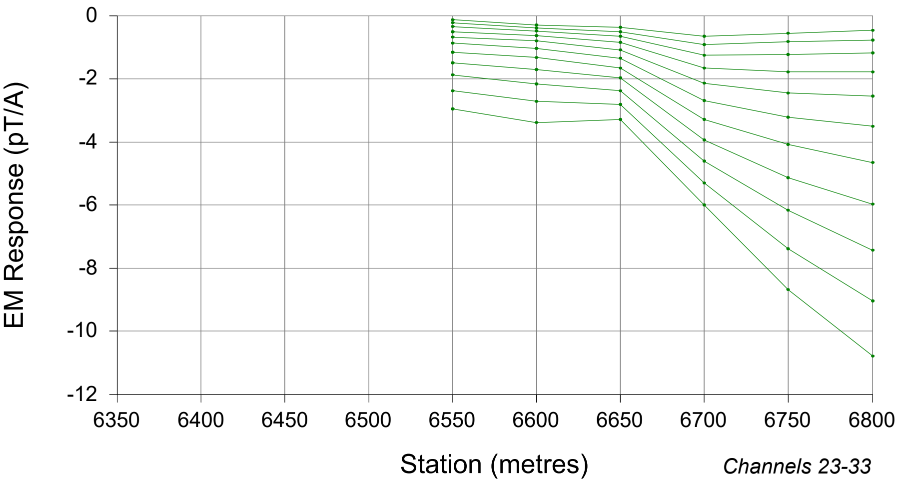
Z Primary Field



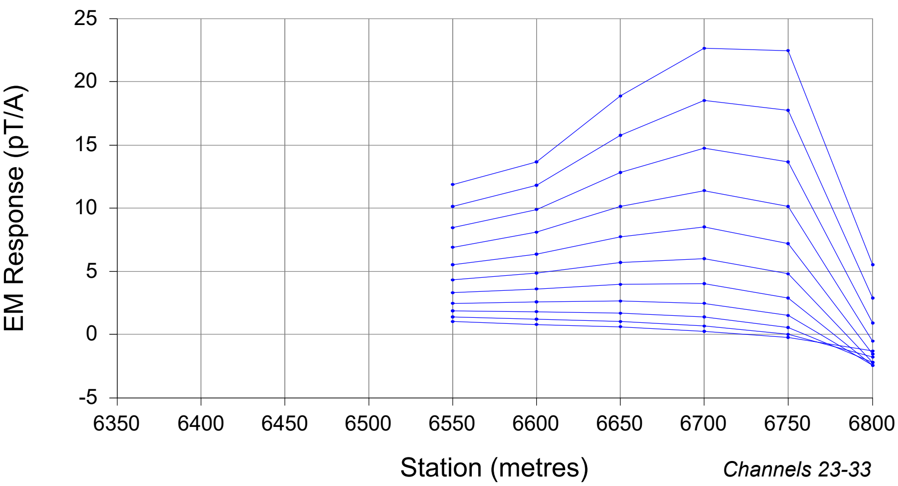
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

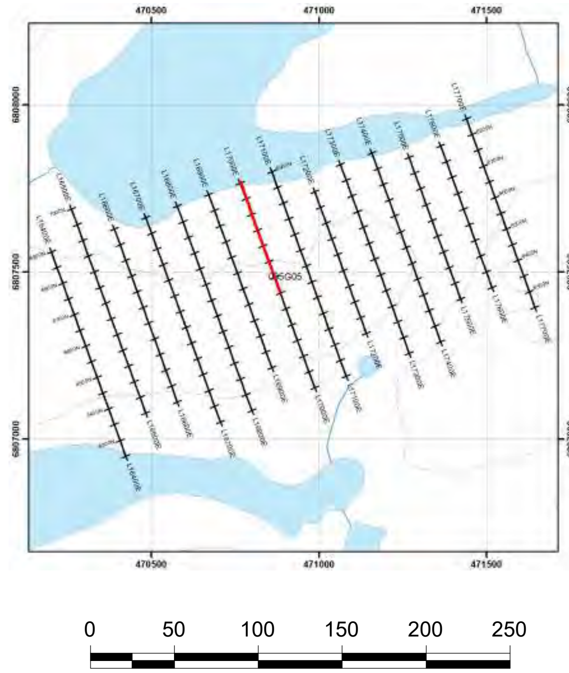
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 - 53.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Slingram Survey

Line 17000E

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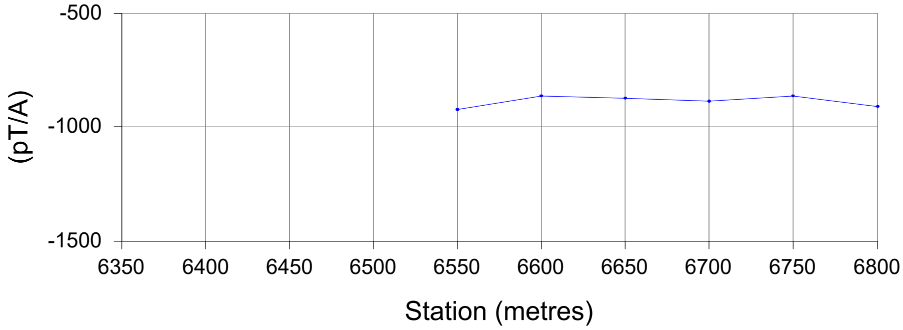
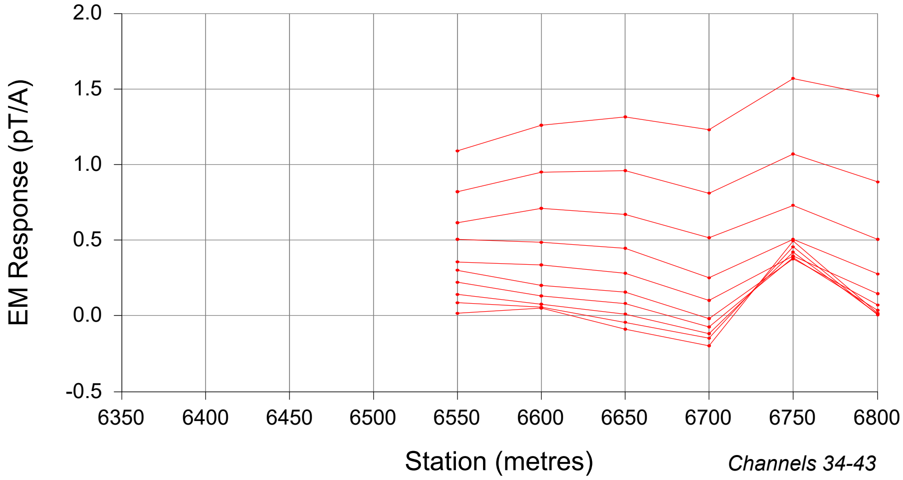
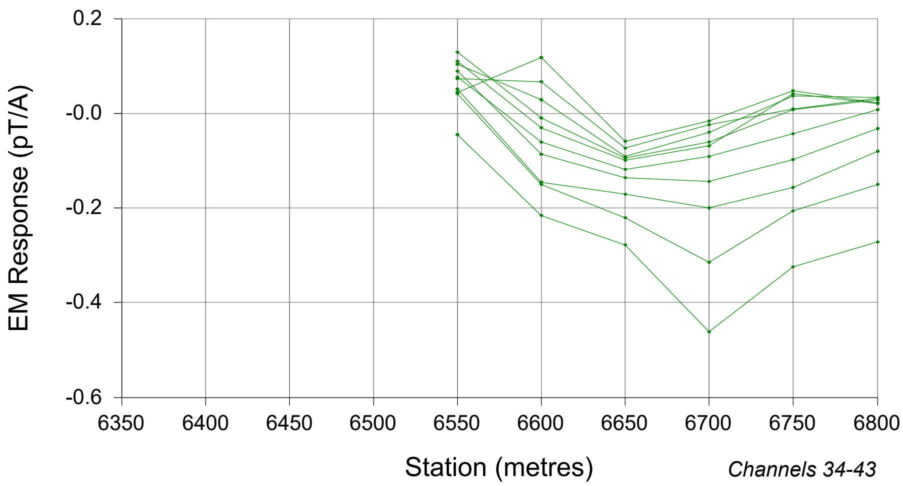
Z Primary Field



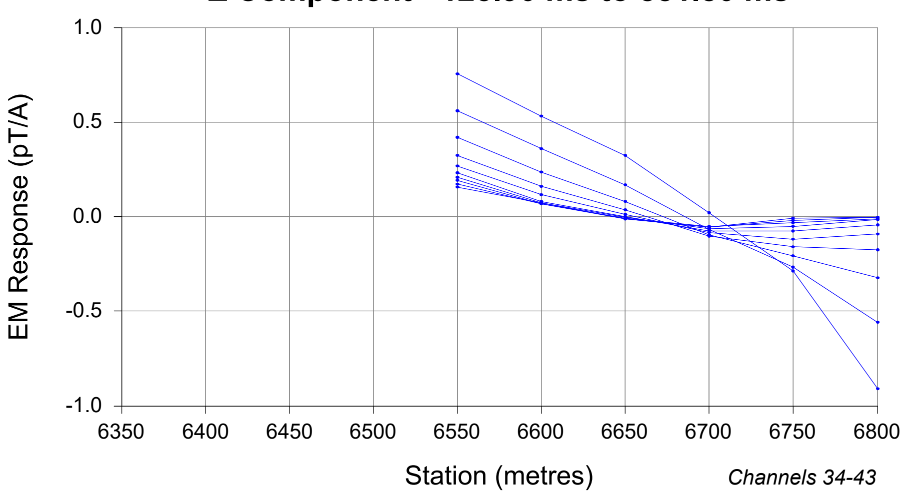
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

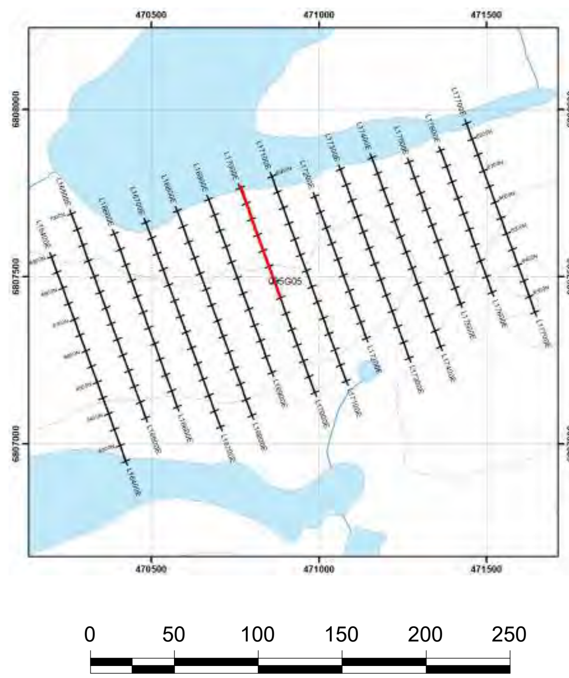
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 - 53.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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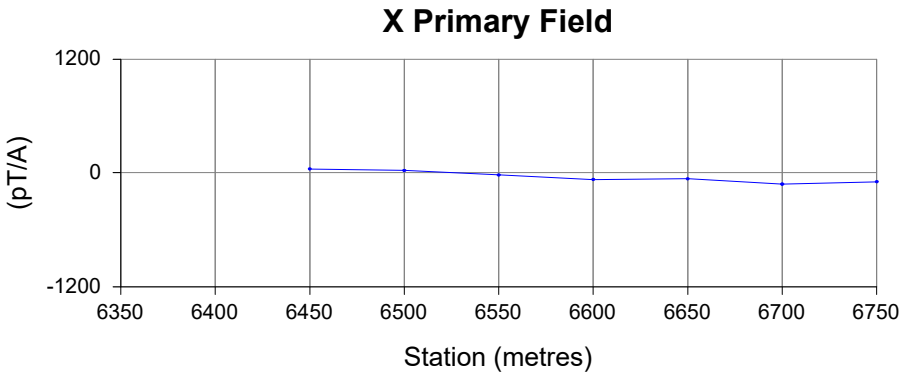
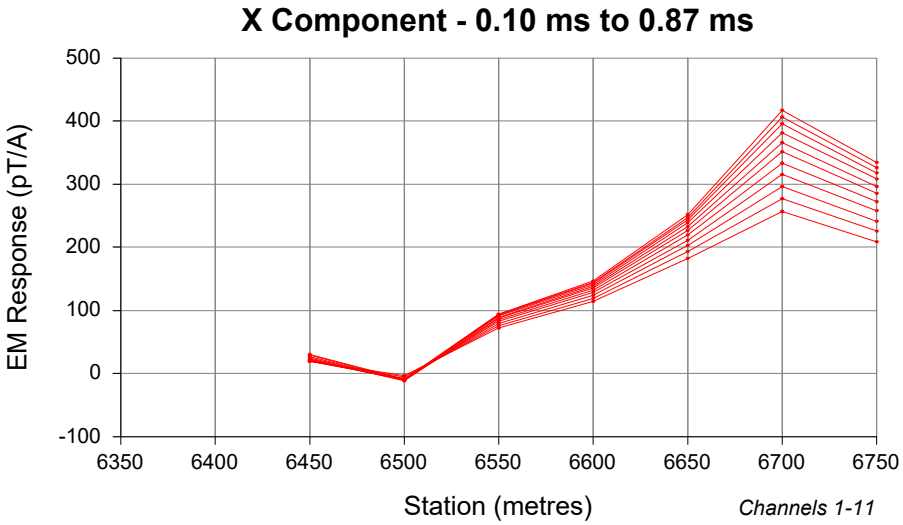
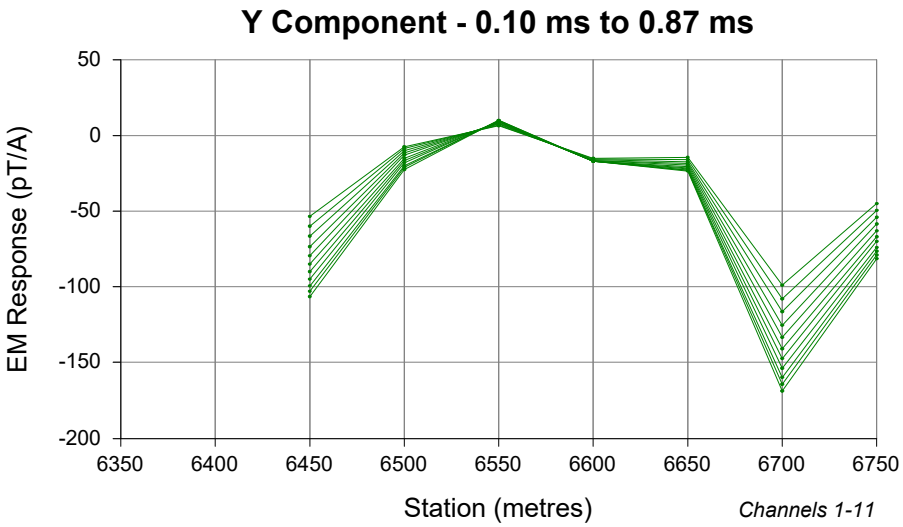
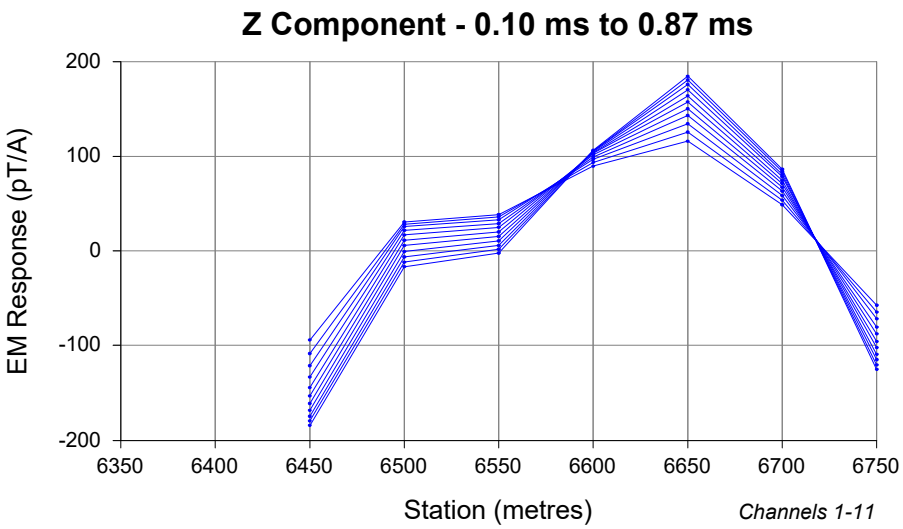








SURVEY PARAMETERS

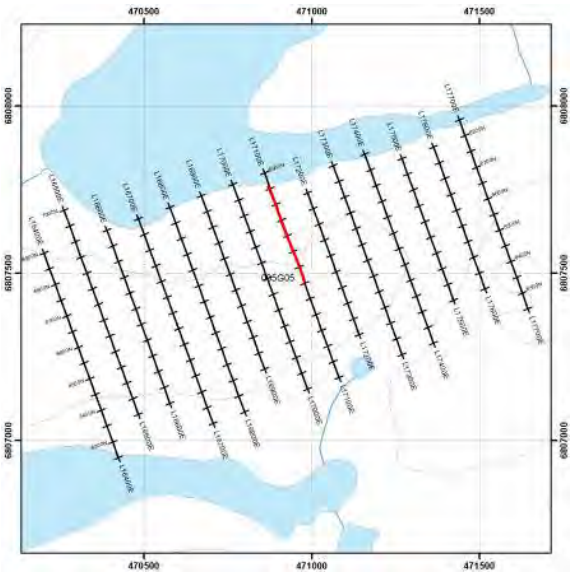
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 17100E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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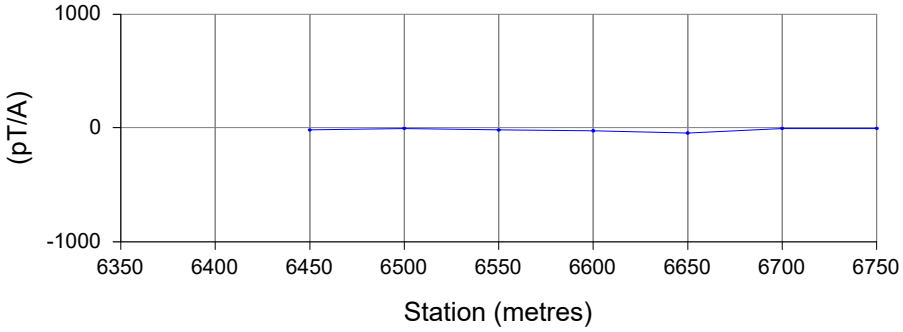
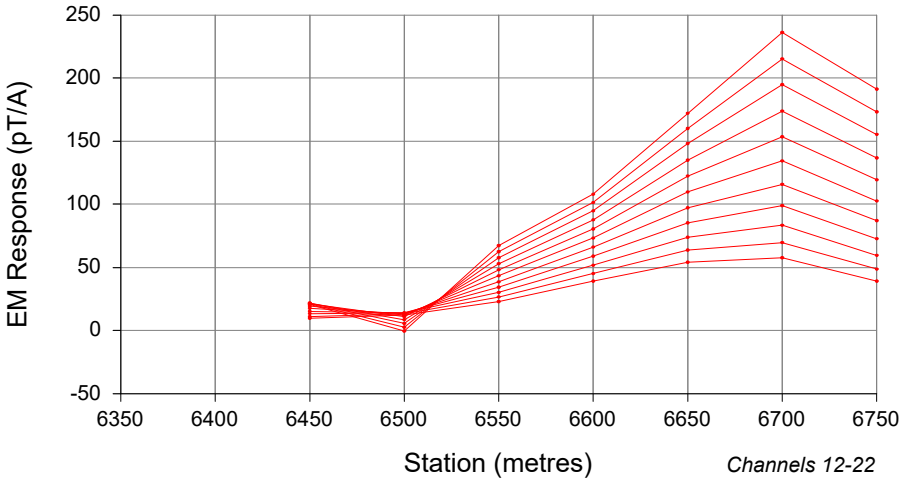
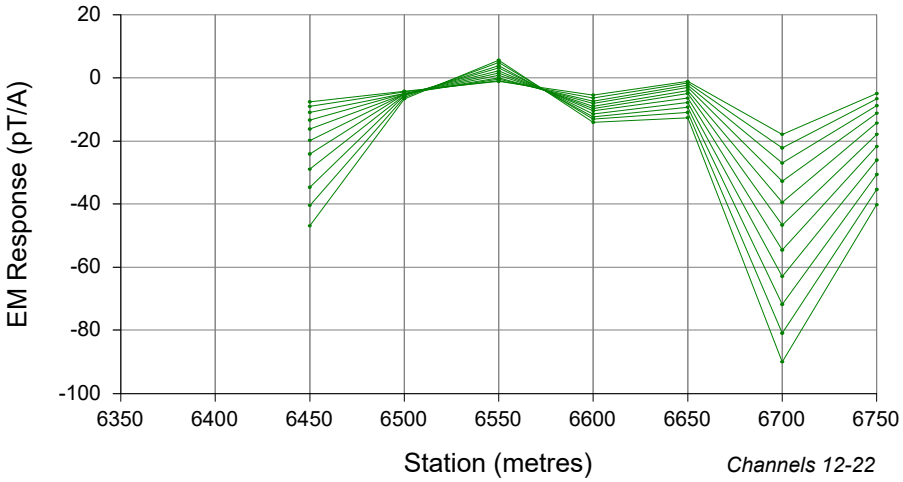
Y Primary Field



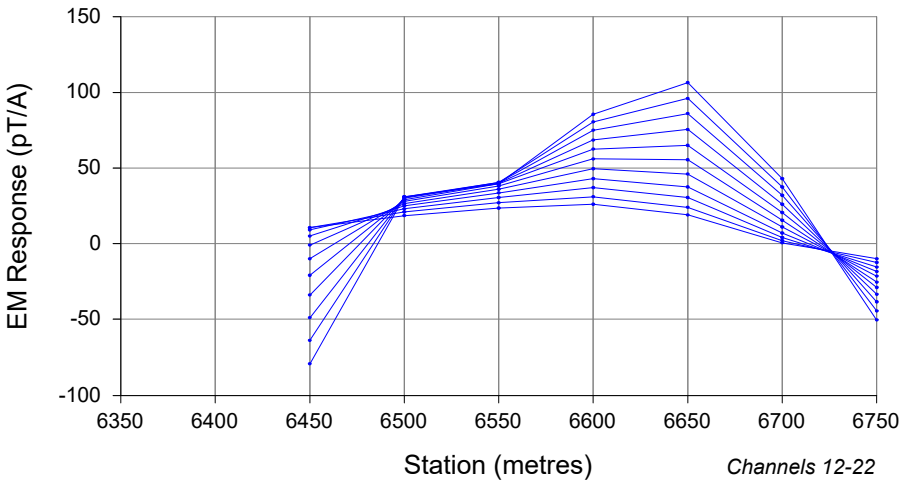
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

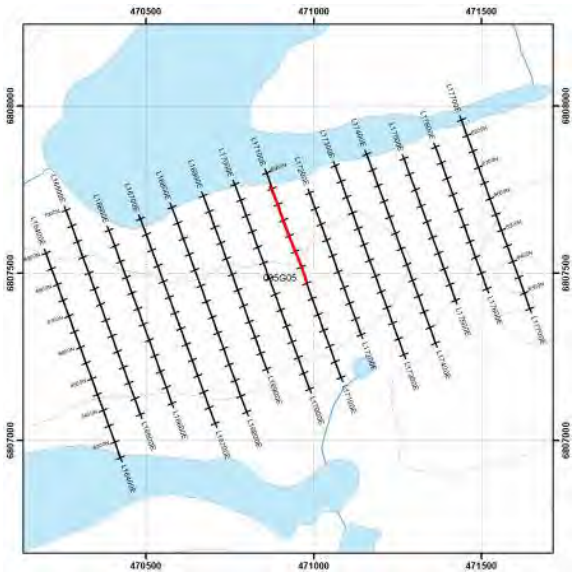
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 17100E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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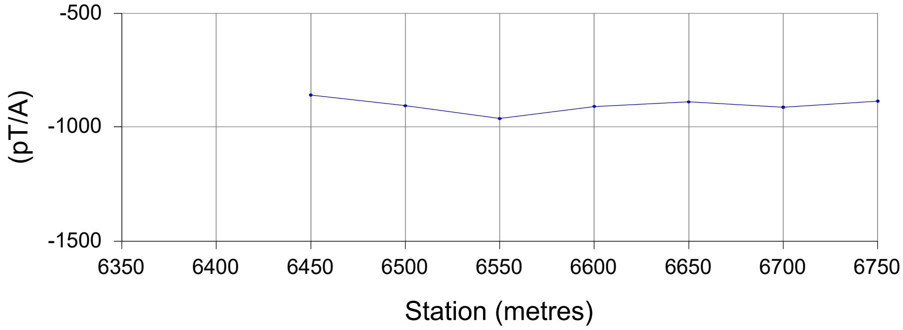
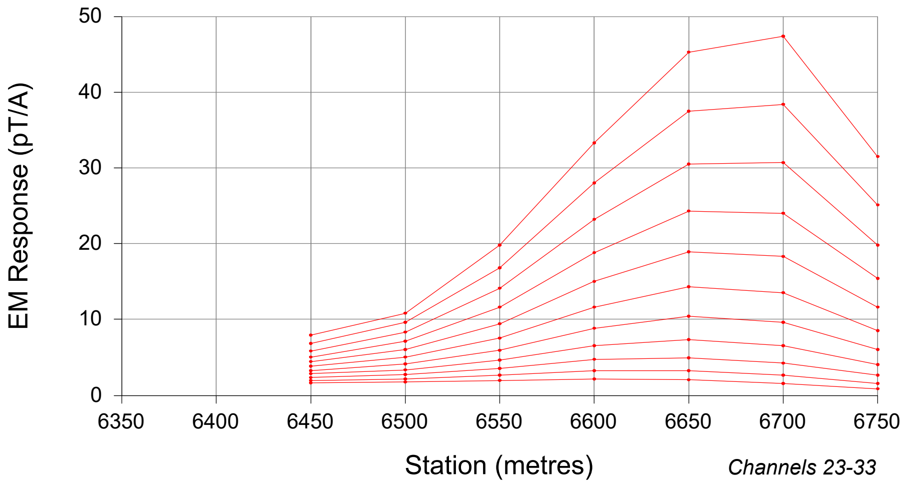
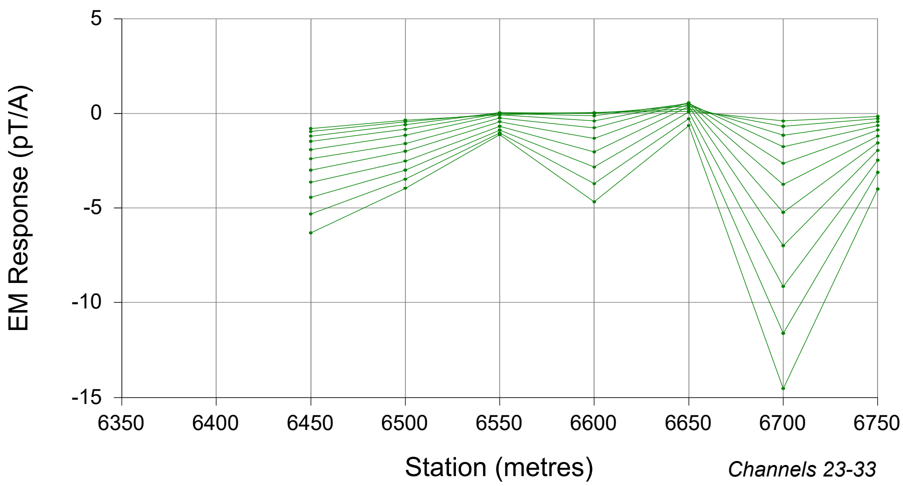
Z Primary Field



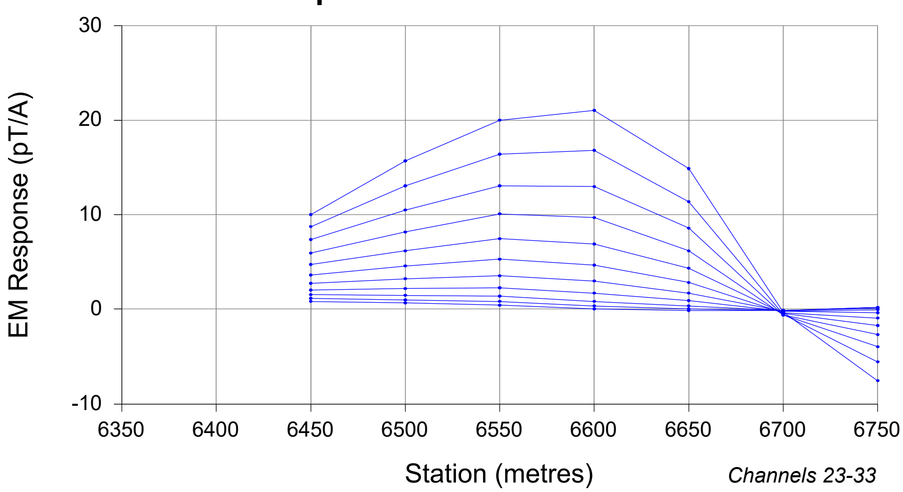
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

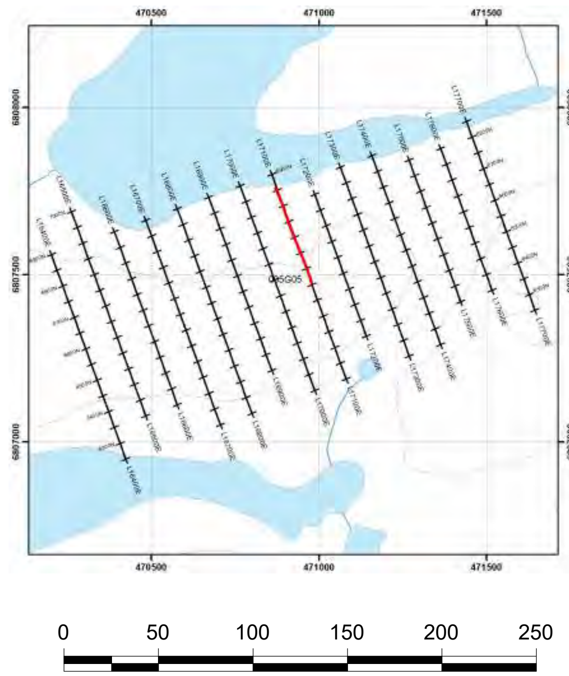
Configuration : Slingram
Station Spacing : 0-50 m
Rx-Tx Offset : 200 m

RECEIVER

Receiver : SMARTem24
Frequency : 0.25 Hz
Component : Z, X, Y
Rx Sensor : Supracon HT SQUID
Rx Serial Number : JD433

TRANSMITTER

Transmitter : Phoenix TXU-30
Tx Loop Side : 200 m x 400 m
Tx Turns : 1
Tx Current : 50.0 A
Turn Off : 0.500 ms



Scale 1:4000

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Line 17100E

Surveyed By: Mohamed Haiba
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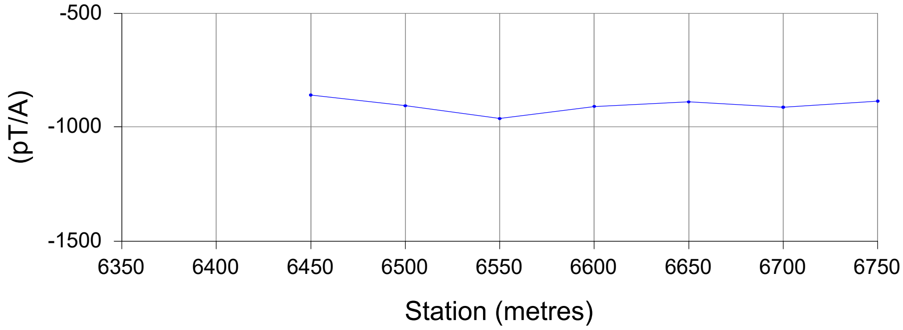
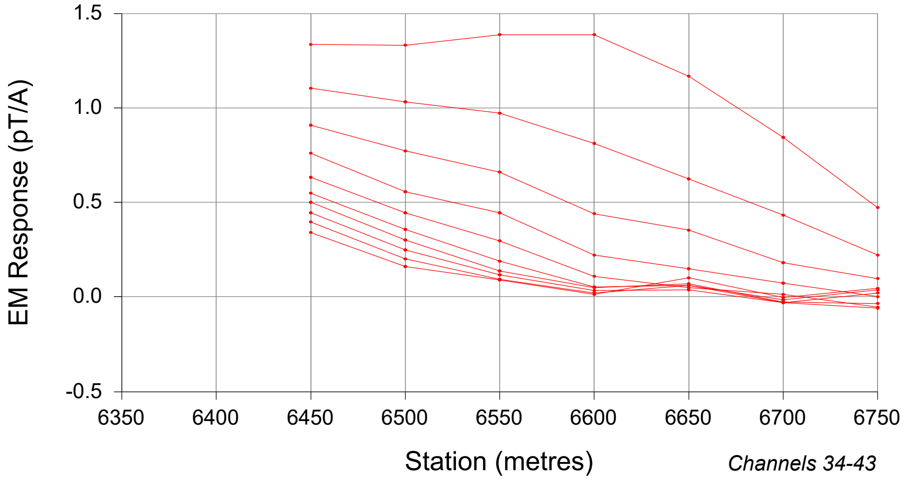
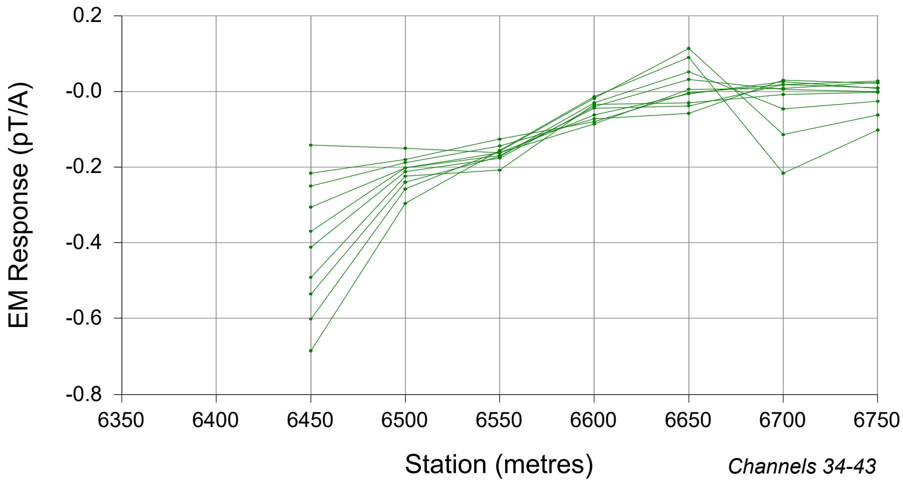
Z Primary Field



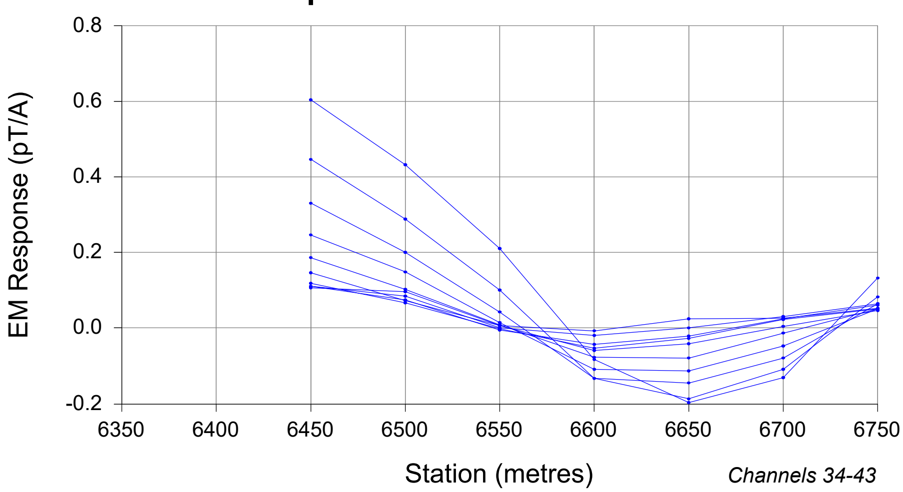
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

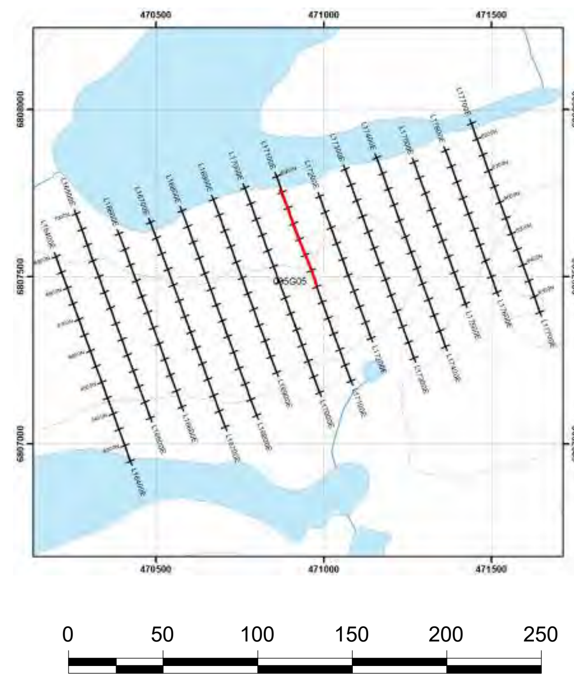
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

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Slingram Survey

Line 17100E

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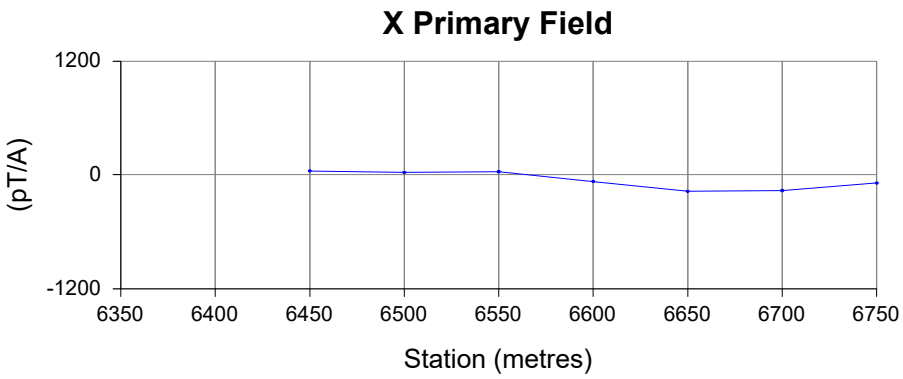
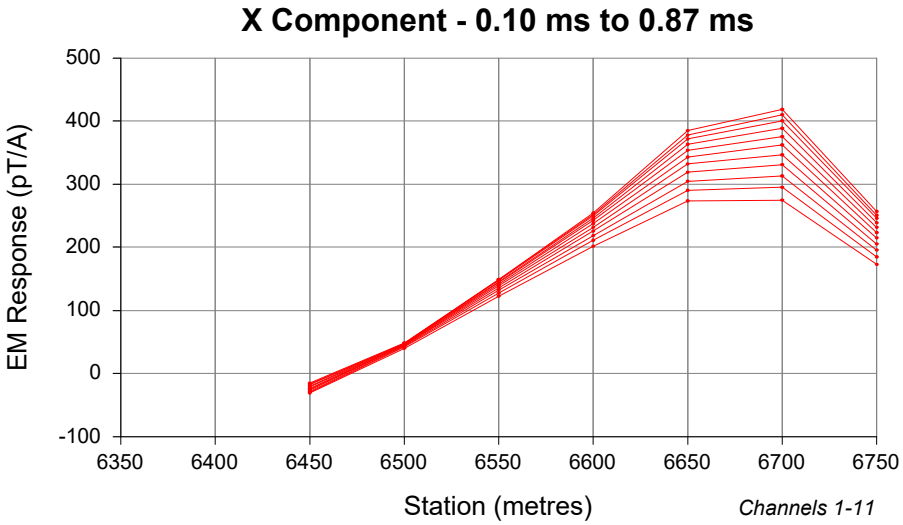
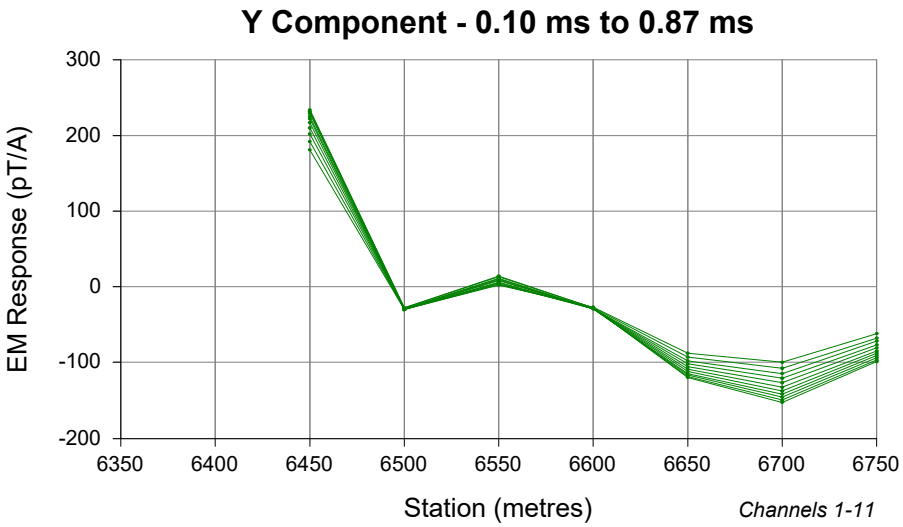
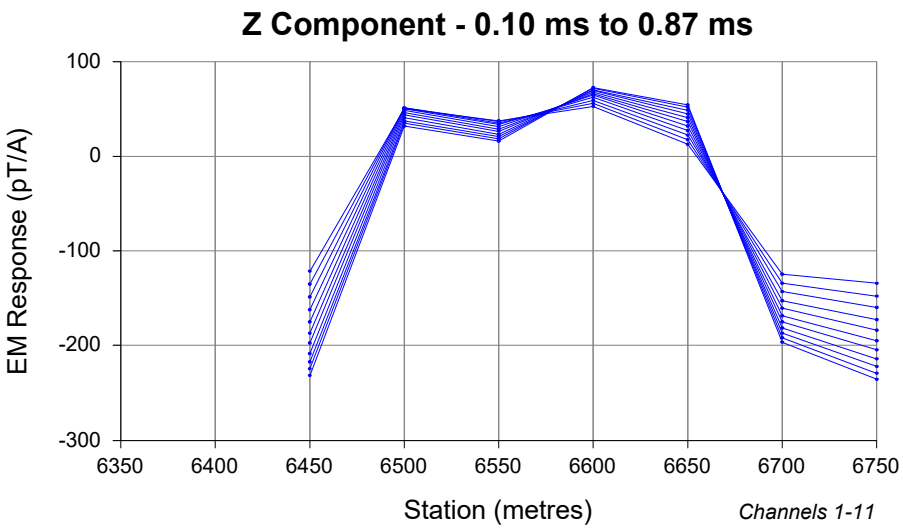








SURVEY PARAMETERS

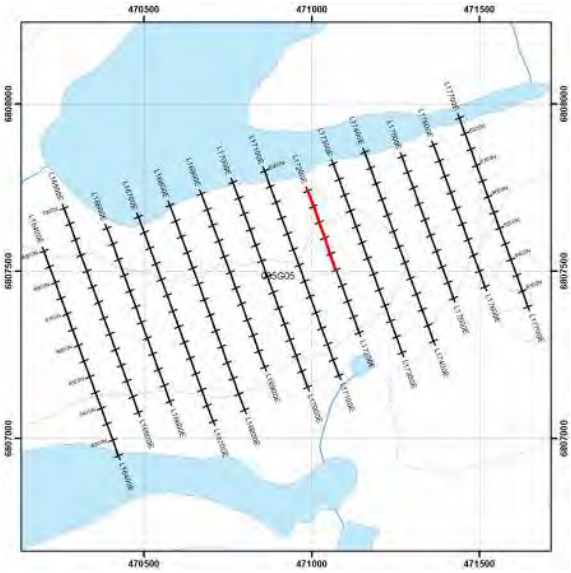
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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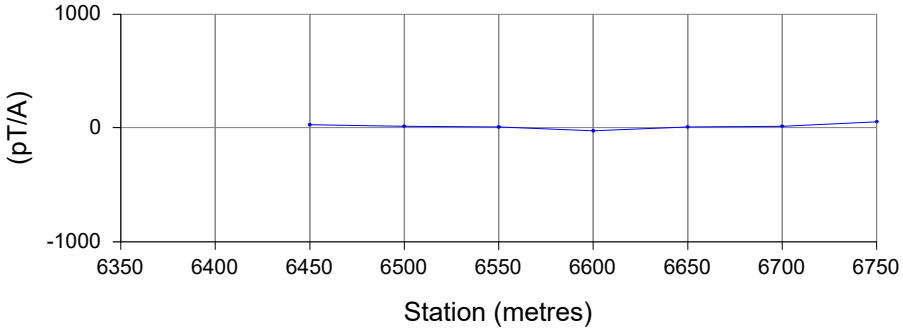
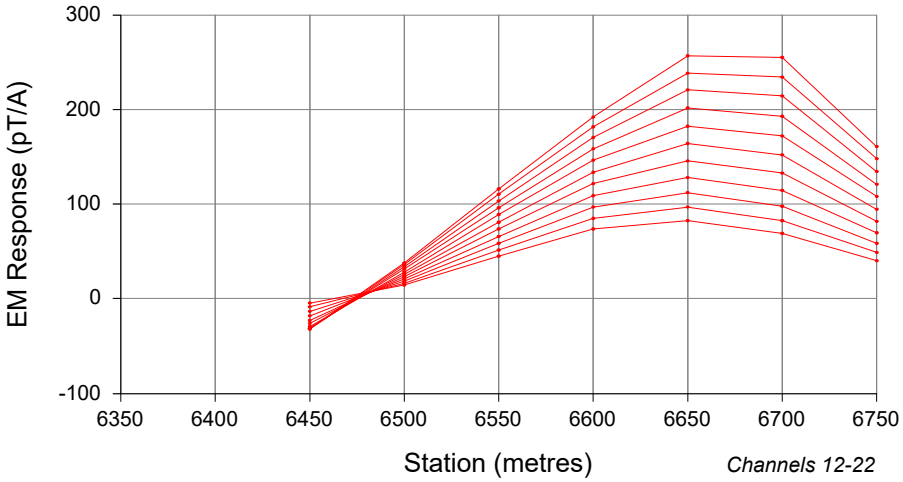
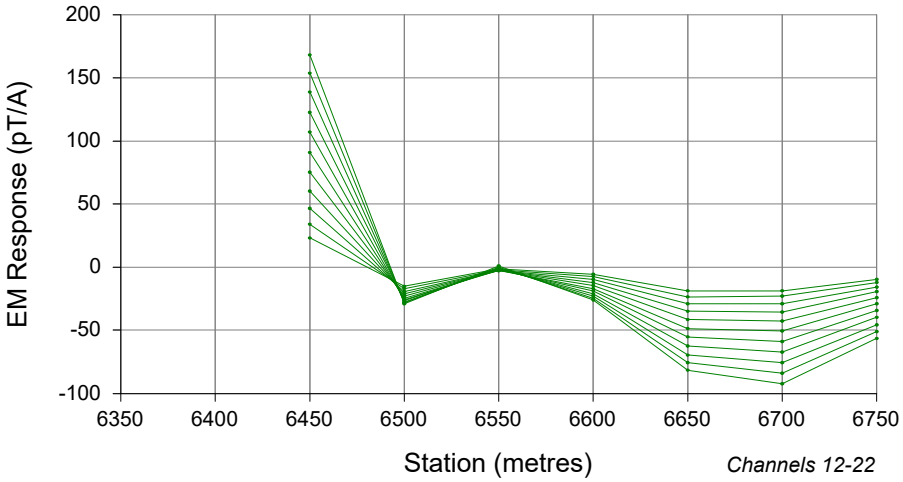
Y Primary Field



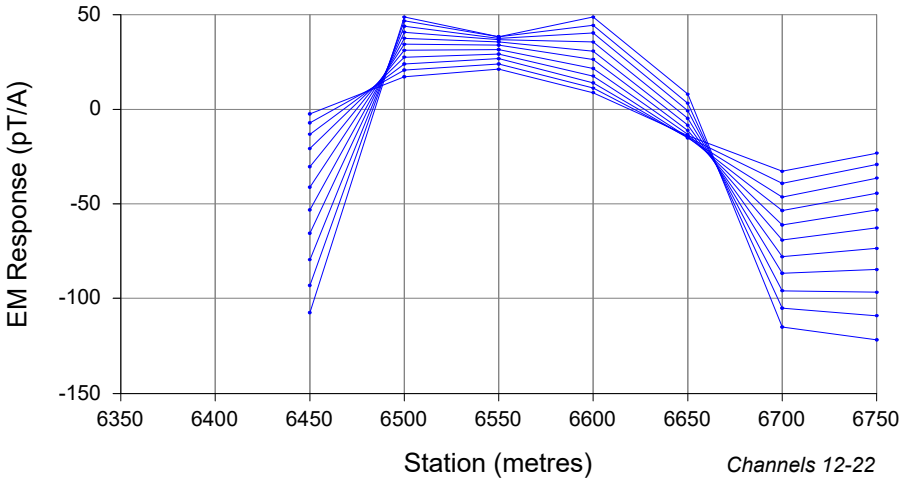
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

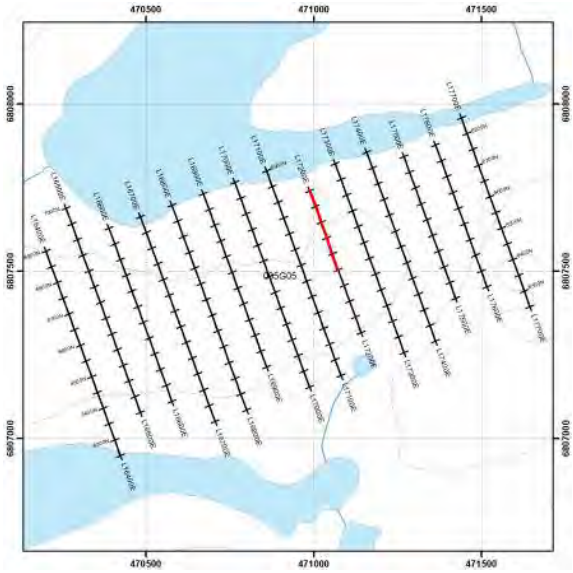
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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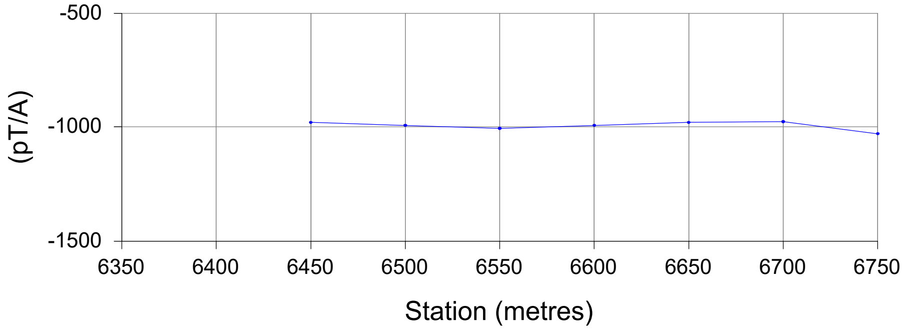
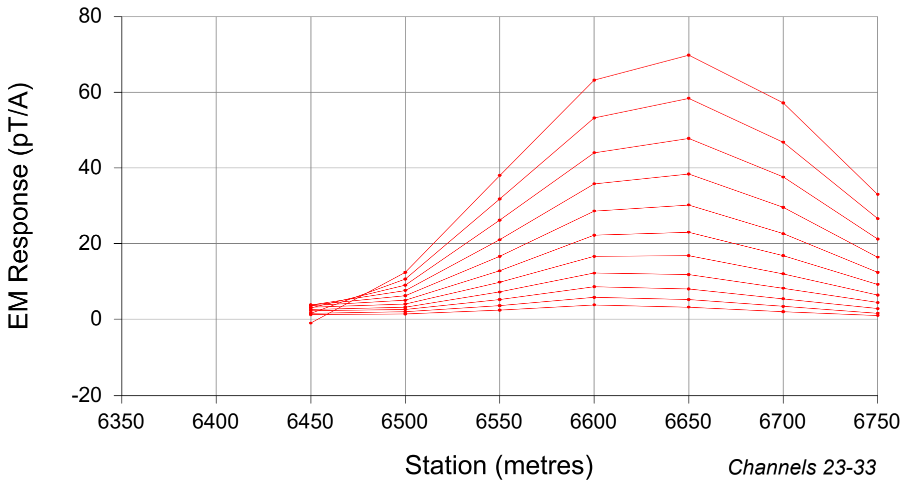
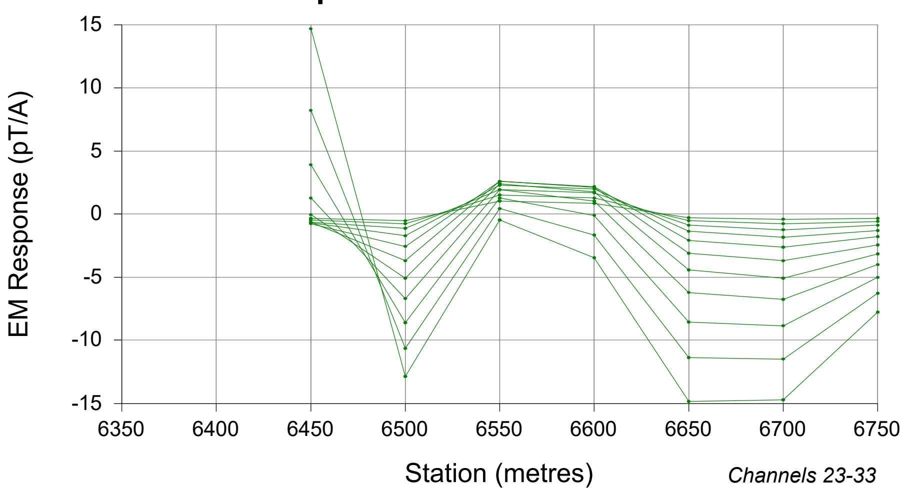
Z Primary Field



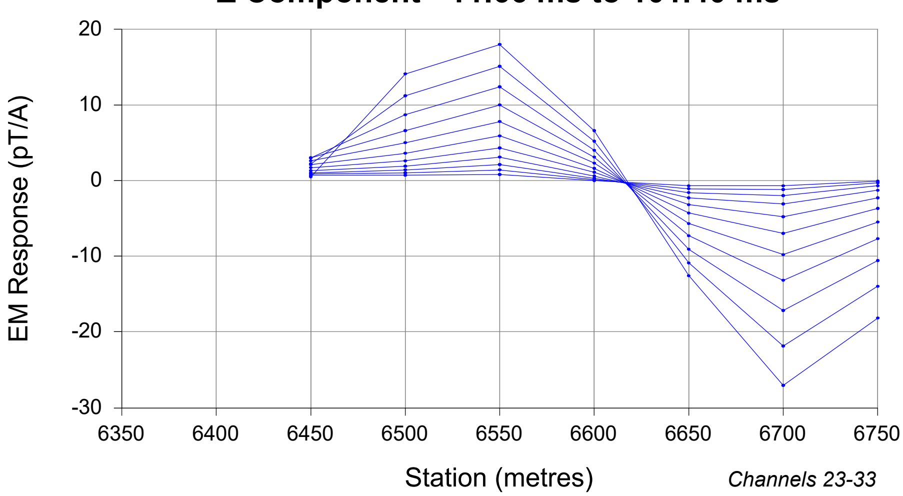
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

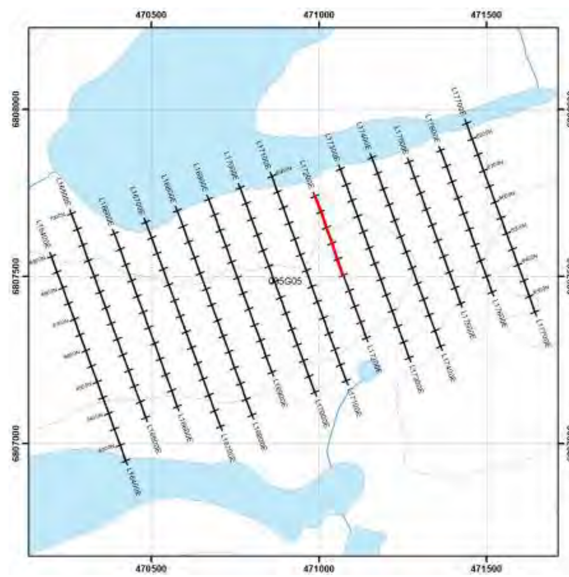
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

Scale 1:4000

Orford Mining Corp.
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Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Cole Smytaniuk

Survey Date: July 2021

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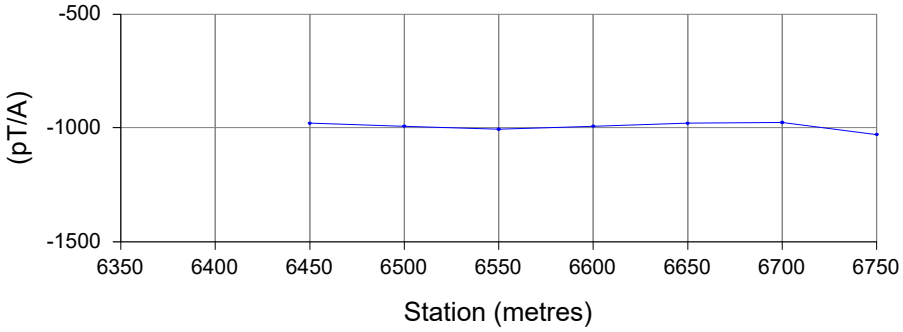
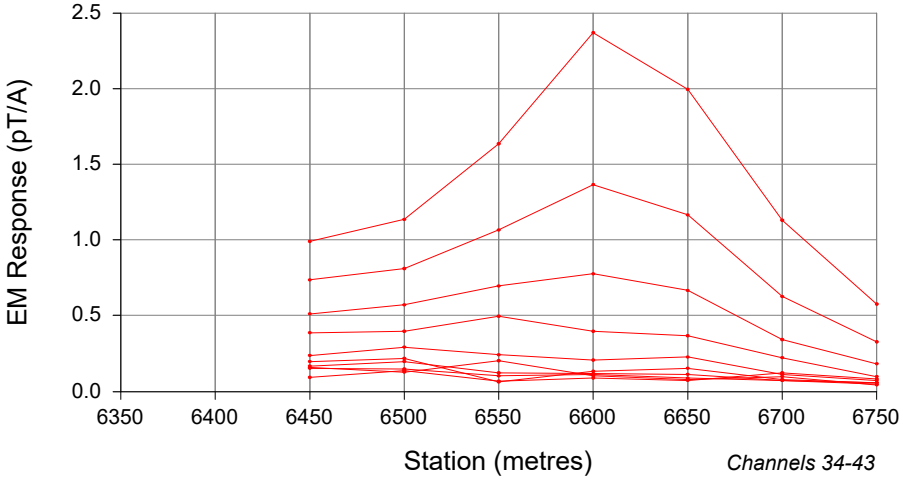
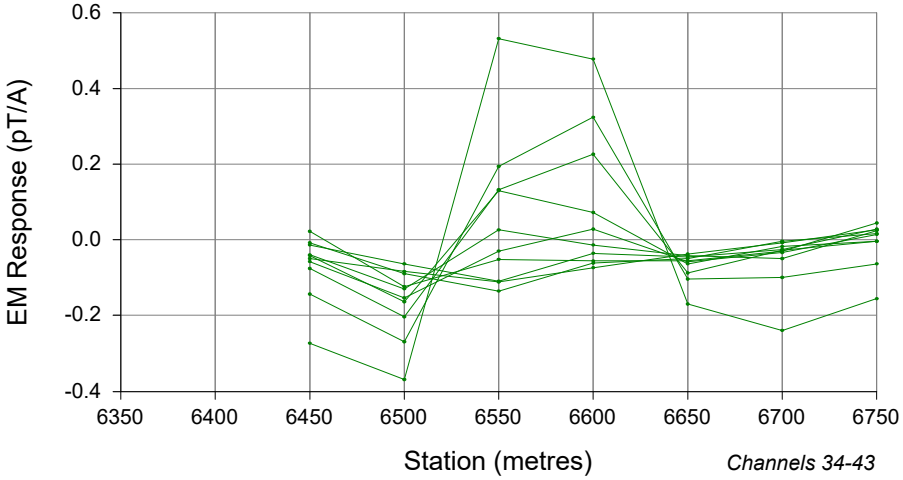
Z Primary Field



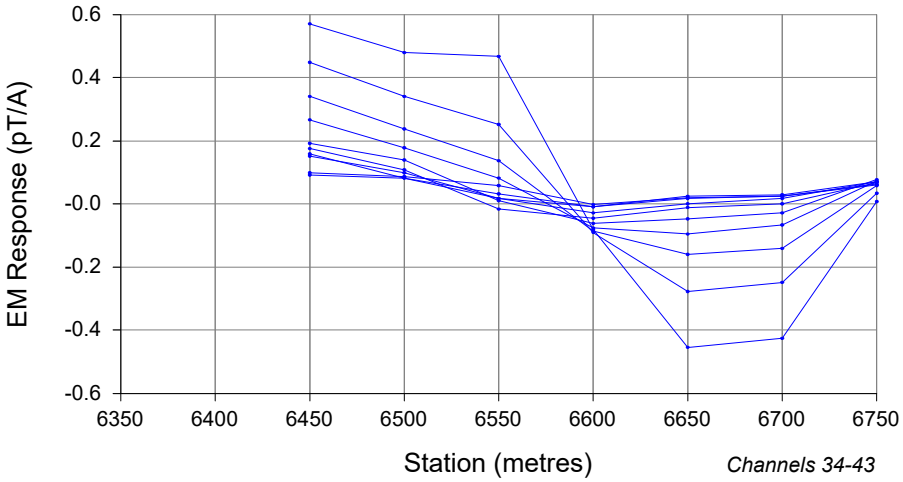
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

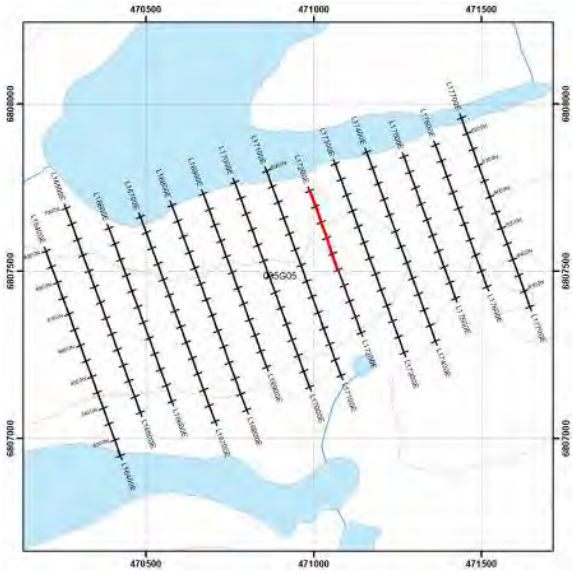
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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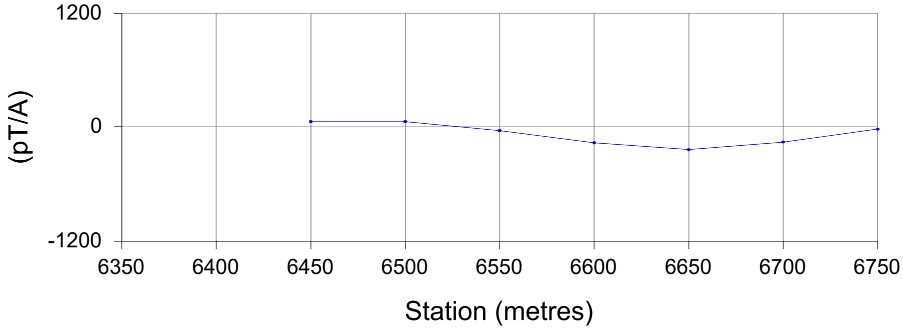
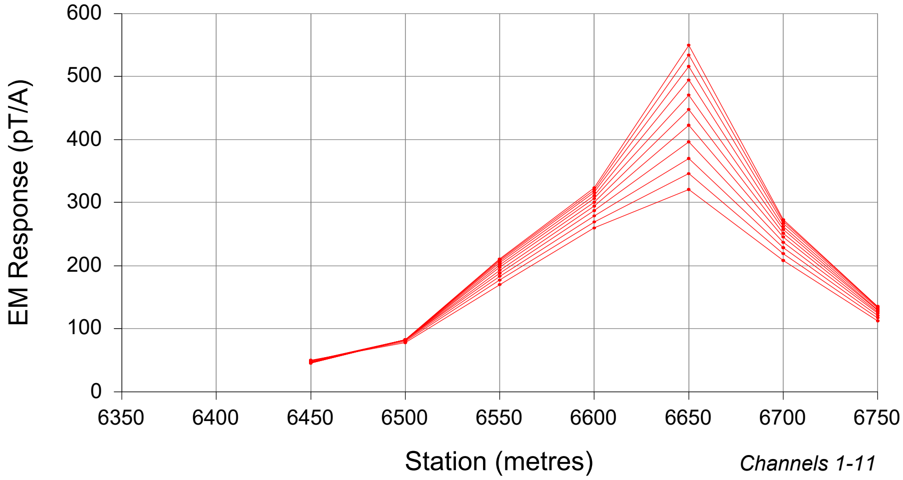
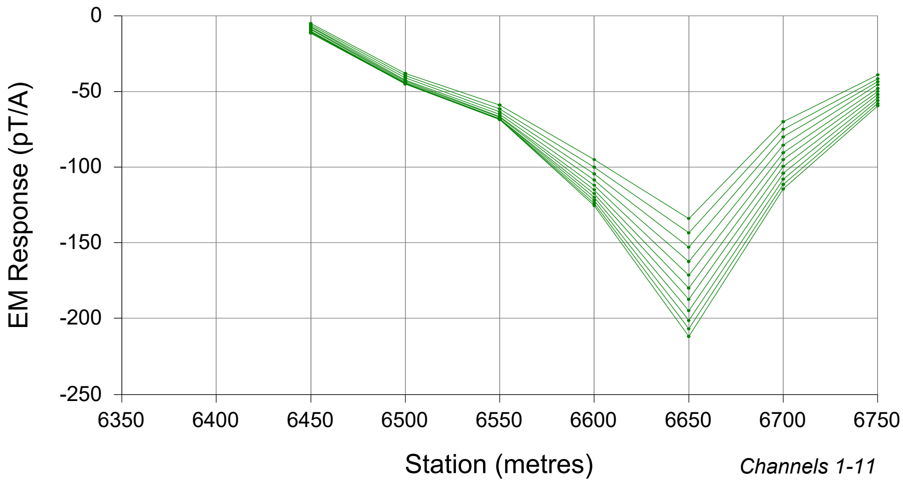
X Primary Field



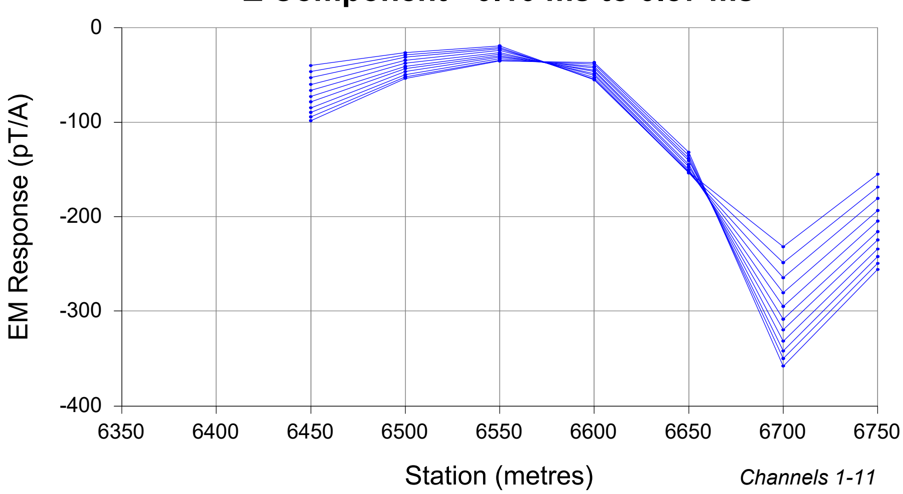
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

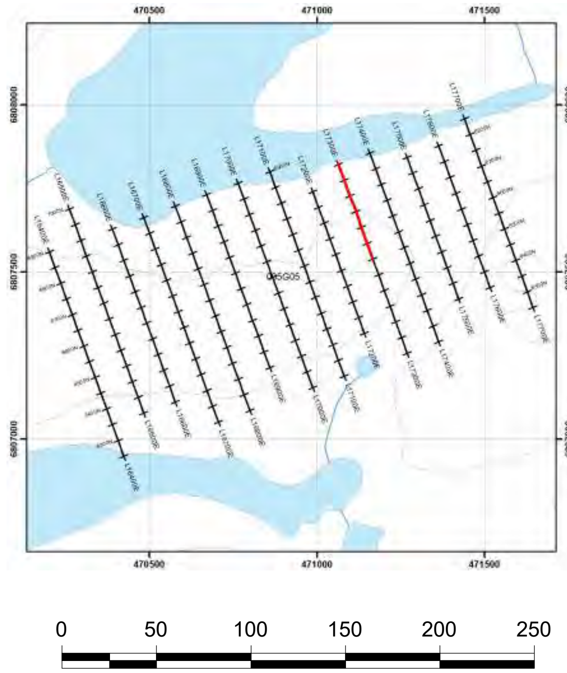
Configuration : Slingram
Station Spacing : 0-50 m
Rx-Tx Offset : 200 m

RECEIVER

Receiver : SMARTem24
Frequency : 0.25 Hz
Component : Z, X, Y
Rx Sensor : Supracon HT SQUID
Rx Serial Number : JD413

TRANSMITTER

Transmitter : Phoenix TXU-30
Tx Loop Side : 200 m x 400 m
Tx Turns : 1
Tx Current : 50.0 A
Turn Off : 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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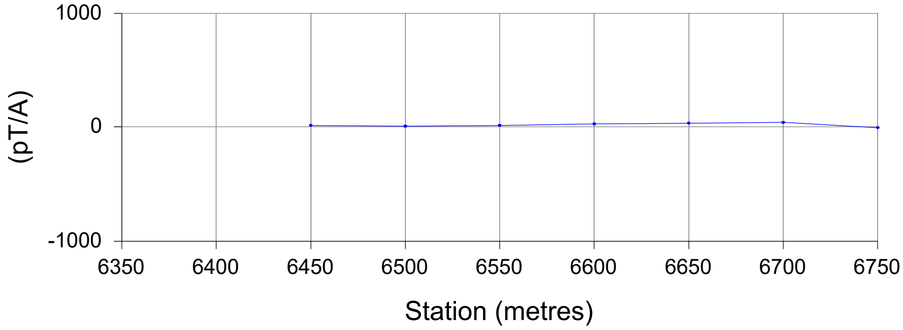
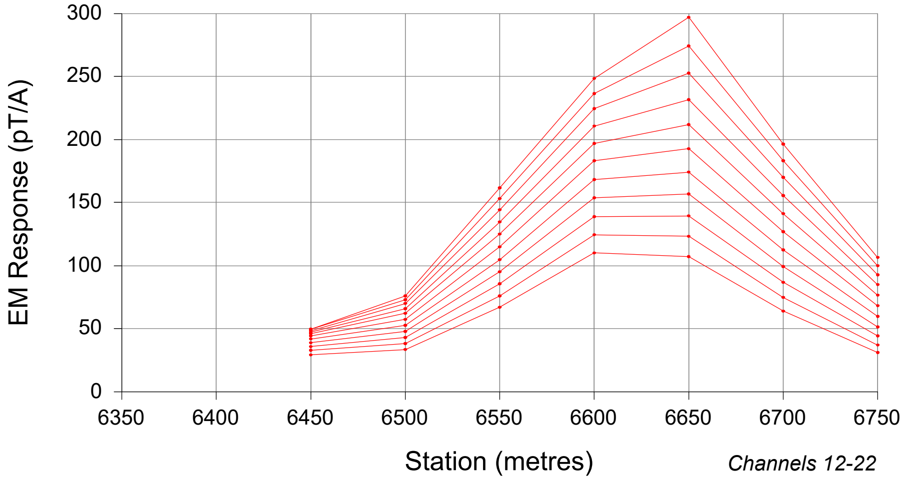
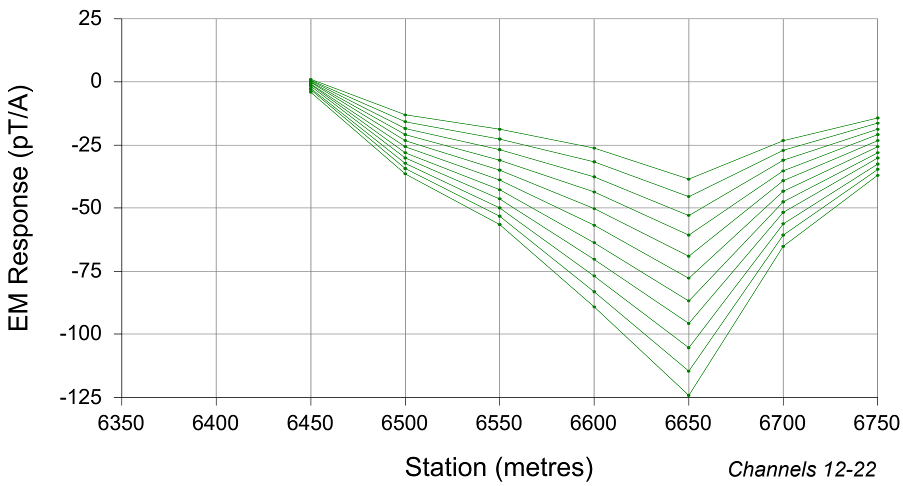
Y Primary Field



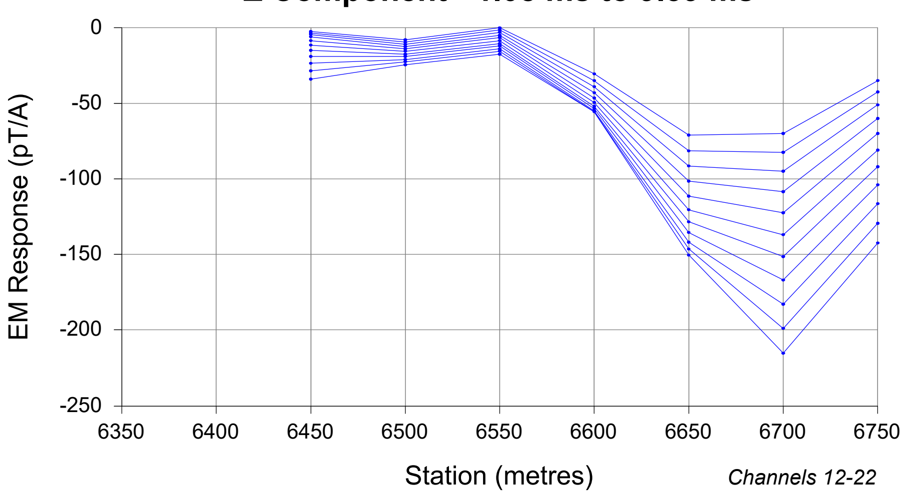
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

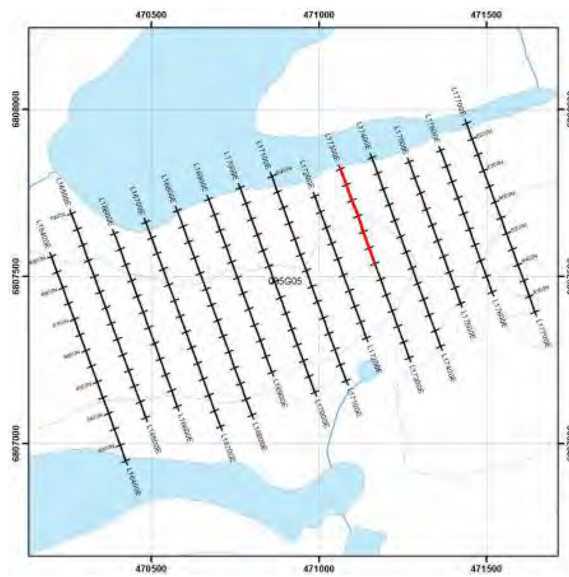
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

Scale 1:4000

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Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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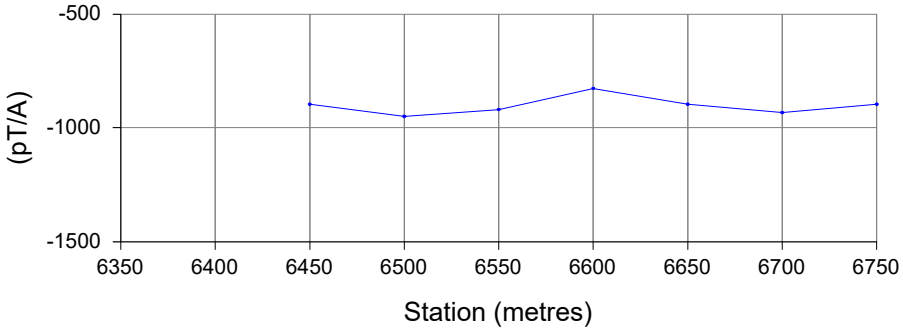
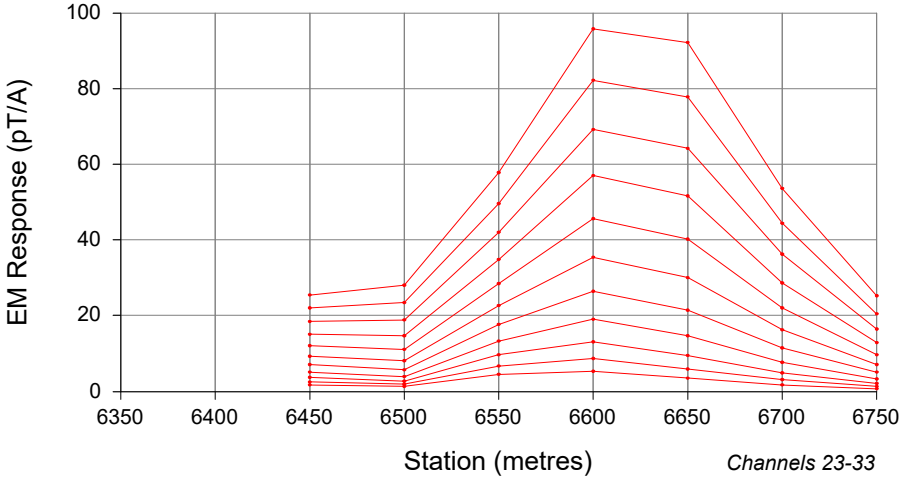
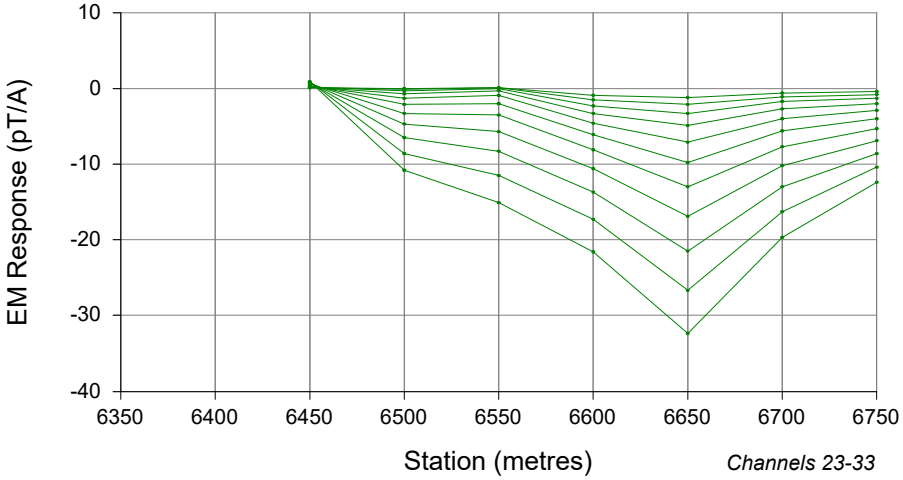
Z Primary Field



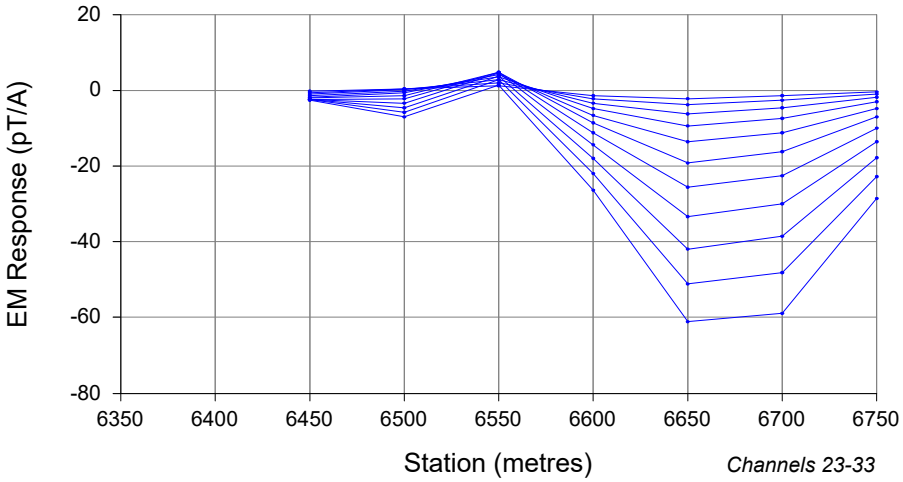
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

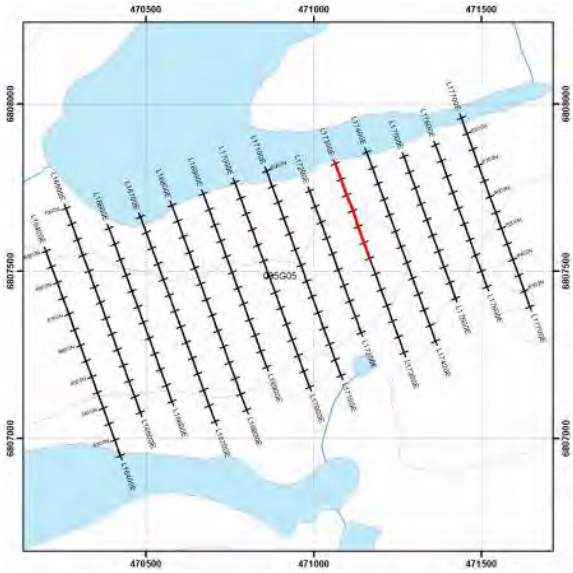
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

Scale 1:4000

Orford Mining Corp.
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Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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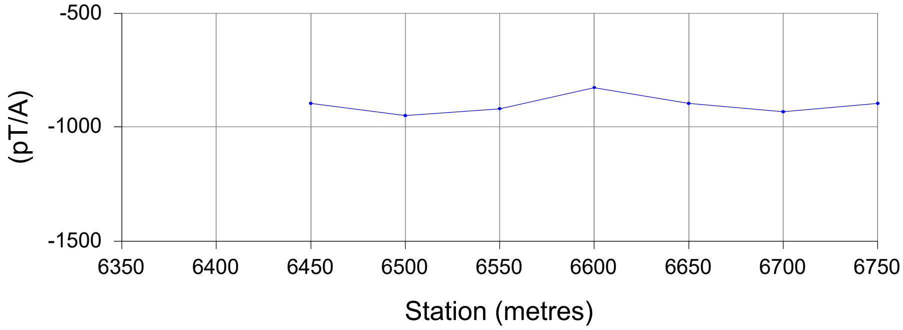
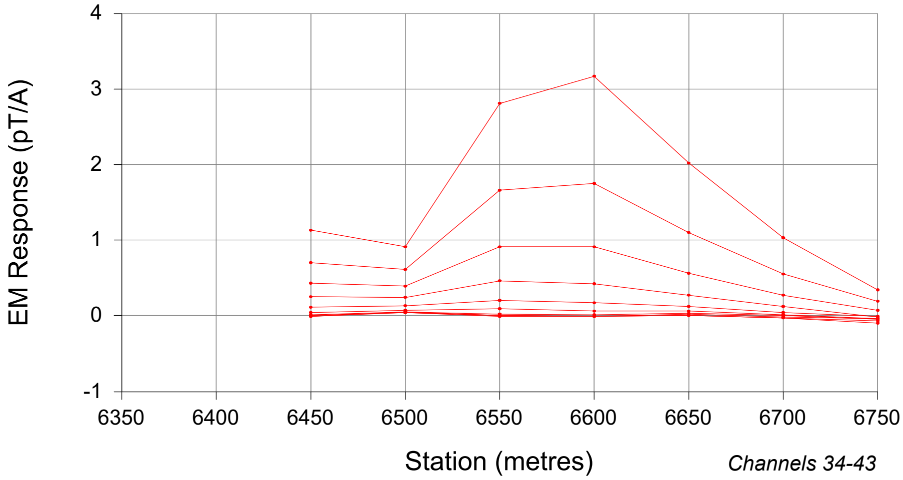
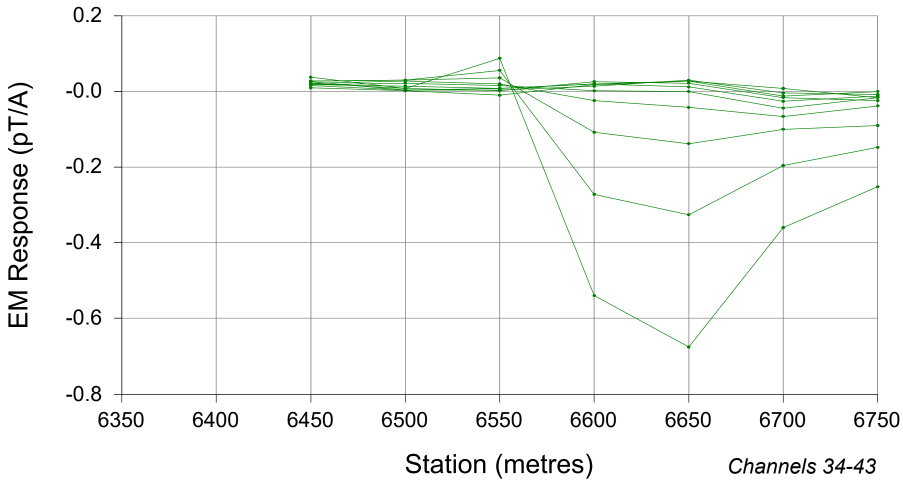
Z Primary Field



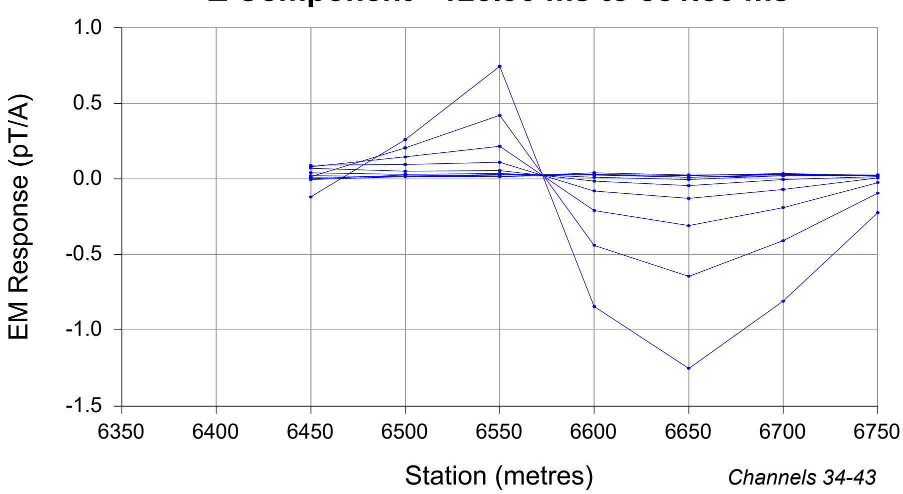
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

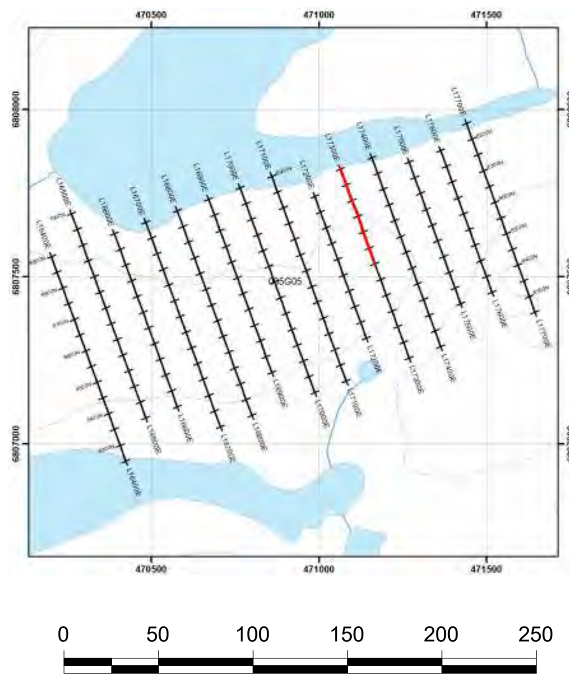
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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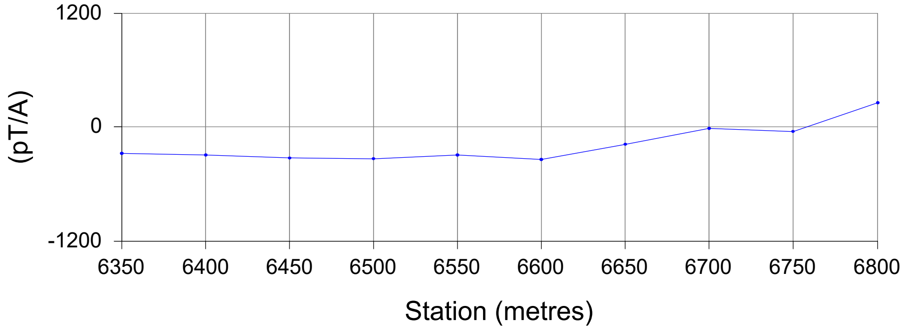
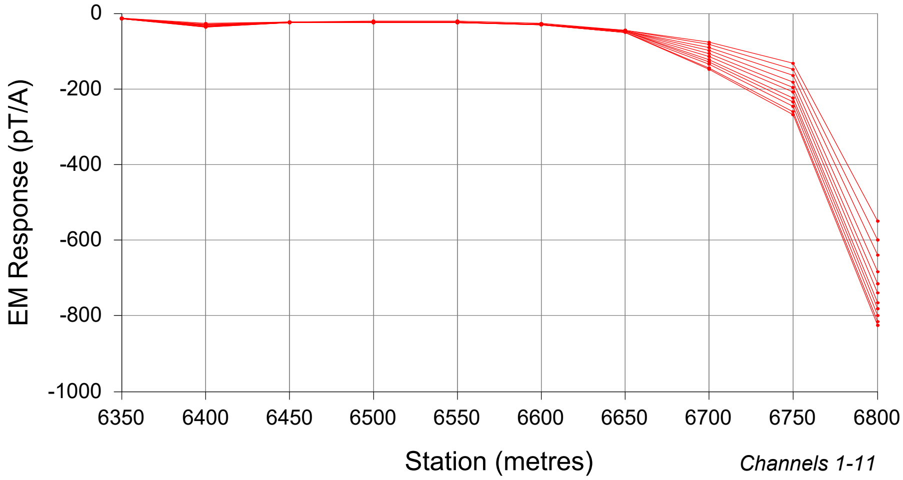
APPENDIX D – BOOMERANG CENTER MLTEM PROFILE PLOTS

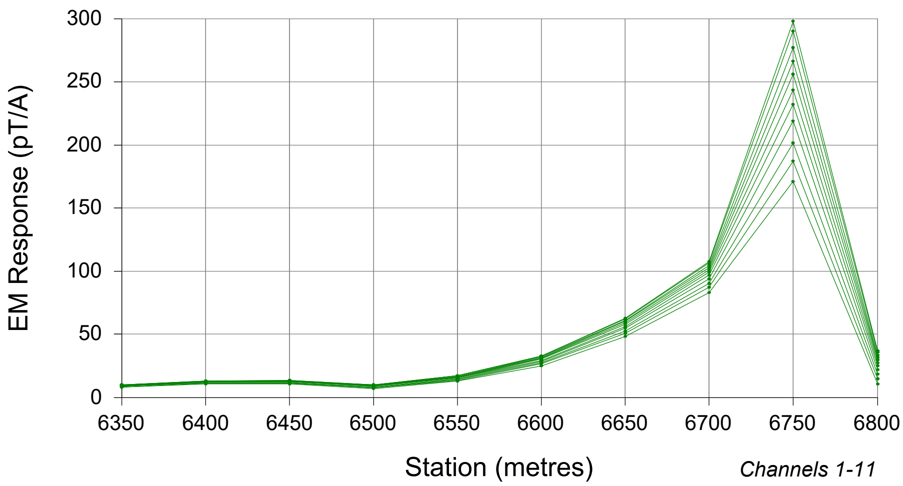
X Primary Field



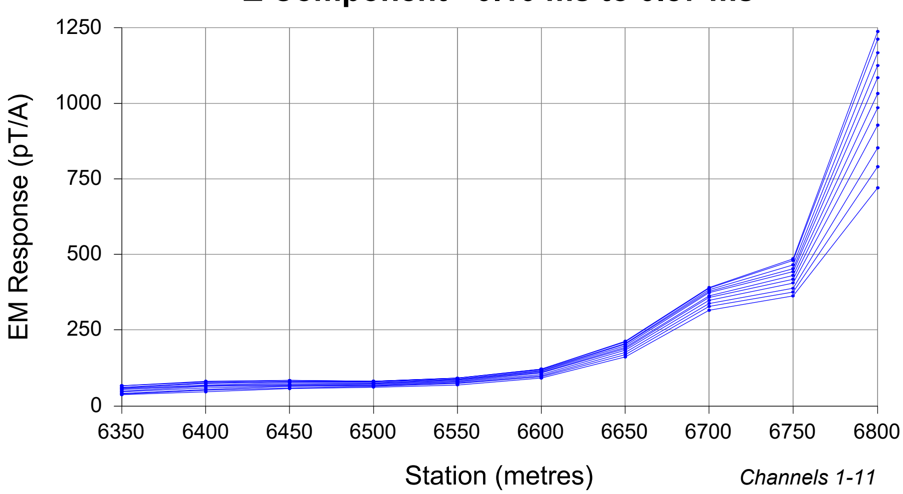
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

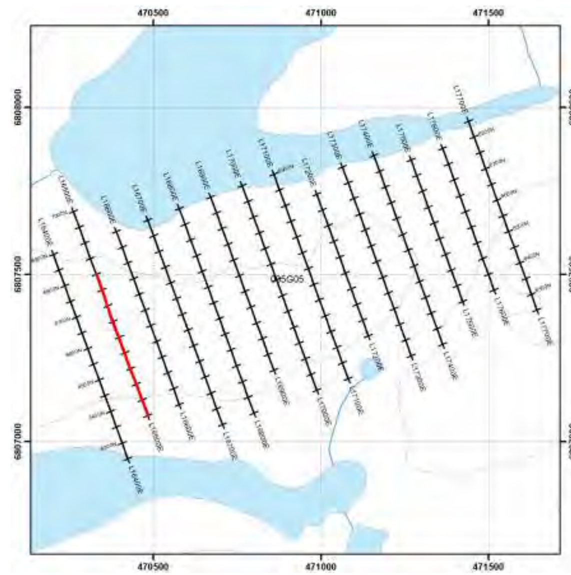
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

Scale 1:4500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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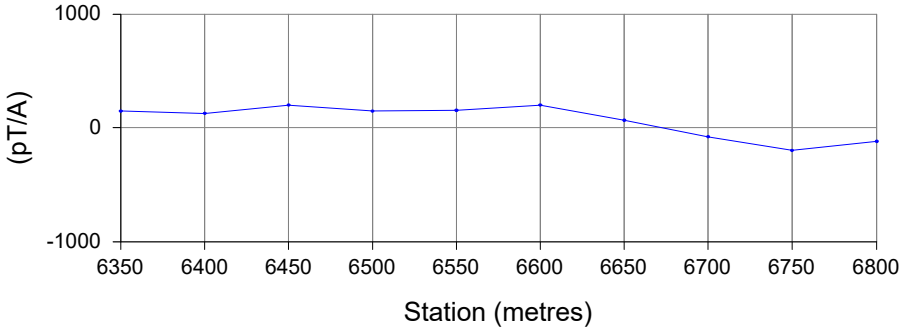
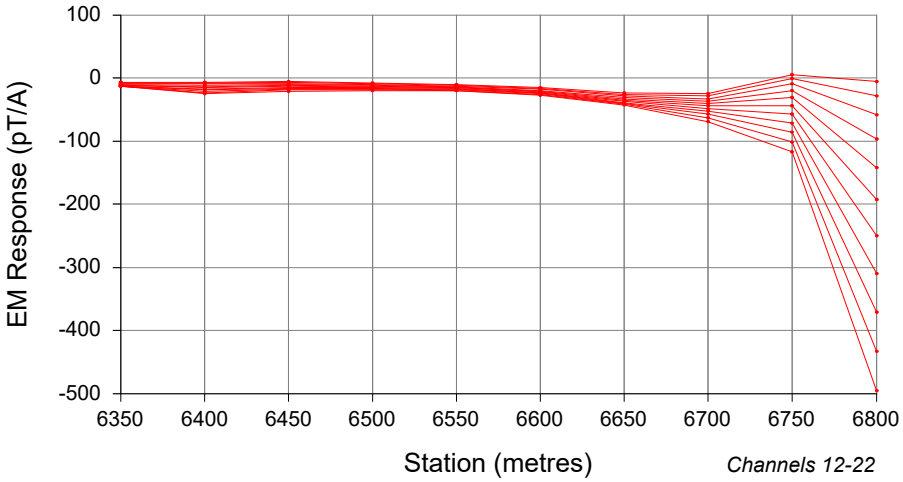
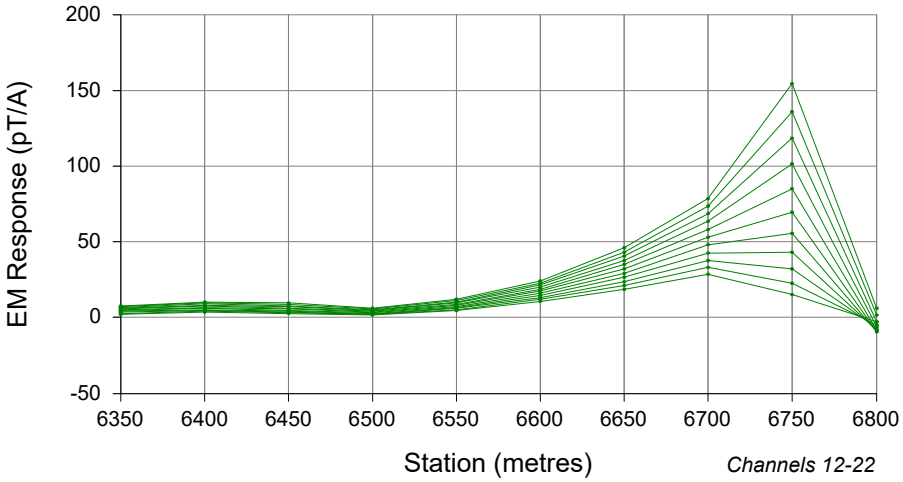
Y Primary Field



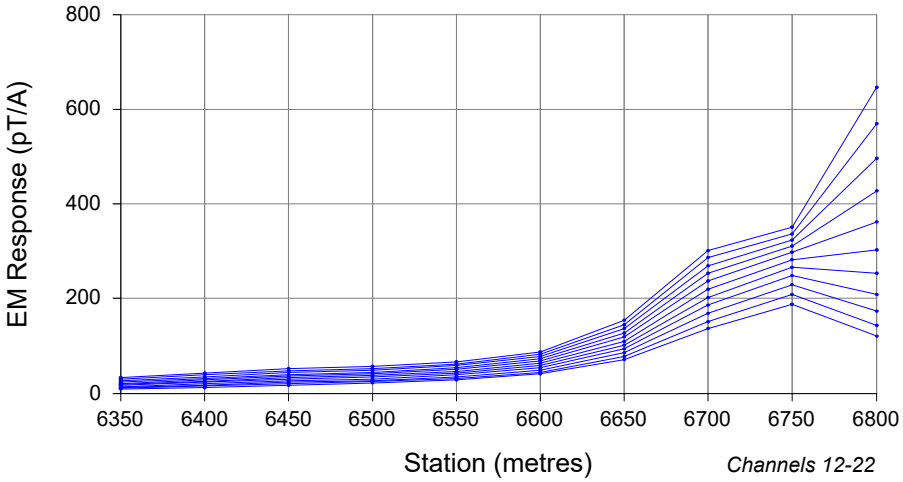
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

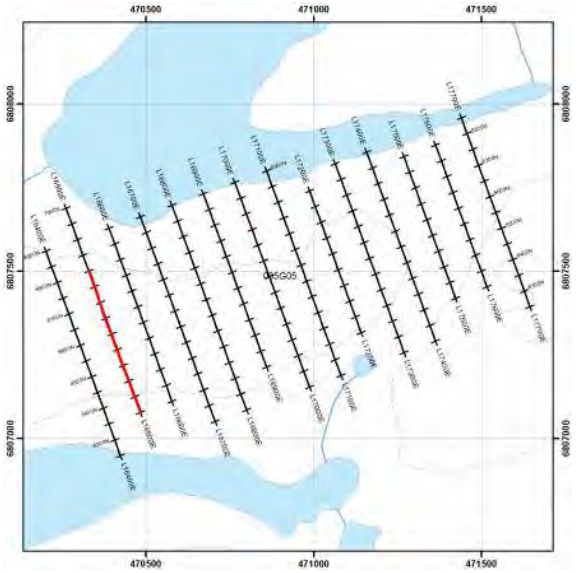
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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Saskatoon, SK, S7K 7Z1
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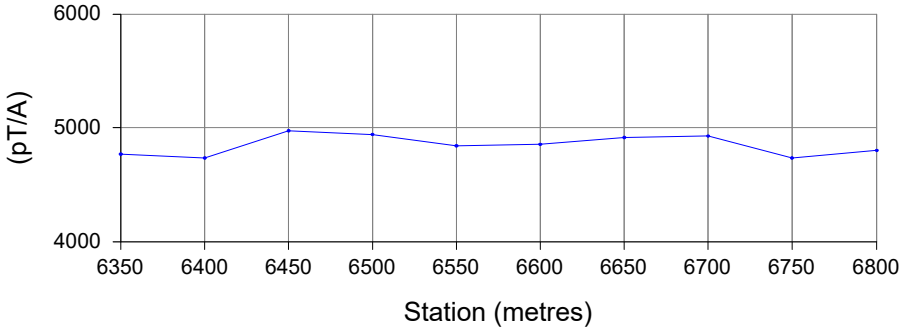
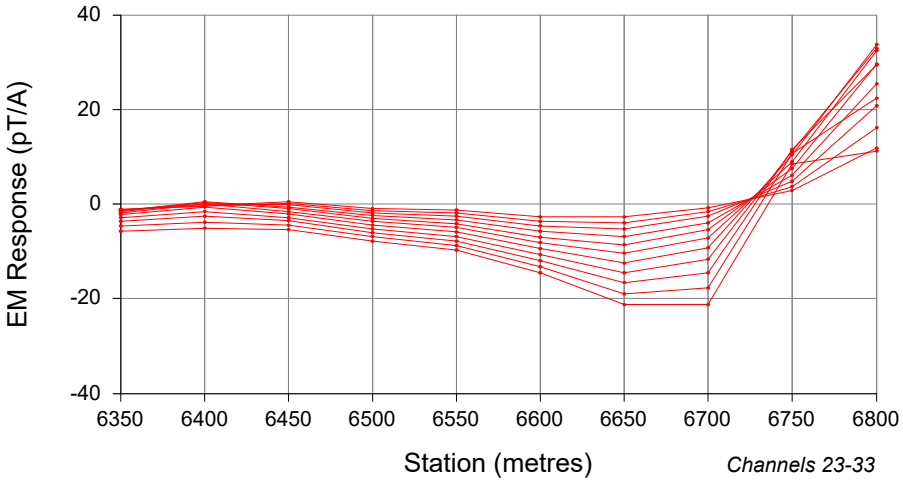
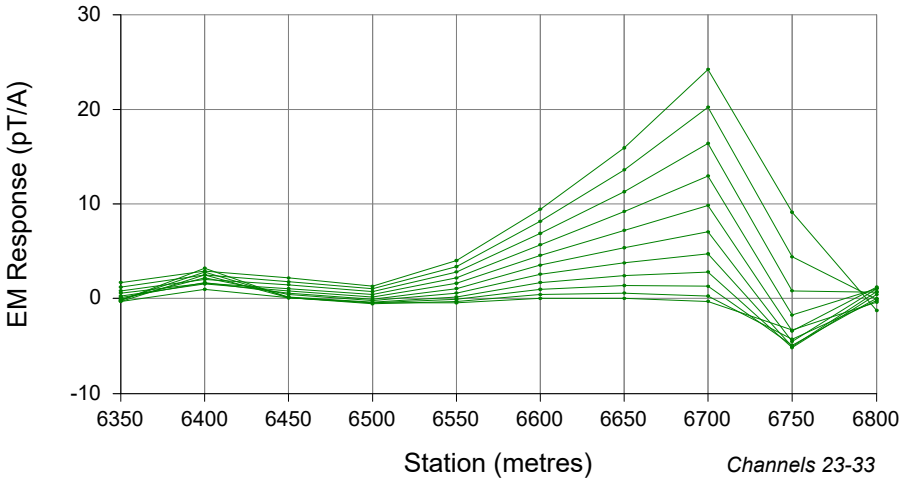
Z Primary Field



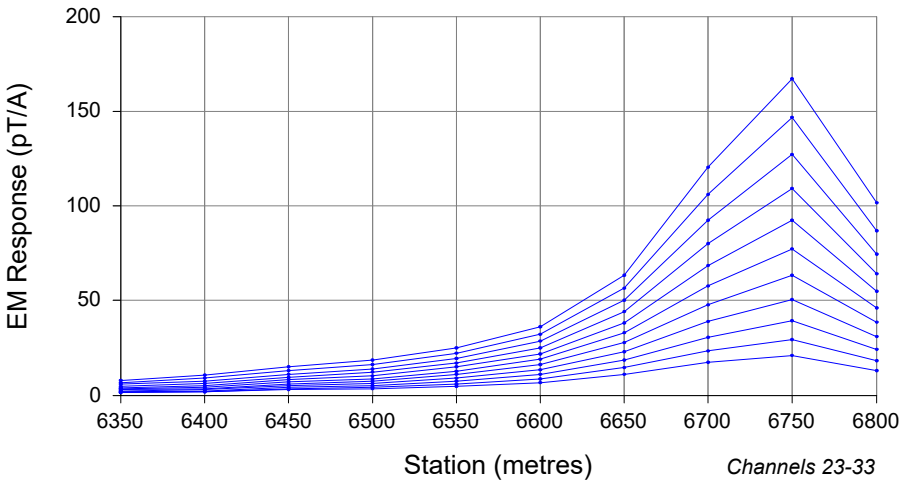
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

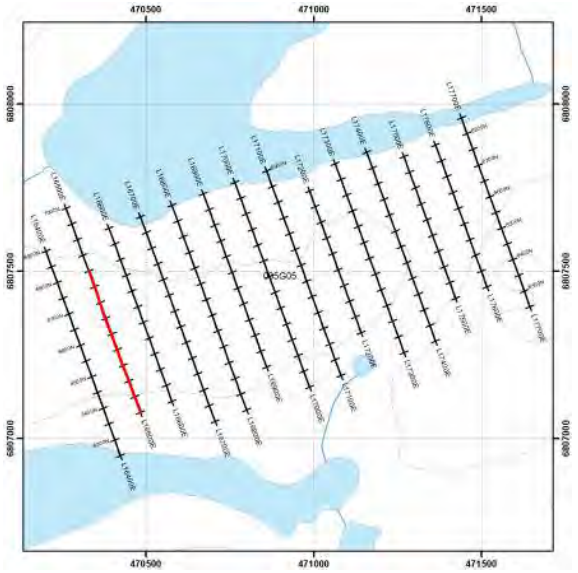
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



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Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16500E

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Survey Date: July 2021

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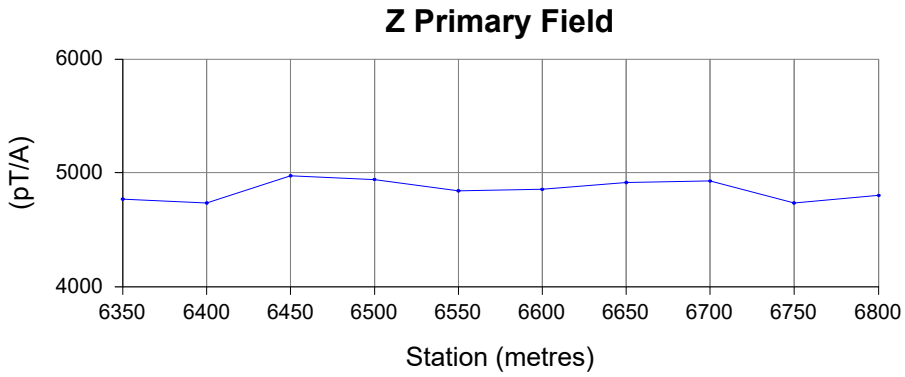
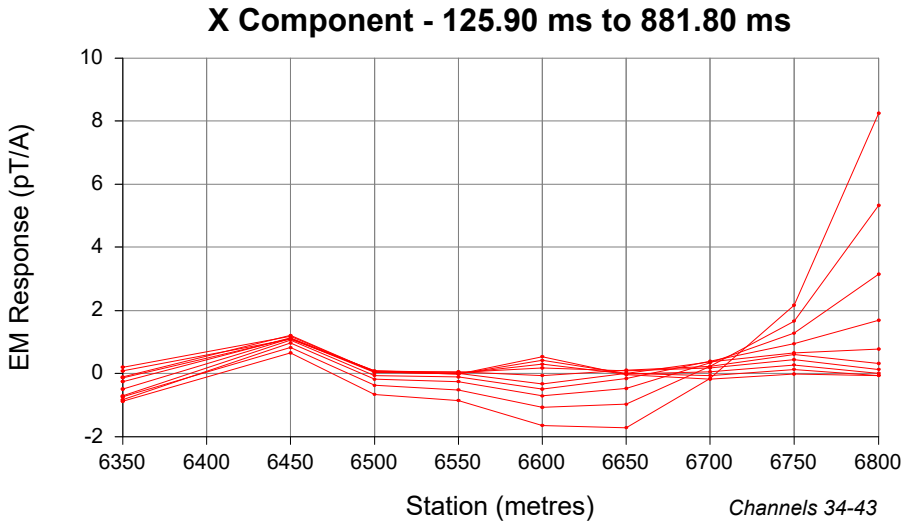
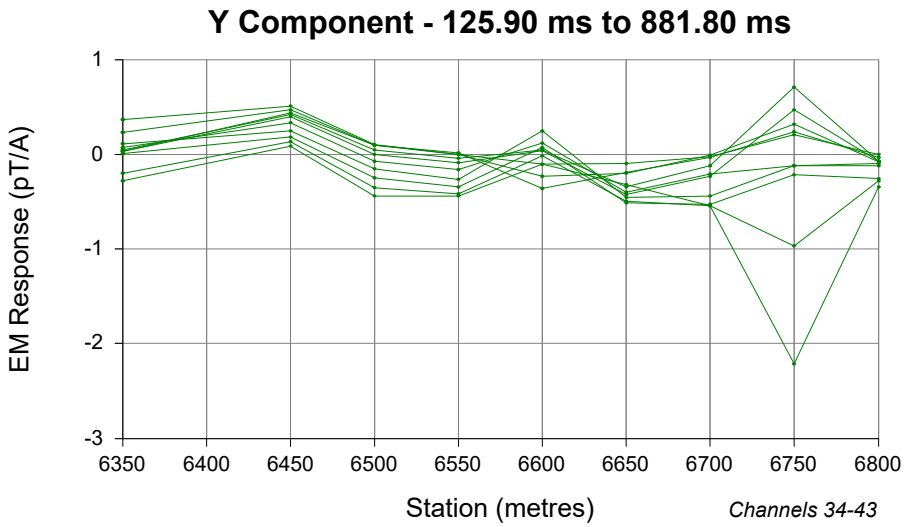
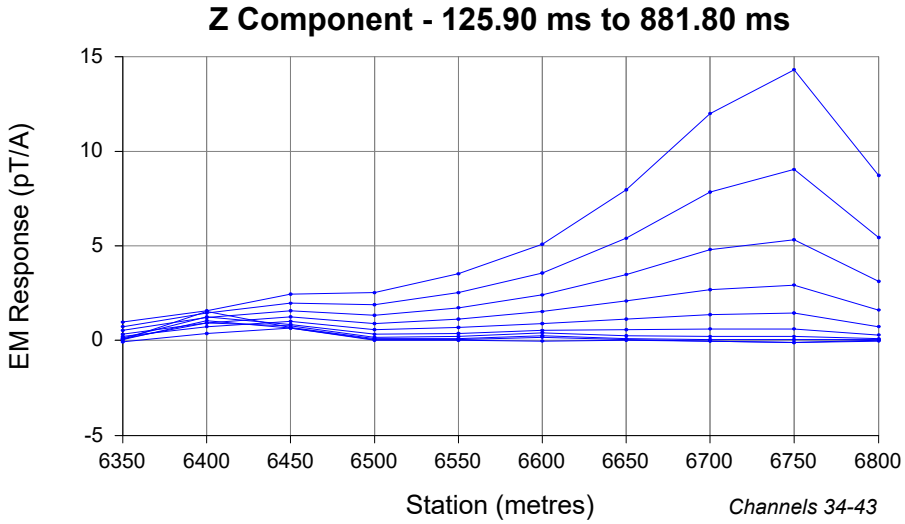








SURVEY PARAMETERS

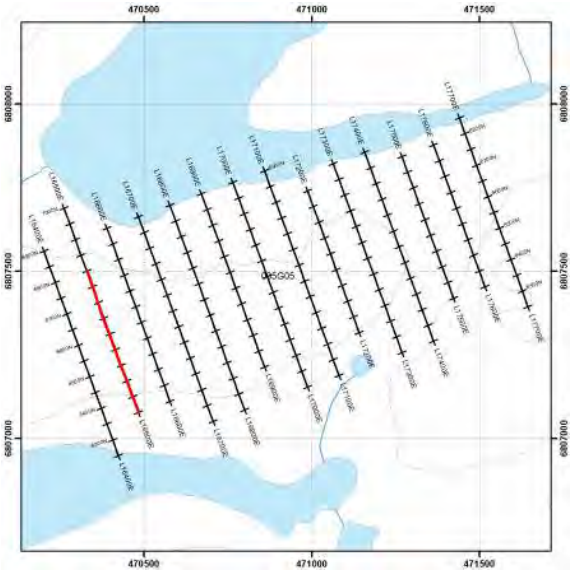
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

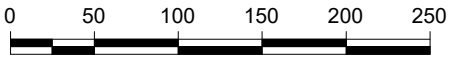
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms





Scale 1:4500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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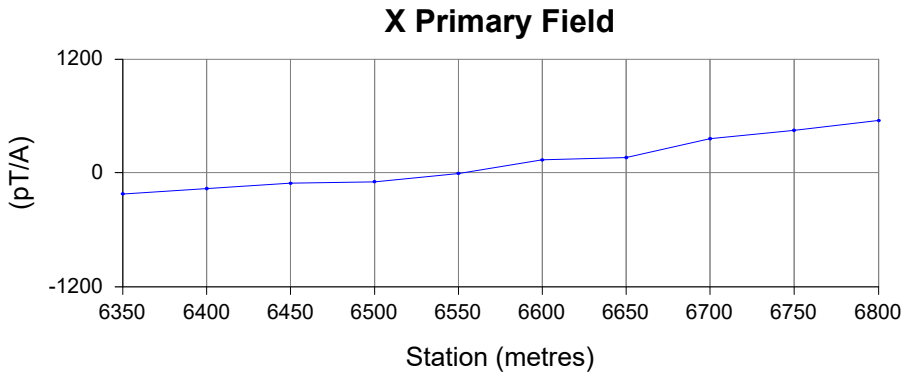
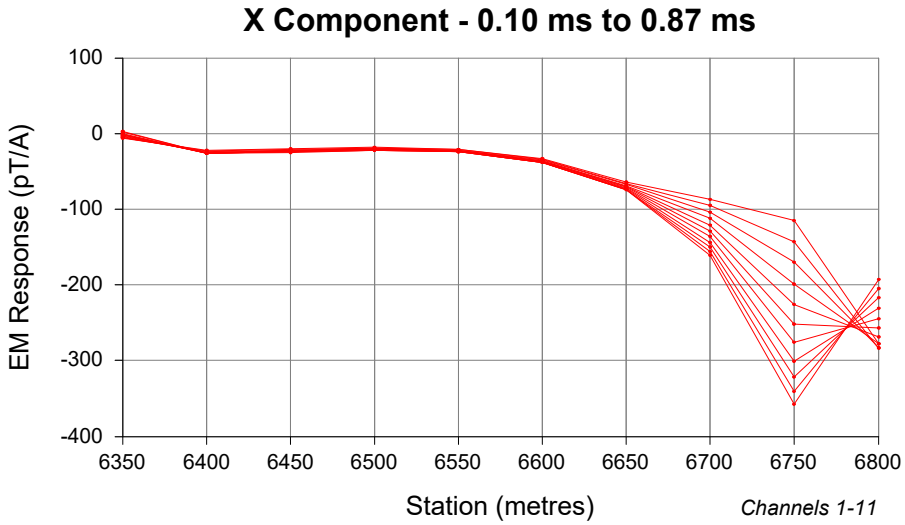
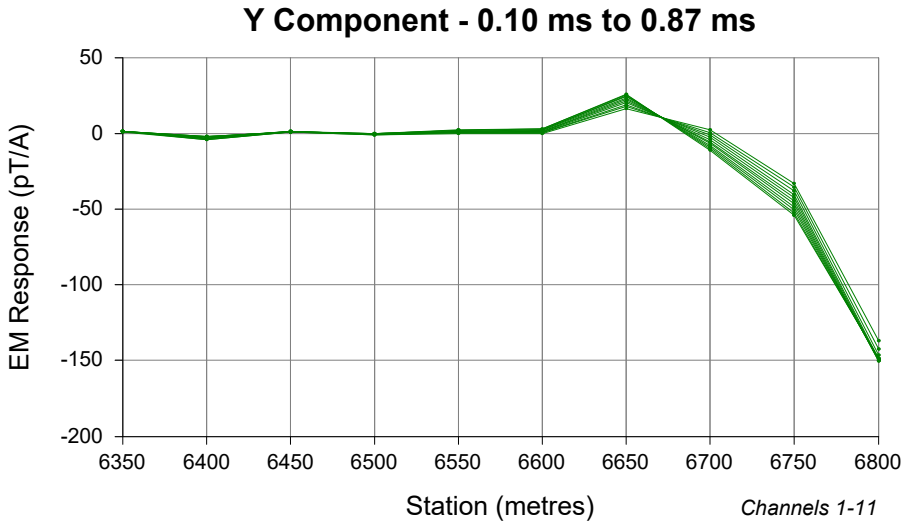
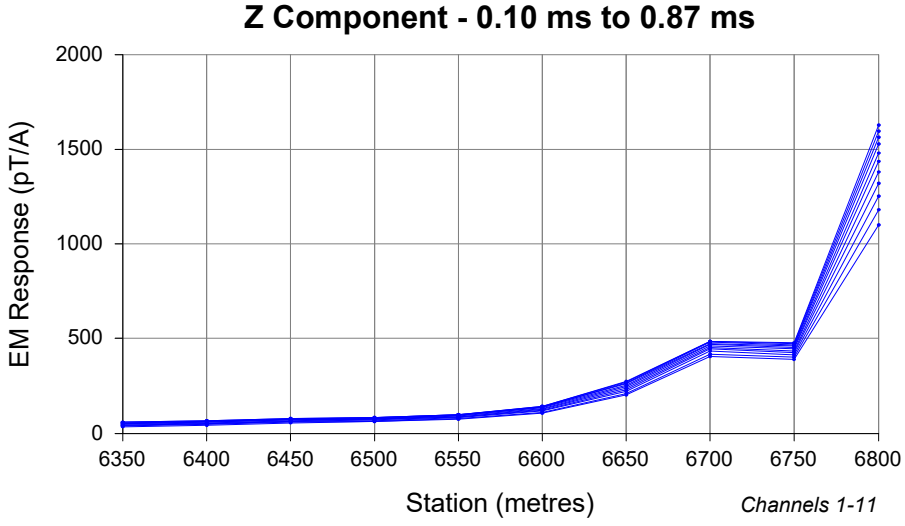








SURVEY PARAMETERS

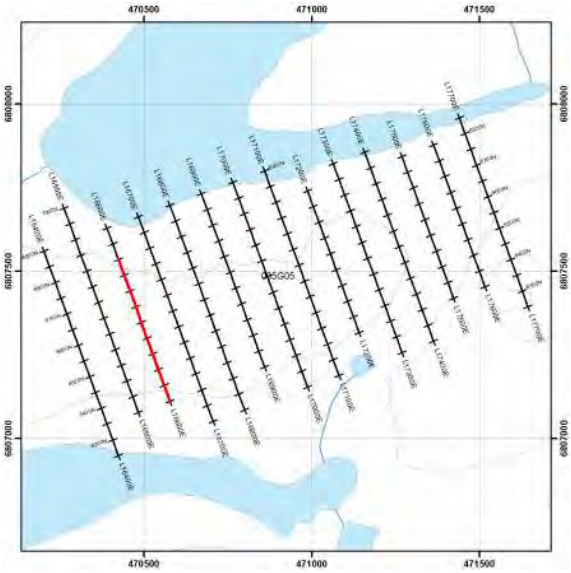
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: July 2021

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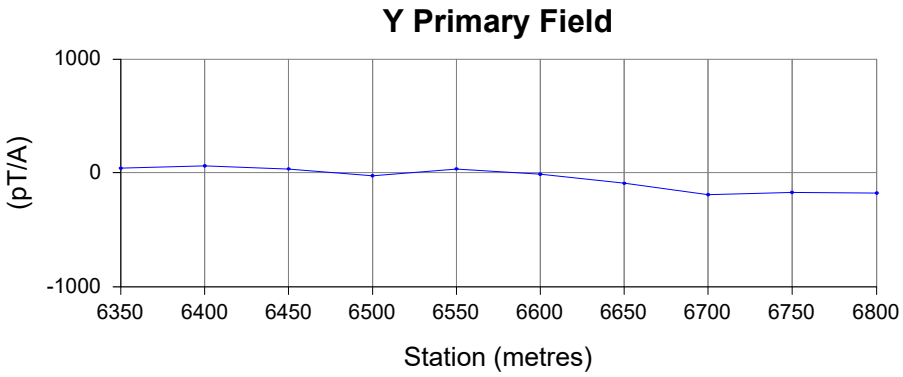
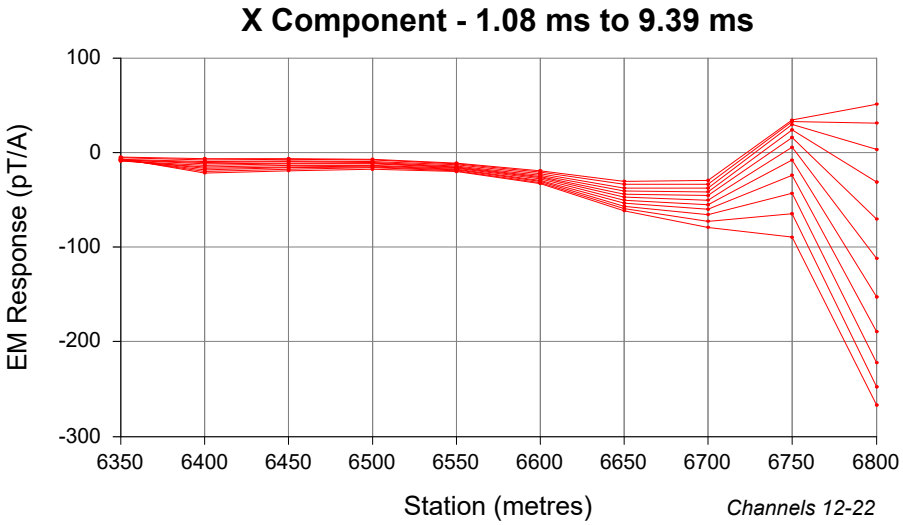
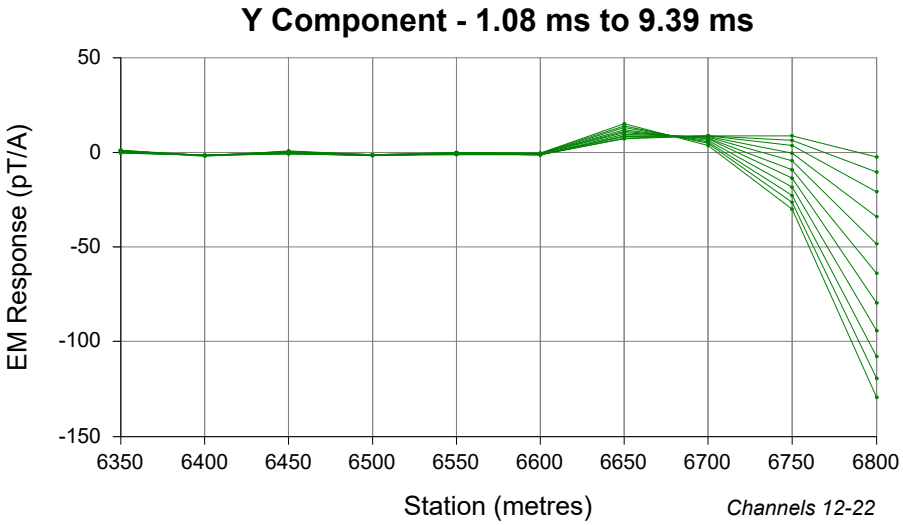
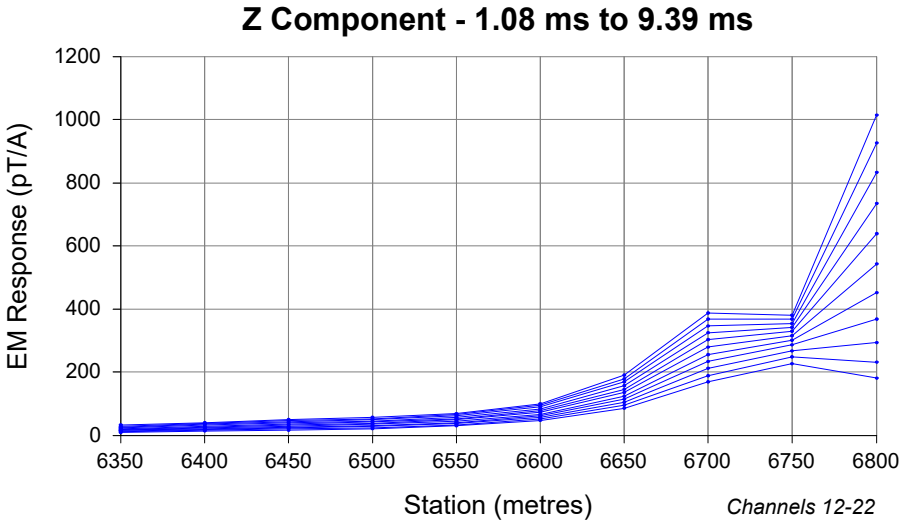








SURVEY PARAMETERS

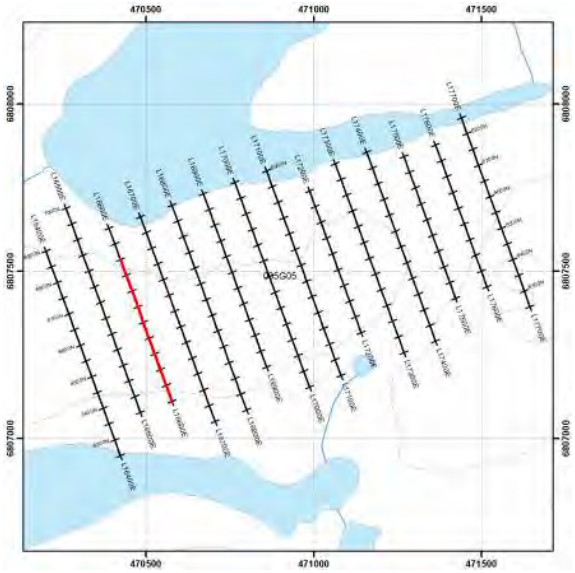
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

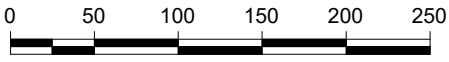
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms





Scale 1:4500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: July 2021

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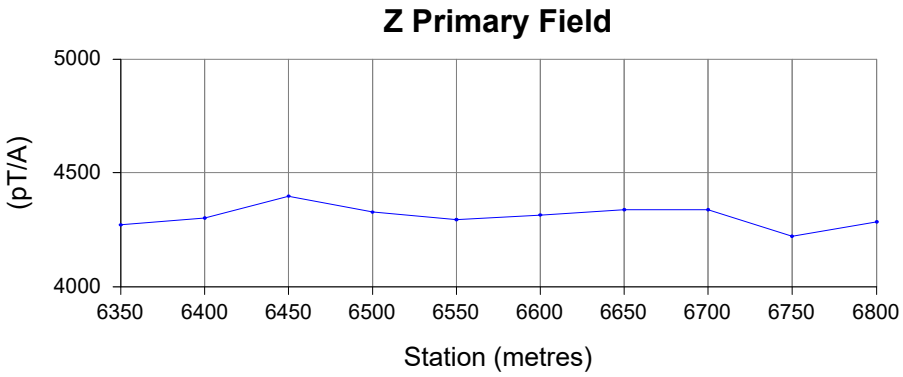
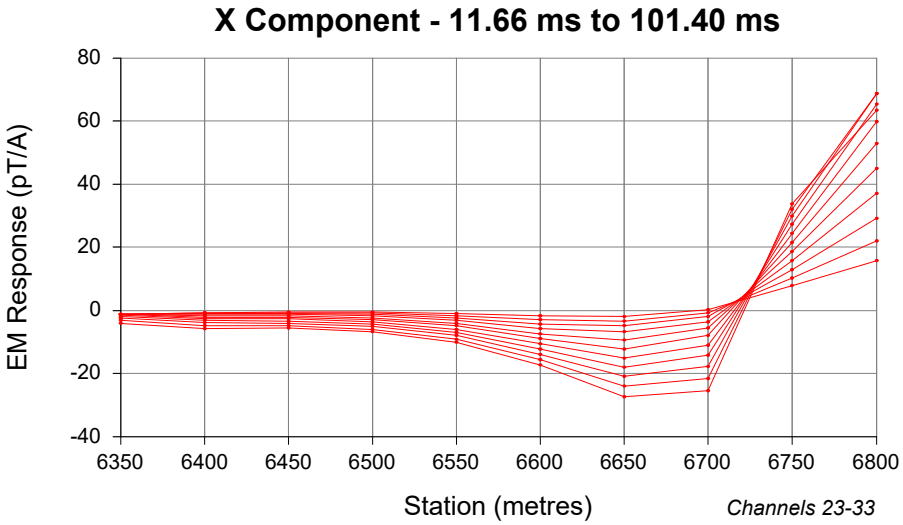
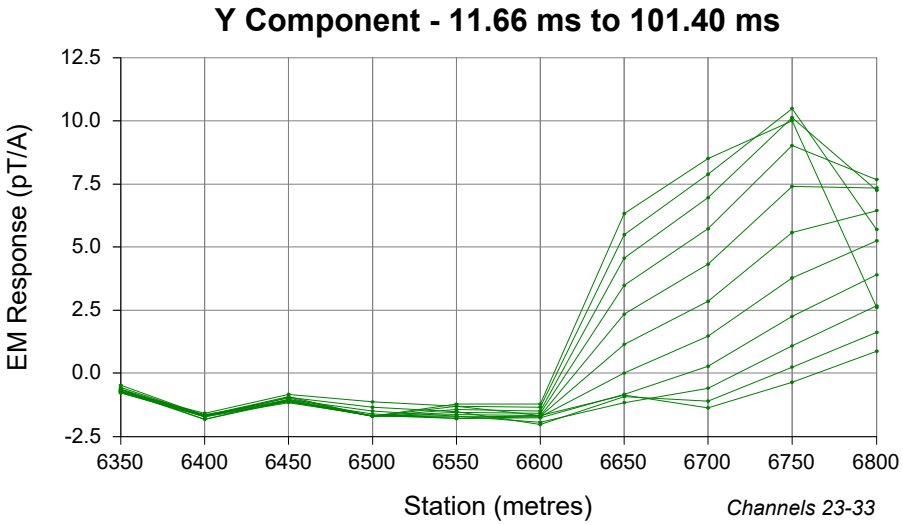
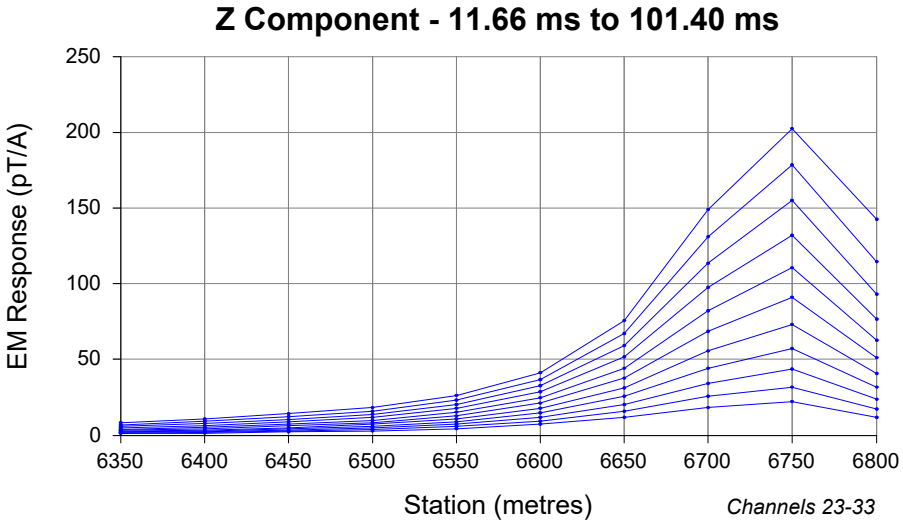








SURVEY PARAMETERS

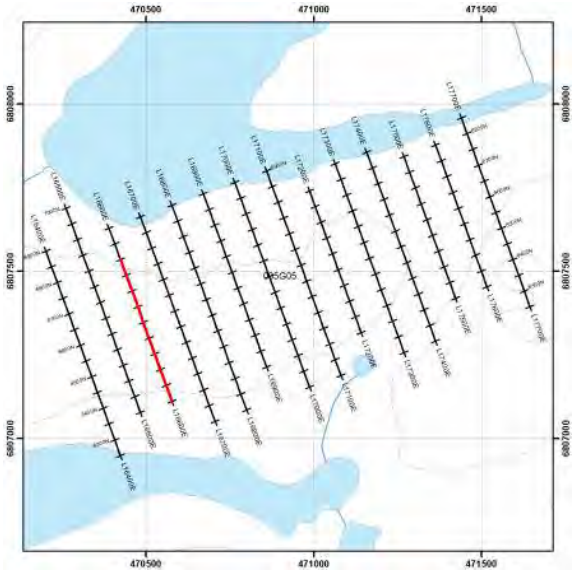
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: July 2021

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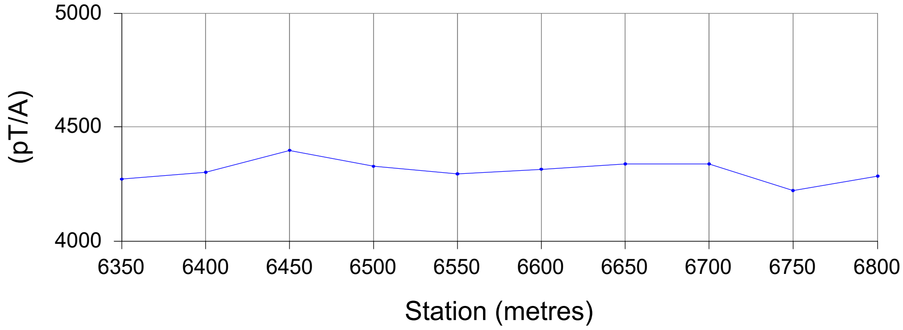
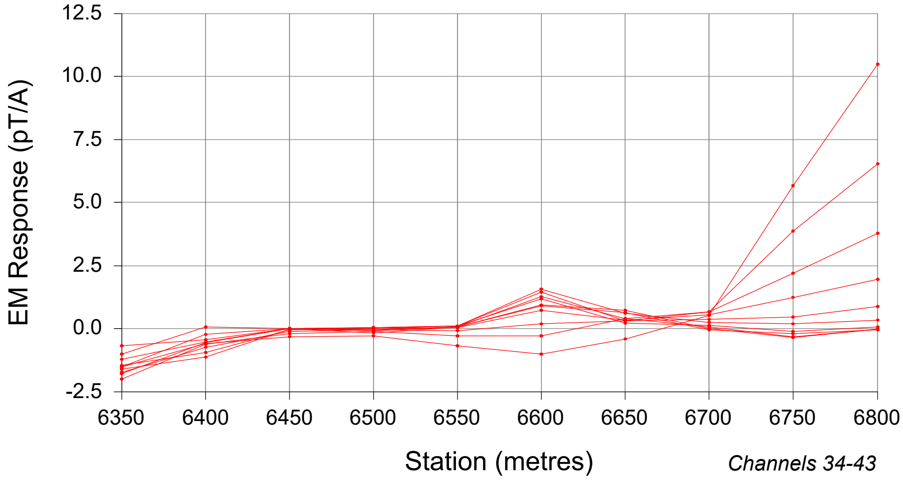
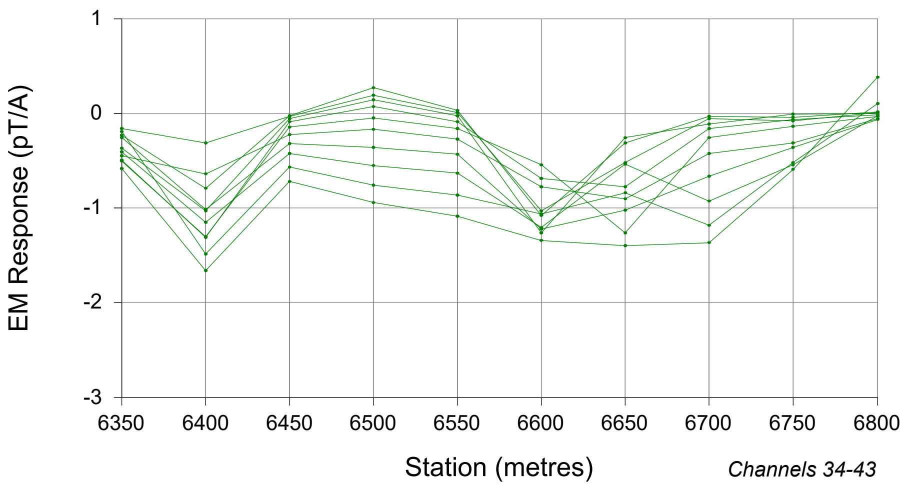
Z Primary Field



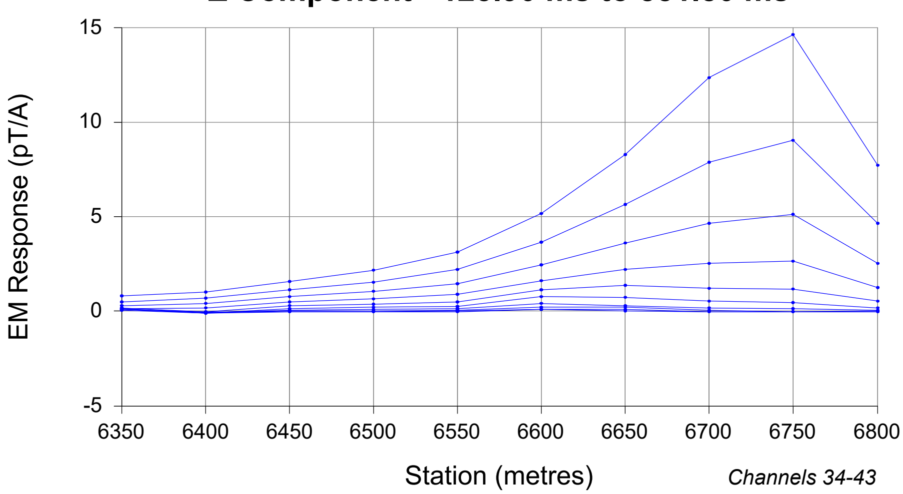
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

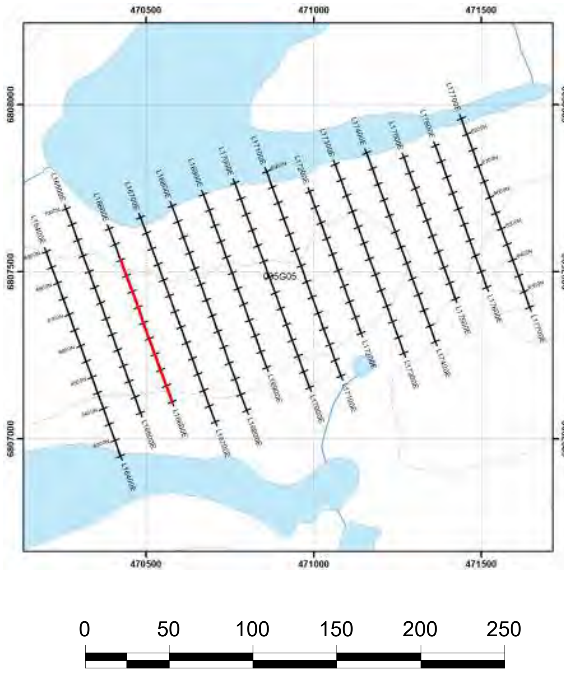
Configuration : Moving-Loop TEM
Station Spacing : 0-50 m

RECEIVER

Receiver : SMARTem24
Frequency : 0.25 Hz
Component : Z, X, Y
Rx Sensor : Supracon HT SQUID
Rx Serial Number : JD413

TRANSMITTER

Transmitter : Phoenix TXU-30
Tx Loop Side : 200 m x 400 m
Tx Turns : 1
Tx Current : 51.0 - 53.0 A
Turn Off : 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: July 2021

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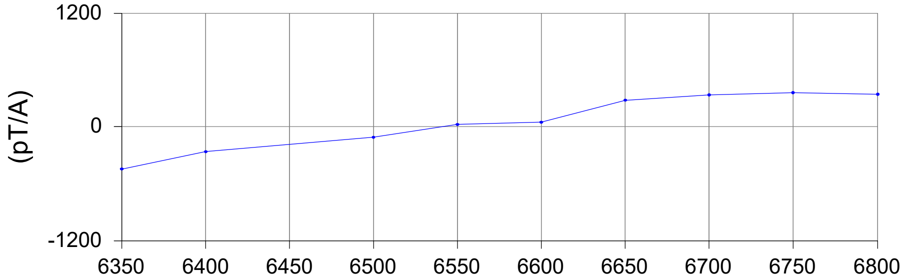
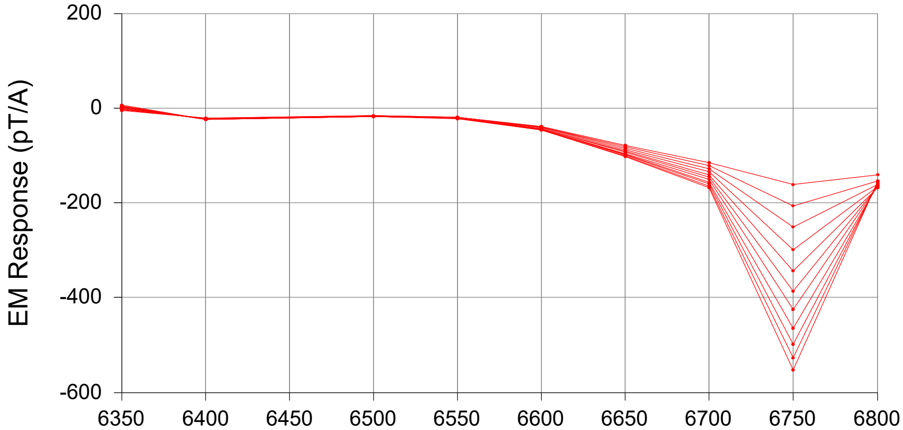
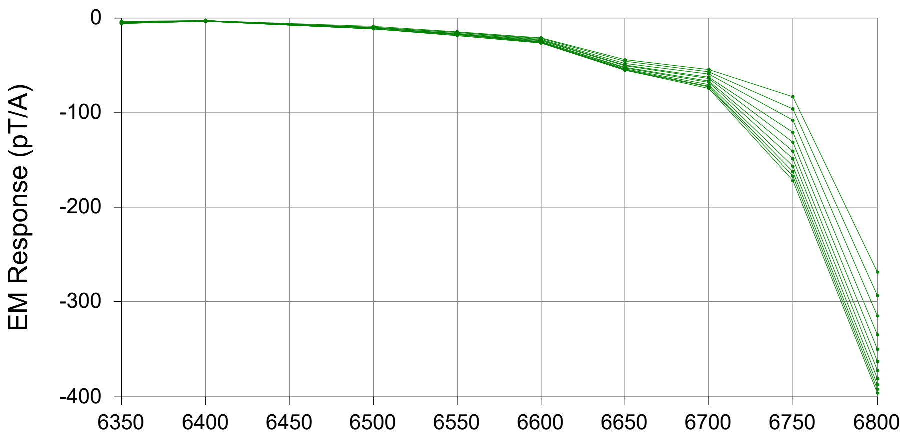
X Primary Field



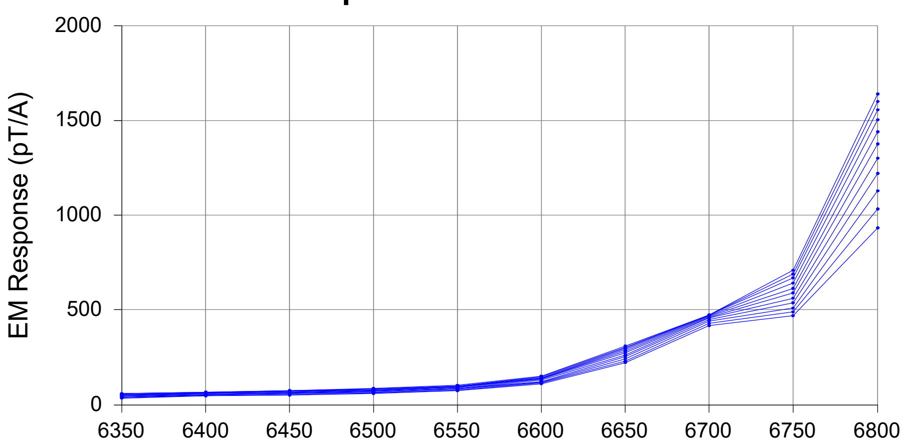
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

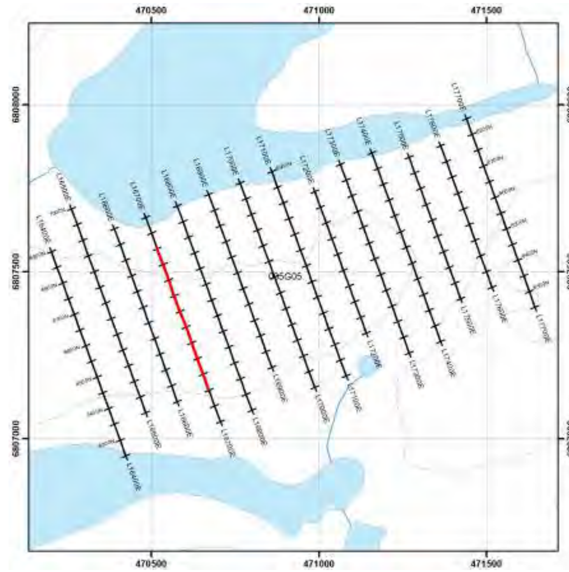
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



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Scale 1:4500

Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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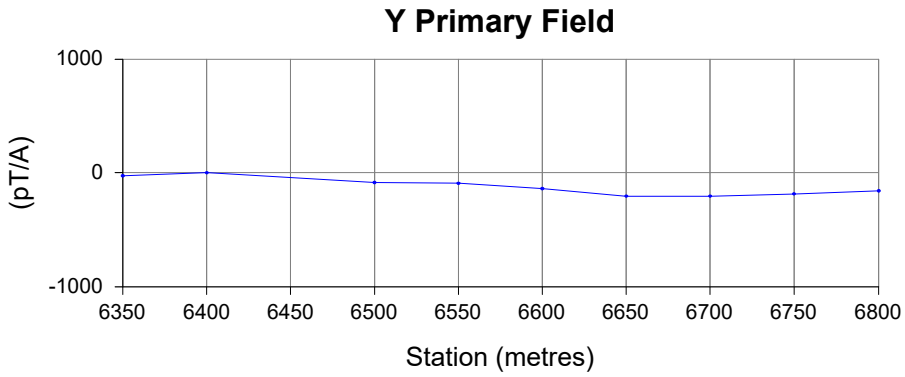
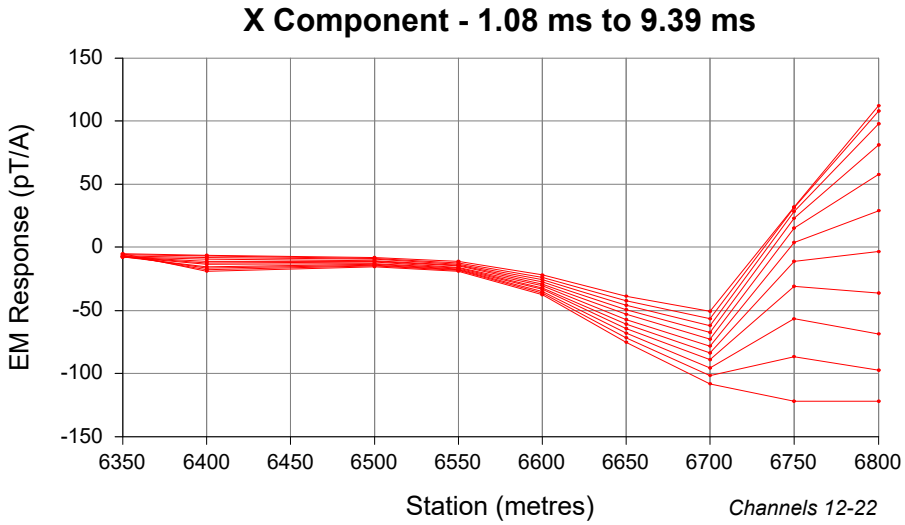
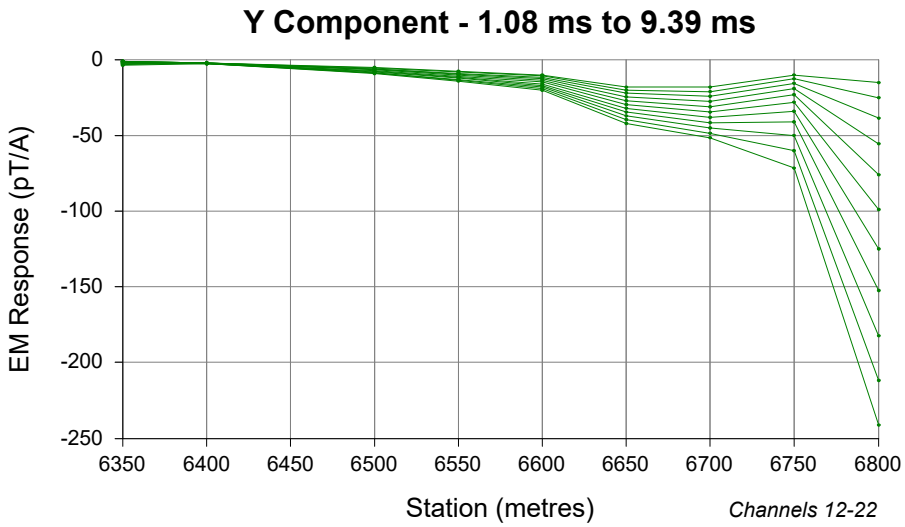
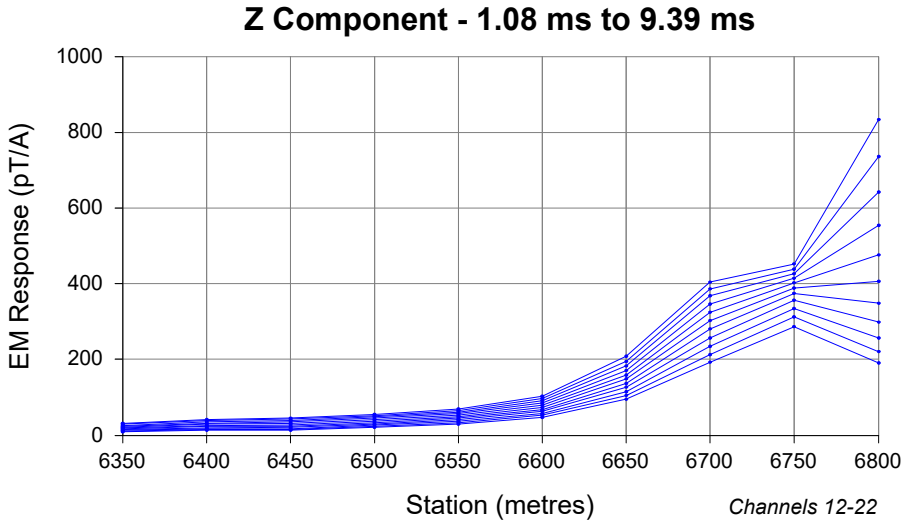








SURVEY PARAMETERS

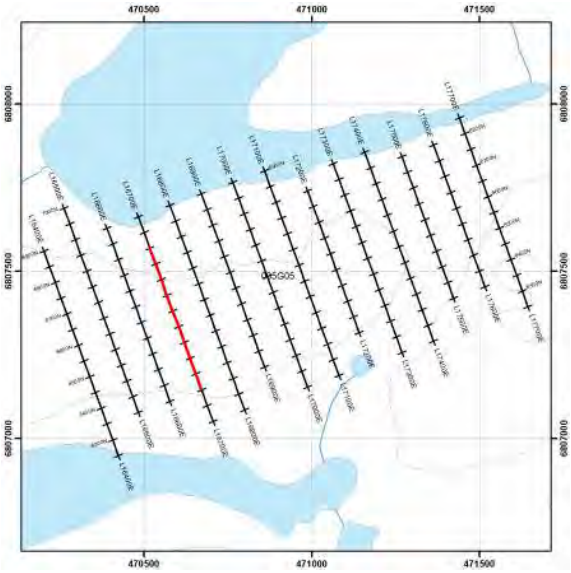
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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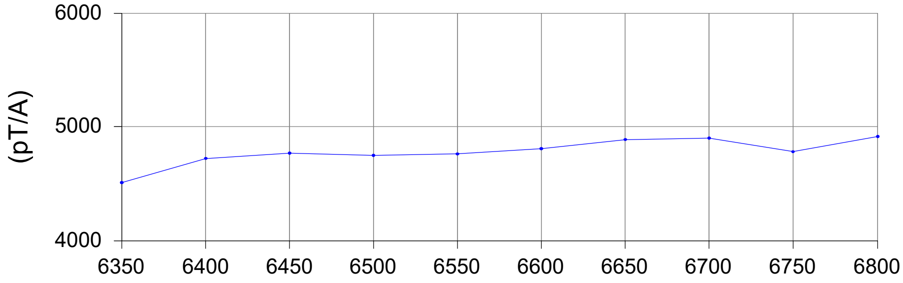
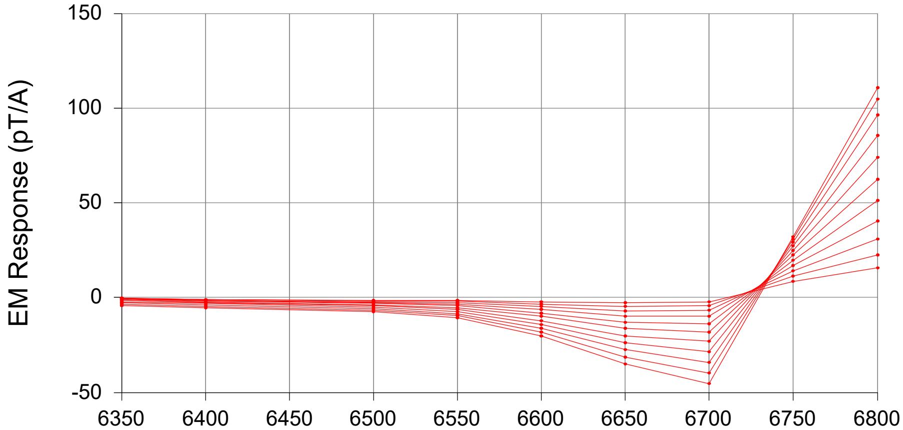
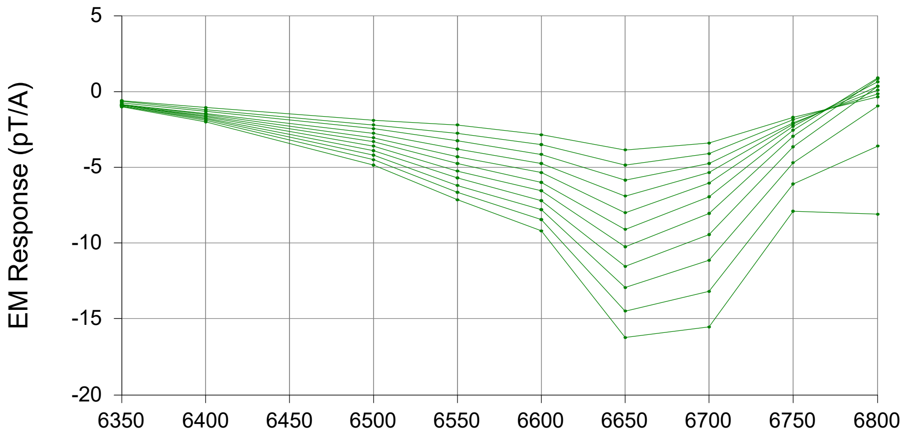
Z Primary Field



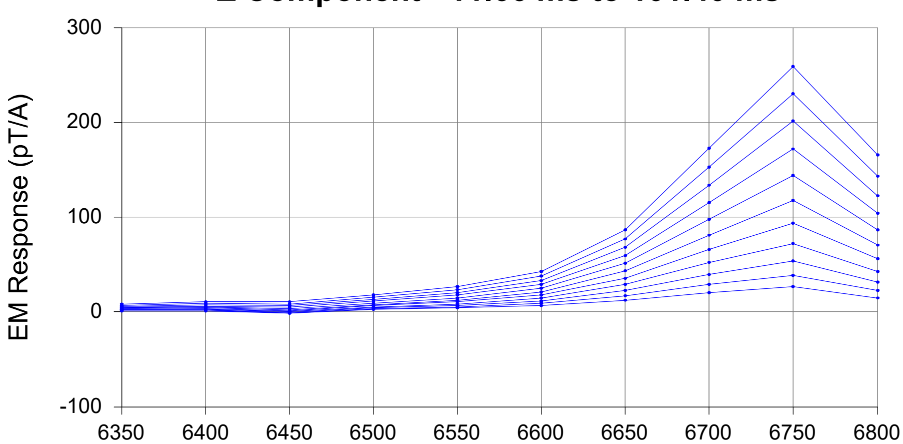
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

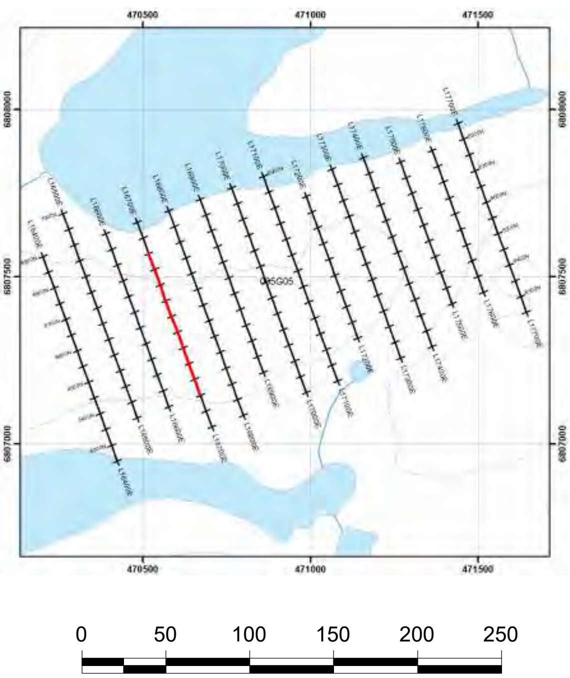
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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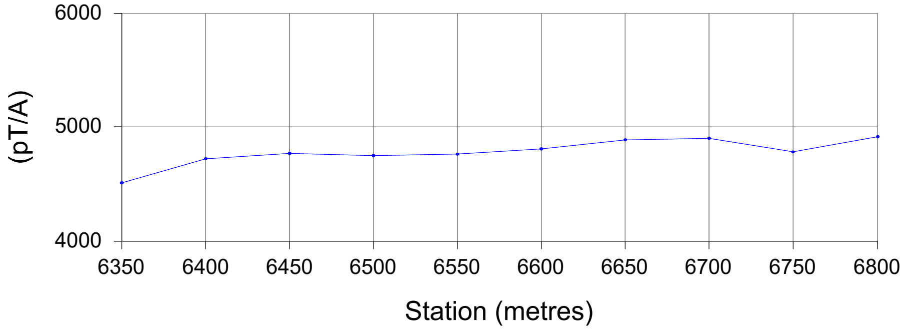
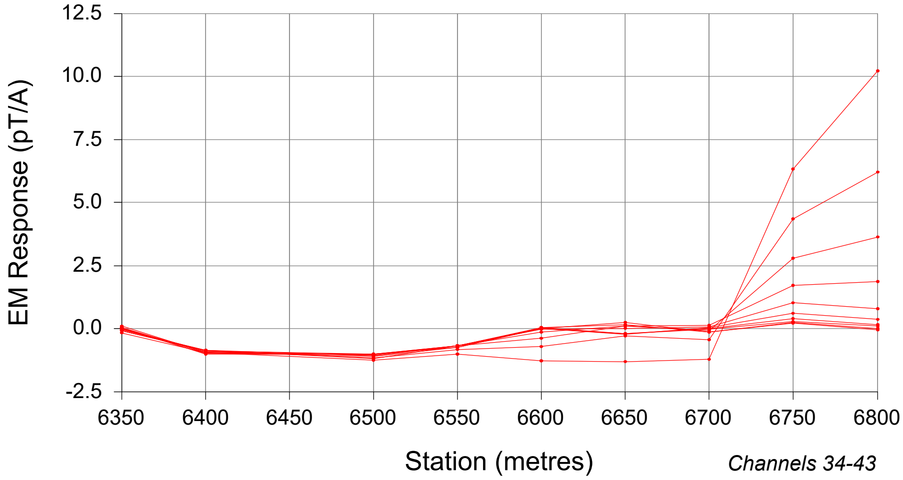
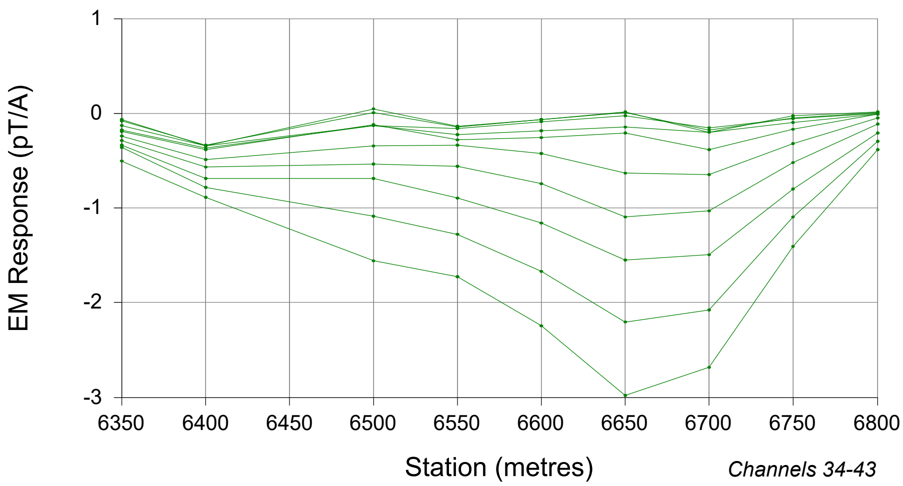
Z Primary Field



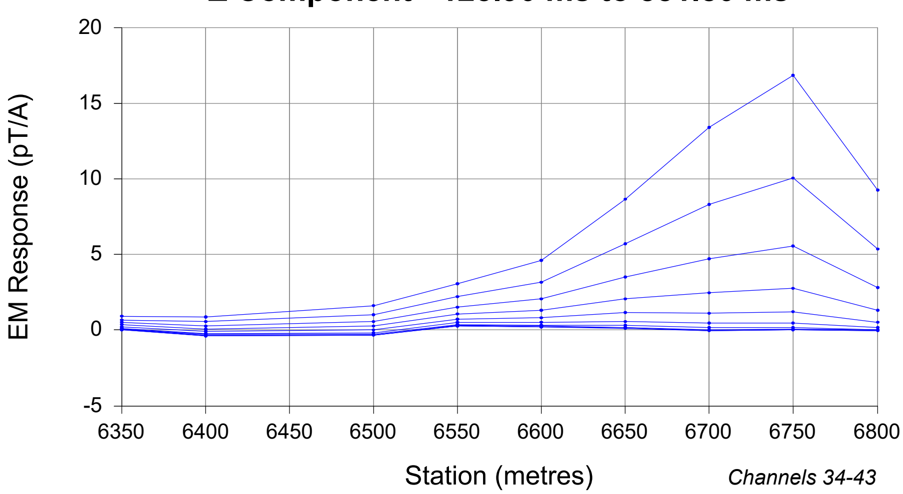
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

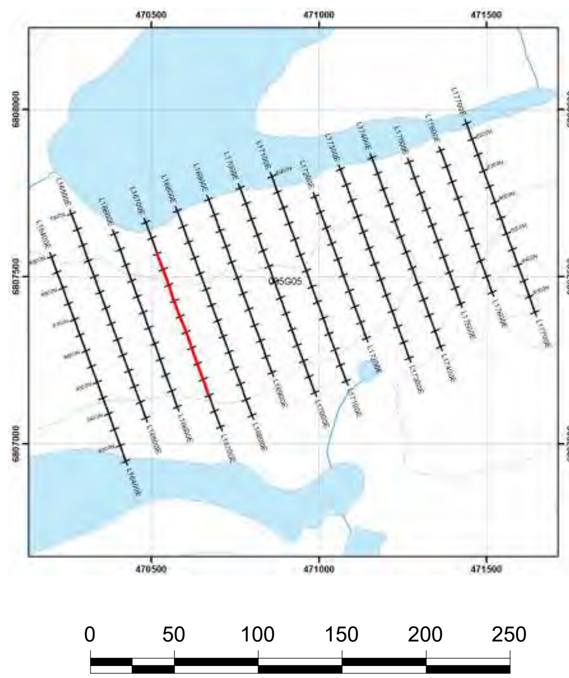
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 51.0 - 53.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Line 16700E

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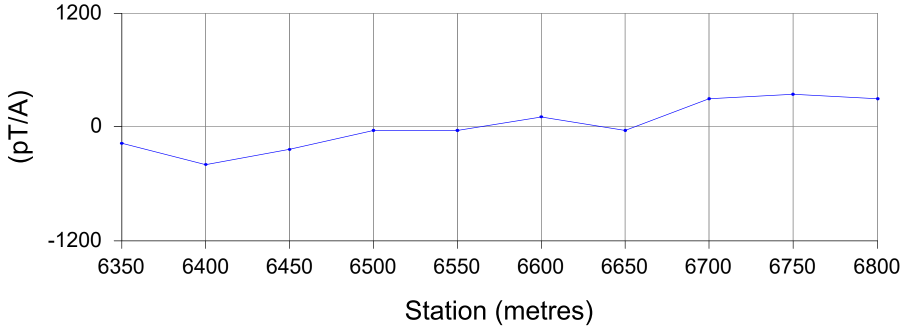
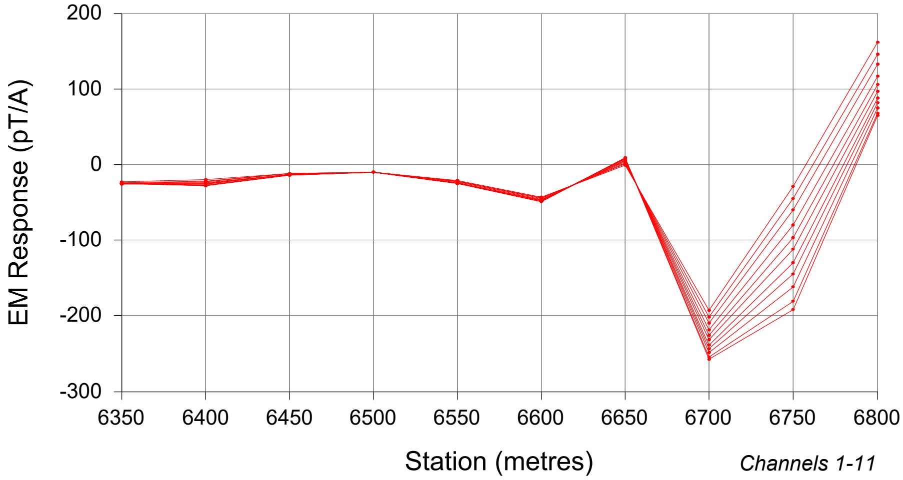
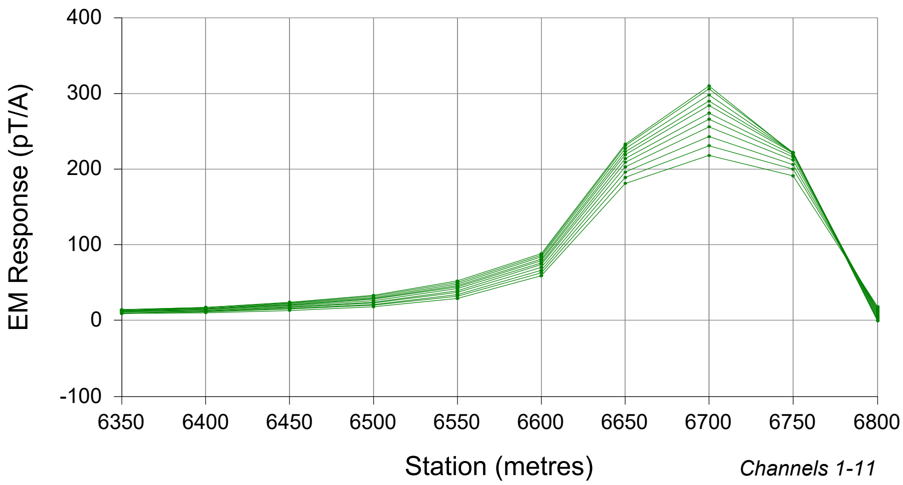
X Primary Field



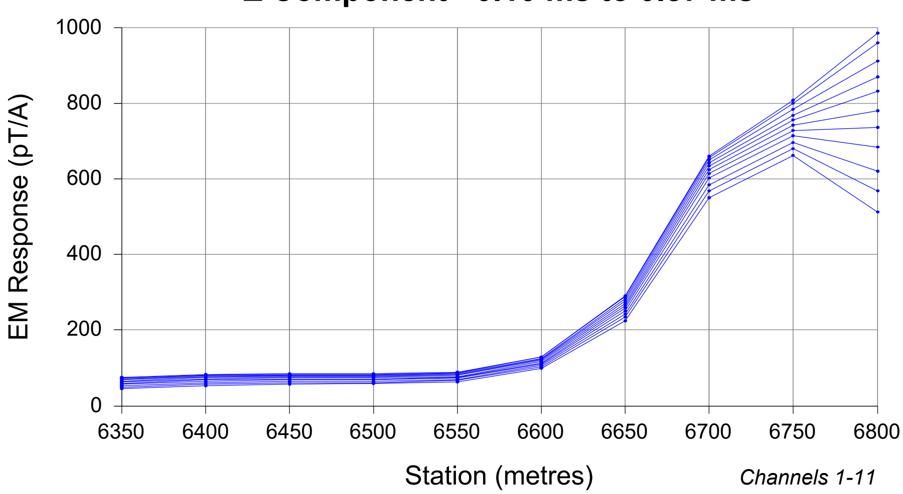
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

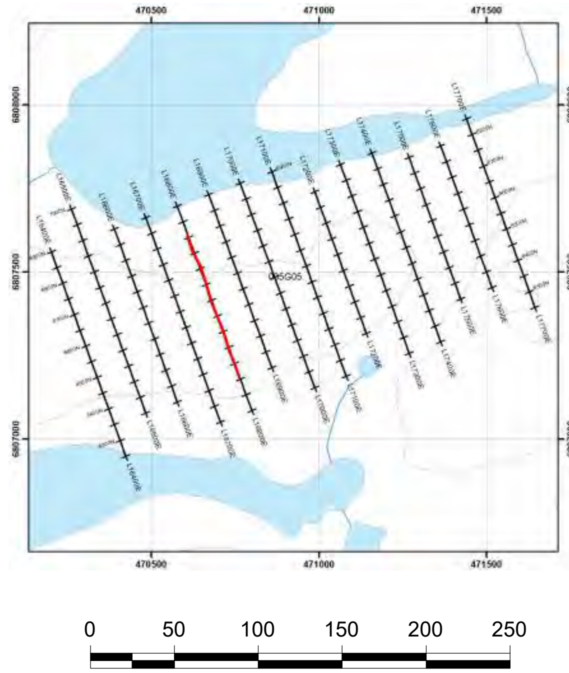
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Line 16800E

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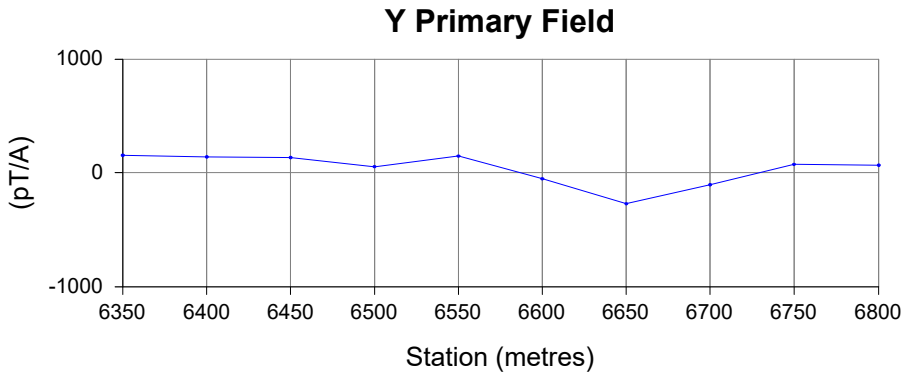
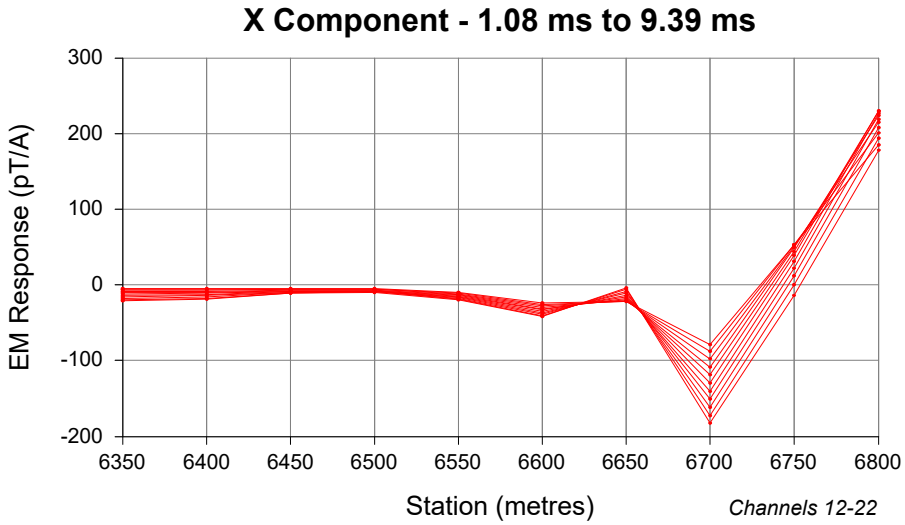
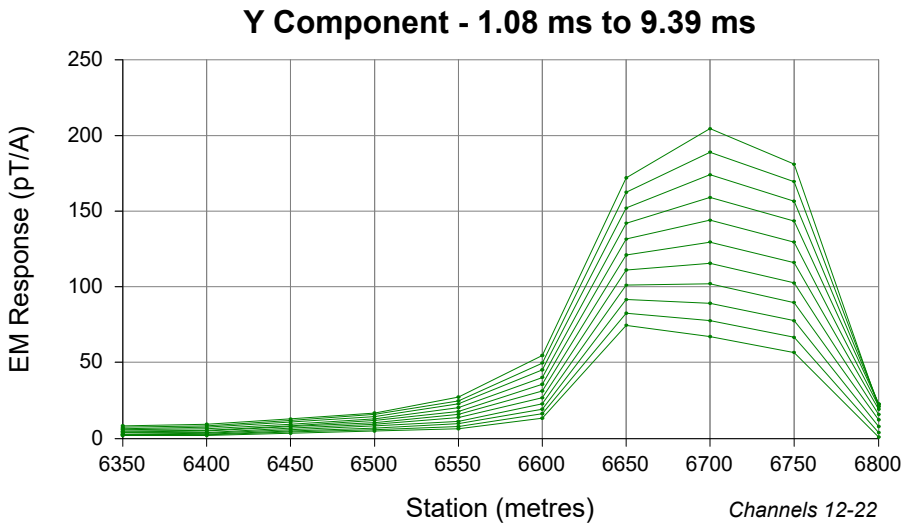
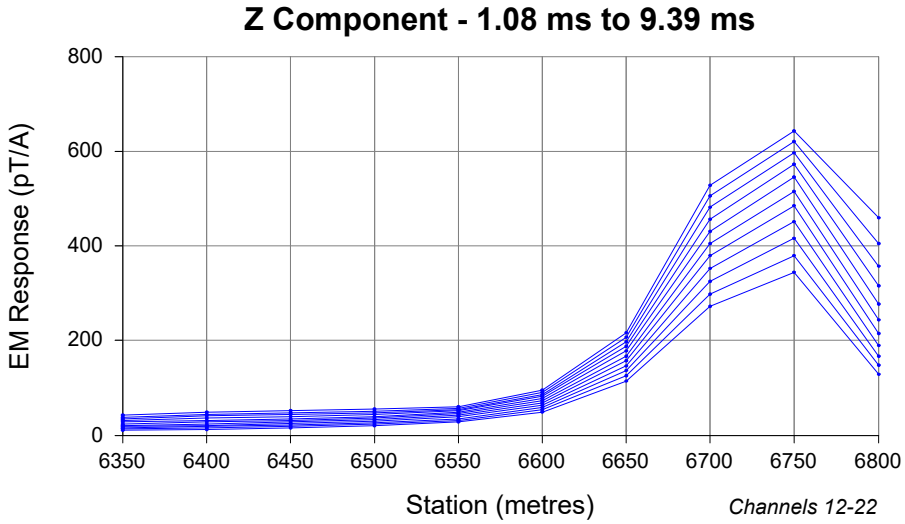








SURVEY PARAMETERS

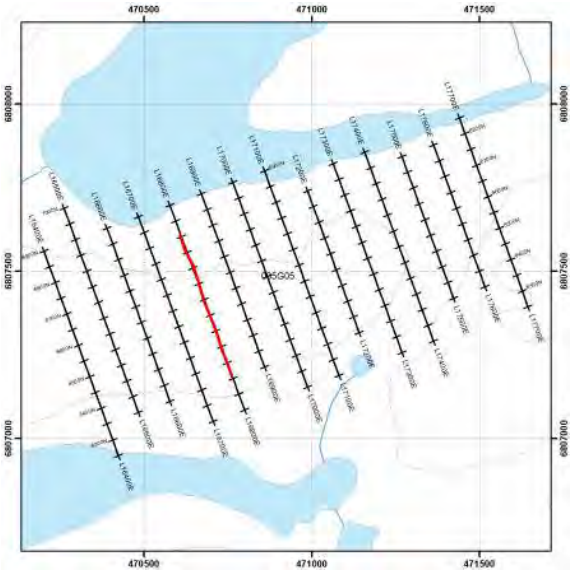
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 16800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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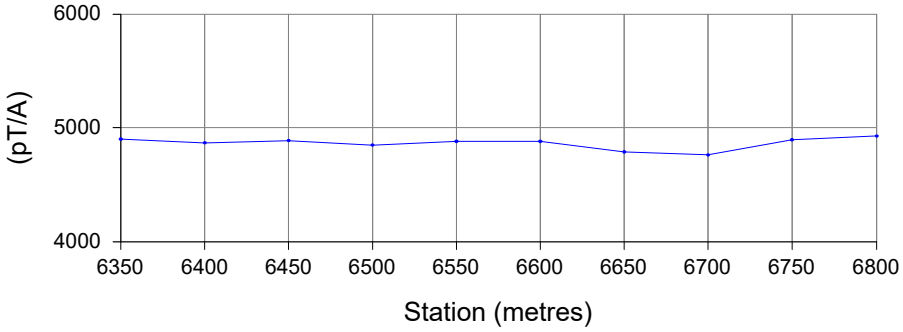
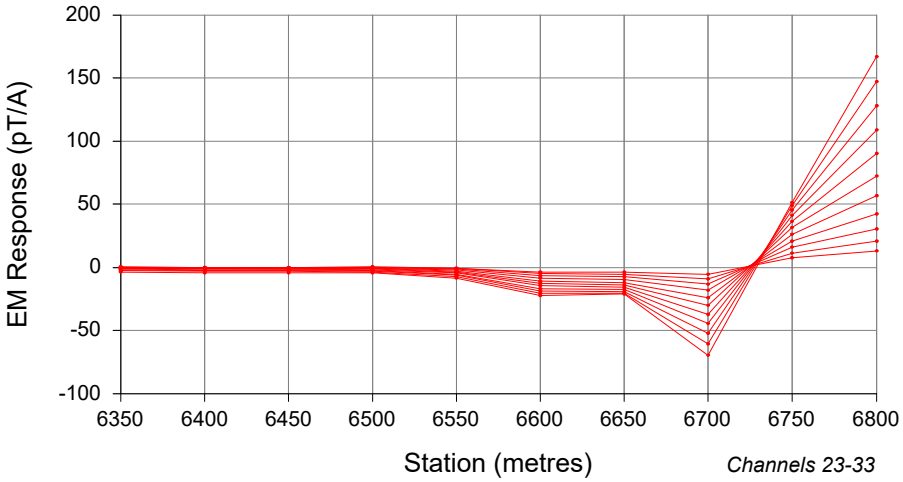
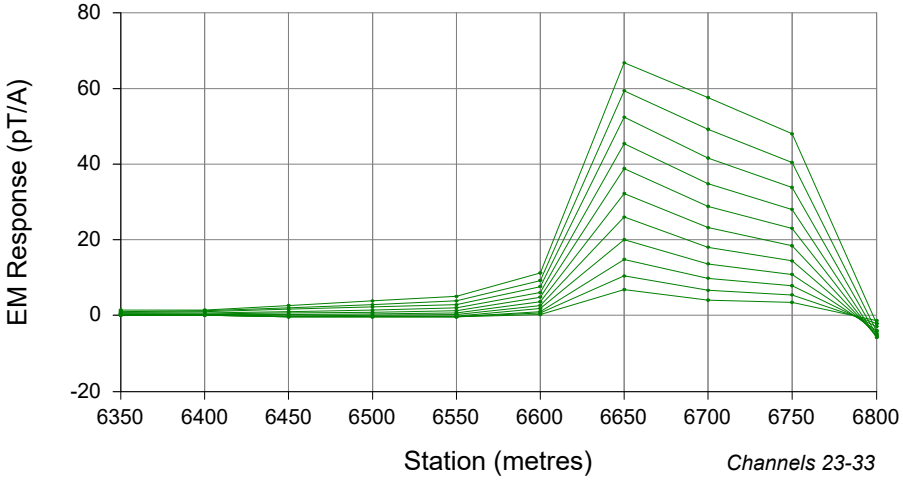
Z Primary Field



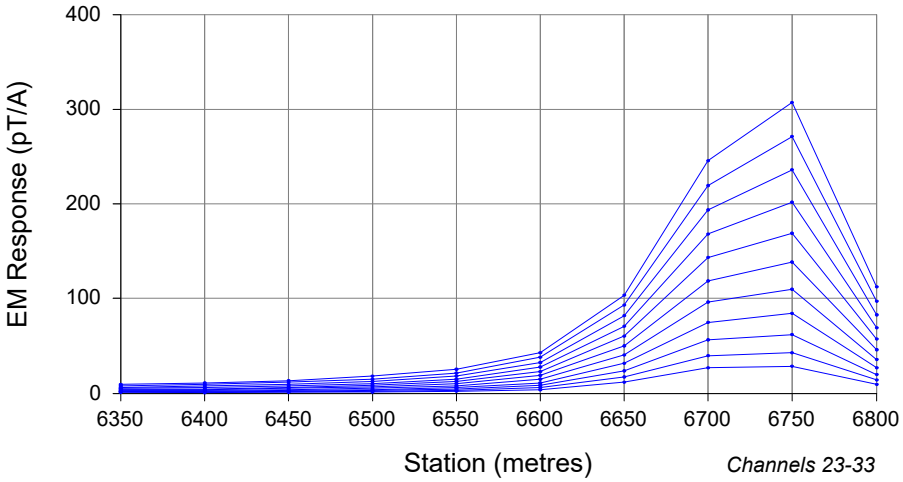
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

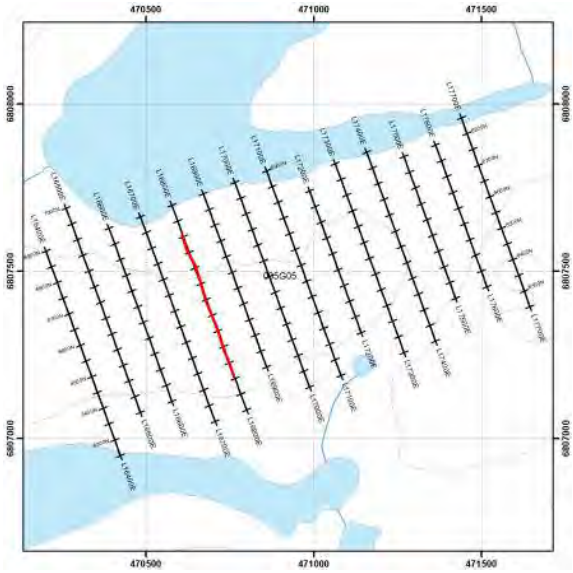
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 16800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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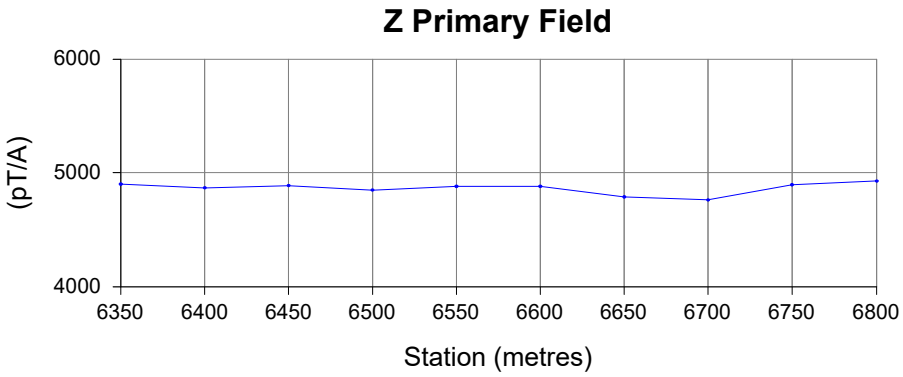
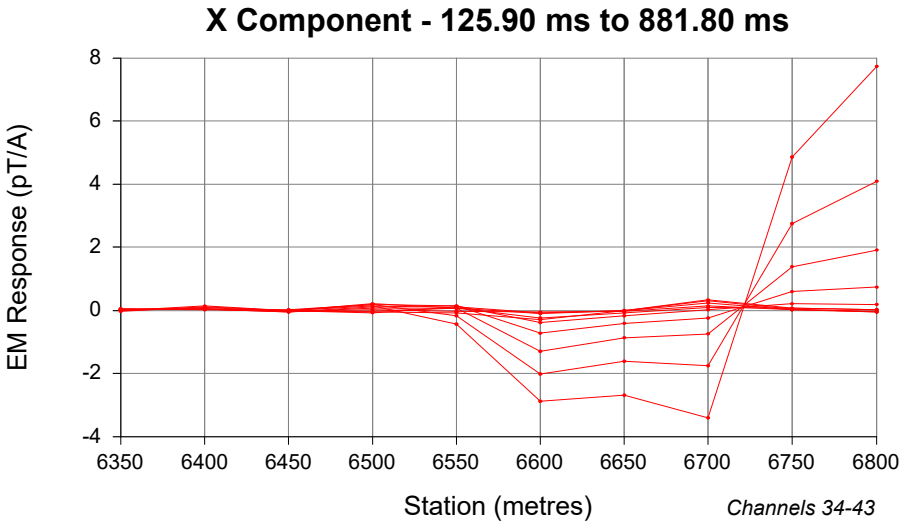
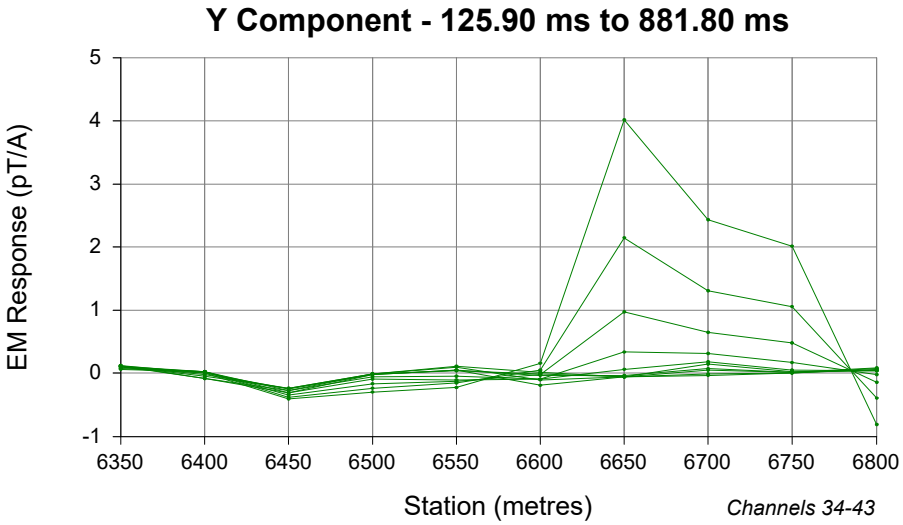
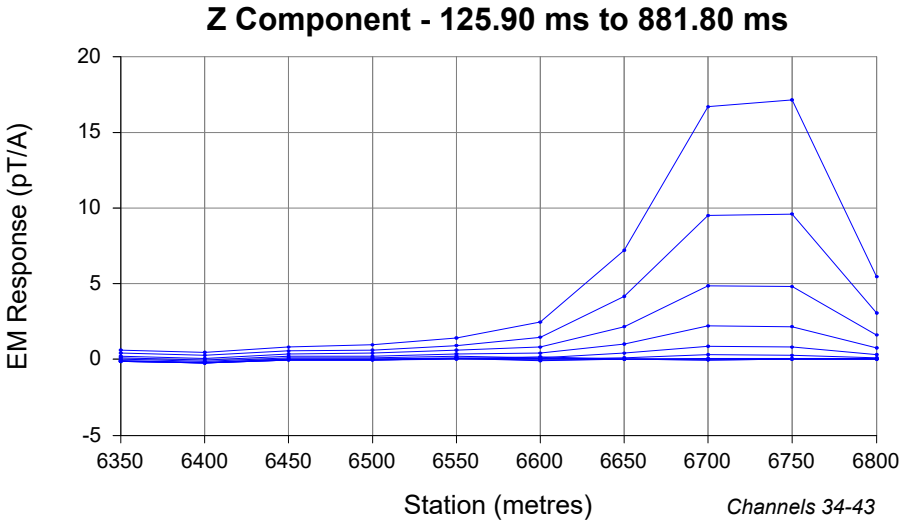








SURVEY PARAMETERS

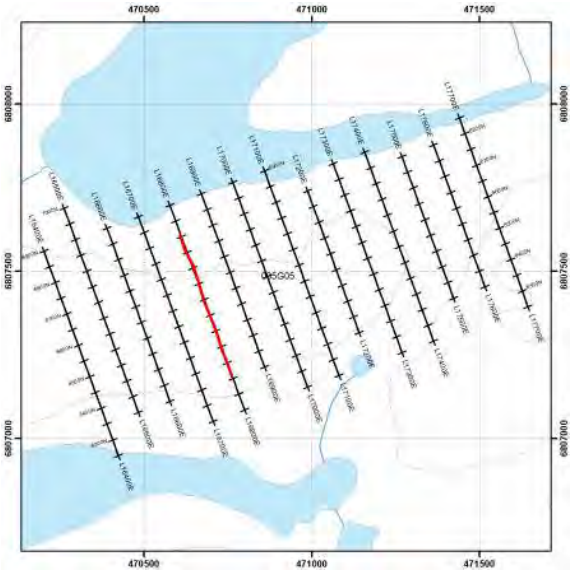
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 16800E

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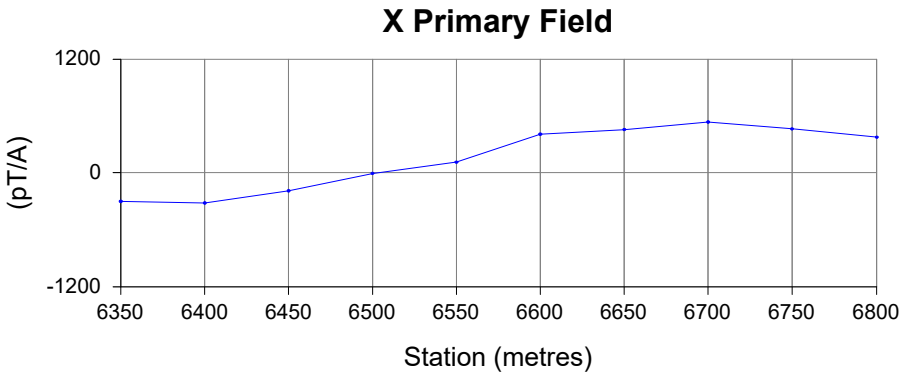
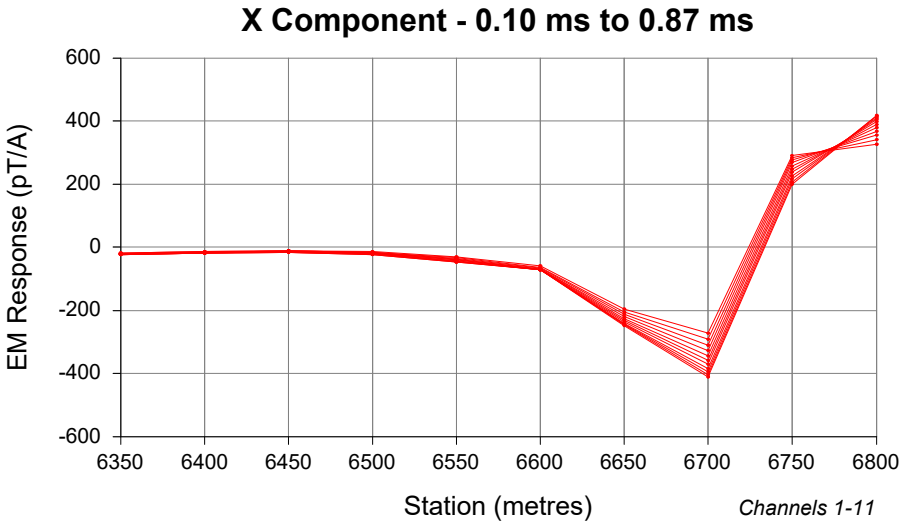
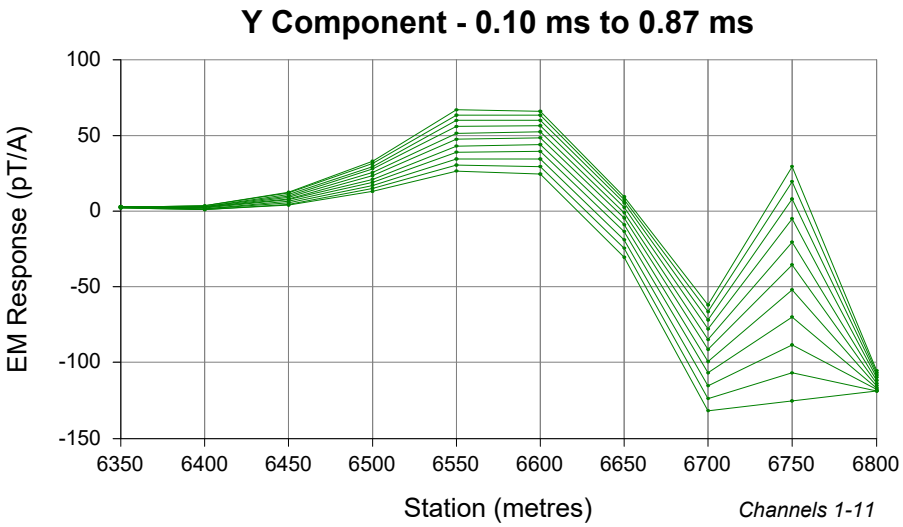
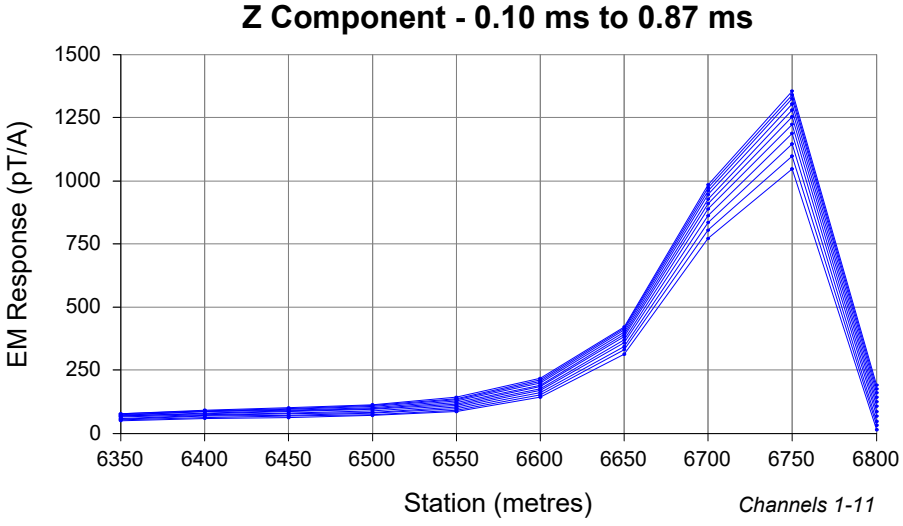








SURVEY PARAMETERS

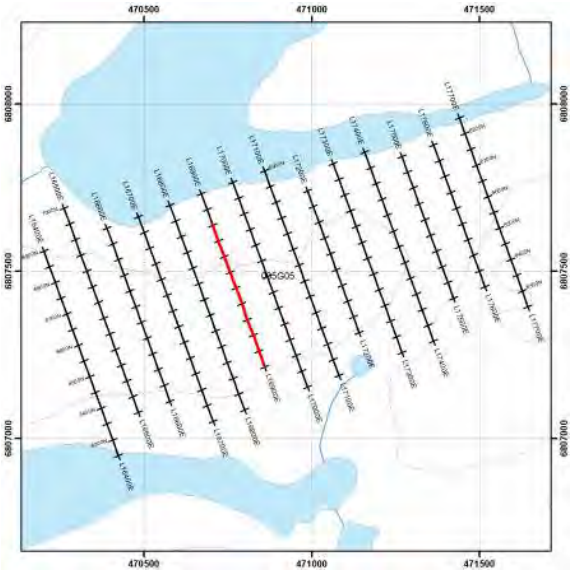
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 16900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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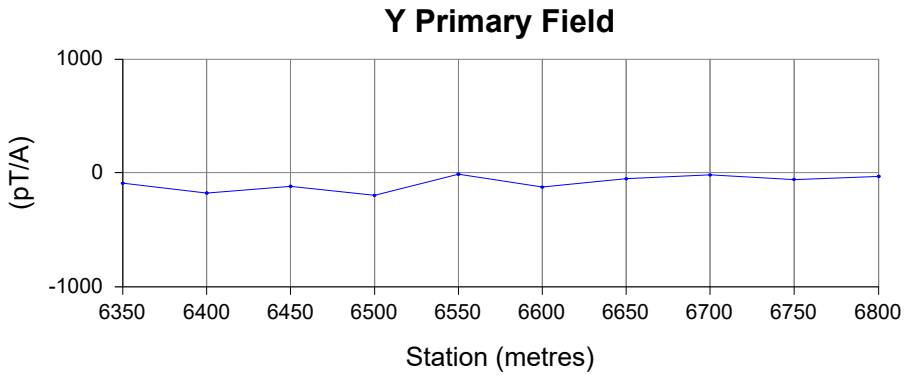
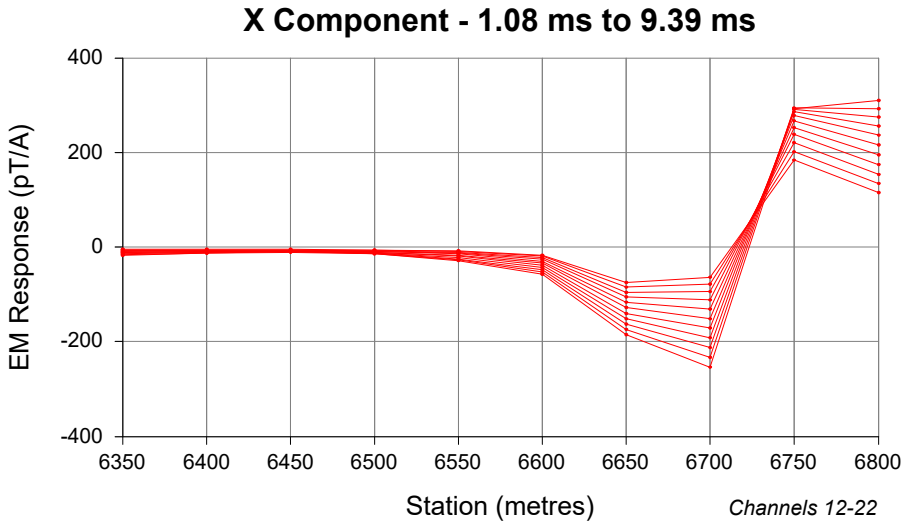
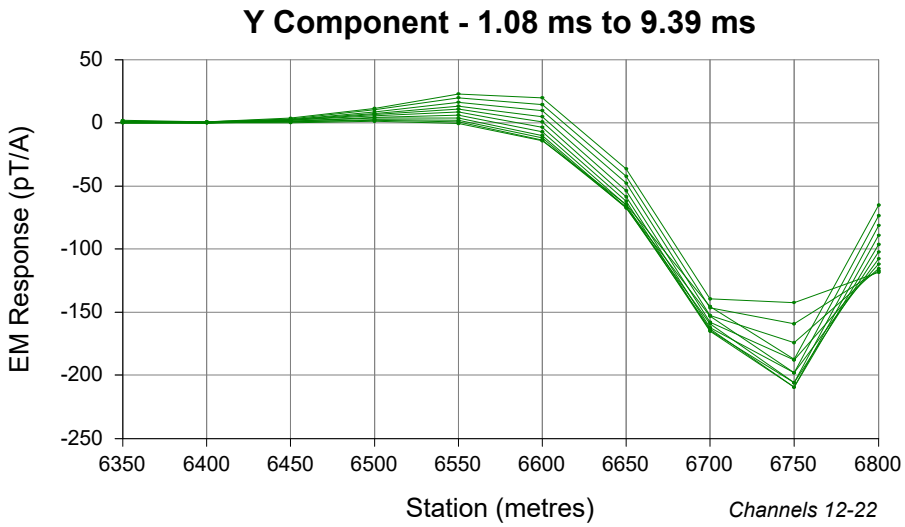
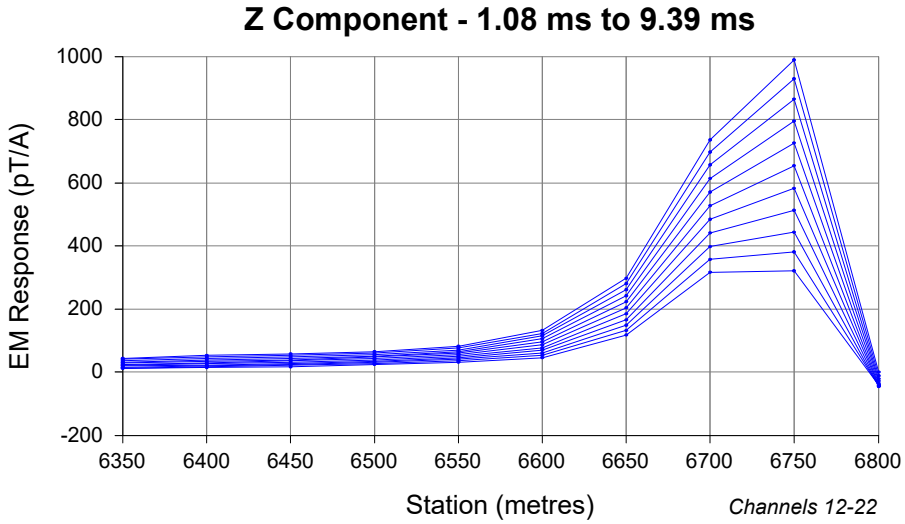








SURVEY PARAMETERS

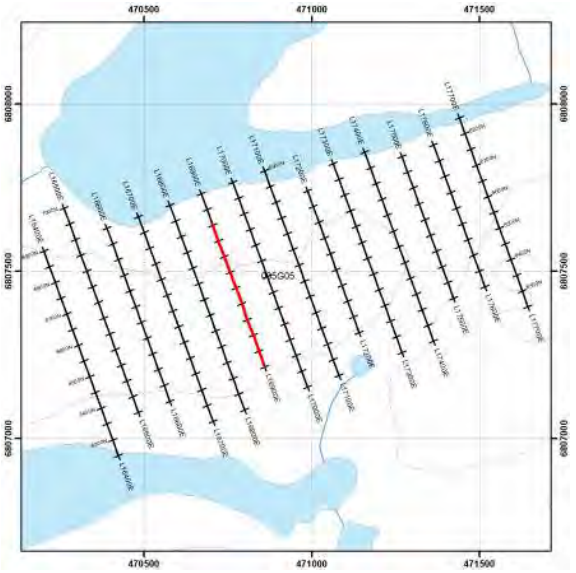
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Scale 1:4500

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Moving-Loop TEM Survey

Line 16900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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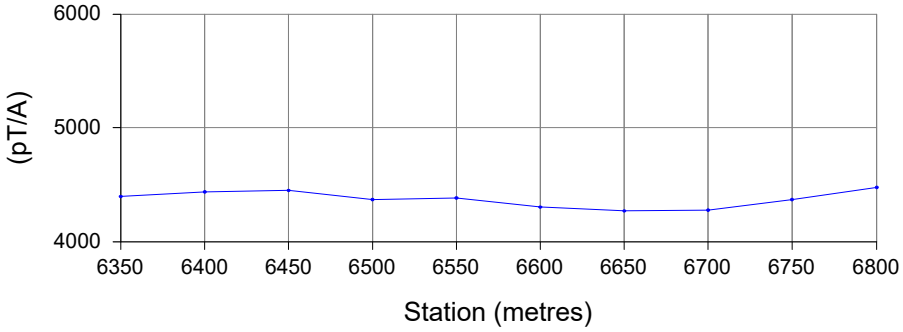
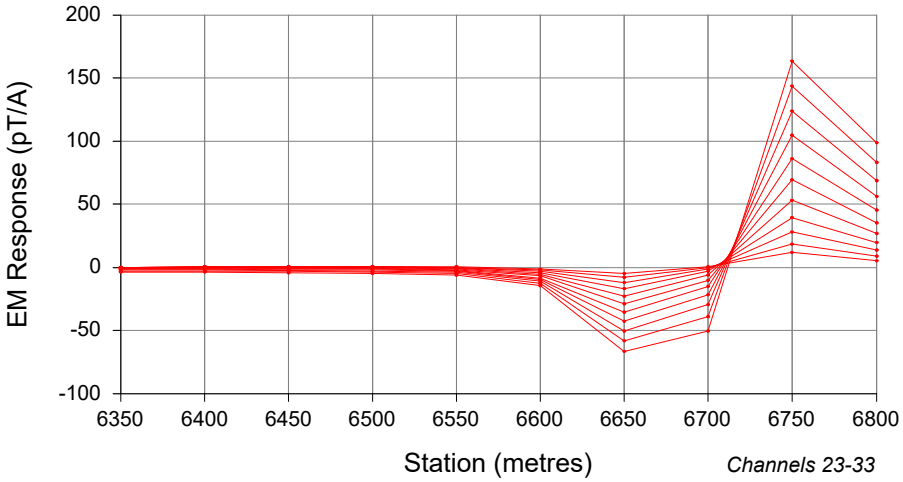
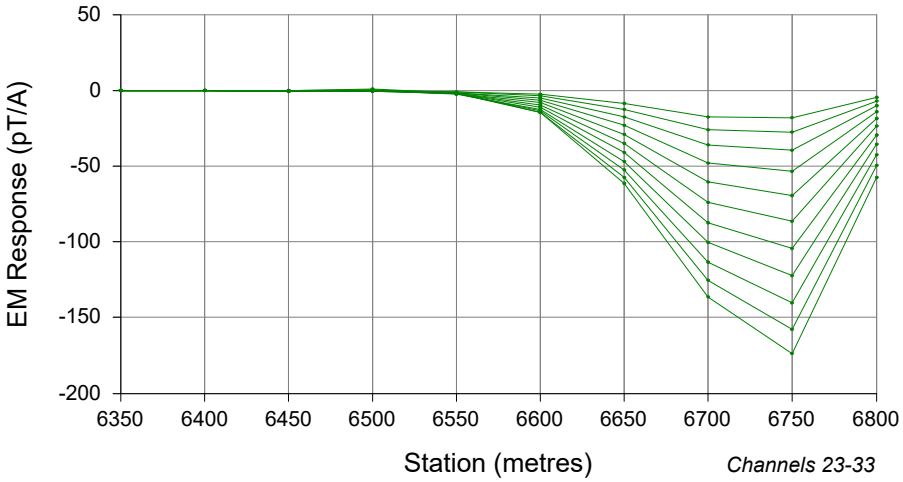
Z Primary Field



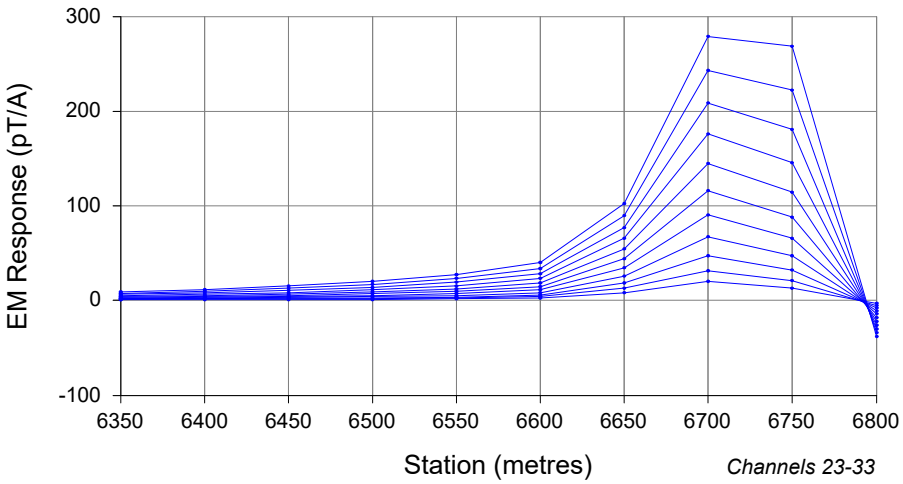
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

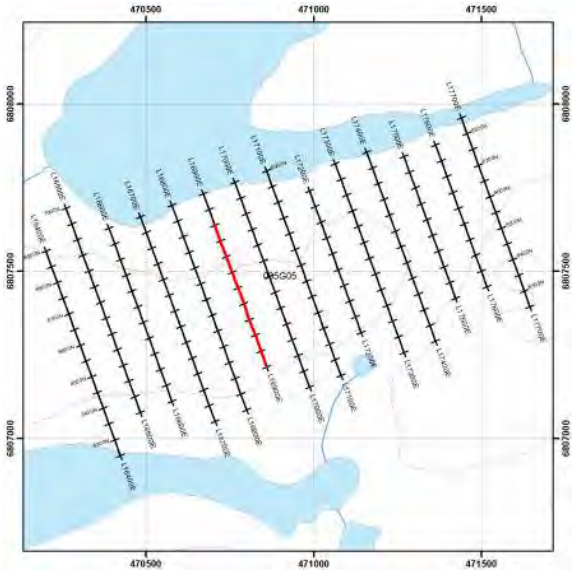
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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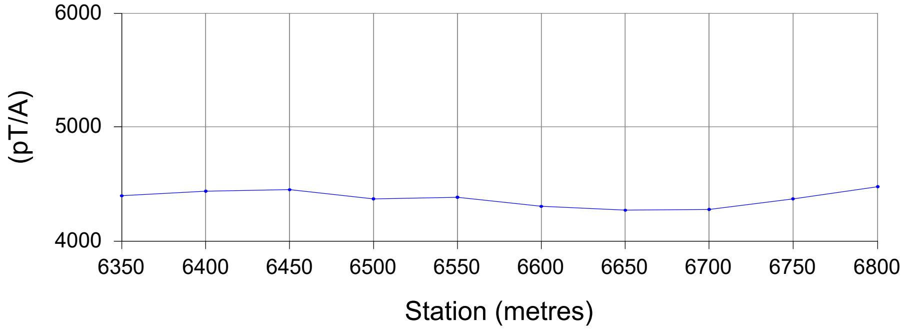
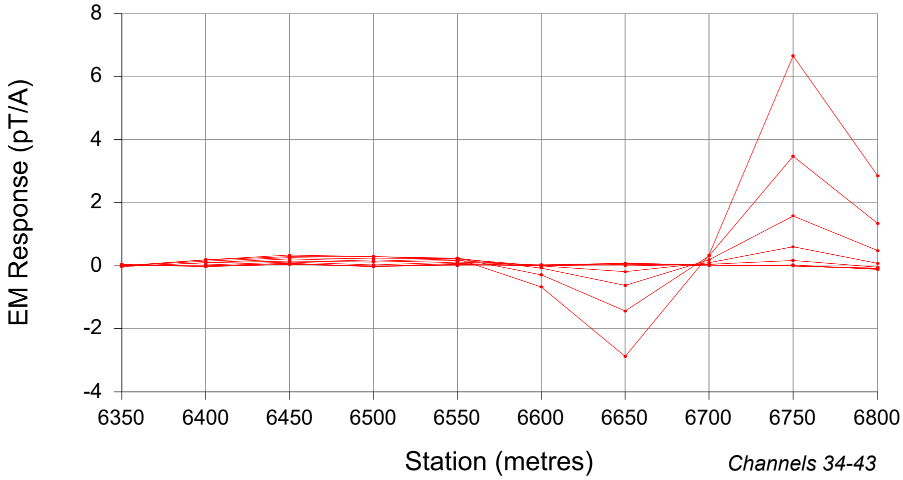
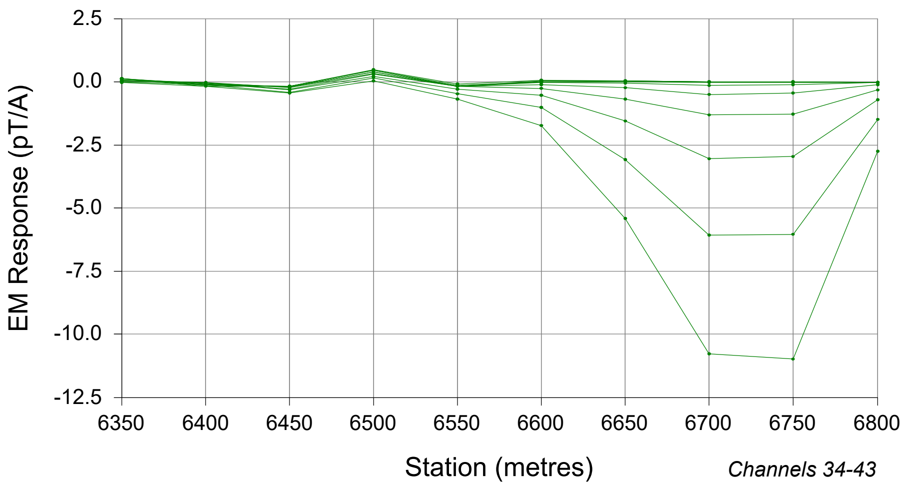
Z Primary Field



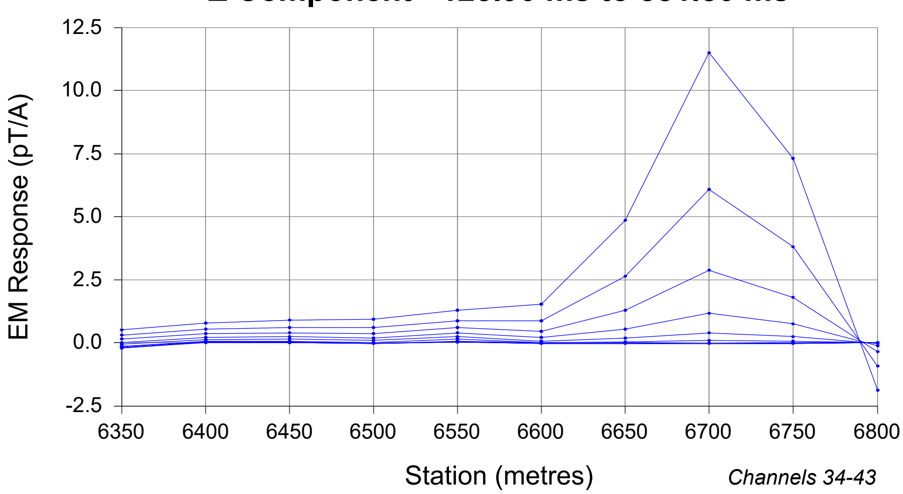
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

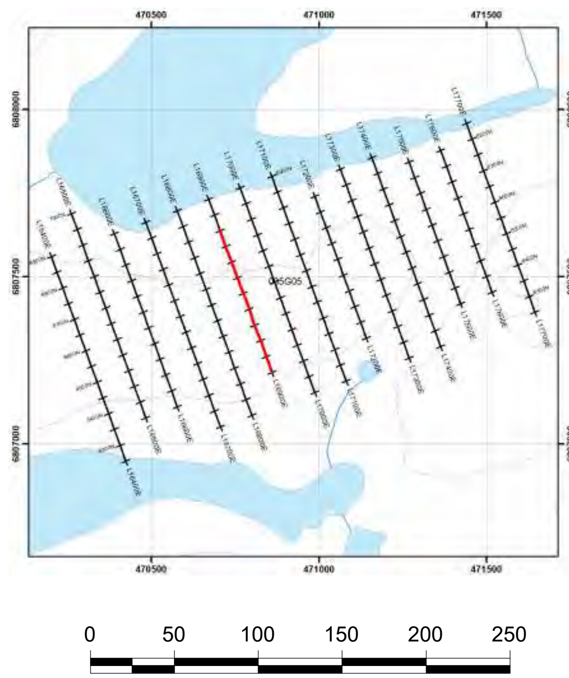
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Moving-Loop TEM Survey

Line 16900E

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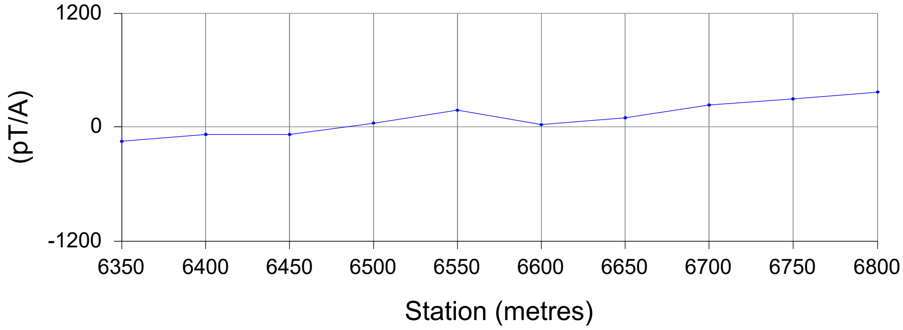
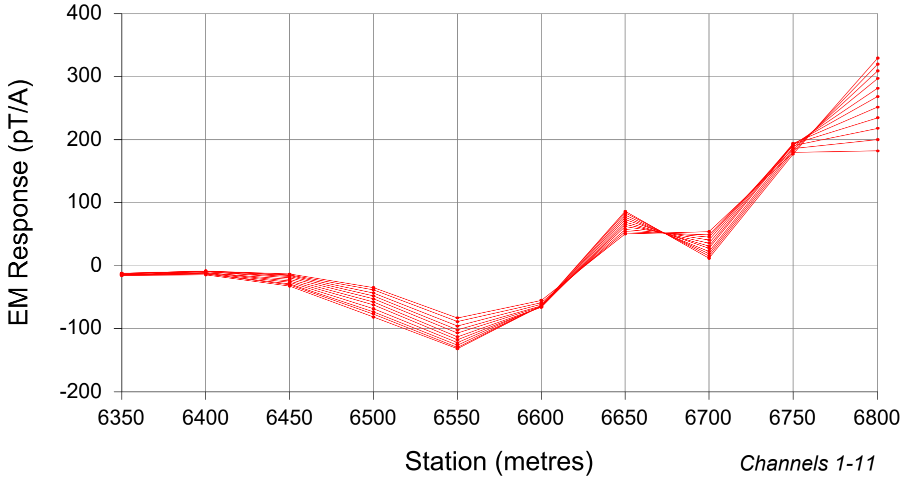
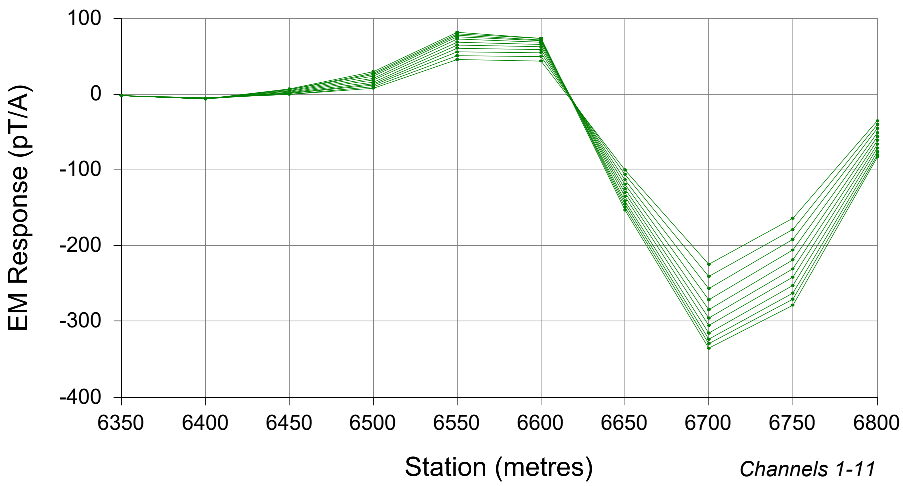
X Primary Field



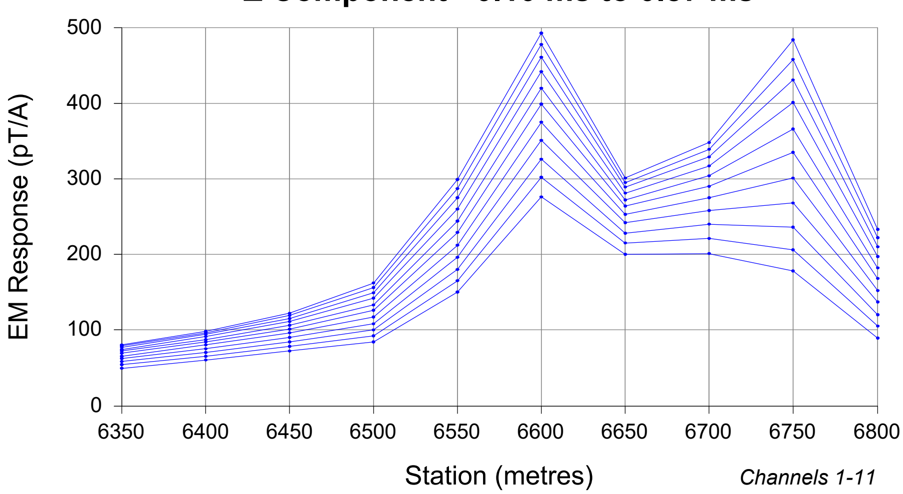
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

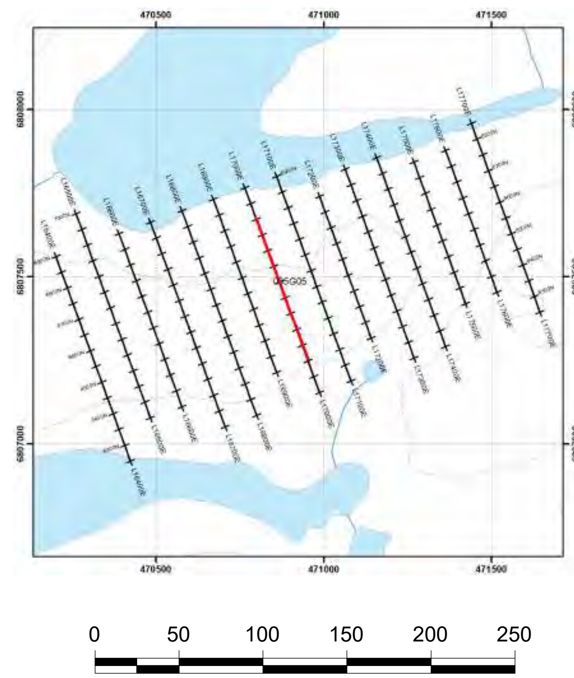
Configuration : Moving-Loop TEM
Station Spacing : 0-50 m

RECEIVER

Receiver : SMARTem24
Frequency : 0.25 Hz
Component : Z, X, Y
Rx Sensor : Supracon HT SQUID
Rx Serial Number : JD413, JD4133

TRANSMITTER

Transmitter : Phoenix TXU-30
Tx Loop Side : 200 m x 400 m
Tx Turns : 1
Tx Current : 50.0 A
Turn Off : 0.500 ms



Scale 1:4500

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Line 17000E

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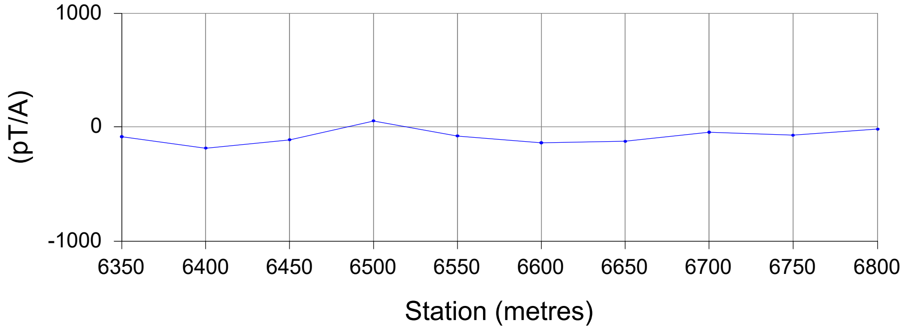
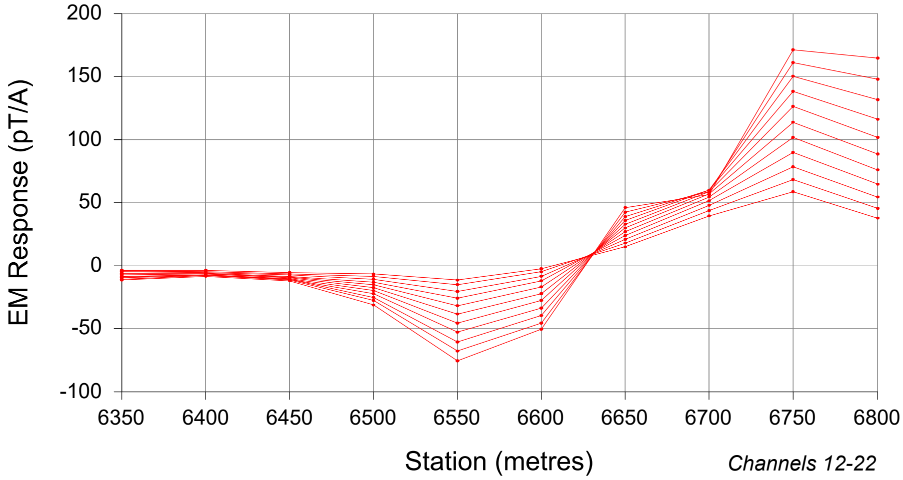
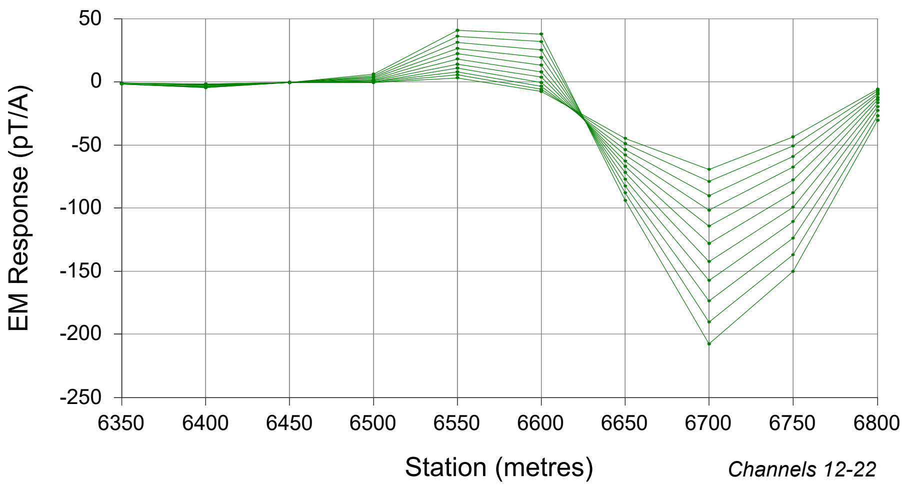
Y Primary Field



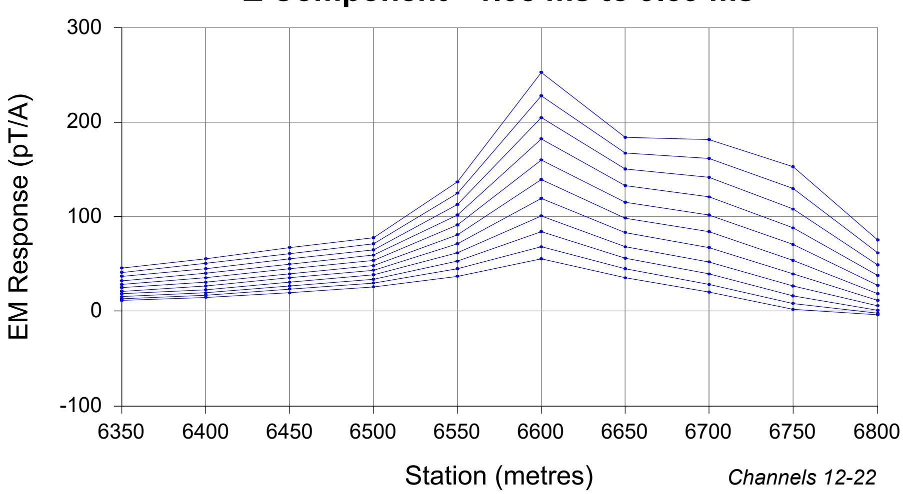
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

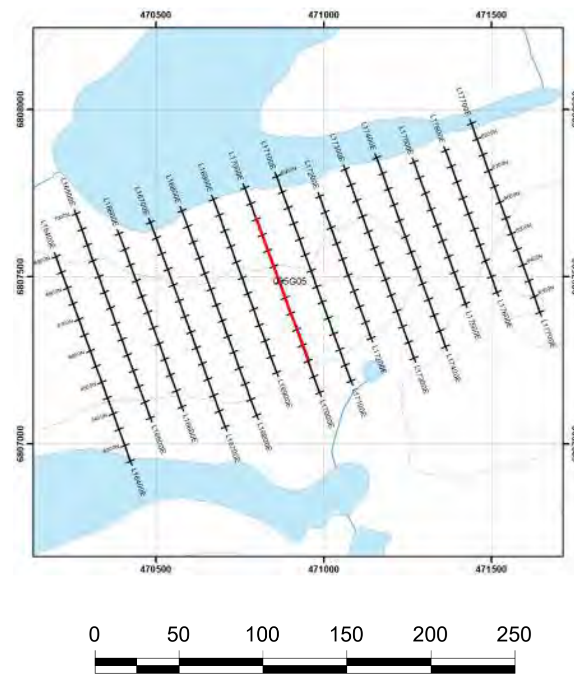
Configuration : Moving-Loop TEM
Station Spacing : 0-50 m

RECEIVER

Receiver : SMARTem24
Frequency : 0.25 Hz
Component : Z, X, Y
Rx Sensor : Supracon HT SQUID
Rx Serial Number : JD413, JD4133

TRANSMITTER

Transmitter : Phoenix TXU-30
Tx Loop Side : 200 m x 400 m
Tx Turns : 1
Tx Current : 50.0 A
Turn Off : 0.500 ms



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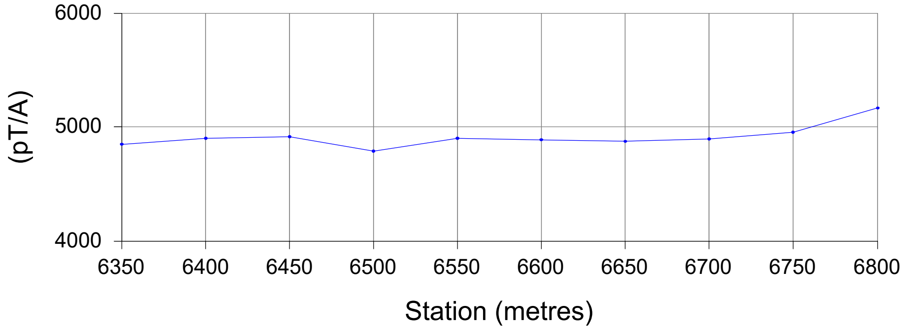
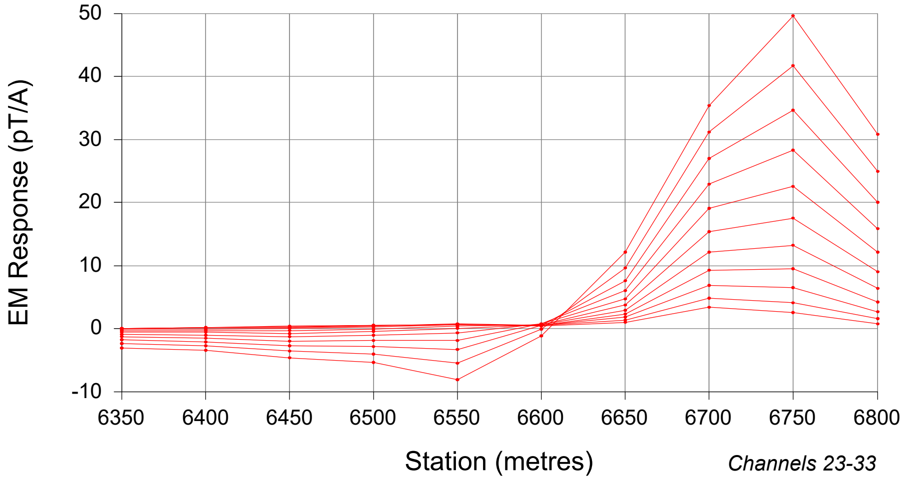
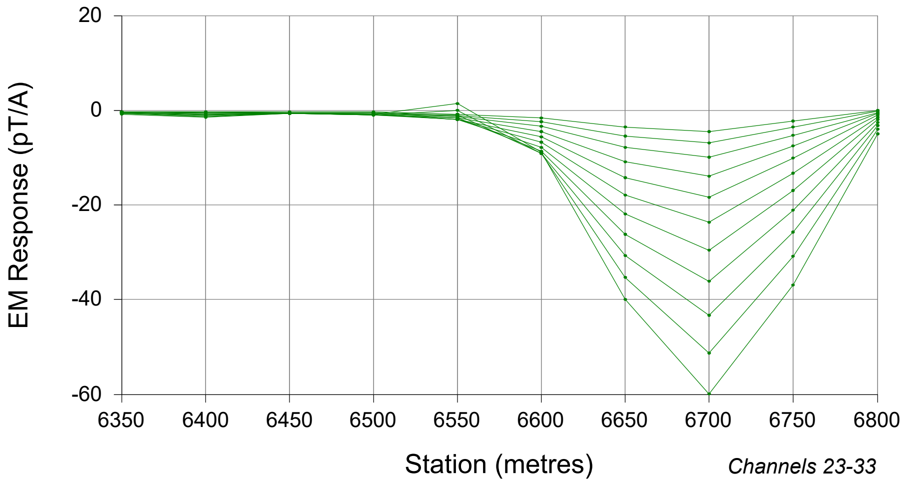
Z Primary Field



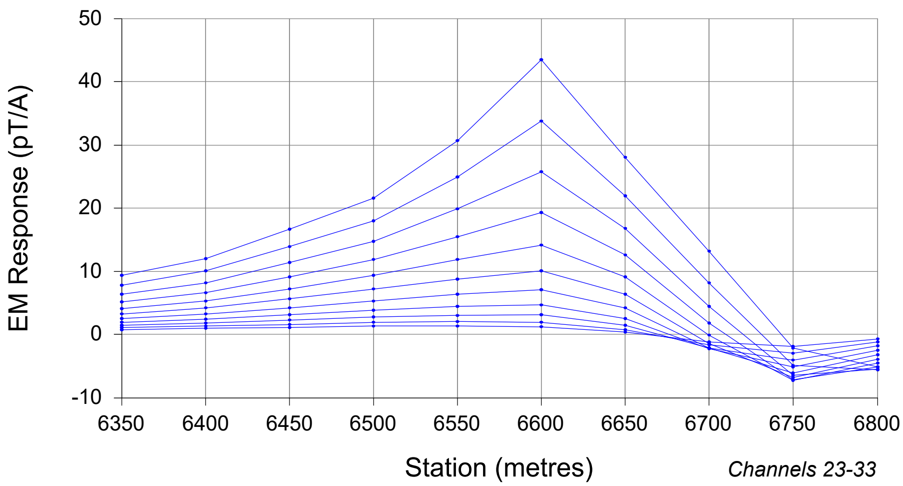
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

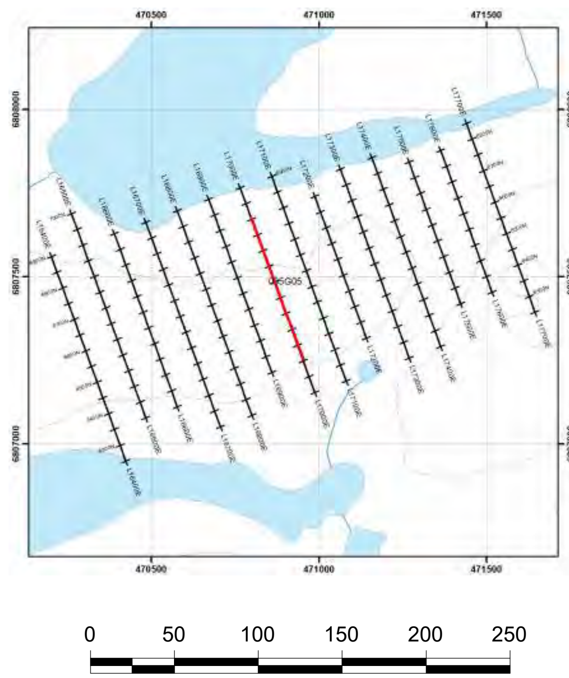
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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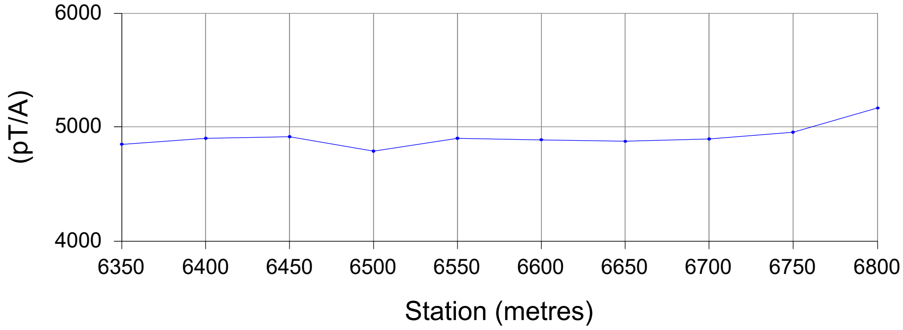
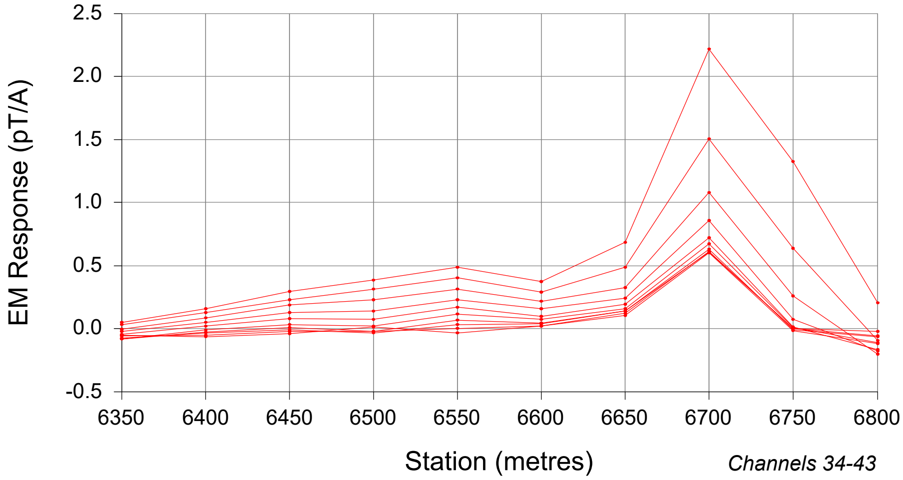
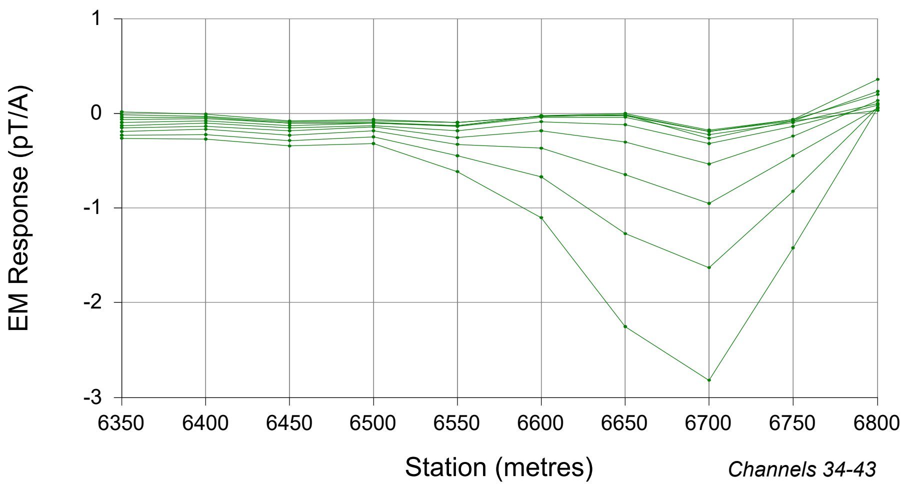
Z Primary Field



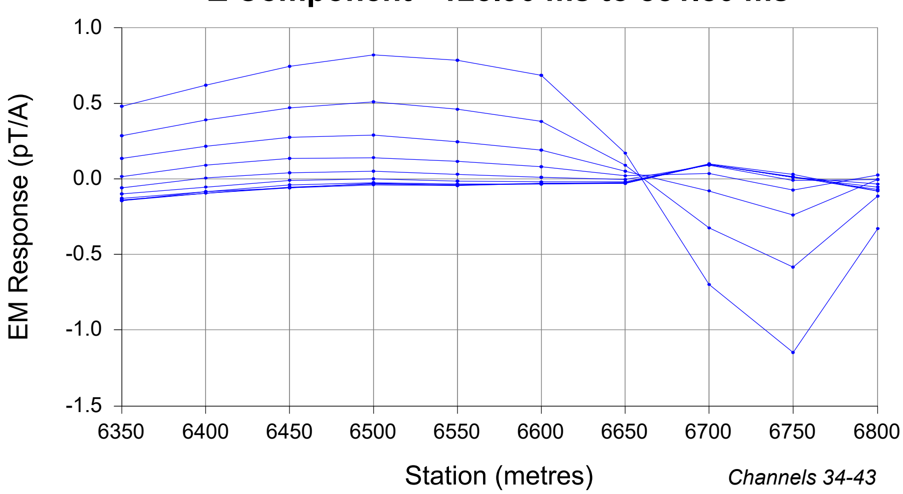
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

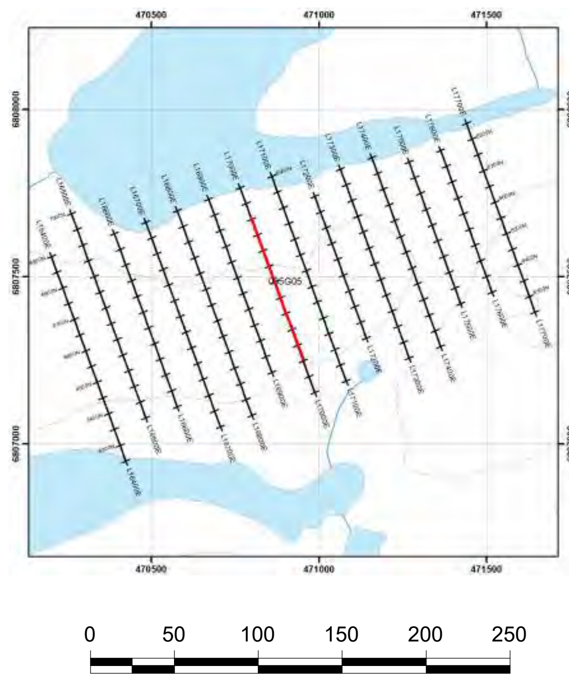
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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Moving-Loop TEM Survey

Line 17000E

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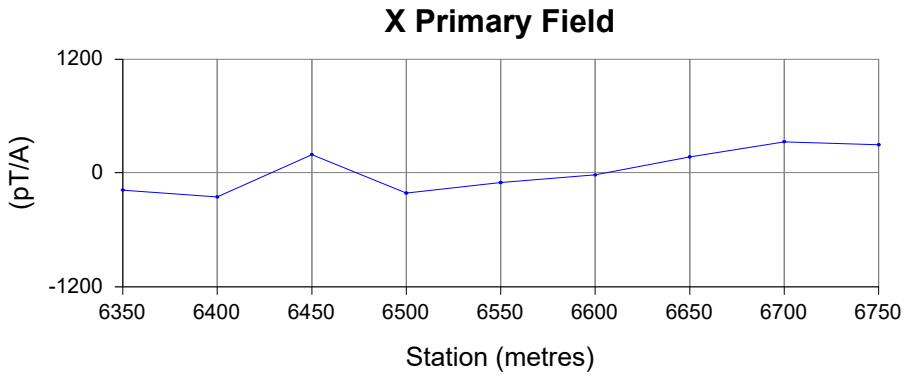
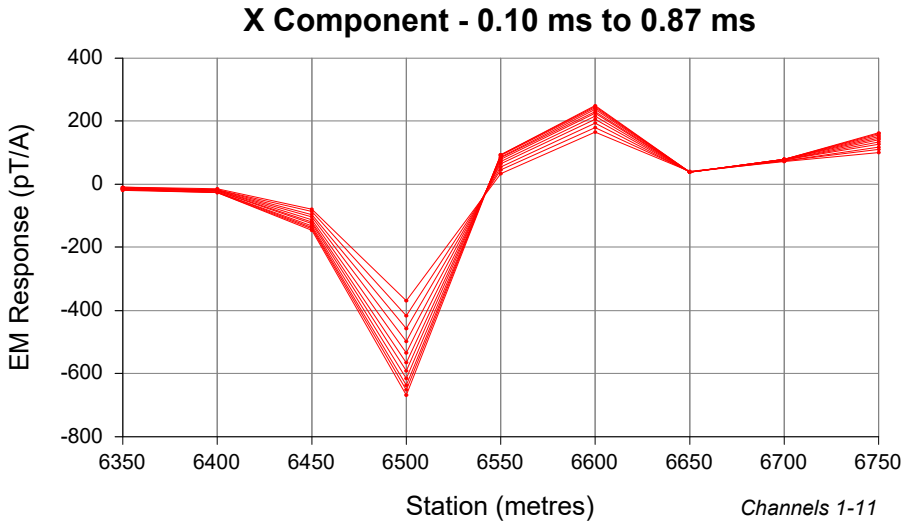
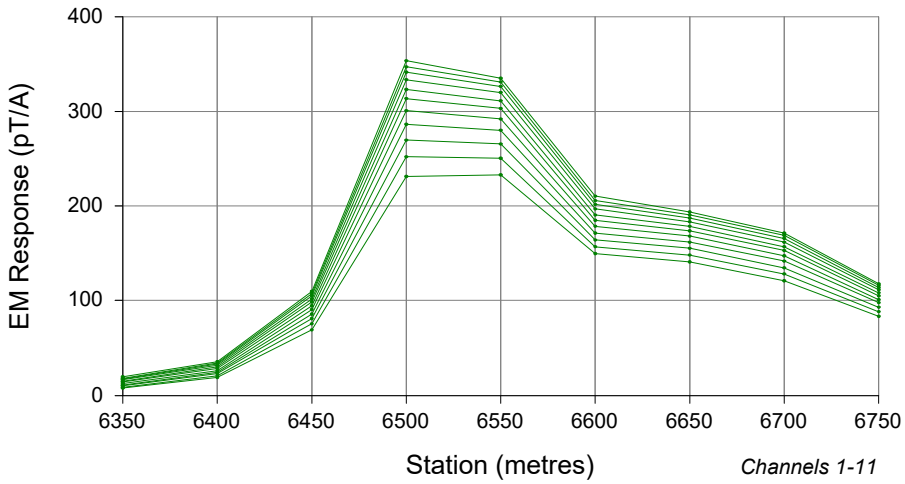
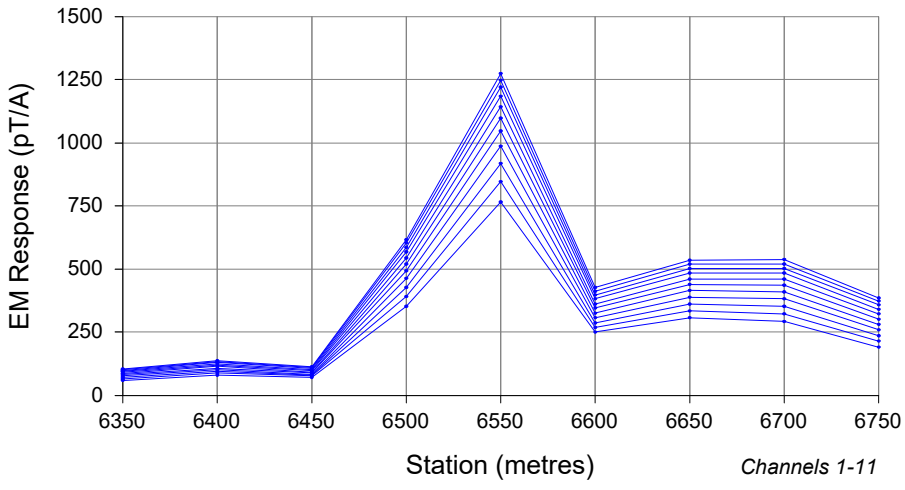








SURVEY PARAMETERS

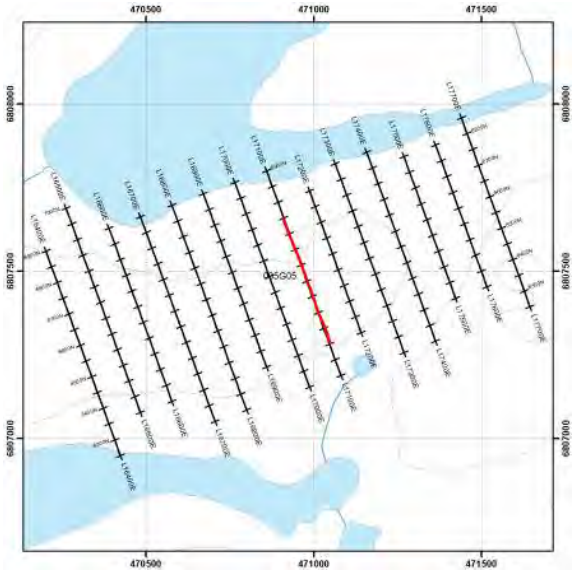
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 17100E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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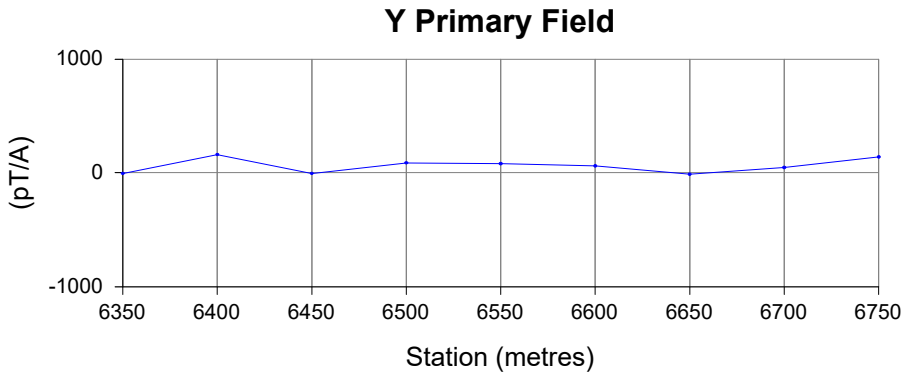
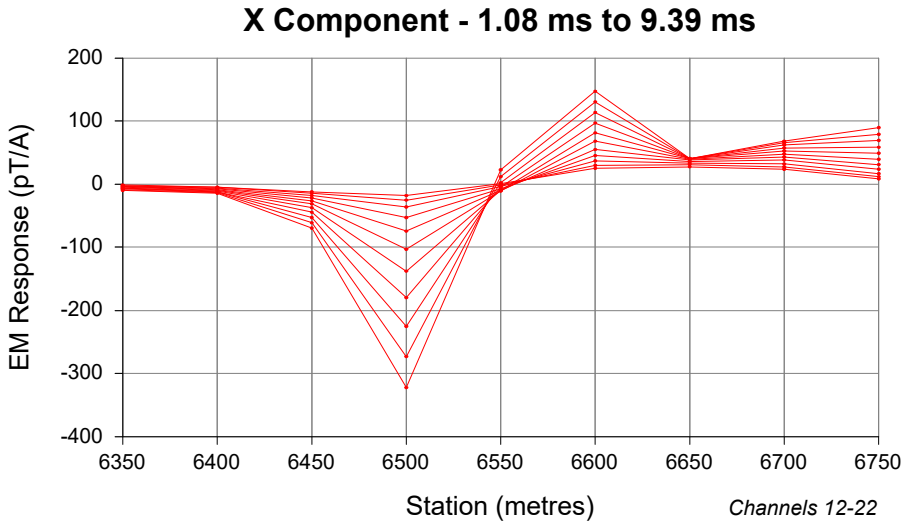
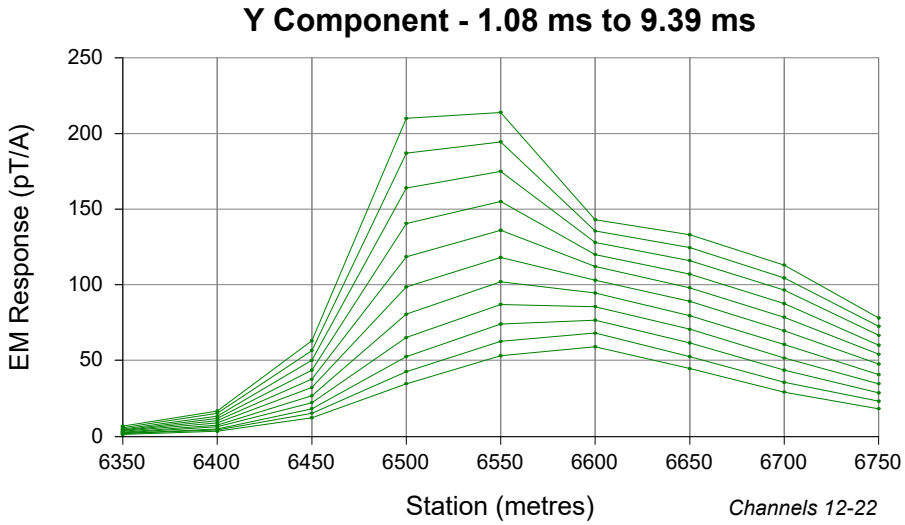
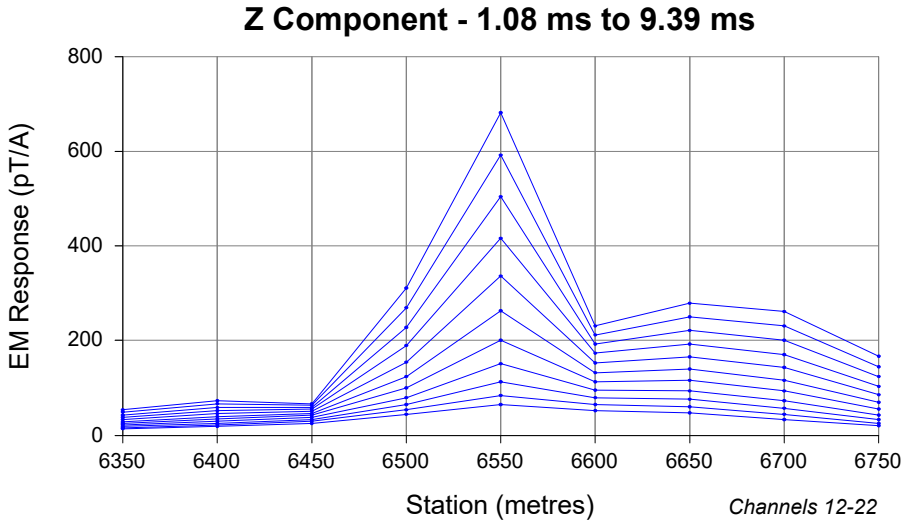








SURVEY PARAMETERS

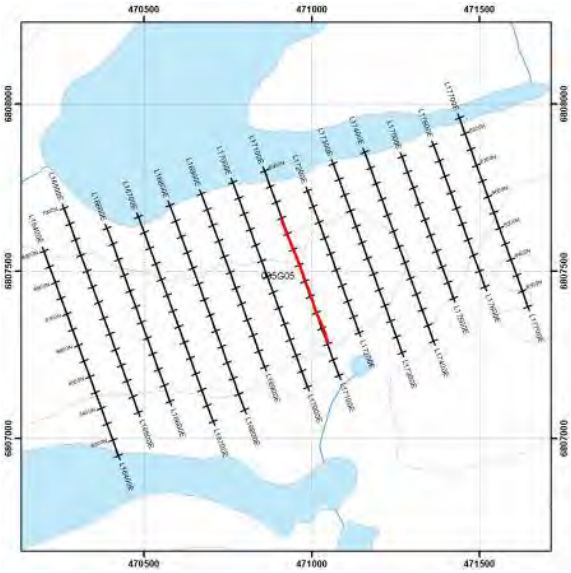
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 17100E

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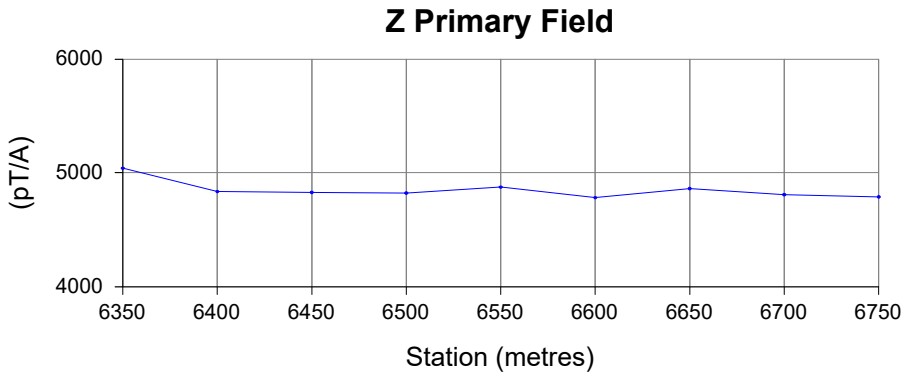
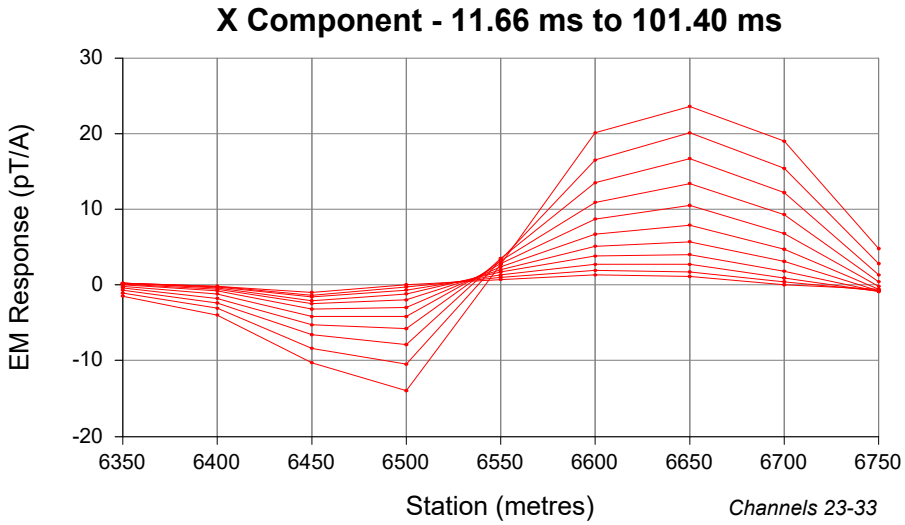
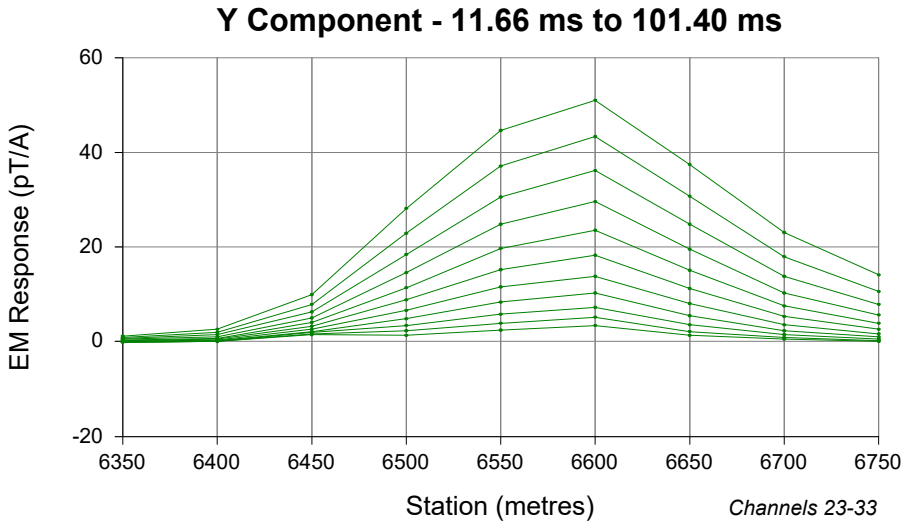
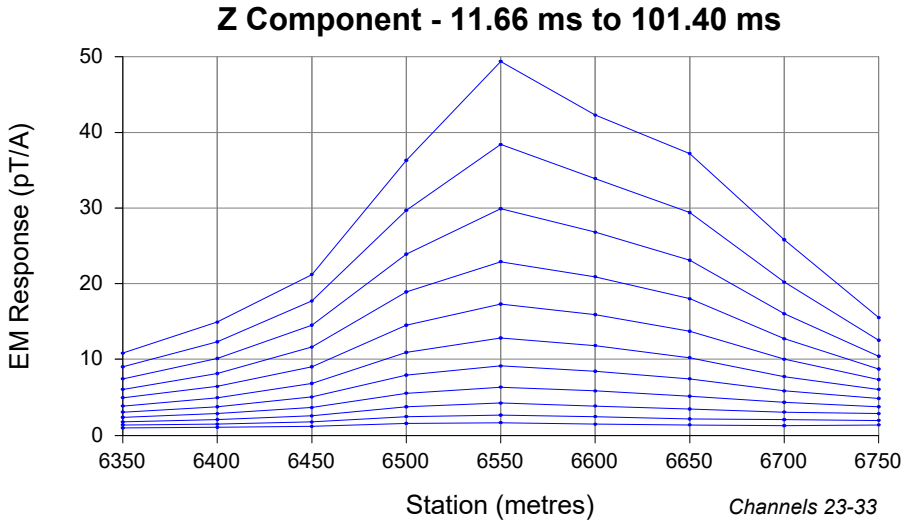








SURVEY PARAMETERS

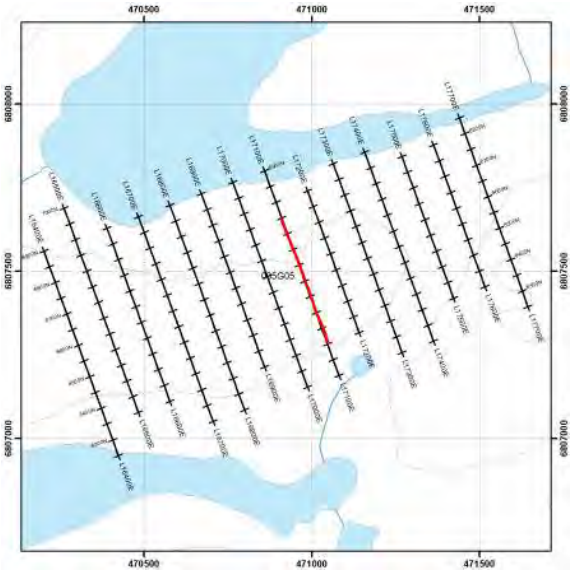
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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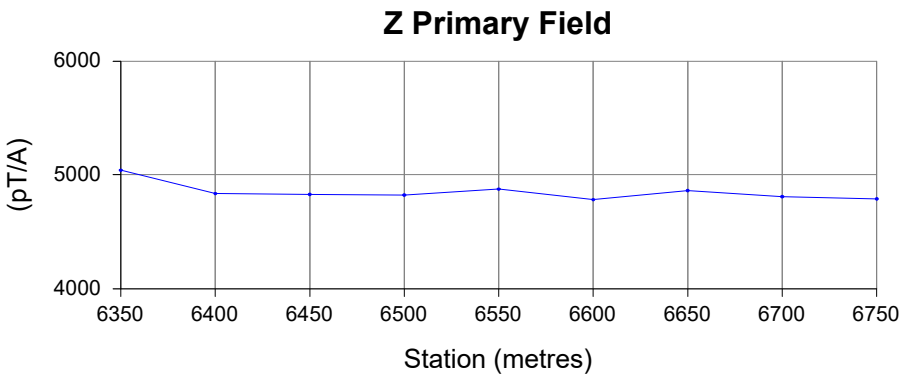

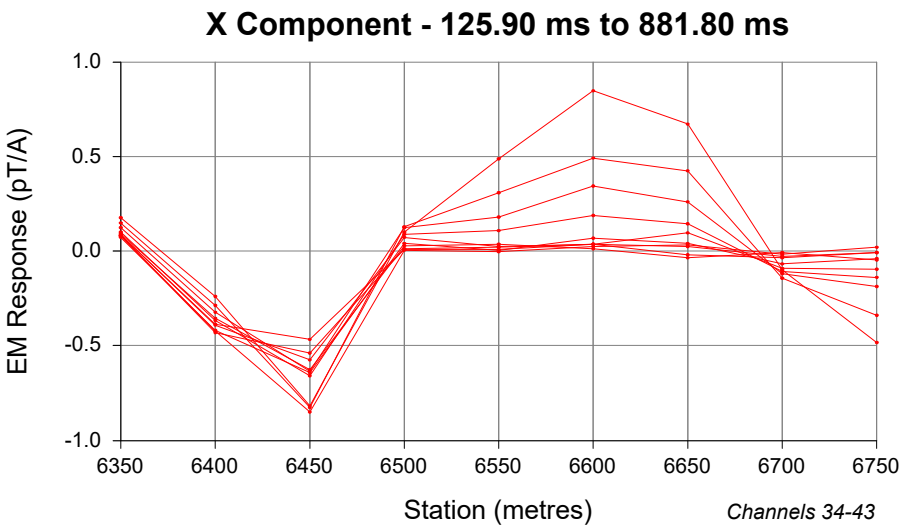

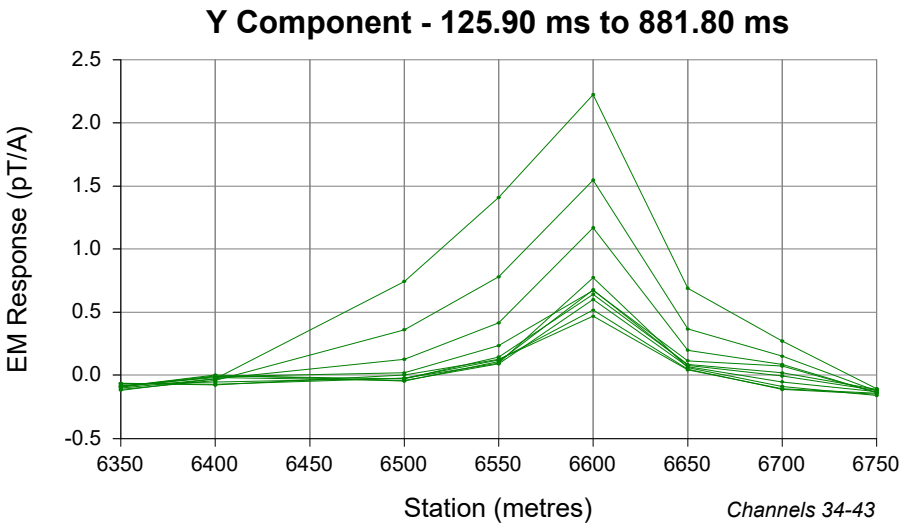

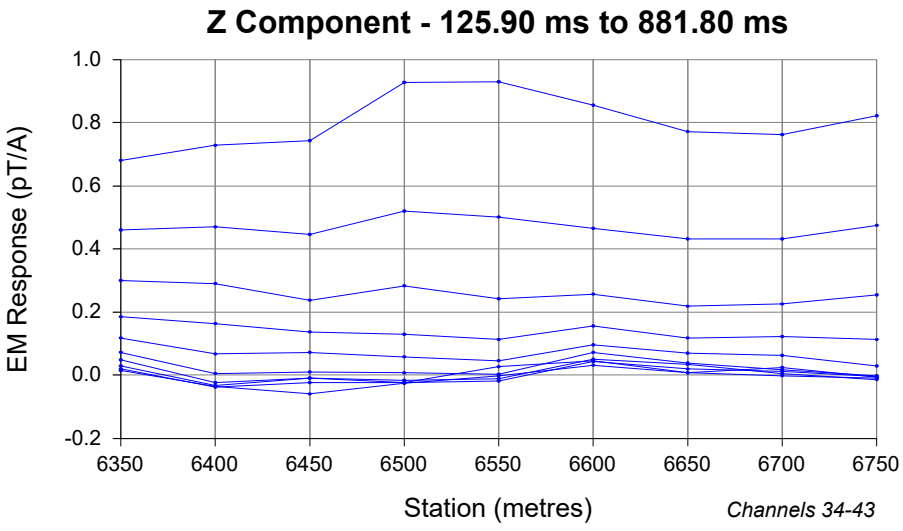

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
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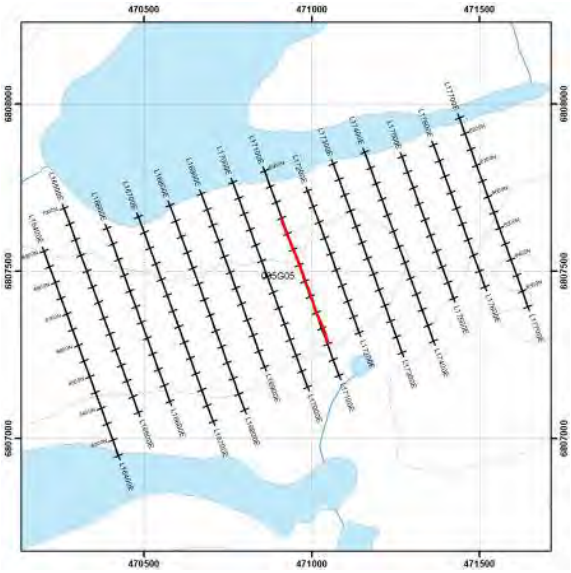
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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West Raglan Project
Boomerang Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 17100E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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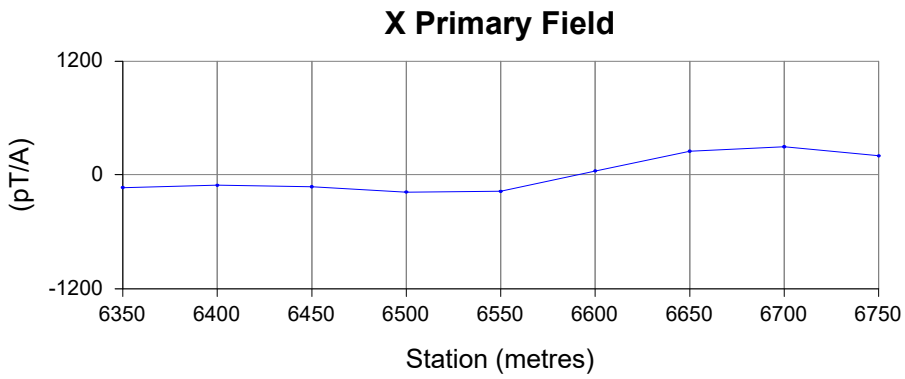
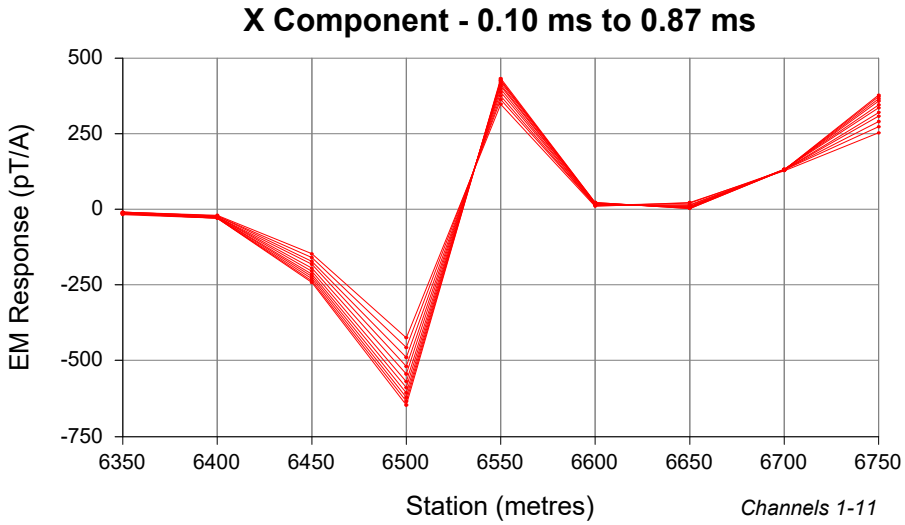
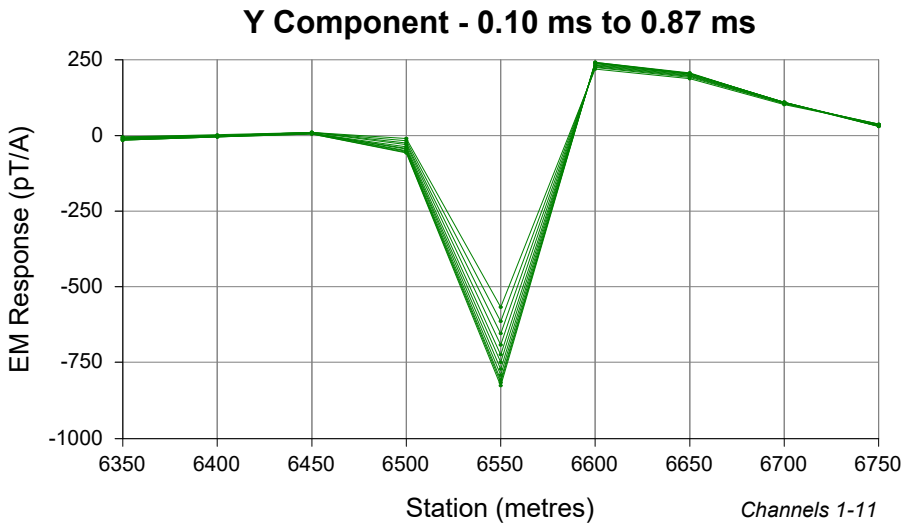
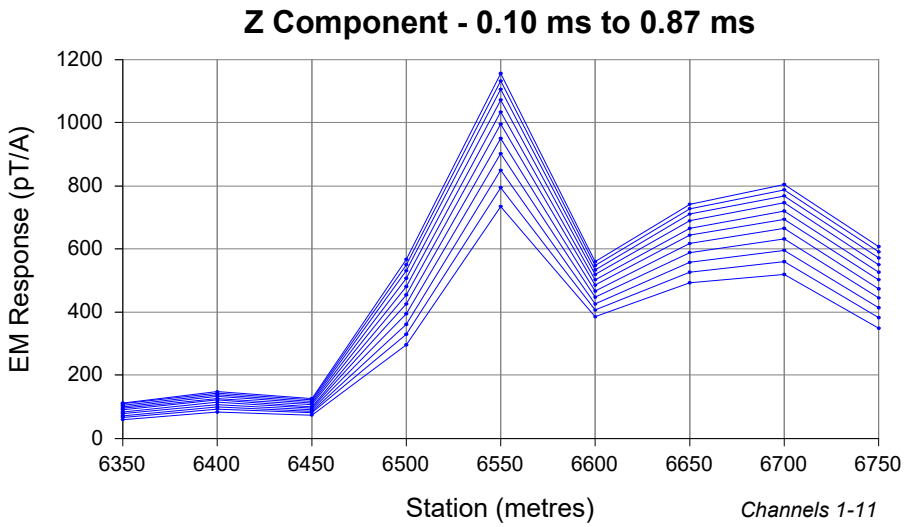








SURVEY PARAMETERS

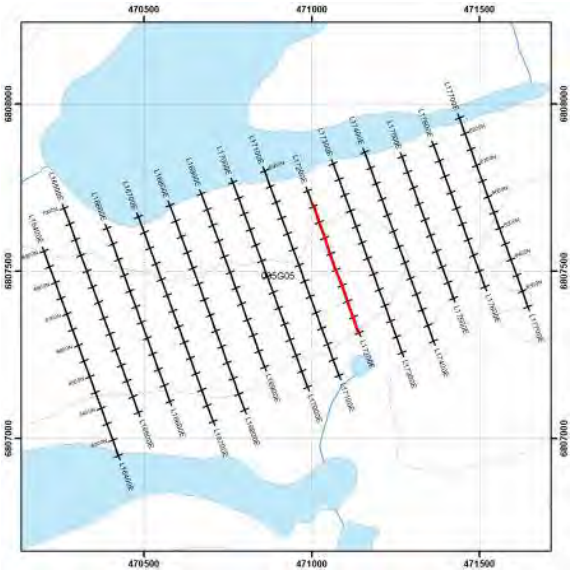
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 17200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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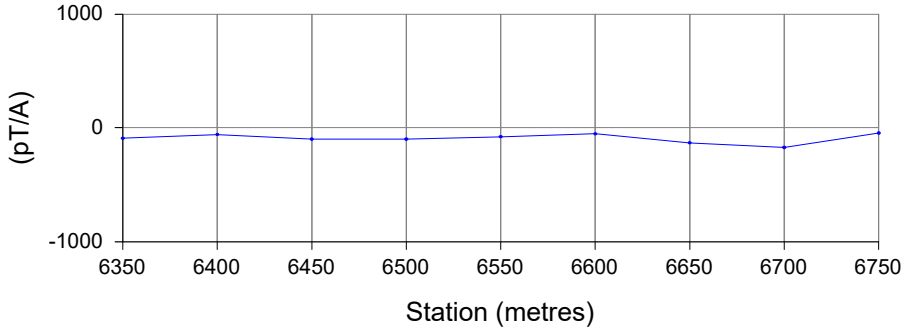
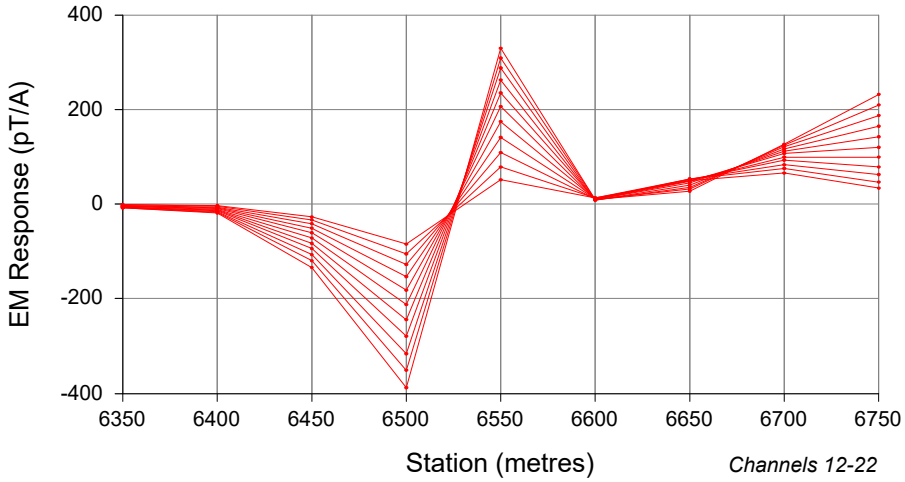
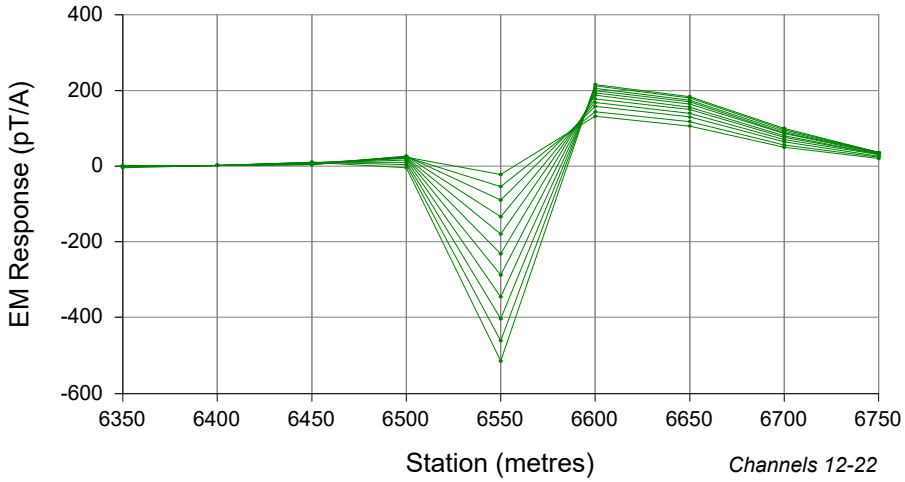
Y Primary Field



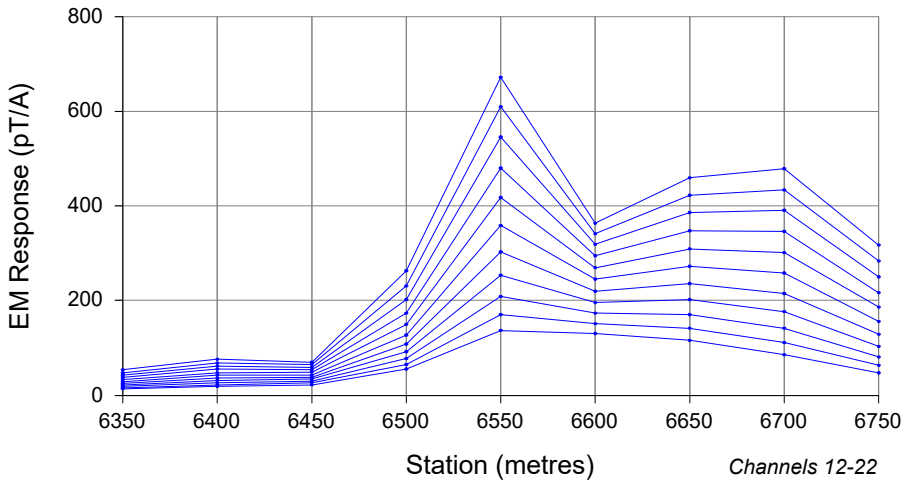
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

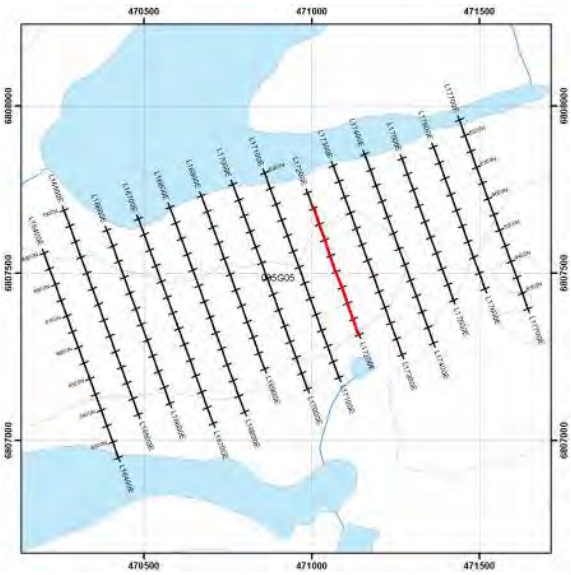
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 17200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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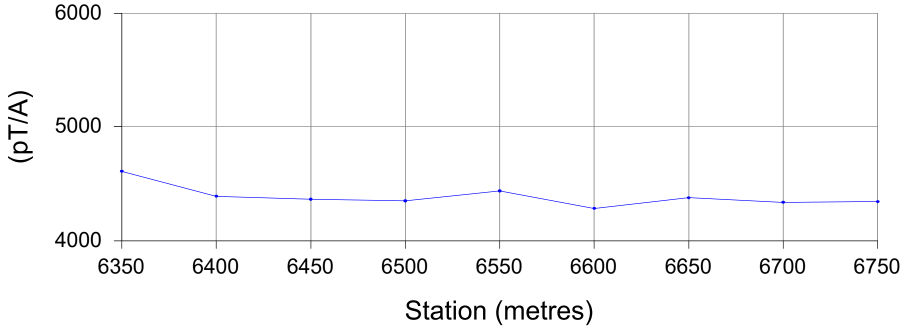
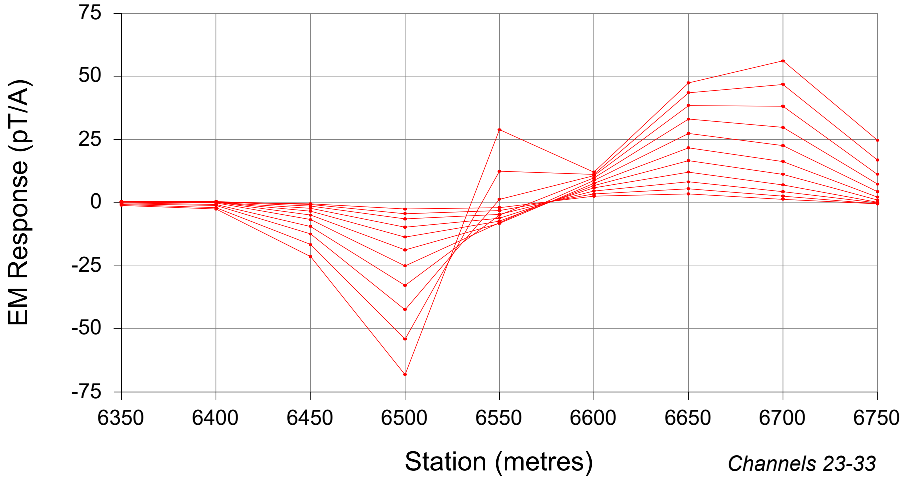
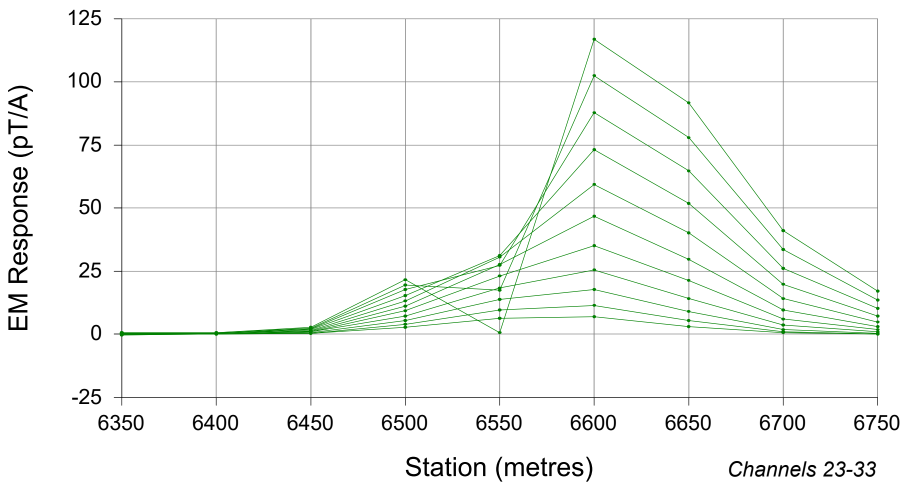
Z Primary Field



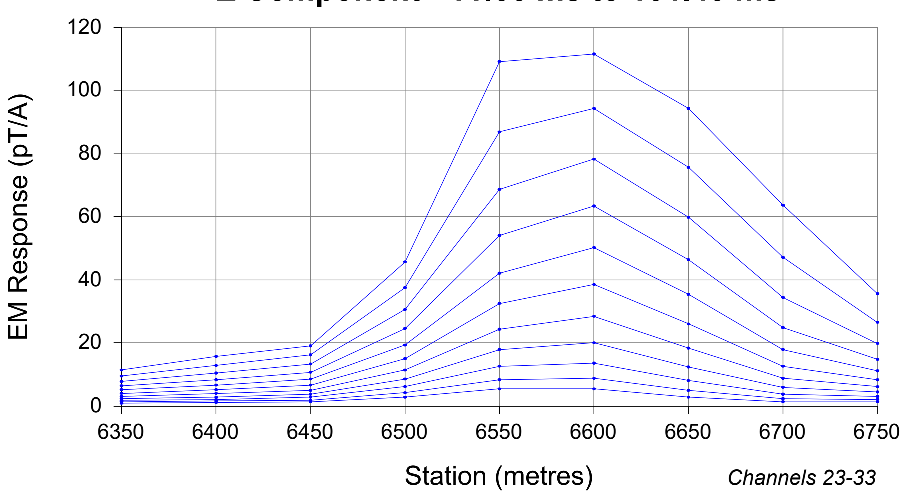
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

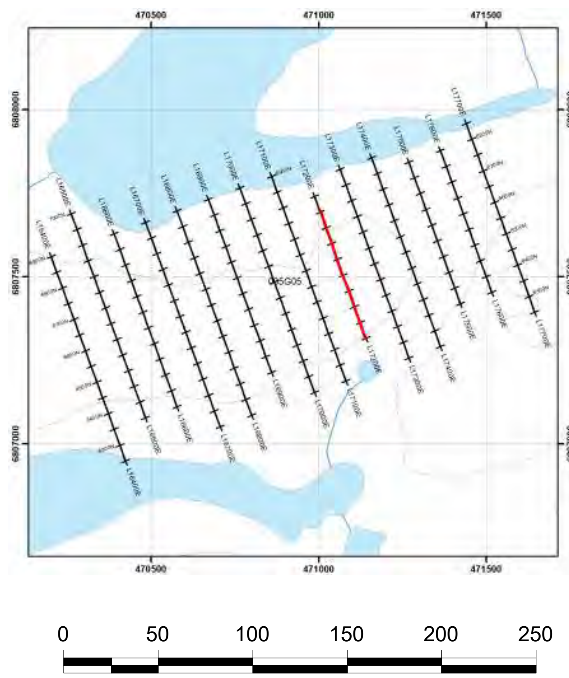
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

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Line 17200E

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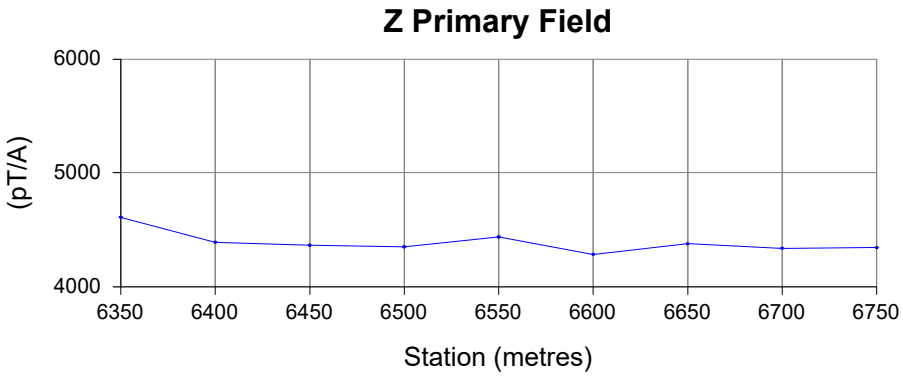
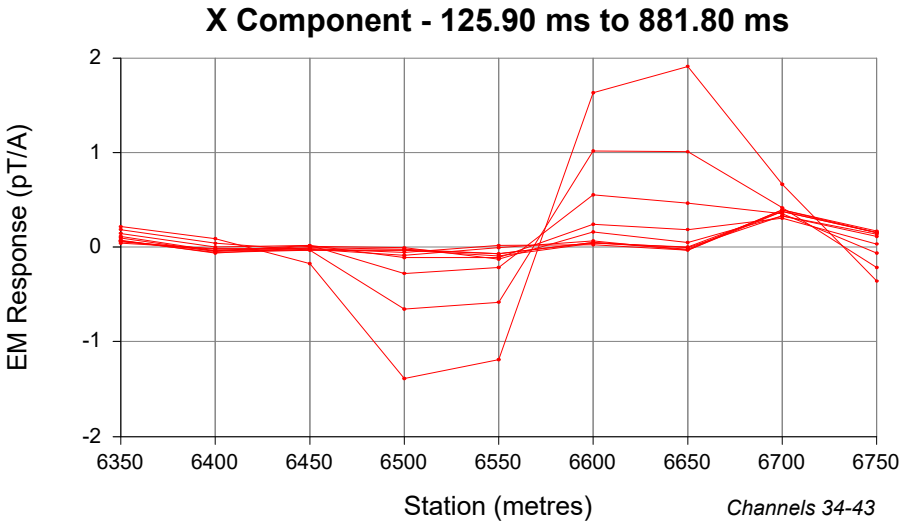
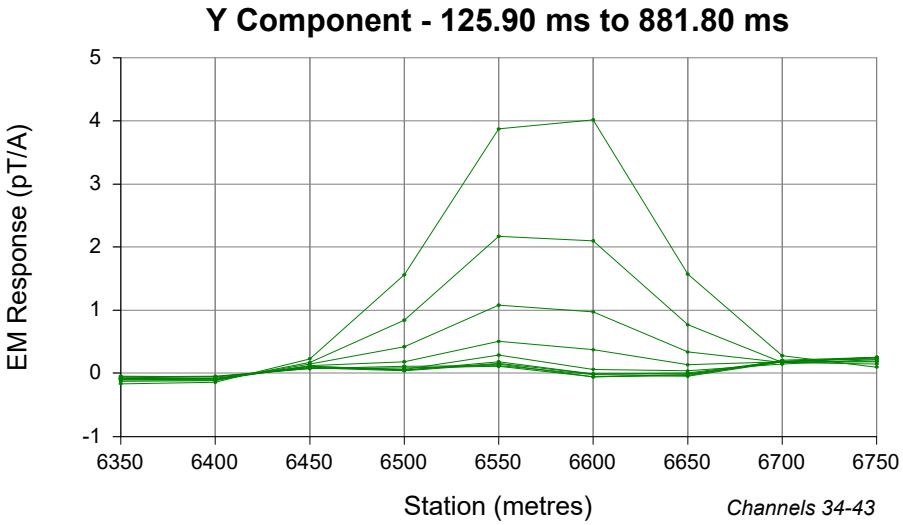
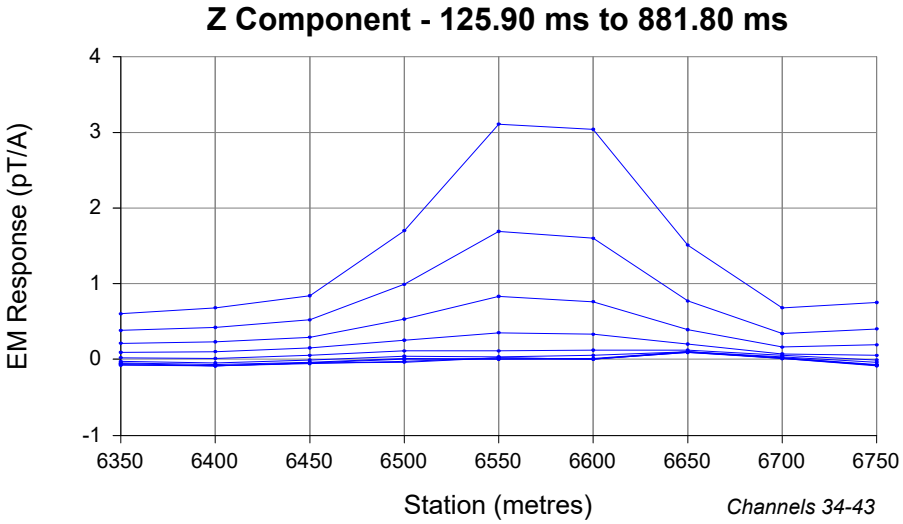








SURVEY PARAMETERS

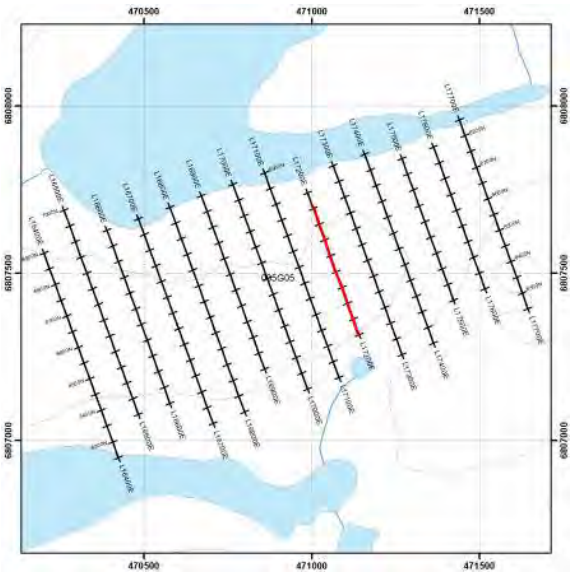
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 17200E

Surveyed By: Cole Smytaniuk
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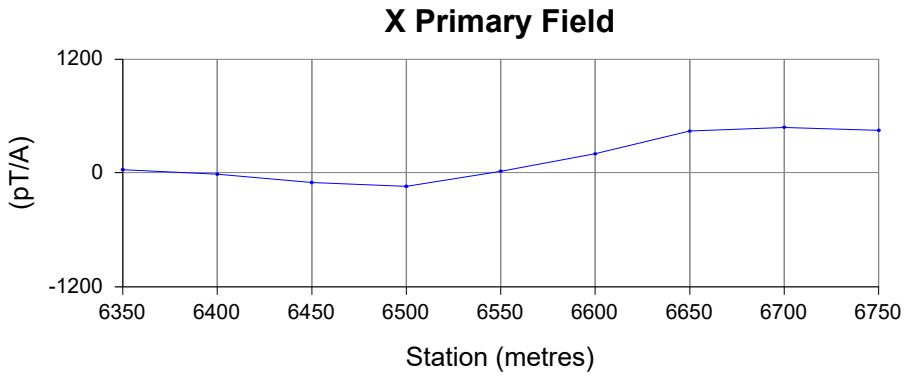
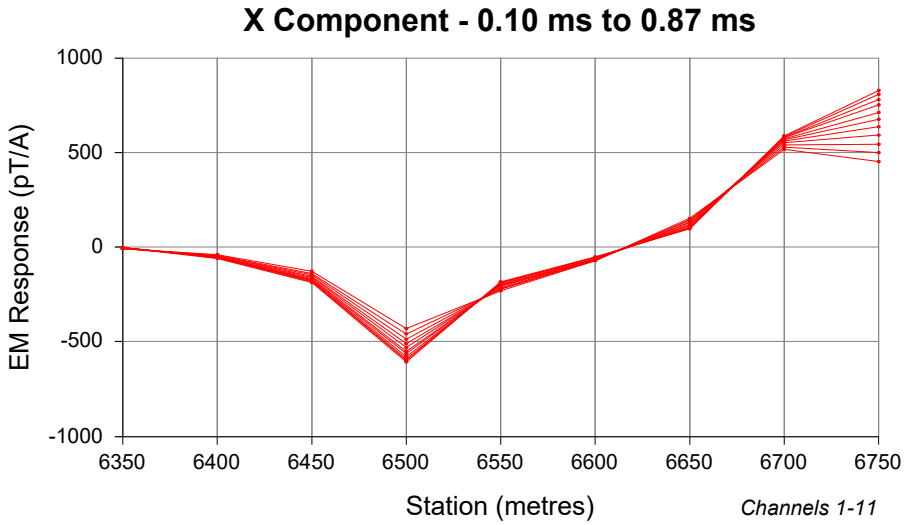
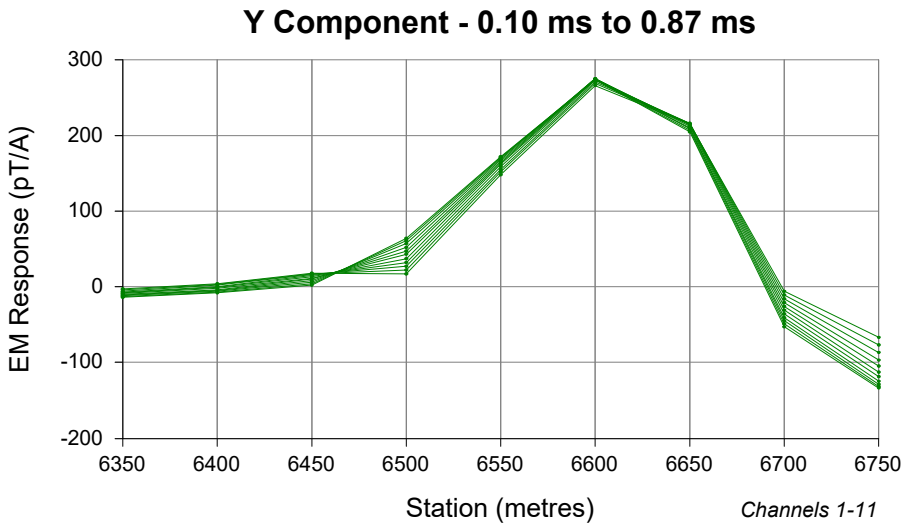
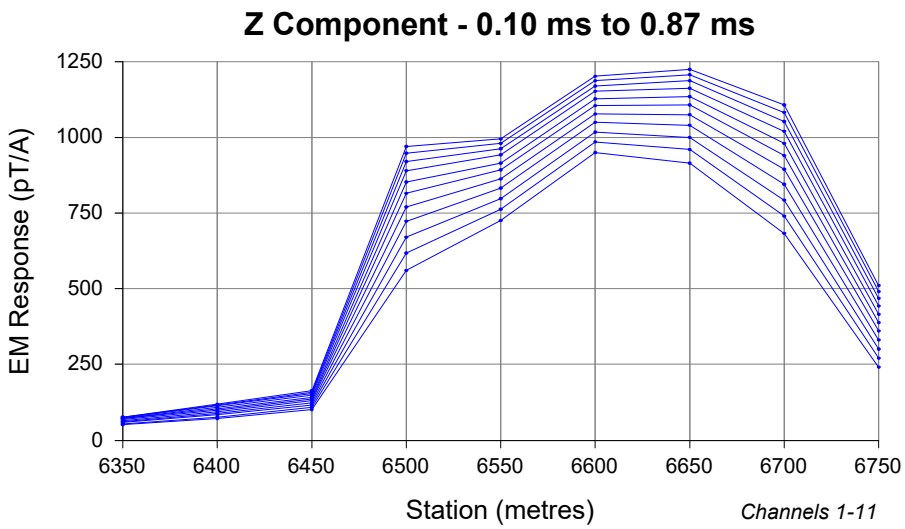








SURVEY PARAMETERS

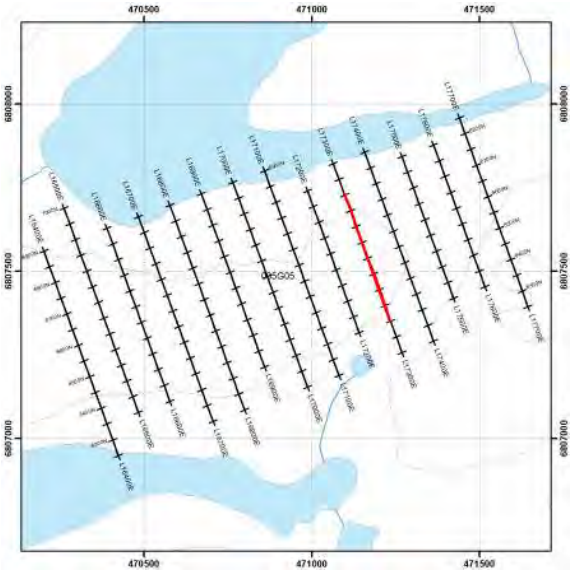
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250

Scale 1:4000

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Moving-Loop TEM Survey

Line 17300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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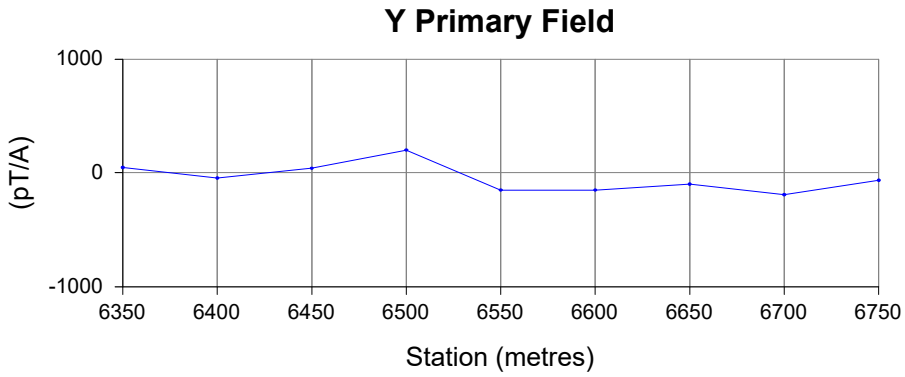
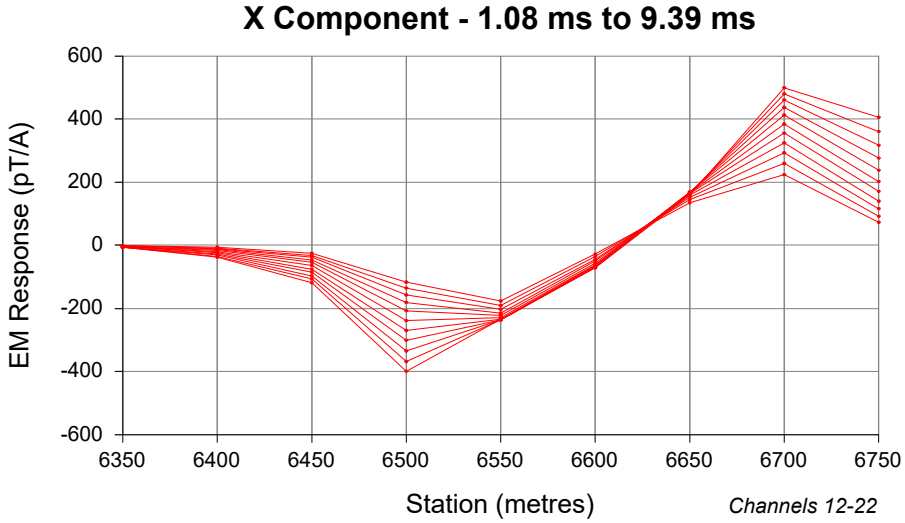
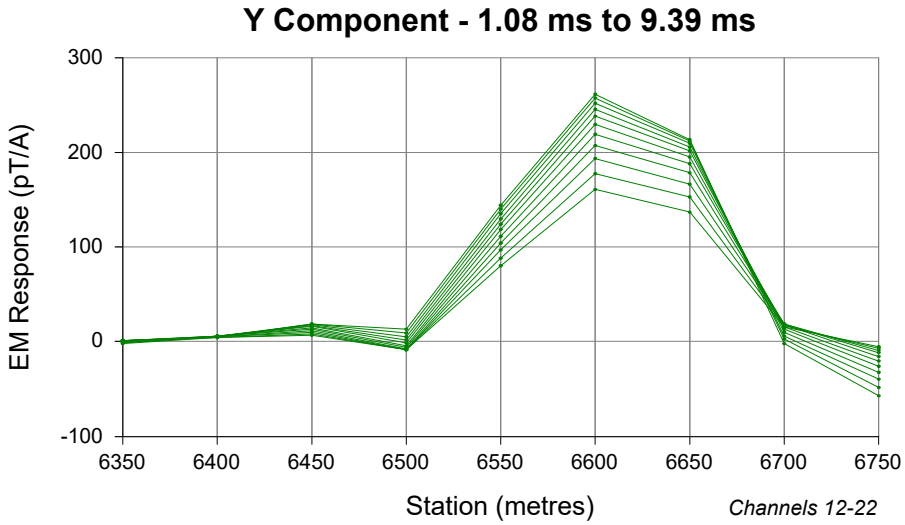
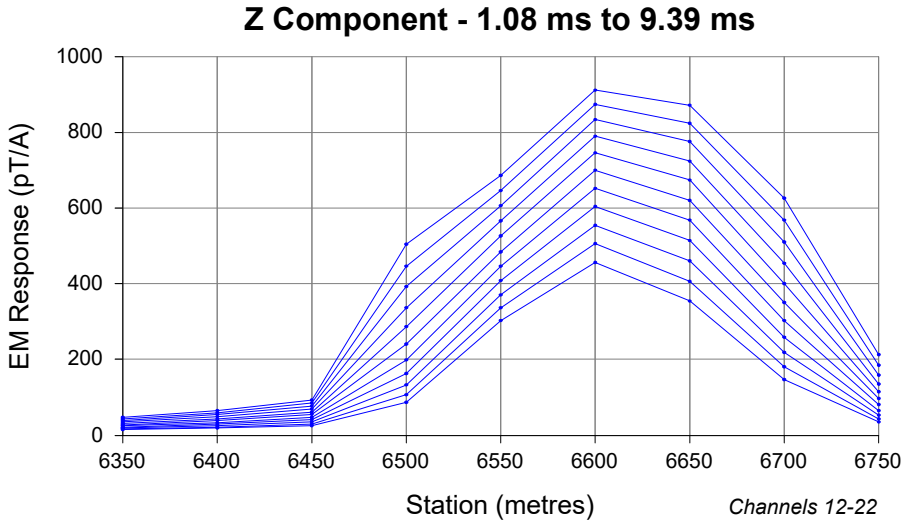








SURVEY PARAMETERS

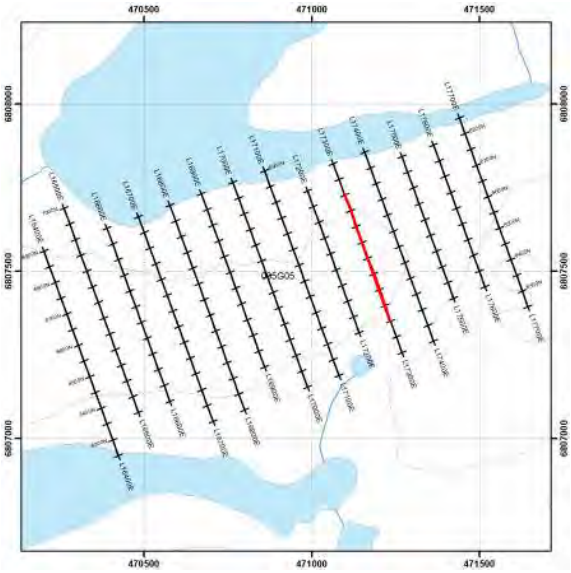
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Scale 1:4000

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Moving-Loop TEM Survey

Line 17300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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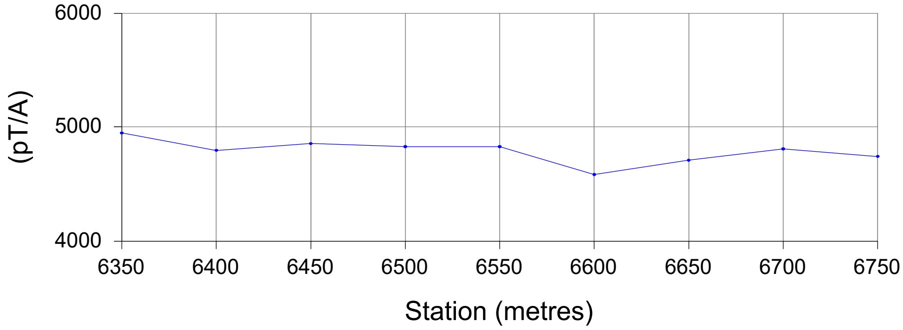
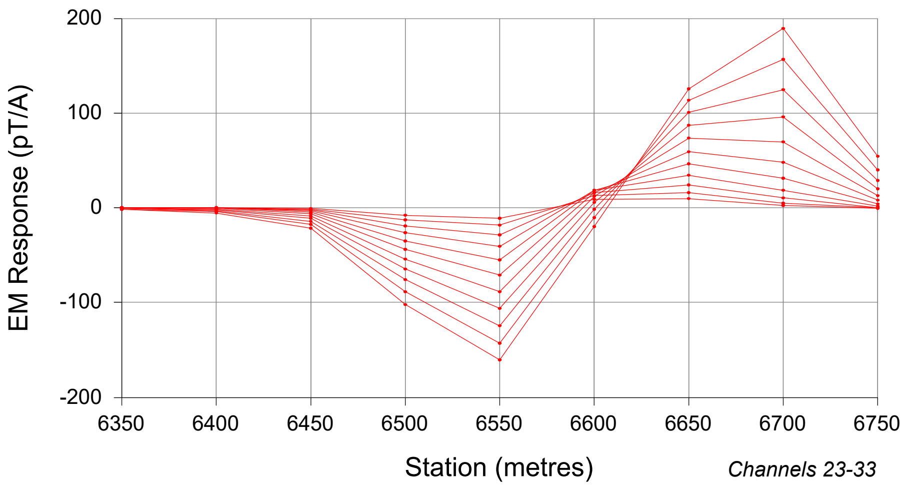
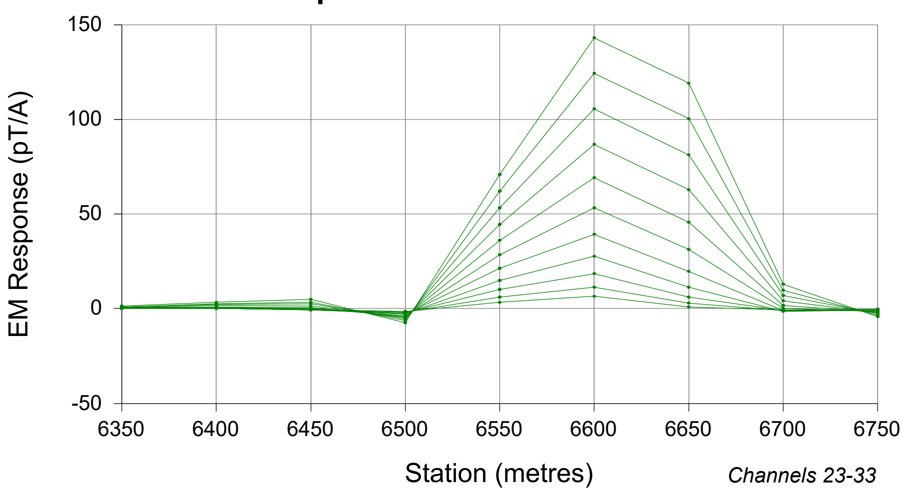
Z Primary Field



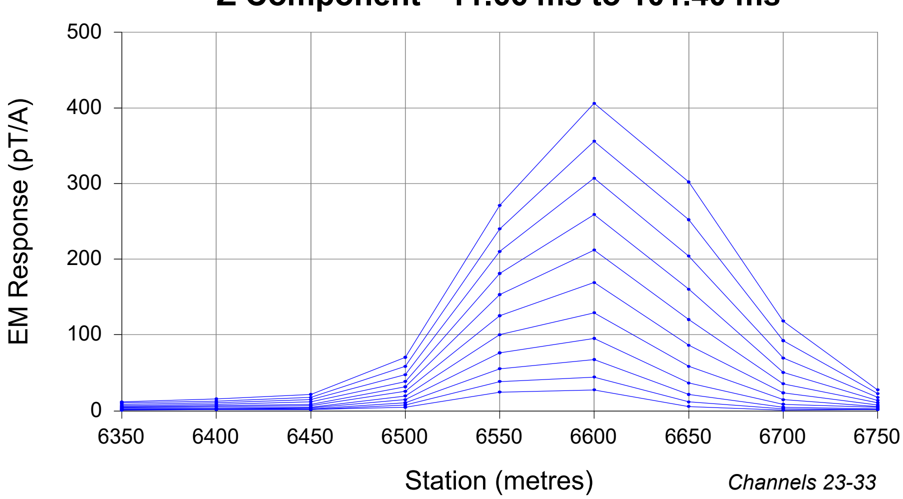
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

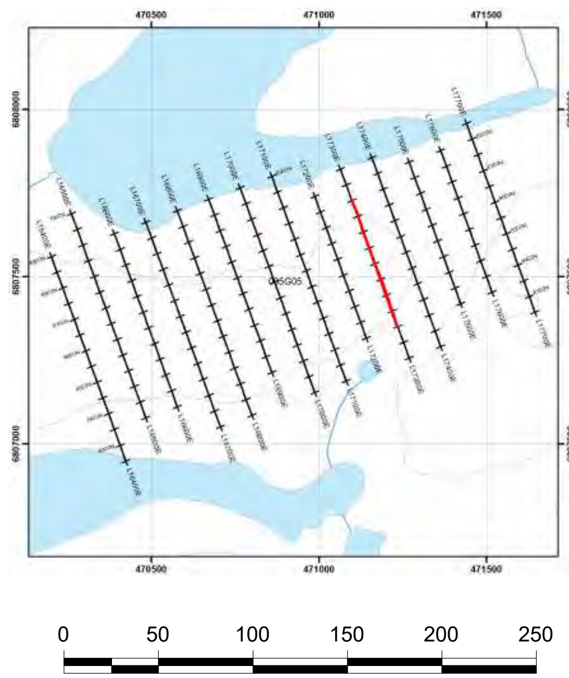
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

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Line 17300E

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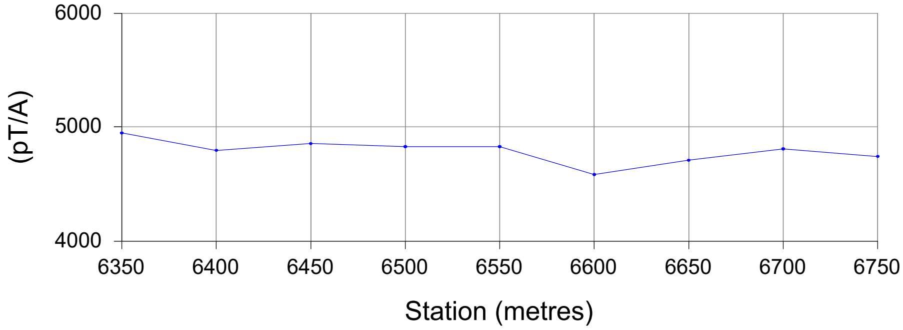
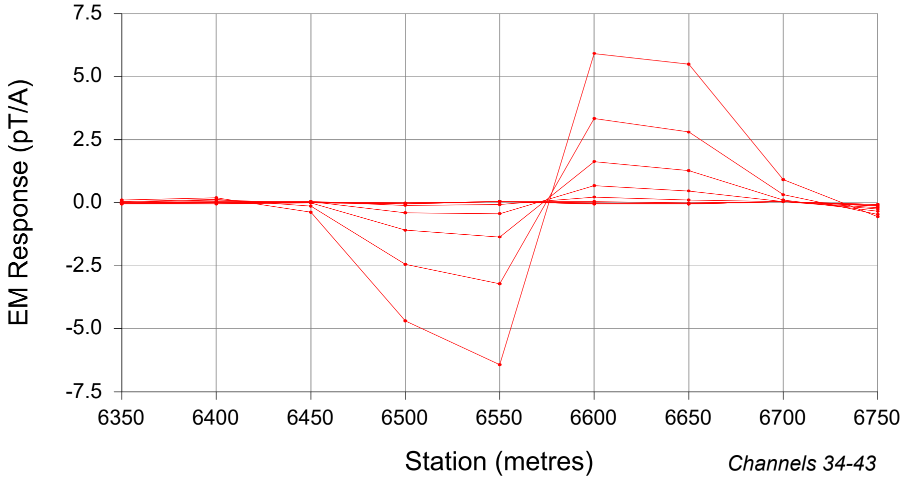
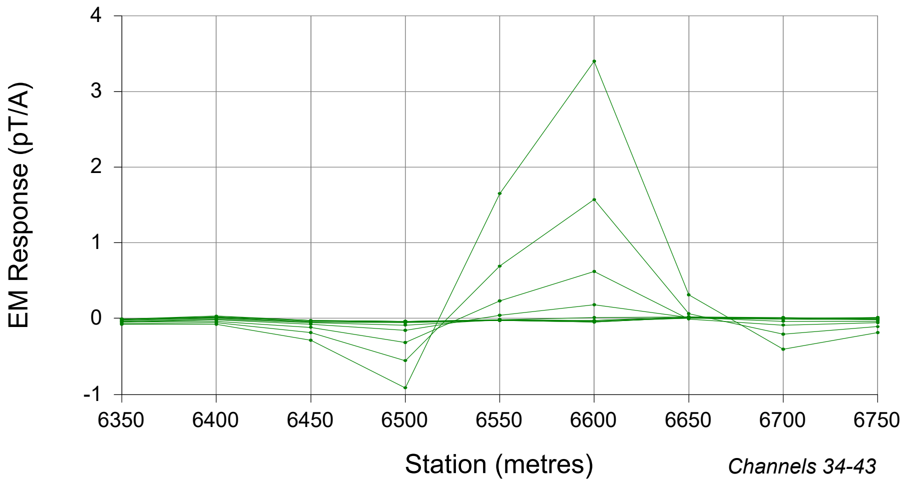
Z Primary Field



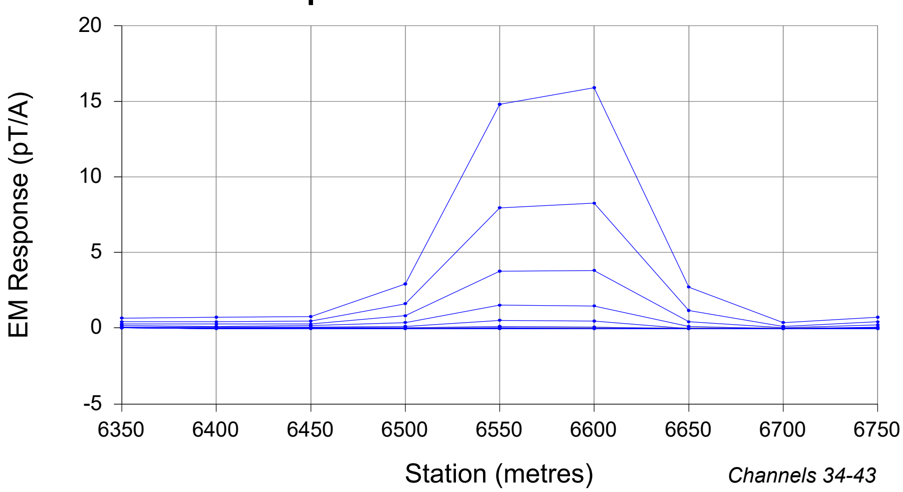
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

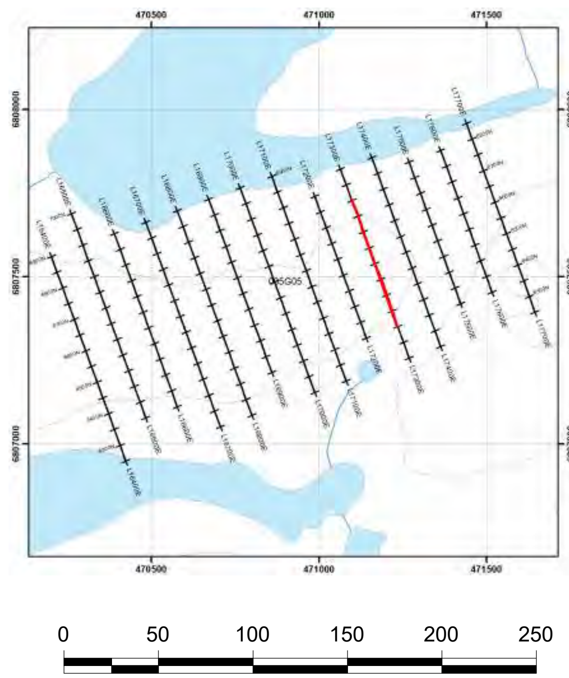
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:4000

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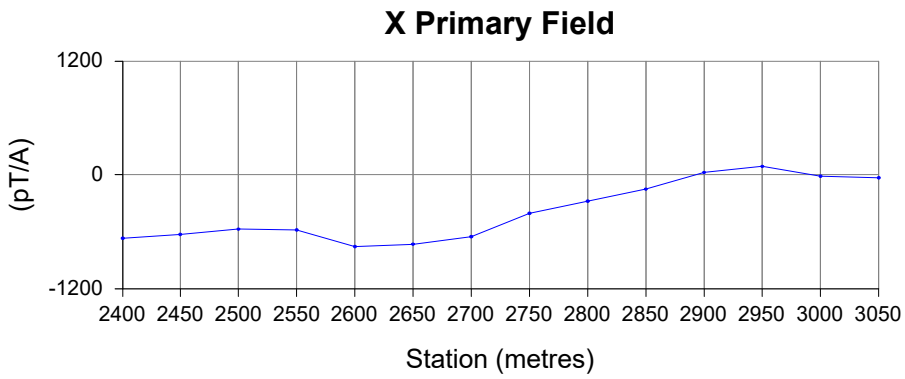
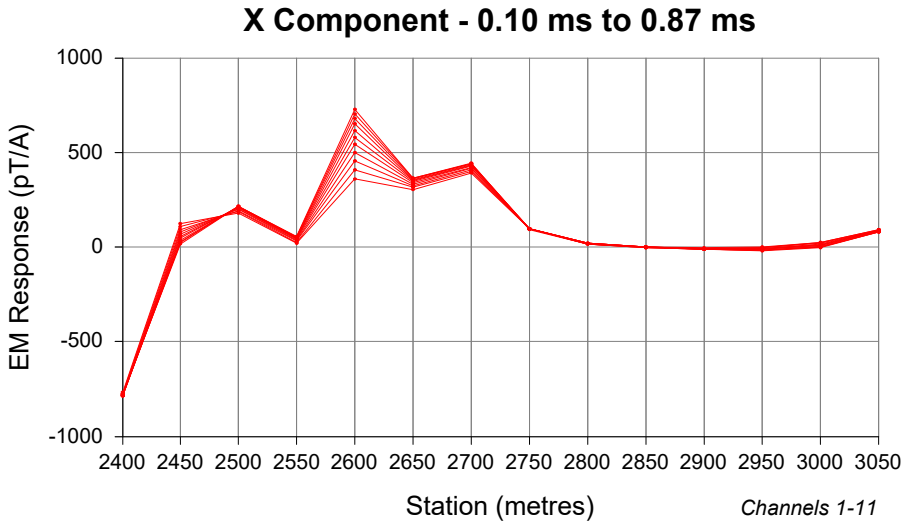
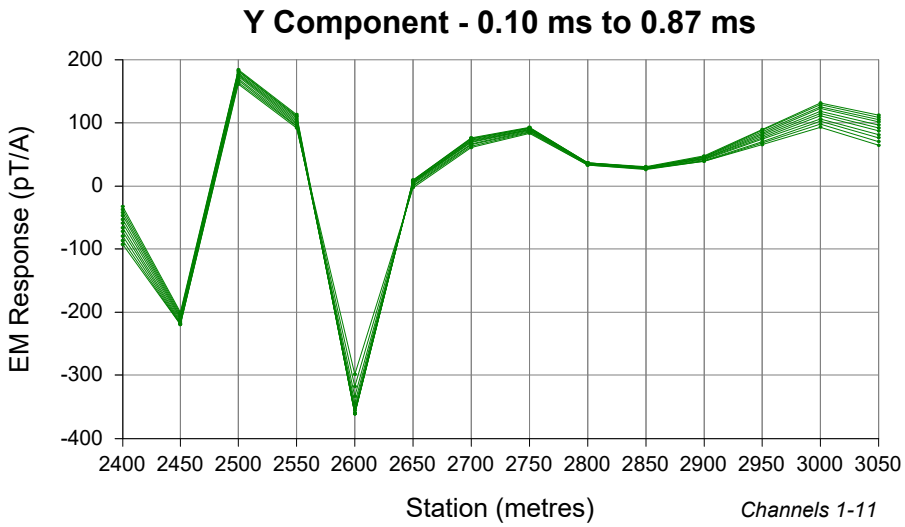
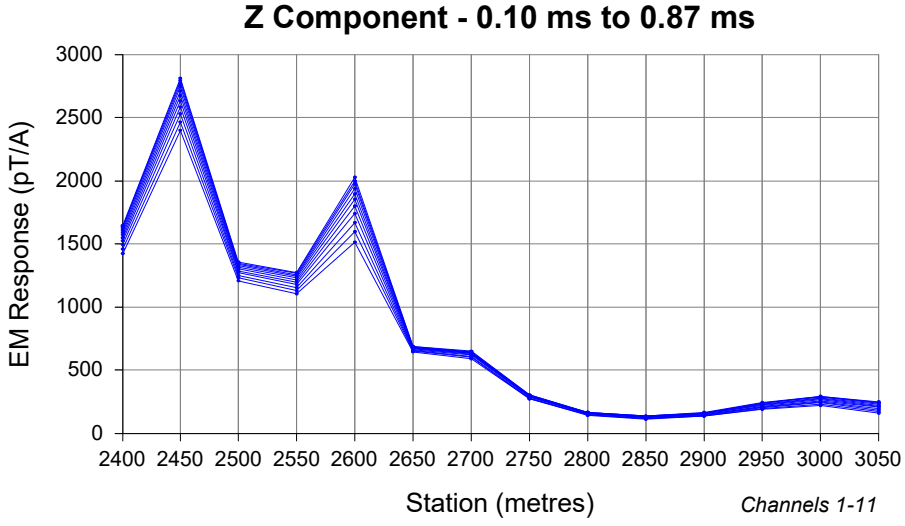
APPENDIX E – FRONTIER WEST CENTER MLTEM PROFILE PLOTS









SURVEY PARAMETERS

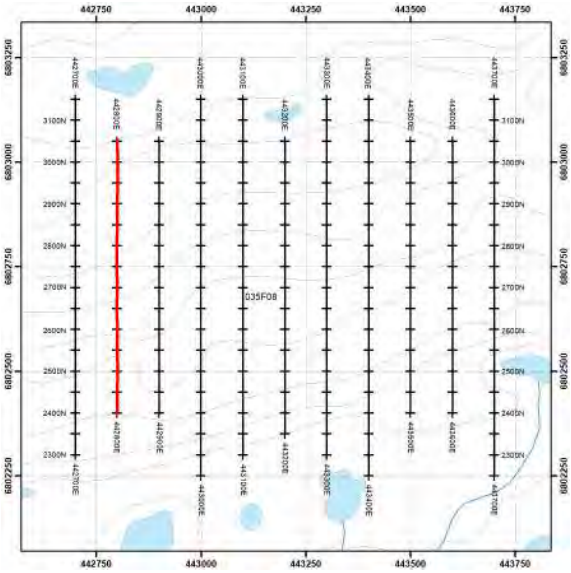
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

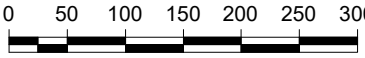
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 442800E

Surveyed By: Joseph Cook
Survey Date: July 2021

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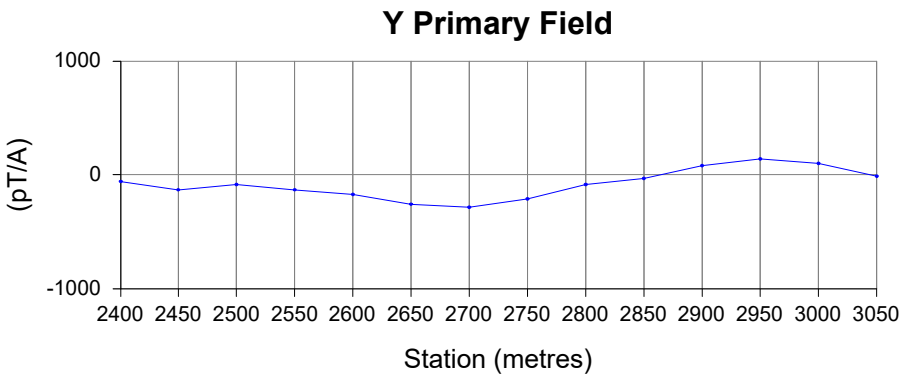

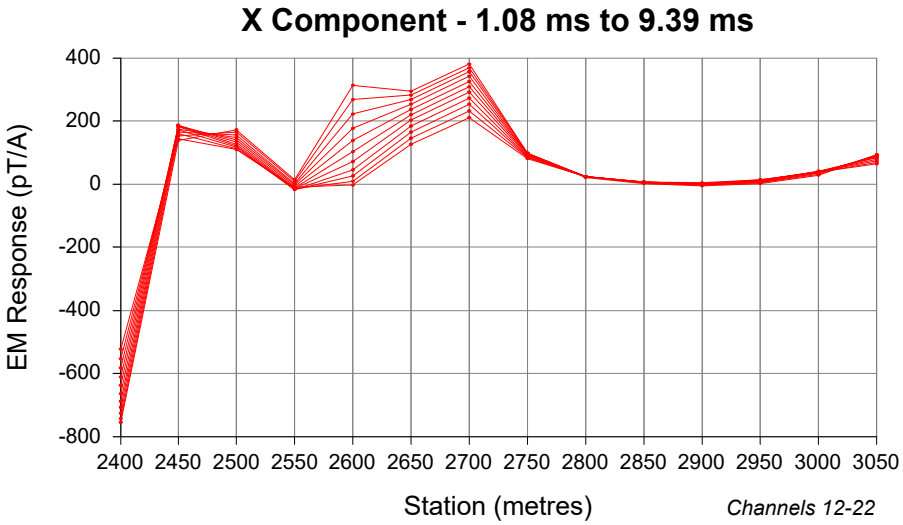

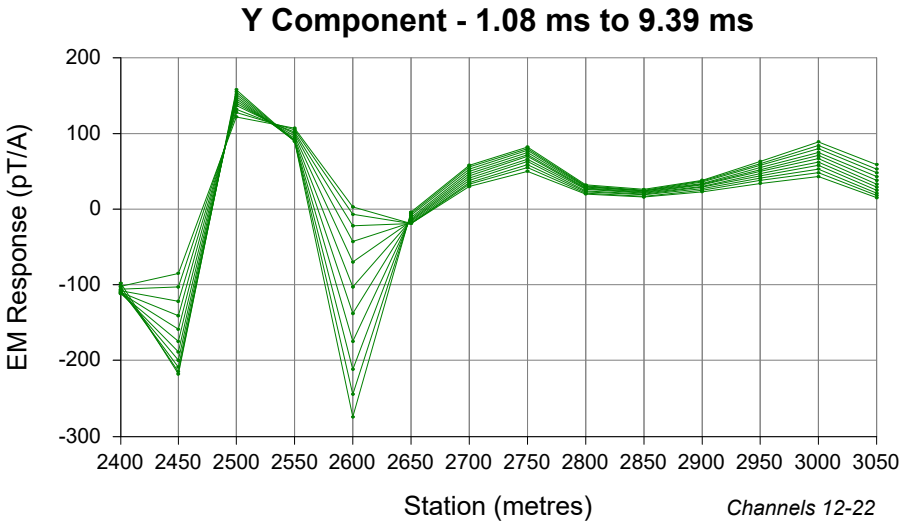

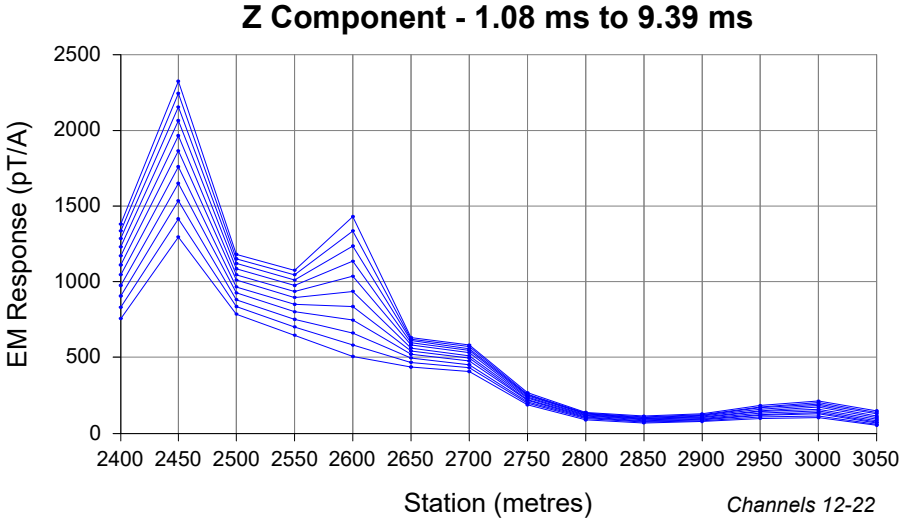

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
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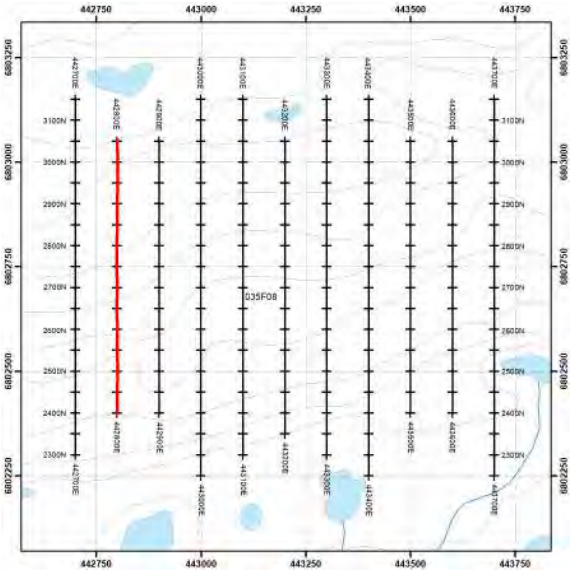
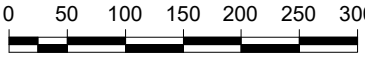
Turn Off	: 0.500 ms





Scale 1:6500

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Moving-Loop TEM Survey

Line 442800E

Surveyed By: Joseph Cook
Survey Date: July 2021

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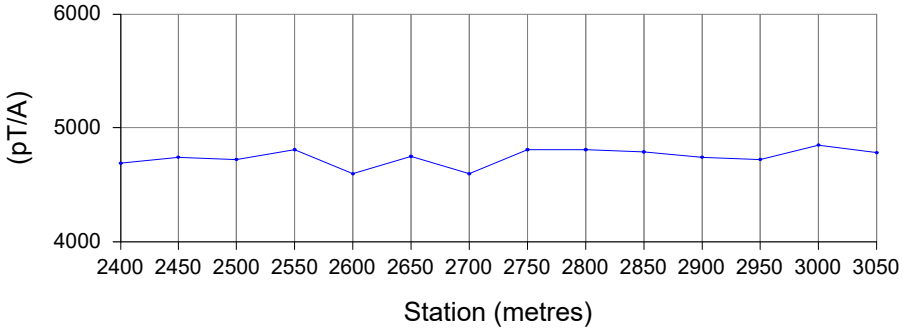
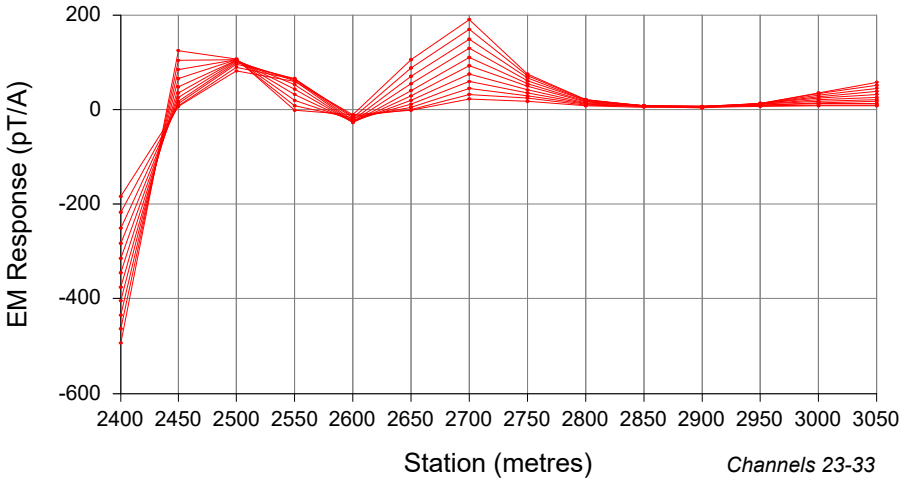
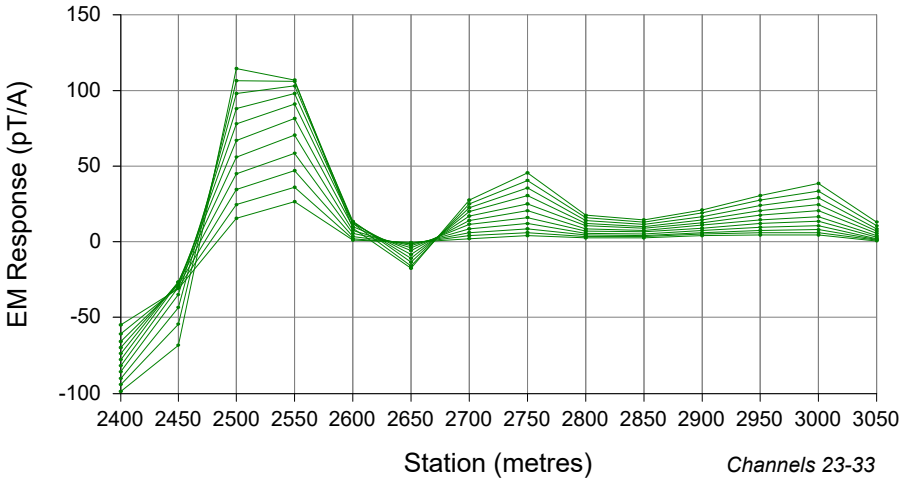
Z Primary Field



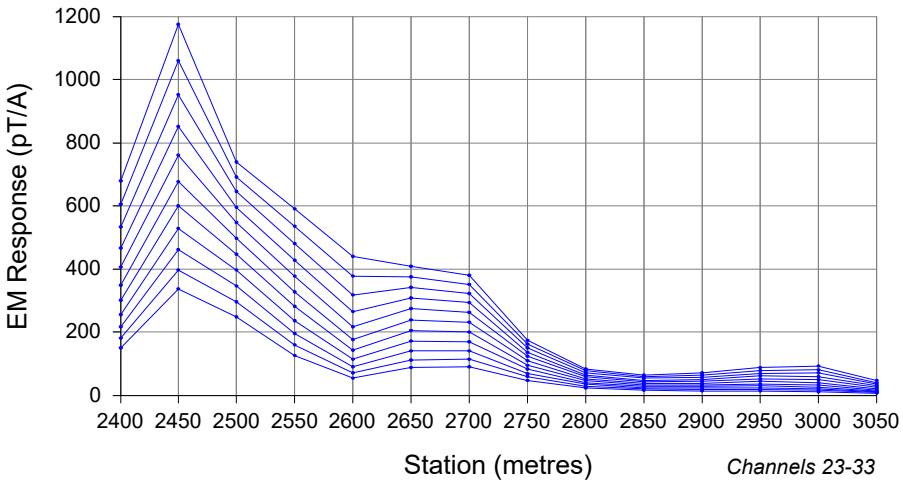
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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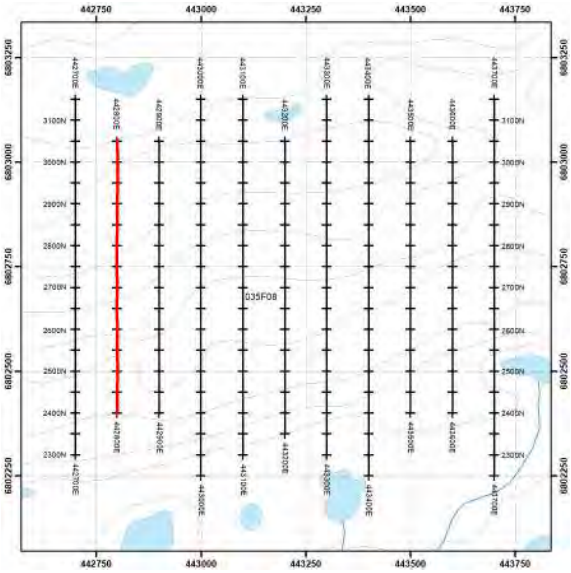

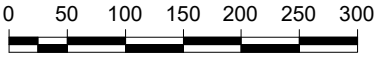

Scale 1:6500

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Line 442800E

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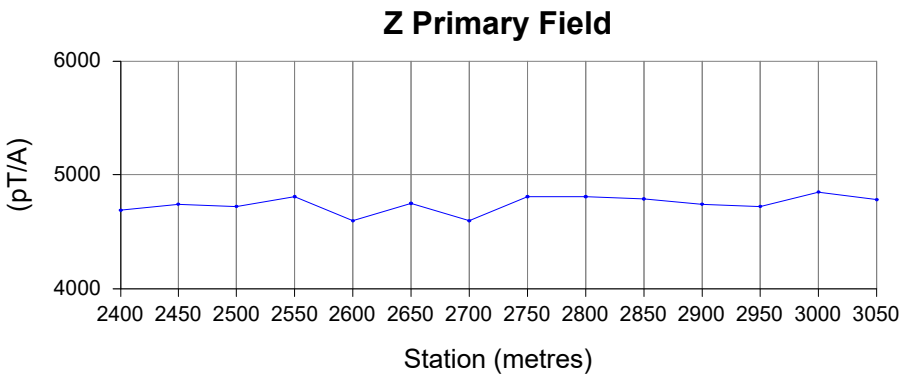
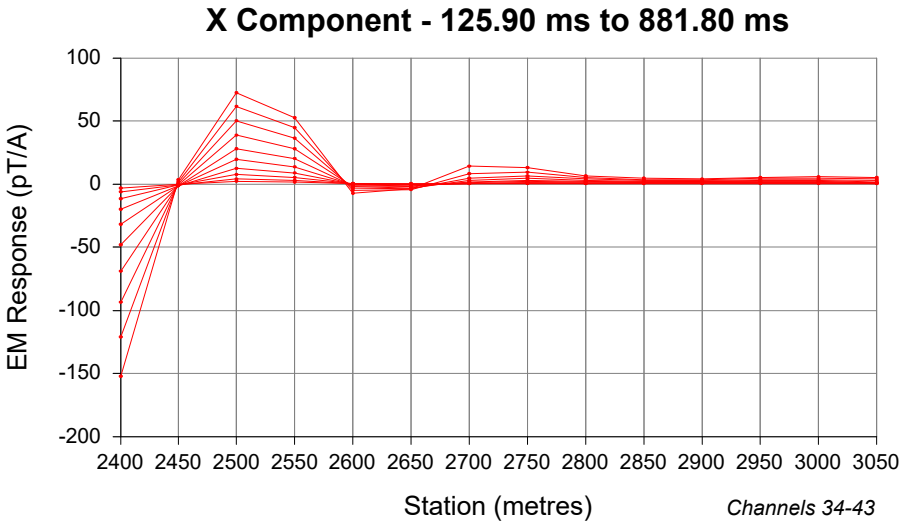
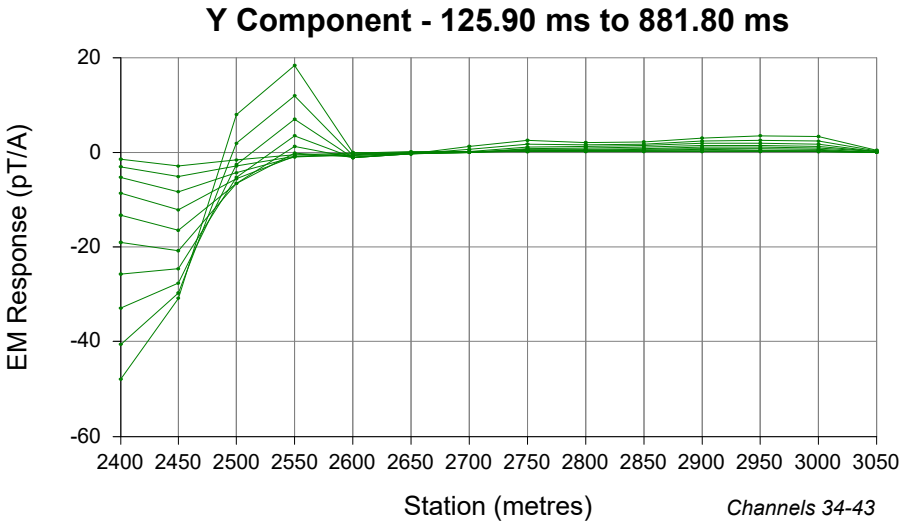
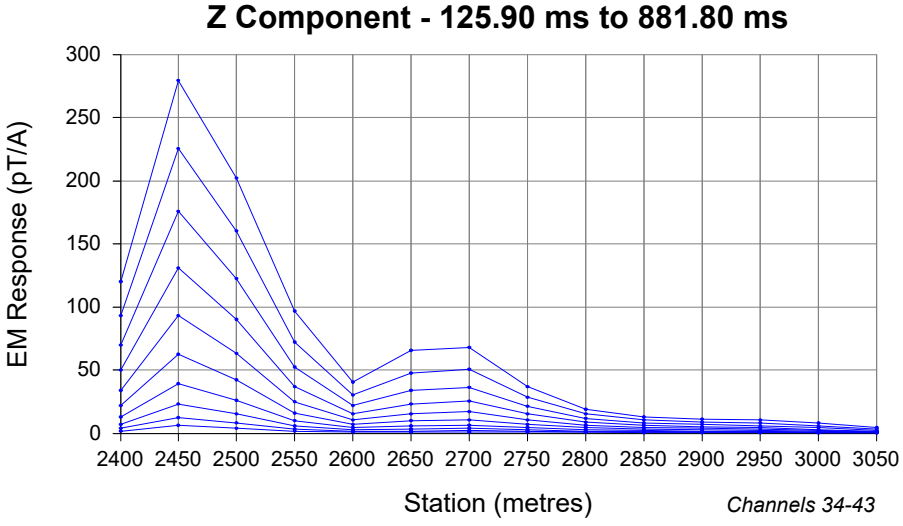








SURVEY PARAMETERS

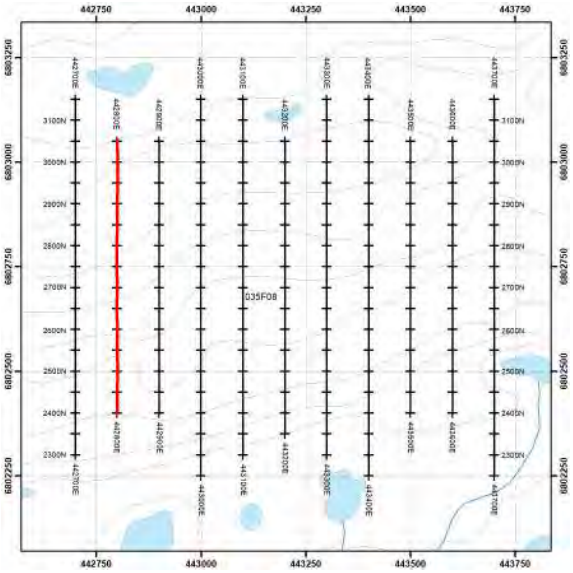
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

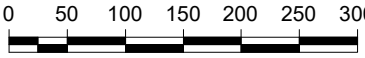
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 442800E

Surveyed By: Joseph Cook
Survey Date: July 2021

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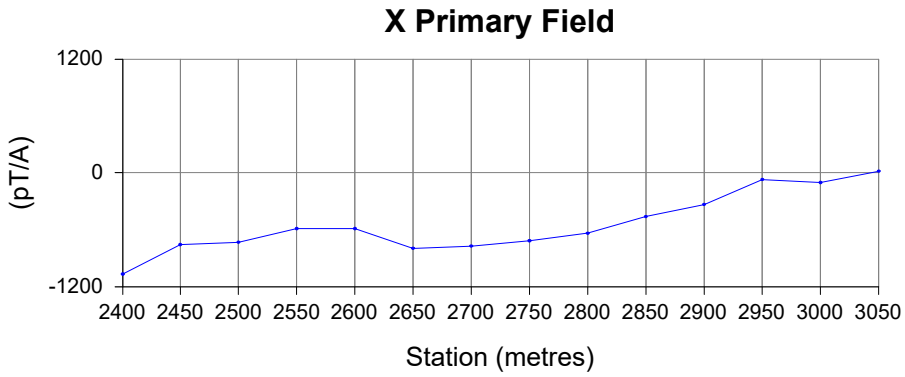
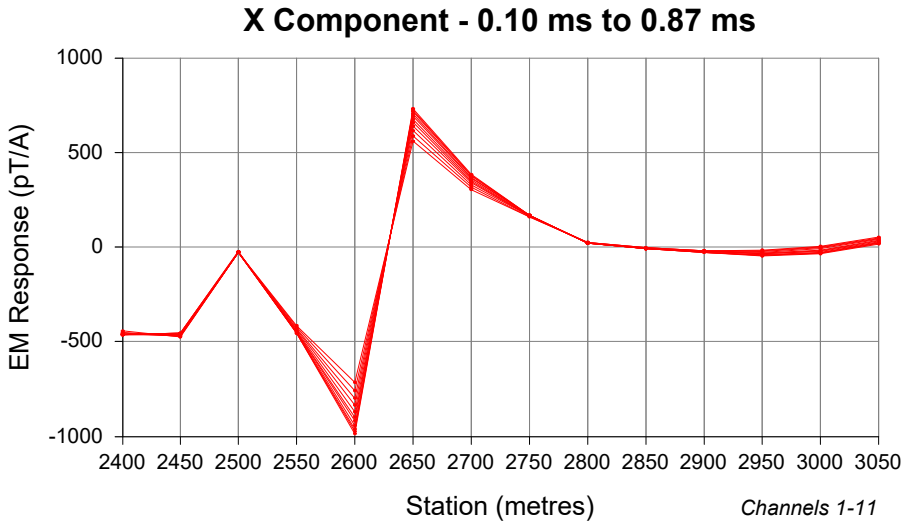
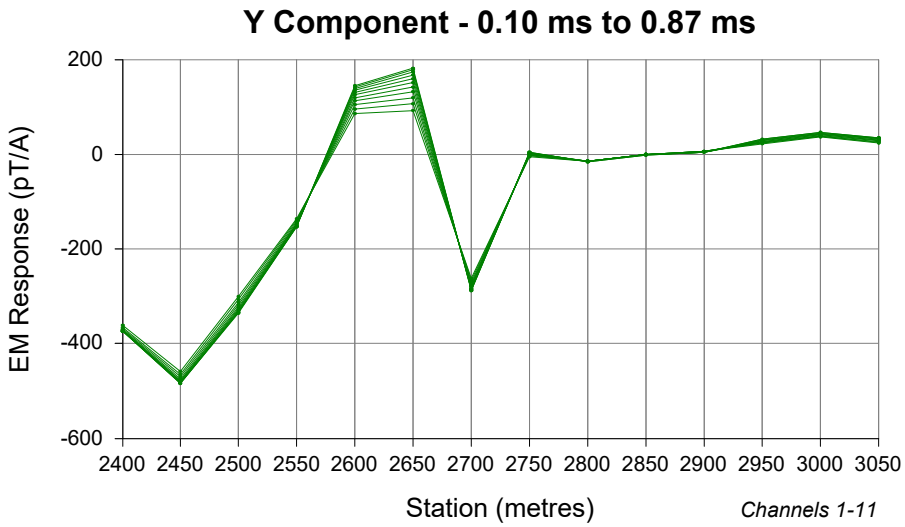
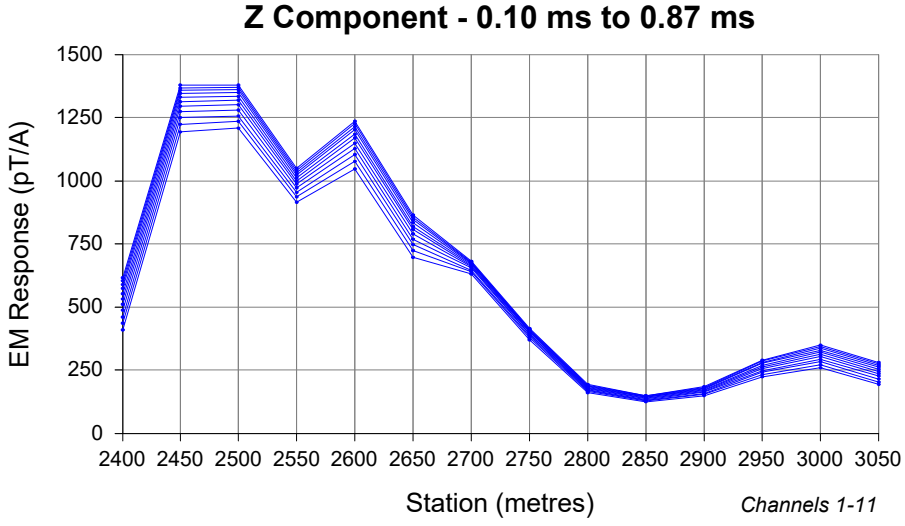








SURVEY PARAMETERS

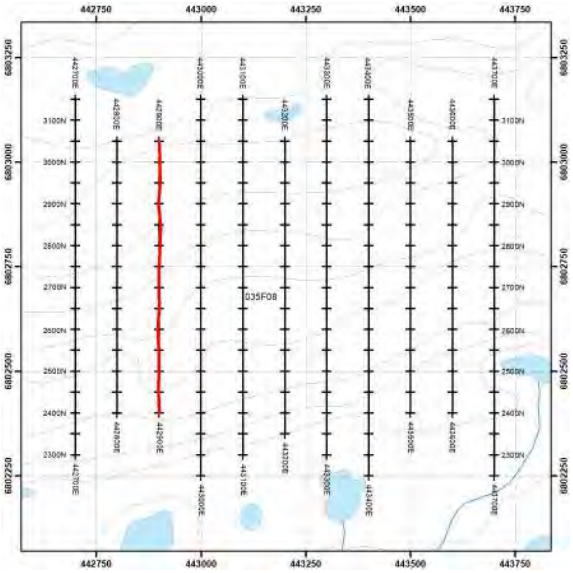
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 442900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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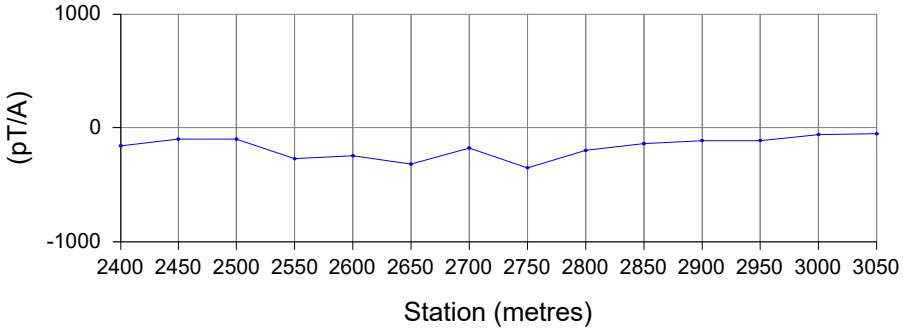
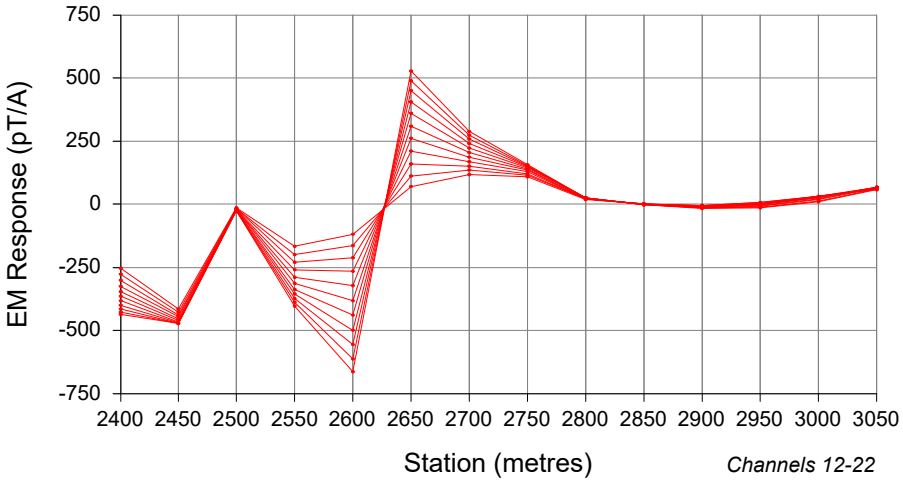
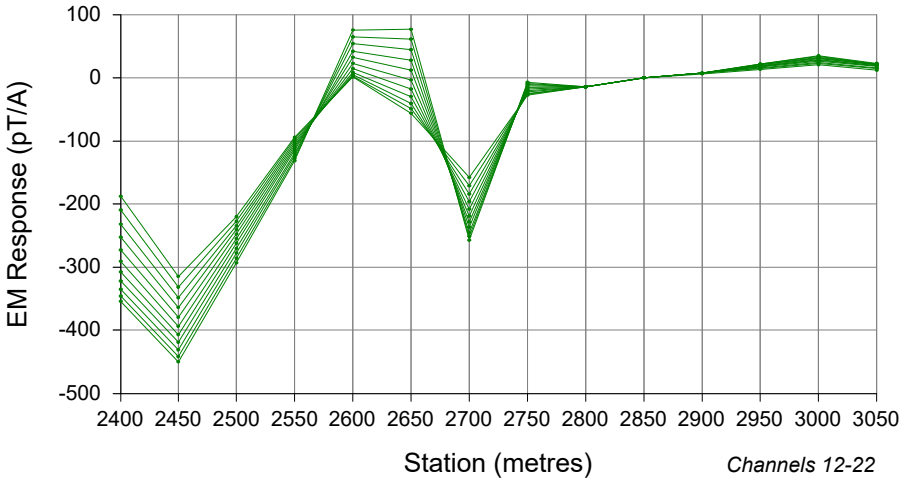
Y Primary Field



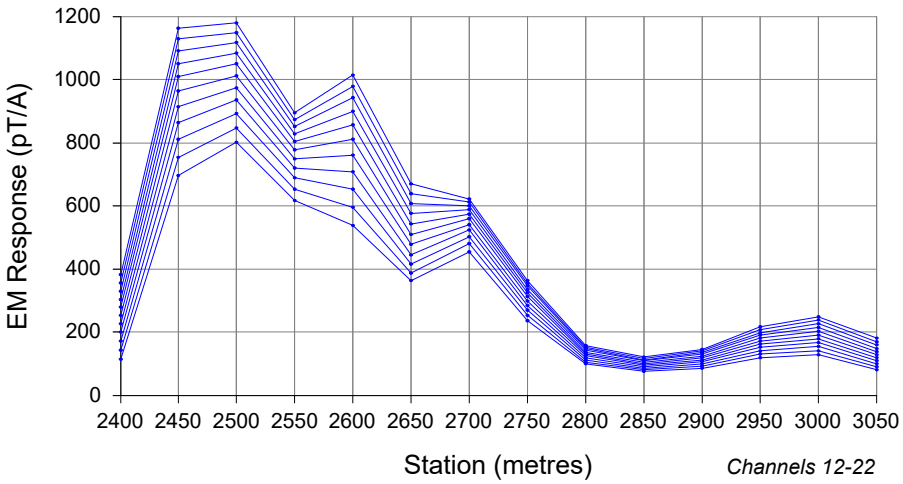
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

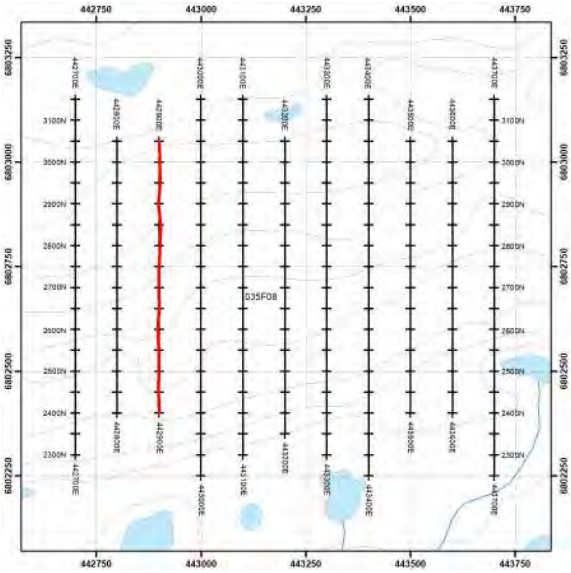
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Scale 1:6500

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Moving-Loop TEM Survey

Line 442900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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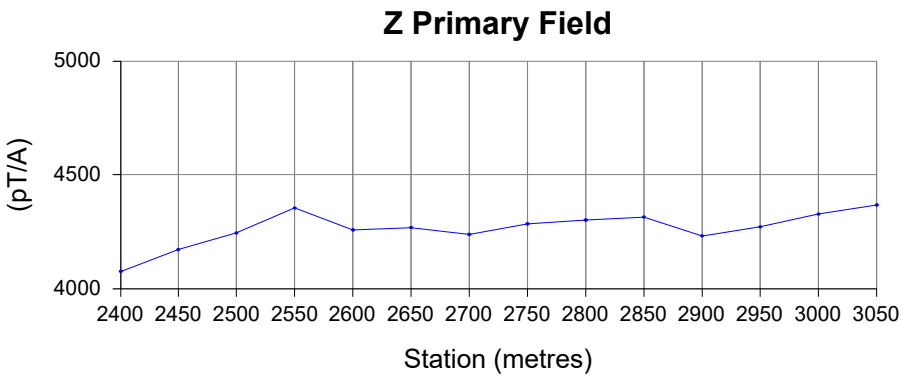

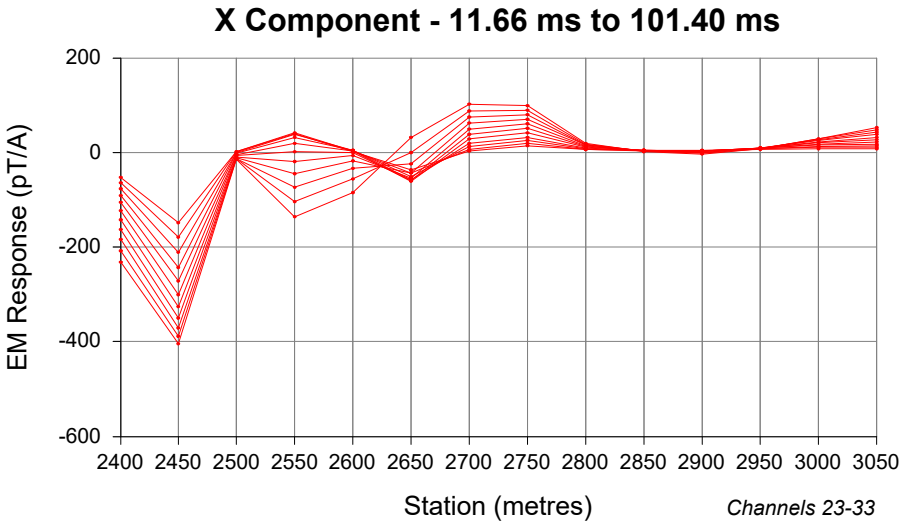

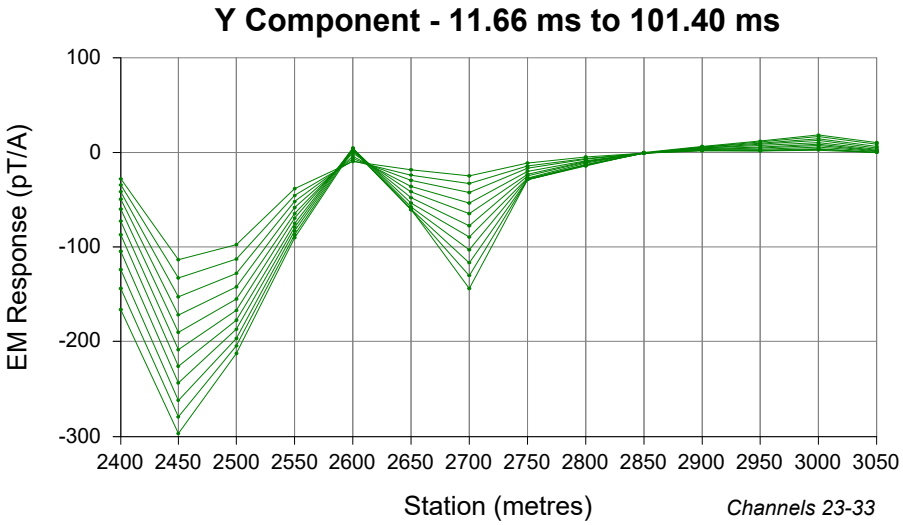

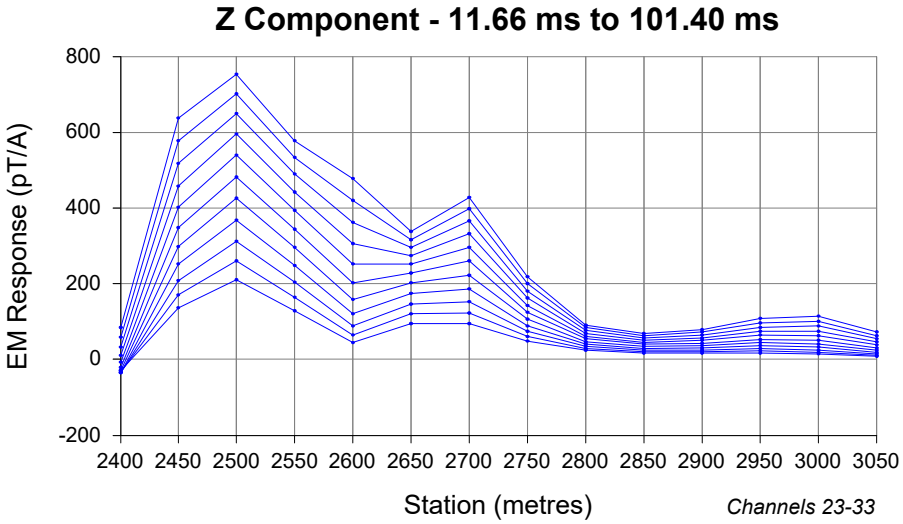

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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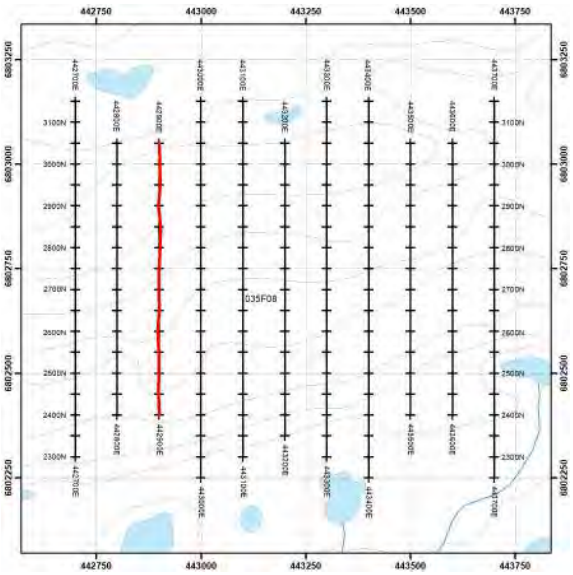

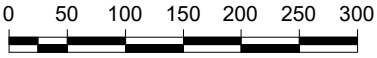

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Line 442900E

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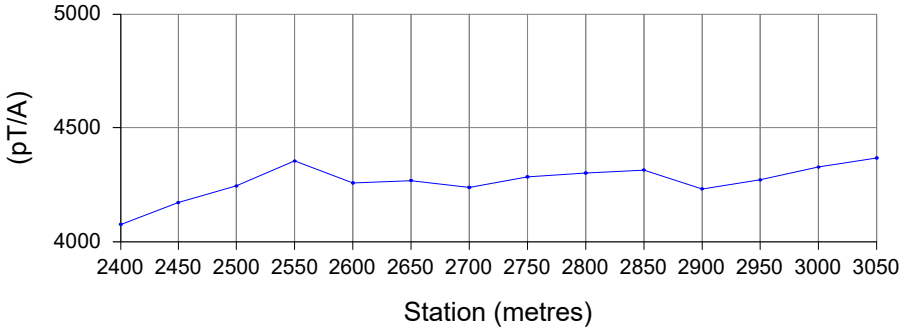
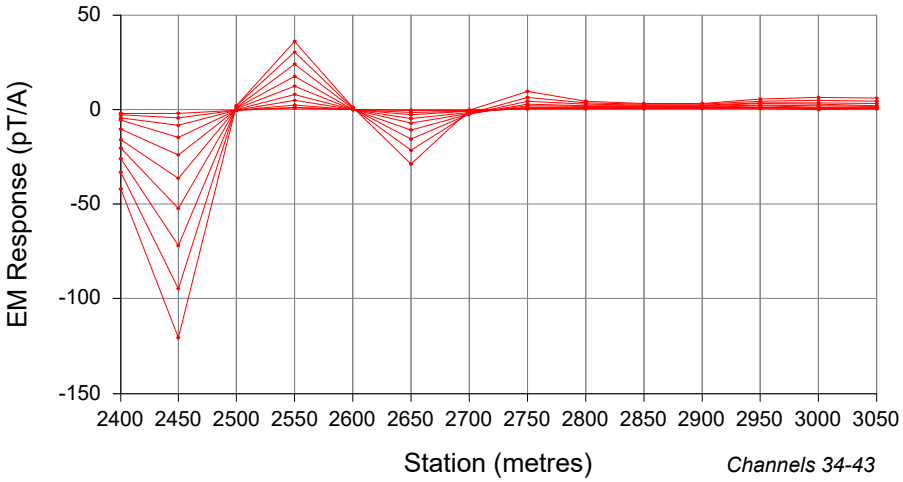
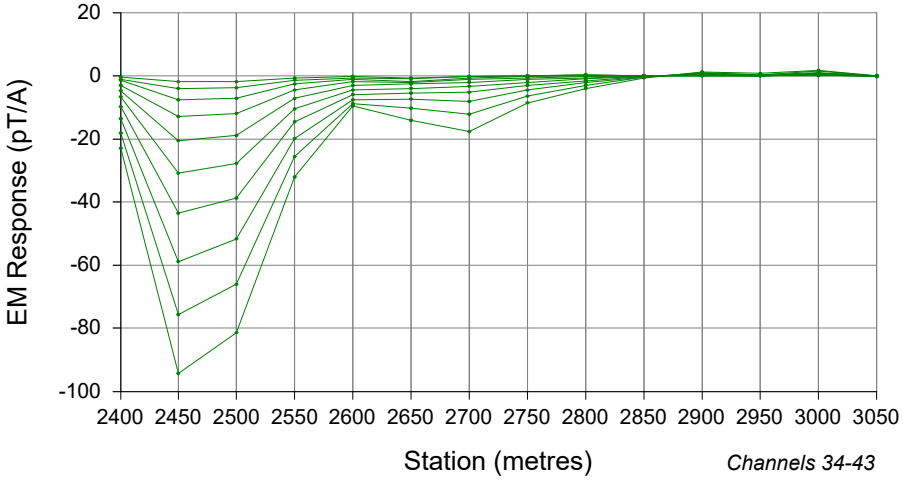
Z Primary Field



X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



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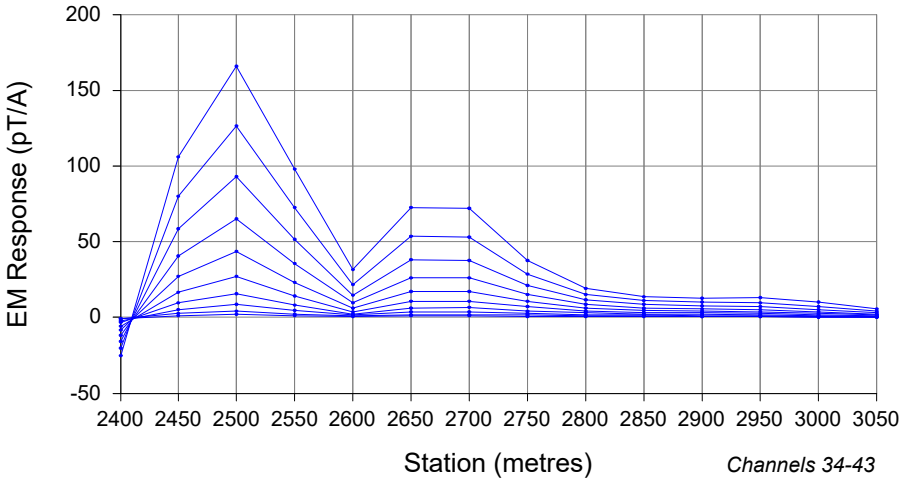

SURVEY PARAMETERS

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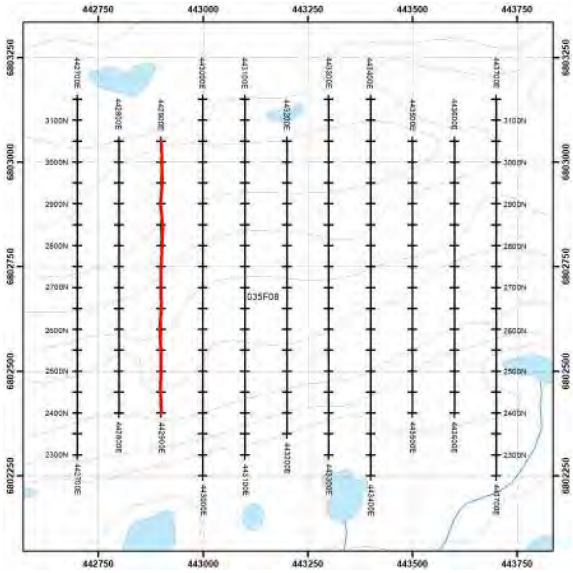
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 442900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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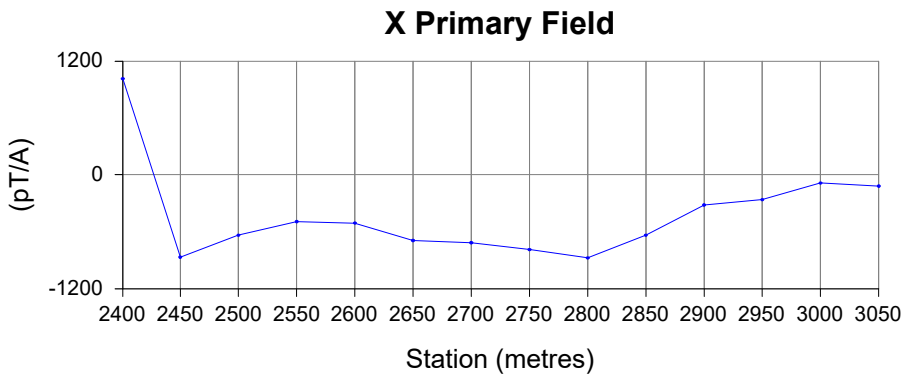
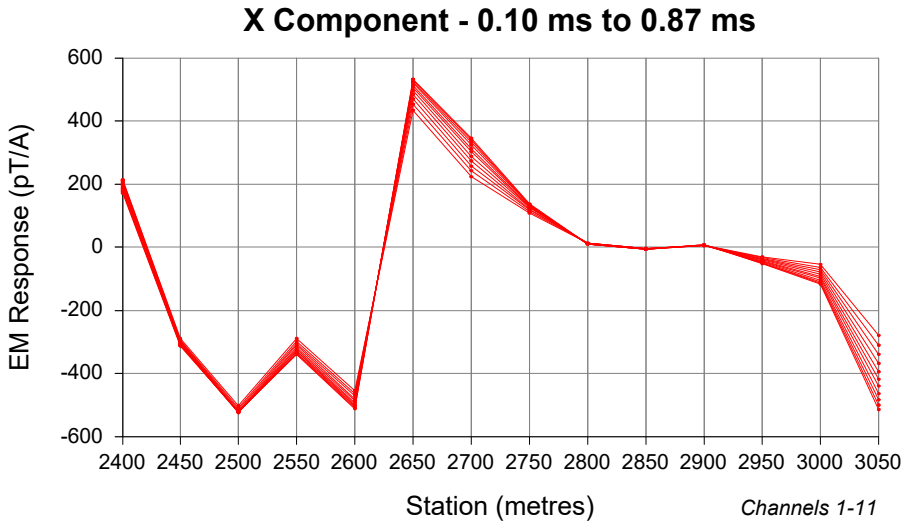
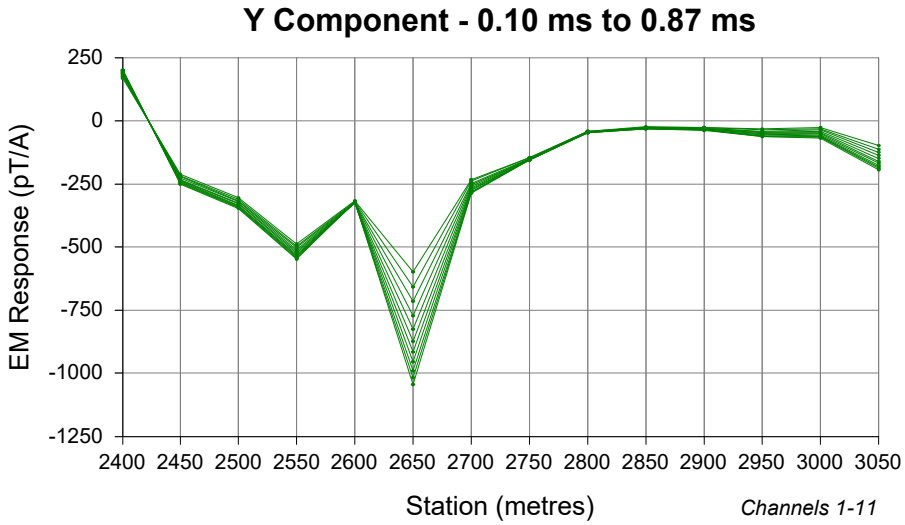
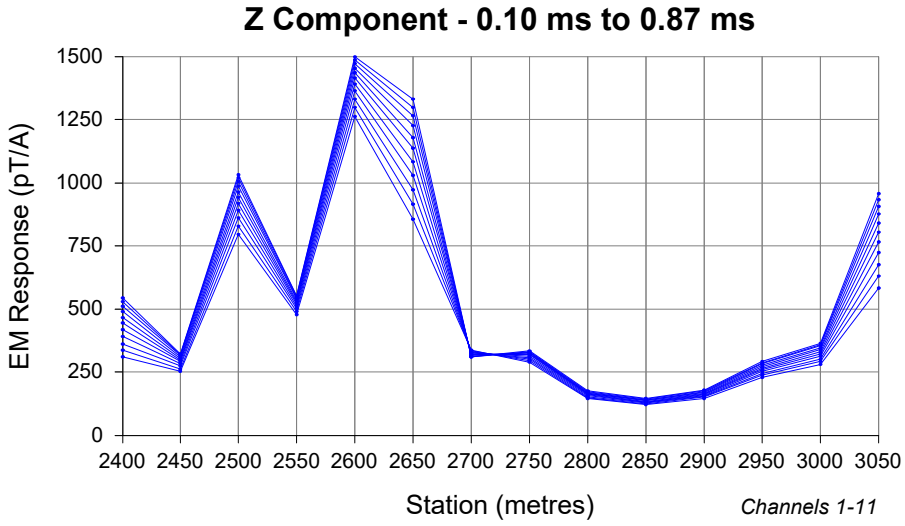








SURVEY PARAMETERS

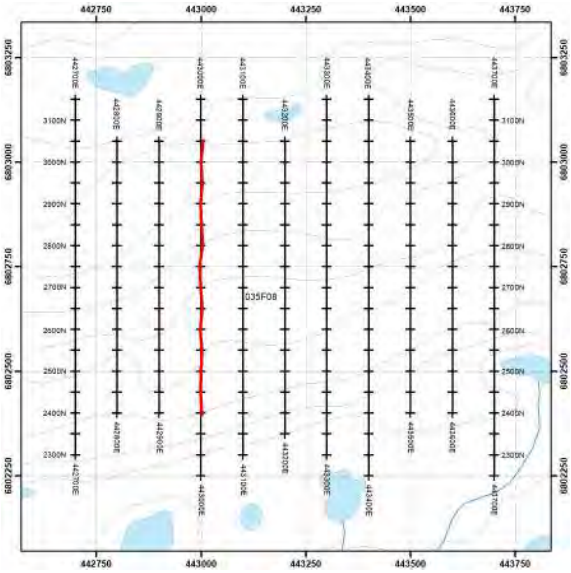
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443000E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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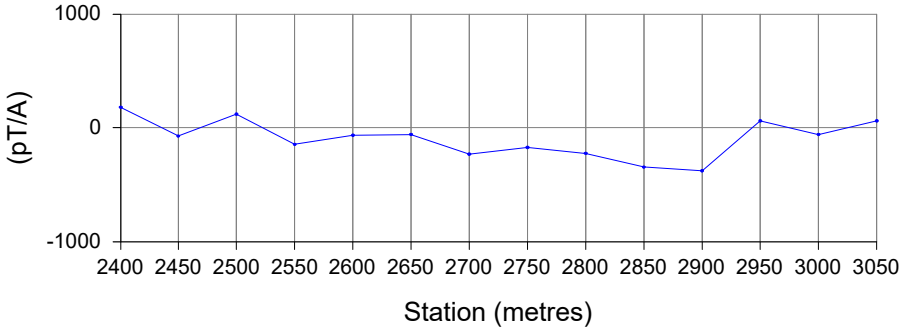
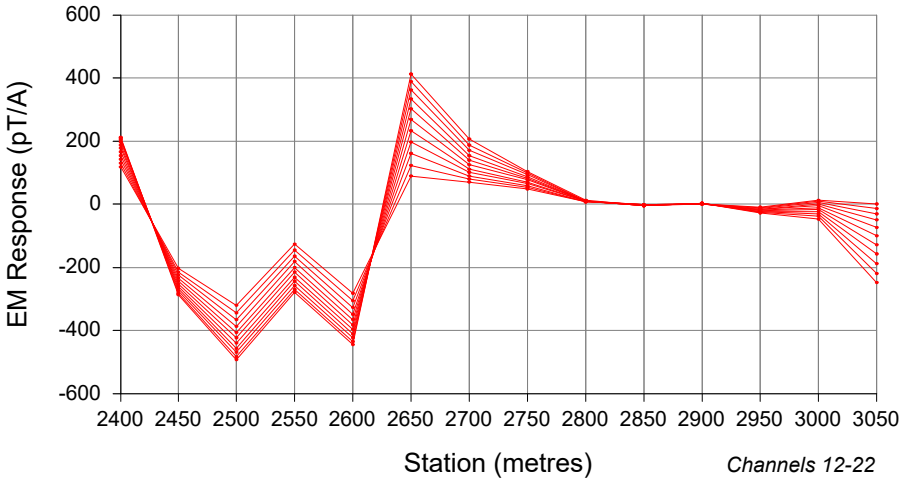
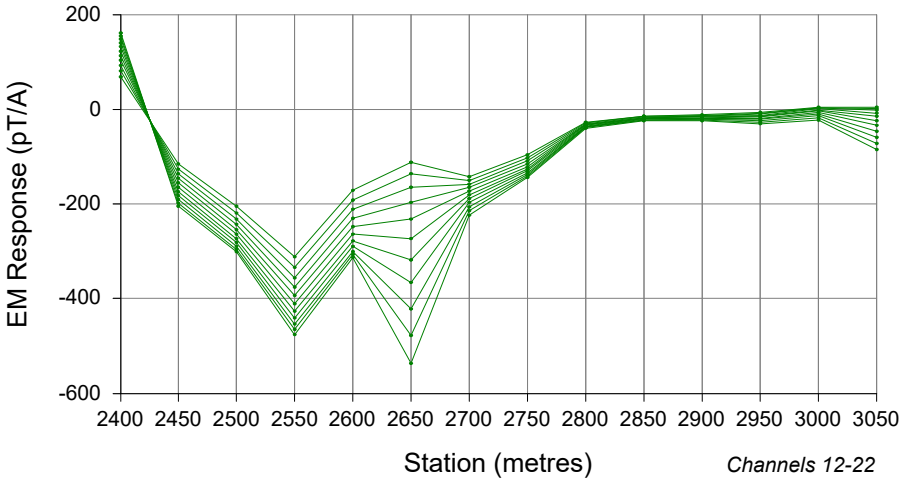
Y Primary Field



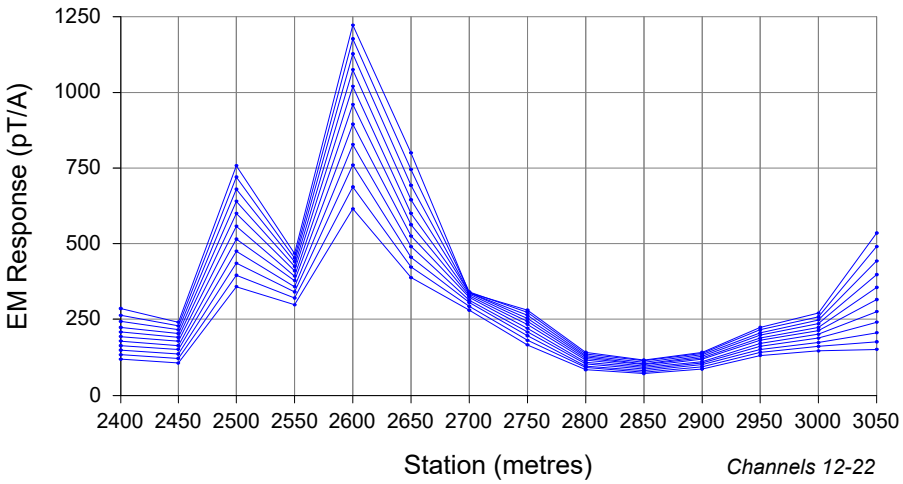
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

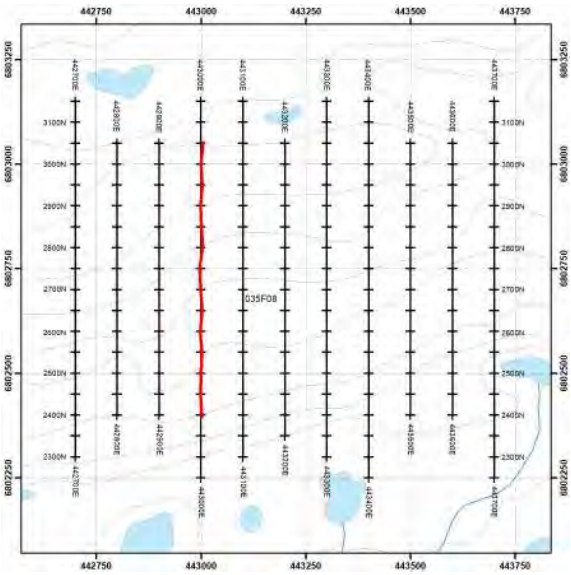
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443000E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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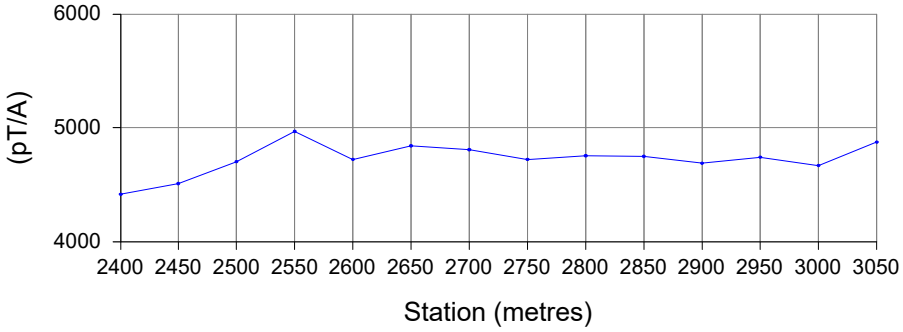
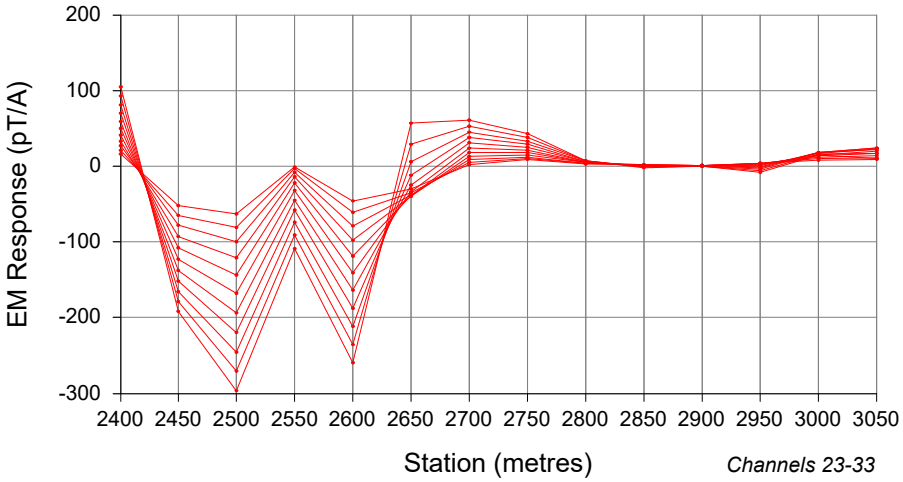
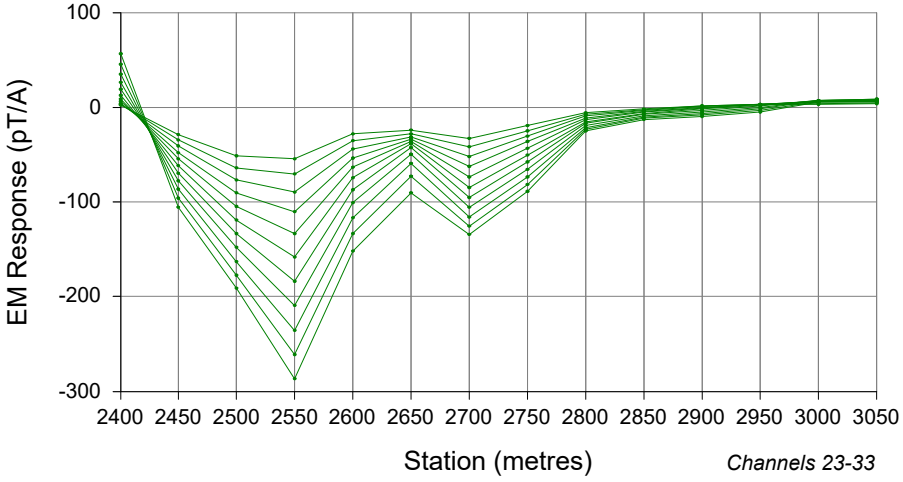
Z Primary Field



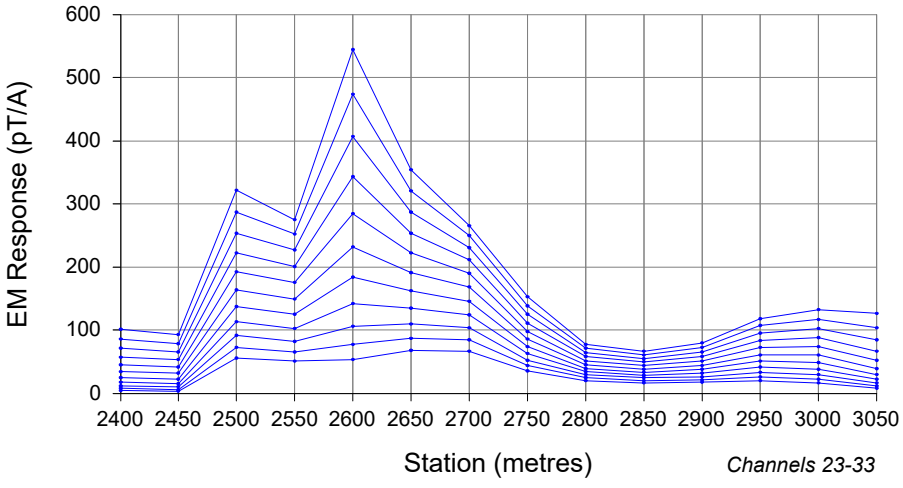
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

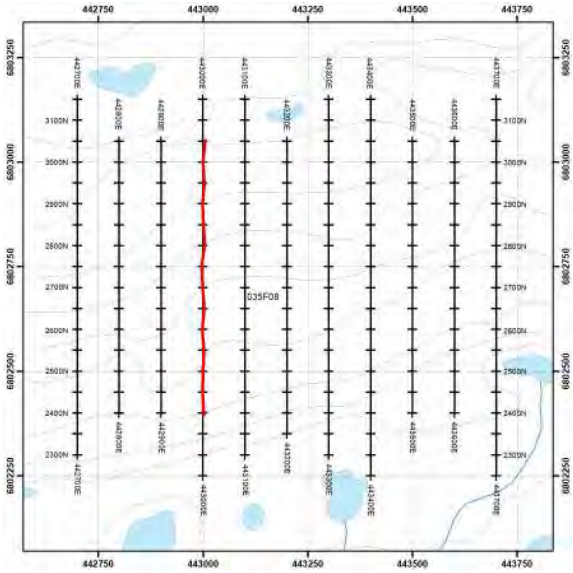
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

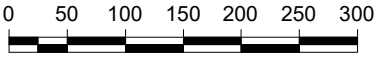
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443000E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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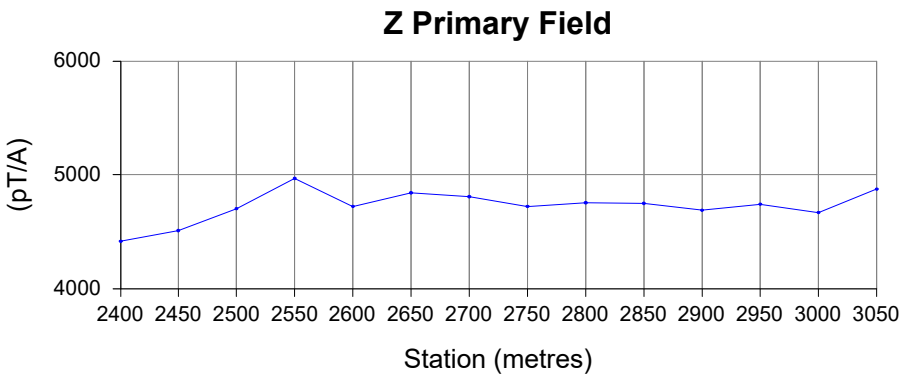
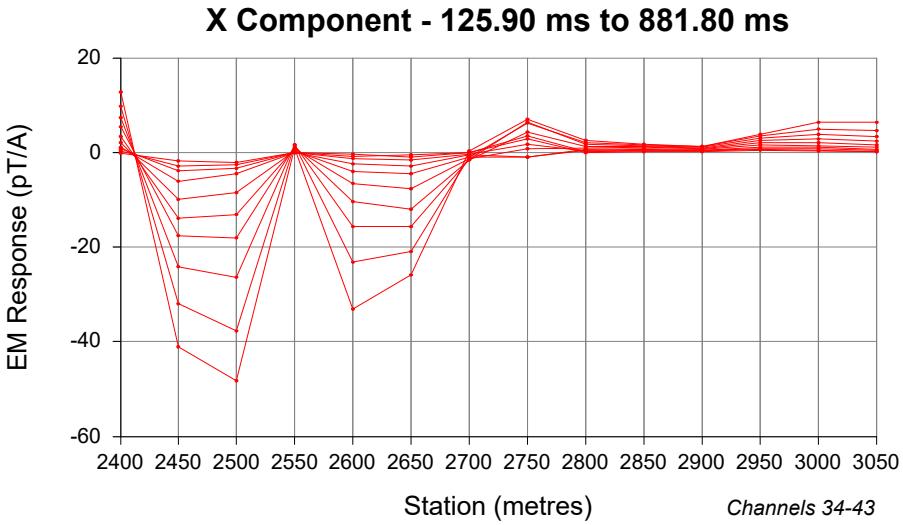
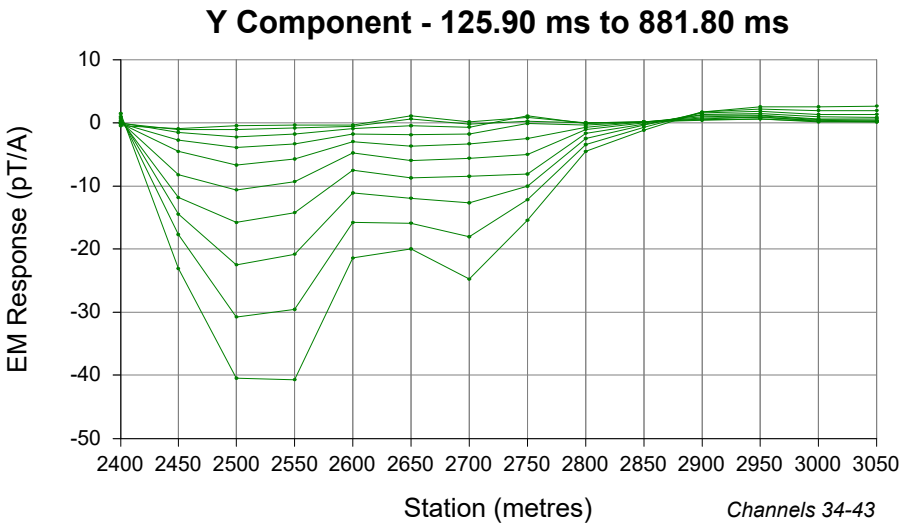
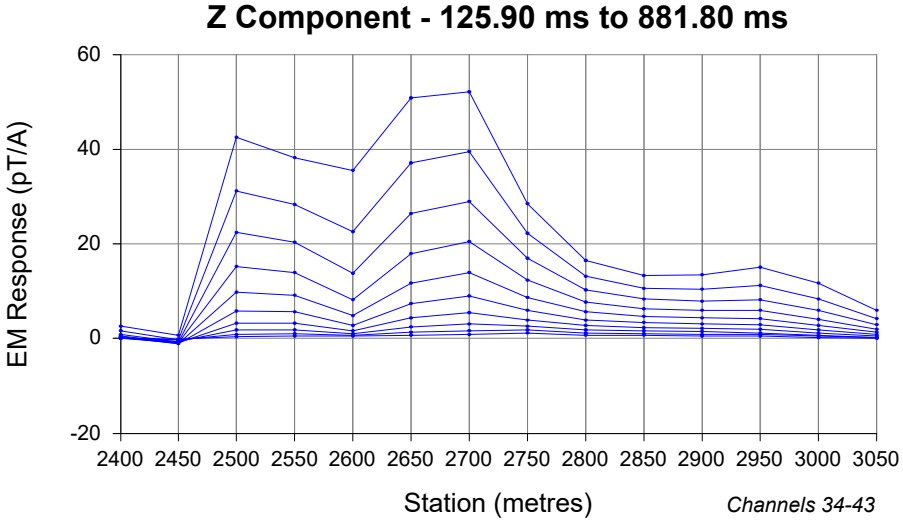








SURVEY PARAMETERS

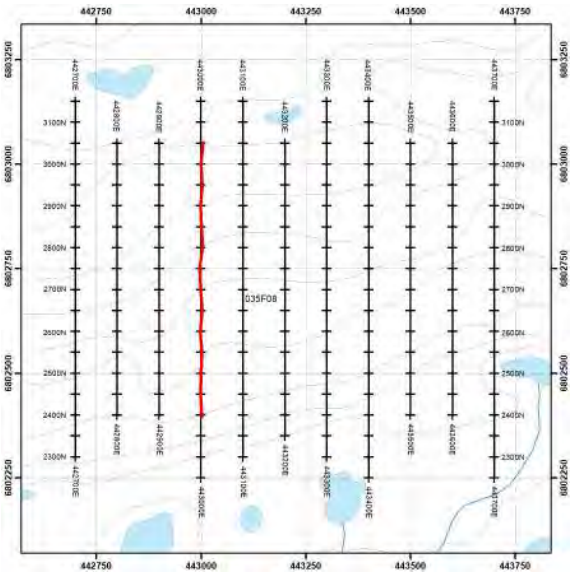
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

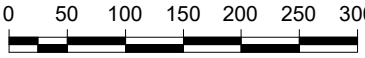
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6500

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443000E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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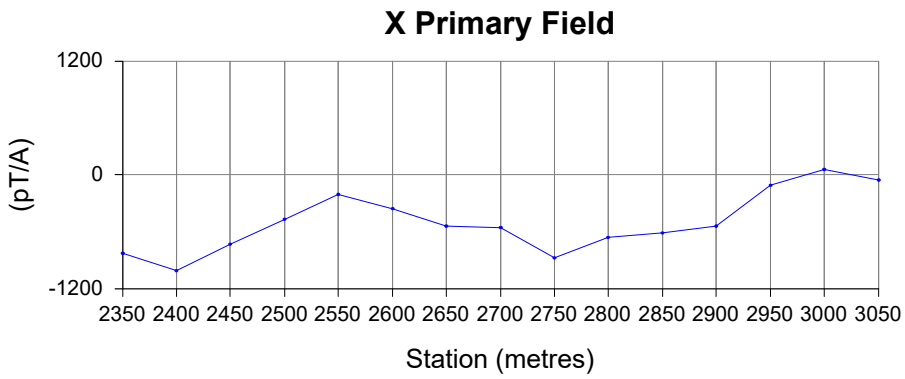
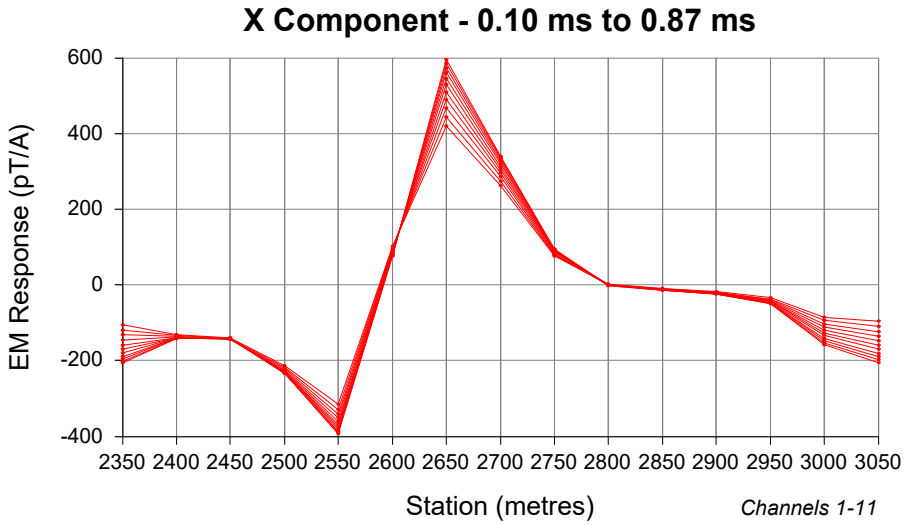
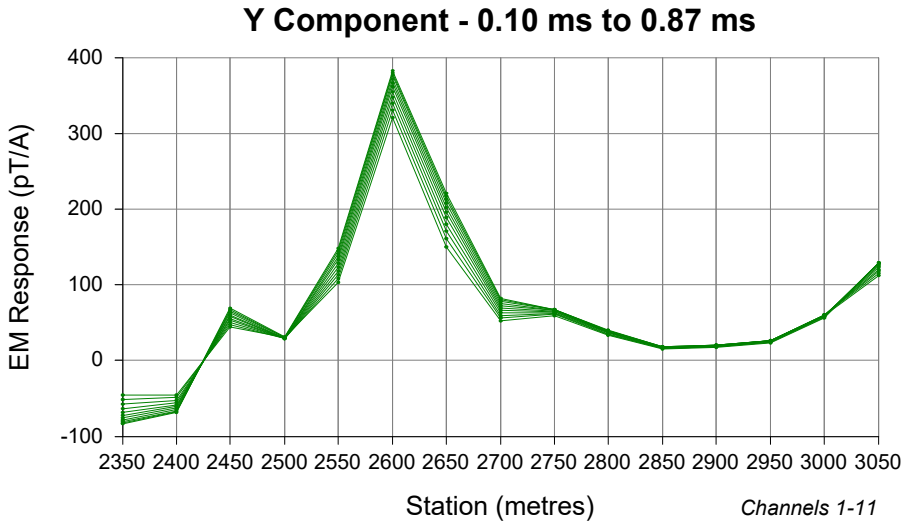
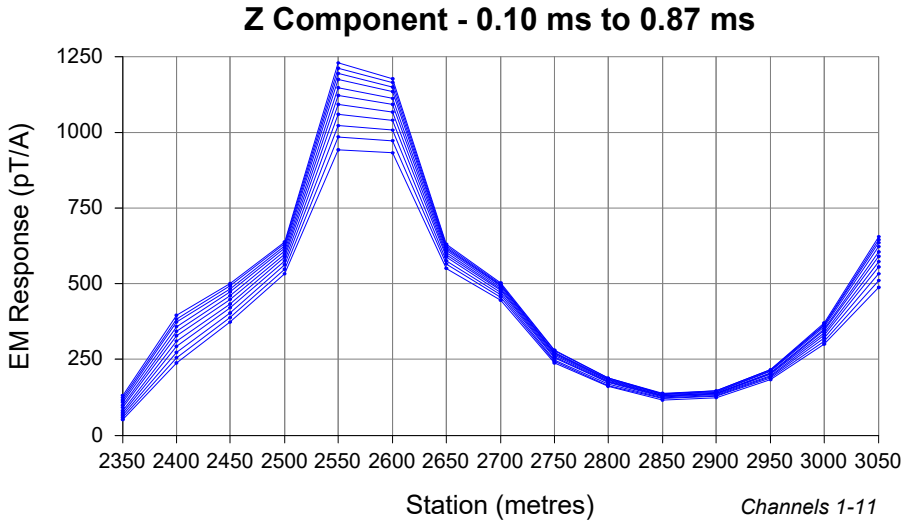








SURVEY PARAMETERS

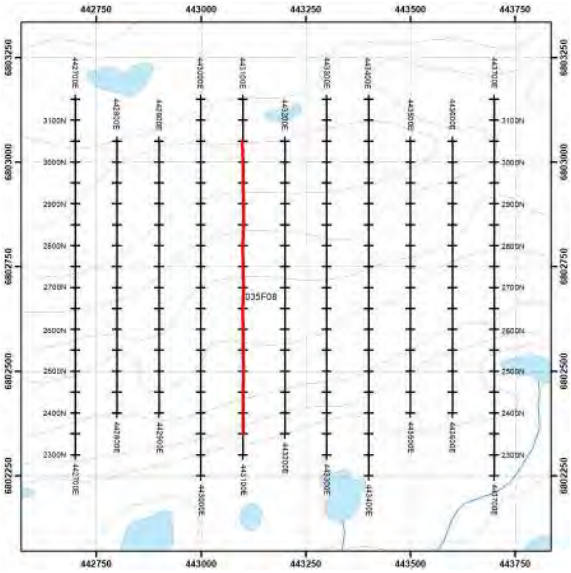
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4.13.3,

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443100E

Surveyed By: Joseph Cook
Survey Date: July 2021

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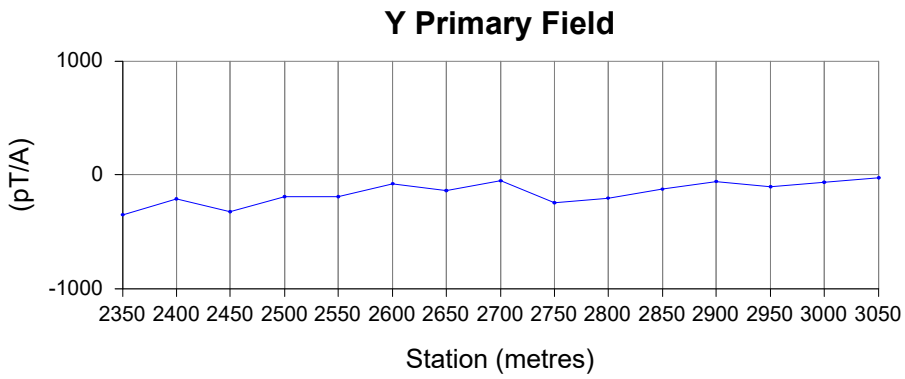
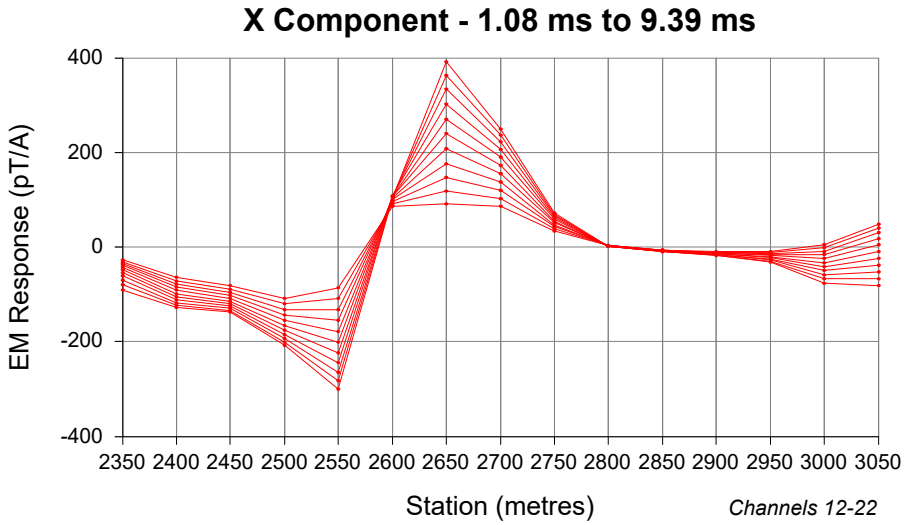
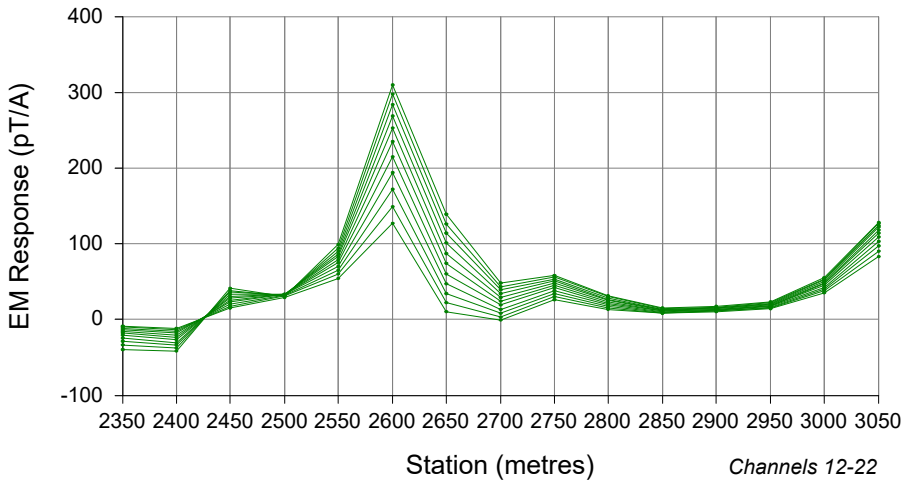
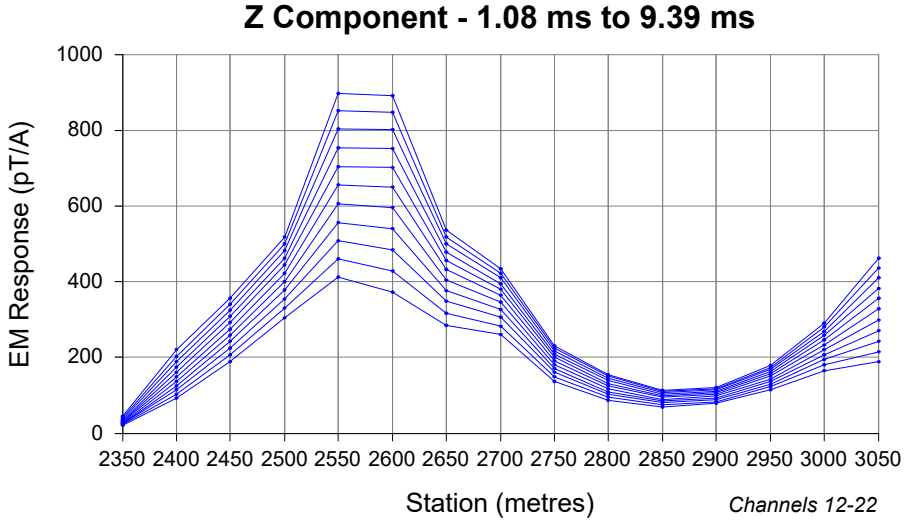








SURVEY PARAMETERS

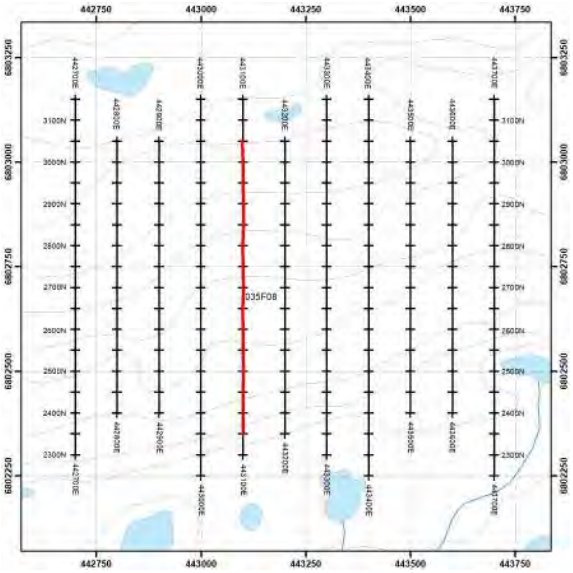
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4.13.3,

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443100E

Surveyed By: Joseph Cook
Survey Date: July 2021

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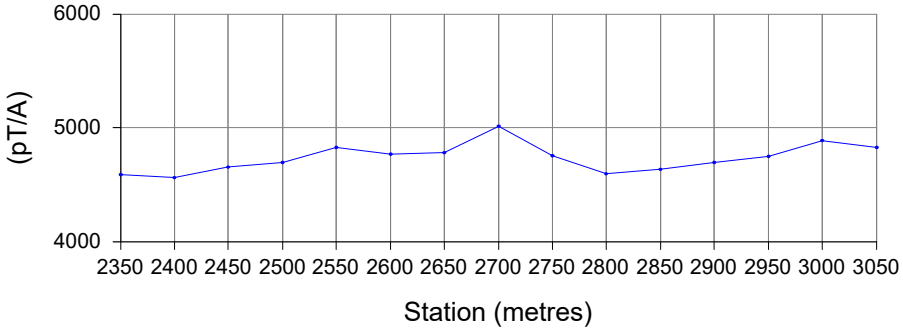
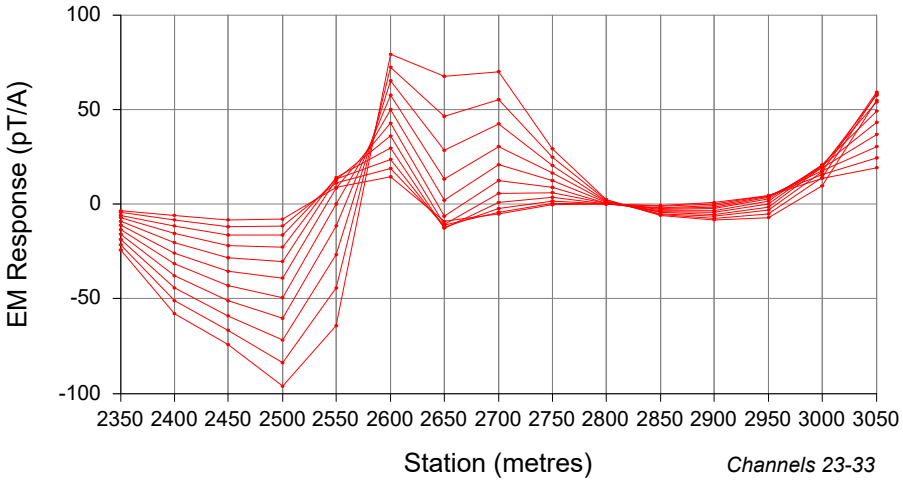
Z Primary Field

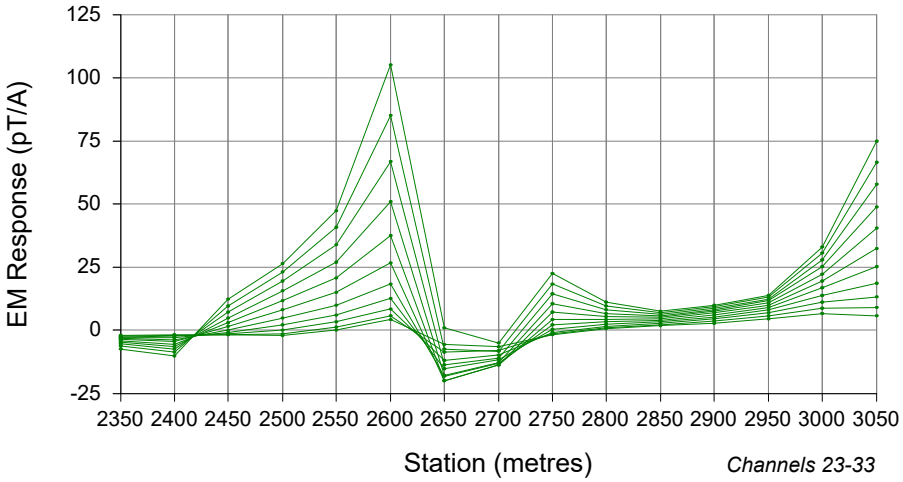


X Component - 11.66 ms to 101.40 ms



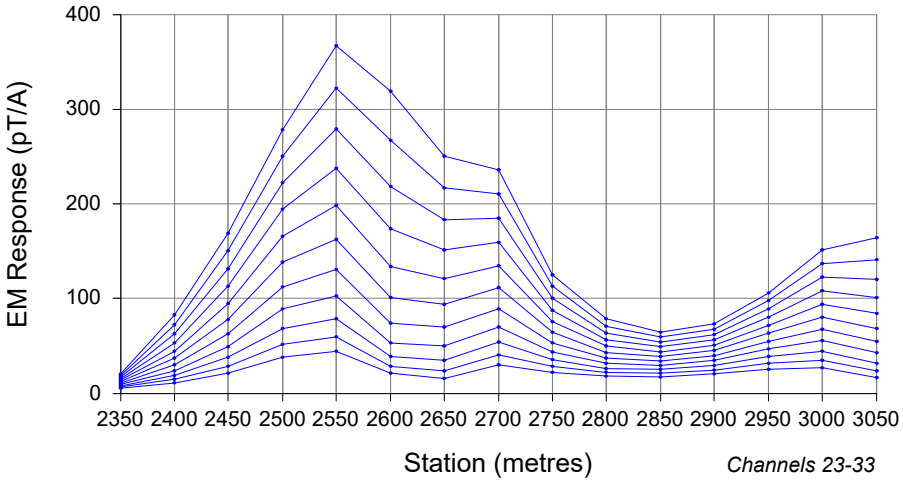
Channels 23-33

Y Component - 11.66 ms to 101.40 ms



Channels 23-33

Z Component - 11.66 ms to 101.40 ms



Channels 23-33

SURVEY PARAMETERS

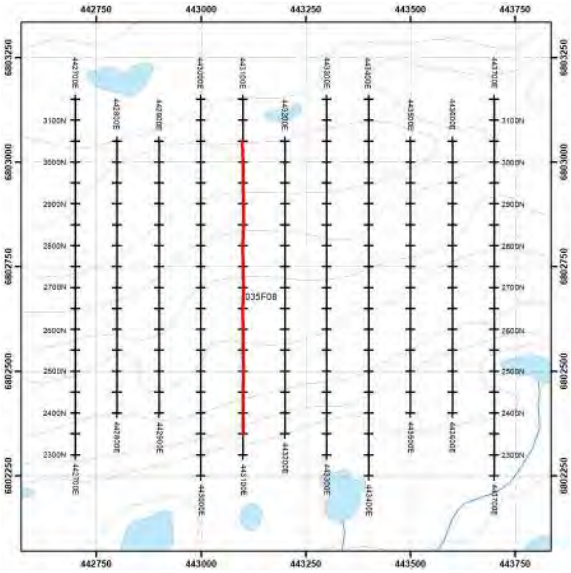
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4.13.3,

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:7000

Orford Mining Corp.
West Raglan Project
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Moving-Loop TEM Survey

Line 443100E

Surveyed By: Joseph Cook
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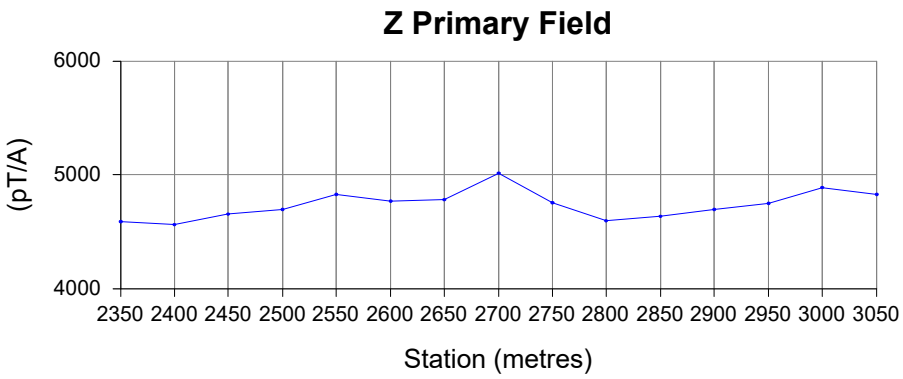

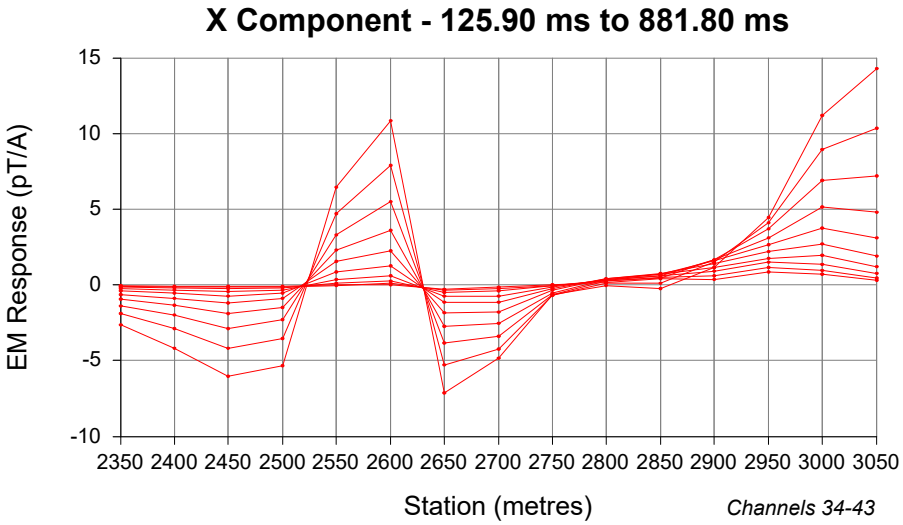

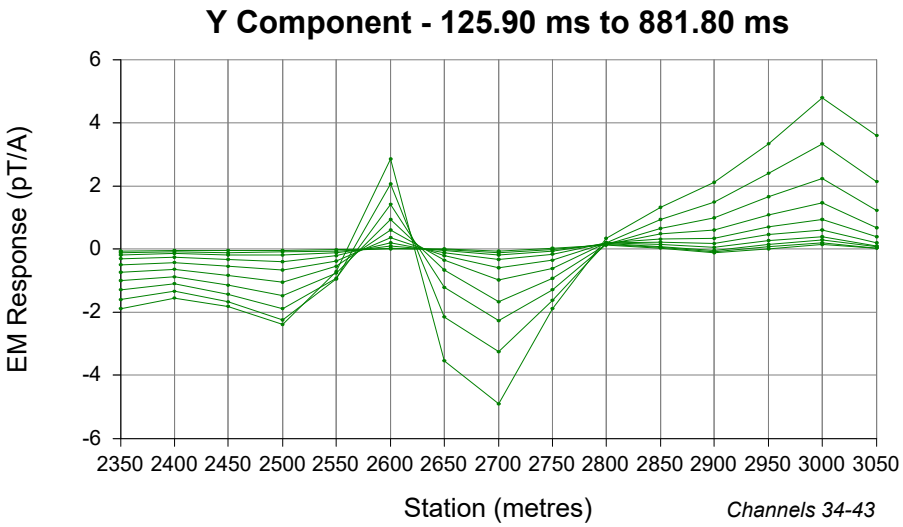

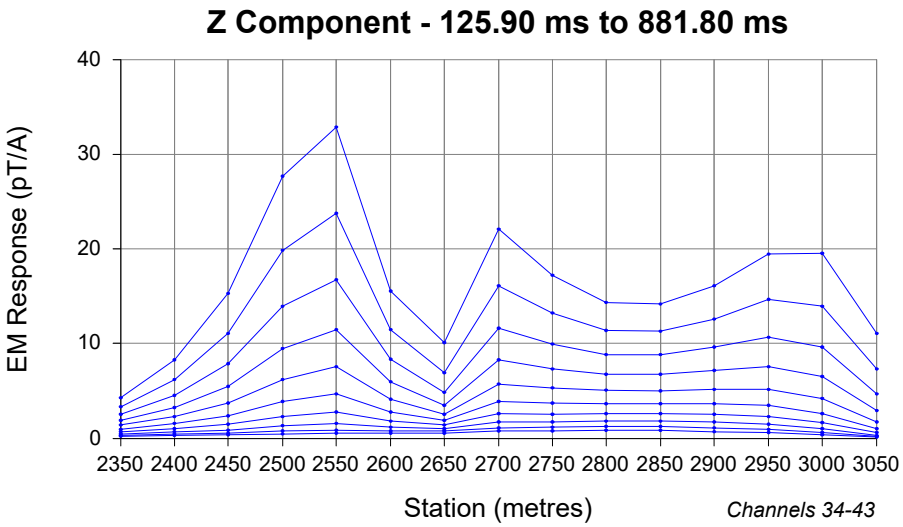

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4.13.3,

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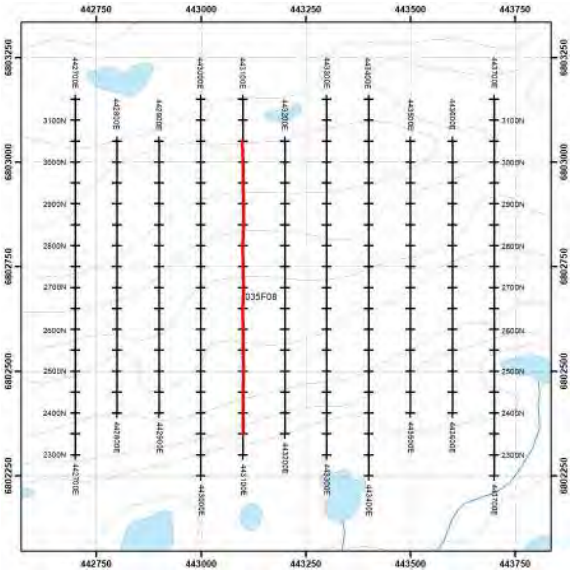
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443100E

Surveyed By: Joseph Cook
Survey Date: July 2021

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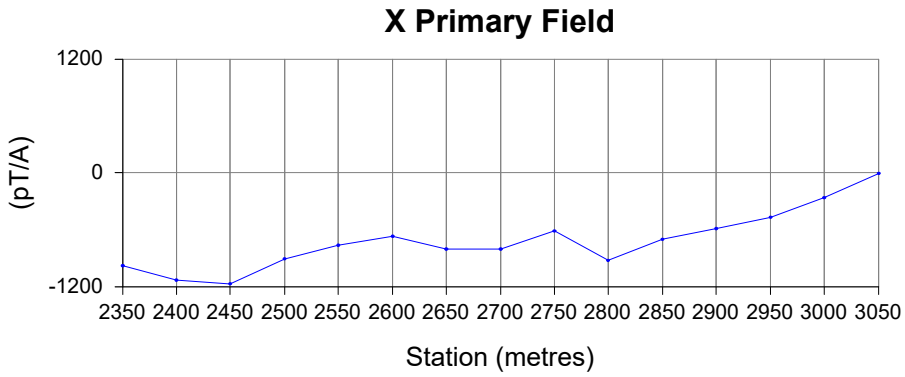
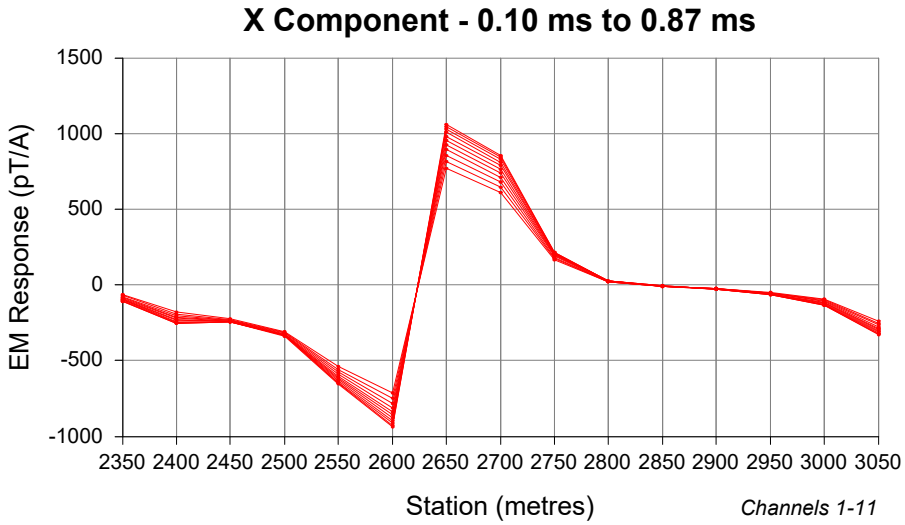
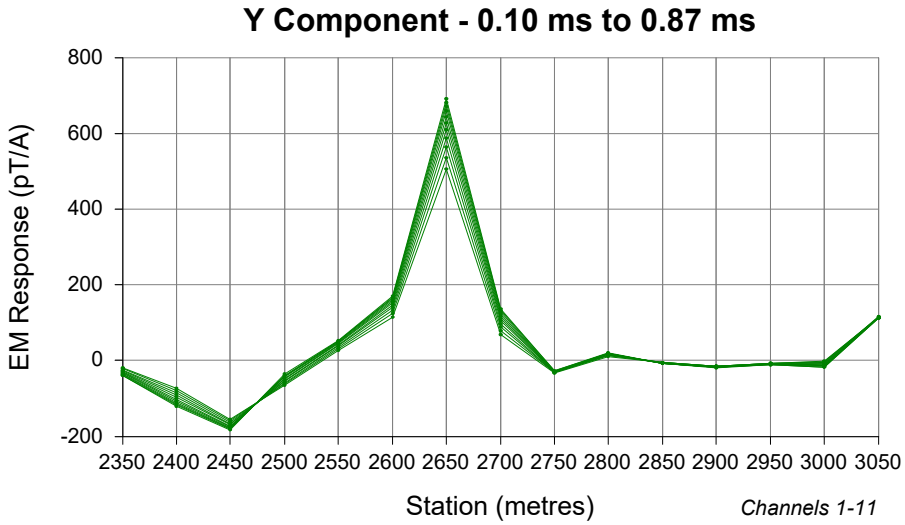
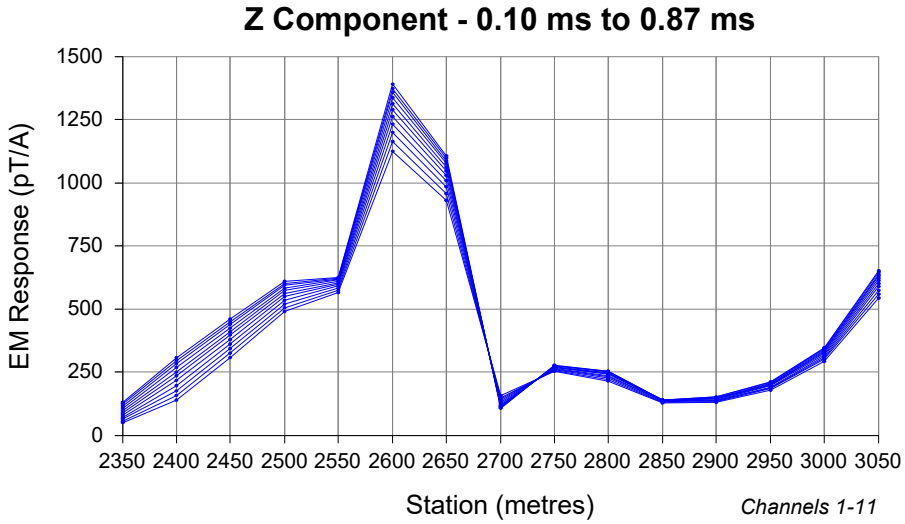








SURVEY PARAMETERS

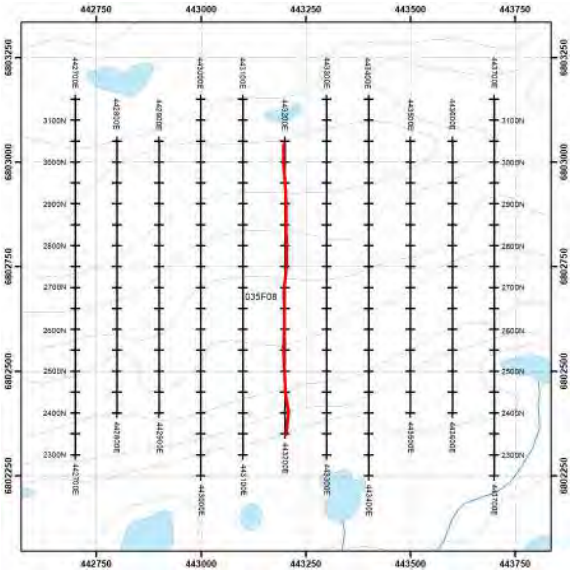
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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Saskatoon, SK, S7K 7Z1
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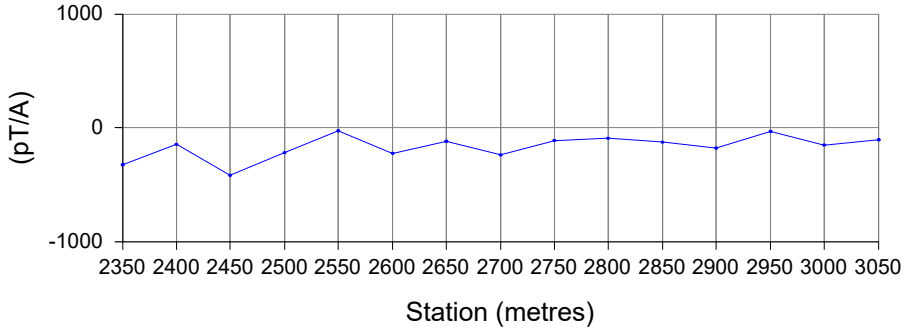
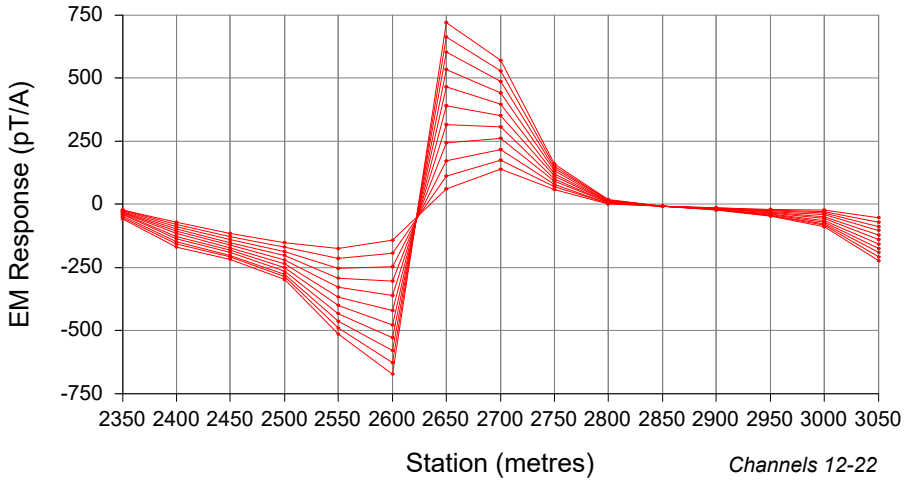
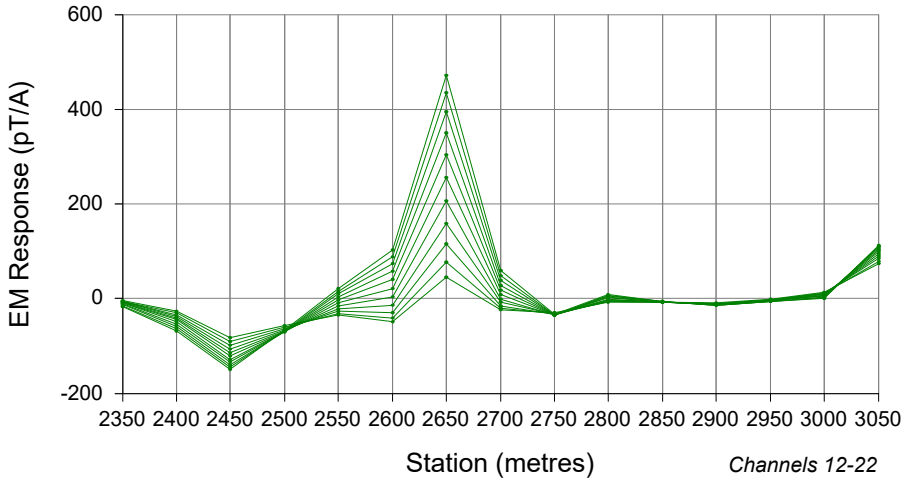
Y Primary Field



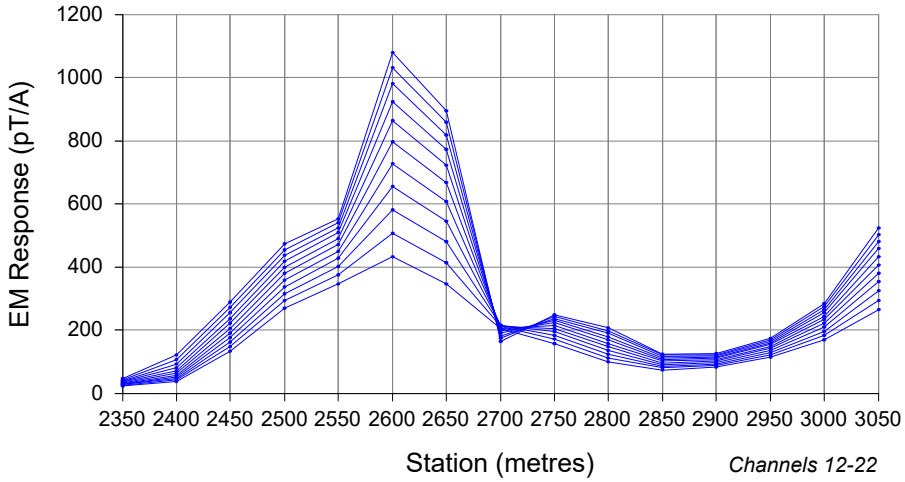
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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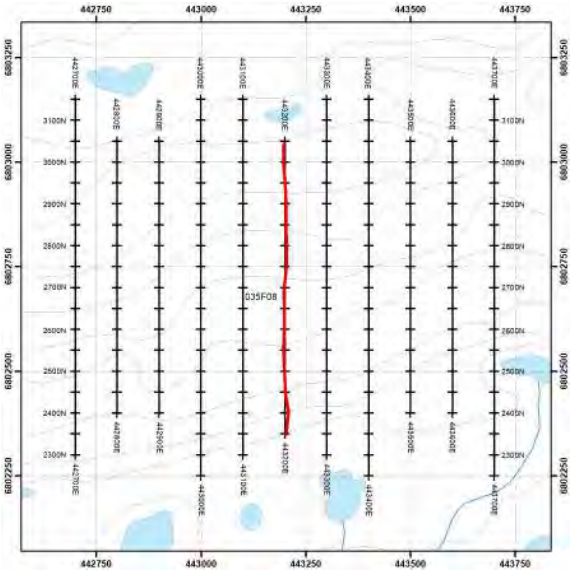
Rx Serial Number	: JD4133, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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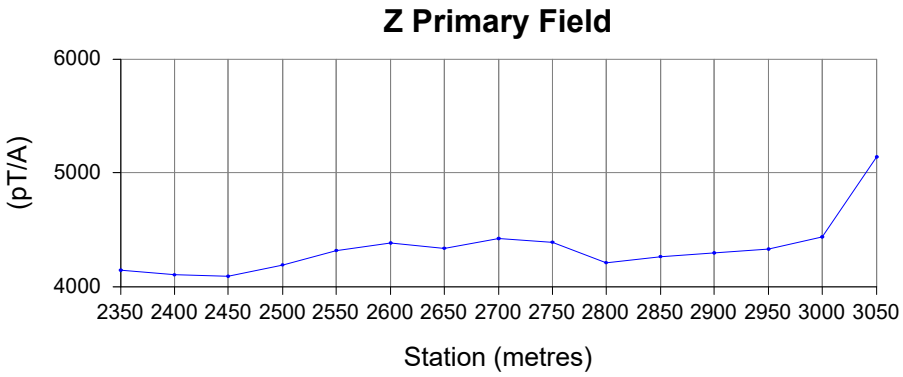
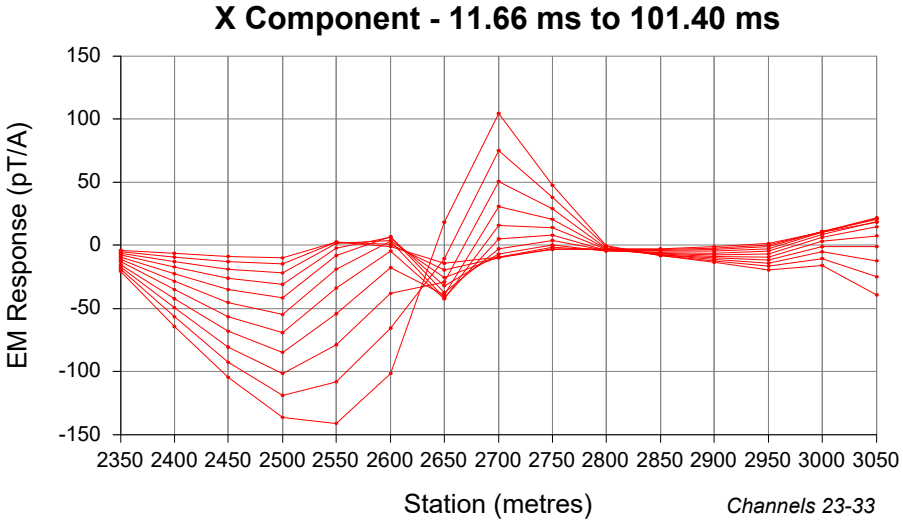
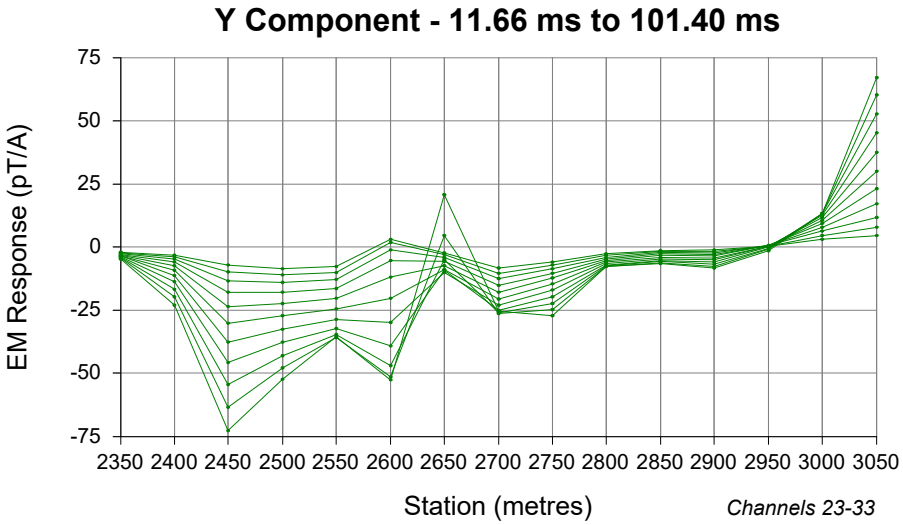
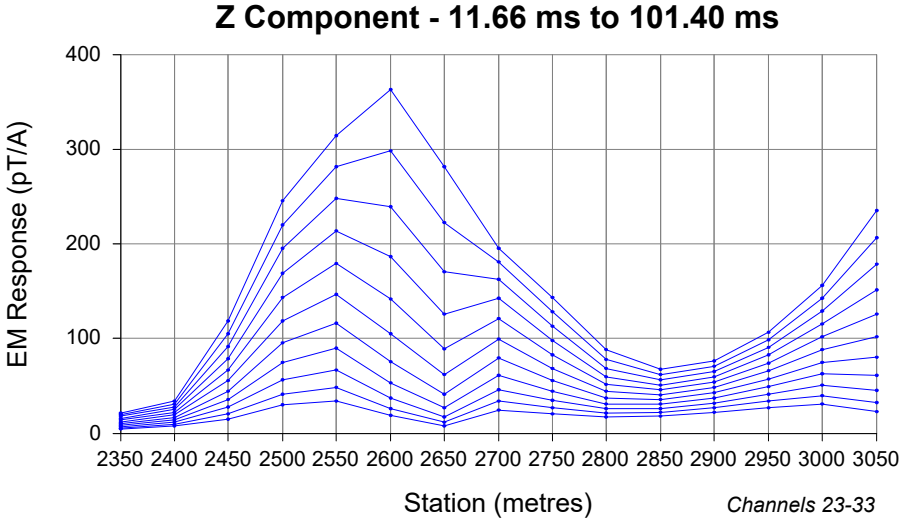








SURVEY PARAMETERS

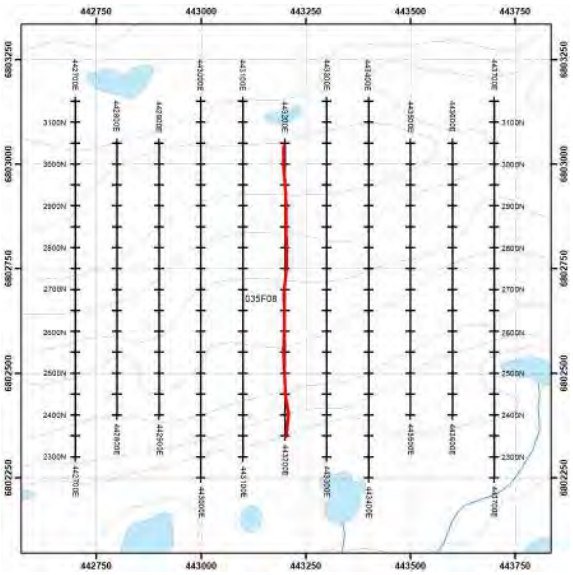
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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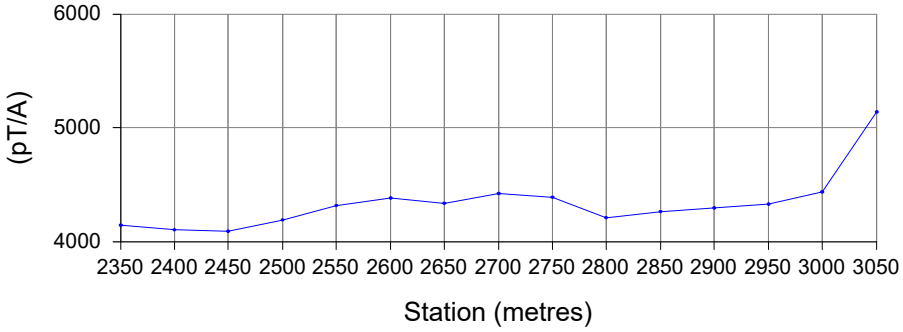
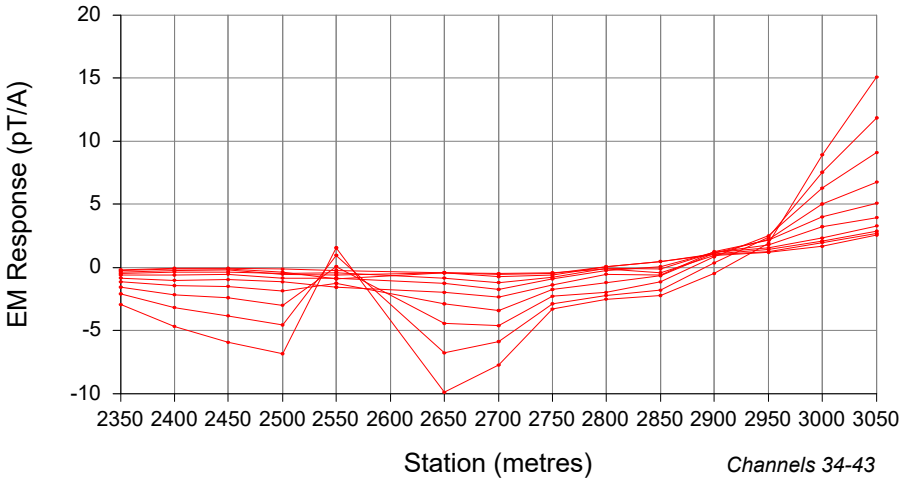
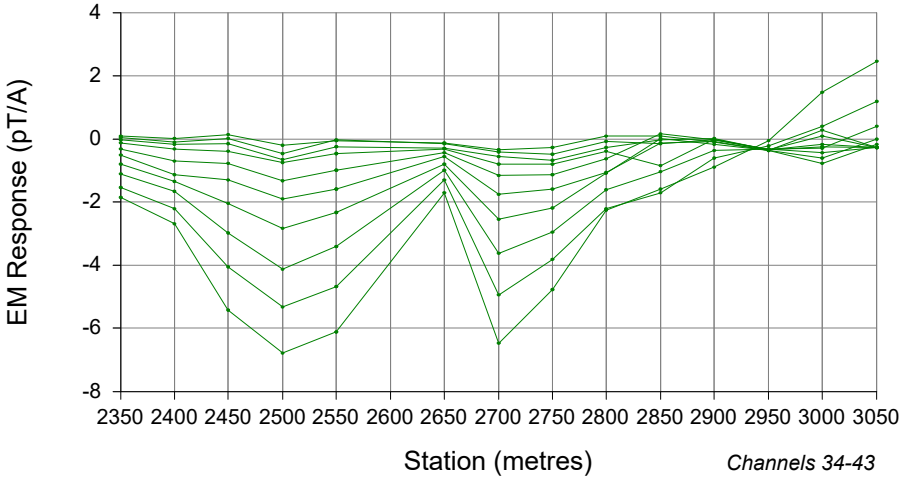
Z Primary Field



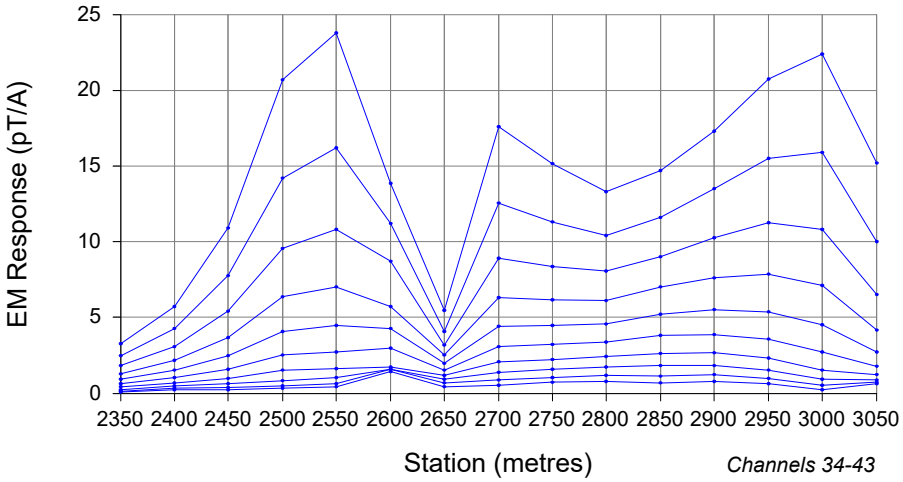
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

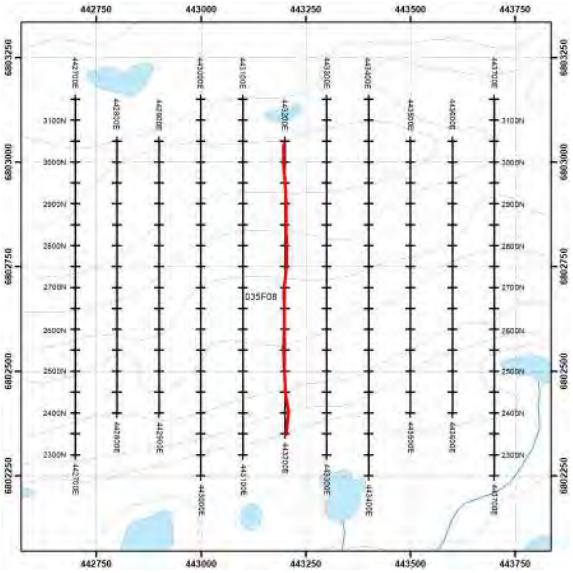
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4133, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443200E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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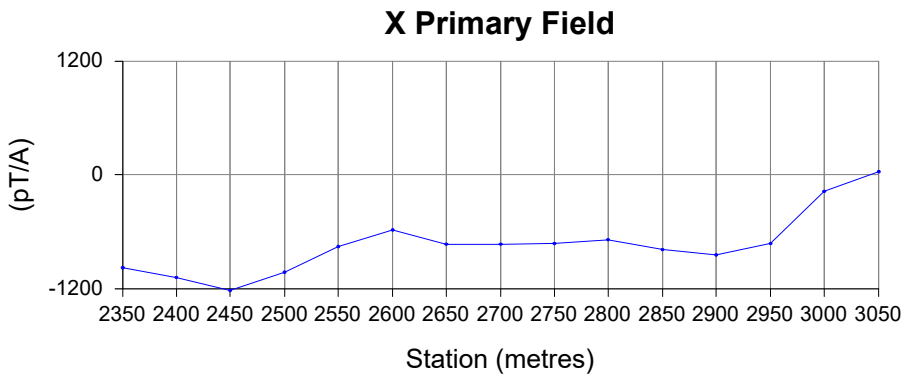

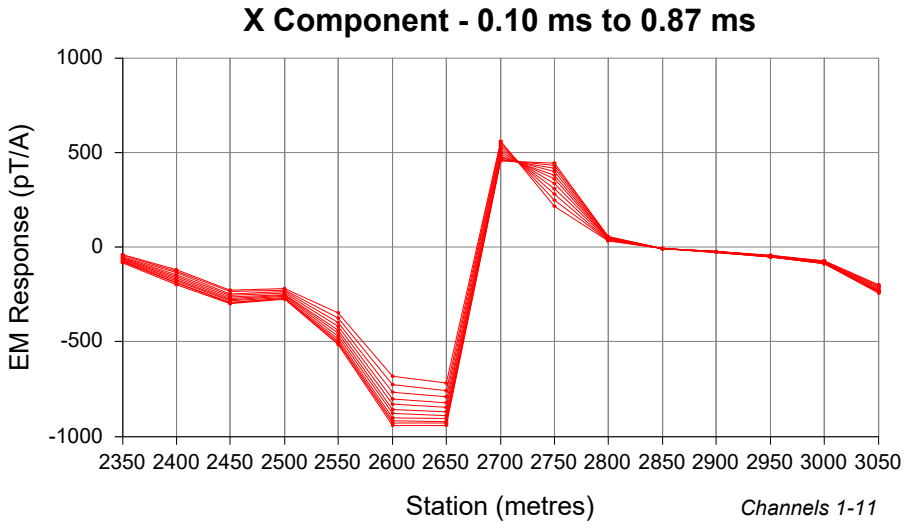

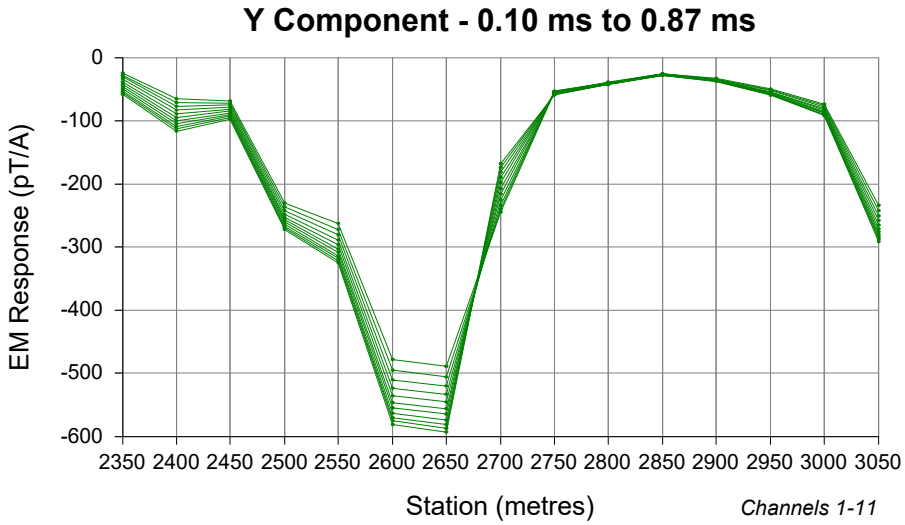

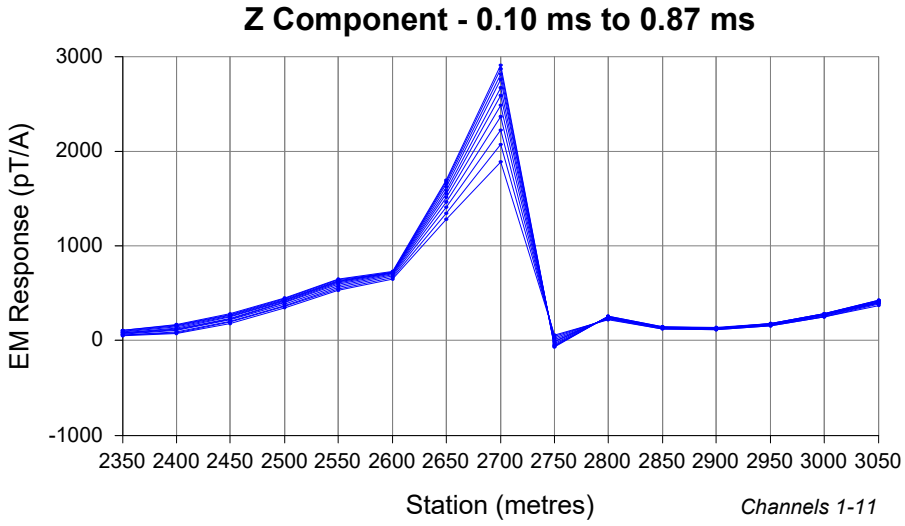

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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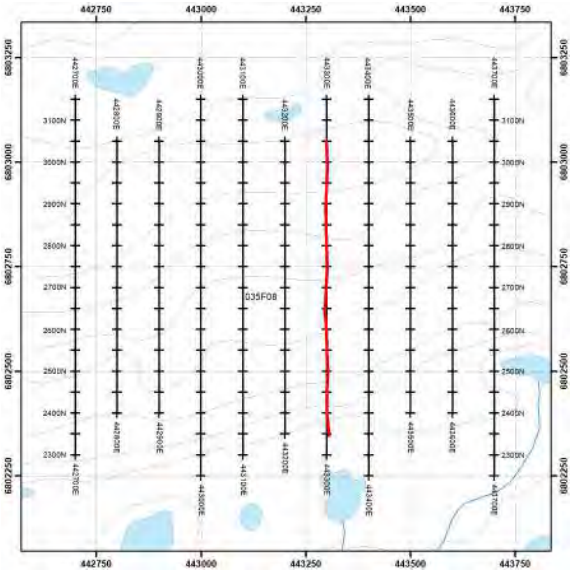
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443300E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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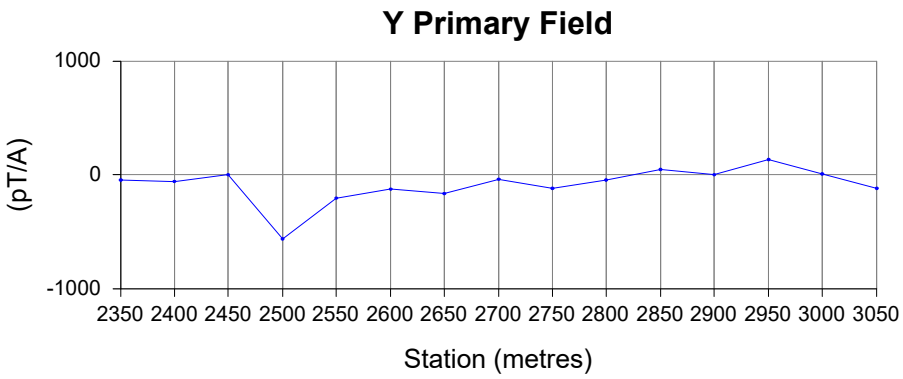

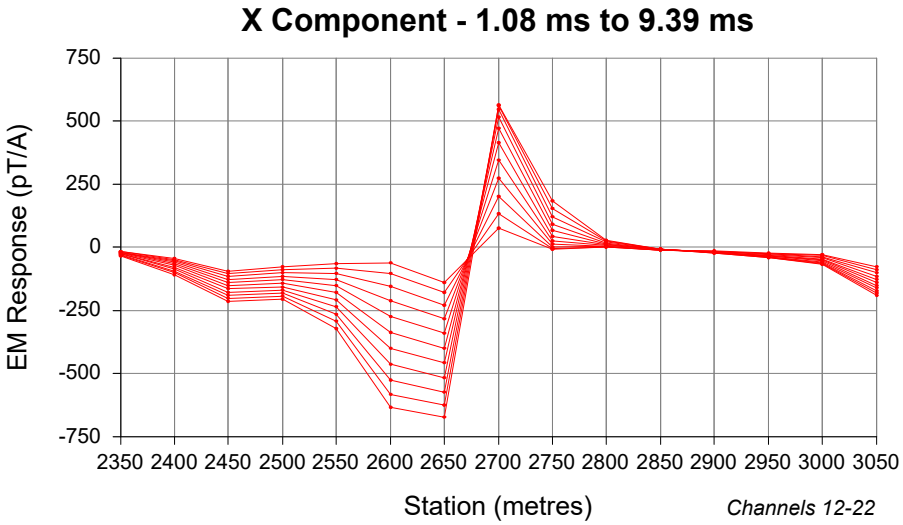

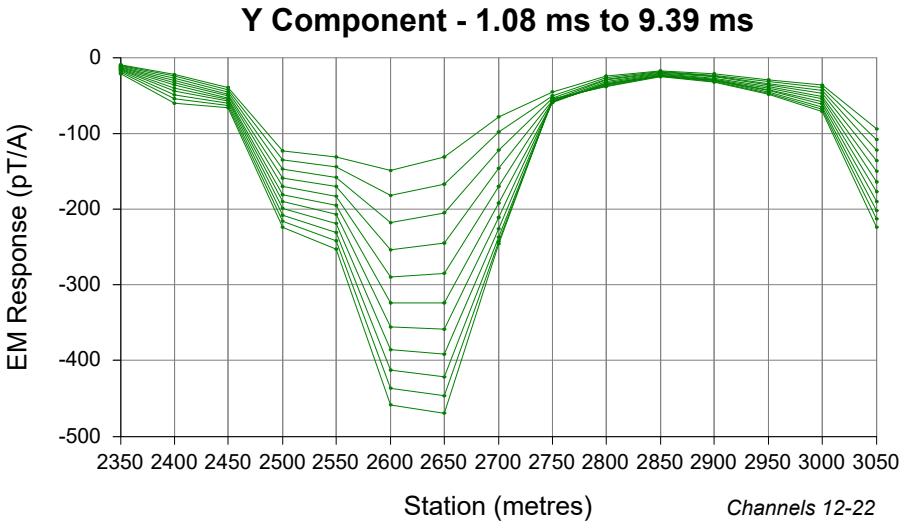

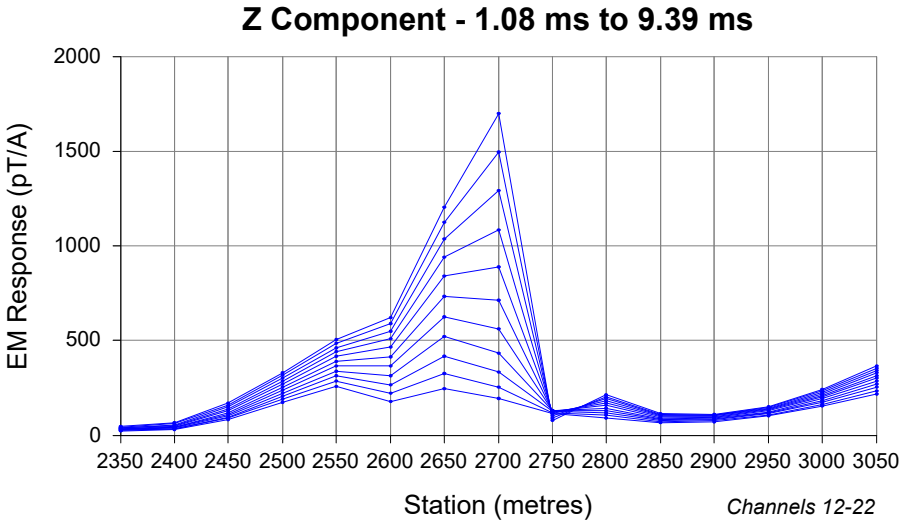

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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TRANSMITTER

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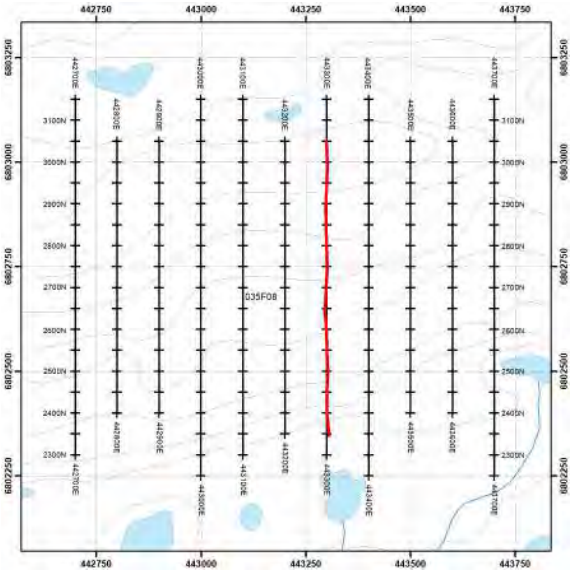

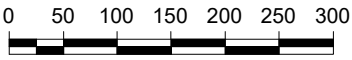

Scale 1:7000

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443300E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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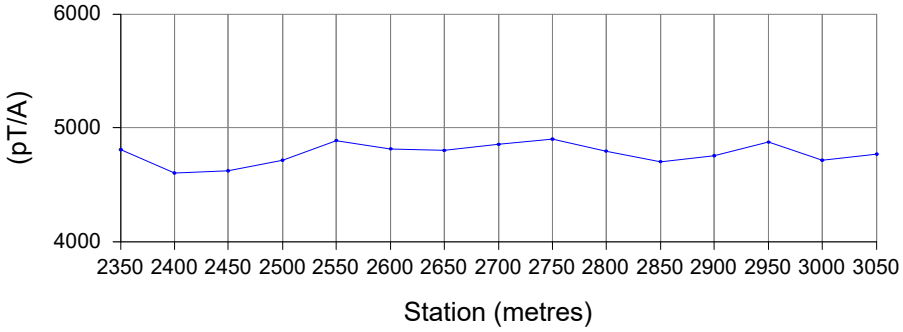
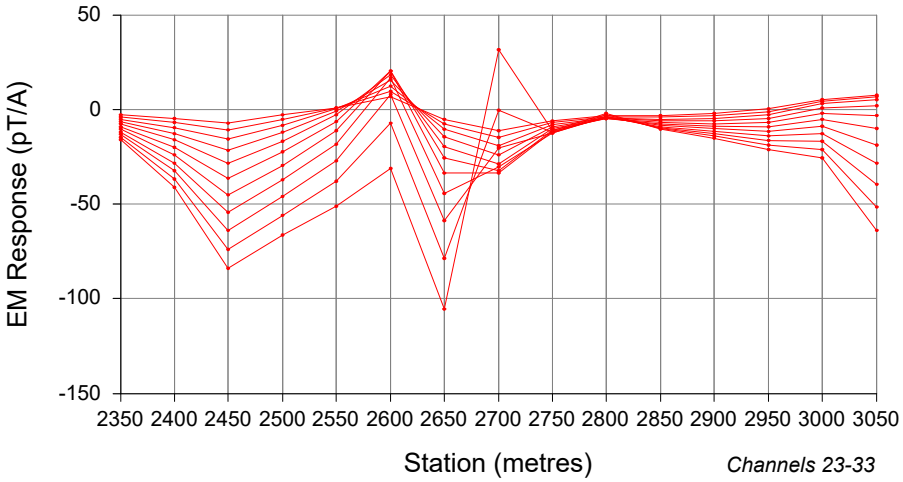
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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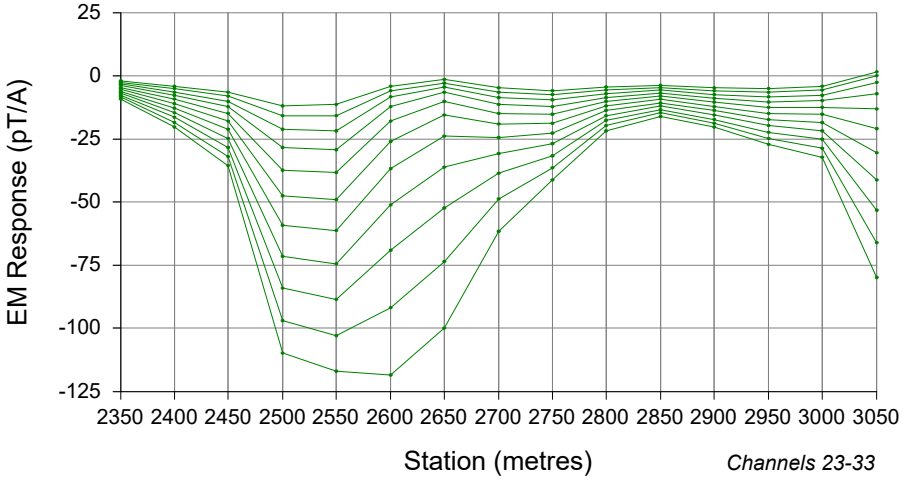

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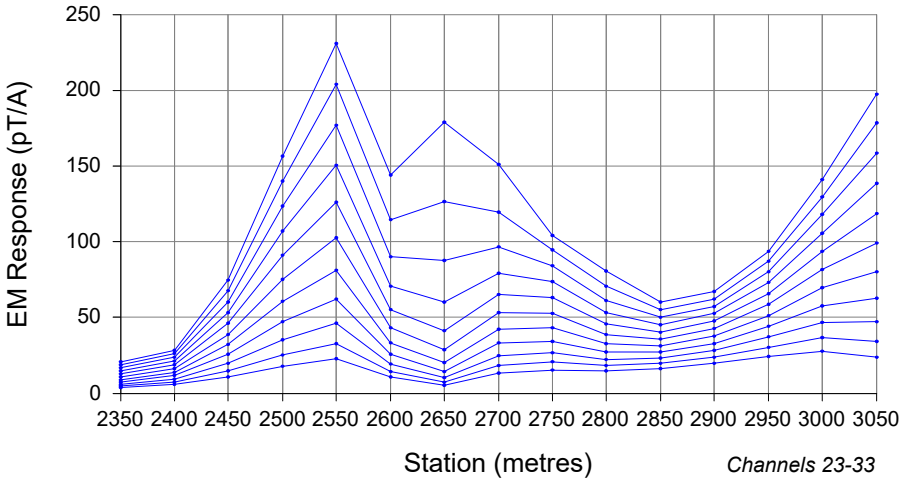

SURVEY PARAMETERS

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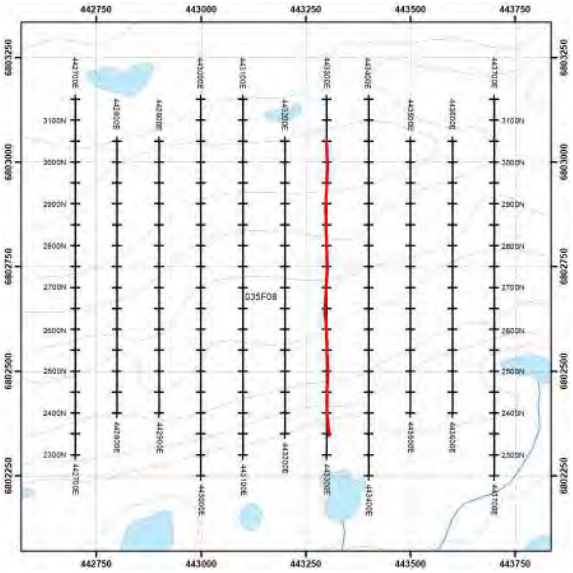

0 50 100 150 200 250 300

Scale 1:7000

Orford Mining Corp.
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Frontier West Grid
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Moving-Loop TEM Survey

Line 443300E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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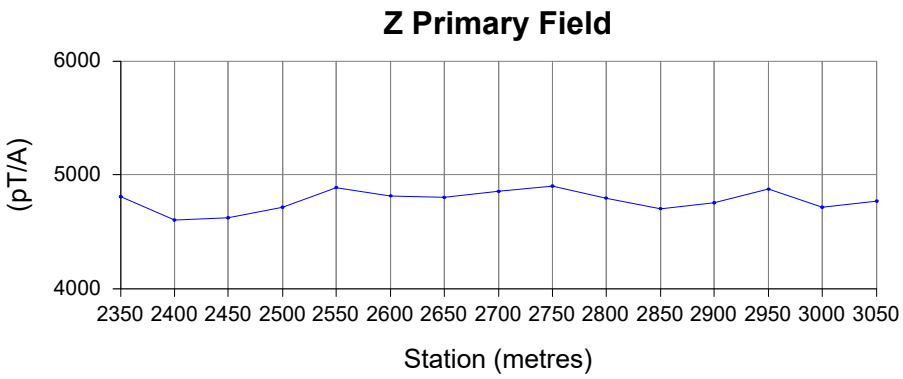

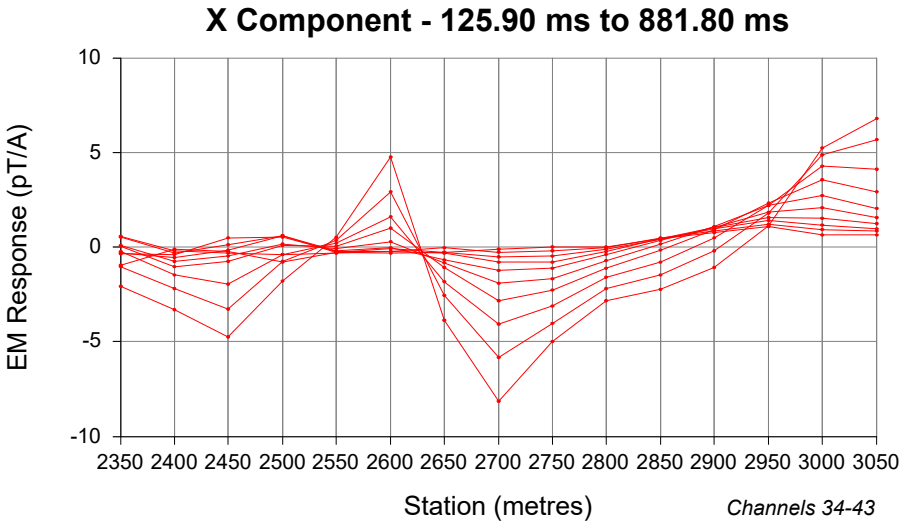

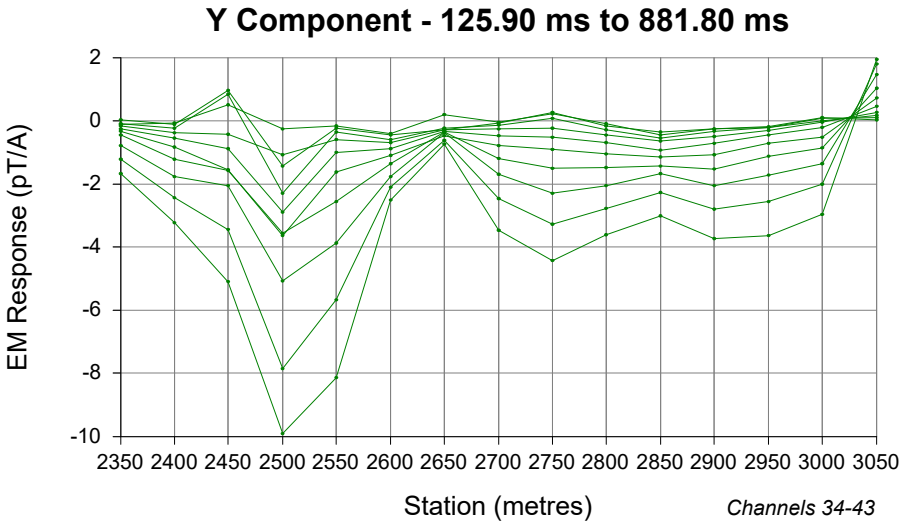

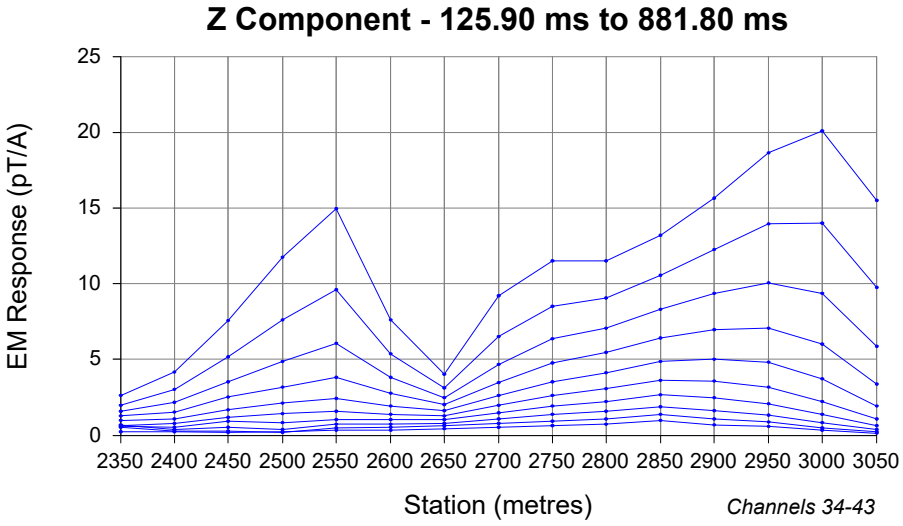

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
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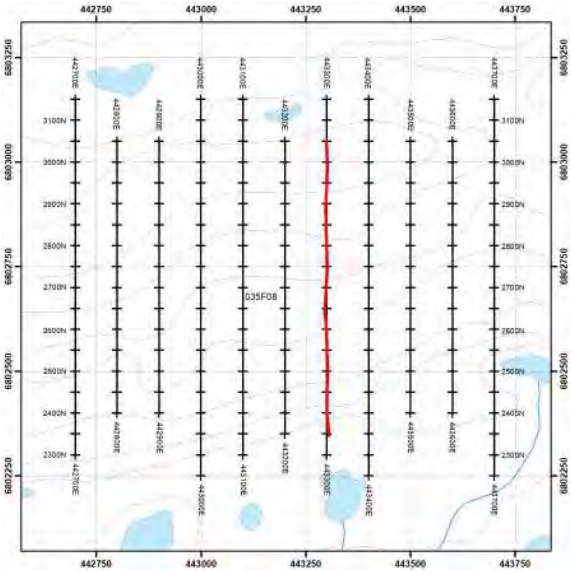

0 50 100 150 200 250 300

Scale 1:7000

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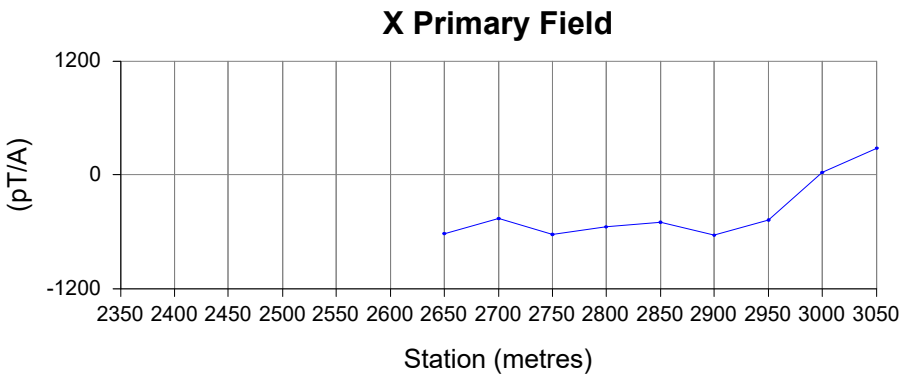
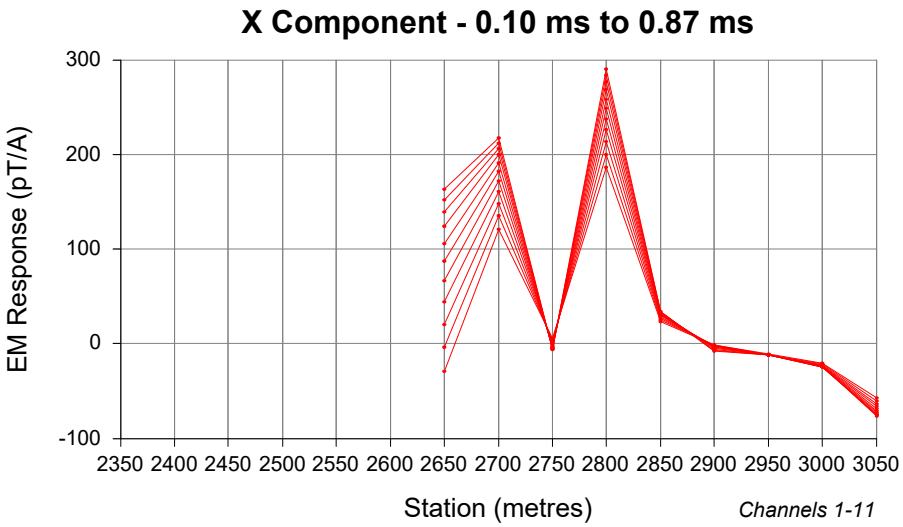
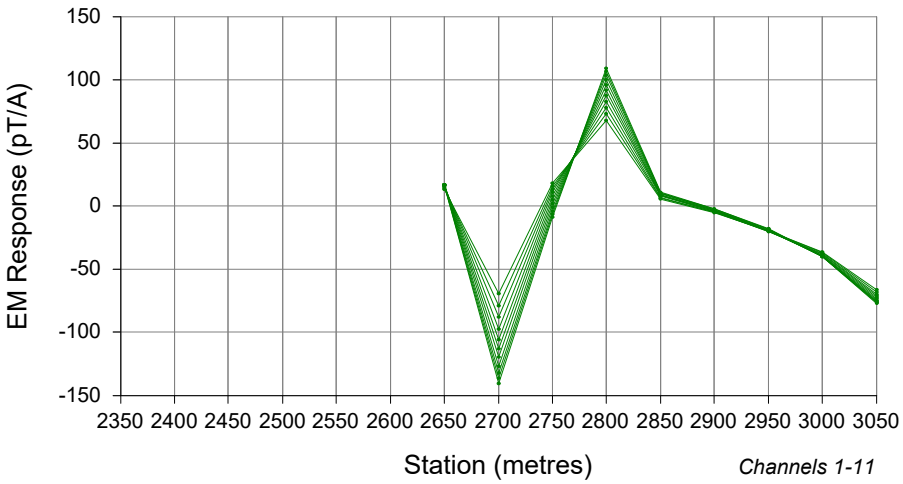
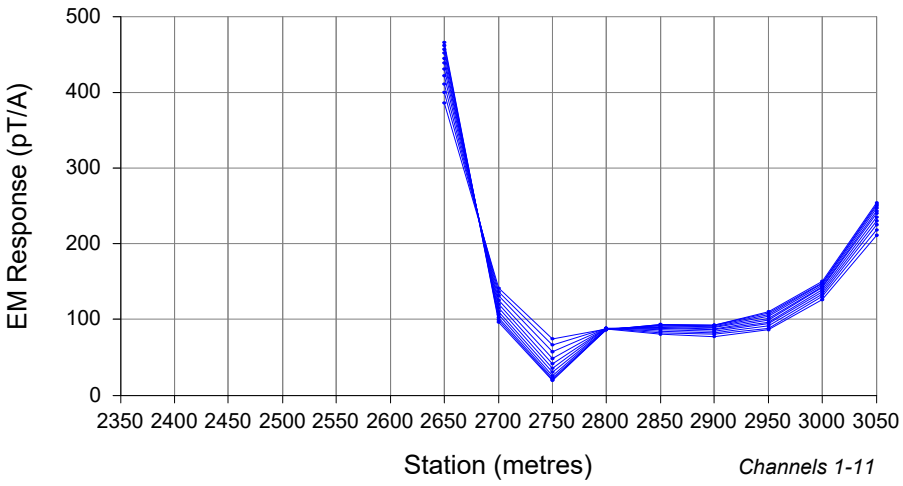








SURVEY PARAMETERS

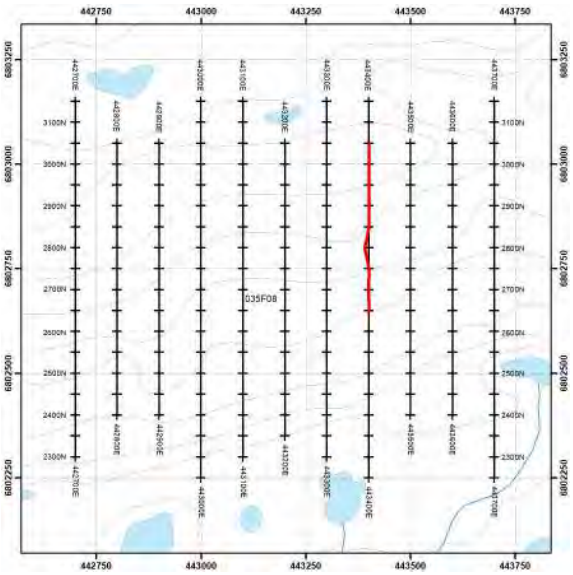
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443400E

Surveyed By: Joseph Cook
Survey Date: July 2021

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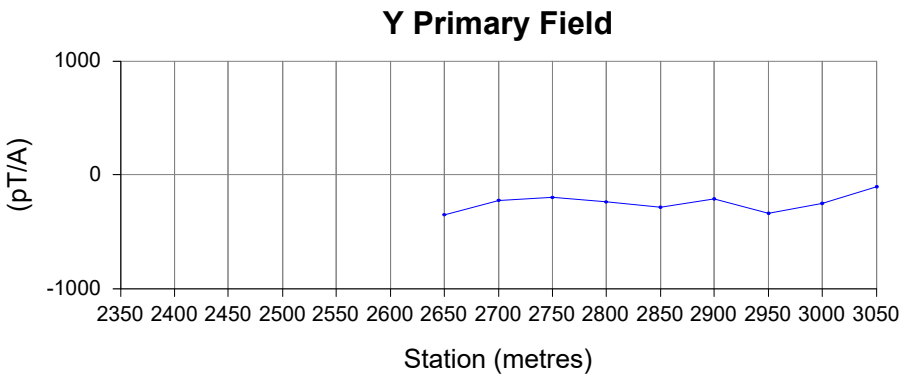

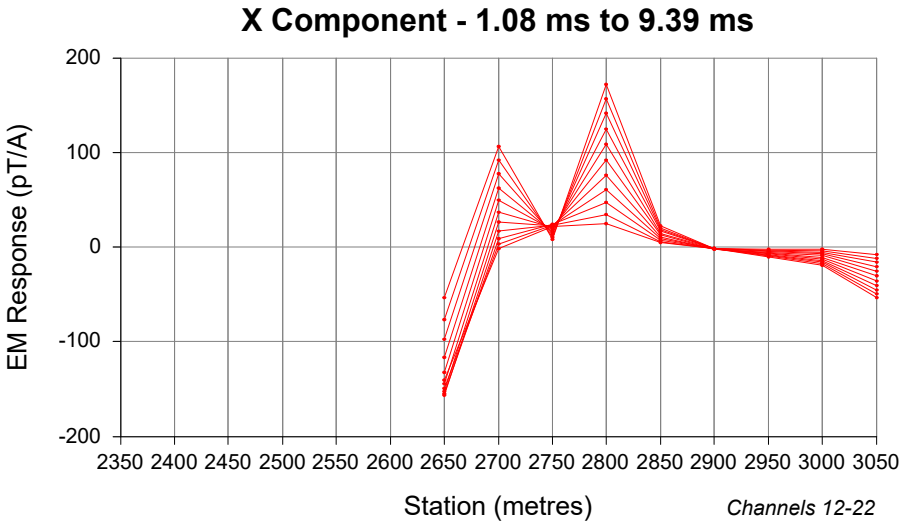

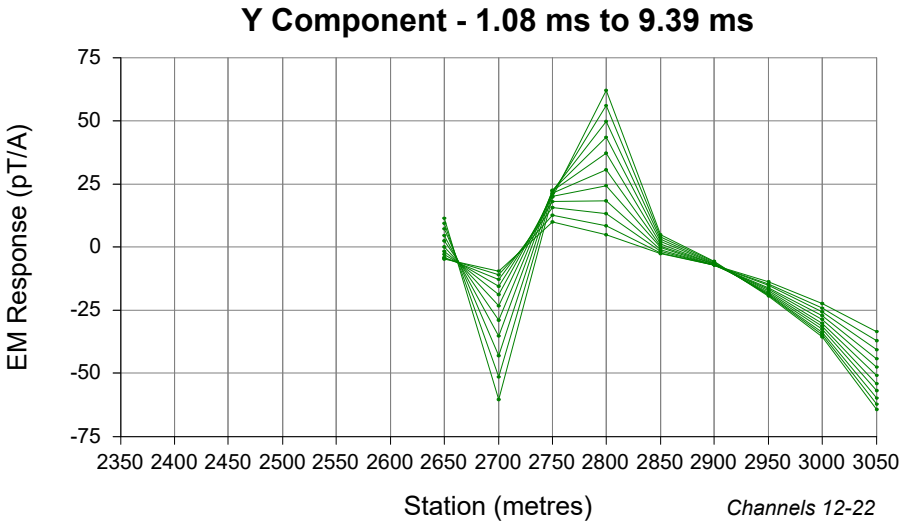

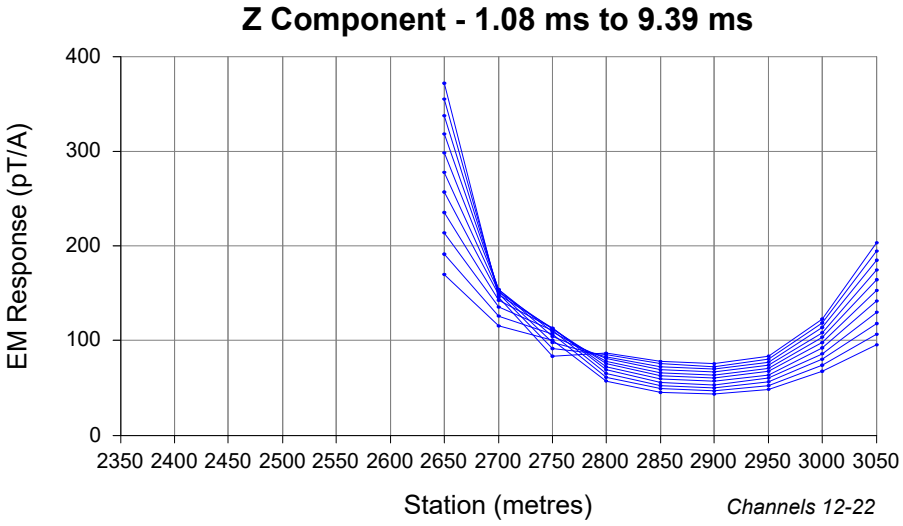

SURVEY PARAMETERS

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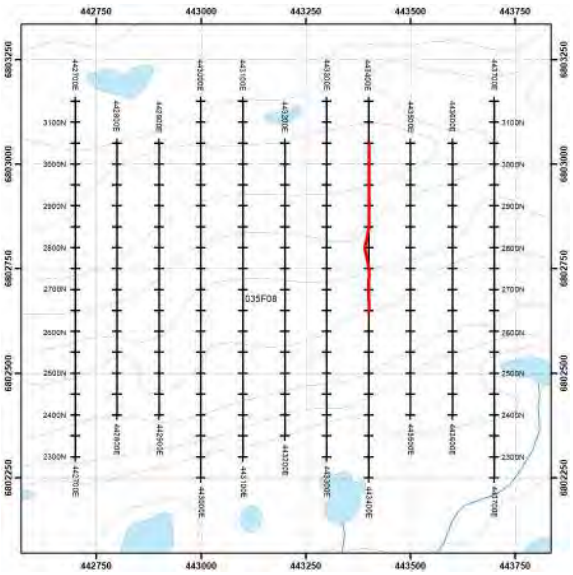

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Line 443400E

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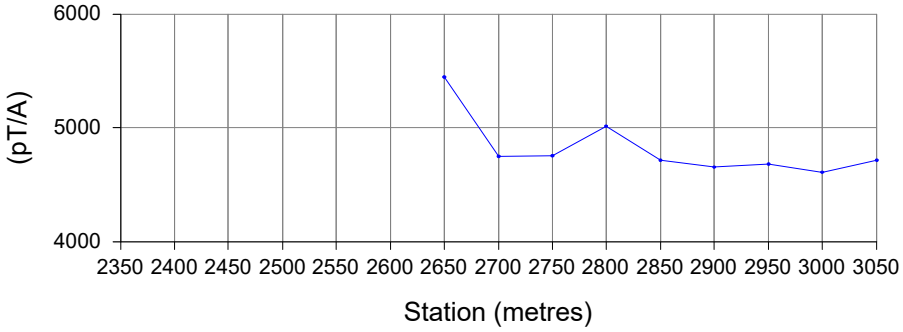
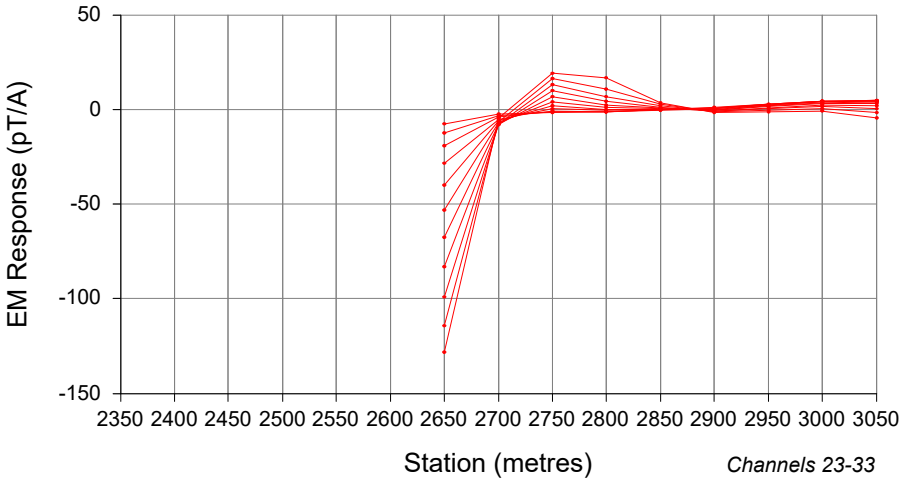
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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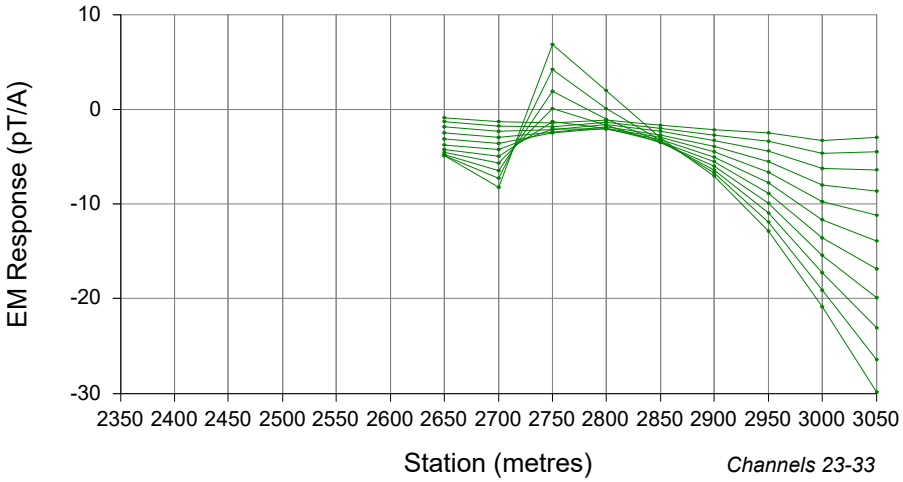

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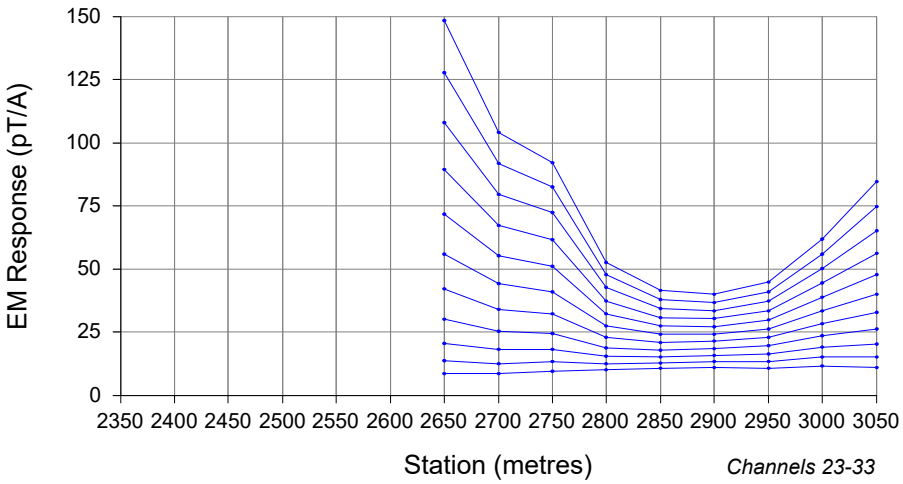

SURVEY PARAMETERS

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RECEIVER

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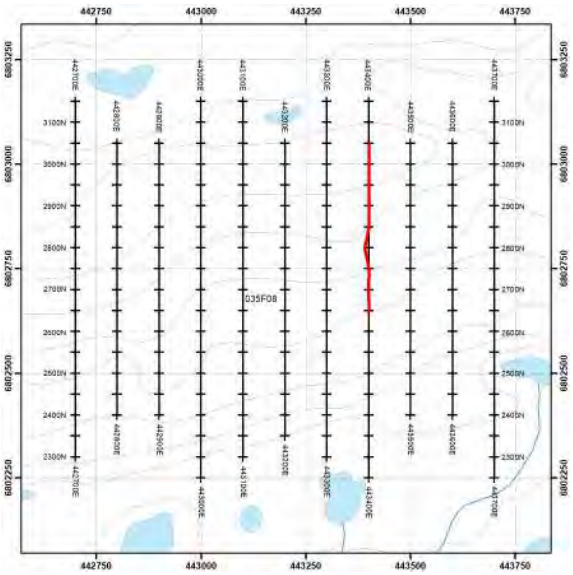

0 50 100 150 200 250 300

Scale 1:7000

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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443400E

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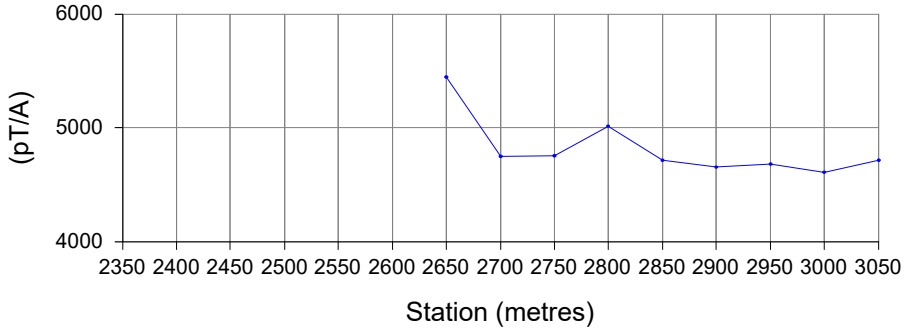
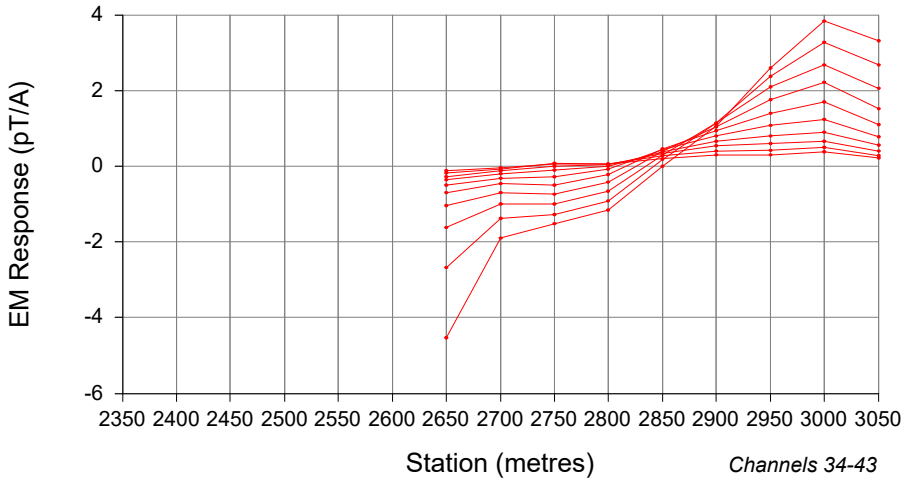
Z Primary Field



X Component - 125.90 ms to 881.80 ms



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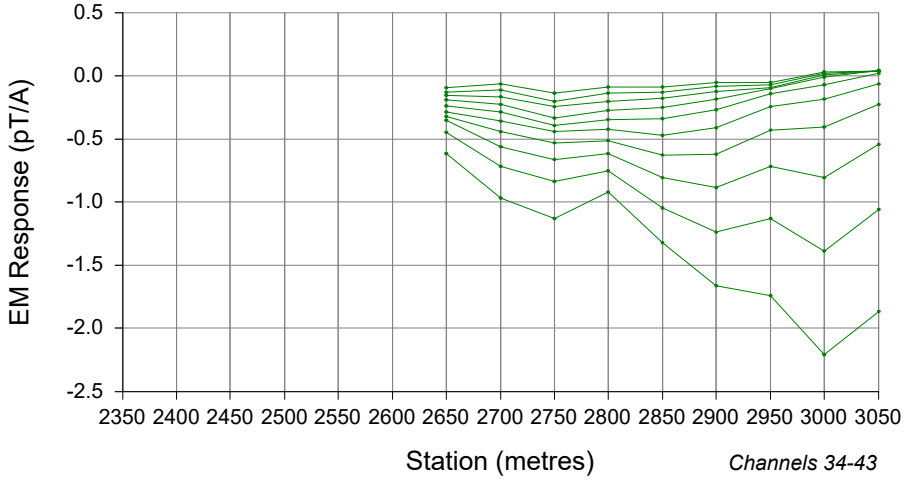

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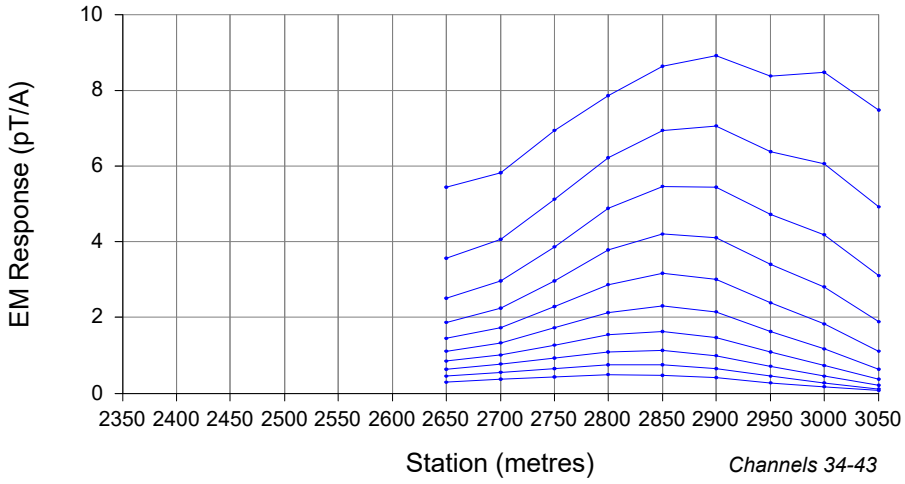

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
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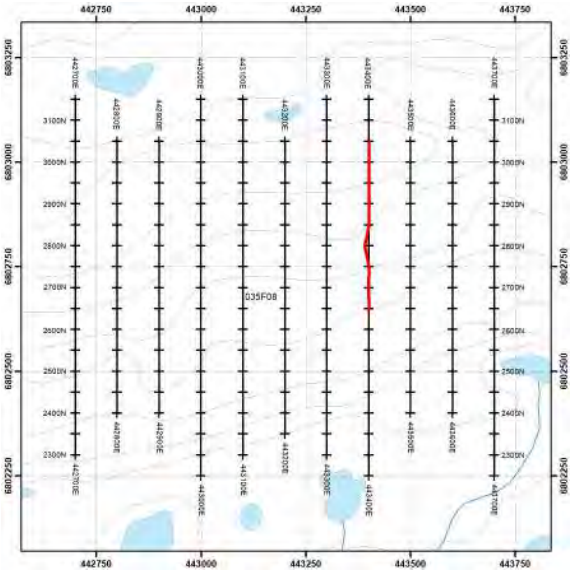

0 50 100 150 200 250 300

Scale 1:7000

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Moving-Loop TEM Survey

Line 443400E

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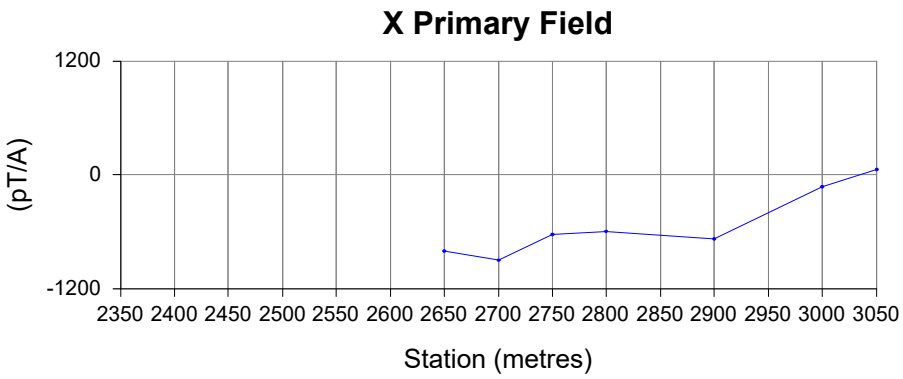

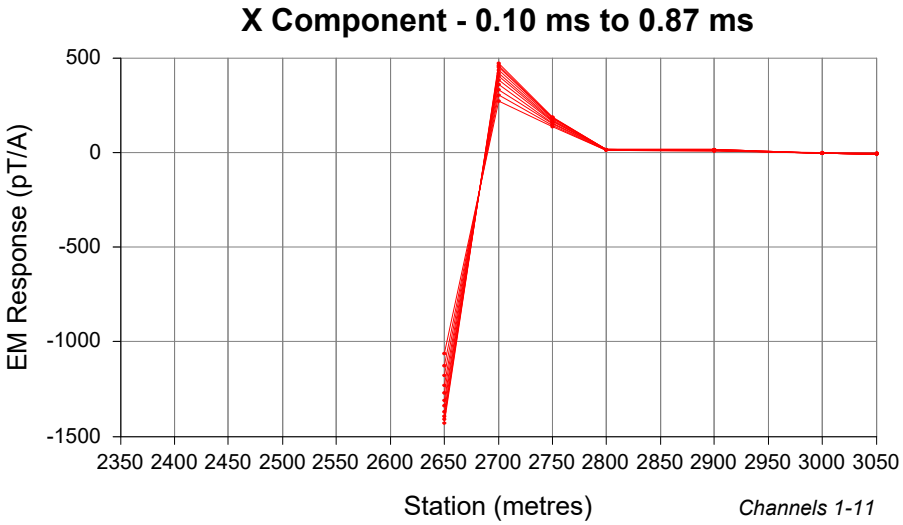

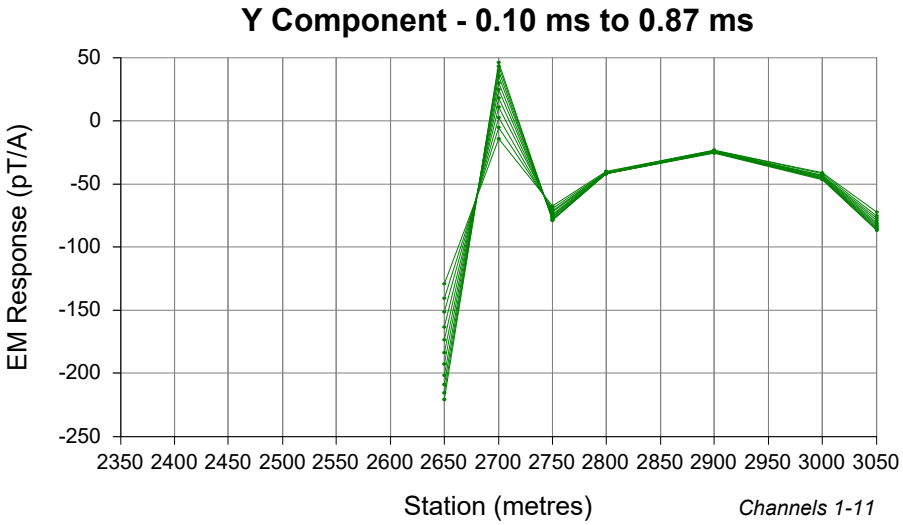

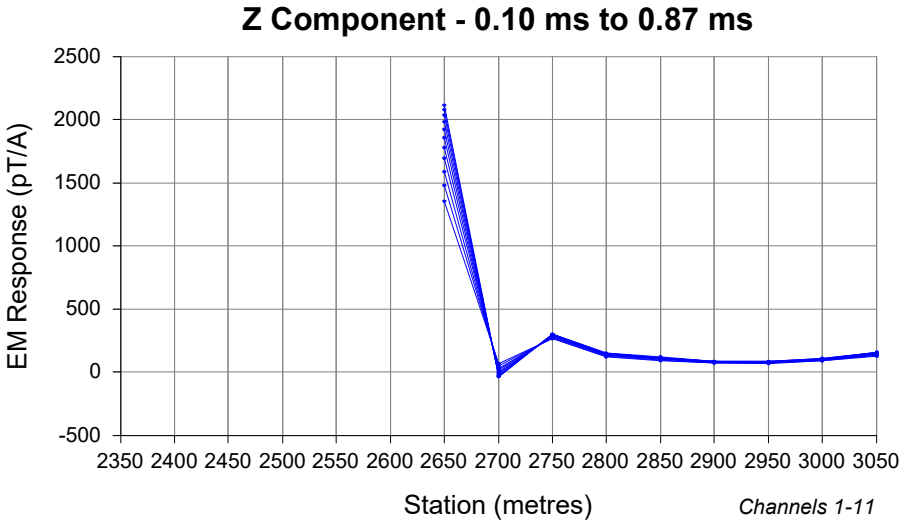

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
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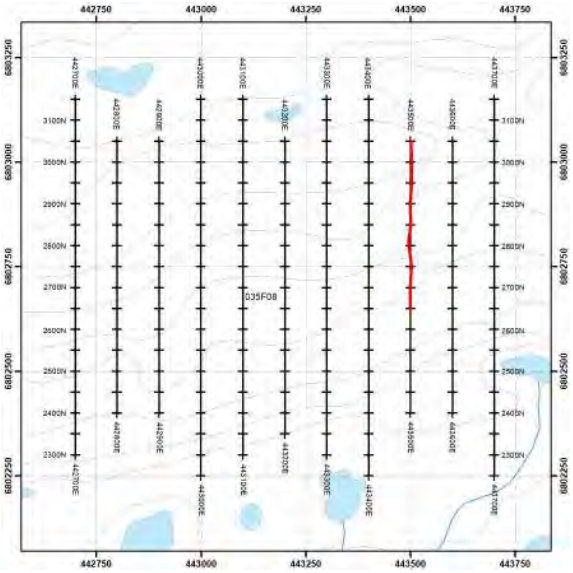

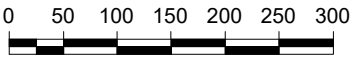

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Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443500E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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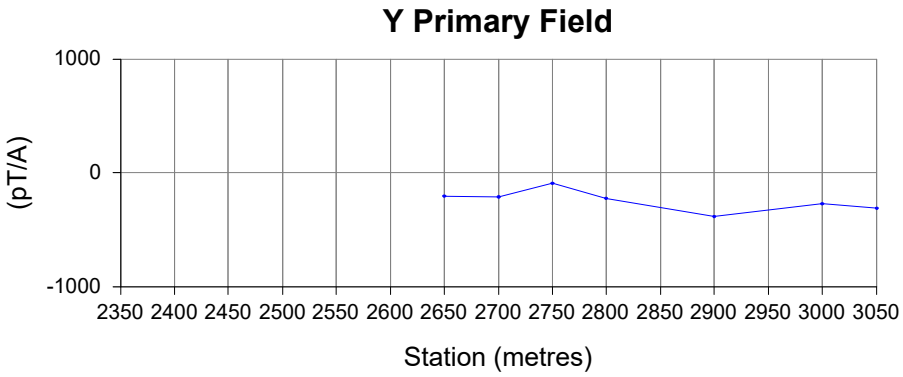

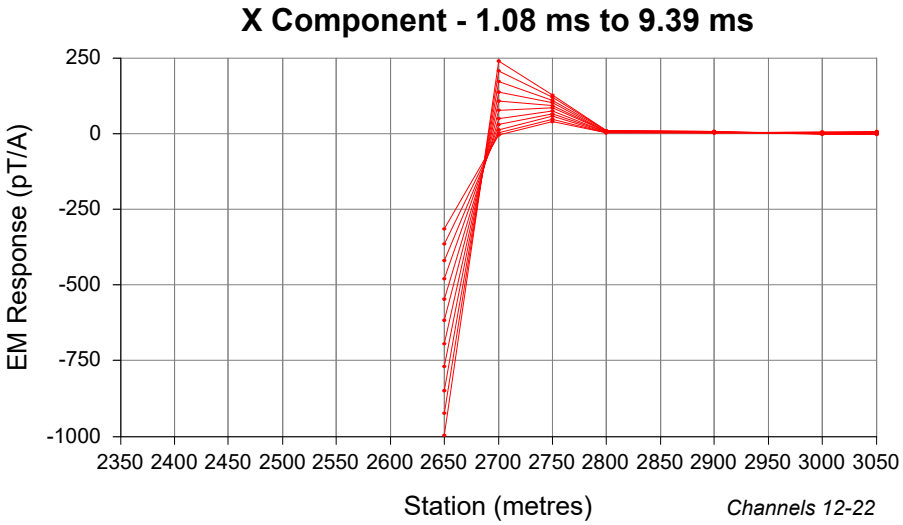

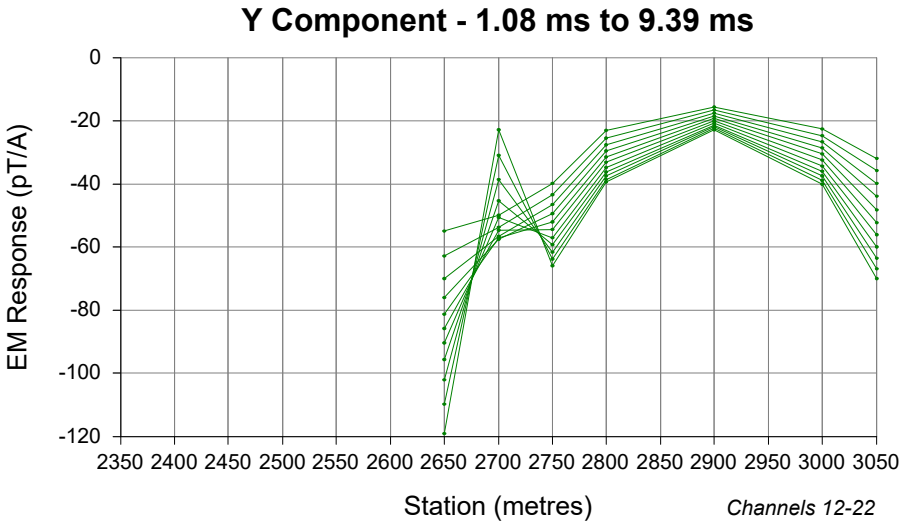

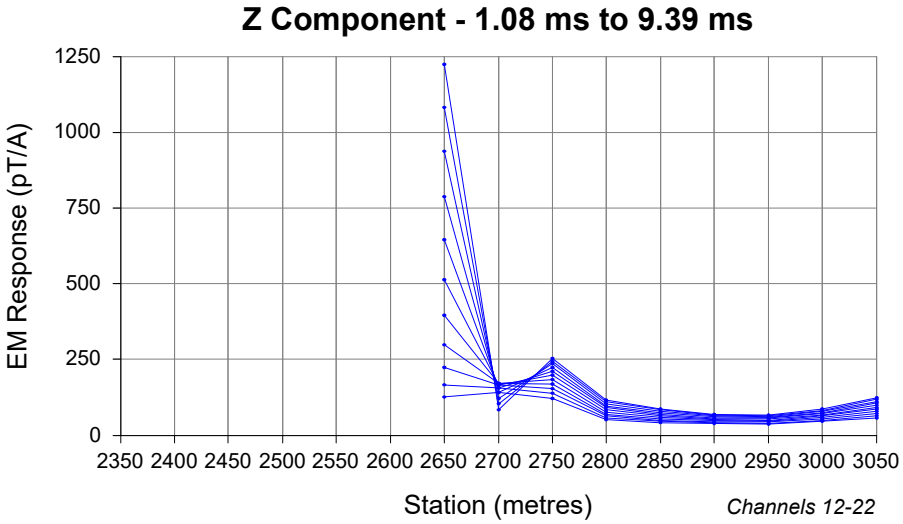

SURVEY PARAMETERS

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Station Spacing	: 0-50 m

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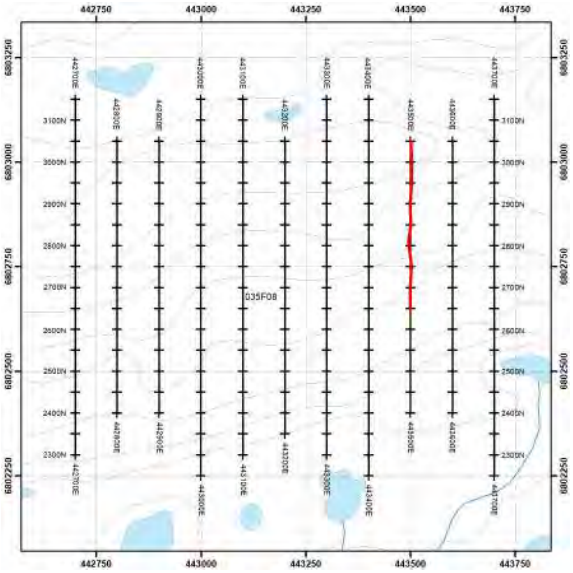

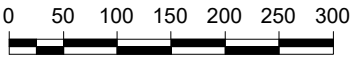

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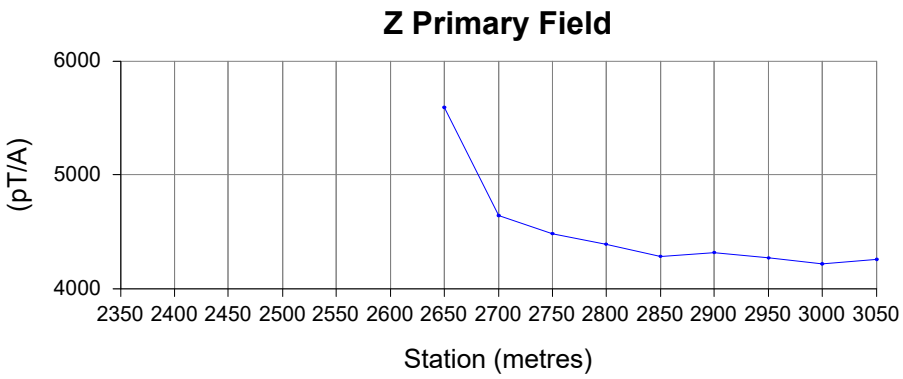

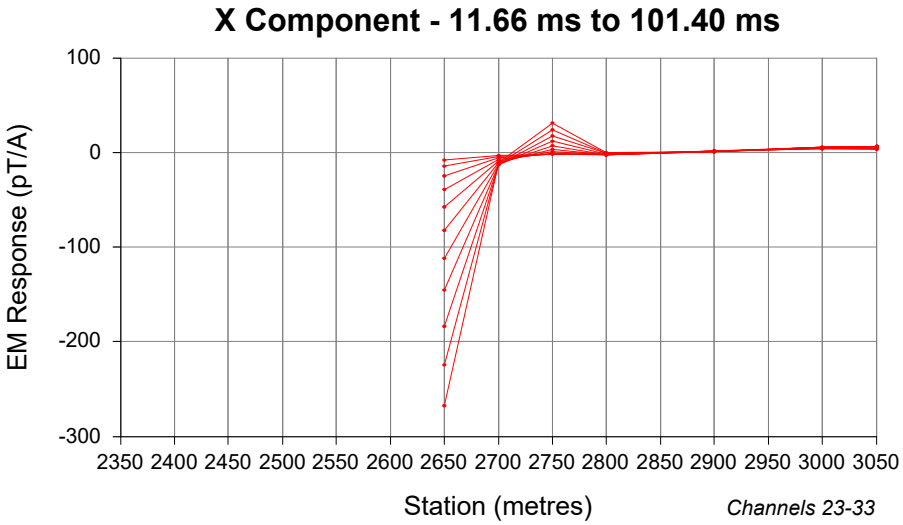

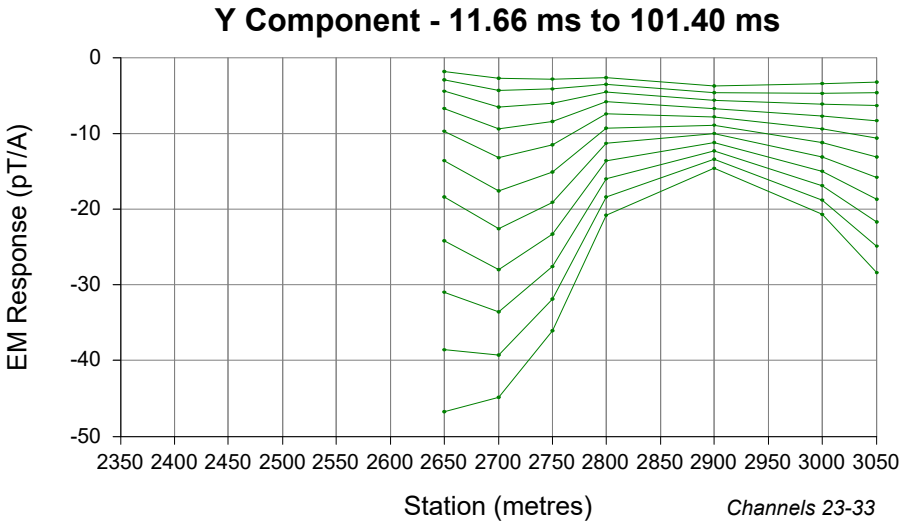

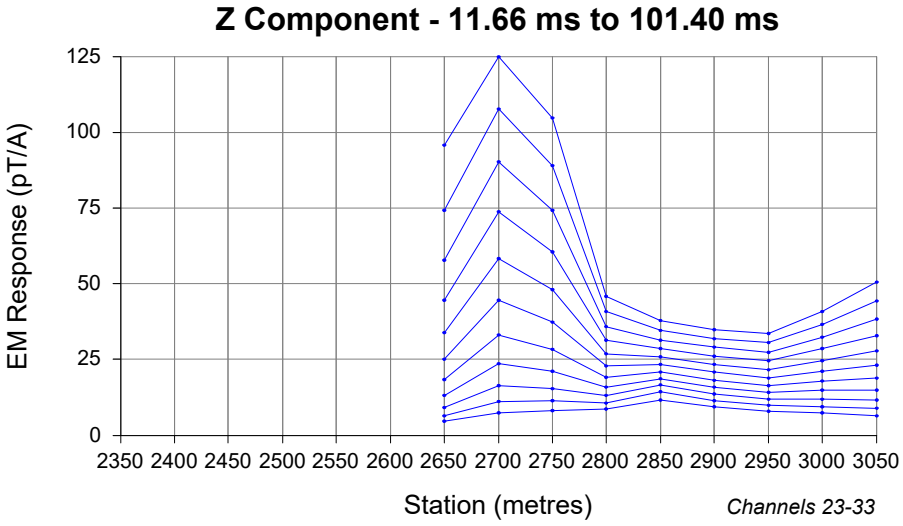

SURVEY PARAMETERS

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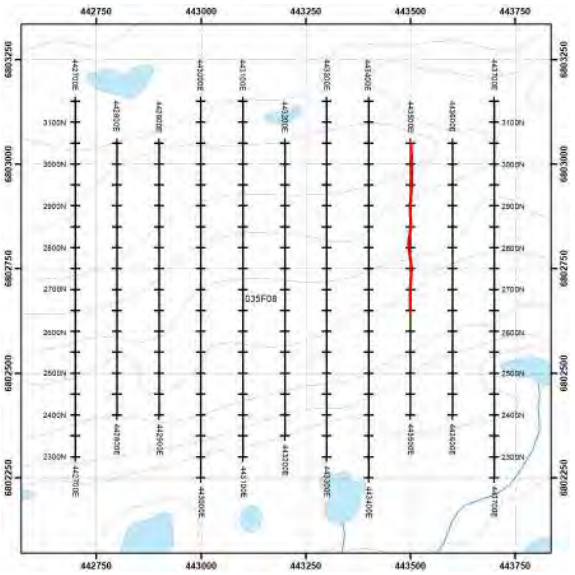

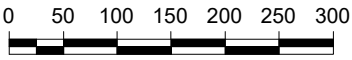

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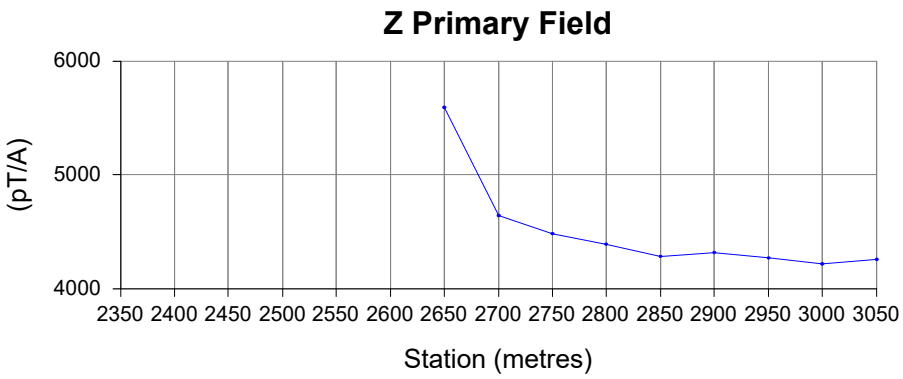

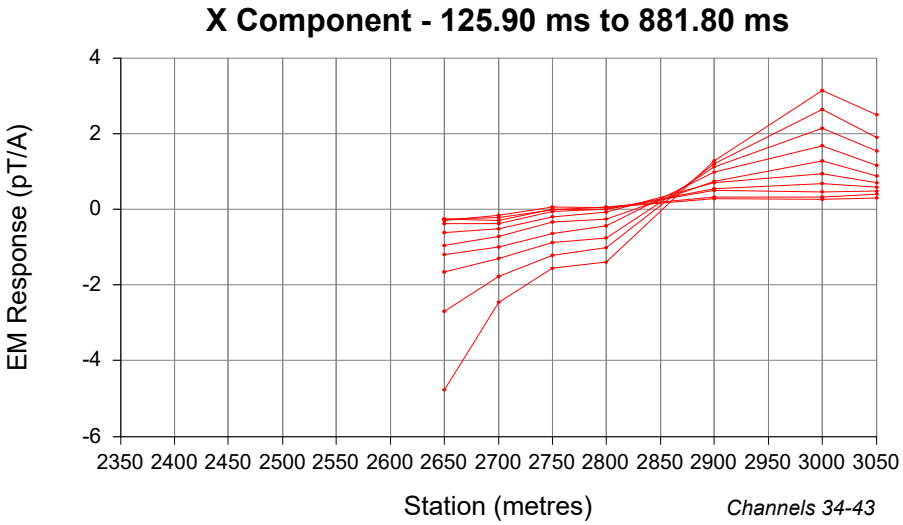

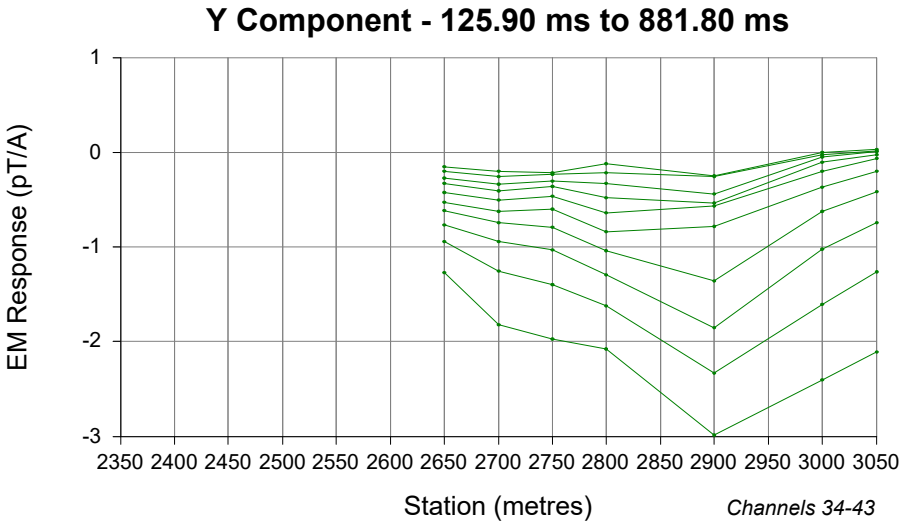

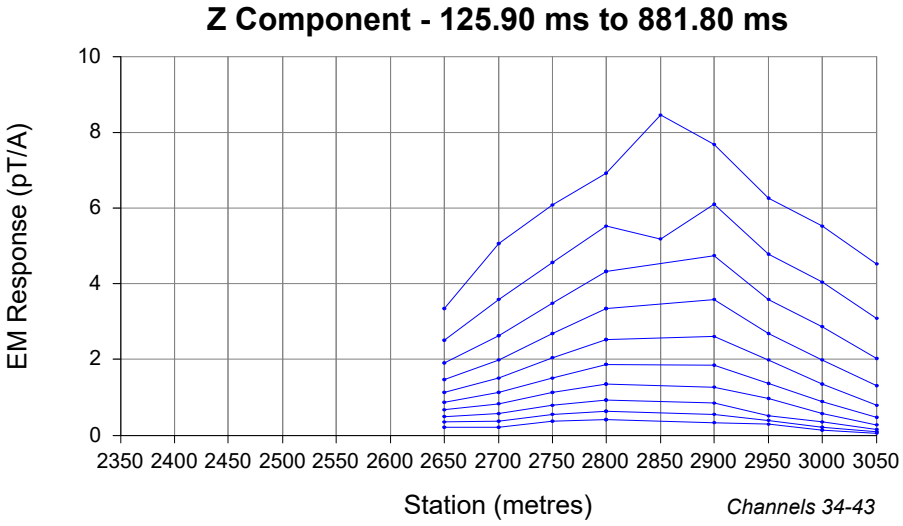

SURVEY PARAMETERS

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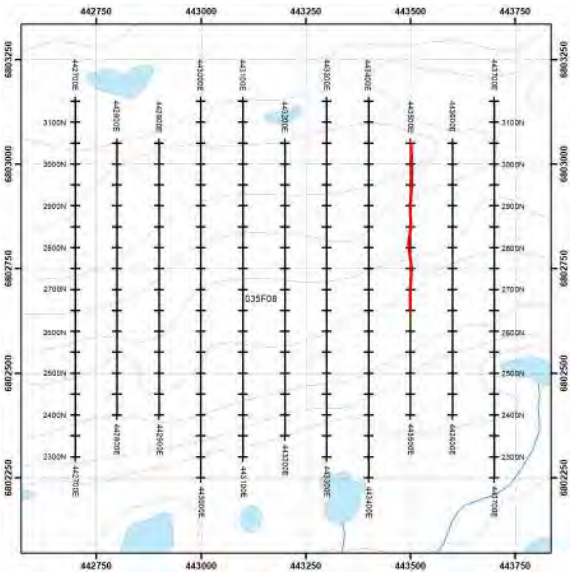

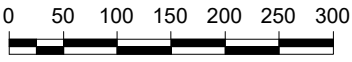

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Orford Mining Corp.
West Raglan Project
Frontier West Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 443500E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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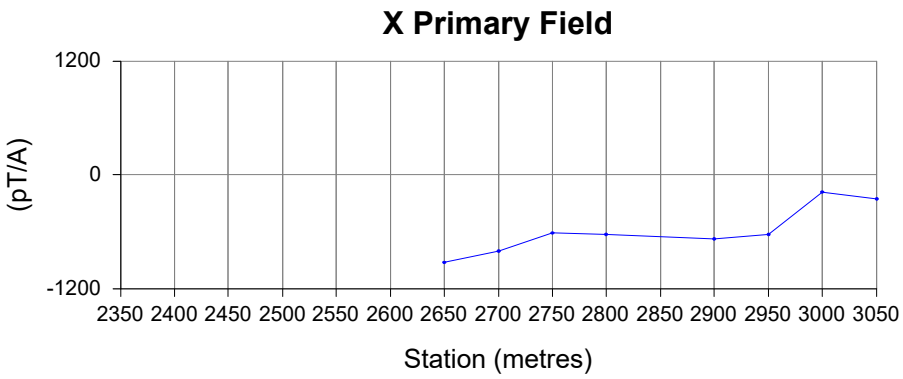
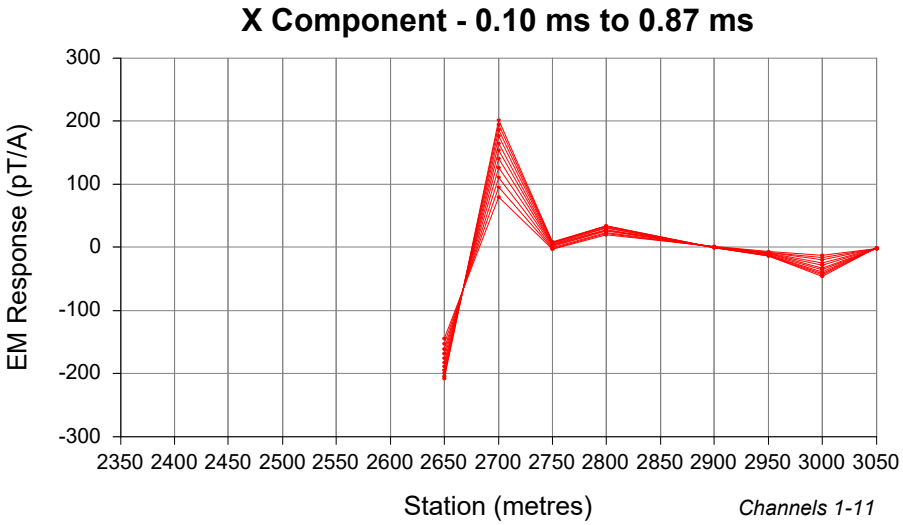
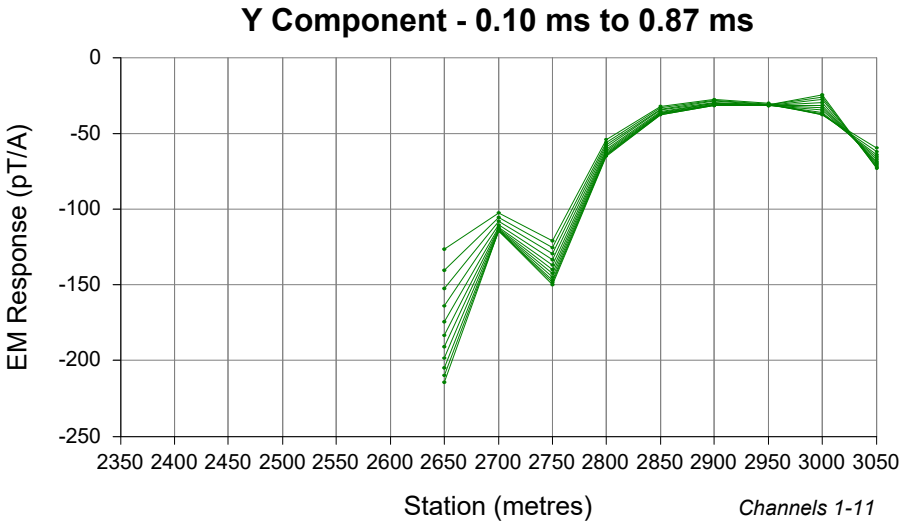
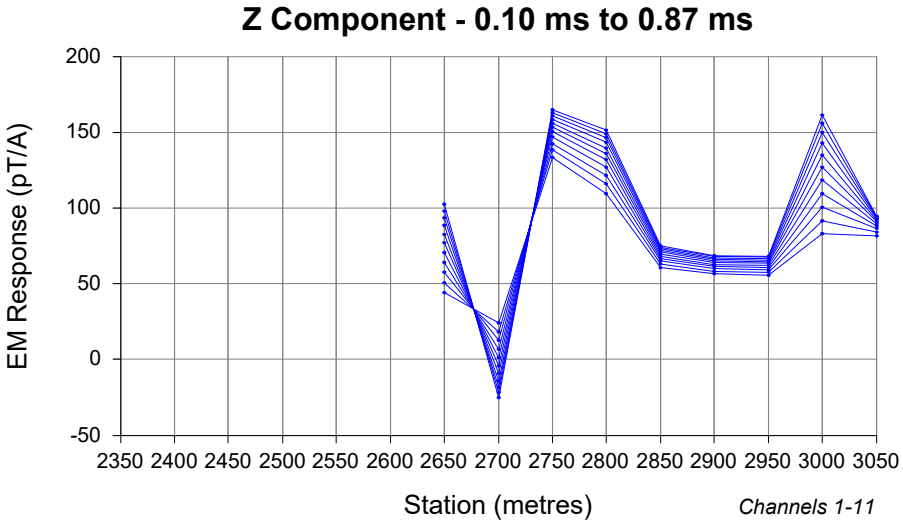
3275 Miners Avenue
Saskatoon, SK, S7K 7Z1
www.discogeo.com









SURVEY PARAMETERS

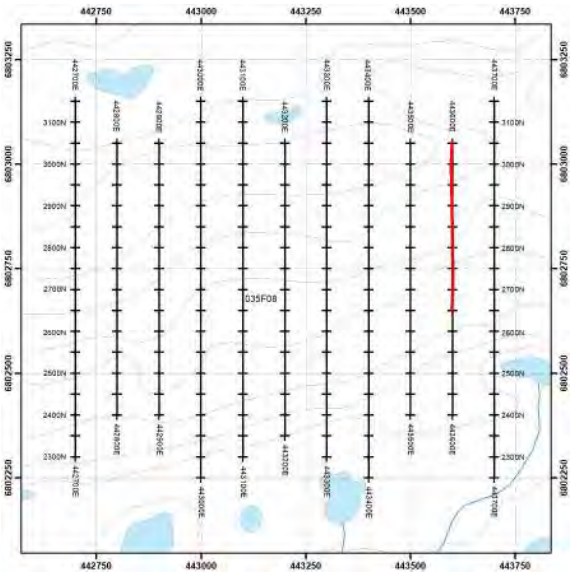
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



Scale 1:7000

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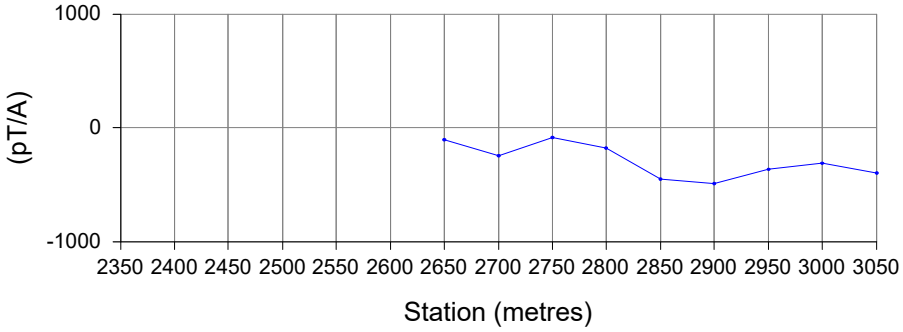
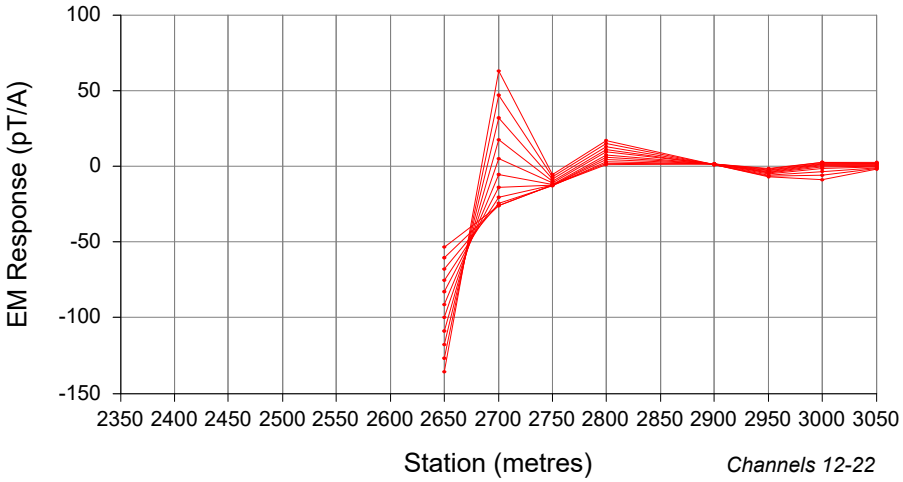
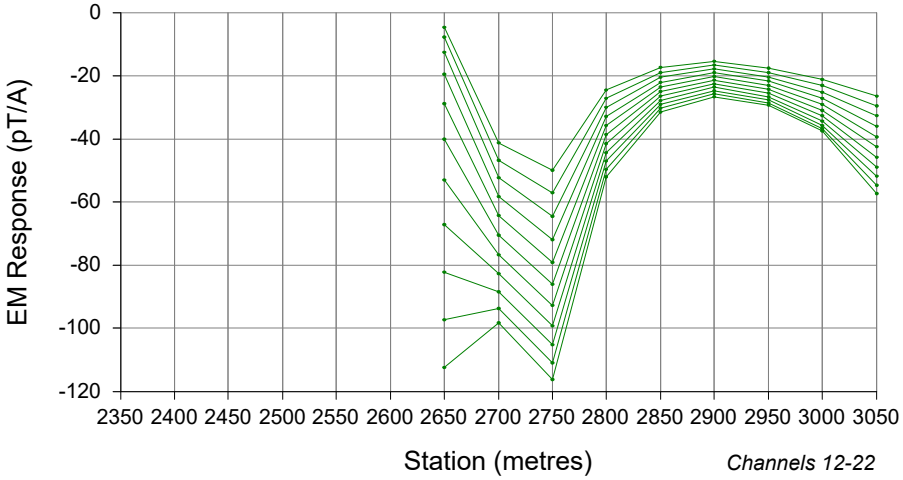
Y Primary Field



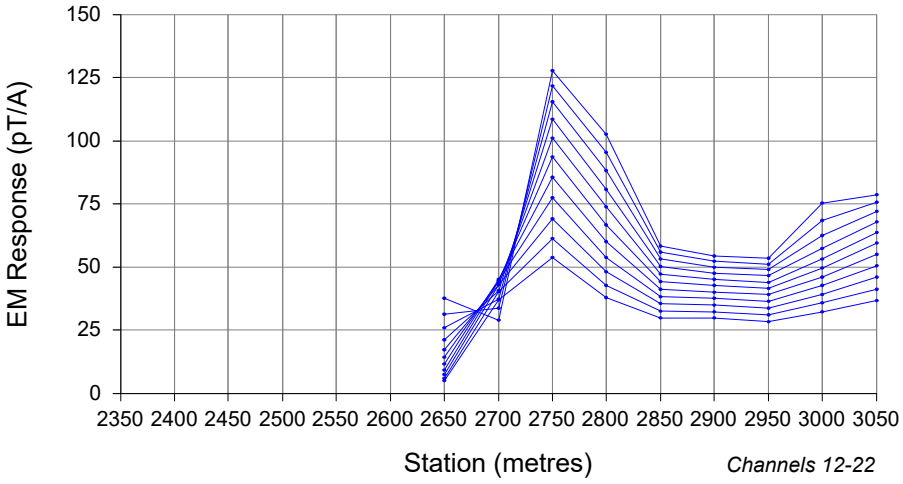
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

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RECEIVER

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Frequency	: 0.25 Hz
Component	: Z, X, Y
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Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
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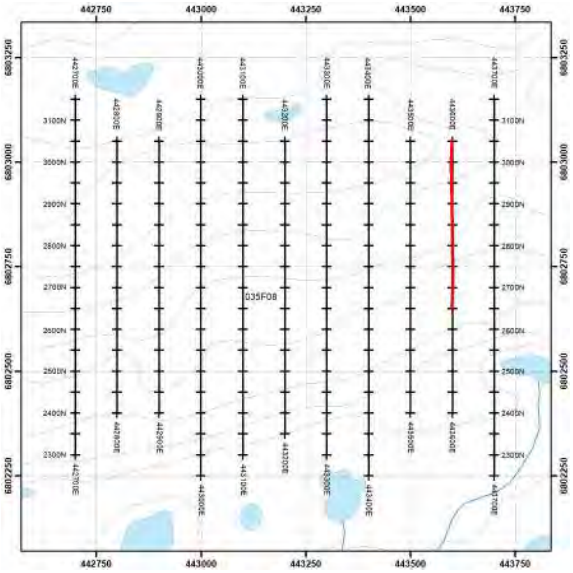
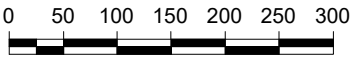
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms





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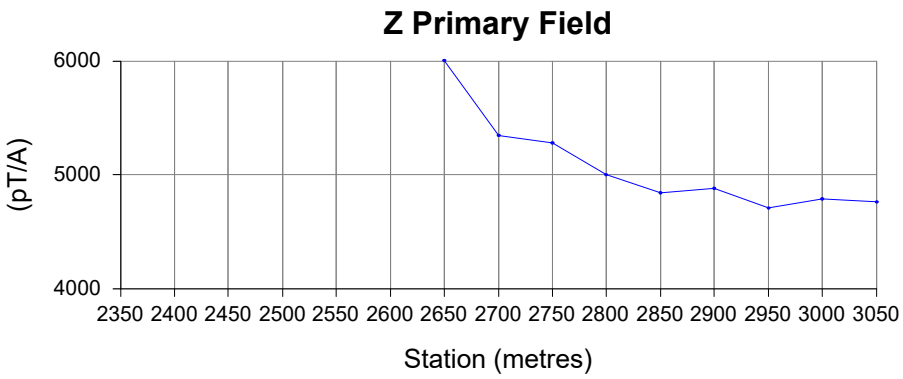

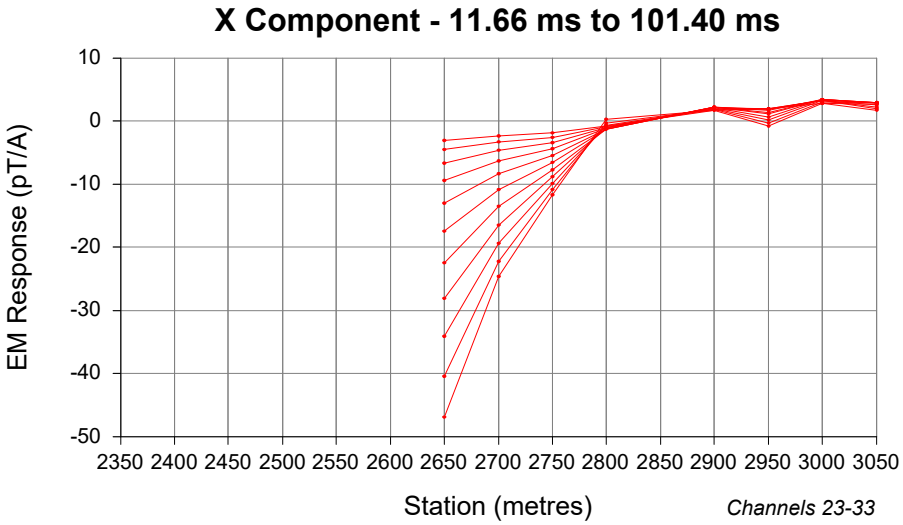

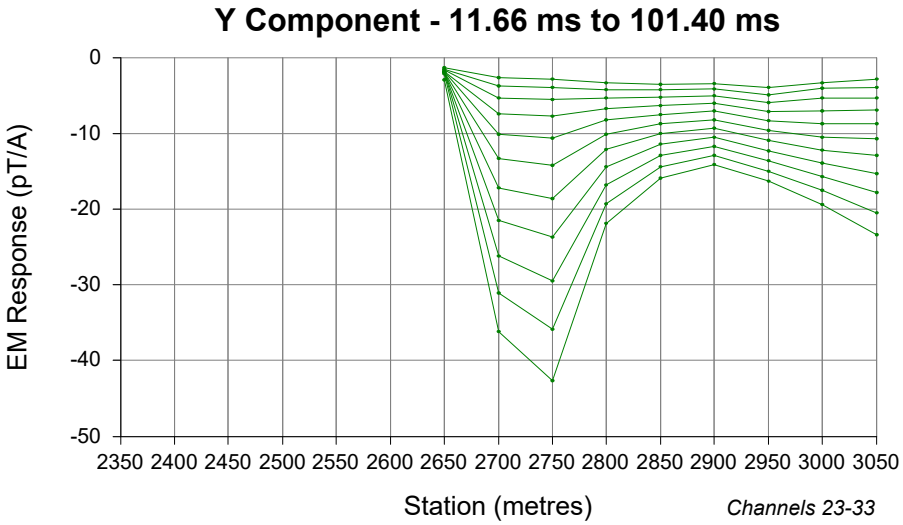

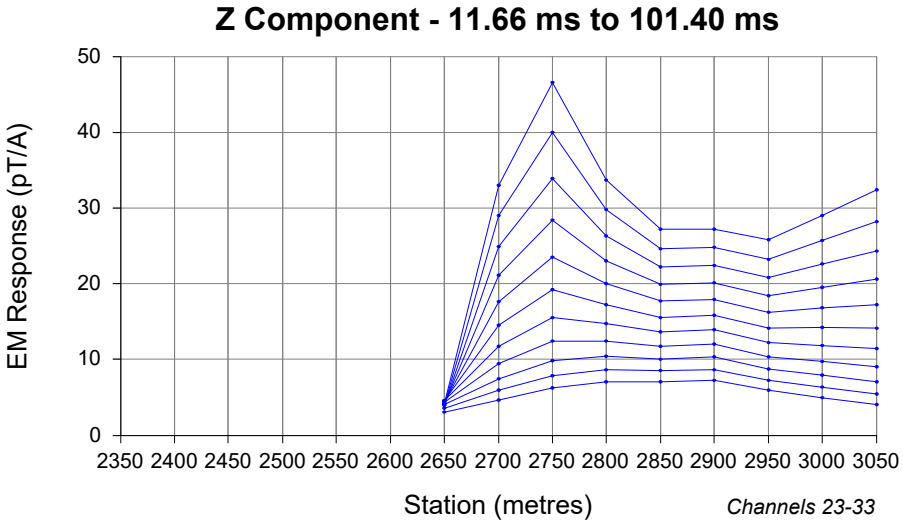

SURVEY PARAMETERS

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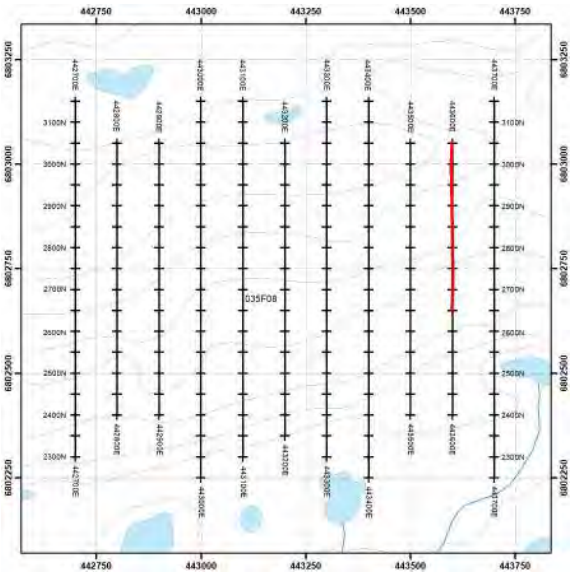

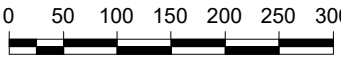

Scale 1:7000

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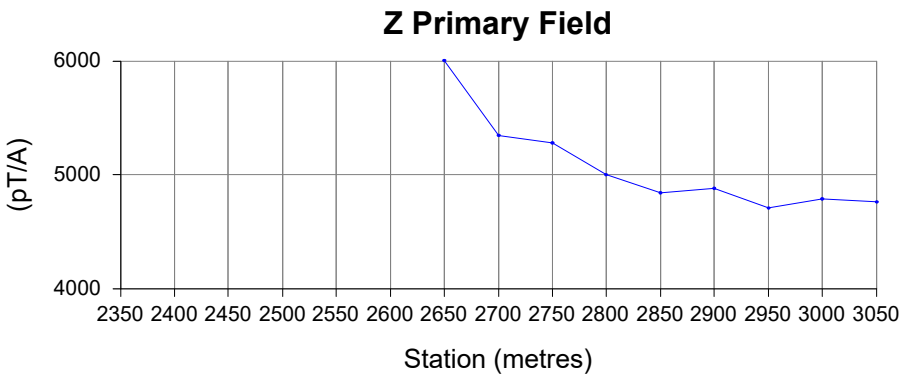

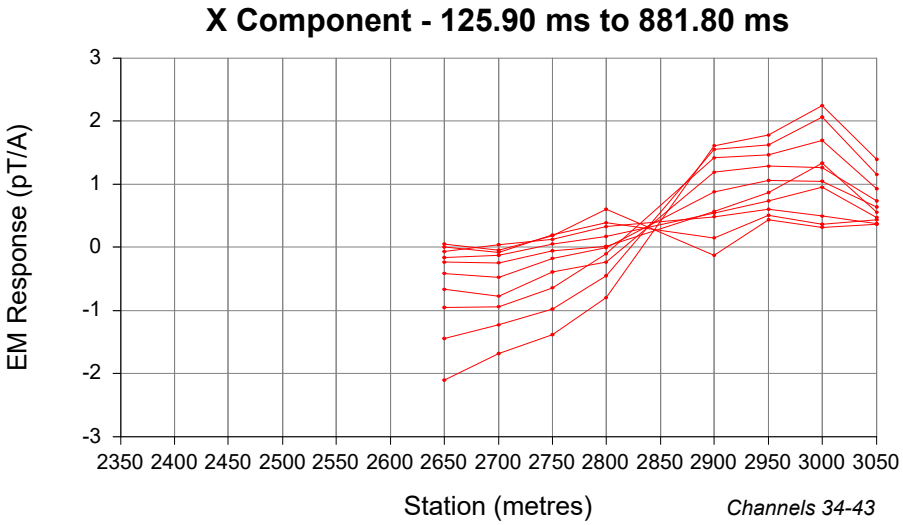

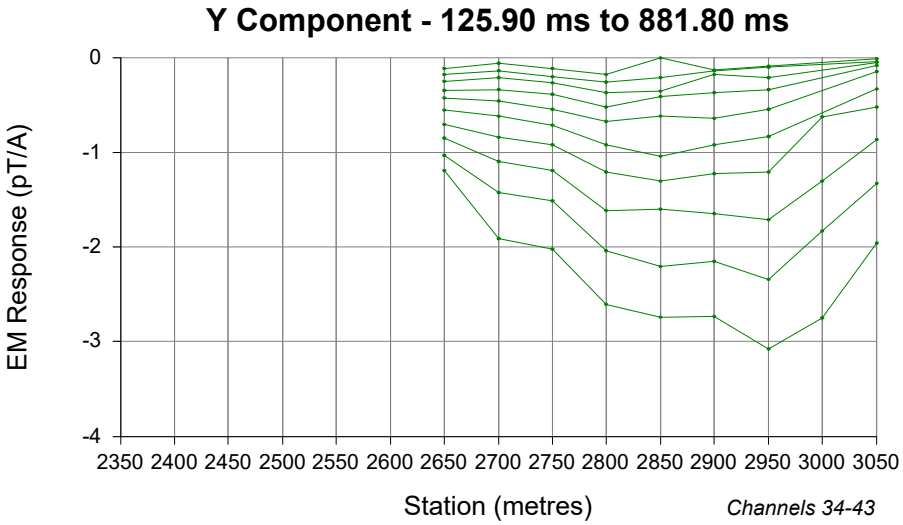

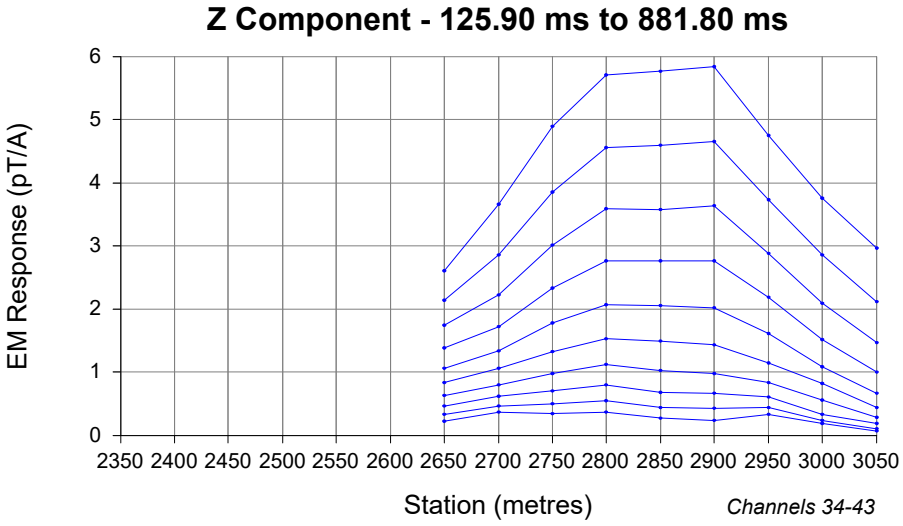

SURVEY PARAMETERS

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Component	: Z, X, Y
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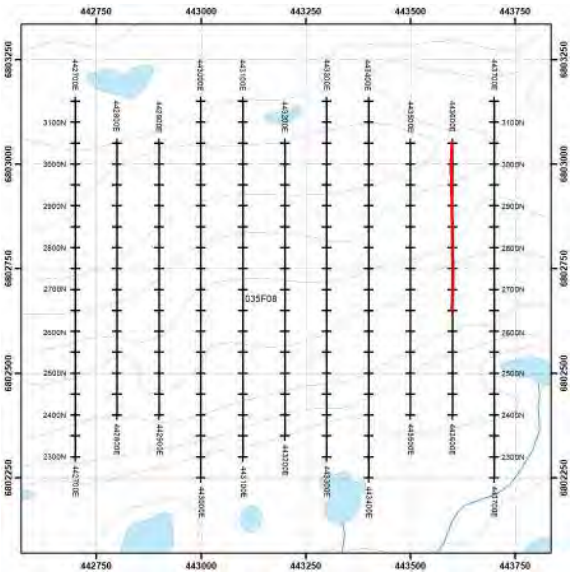
TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 50.0 A
Turn Off	: 0.500 ms



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Scale 1:7000

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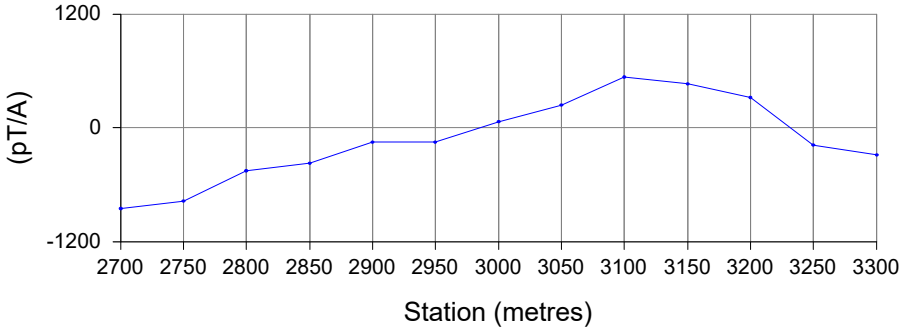
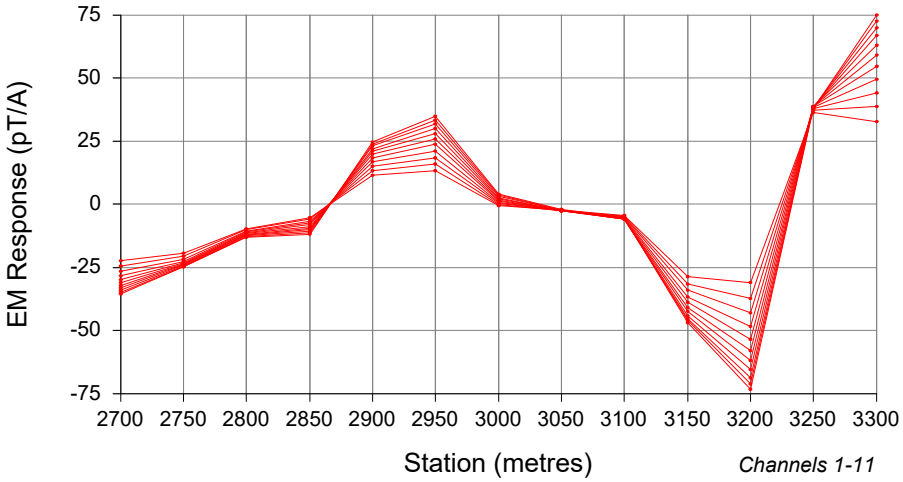
APPENDIX F – FRONTIER EAST CENTER MLTEM PROFILE PLOTS

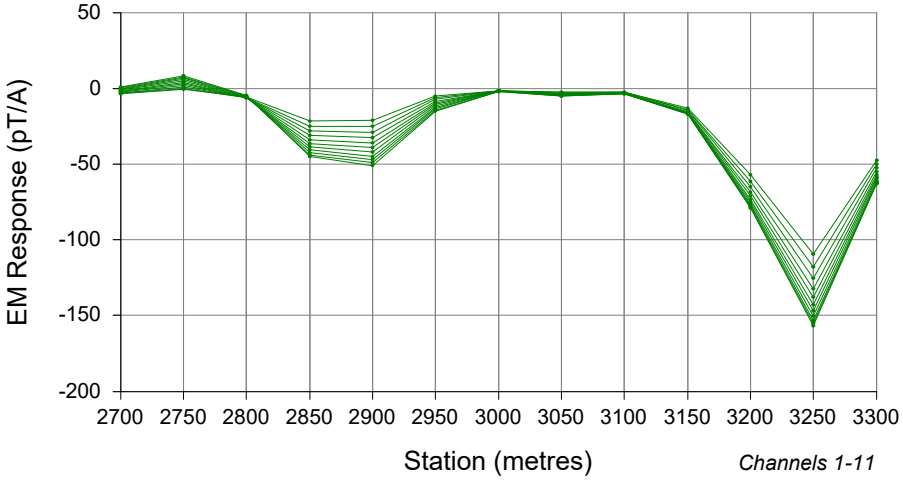
X Primary Field



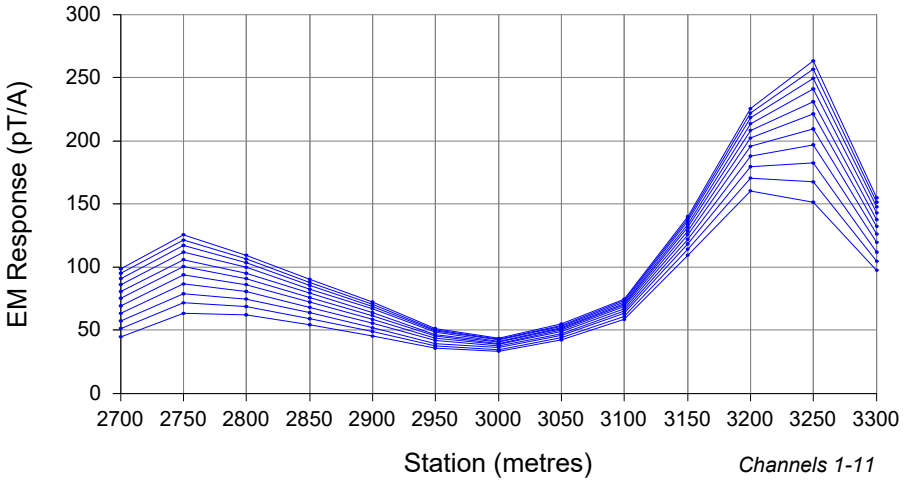
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

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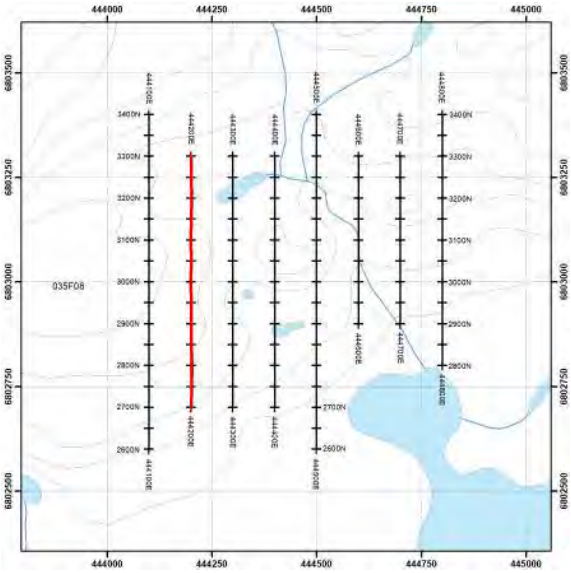
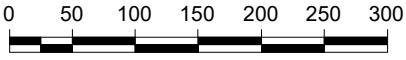
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444200E

Surveyed By: Joseph Cook
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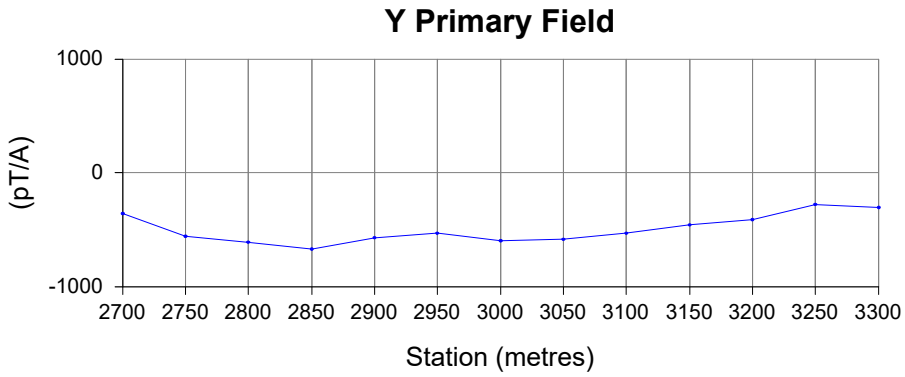

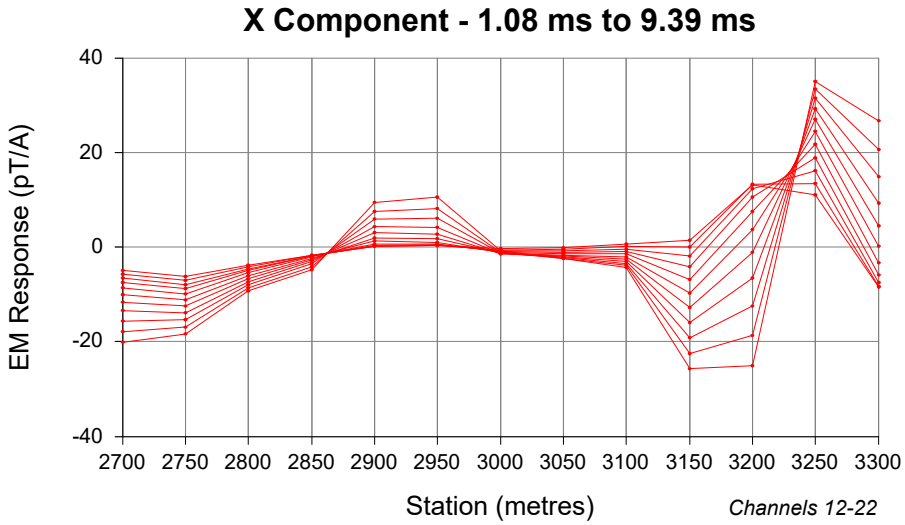

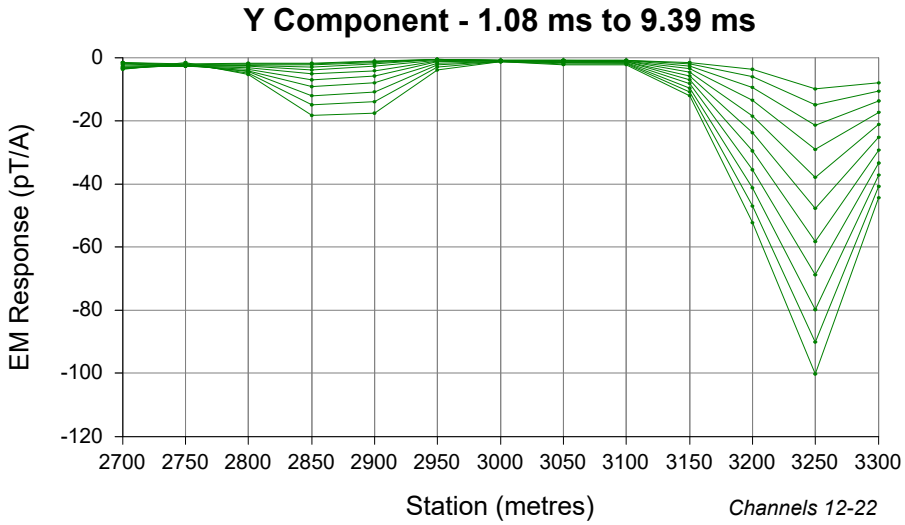

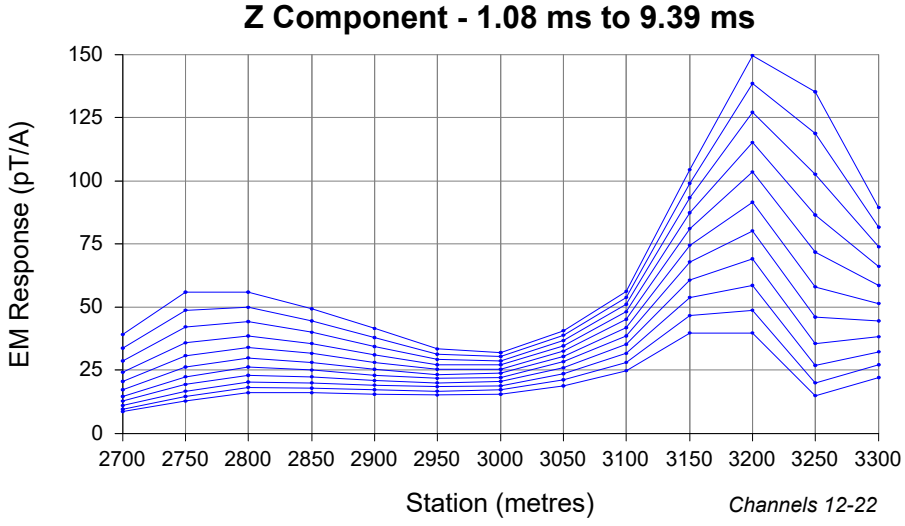

SURVEY PARAMETERS

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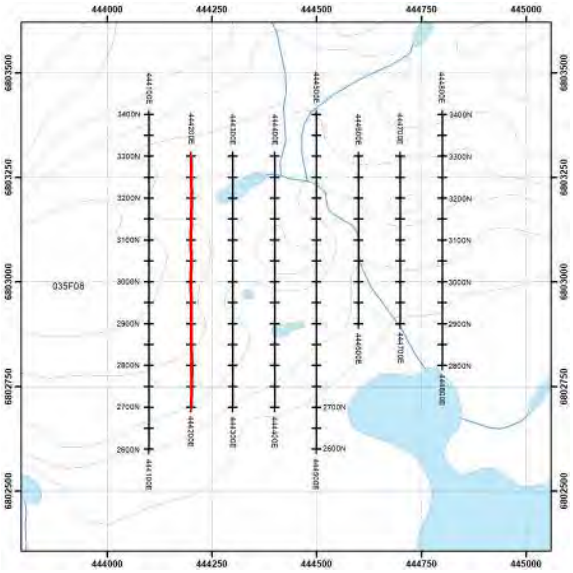

Scale 1:6000

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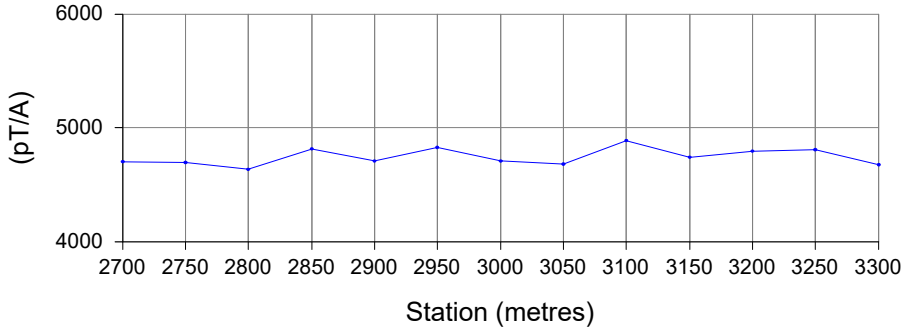
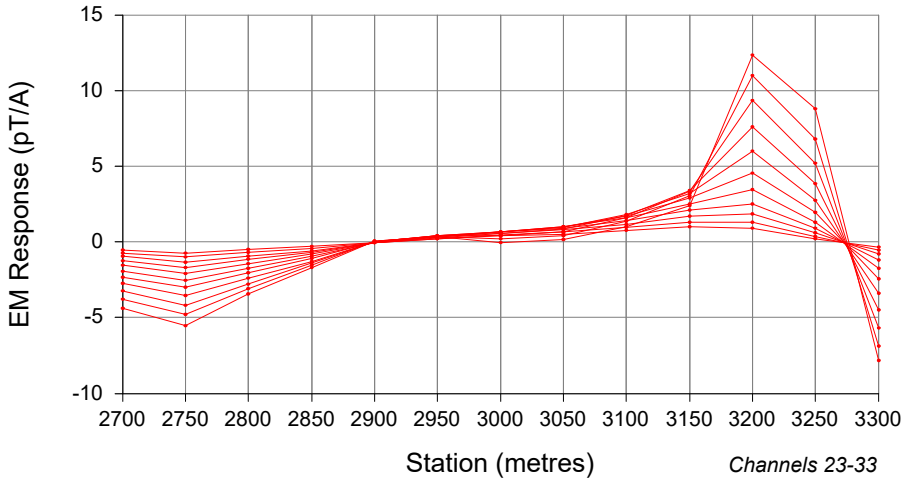
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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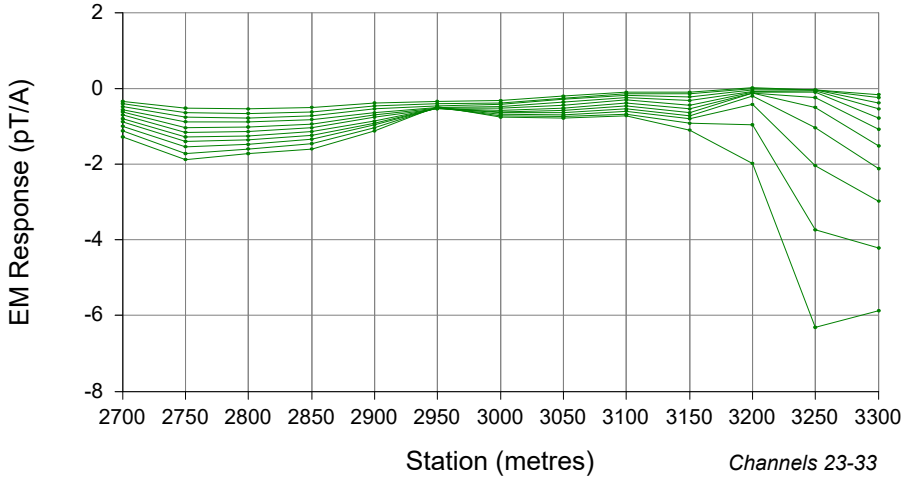

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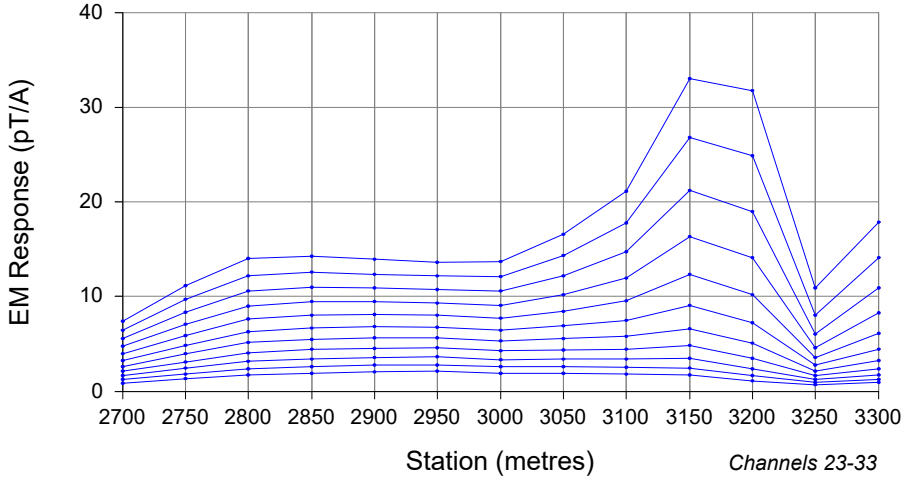

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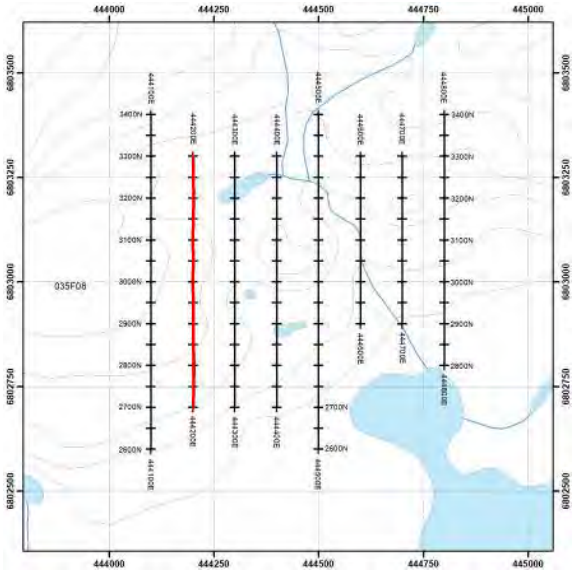

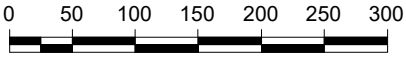

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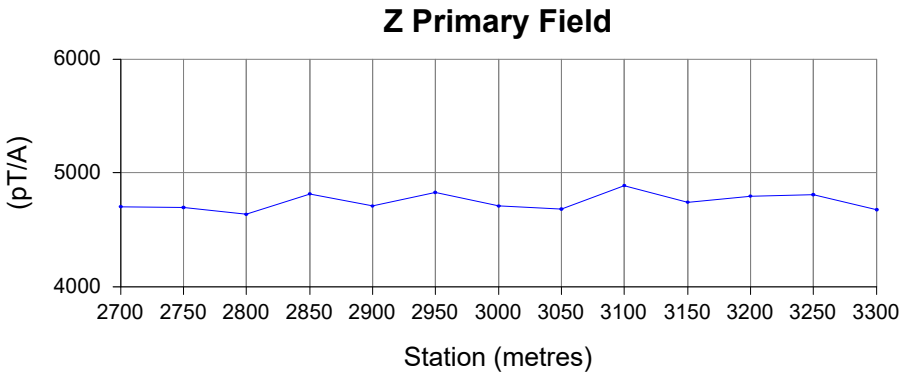

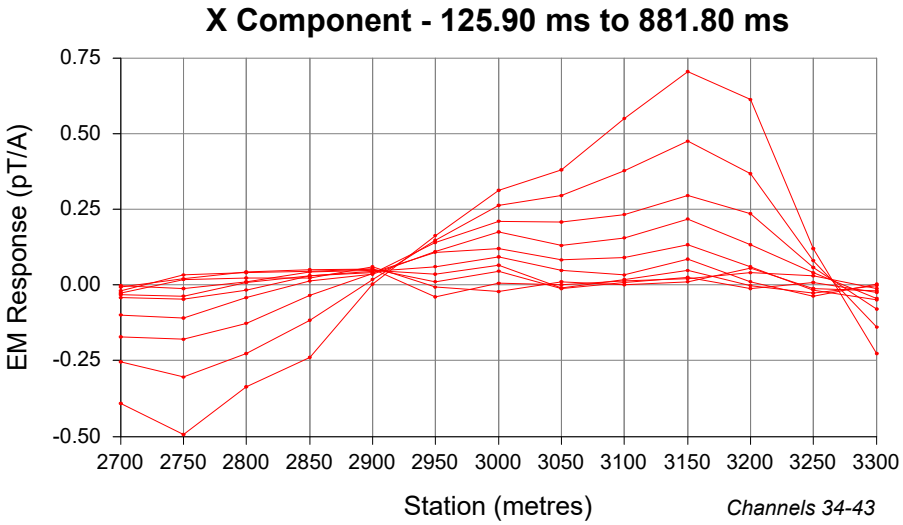

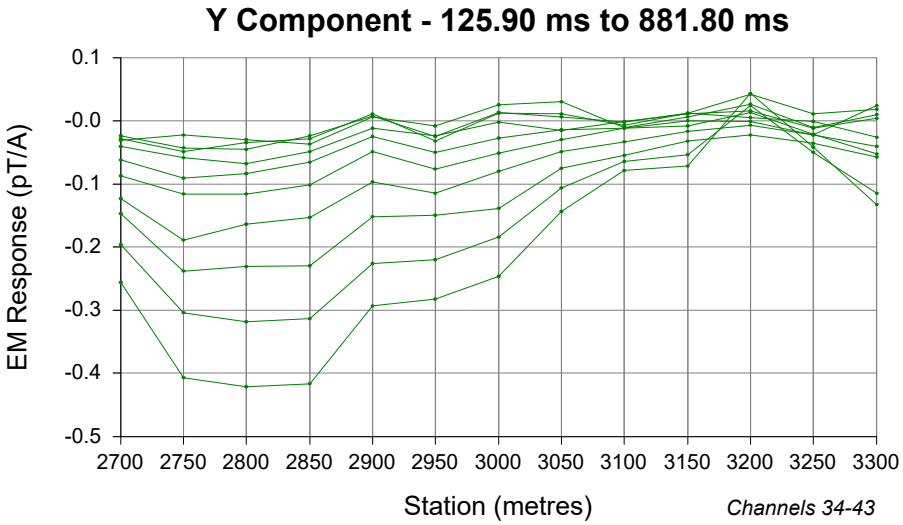

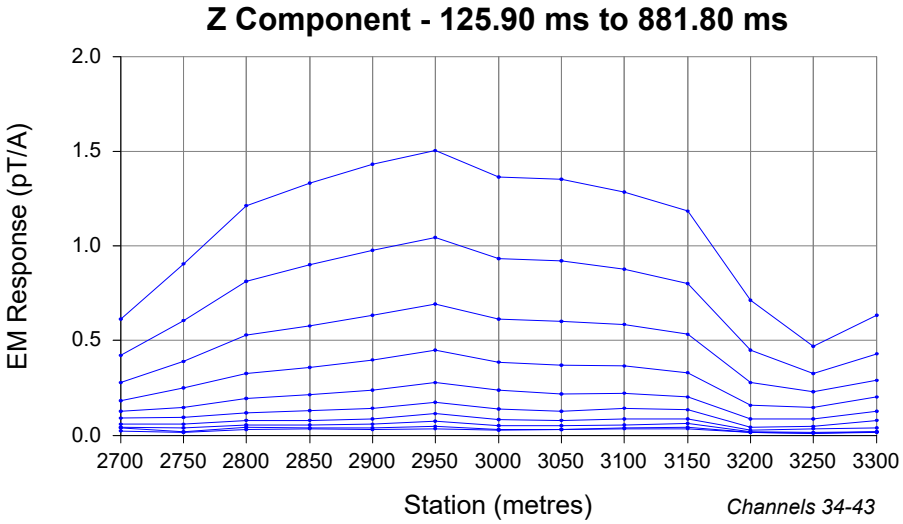

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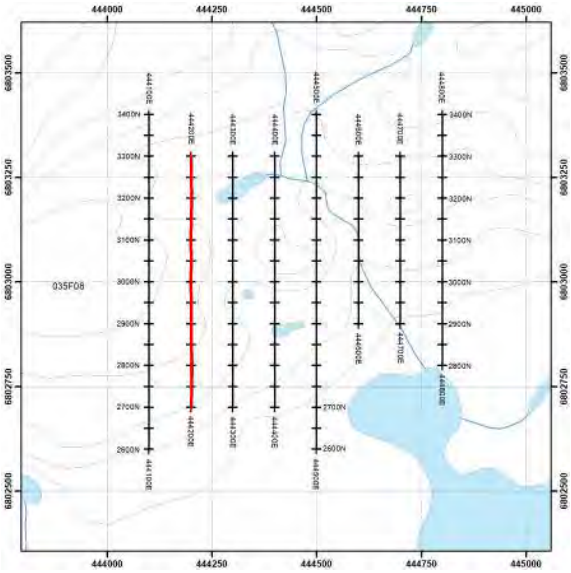
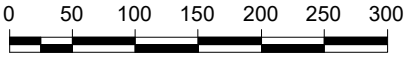
Tx Current	: 46.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444200E

Surveyed By: Joseph Cook
Survey Date: July 2021

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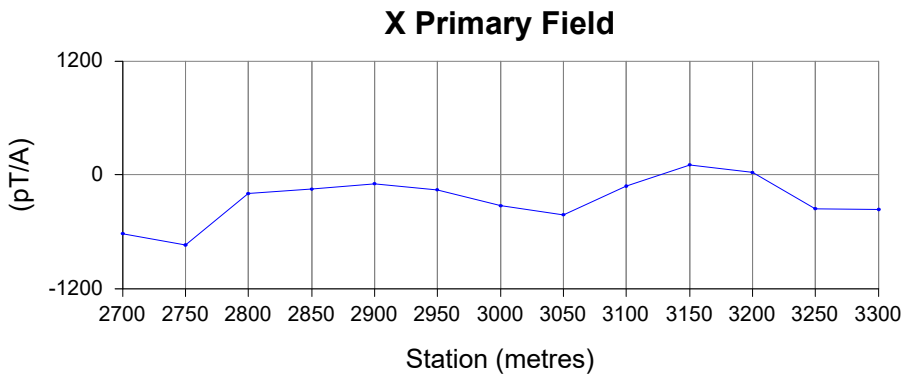
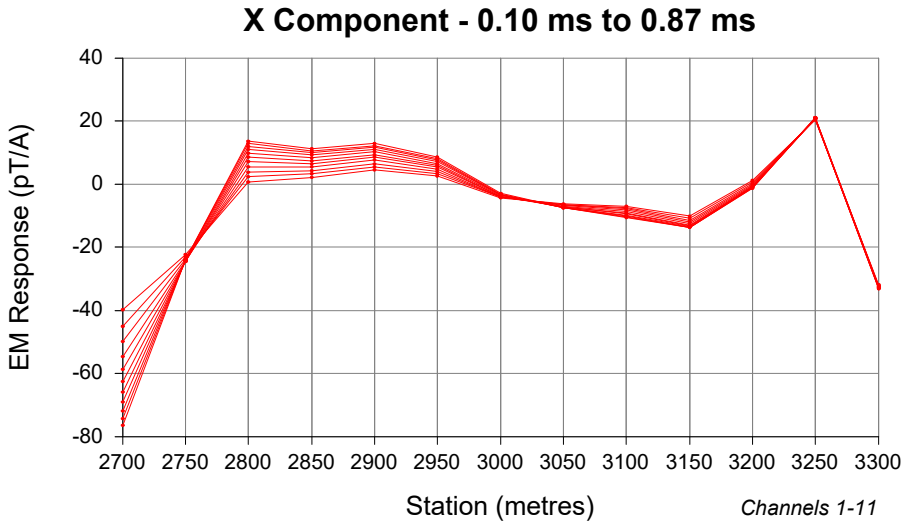
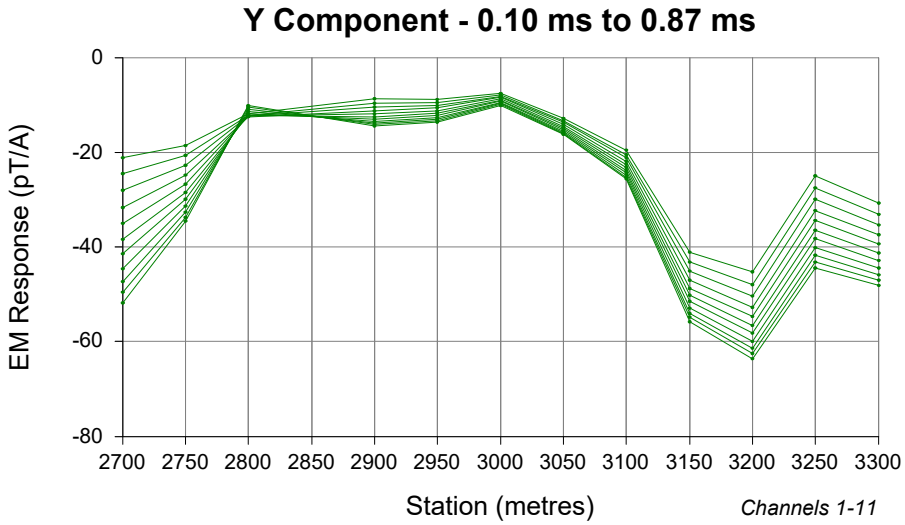
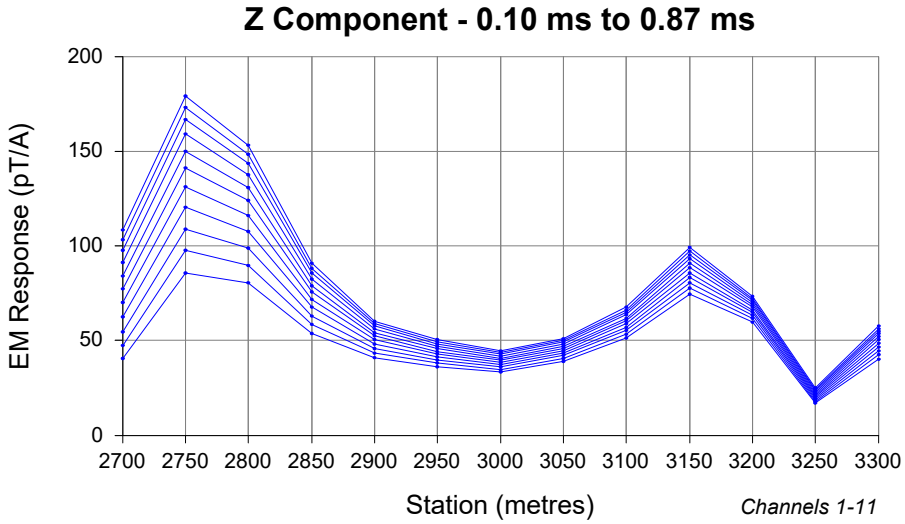








SURVEY PARAMETERS

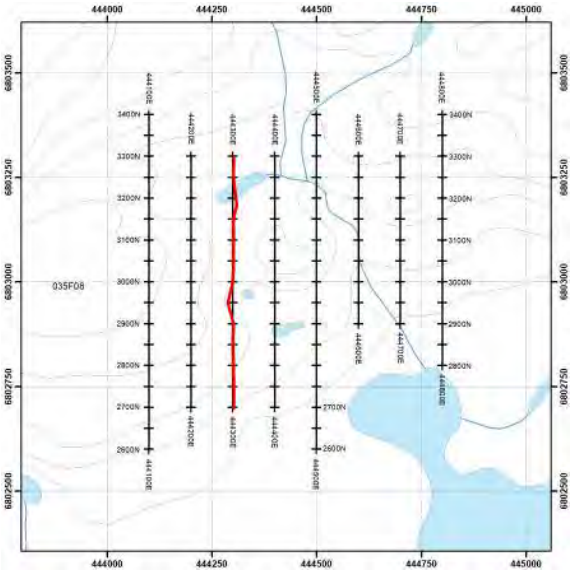
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444300E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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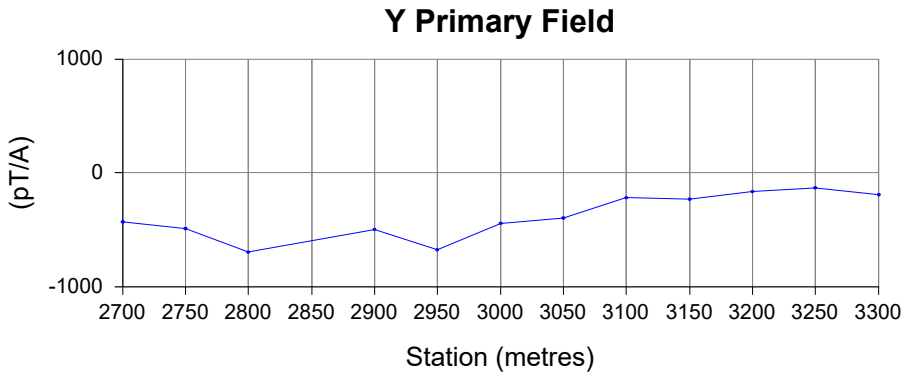
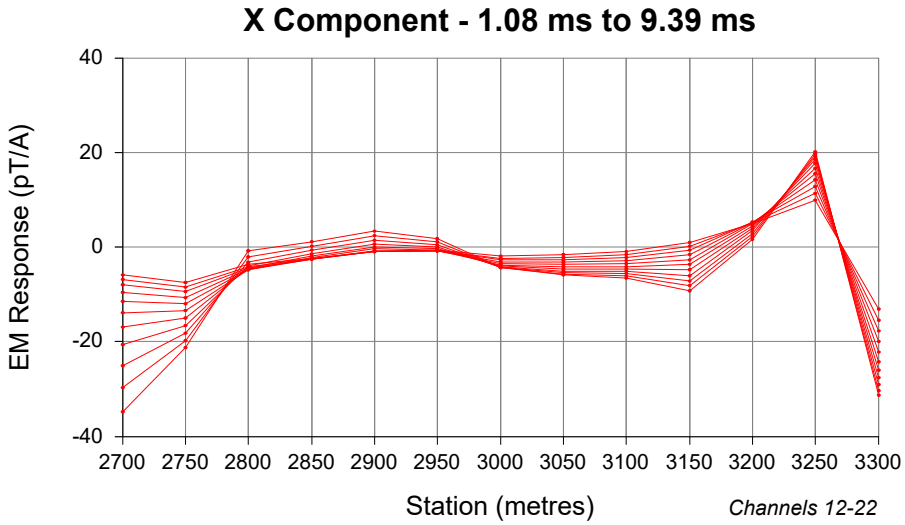
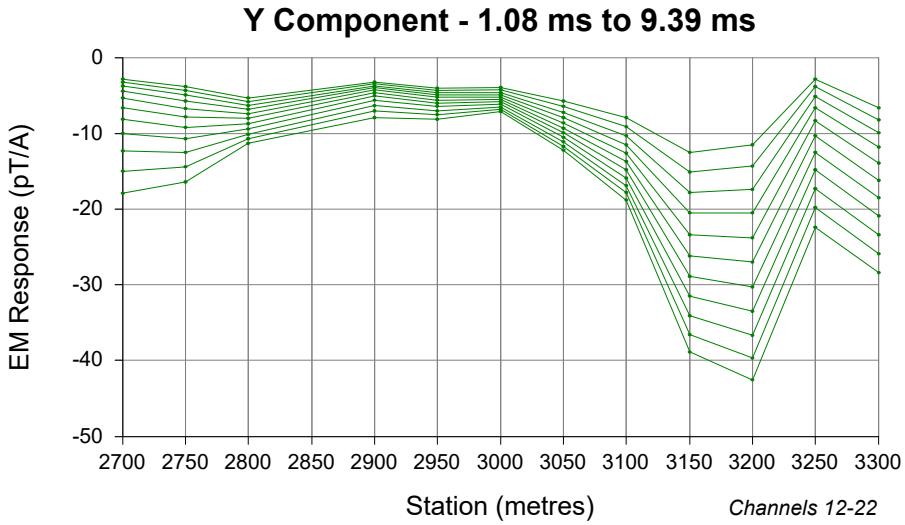
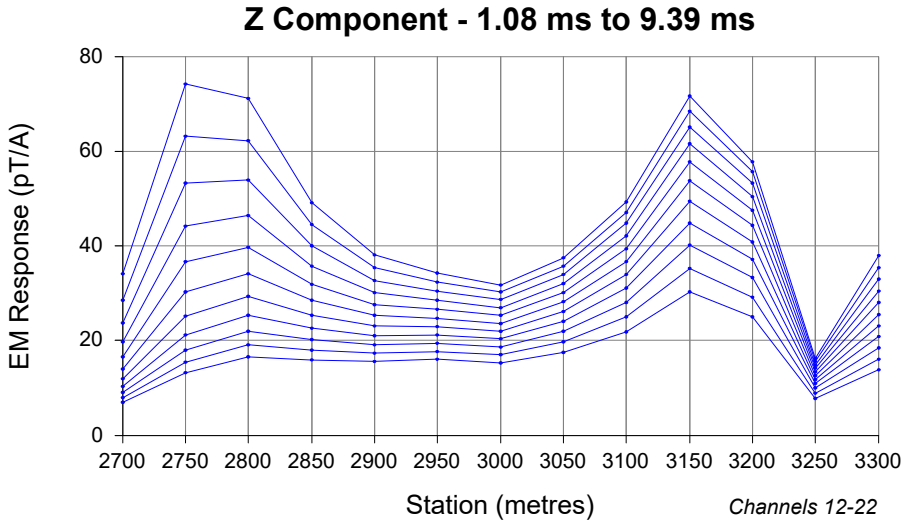








SURVEY PARAMETERS

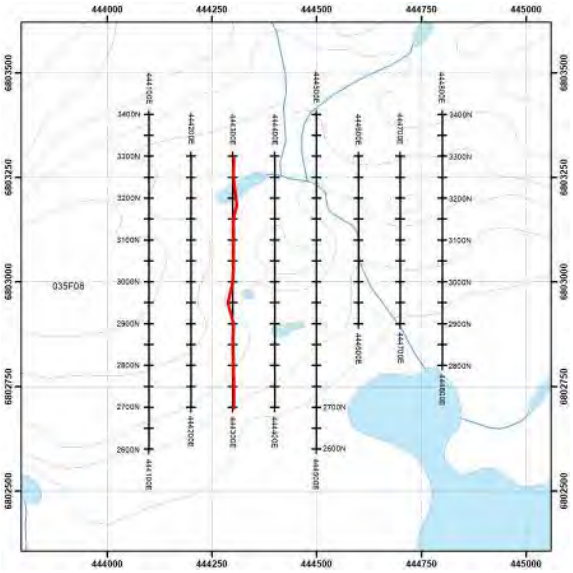
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444300E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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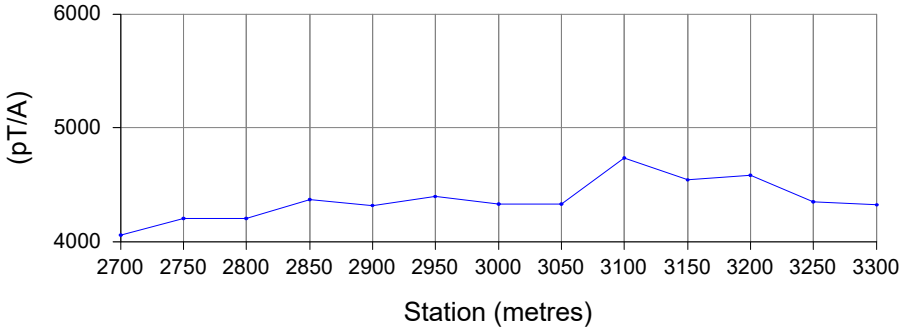
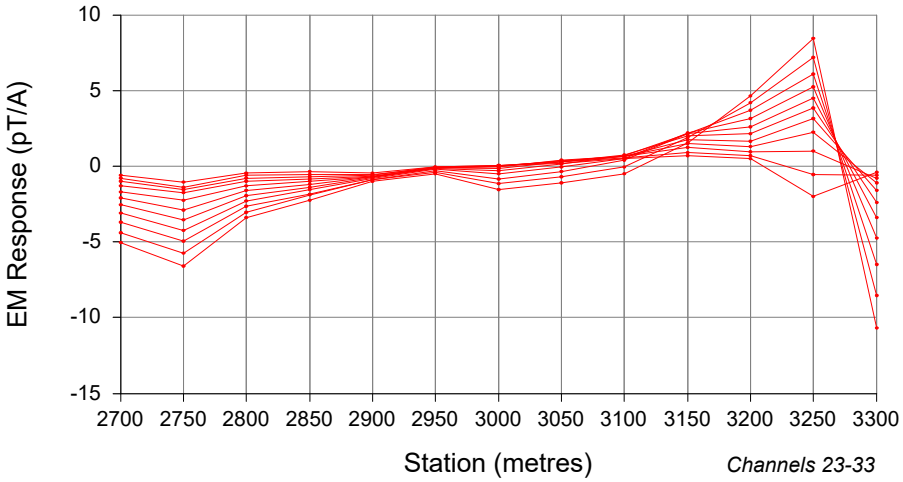
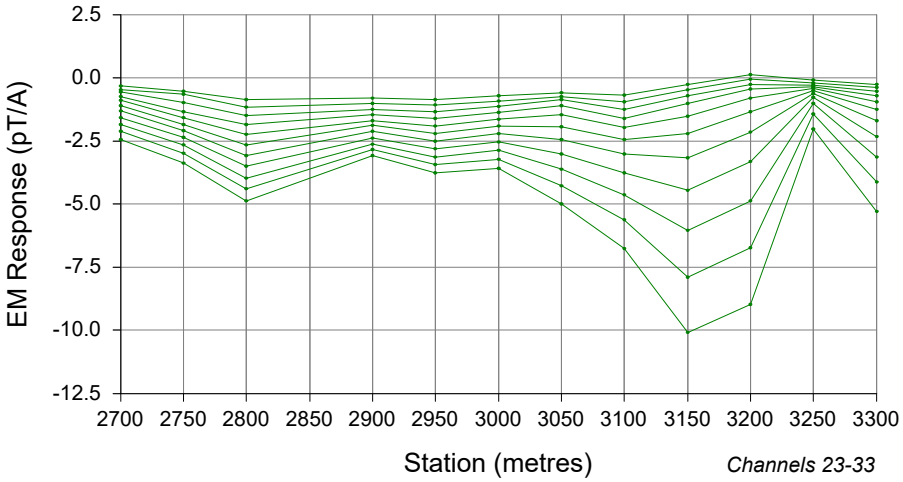
Z Primary Field



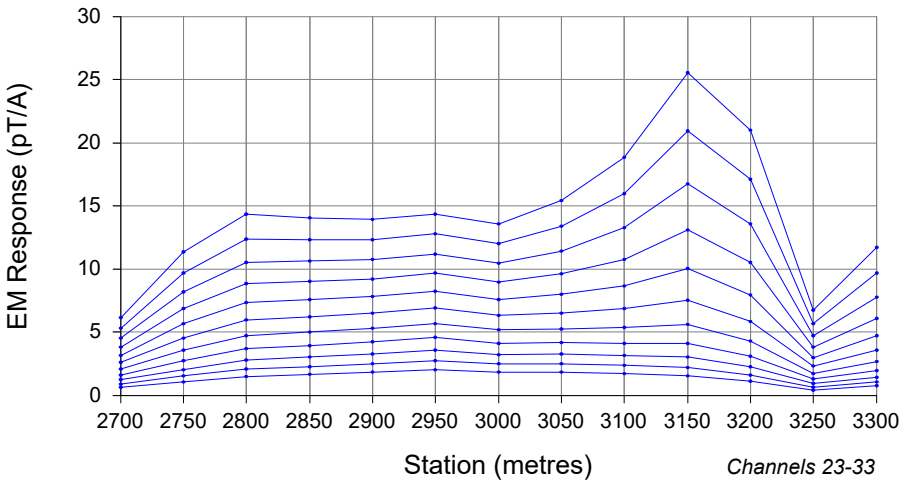
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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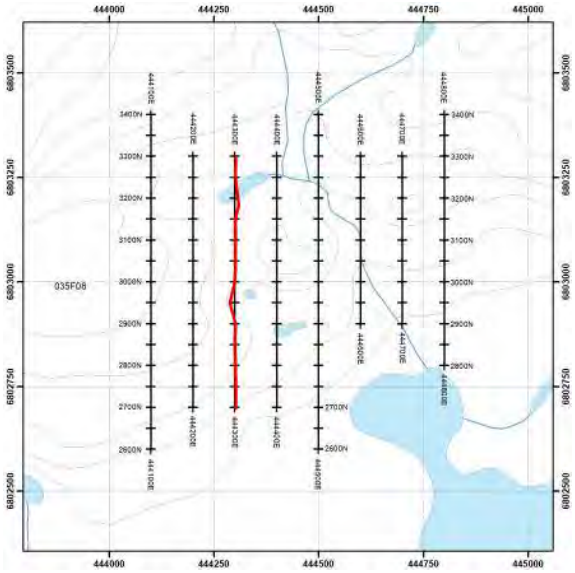
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms



0 50 100 150 200 250 300

Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444300E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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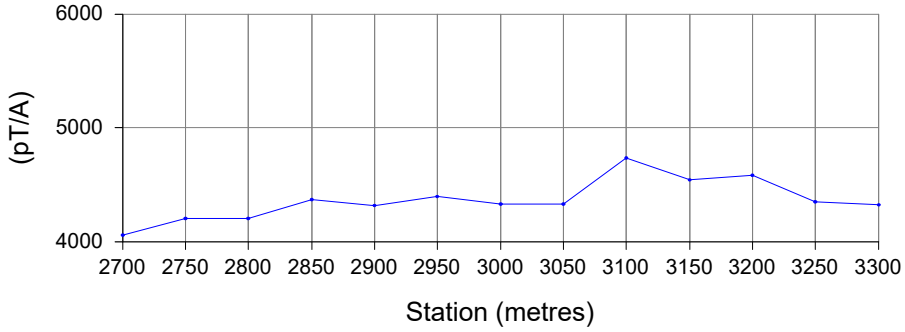
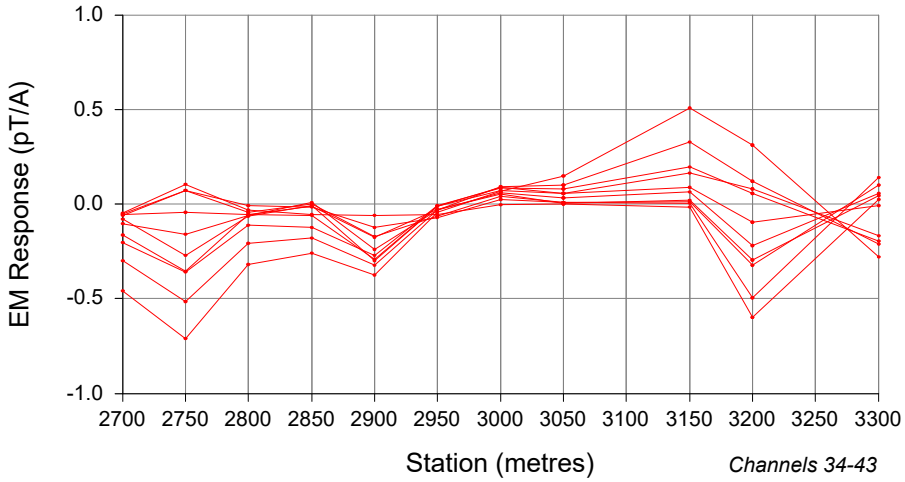
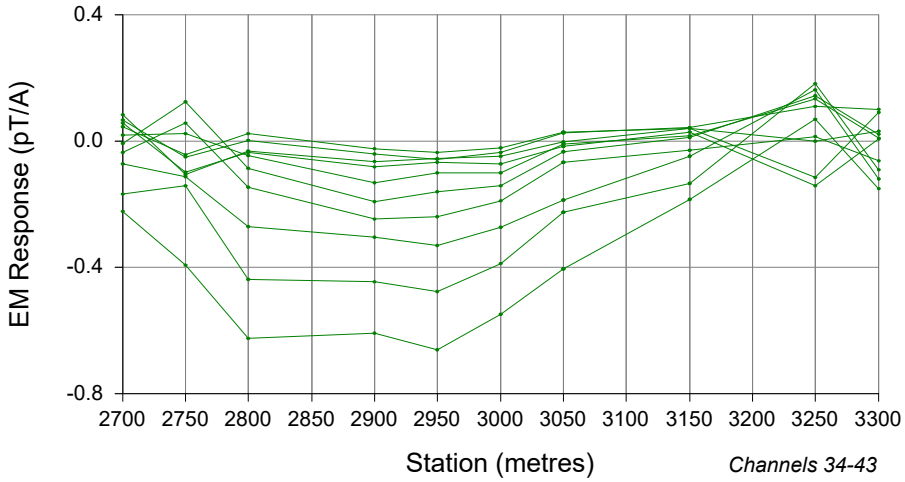
Z Primary Field



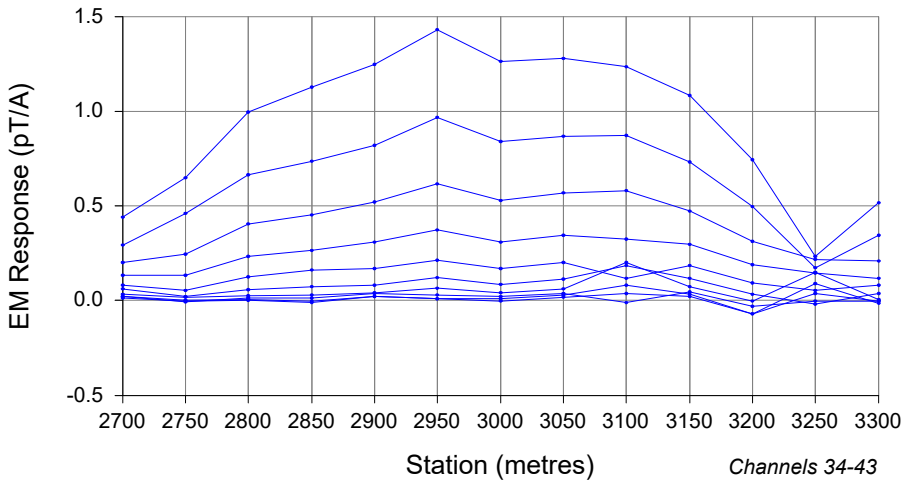
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

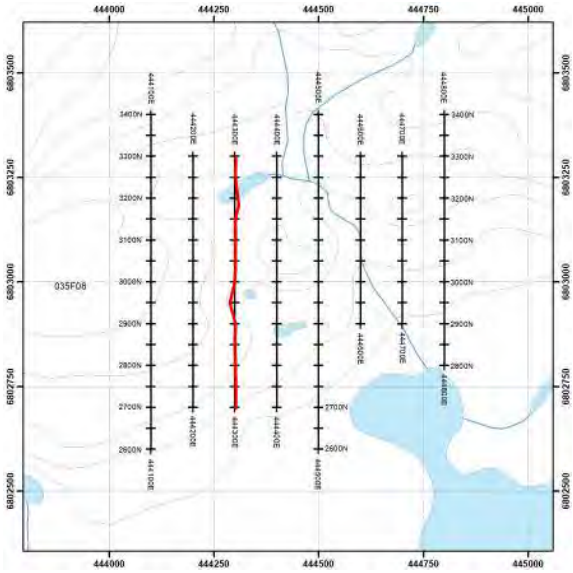
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

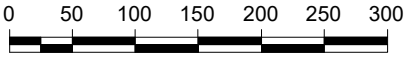
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD4133

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444300E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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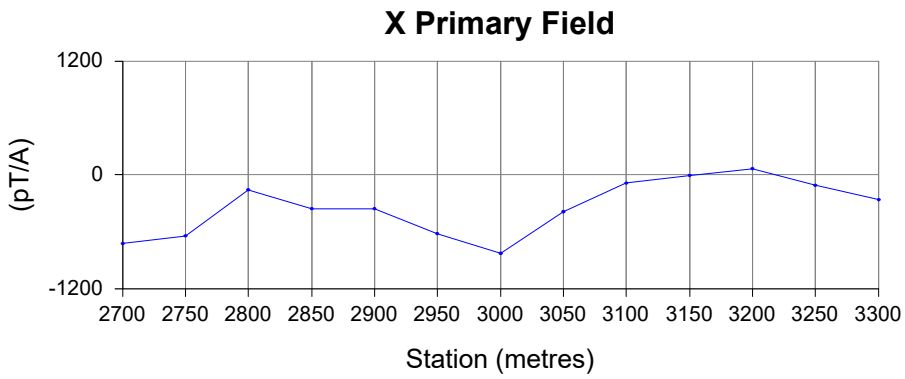
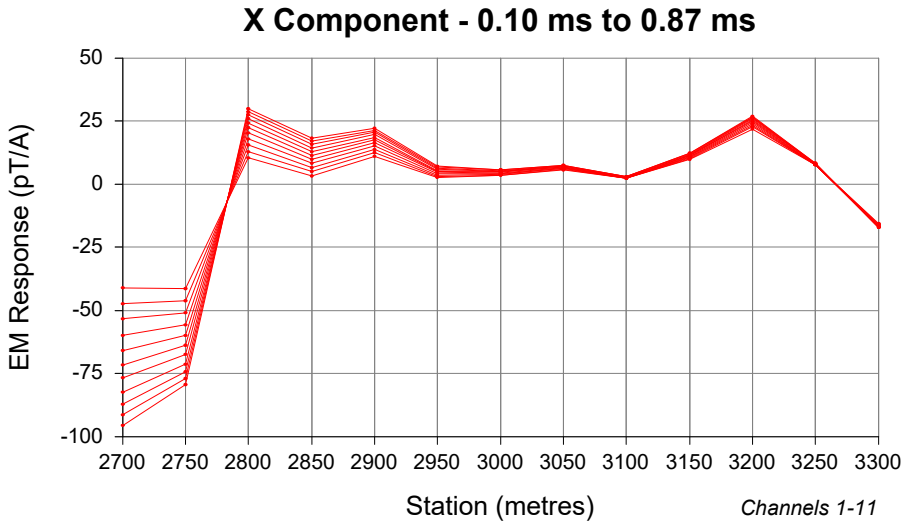
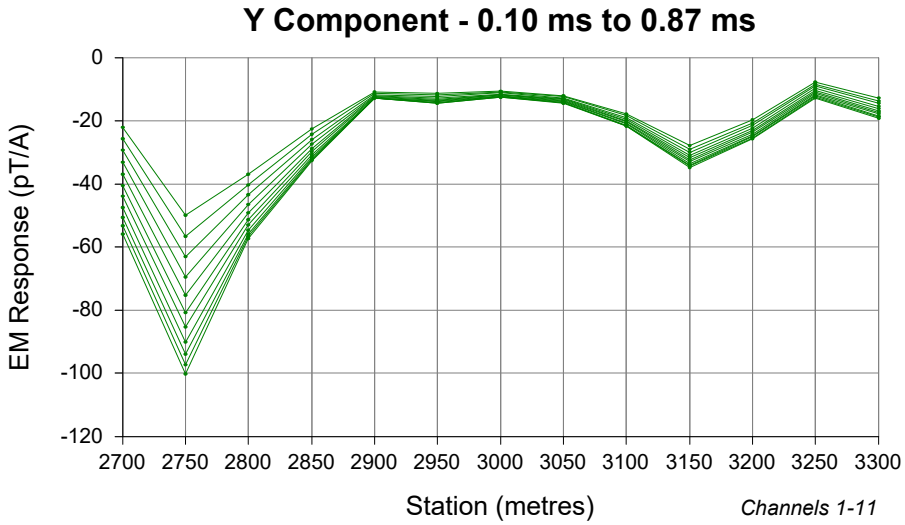
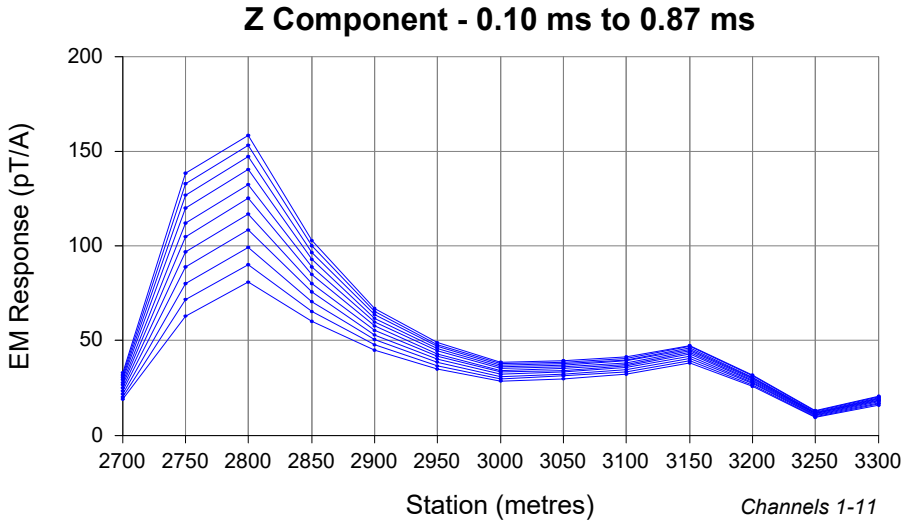








SURVEY PARAMETERS

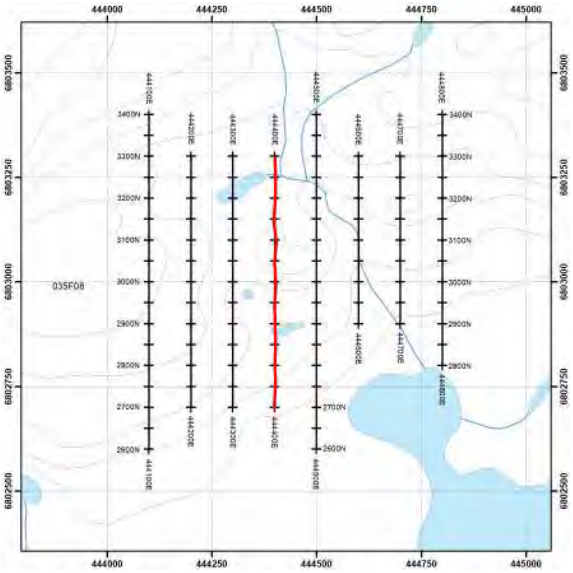
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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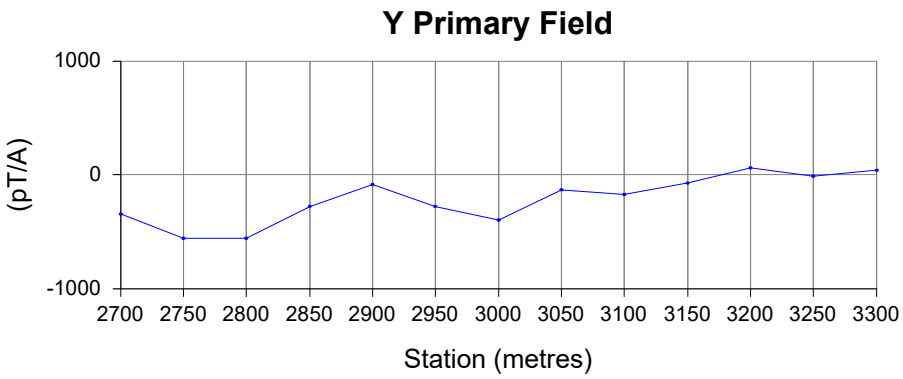

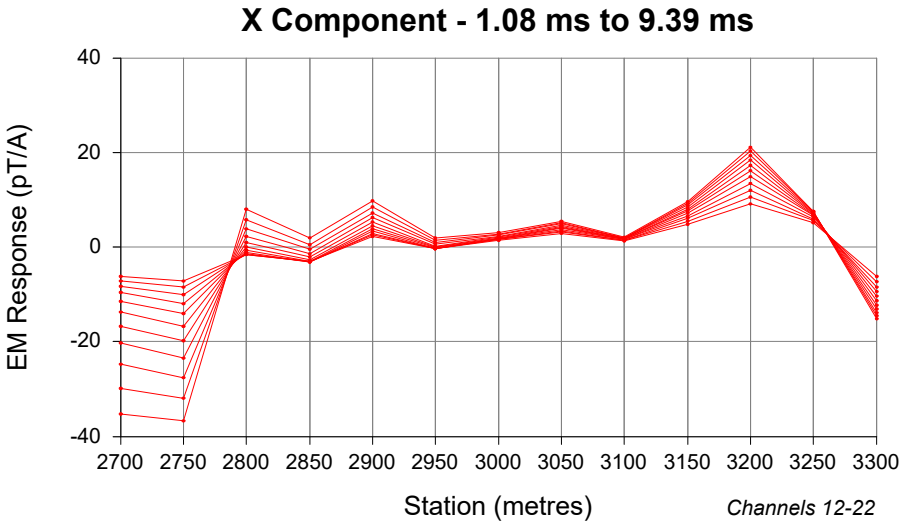

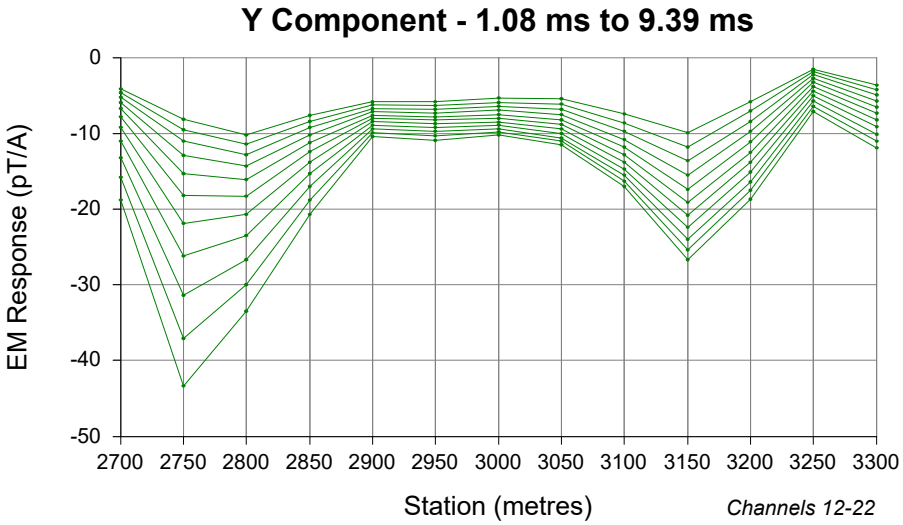

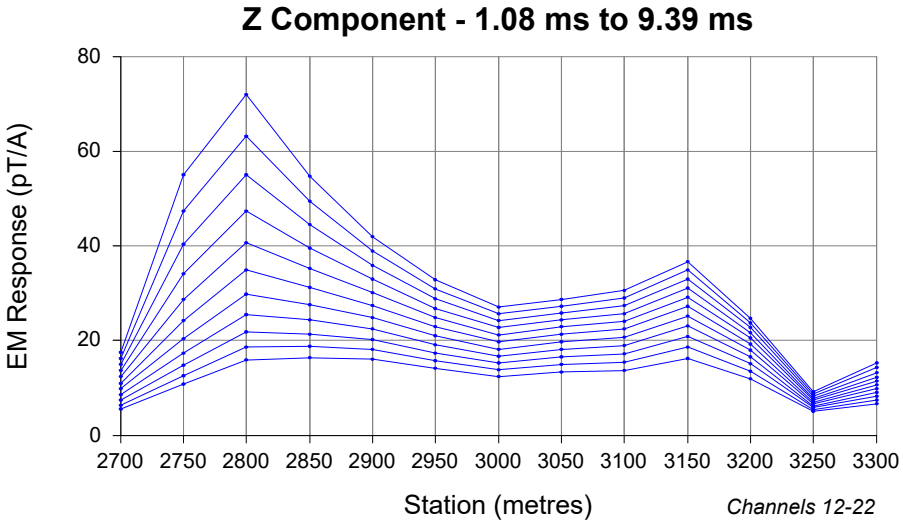

SURVEY PARAMETERS

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Receiver	: SMARTem24
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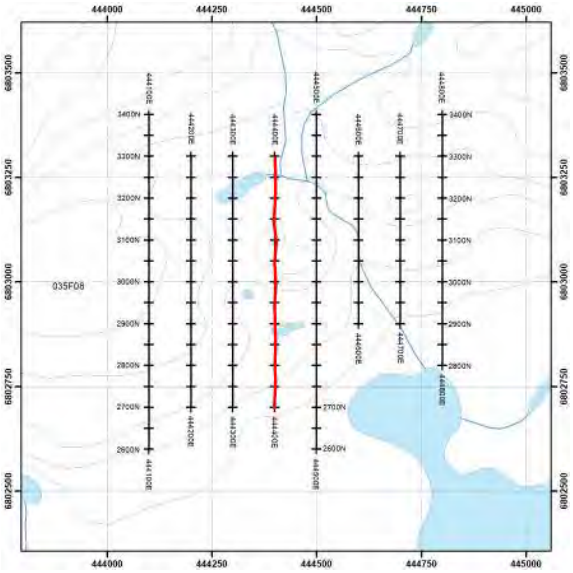

Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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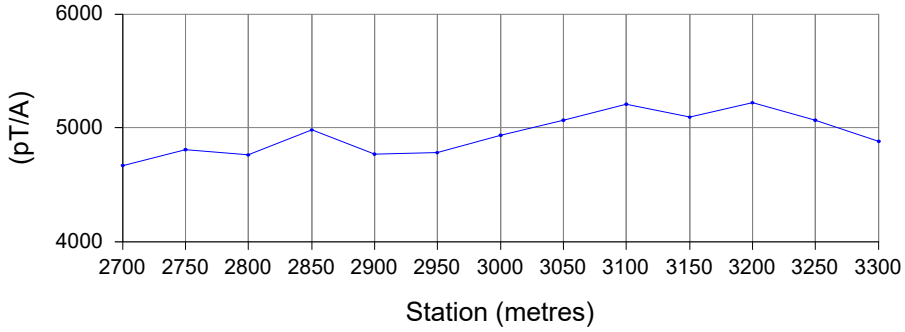
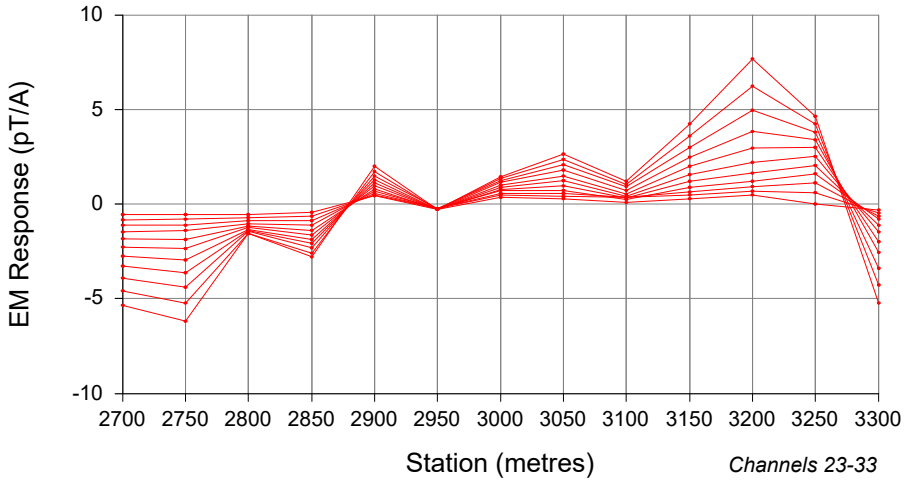
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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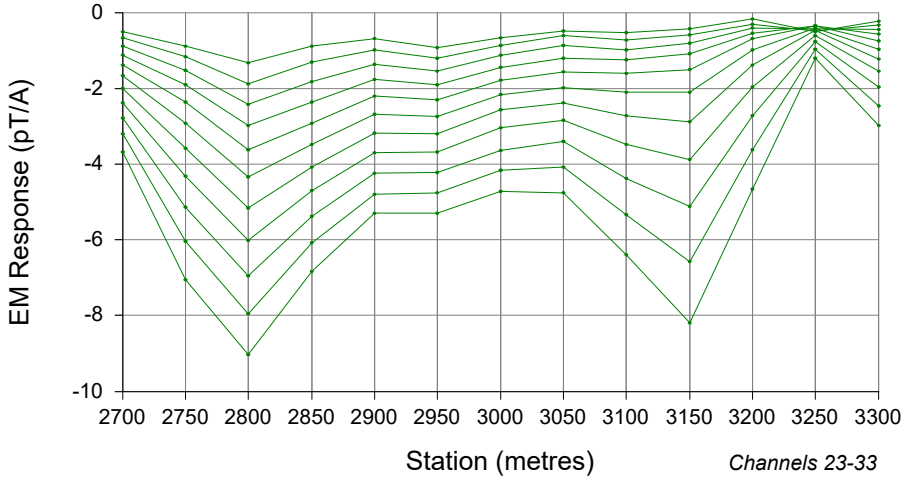

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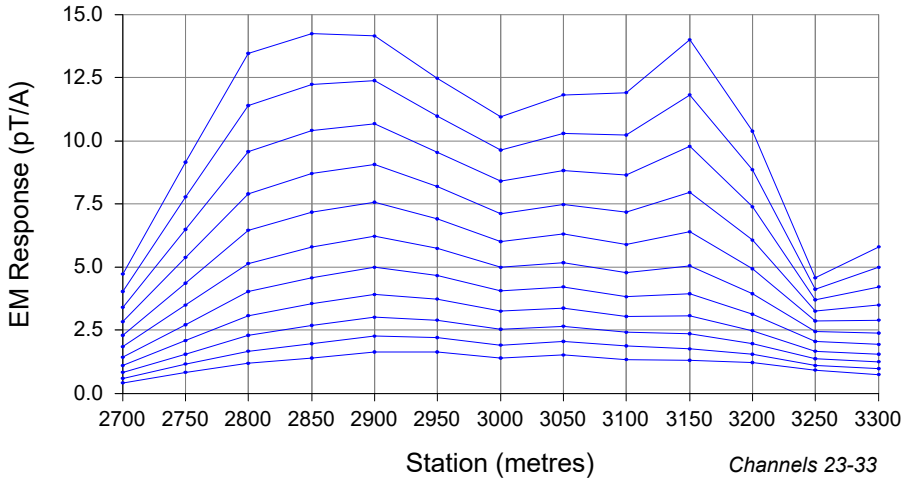

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
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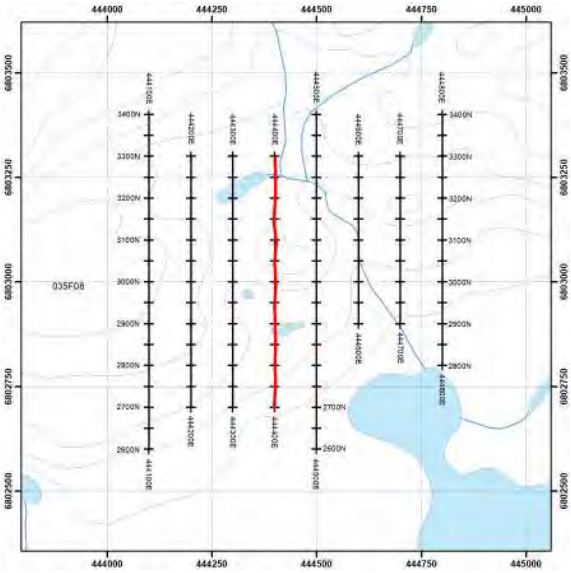

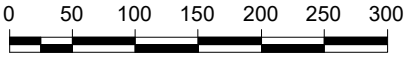

Scale 1:6000

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Line 444400E

Surveyed By: Mohamed Haiba
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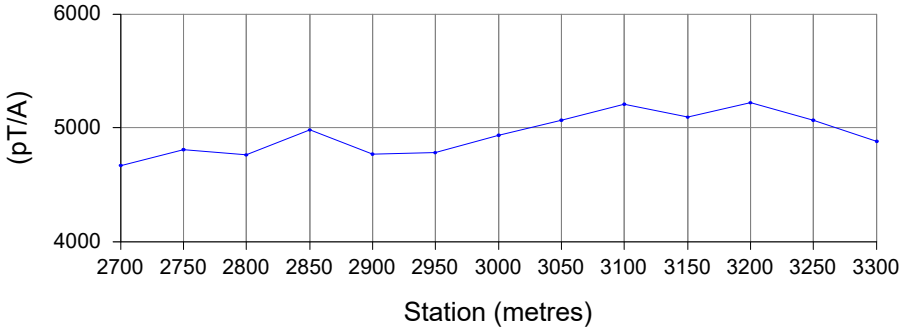
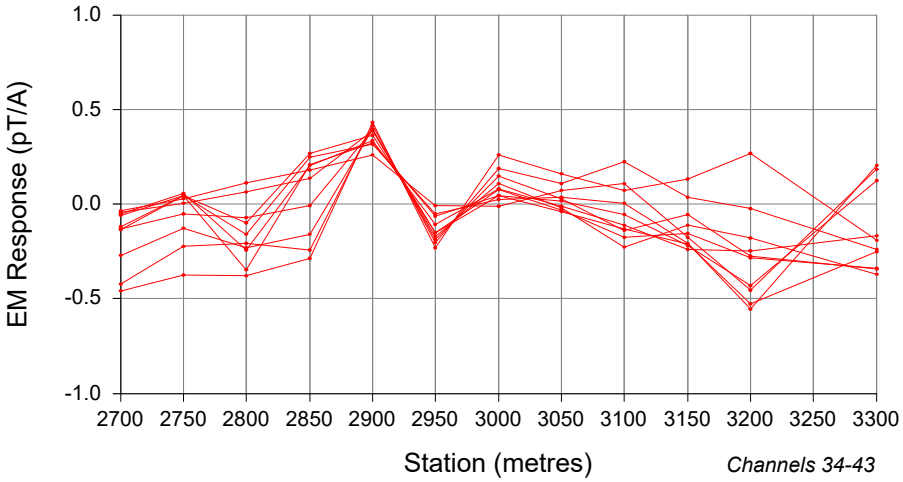
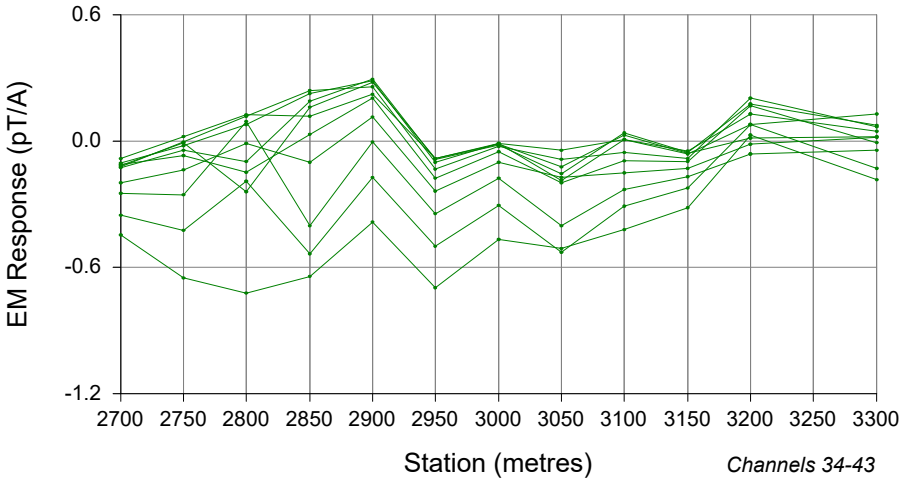
Z Primary Field



X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



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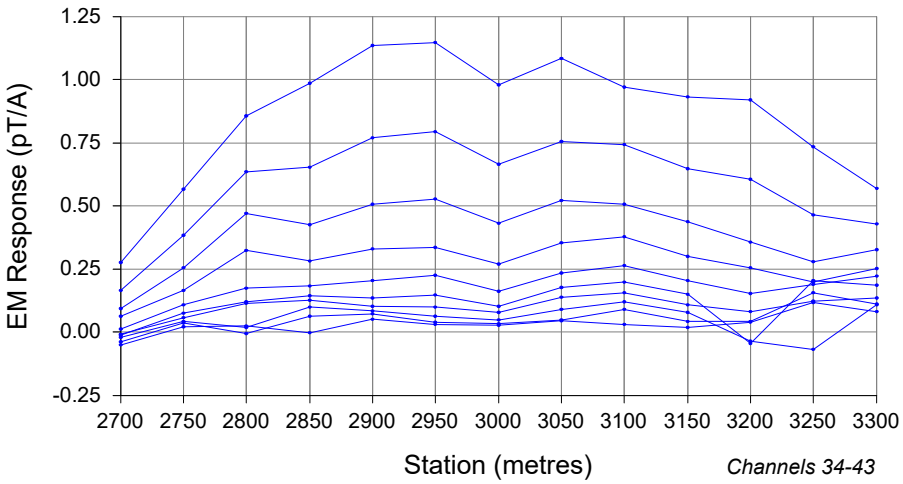

SURVEY PARAMETERS

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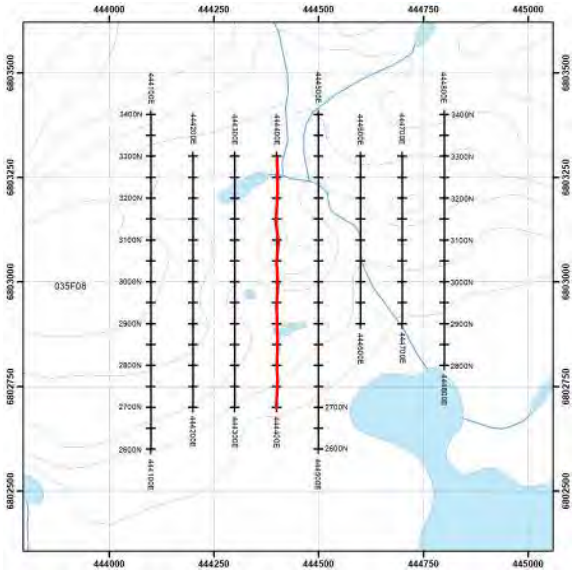
Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 46.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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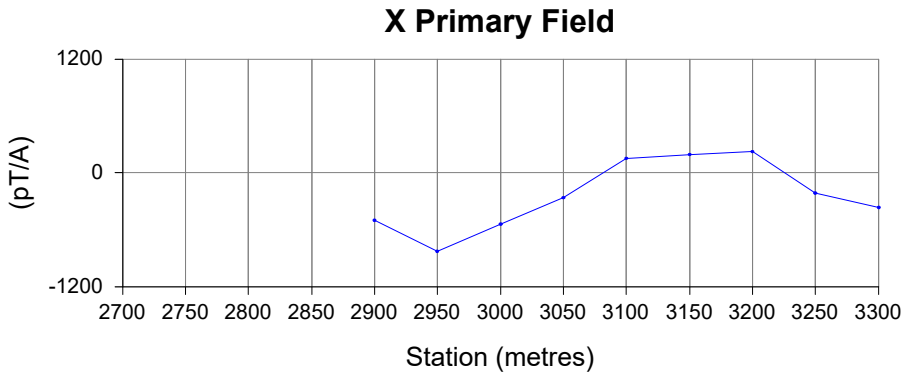
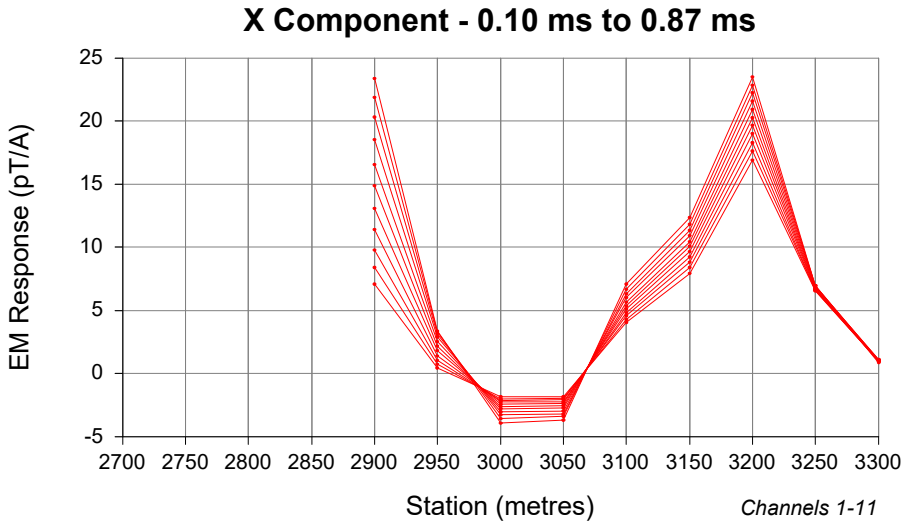
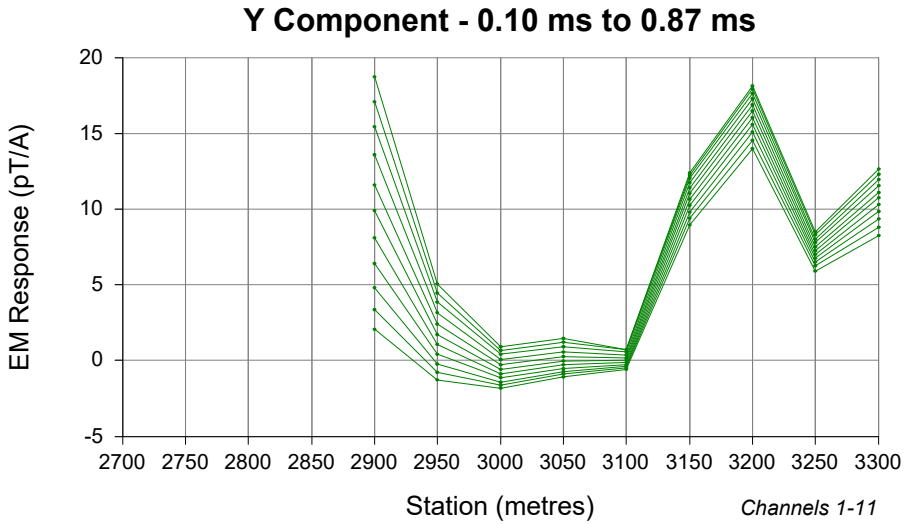
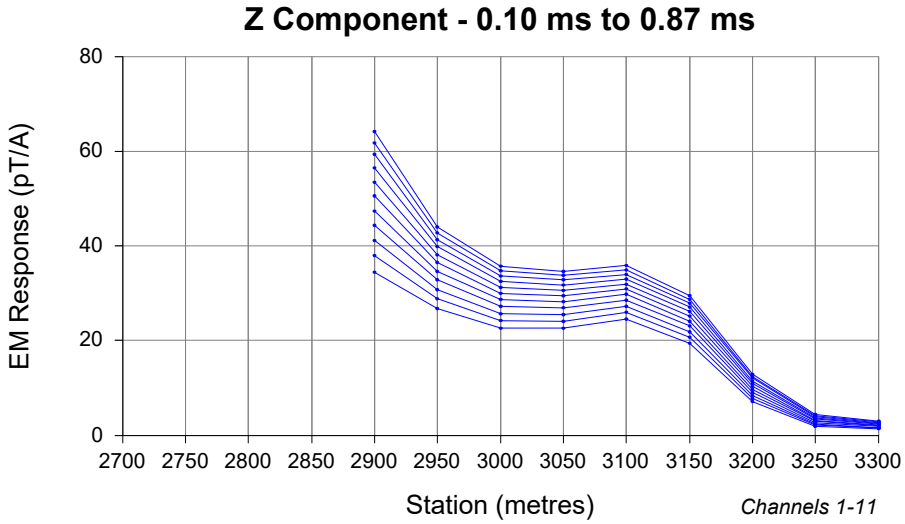








SURVEY PARAMETERS

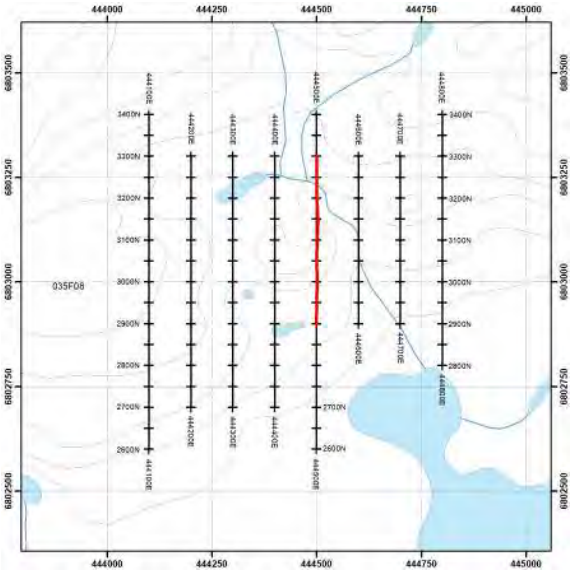
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444500E

Surveyed By: Joseph Cook
Survey Date: July 2021

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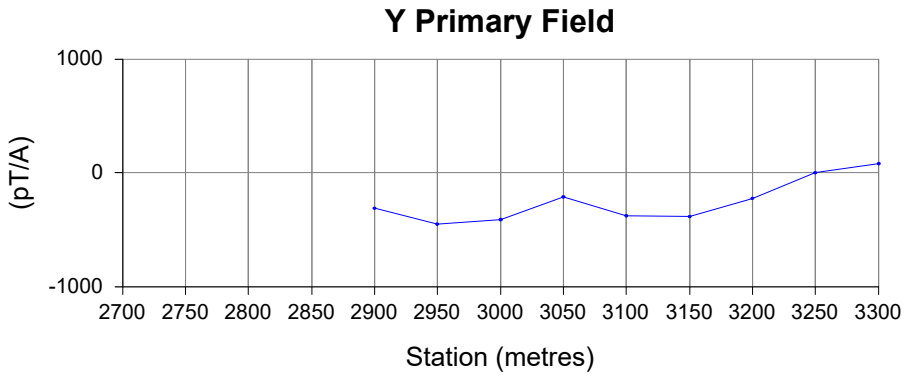
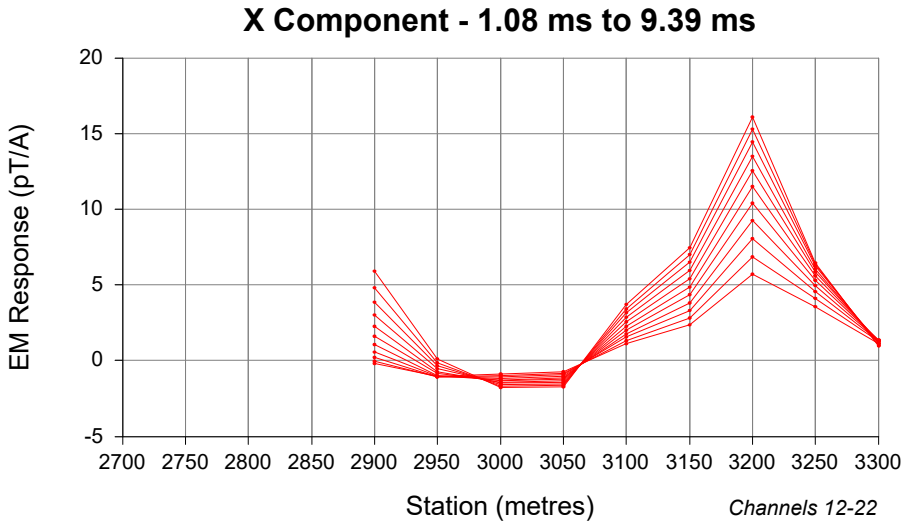
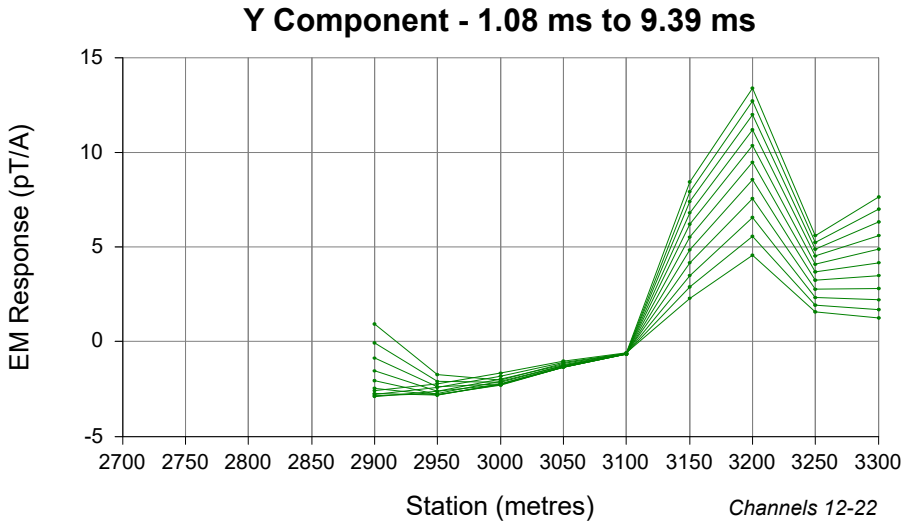
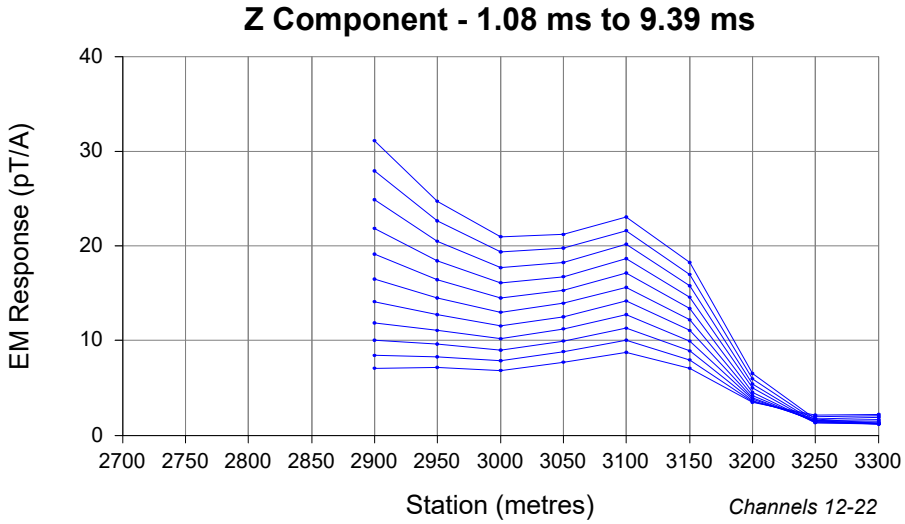








SURVEY PARAMETERS

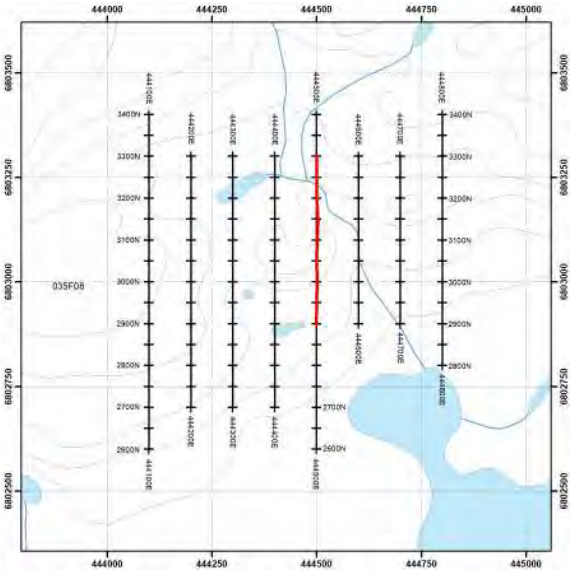
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444500E

Surveyed By: Joseph Cook
Survey Date: July 2021

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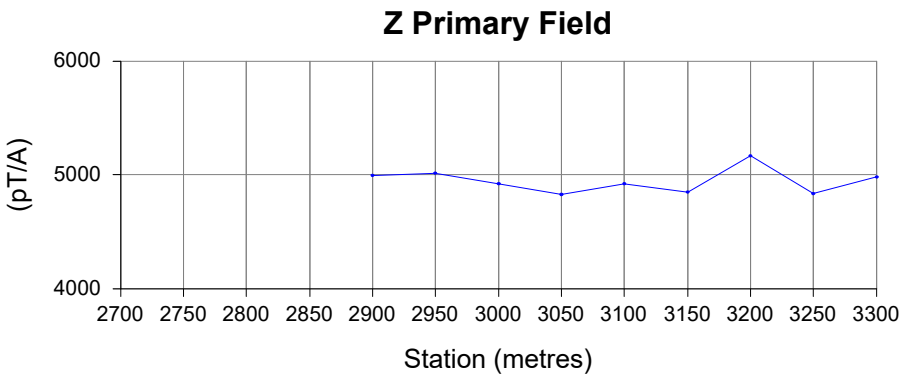
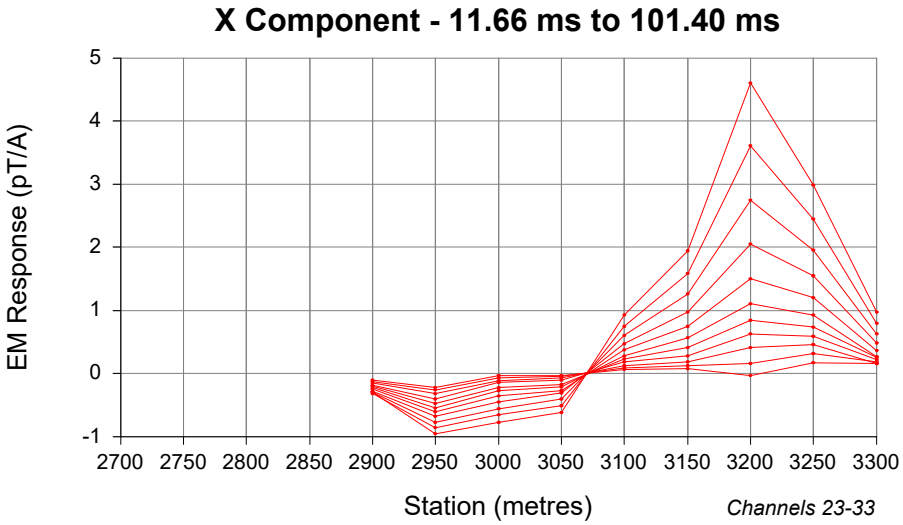
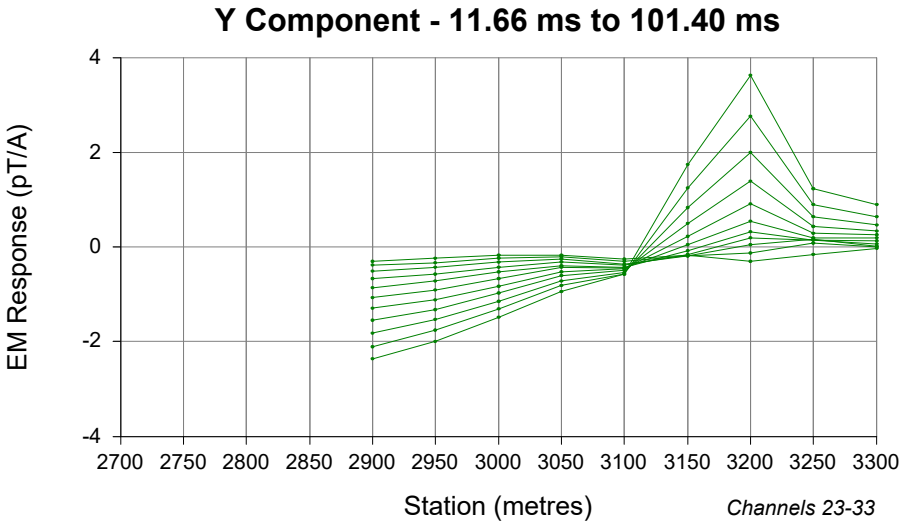
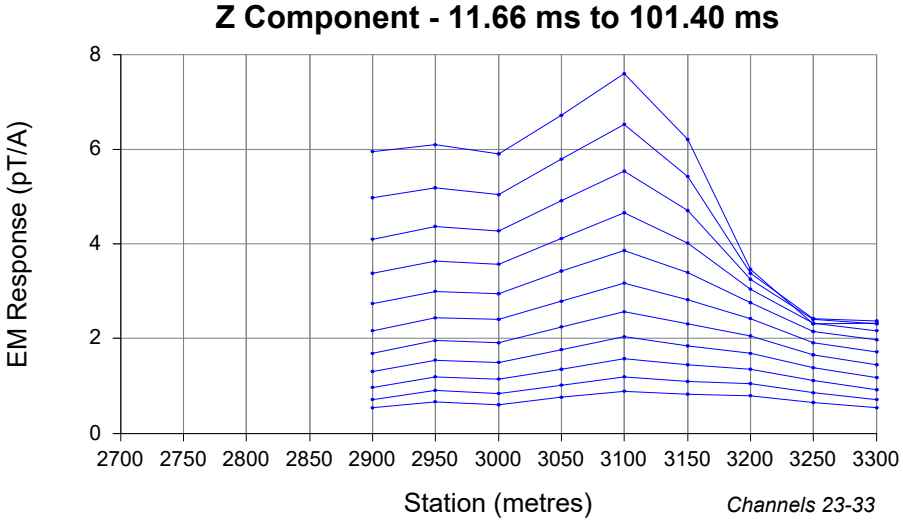








SURVEY PARAMETERS

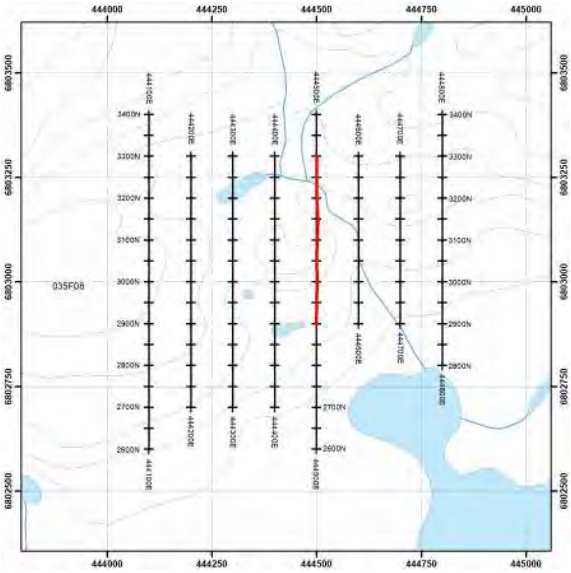
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444500E

Surveyed By: Joseph Cook
Survey Date: July 2021

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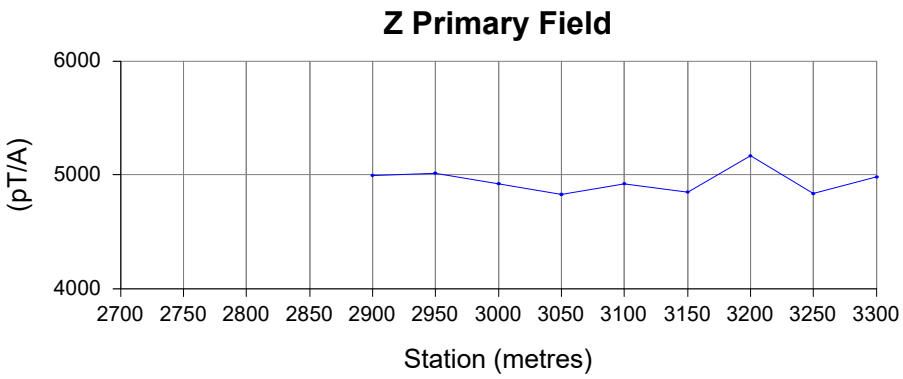
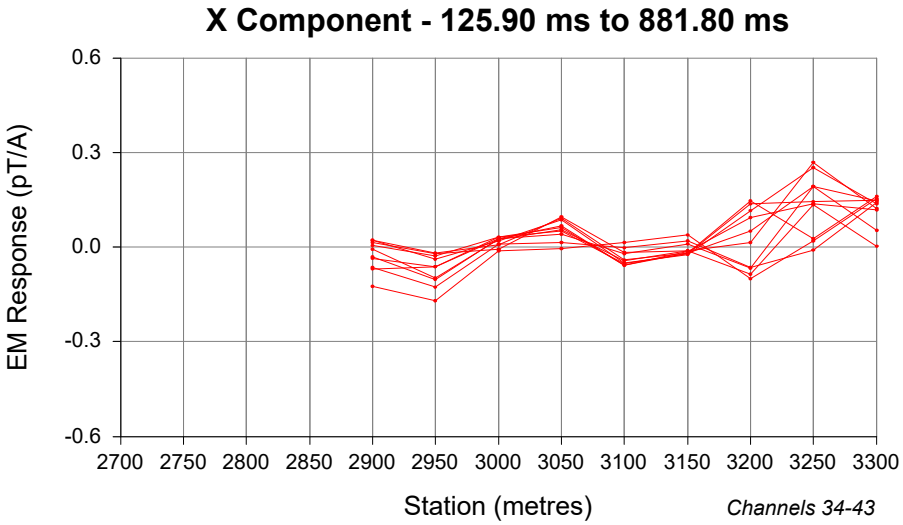
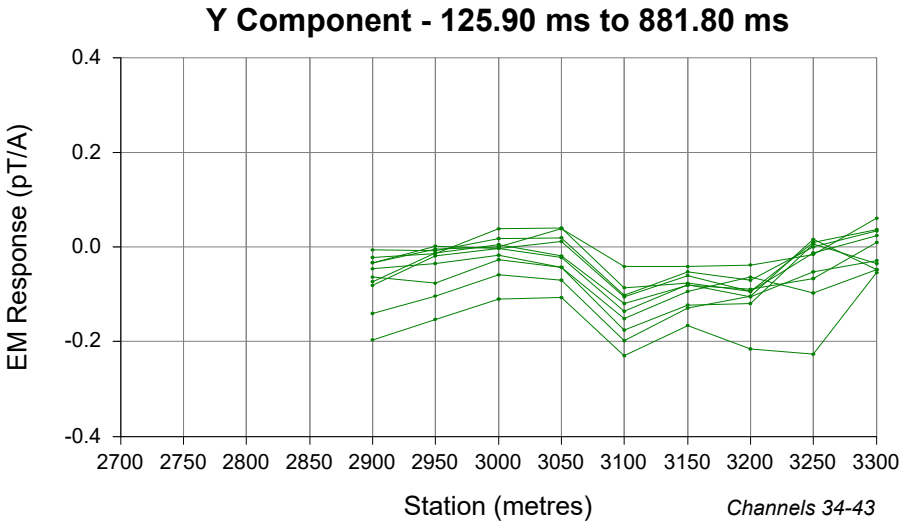
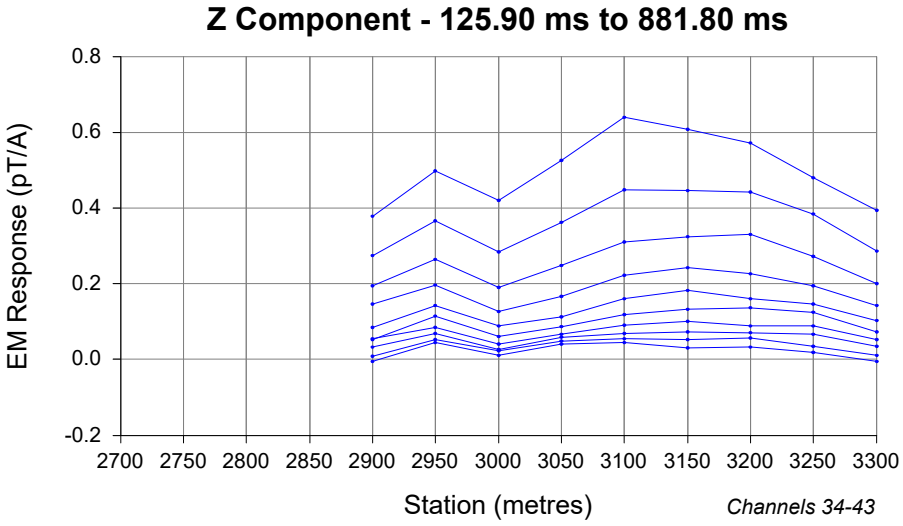








SURVEY PARAMETERS

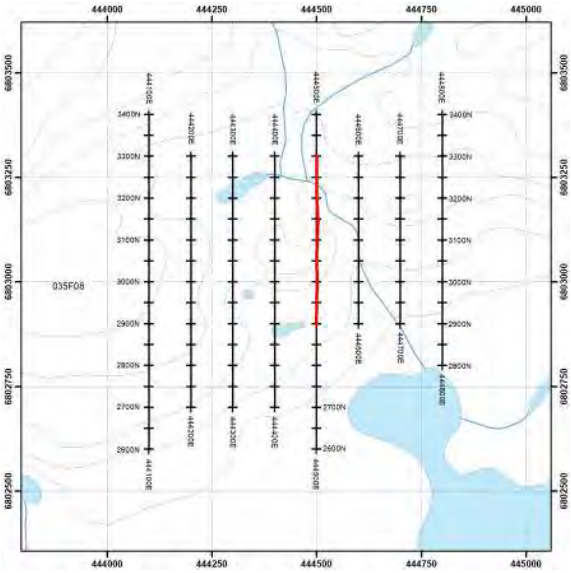
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444500E

Surveyed By: Joseph Cook
Survey Date: July 2021

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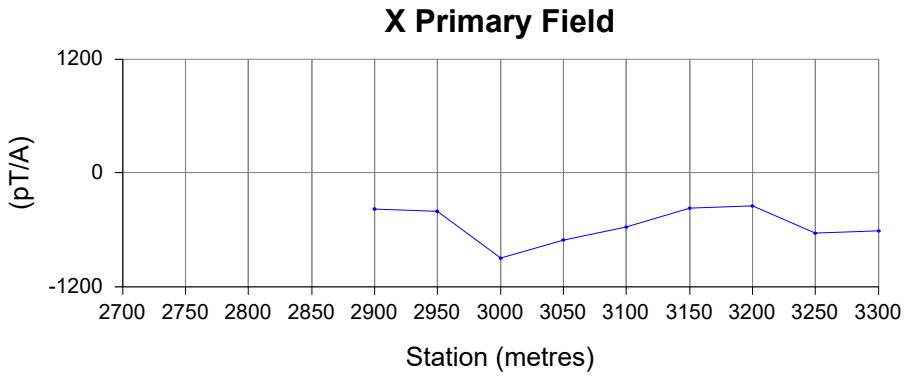
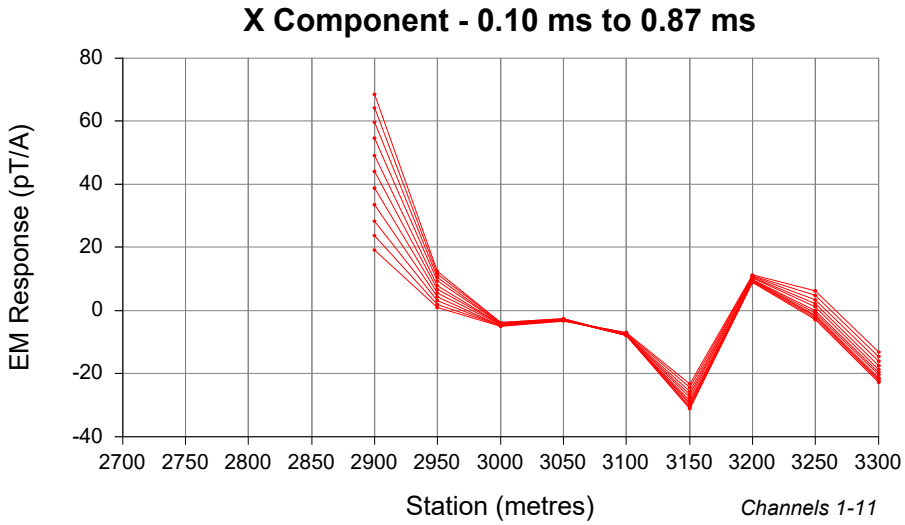
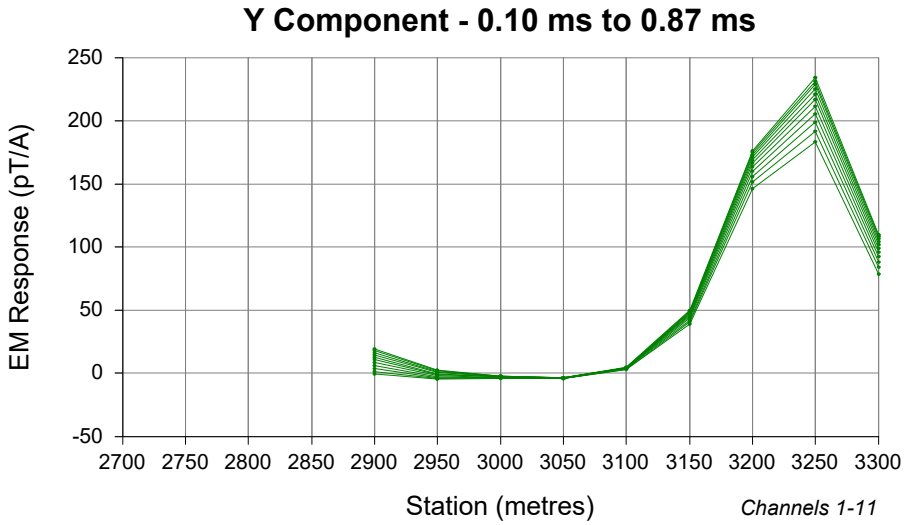
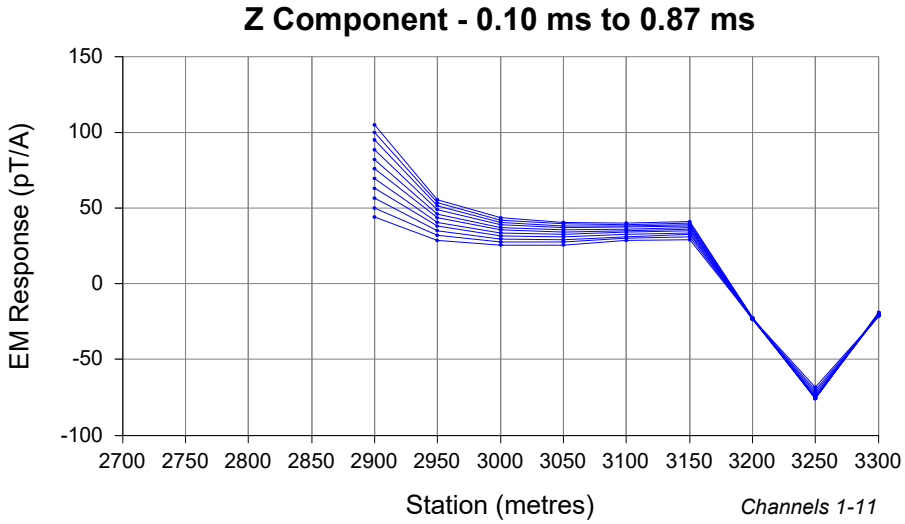








SURVEY PARAMETERS

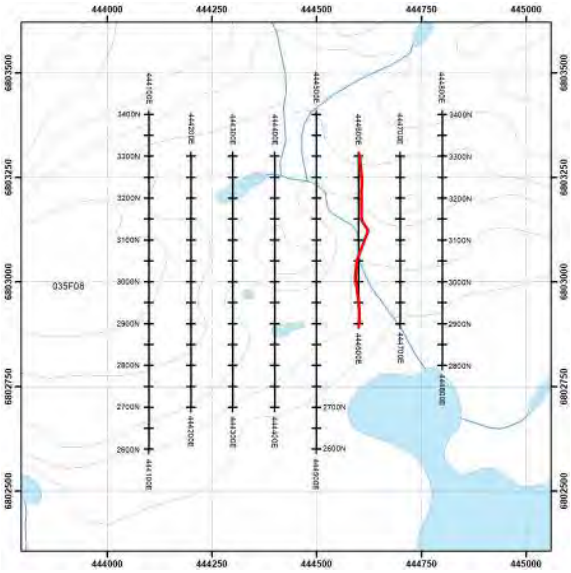
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

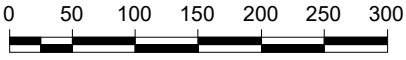
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444600E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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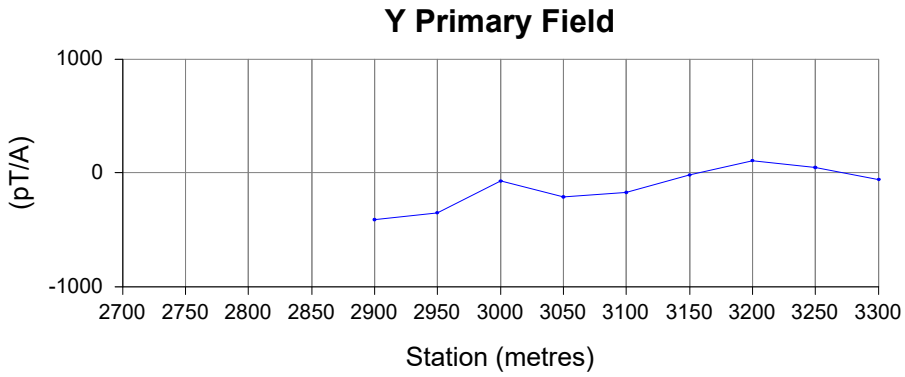
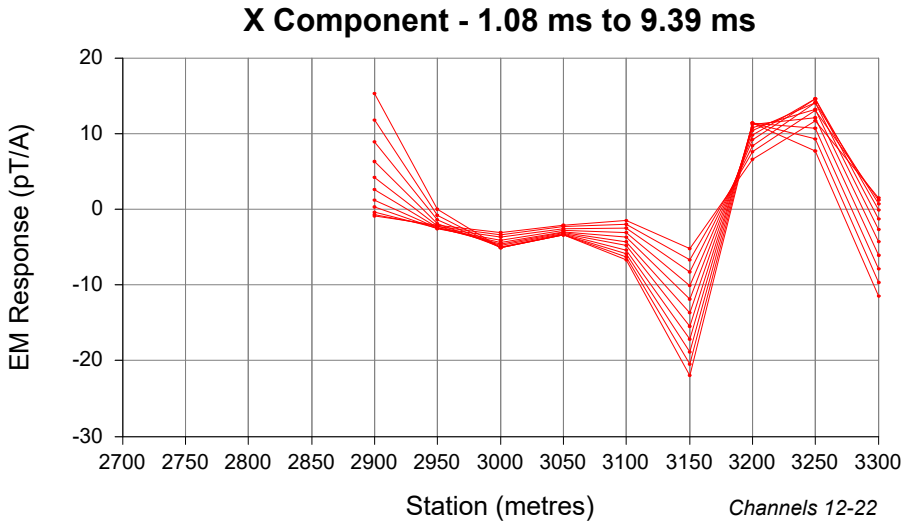
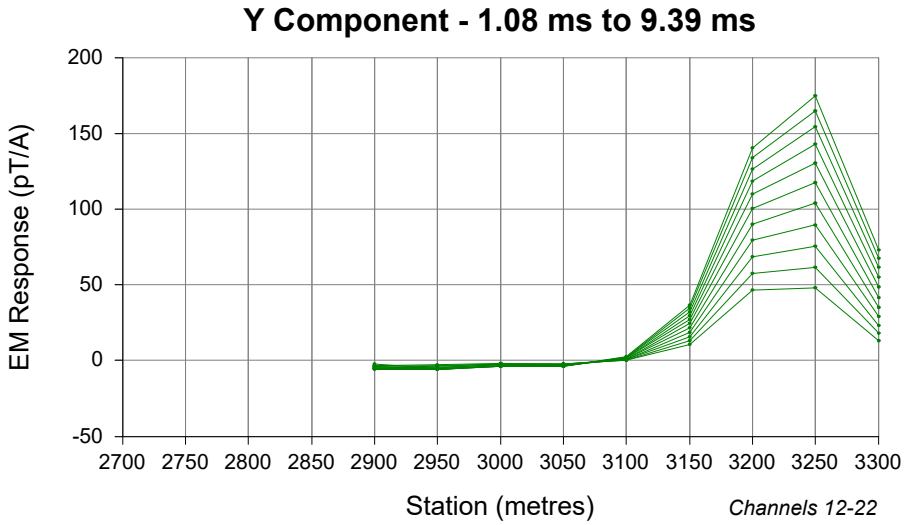
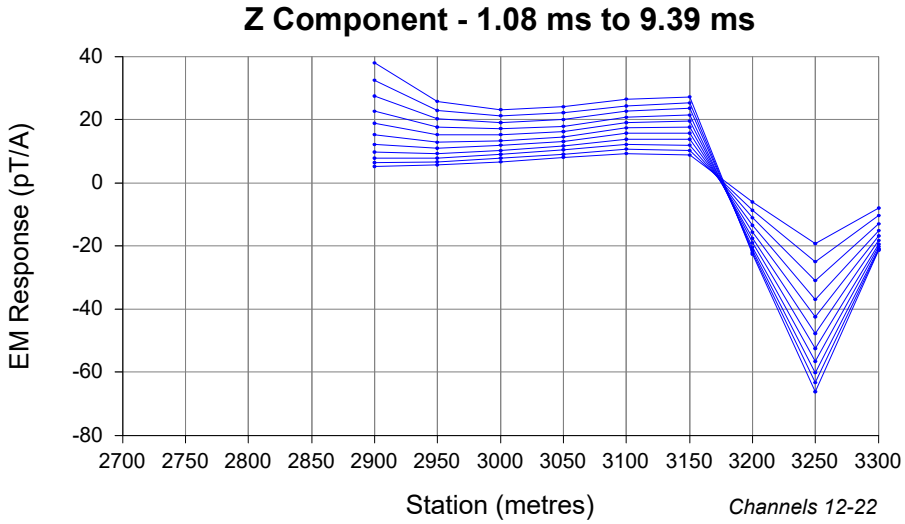








SURVEY PARAMETERS

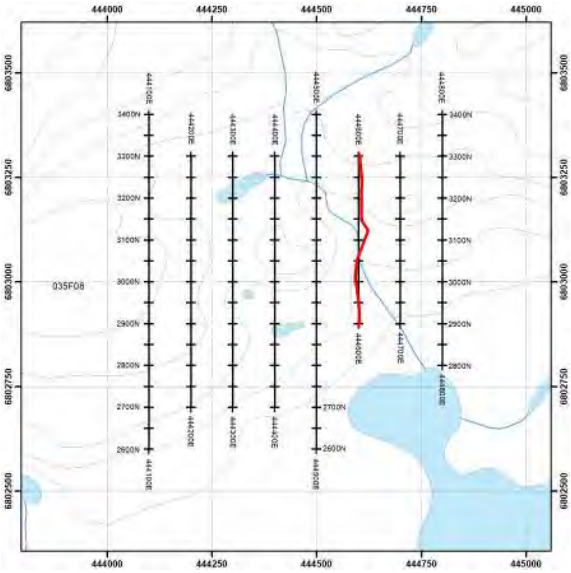
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

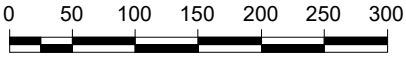
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444600E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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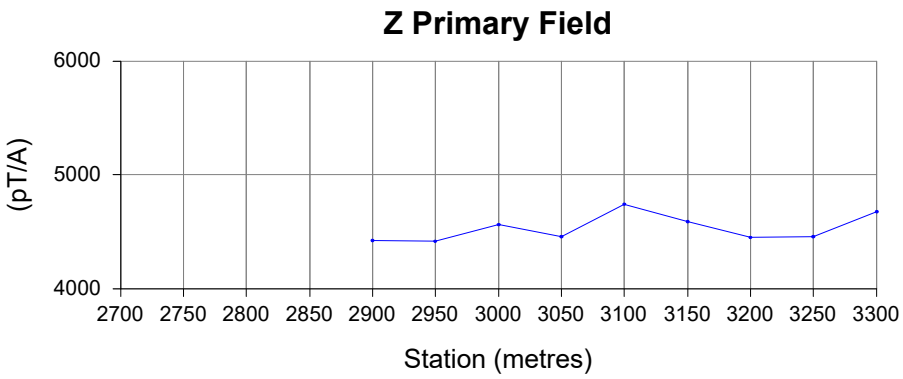
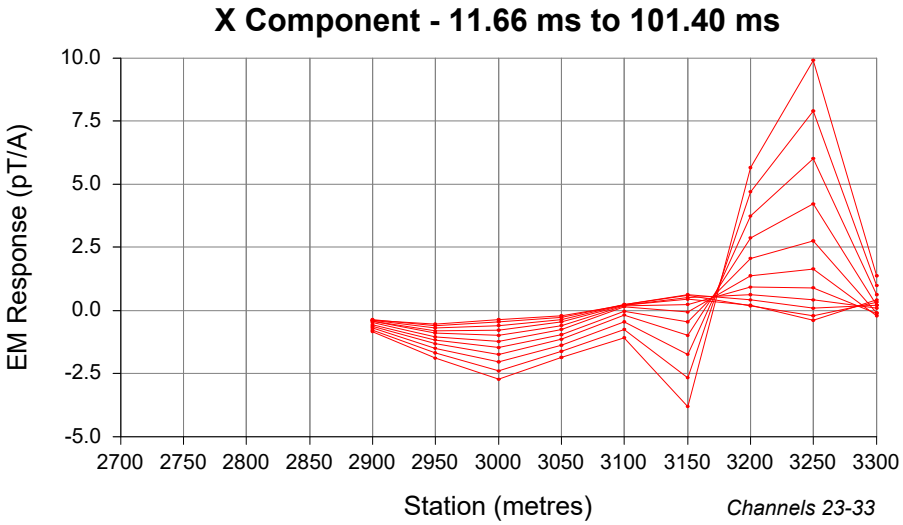
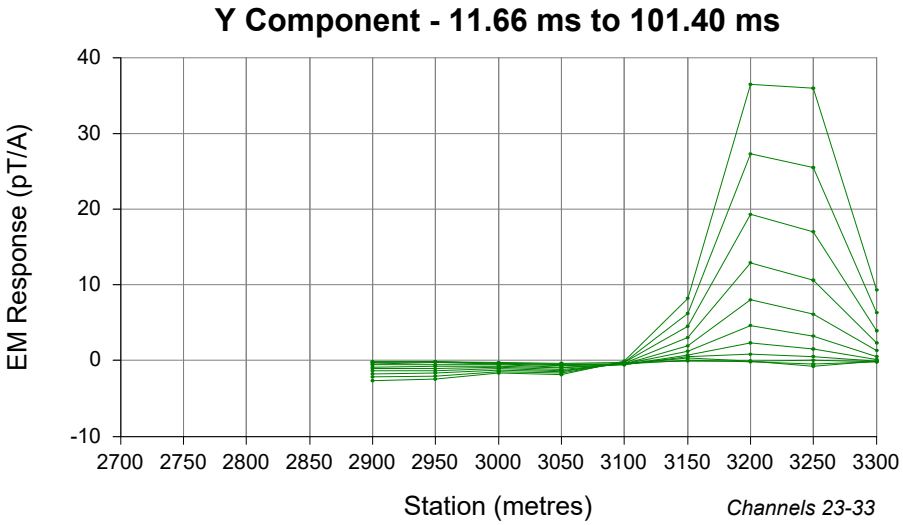
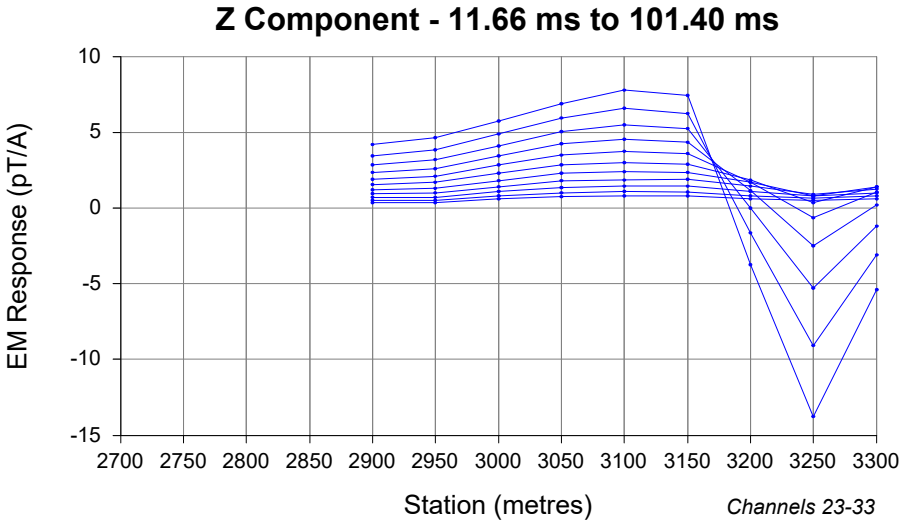








SURVEY PARAMETERS

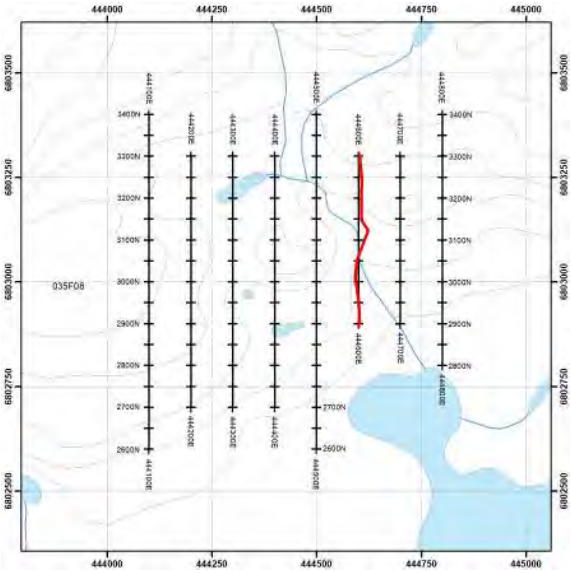
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444600E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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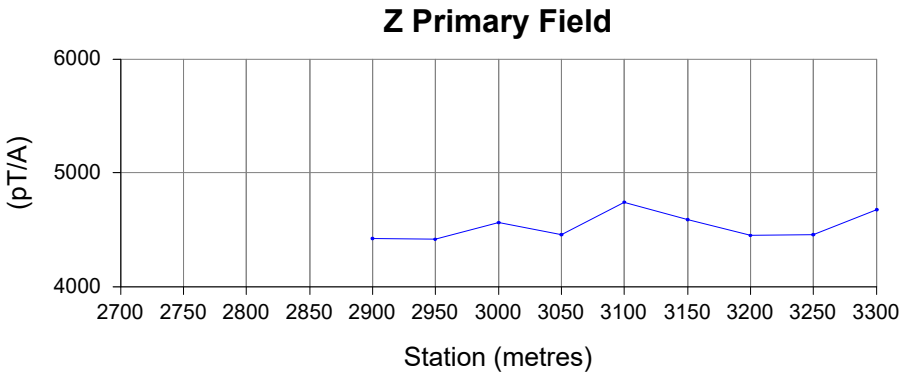
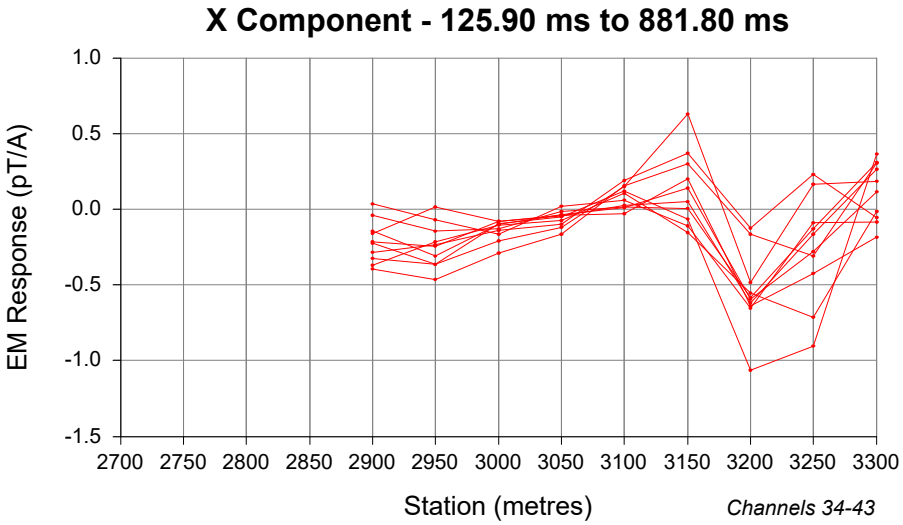
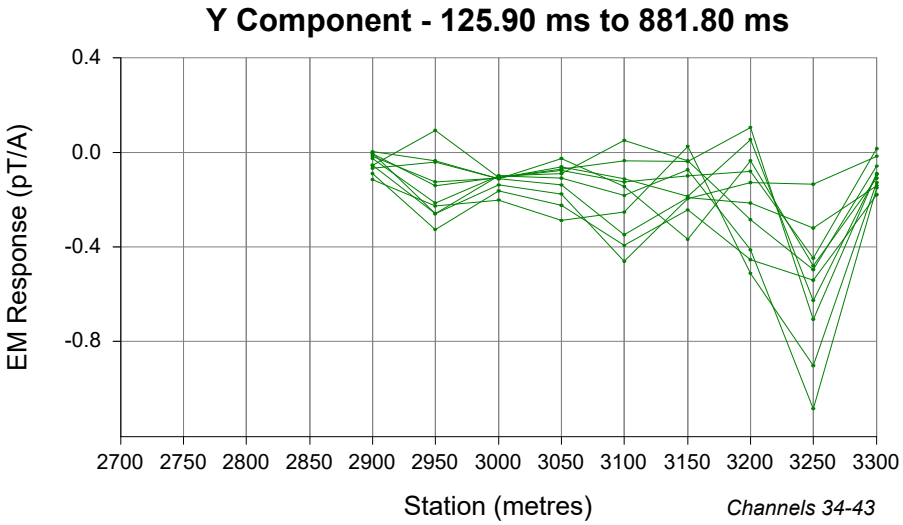
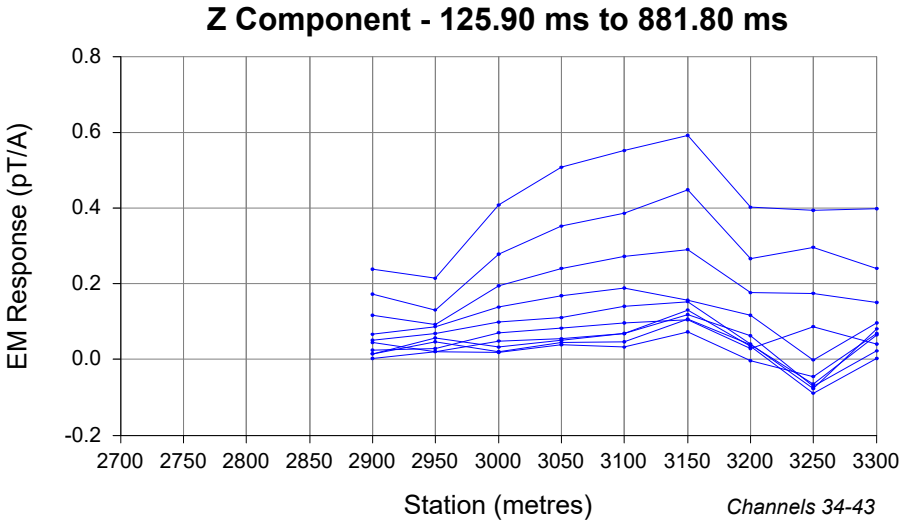








SURVEY PARAMETERS

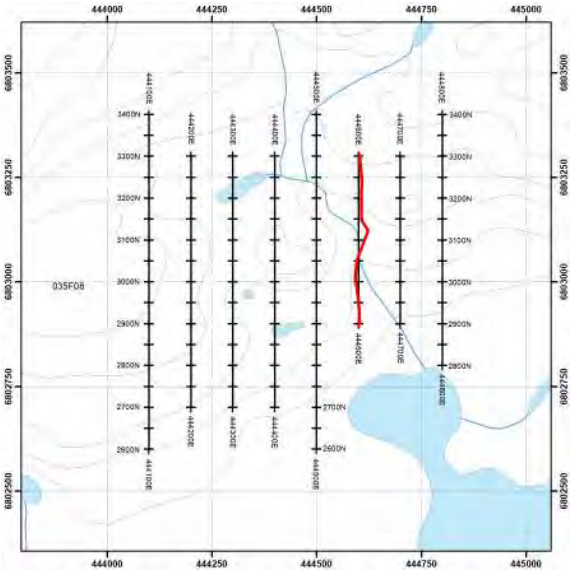
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

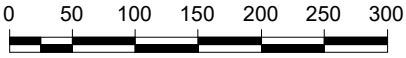
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444600E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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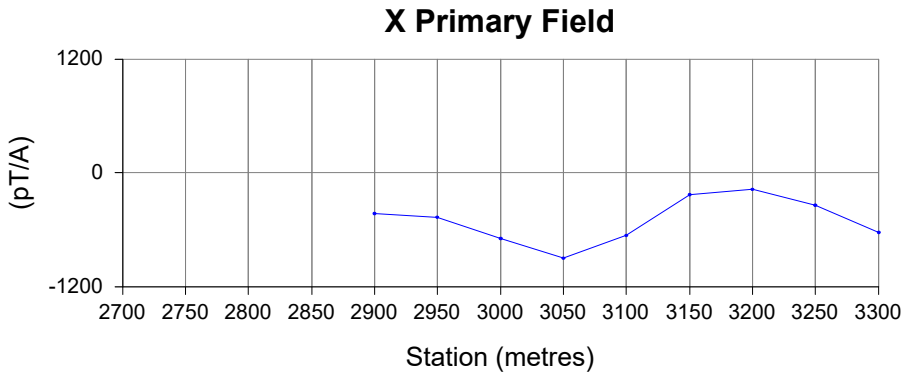
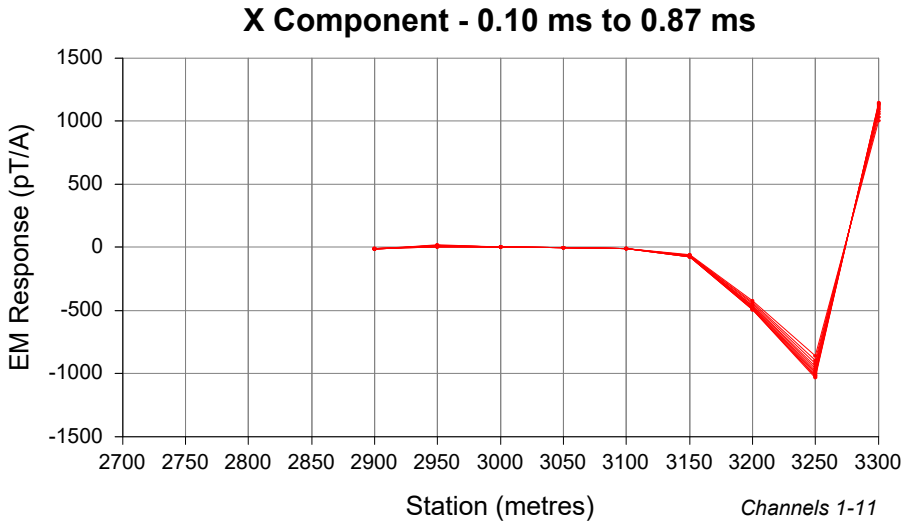
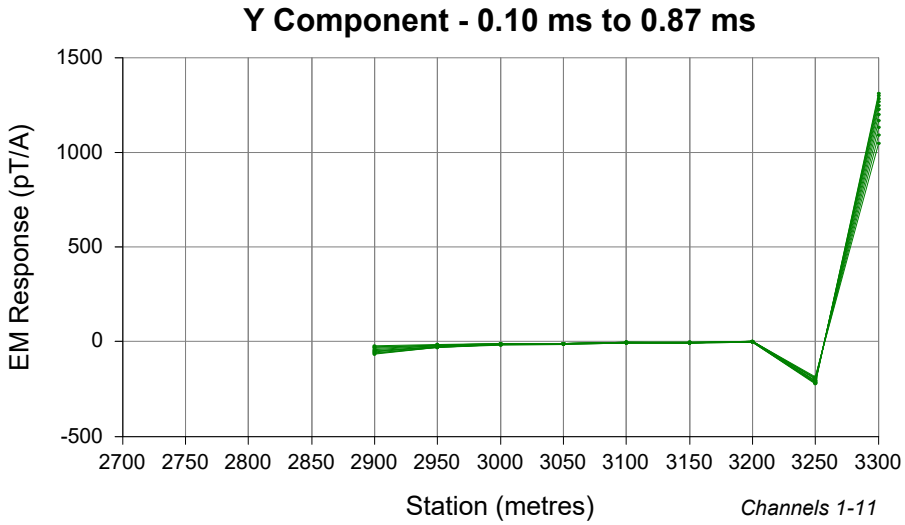
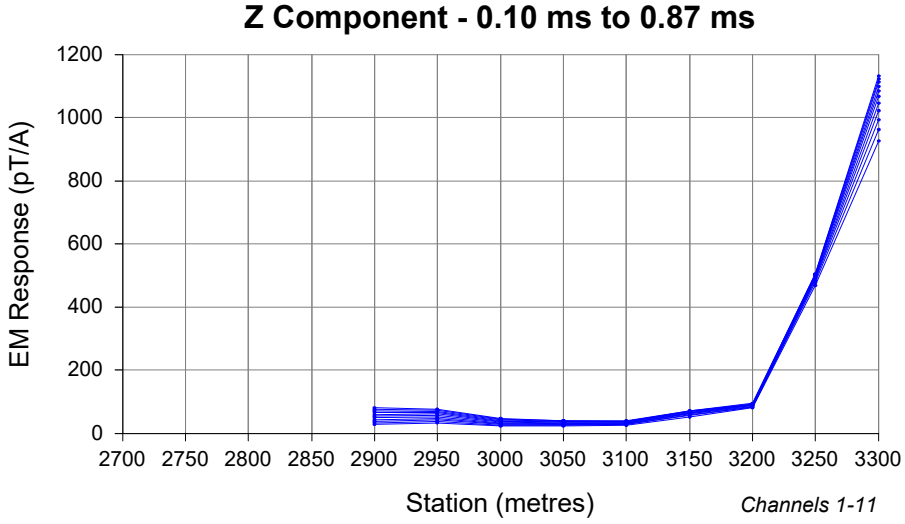








SURVEY PARAMETERS

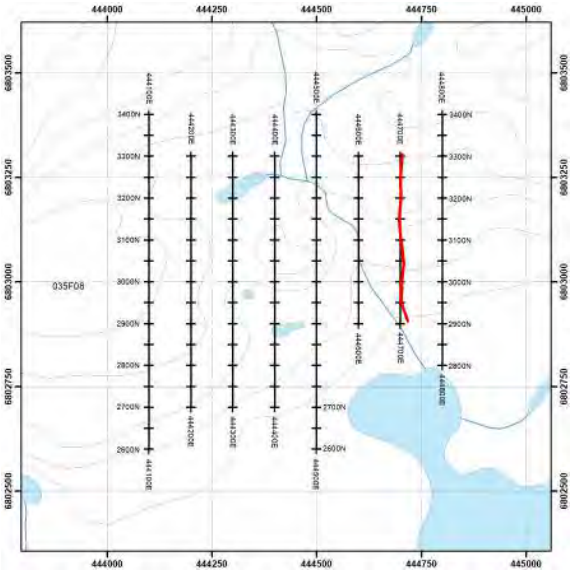
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

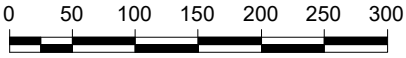
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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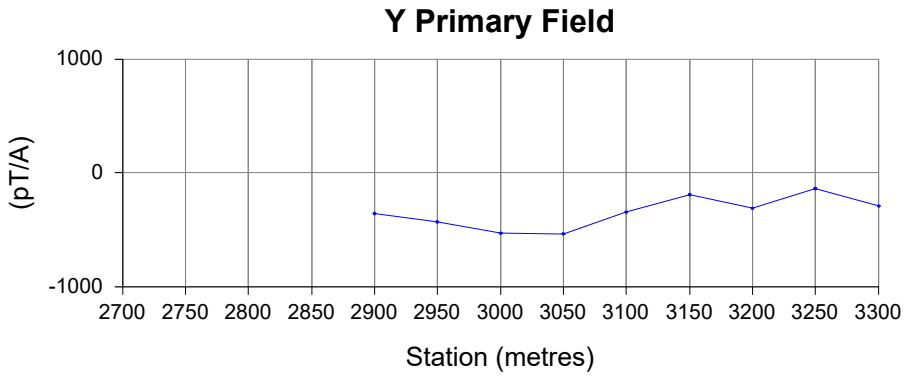

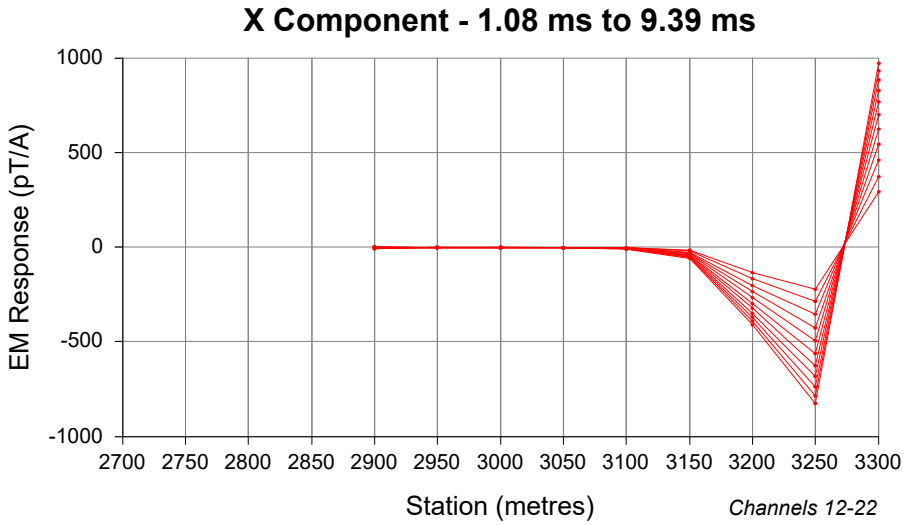

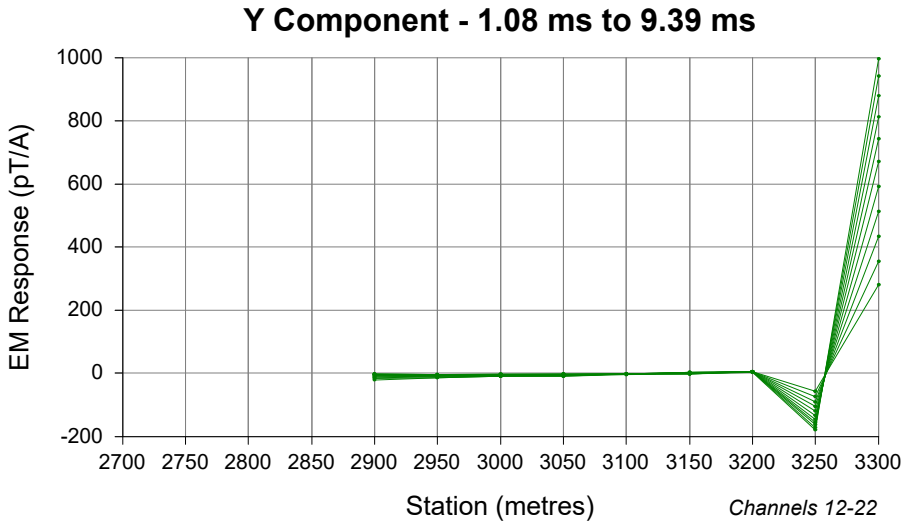

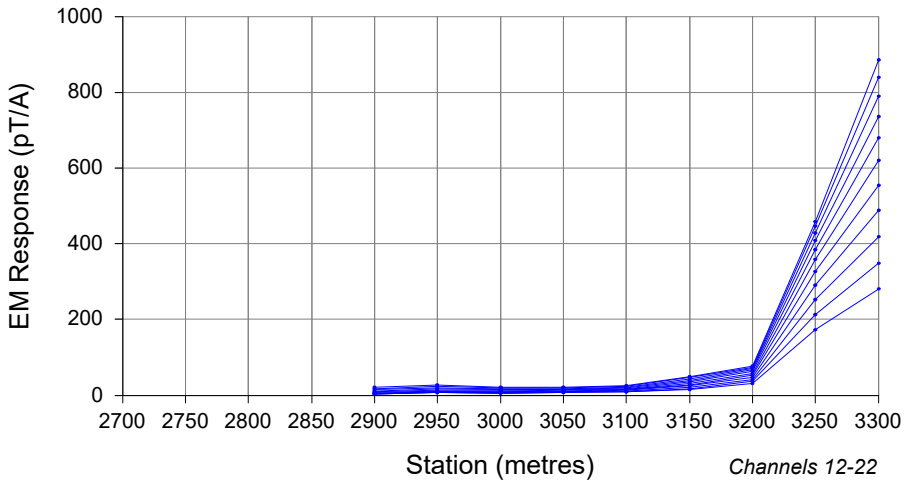

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

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Frequency	: 0.25 Hz
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TRANSMITTER

Transmitter	: Phoenix TXU-30
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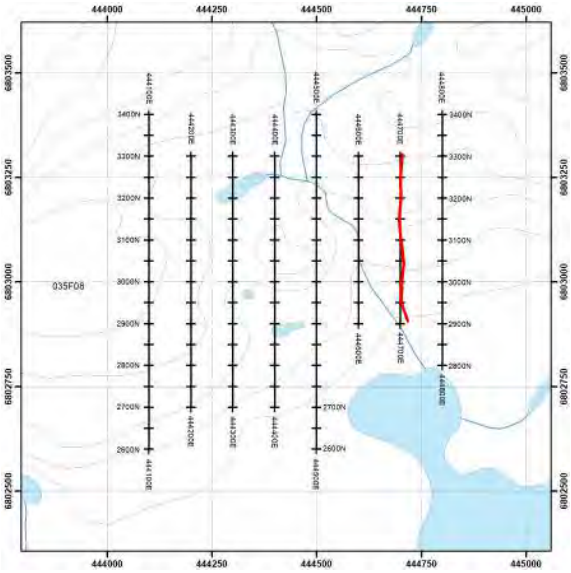
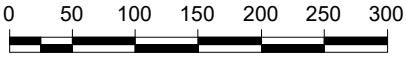
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444700E

Surveyed By: Cole Smytaniuk
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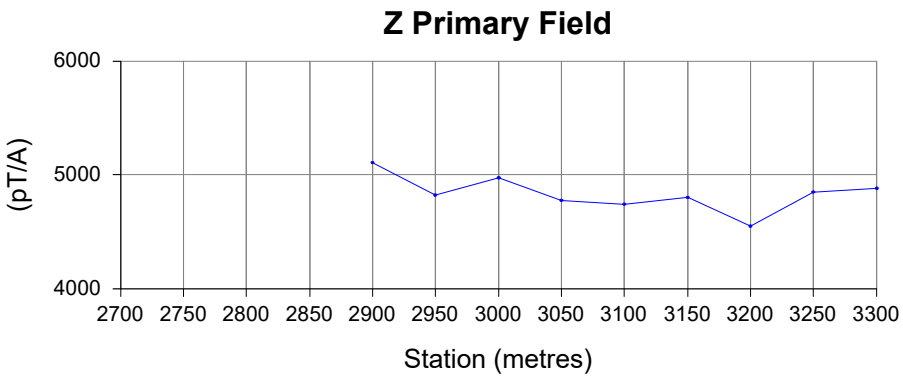

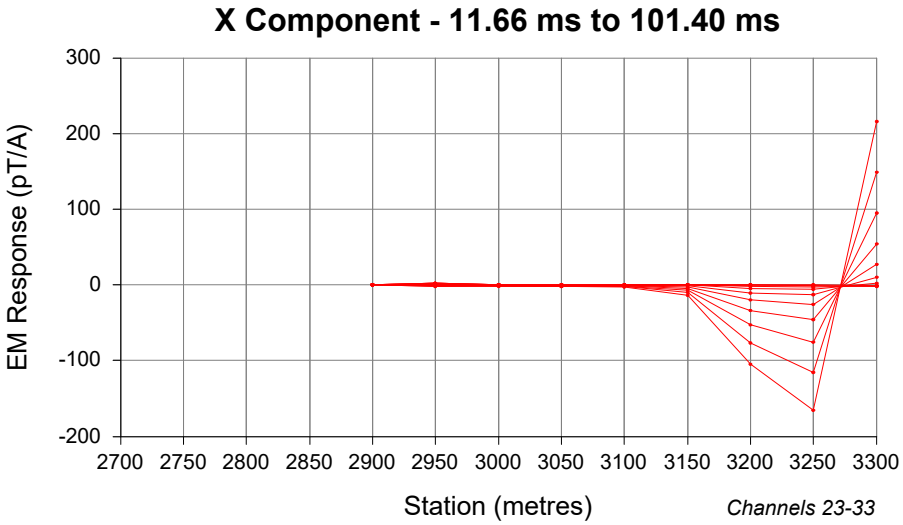

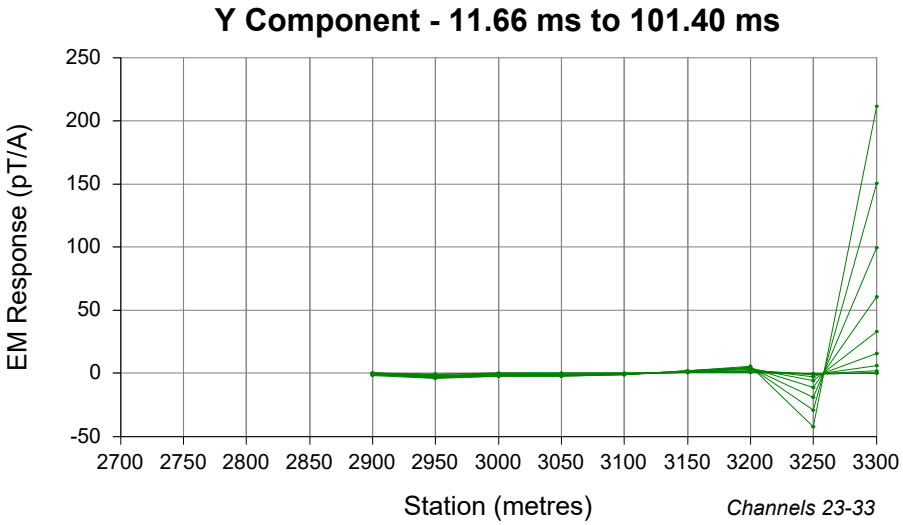

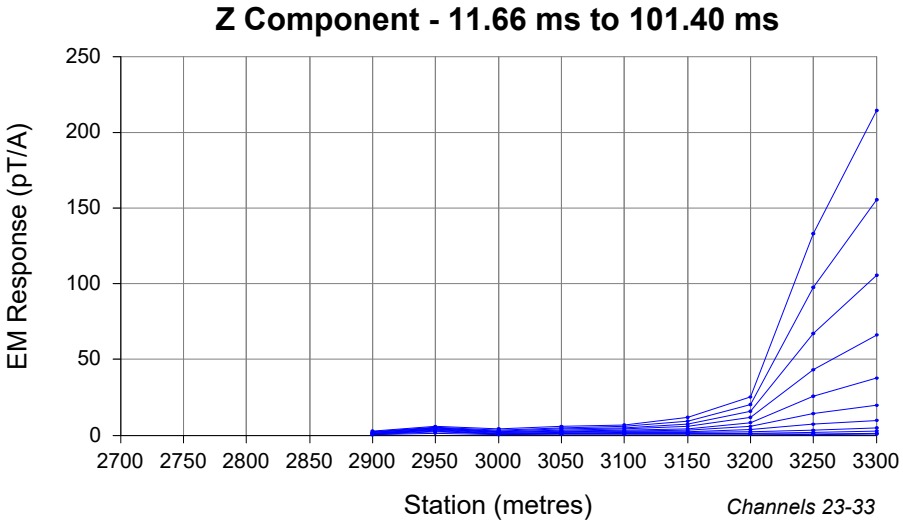

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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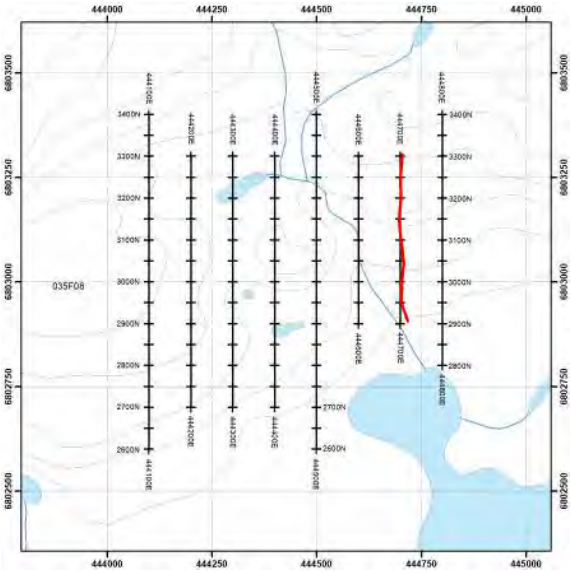
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Frontier East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 444700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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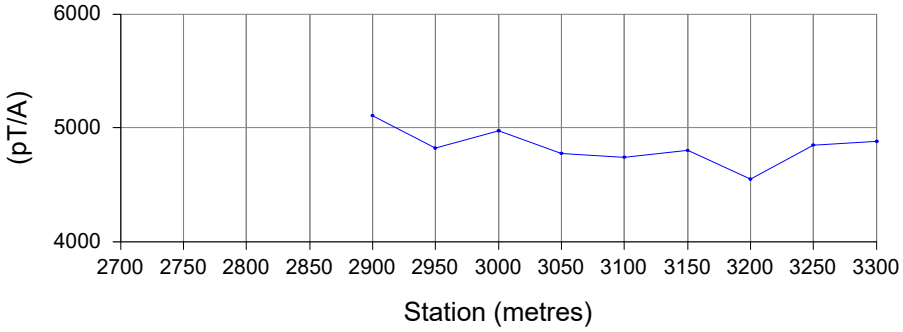
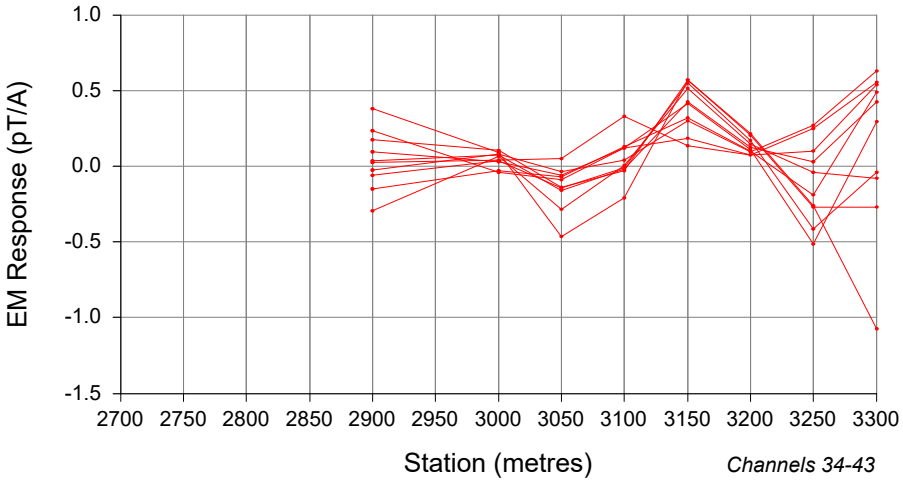
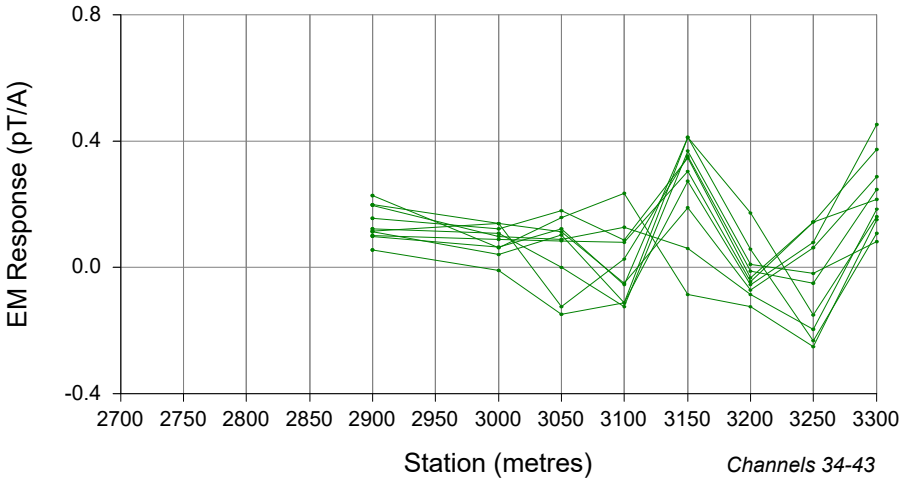
Z Primary Field



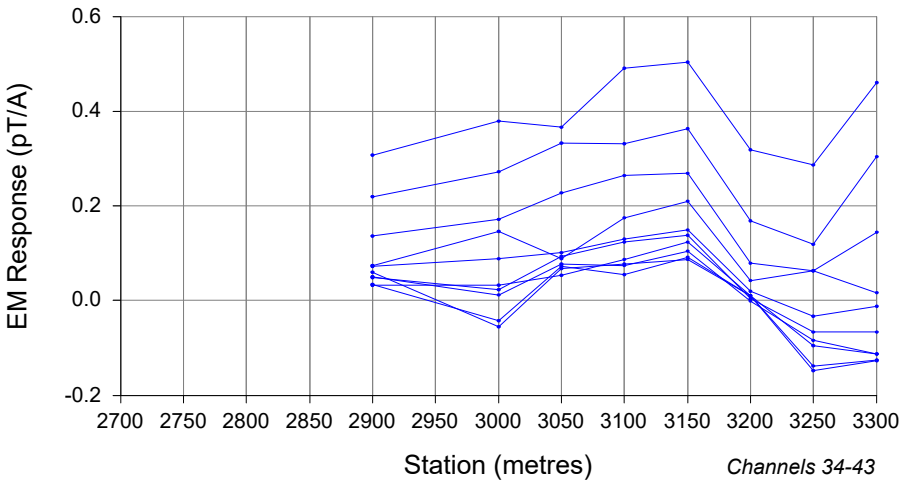
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

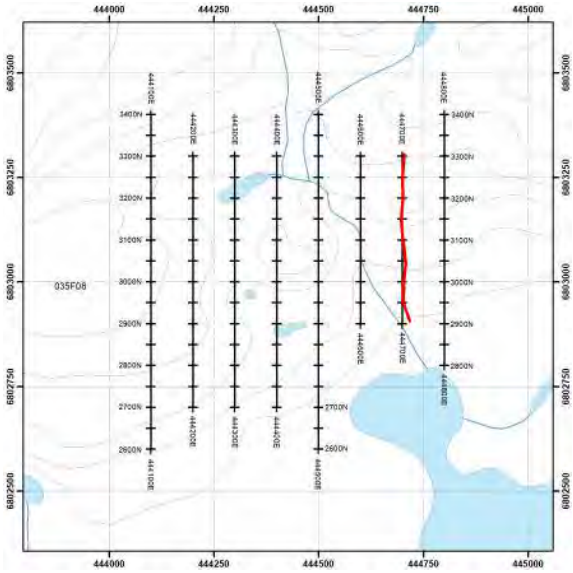
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

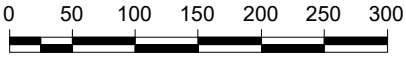
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:6000

Orford Mining Corp.
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Frontier East Grid
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Moving-Loop TEM Survey

Line 444700E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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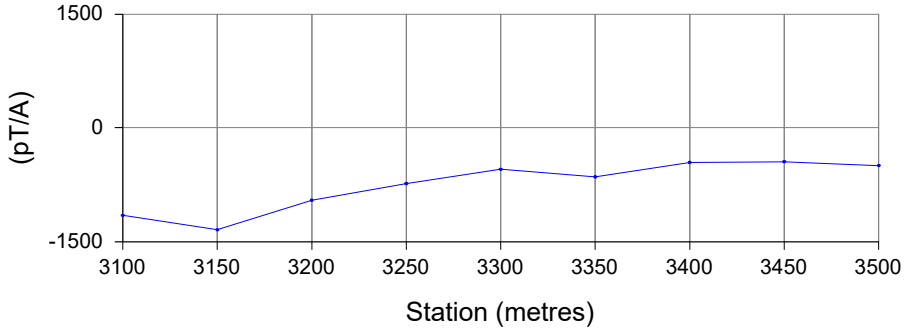
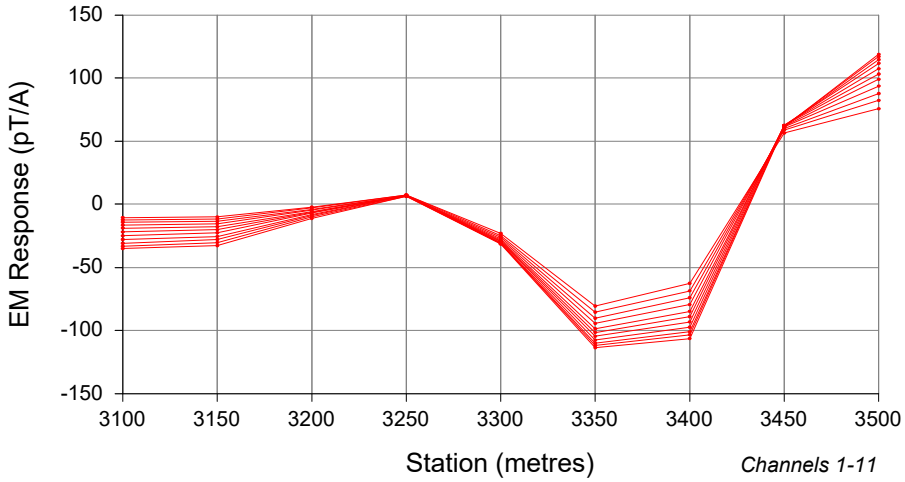
APPENDIX G – REDLINE CENTER MLTEM PROFILE PLOTS

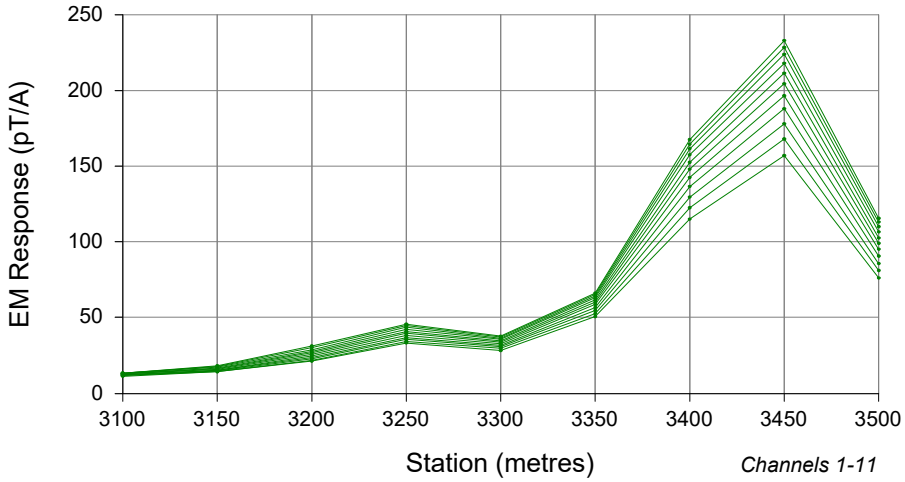
X Primary Field



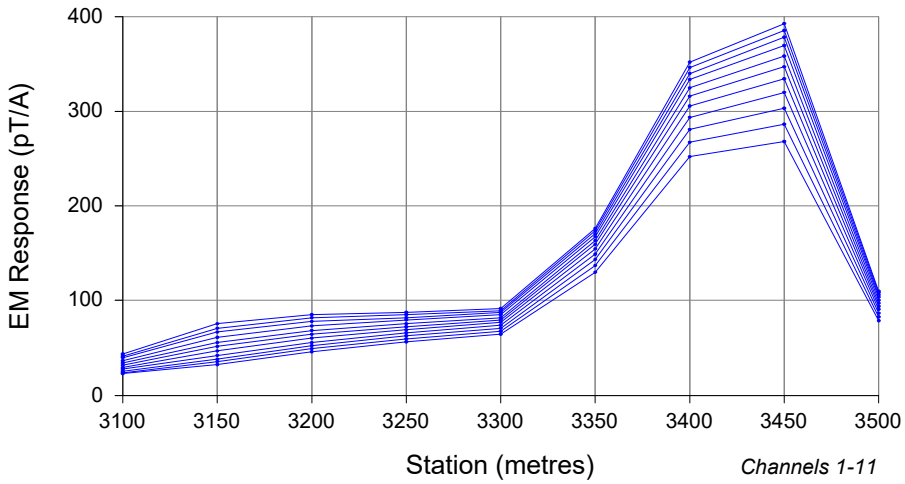
X Component - 0.10 ms to 0.87 ms



Y Component - 0.10 ms to 0.87 ms



Z Component - 0.10 ms to 0.87 ms



SURVEY PARAMETERS

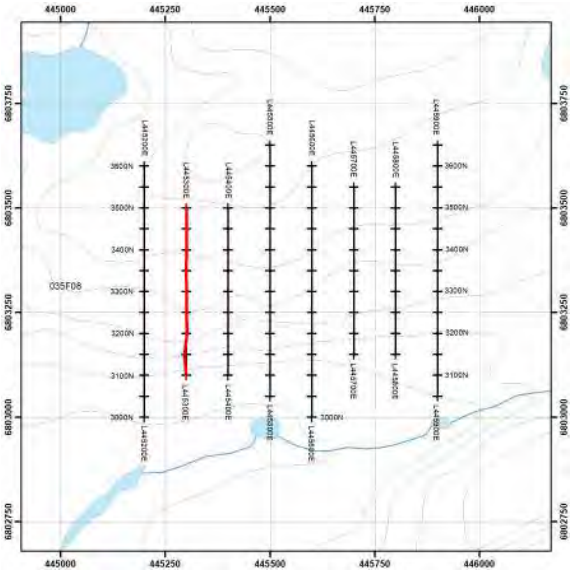
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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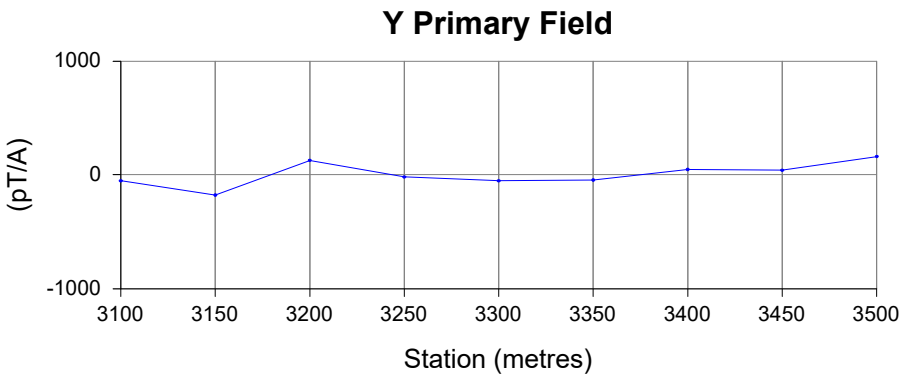

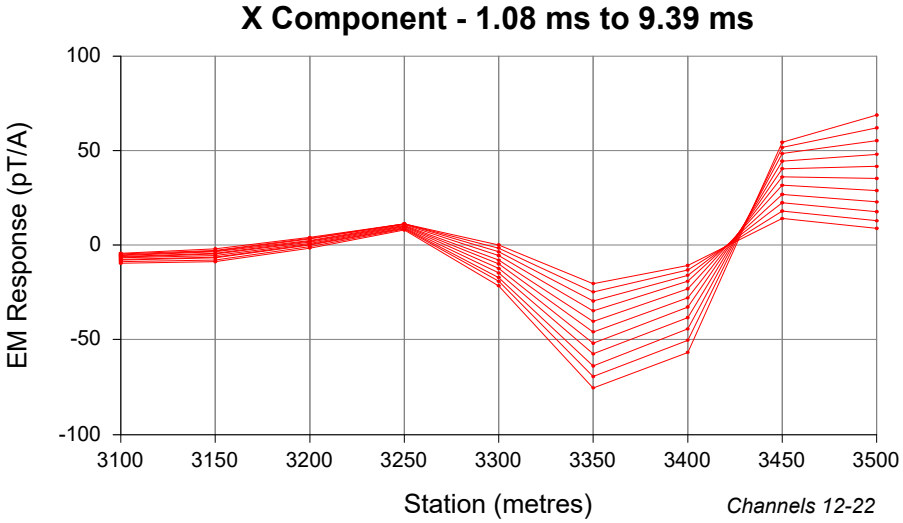

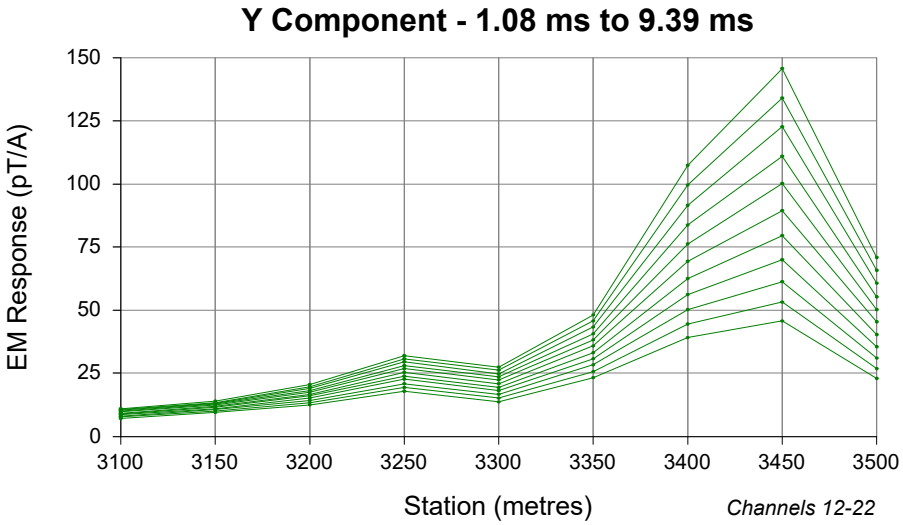

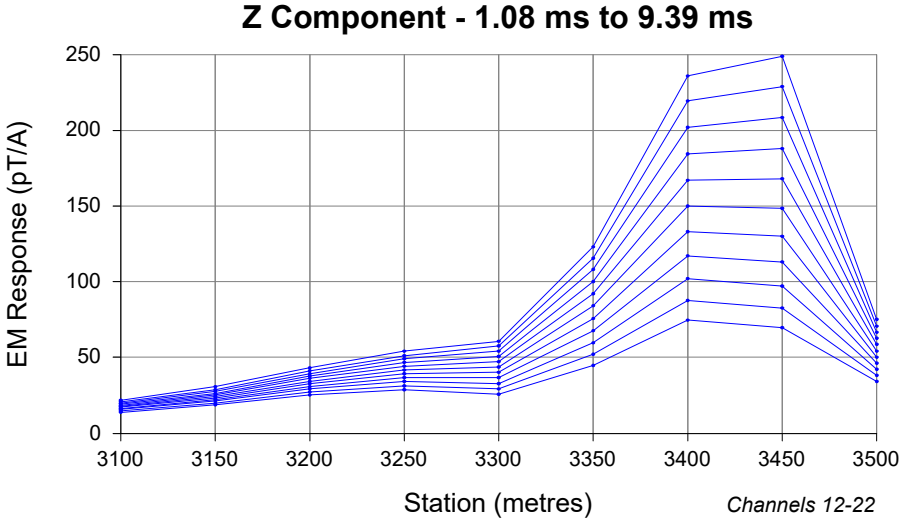

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
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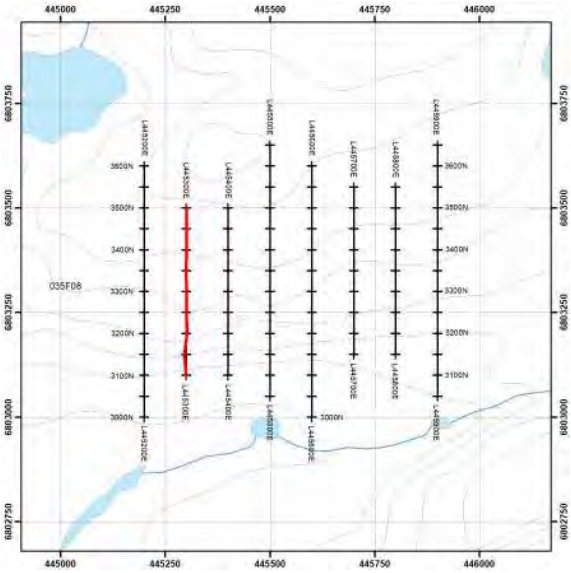

Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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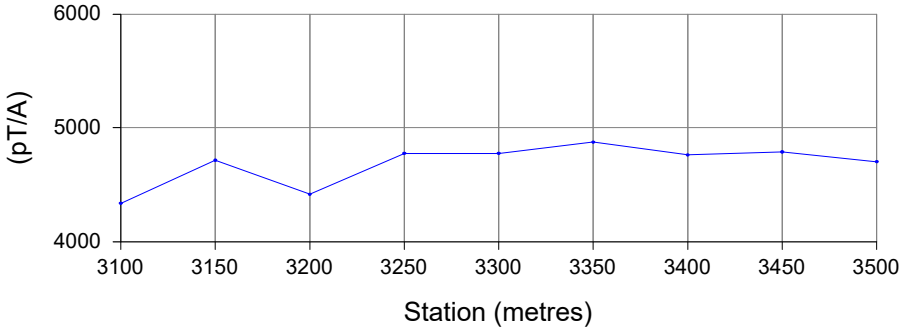
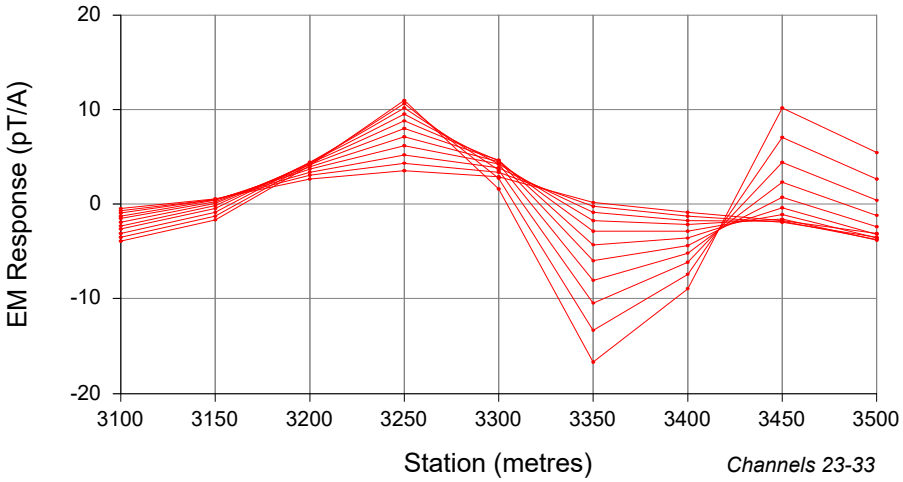
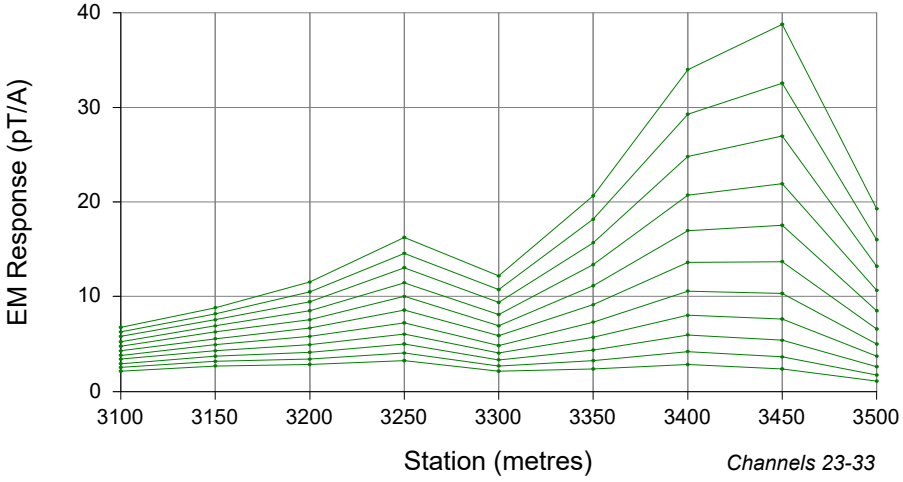
Z Primary Field



X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



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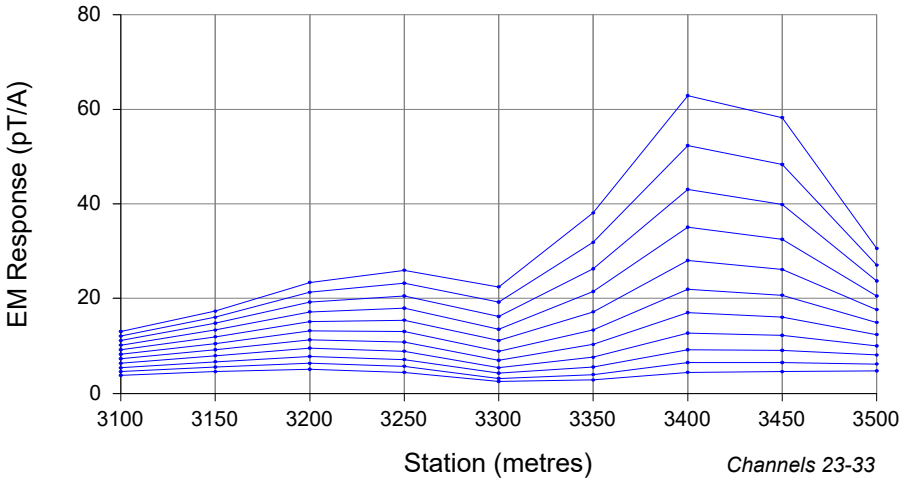

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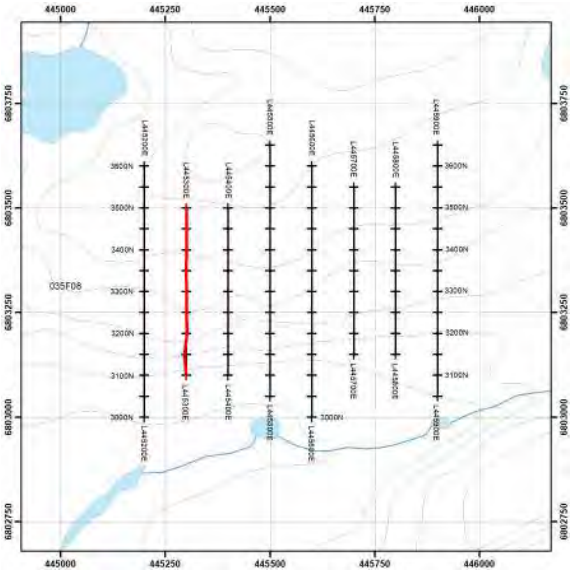

Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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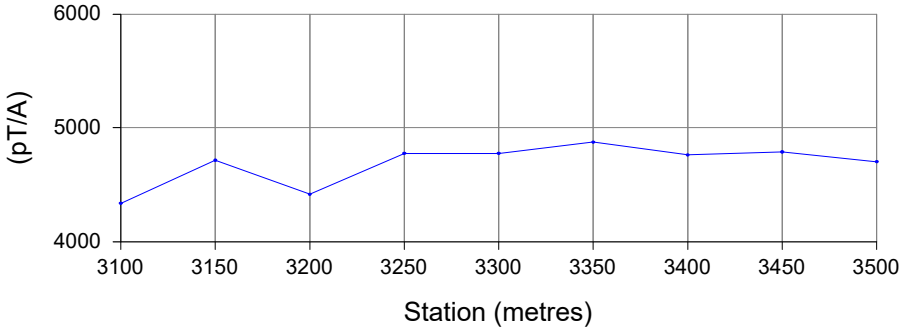
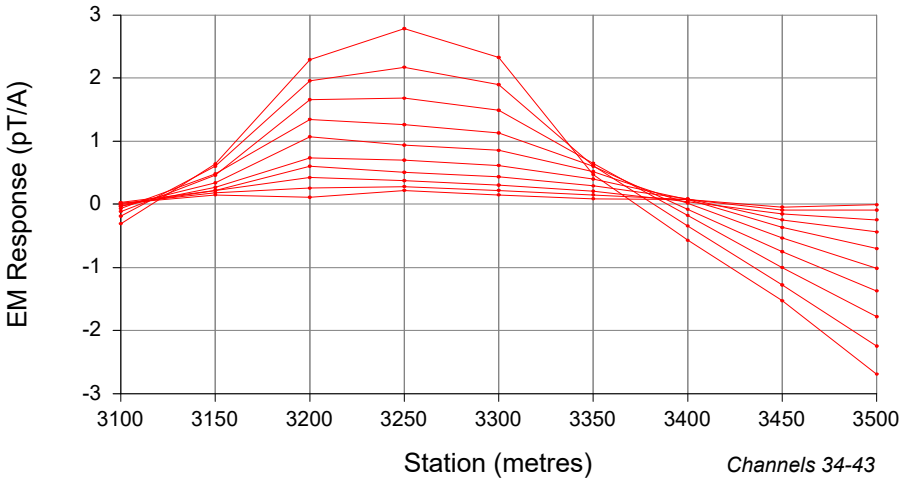
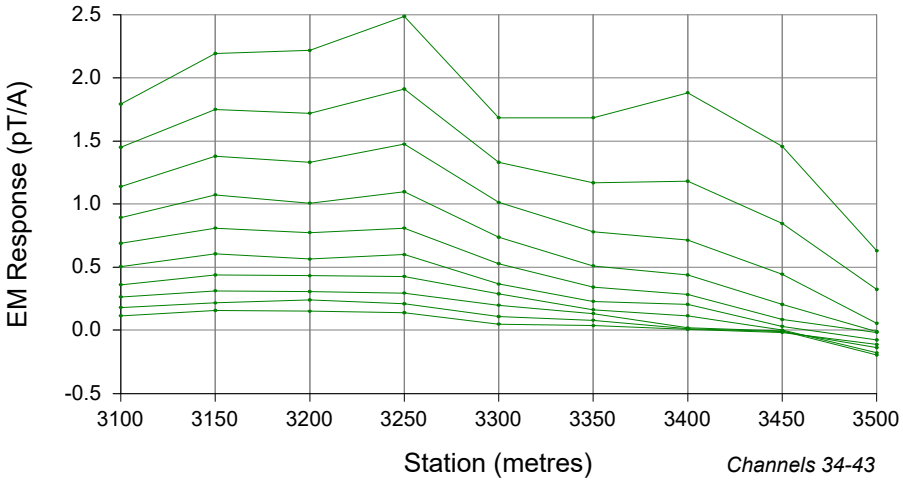
Z Primary Field



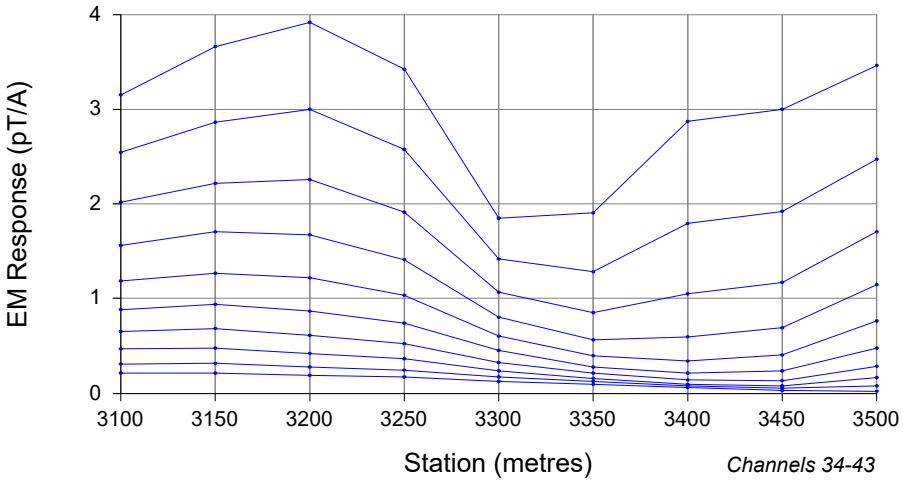
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

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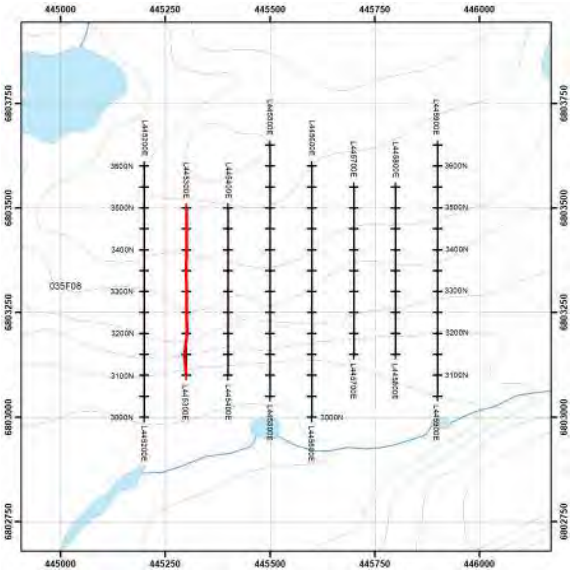

Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445300E

Surveyed By: Joseph Cook
Survey Date: July 2021

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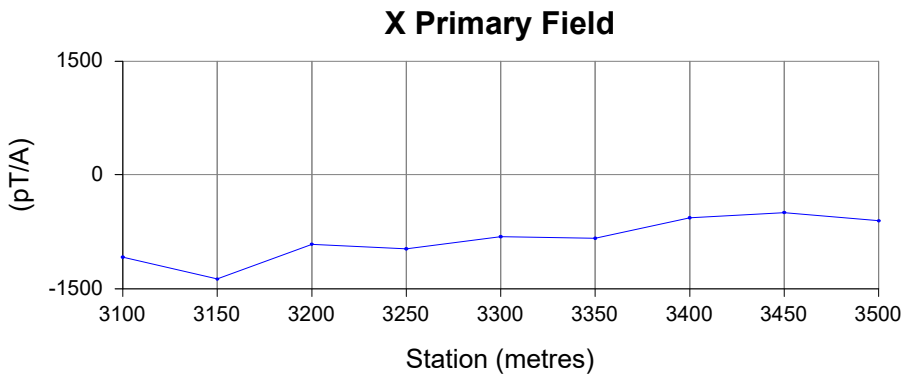
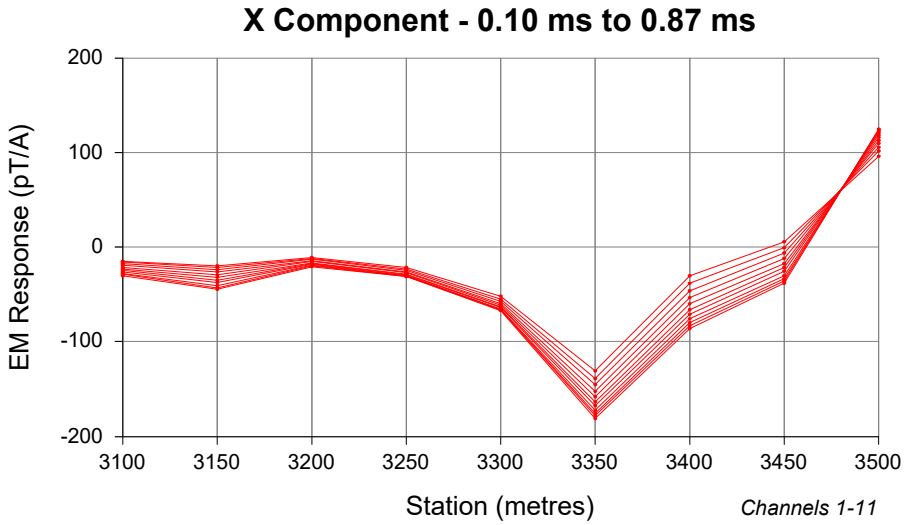
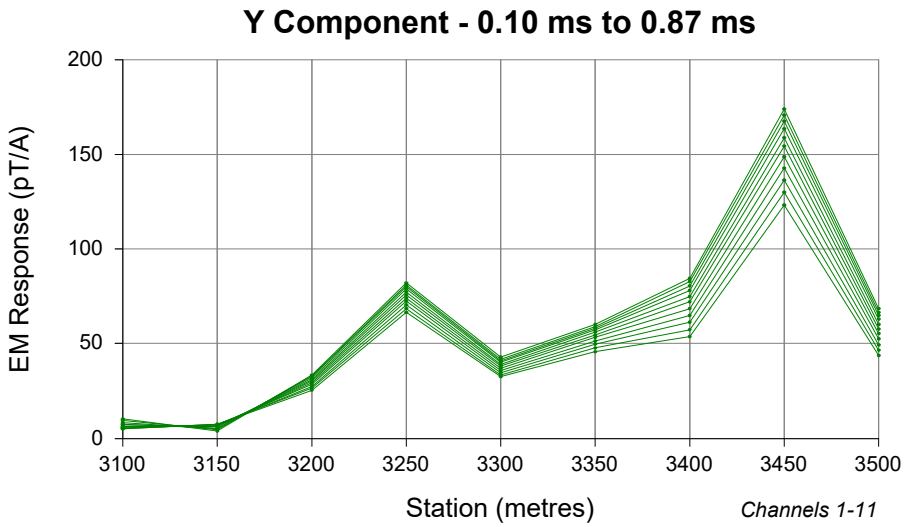
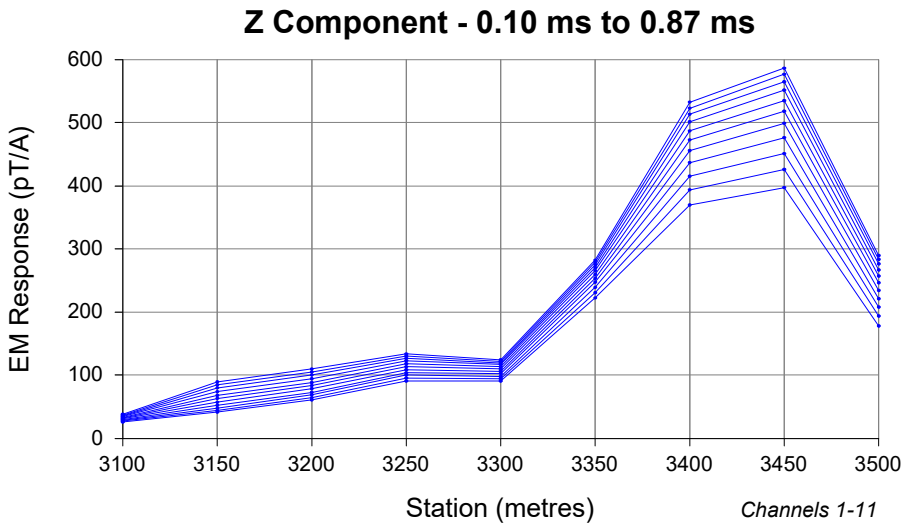








SURVEY PARAMETERS

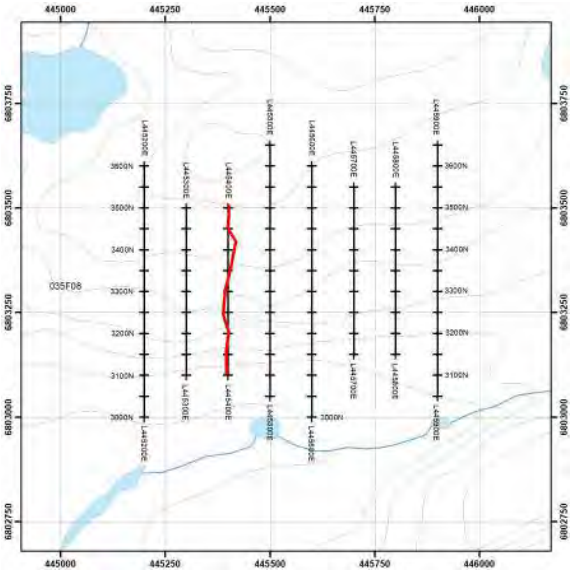
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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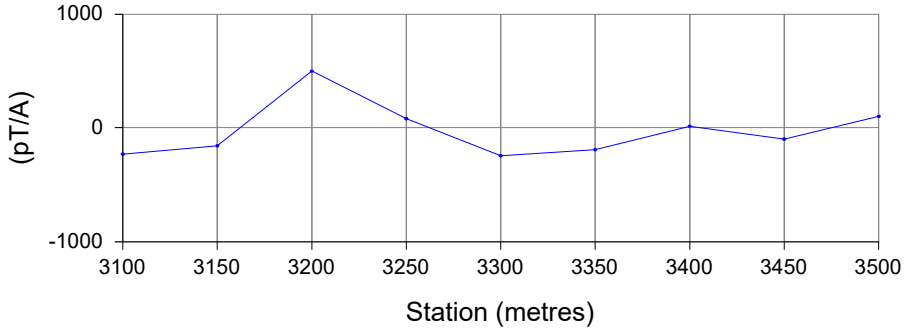
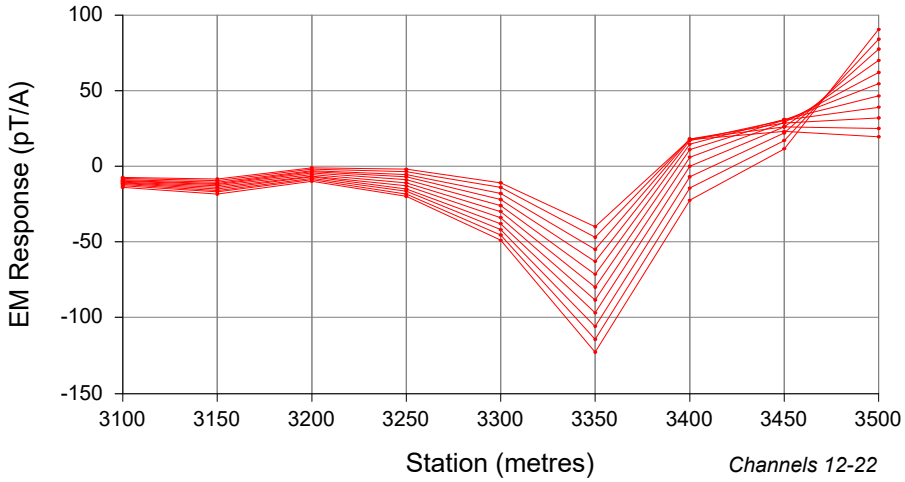
Y Primary Field



X Component - 1.08 ms to 9.39 ms



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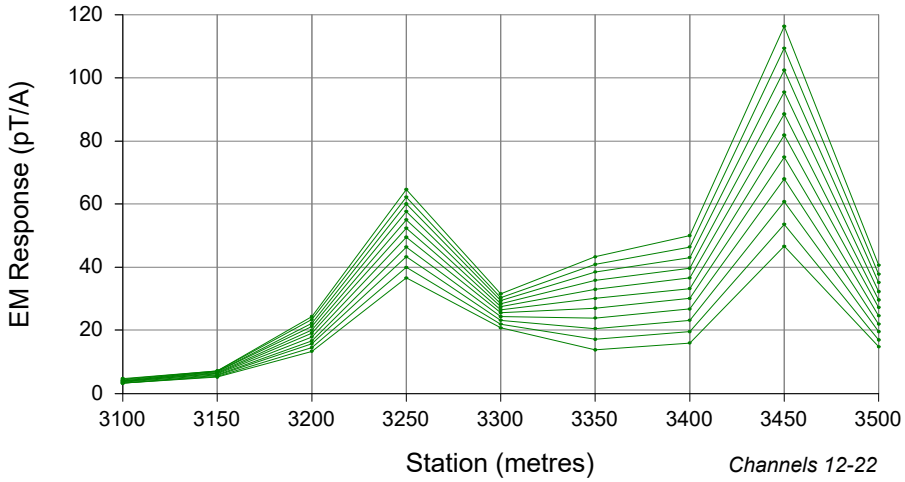

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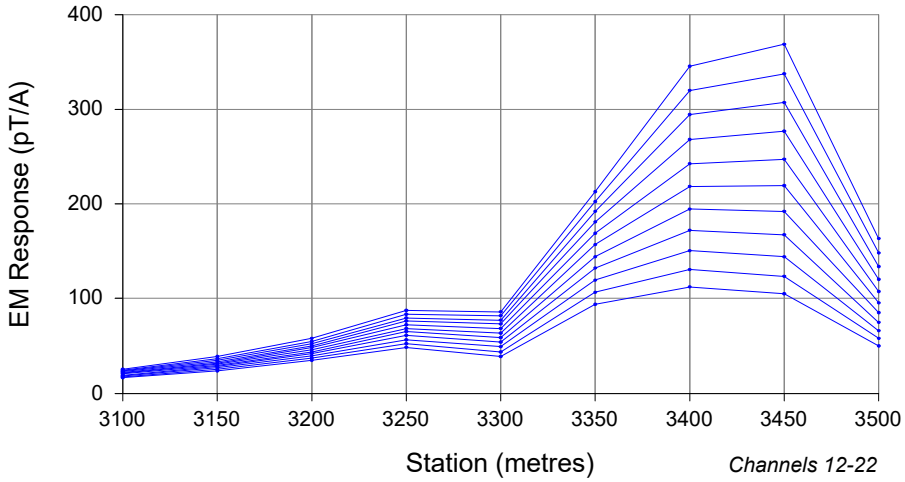

SURVEY PARAMETERS

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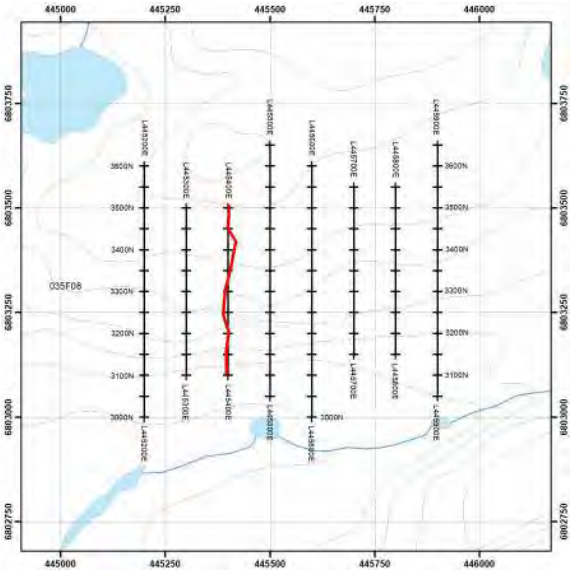

Scale 1:4000

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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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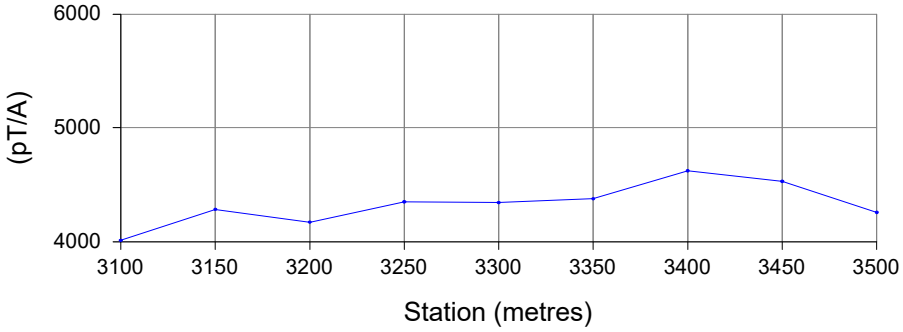
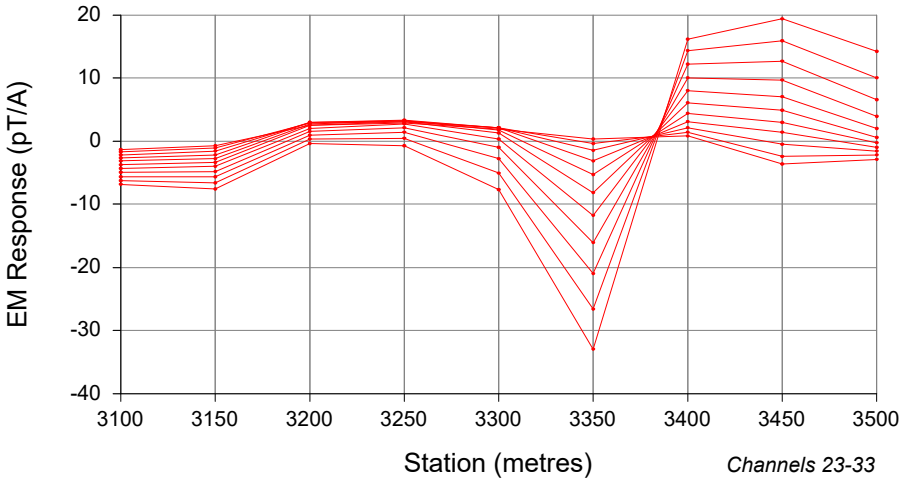
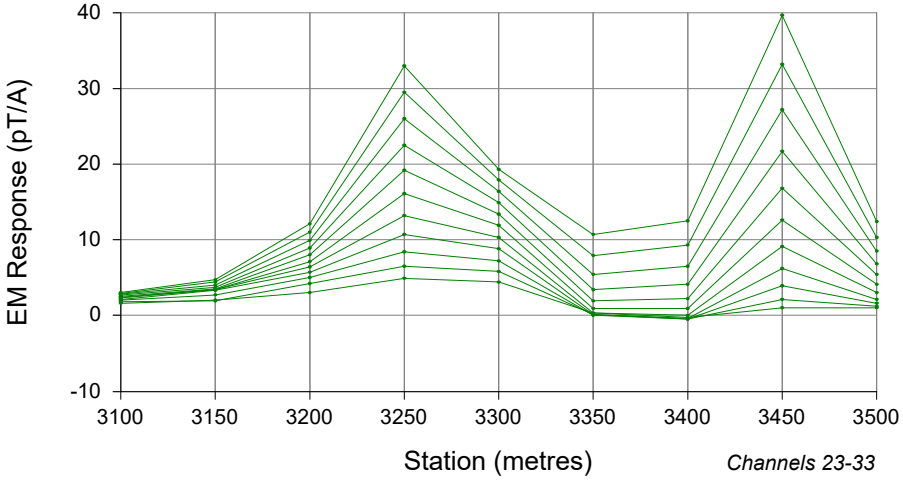
Z Primary Field



X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



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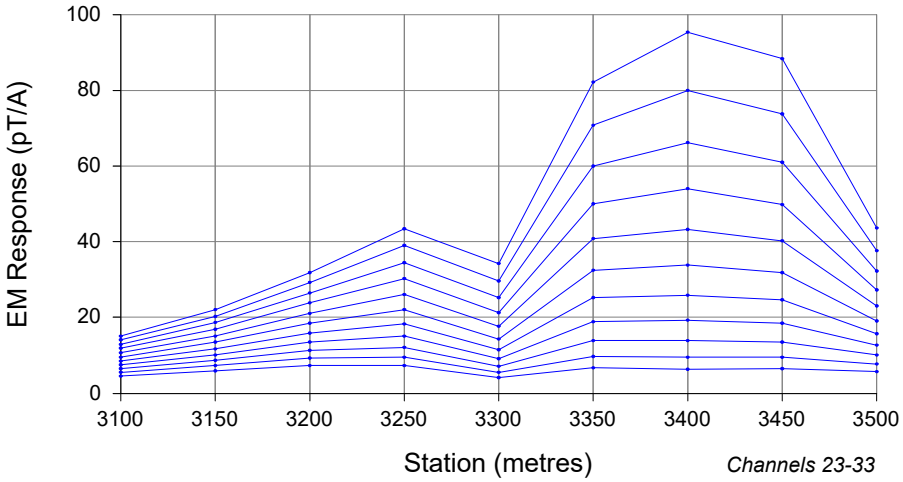

SURVEY PARAMETERS

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RECEIVER

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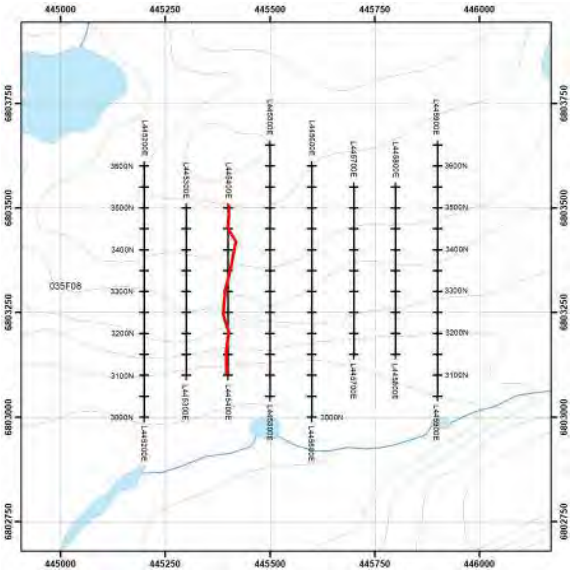

Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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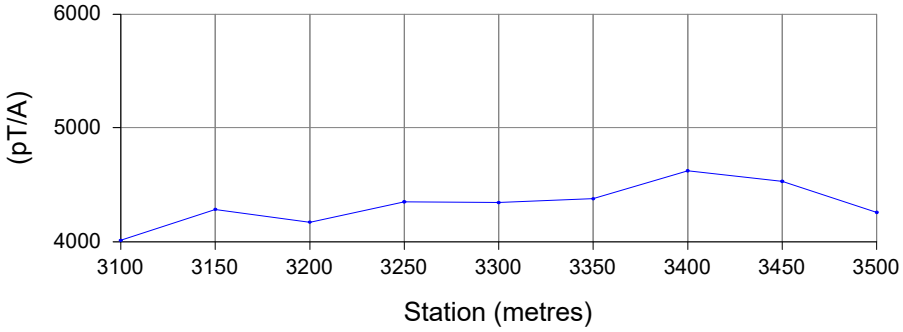
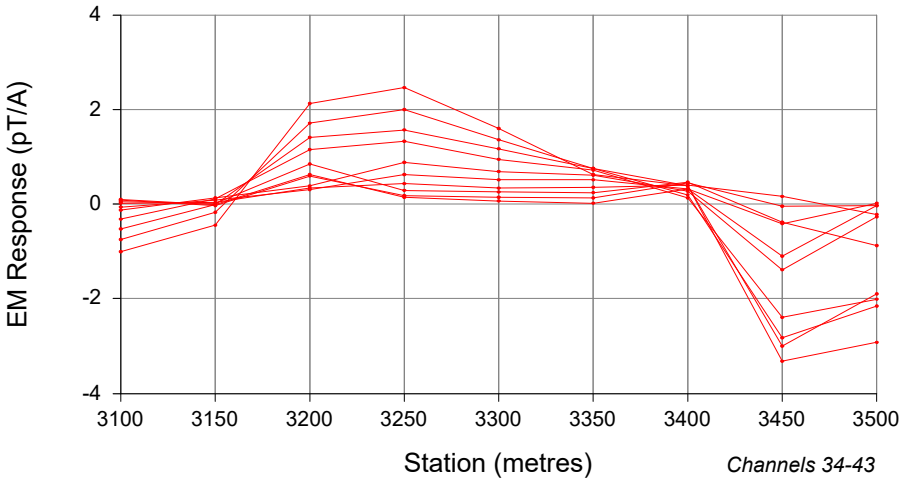
Z Primary Field



X Component - 125.90 ms to 881.80 ms



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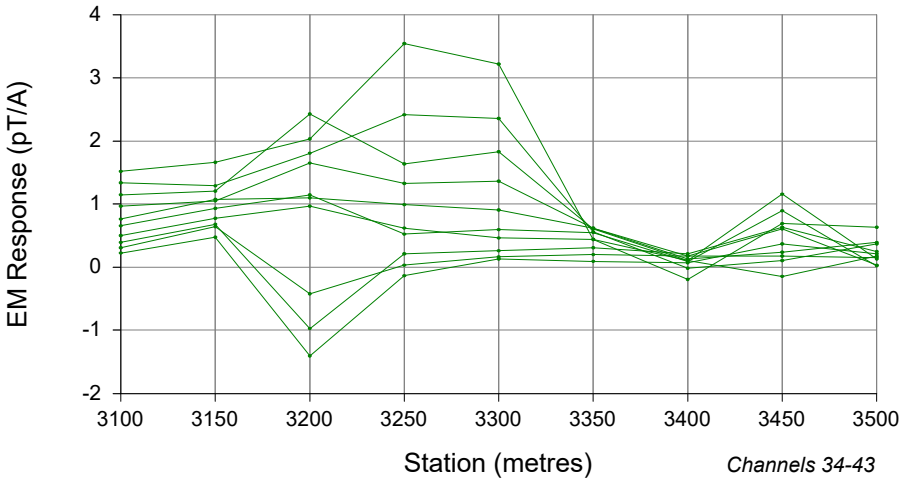
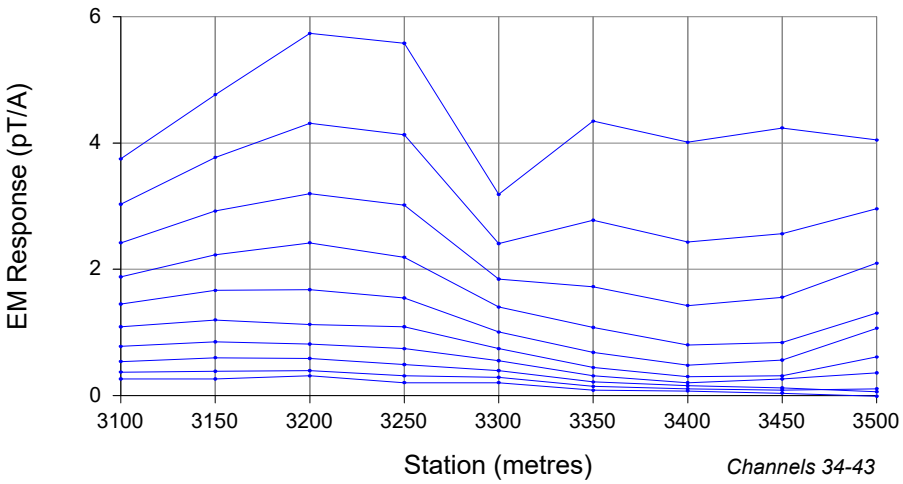


Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

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Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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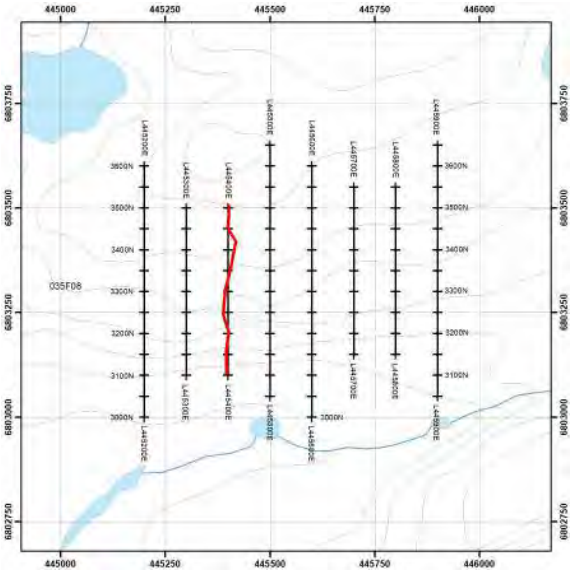
TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445400E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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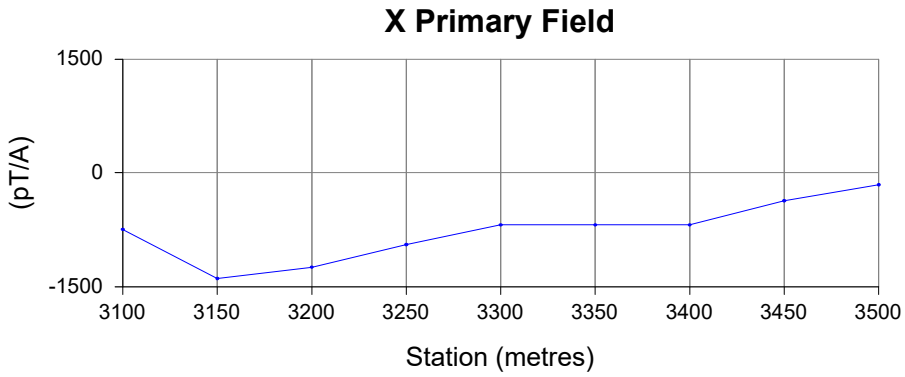

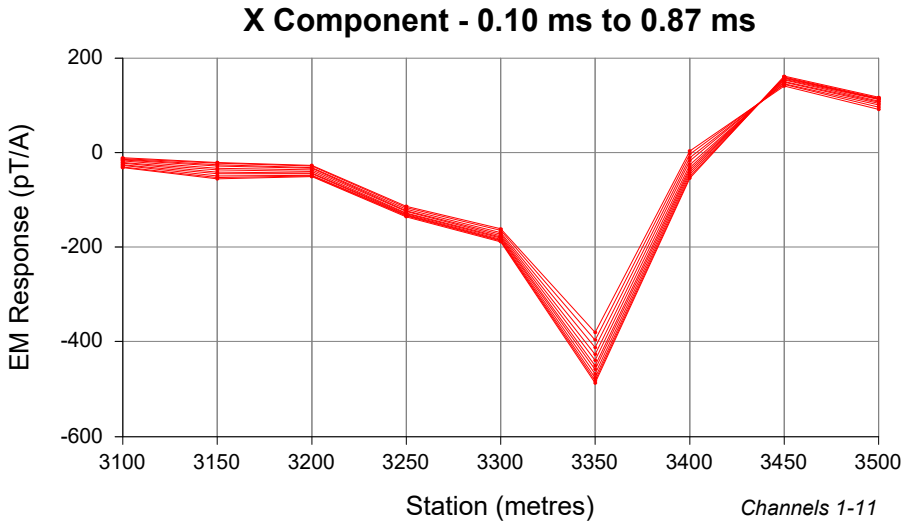

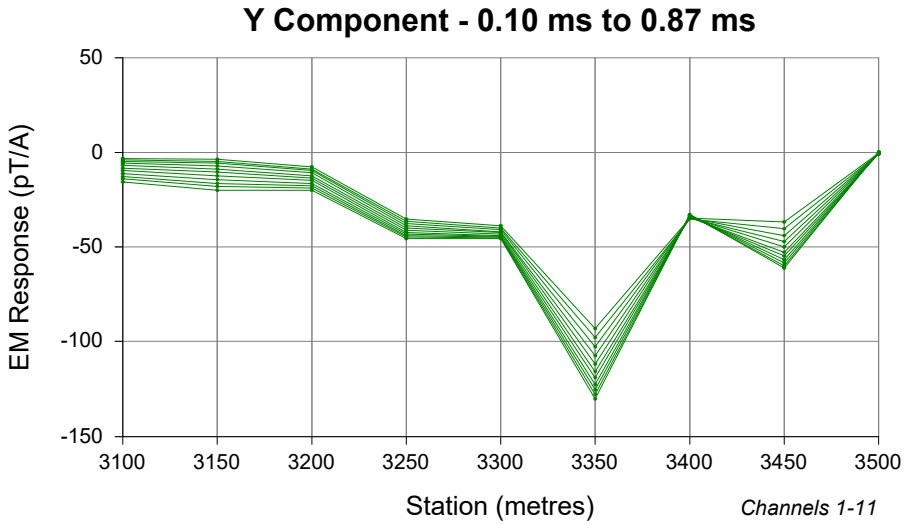

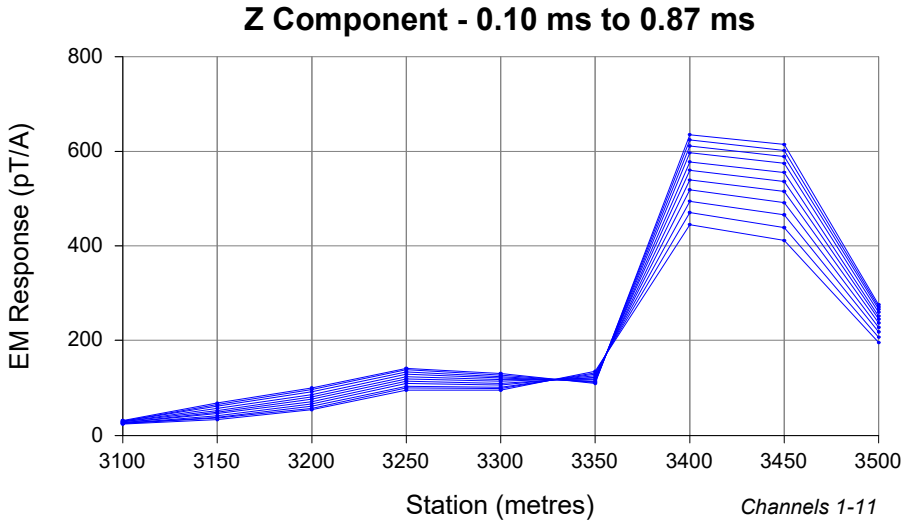

SURVEY PARAMETERS

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RECEIVER

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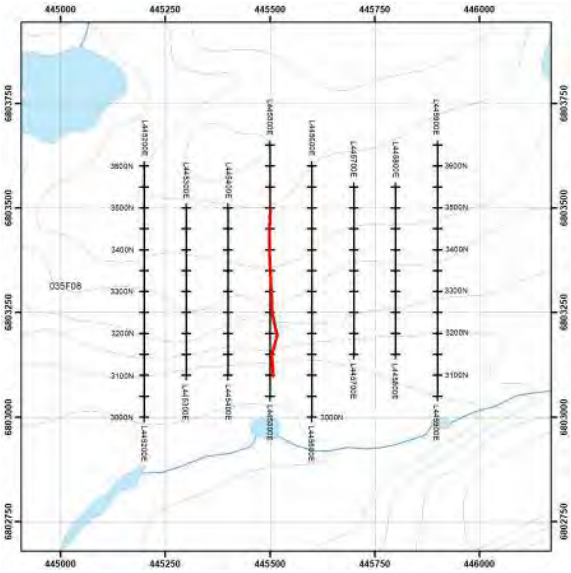
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445500E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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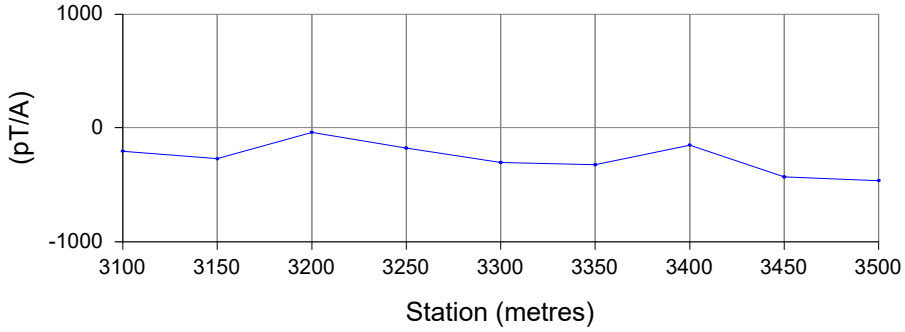
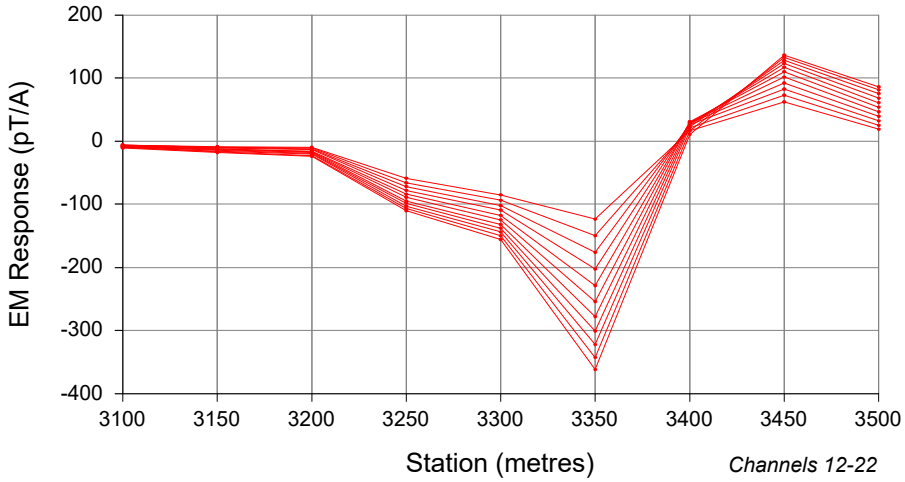
Y Primary Field



X Component - 1.08 ms to 9.39 ms



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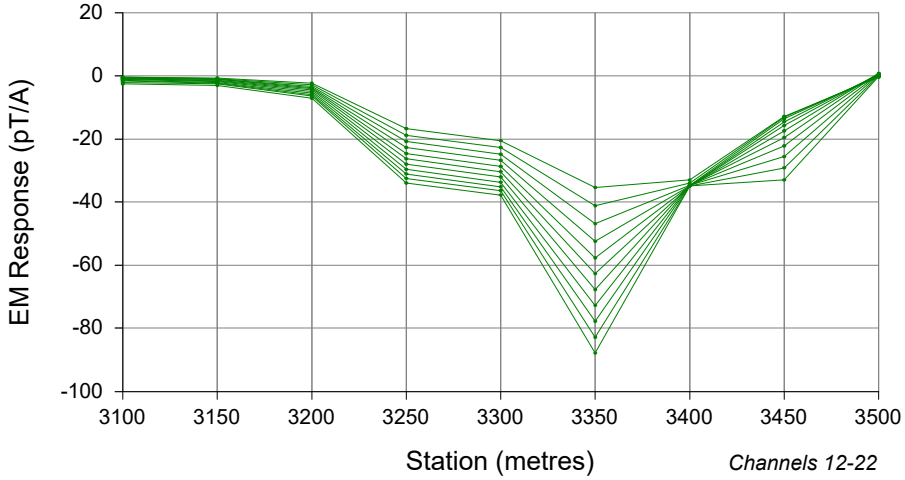

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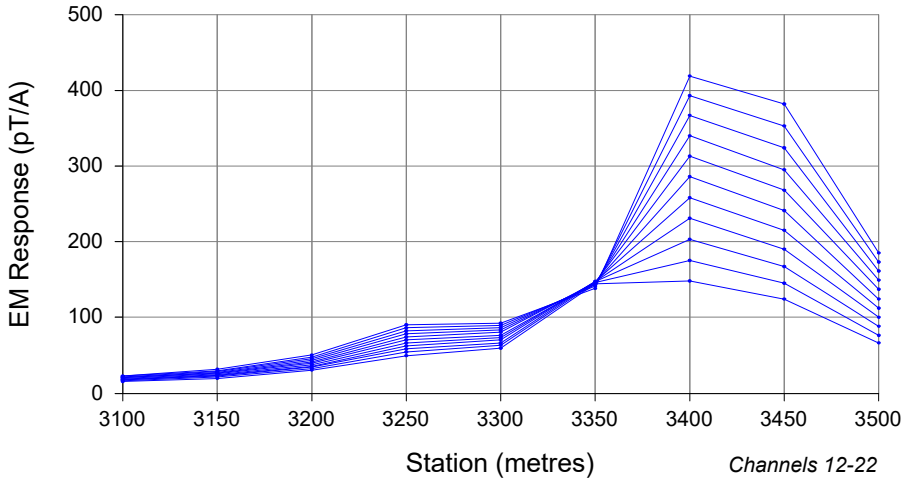

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
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RECEIVER

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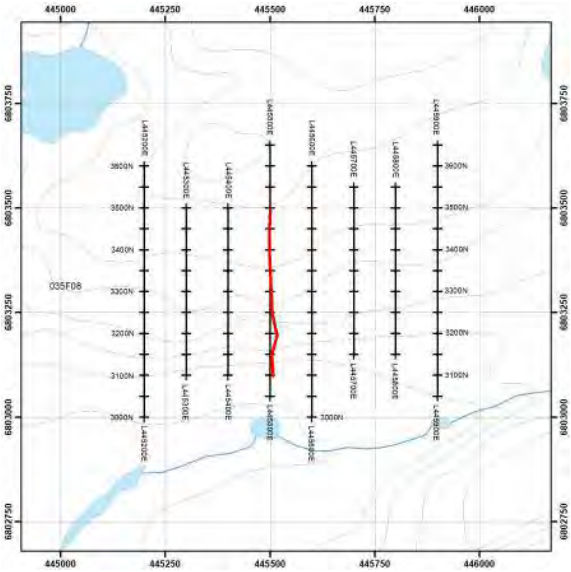

Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445500E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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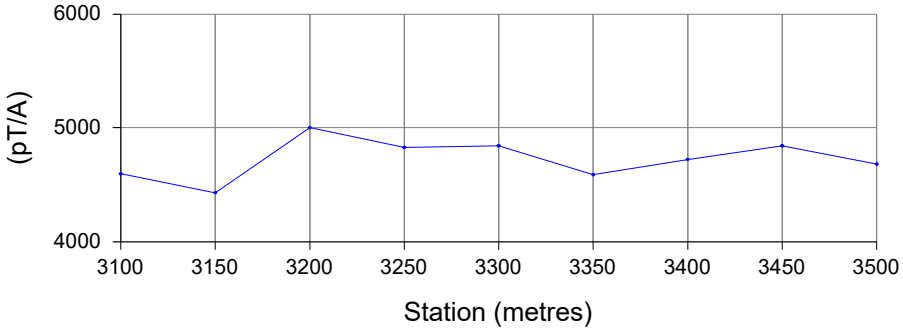
Z Primary Field



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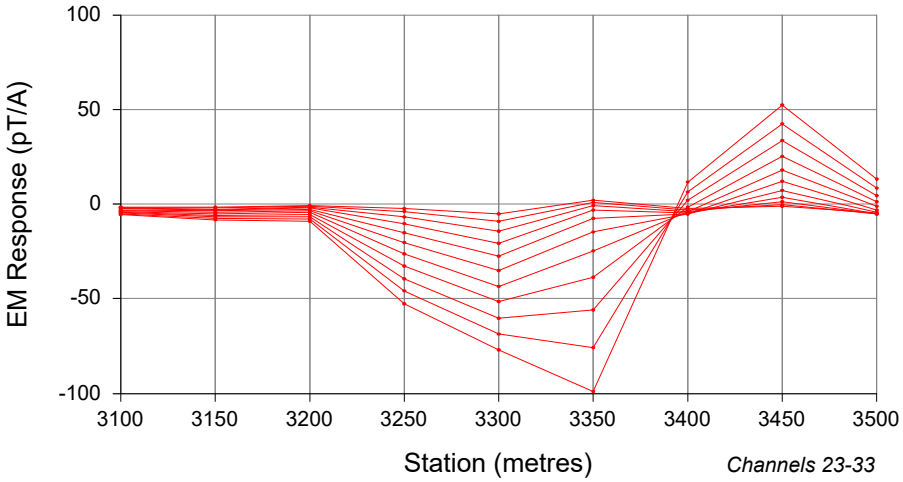

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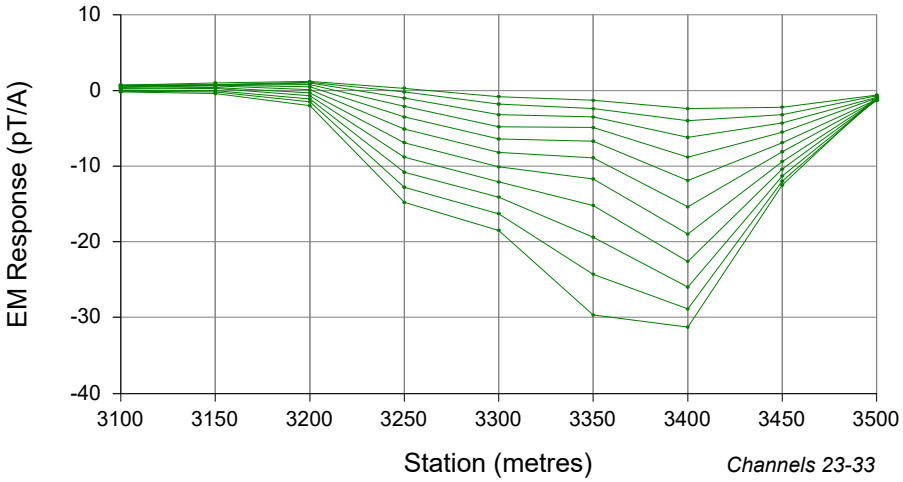

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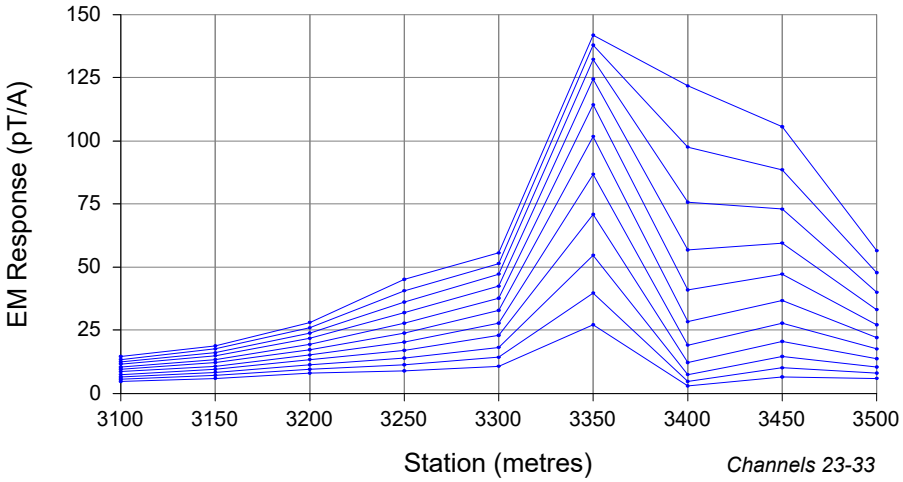

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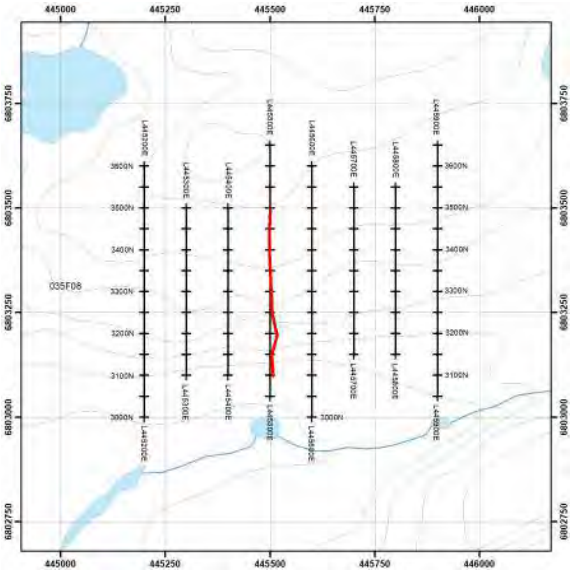

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Line 445500E

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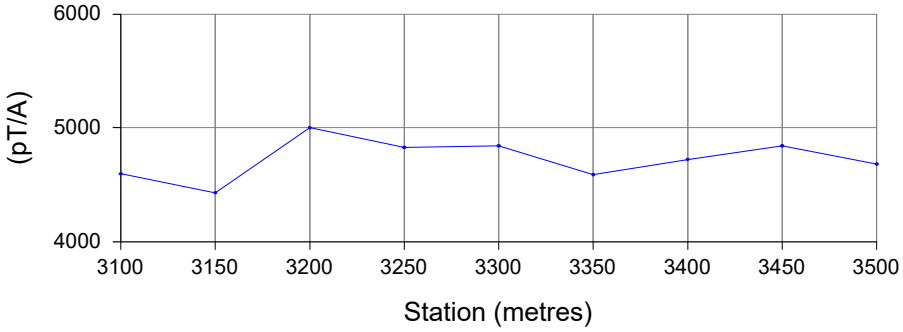
Z Primary Field



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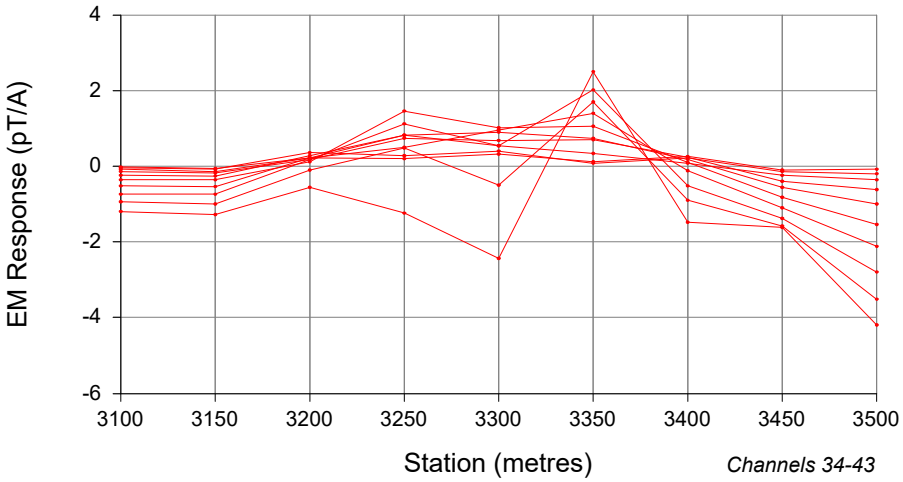

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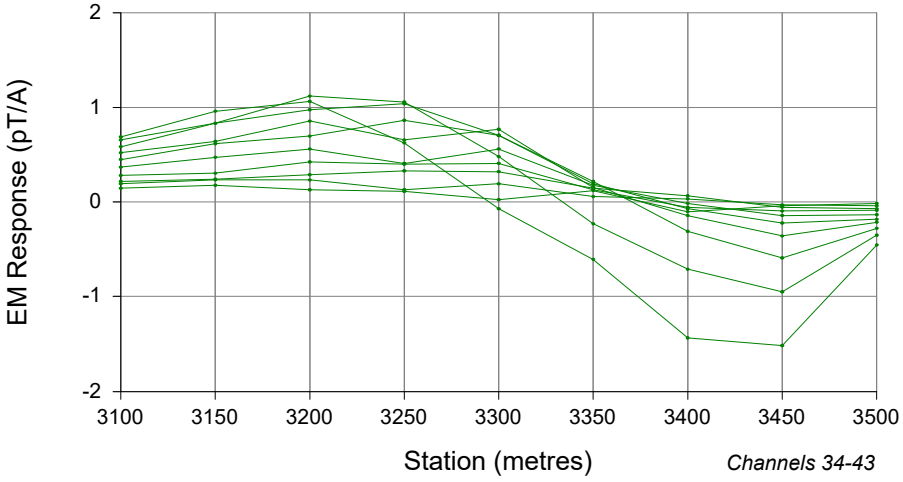

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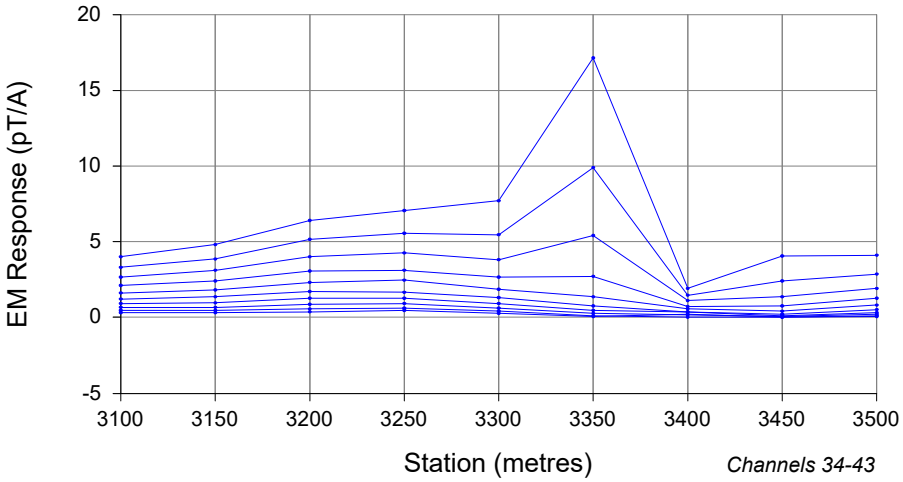

SURVEY PARAMETERS

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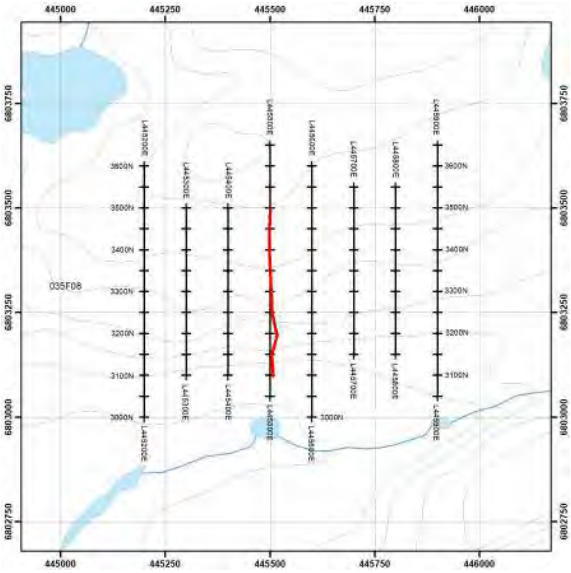

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Line 445500E

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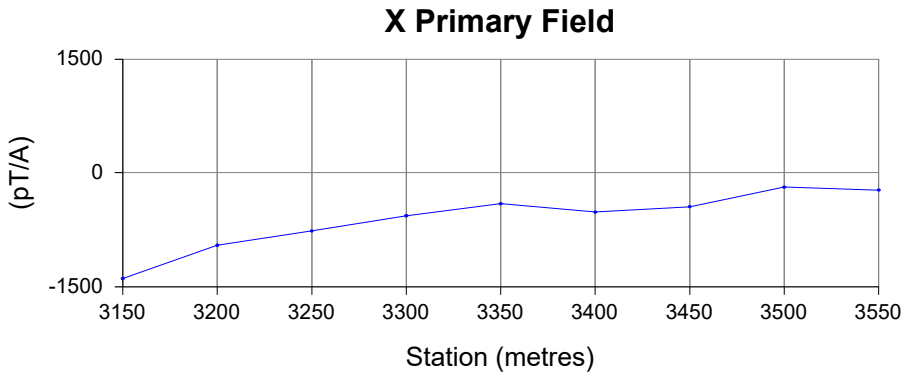
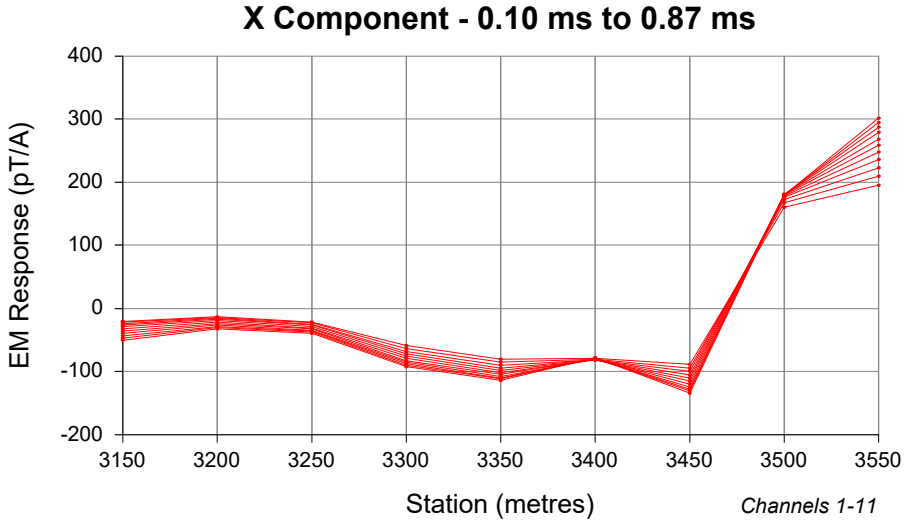
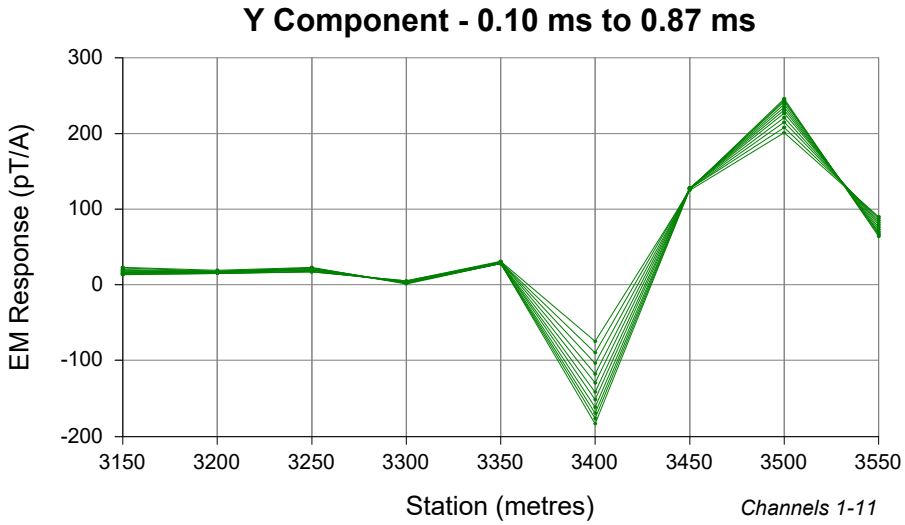
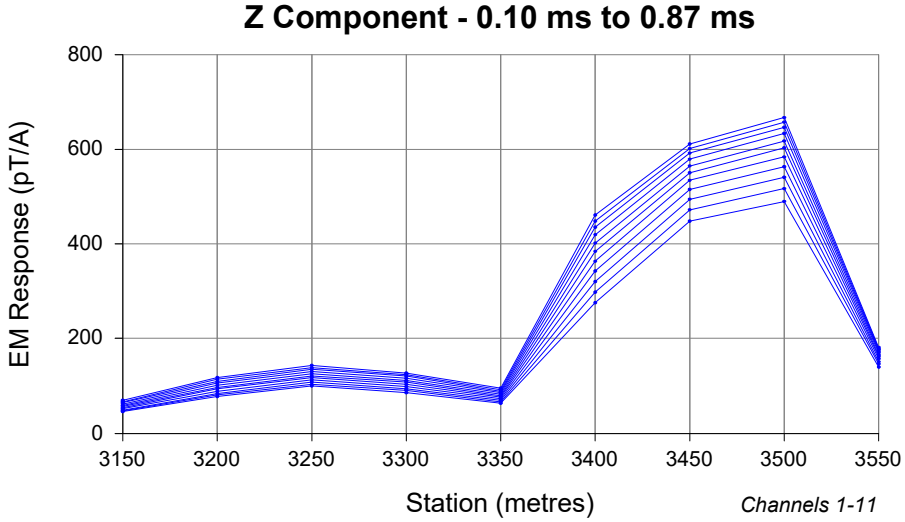








SURVEY PARAMETERS

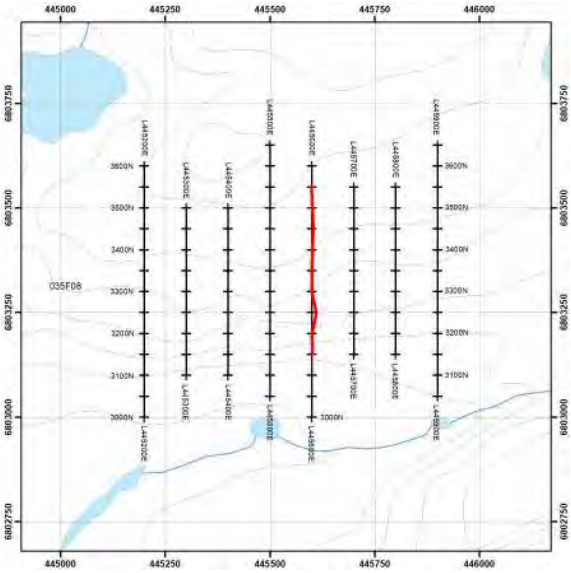
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445600E

Surveyed By: Joseph Cook
Survey Date: July 2021

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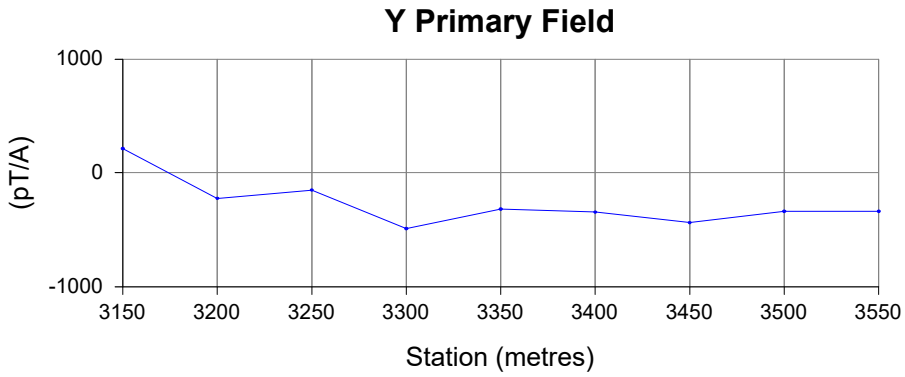
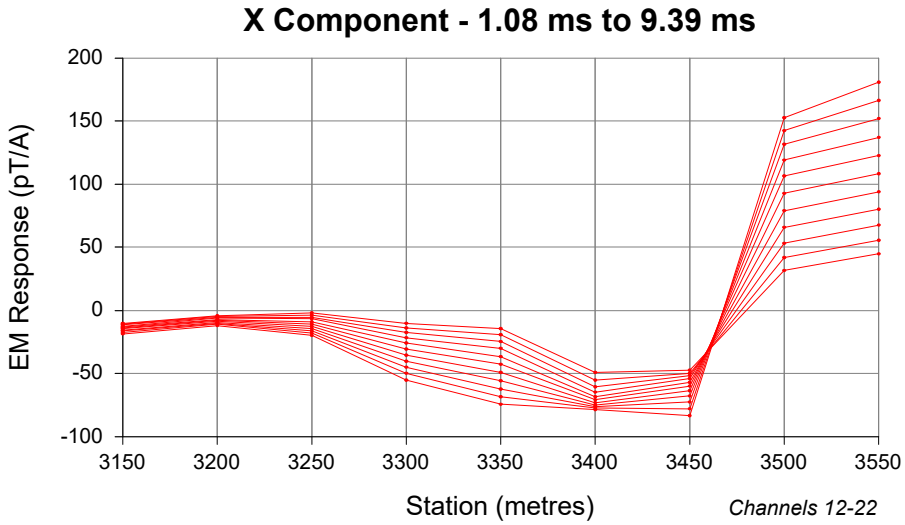
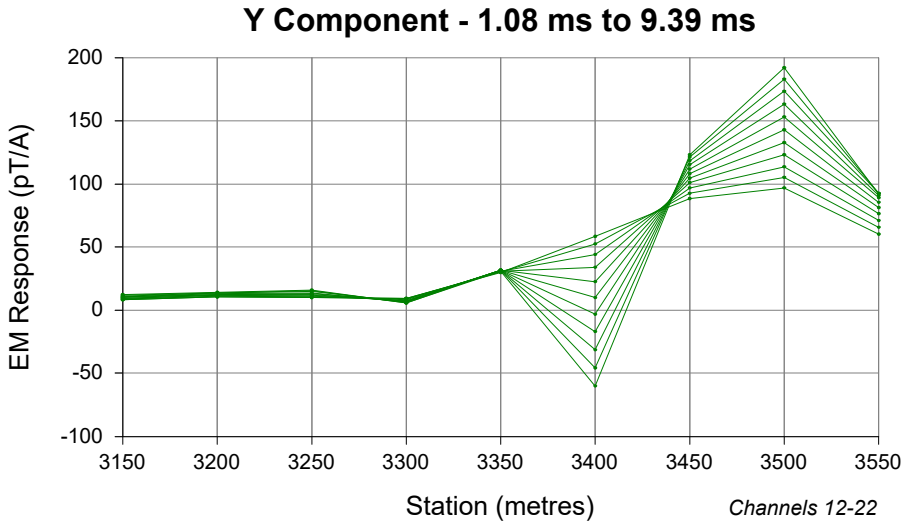
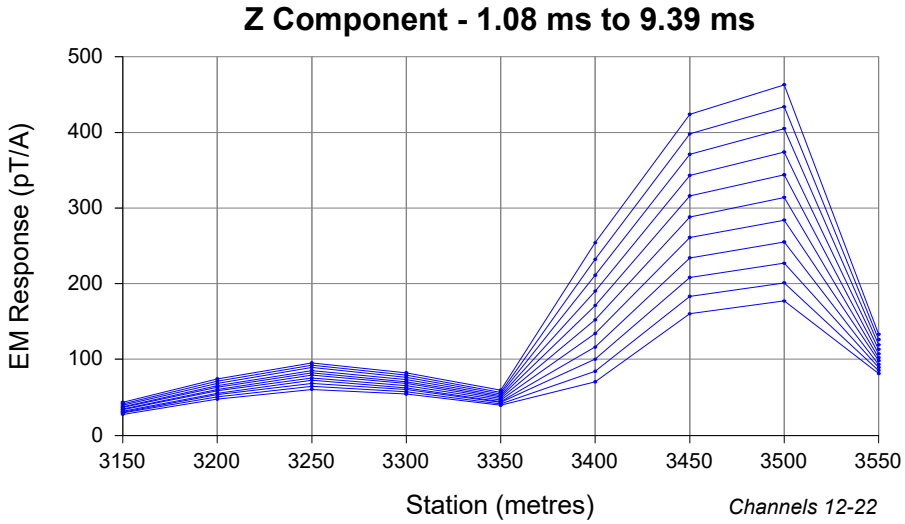








SURVEY PARAMETERS

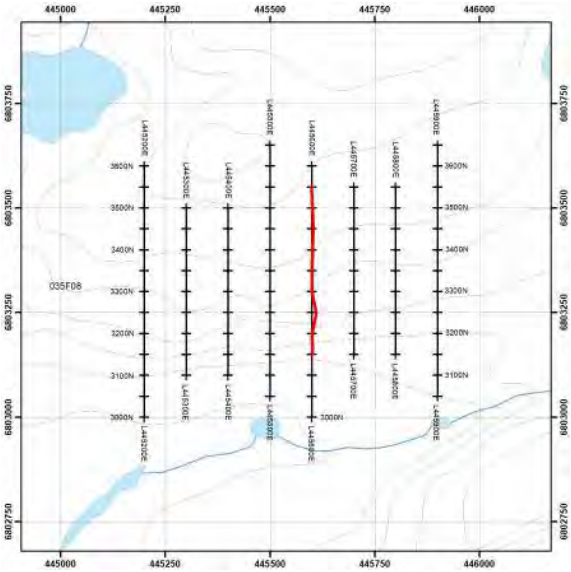
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445600E

Surveyed By: Joseph Cook
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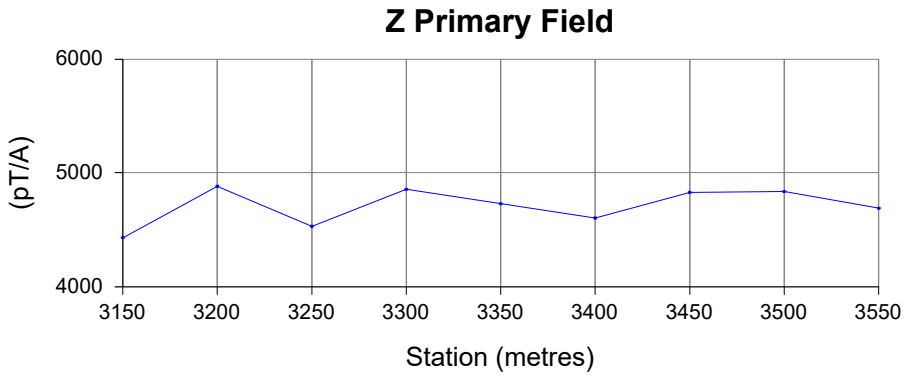

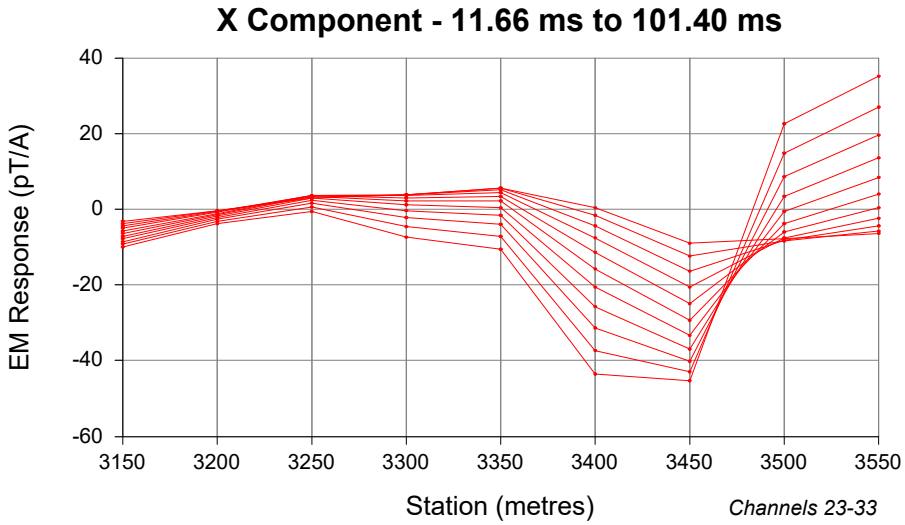

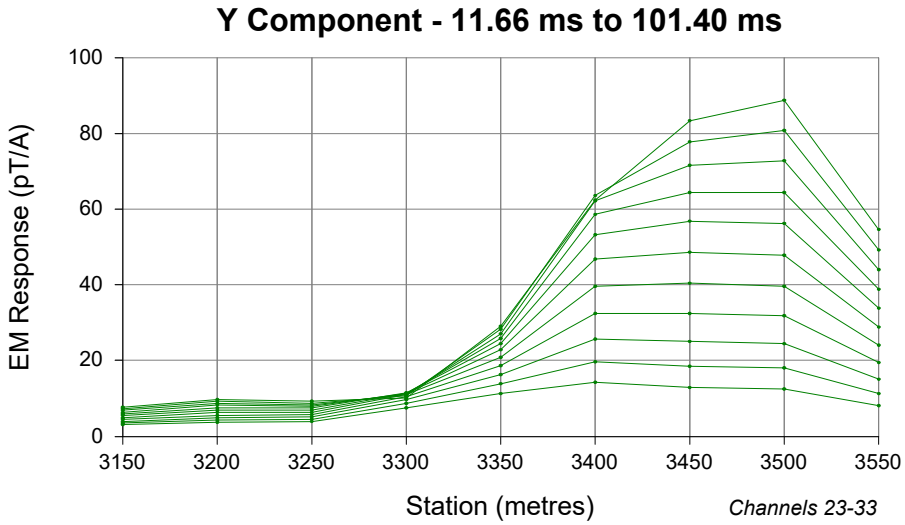

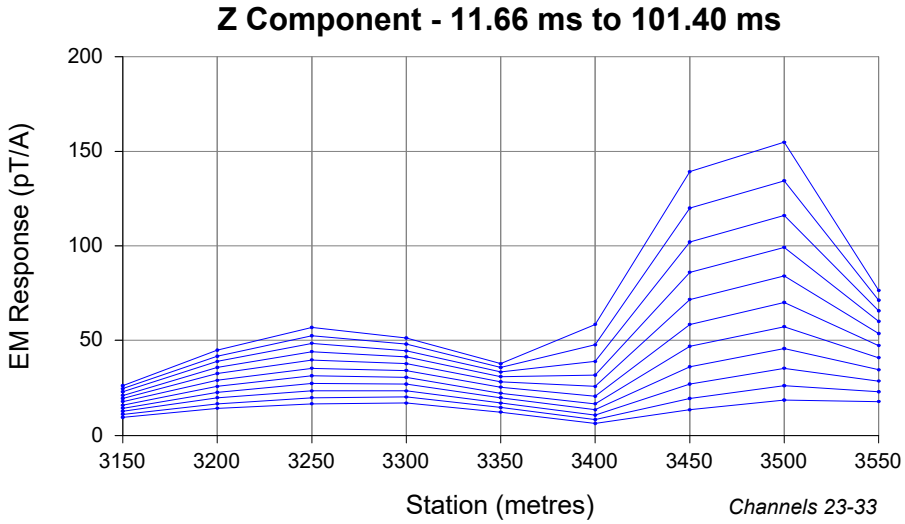

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
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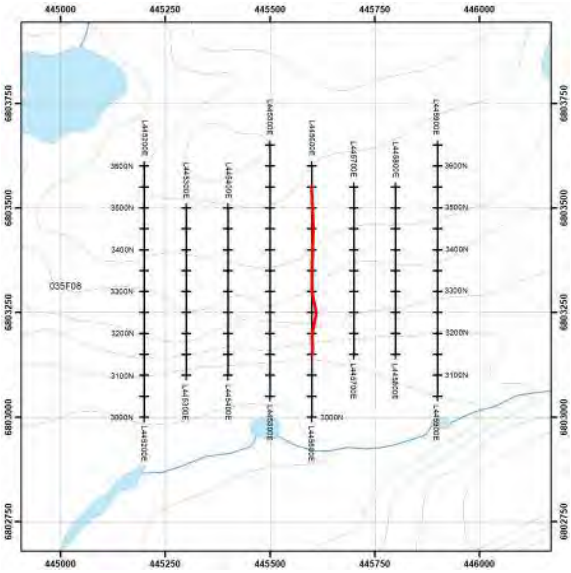

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Orford Mining Corp.
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445600E

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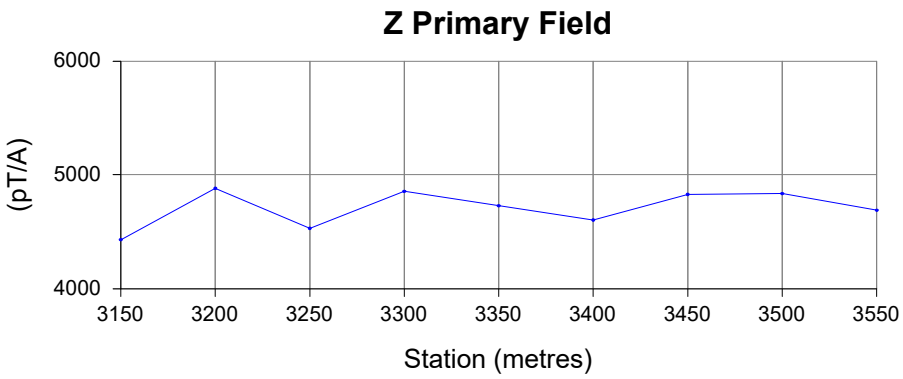

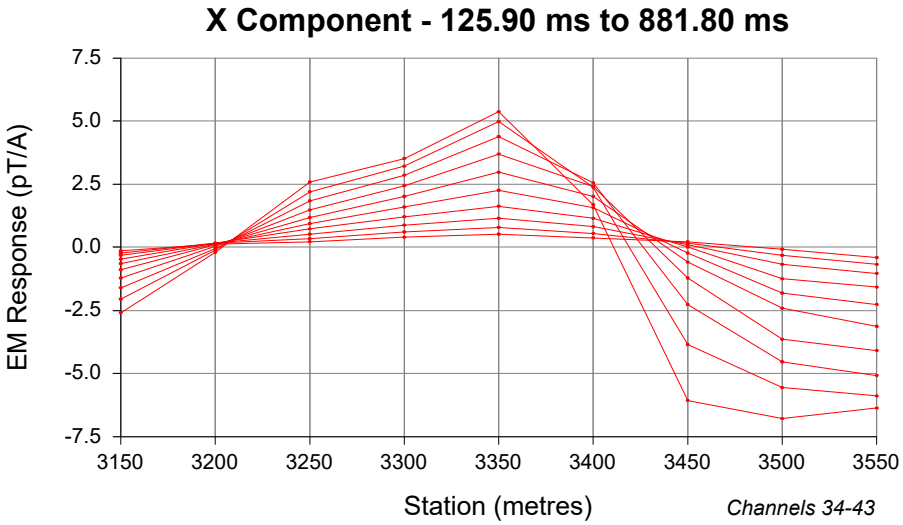

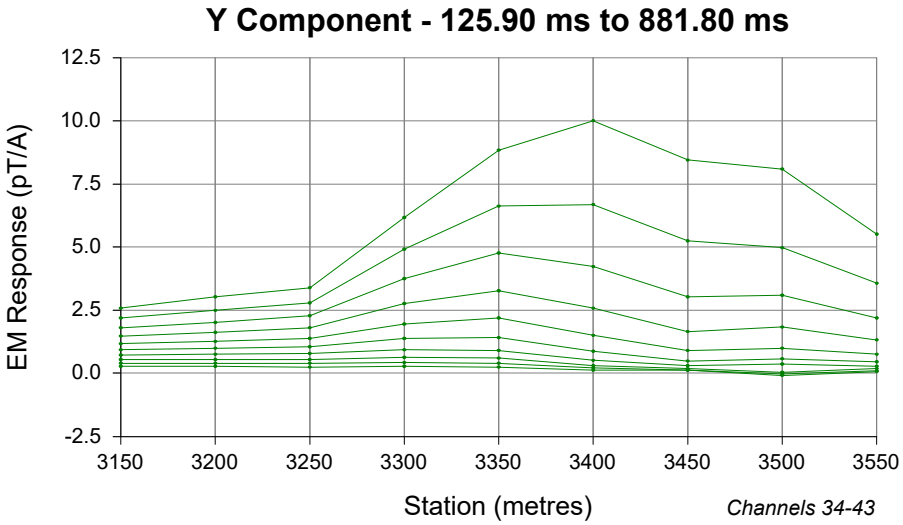

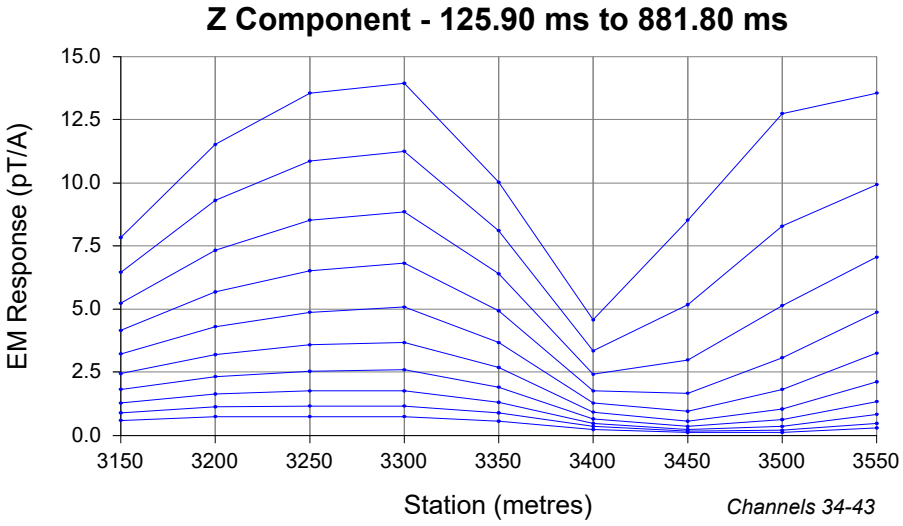

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
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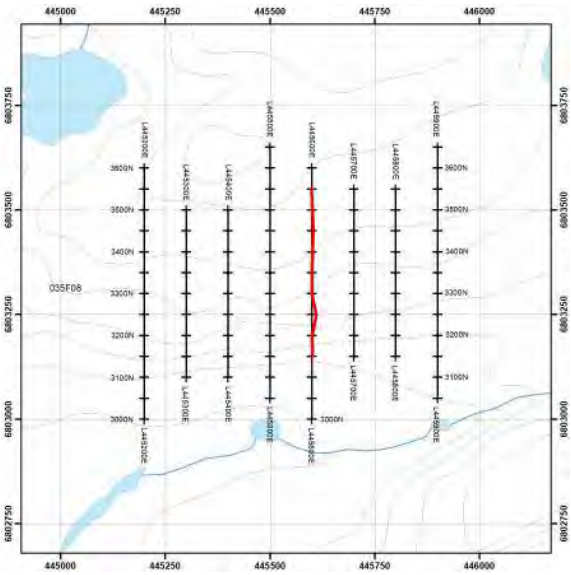
Turn Off	: 0.500 ms



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West Raglan Project
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445600E

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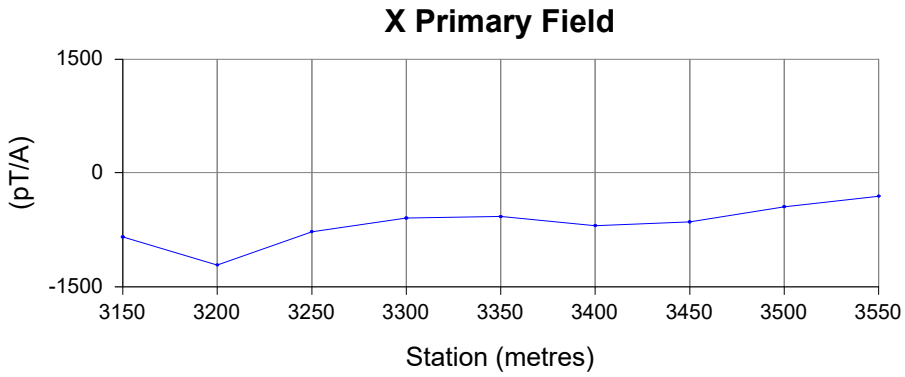

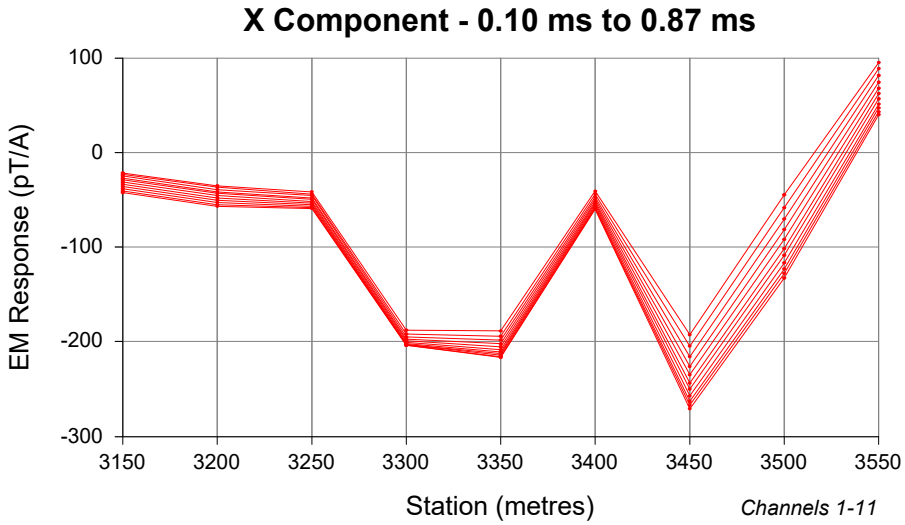

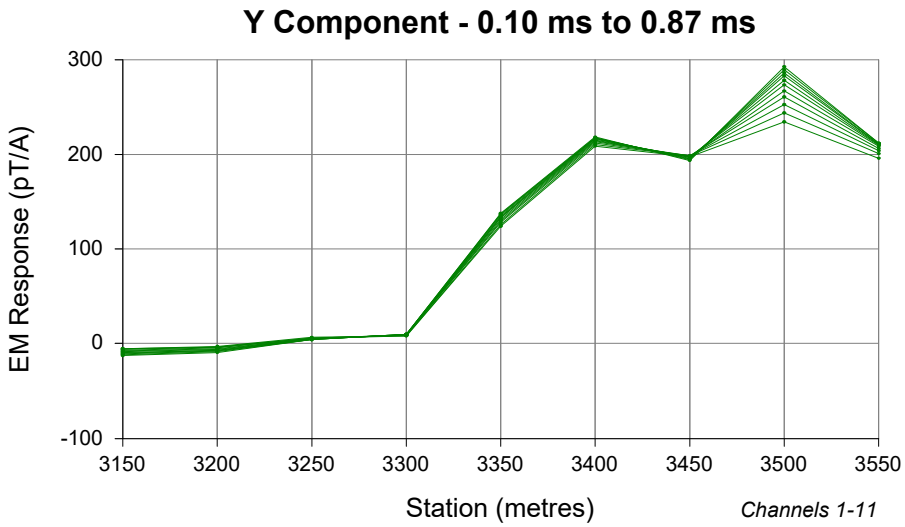

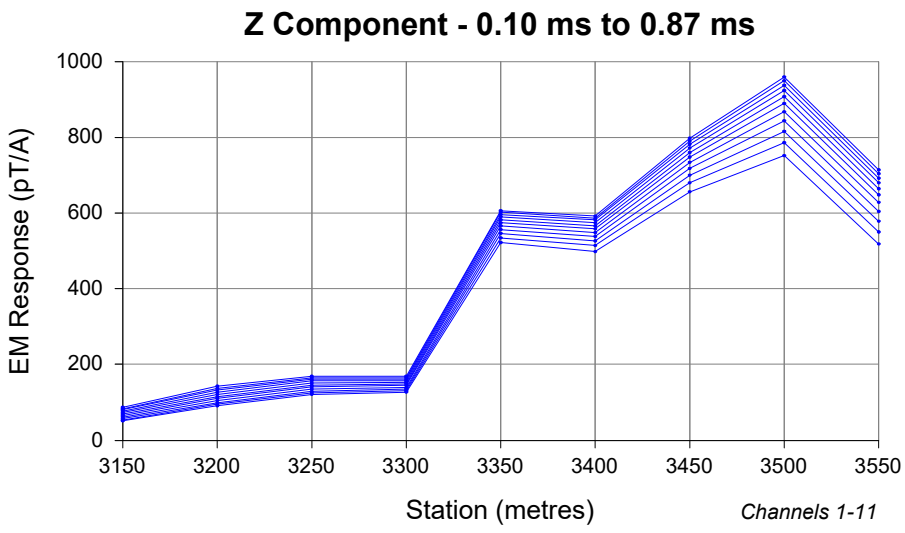

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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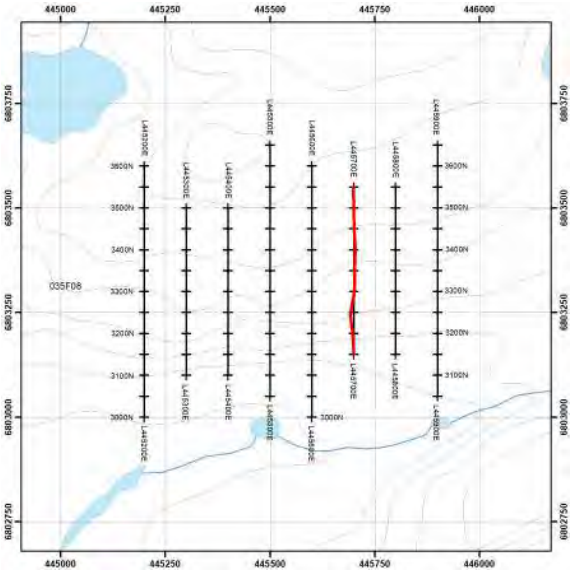
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445700E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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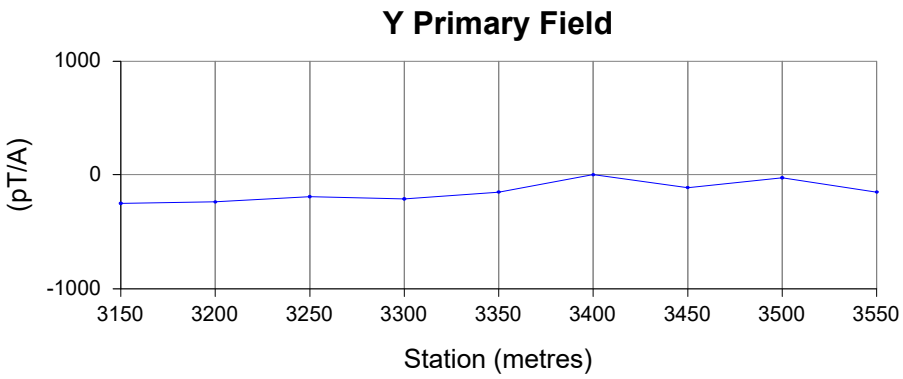

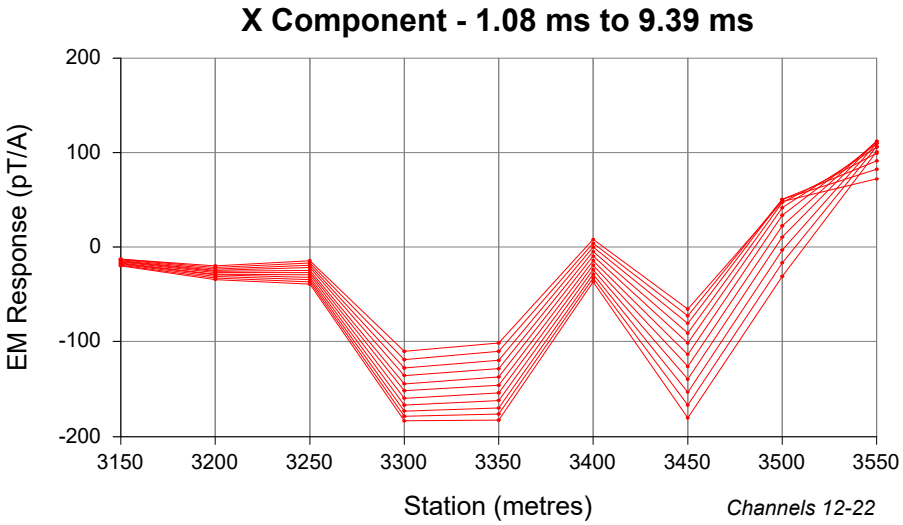

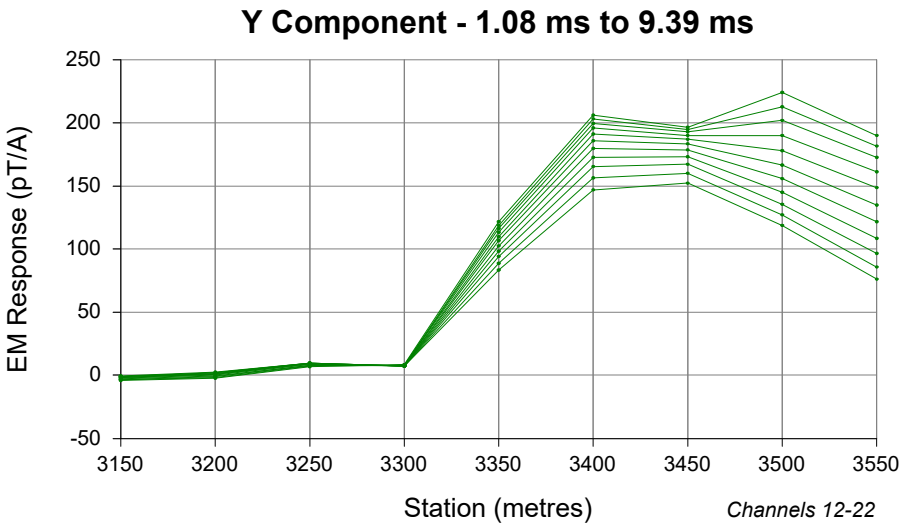

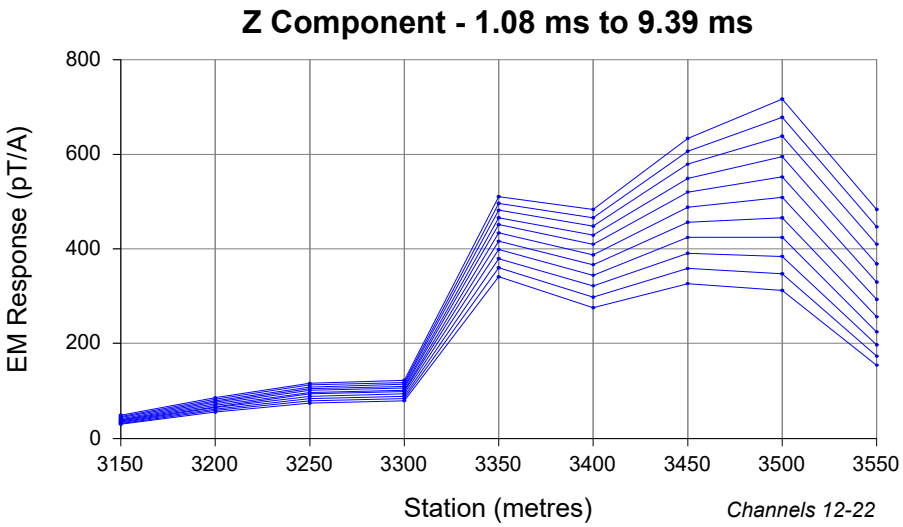

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
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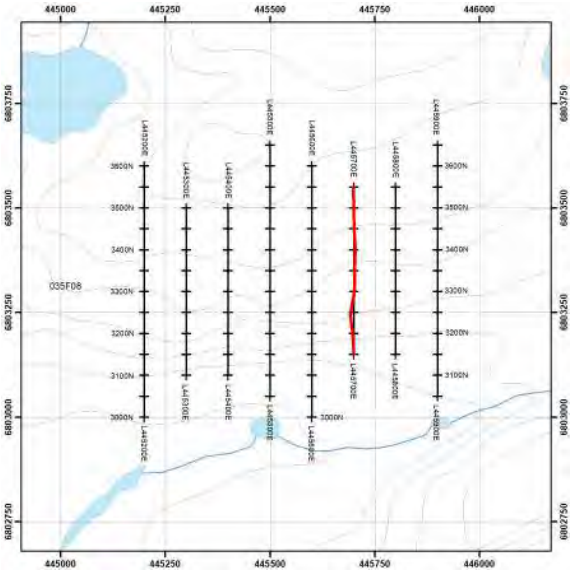

Scale 1:4000

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West Raglan Project
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Moving-Loop TEM Survey

Line 445700E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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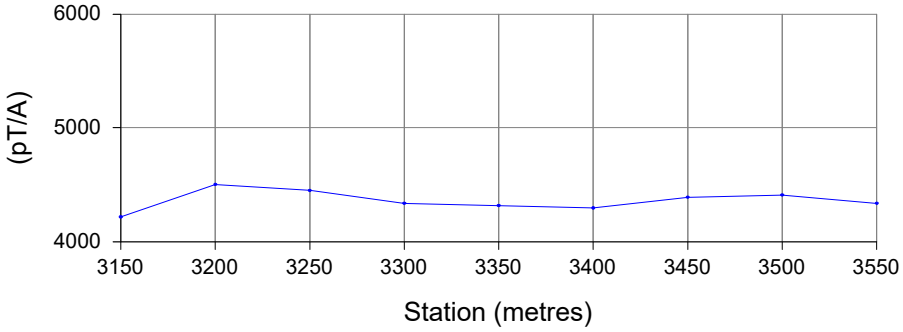
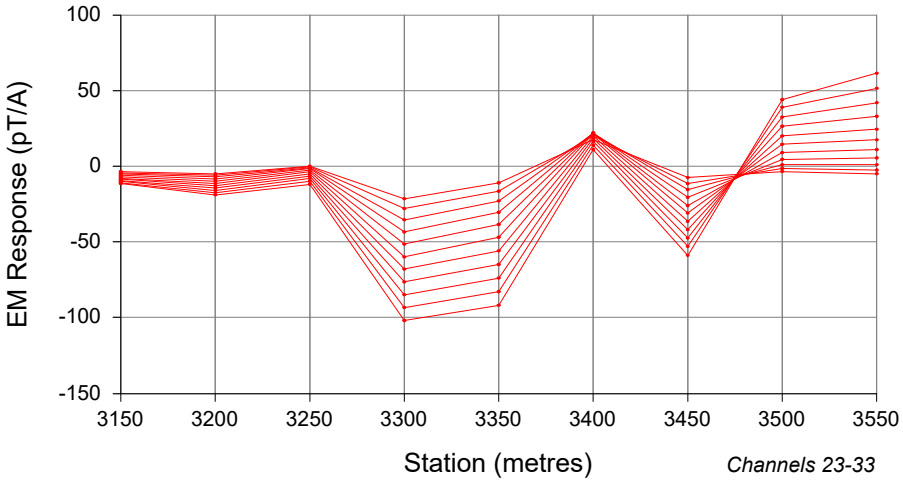
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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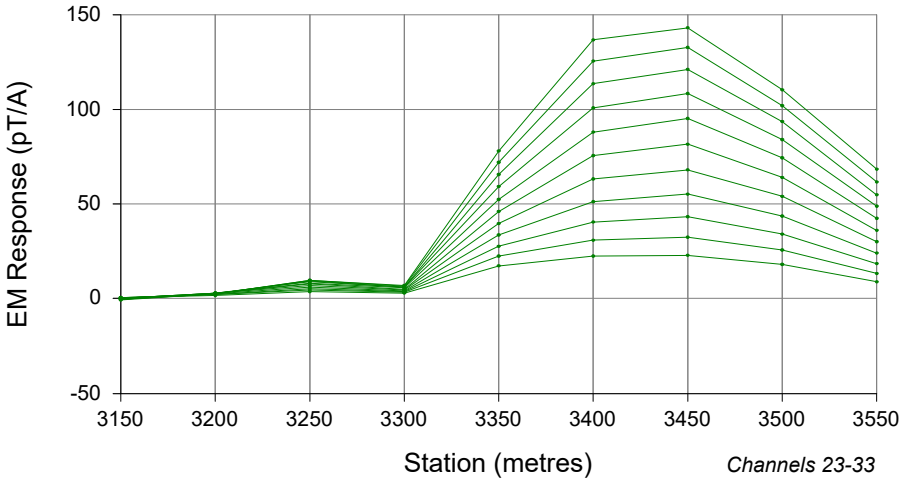

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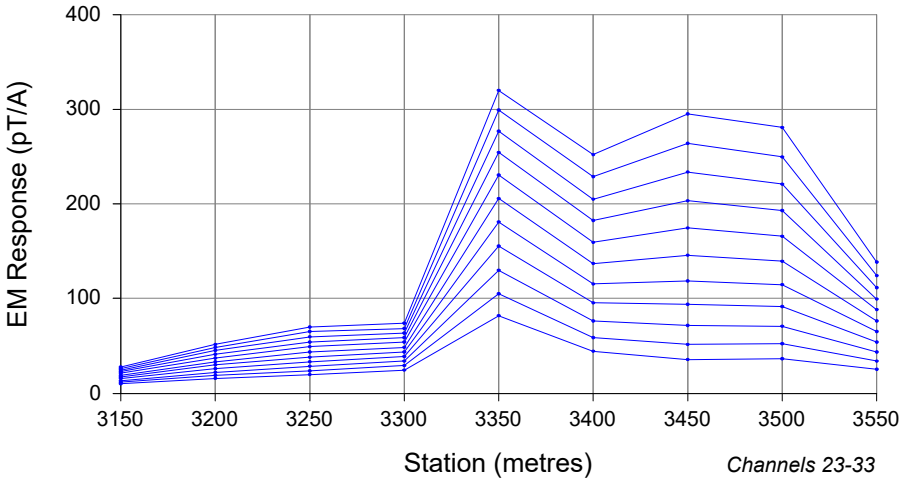

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
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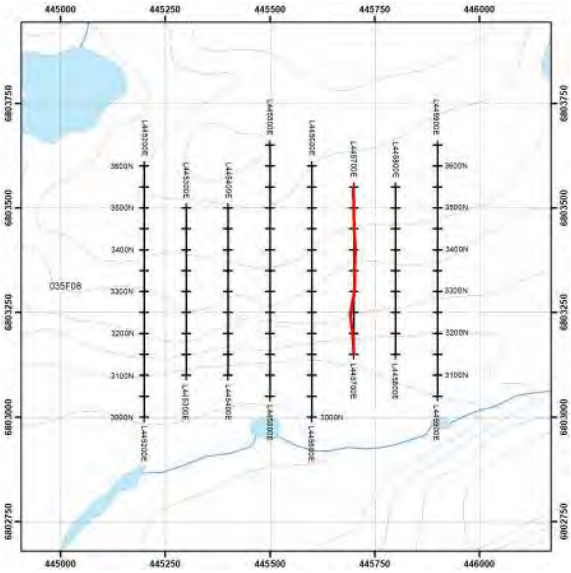

Scale 1:4000

Orford Mining Corp.
West Raglan Project
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Moving-Loop TEM Survey

Line 445700E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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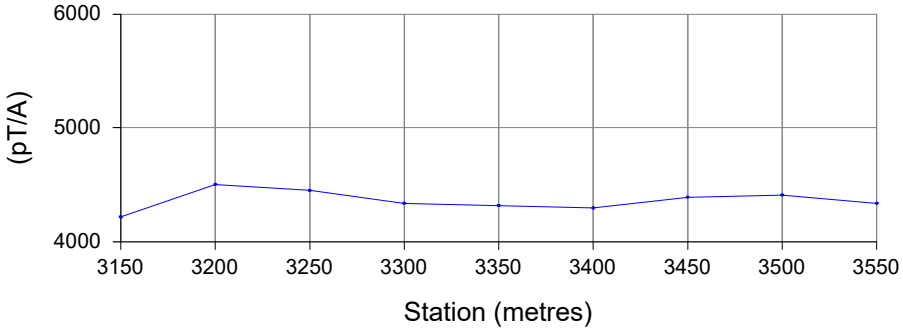
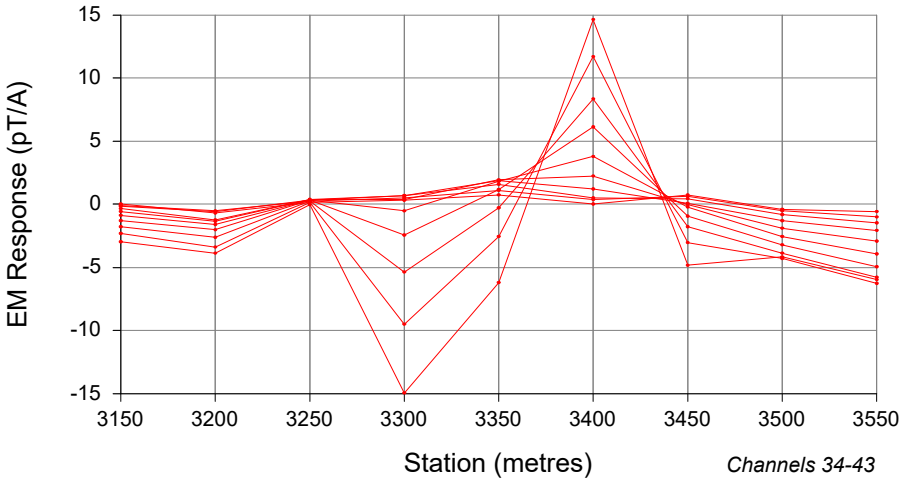
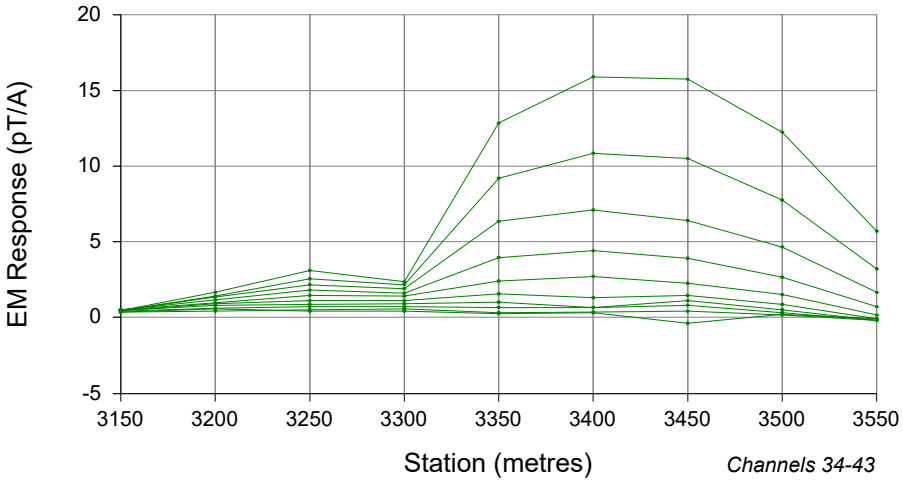
Z Primary Field



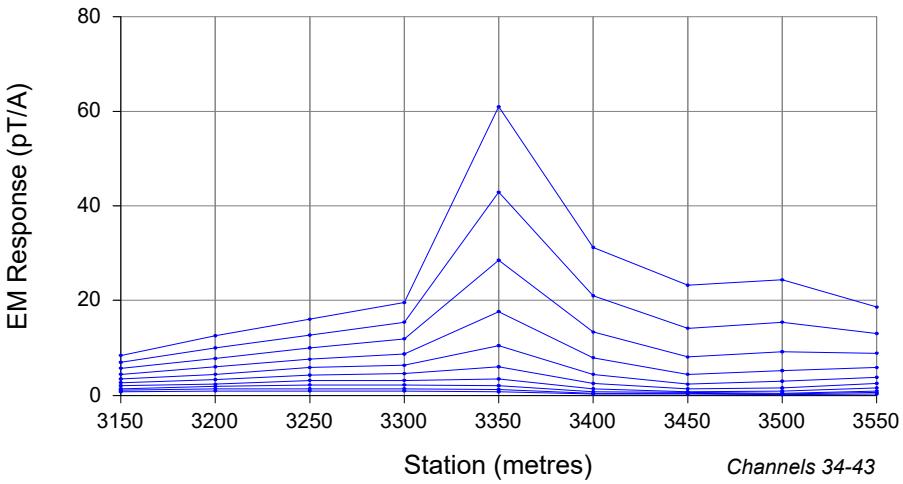
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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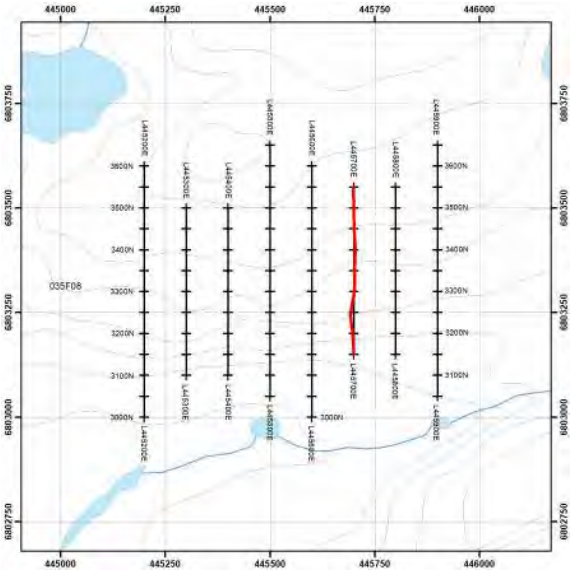
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Line 445700E

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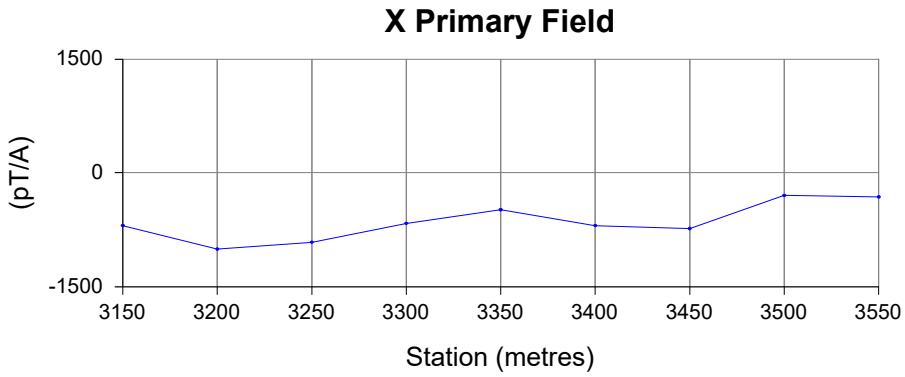
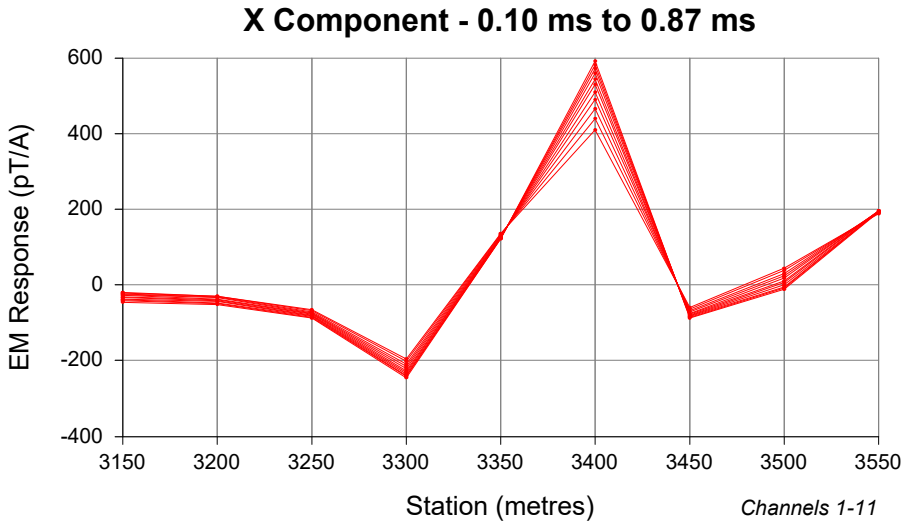
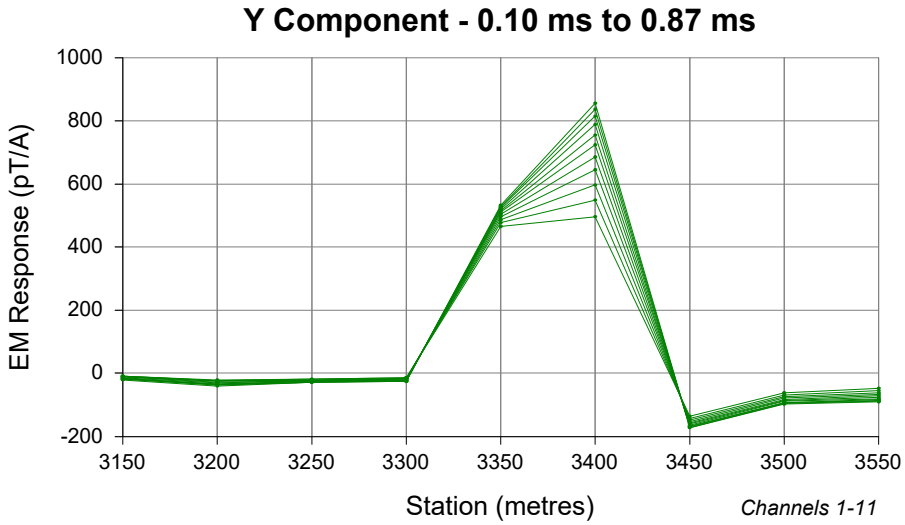
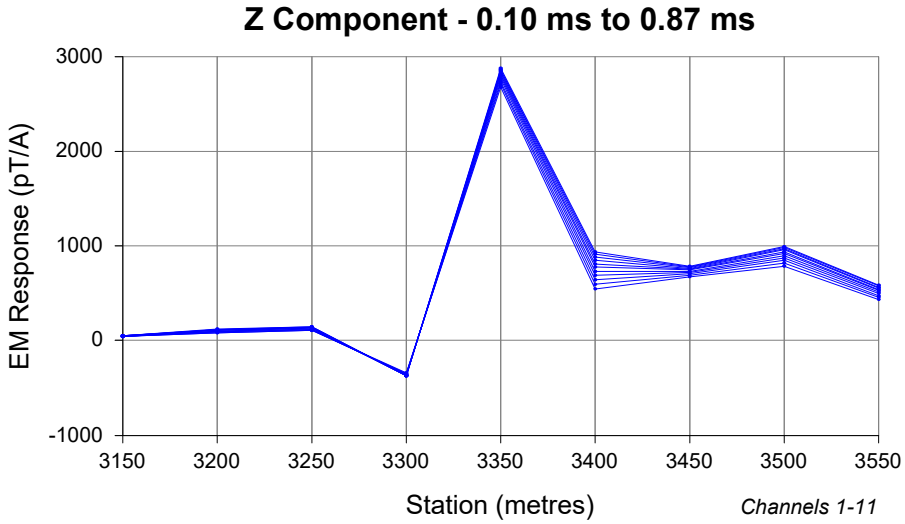








SURVEY PARAMETERS

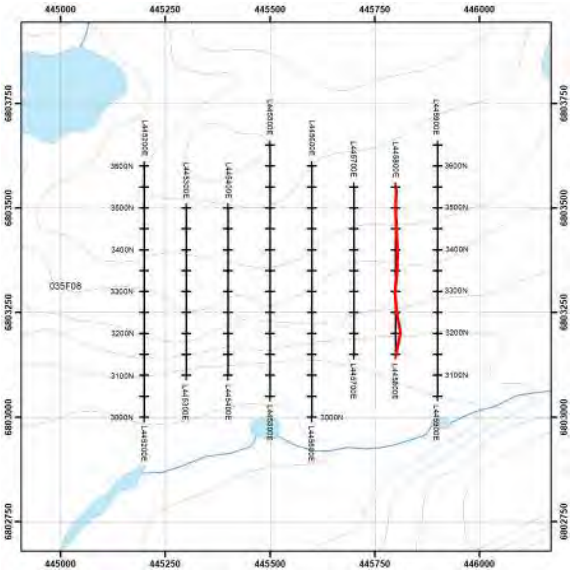
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

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Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445800E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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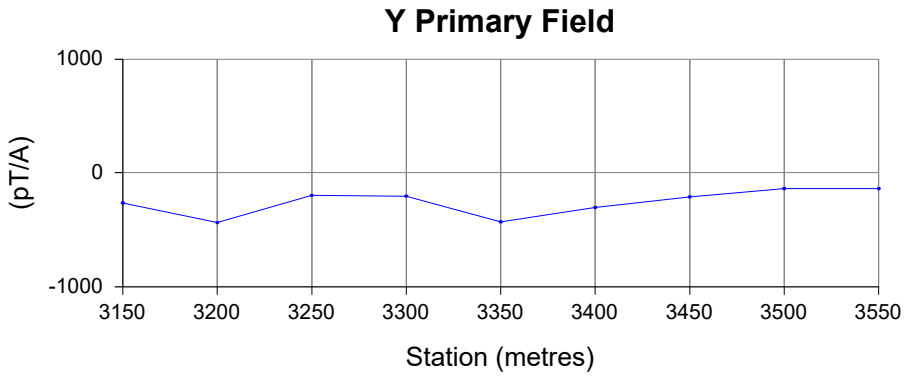
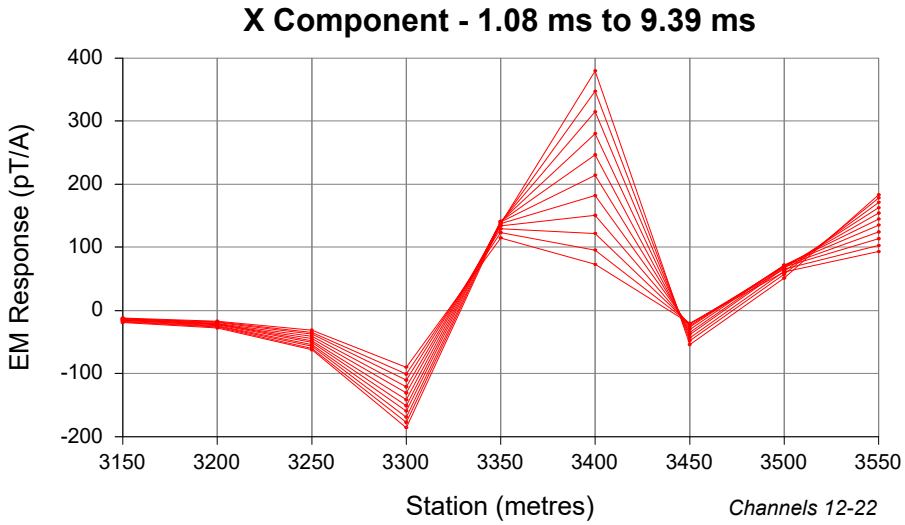
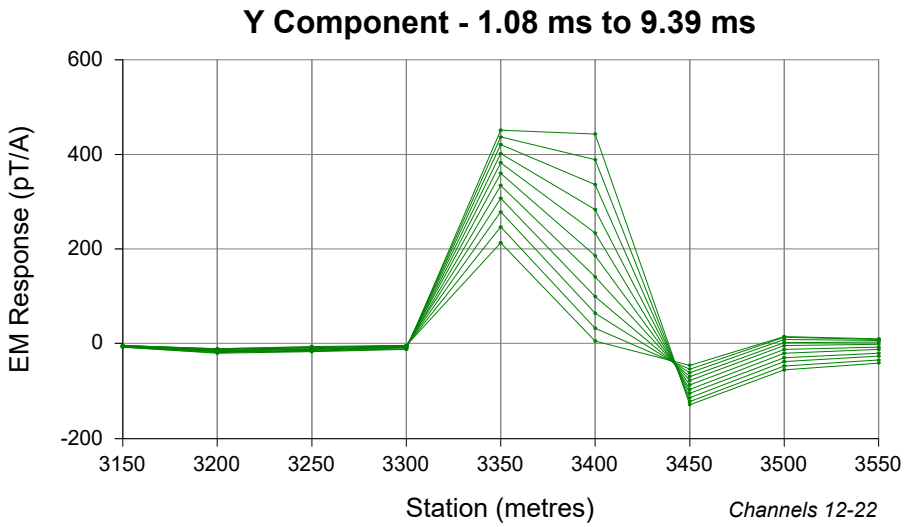
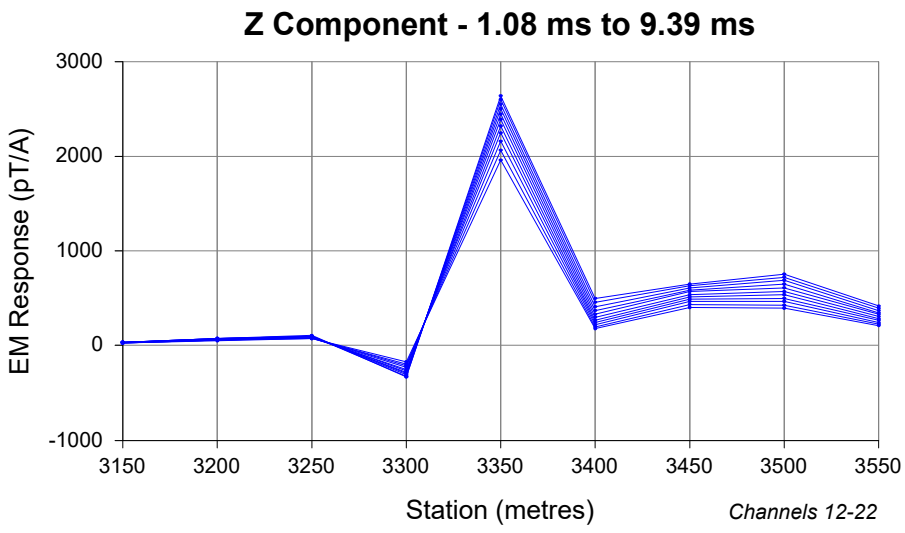








SURVEY PARAMETERS

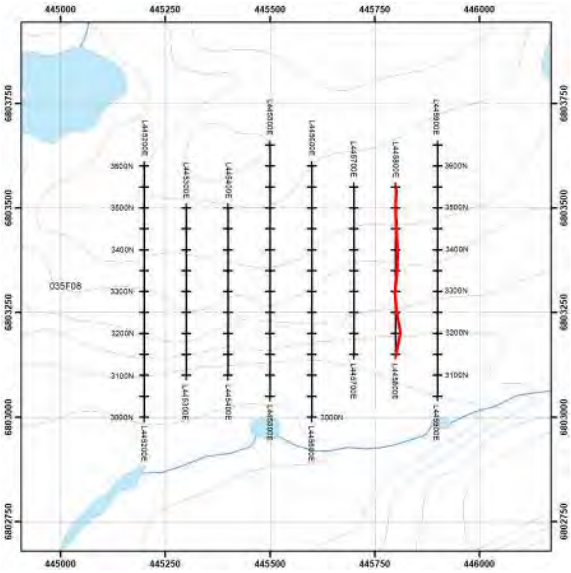
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445800E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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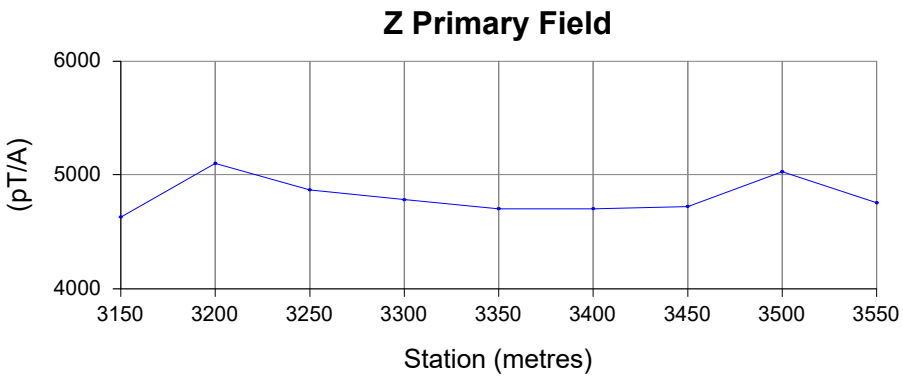
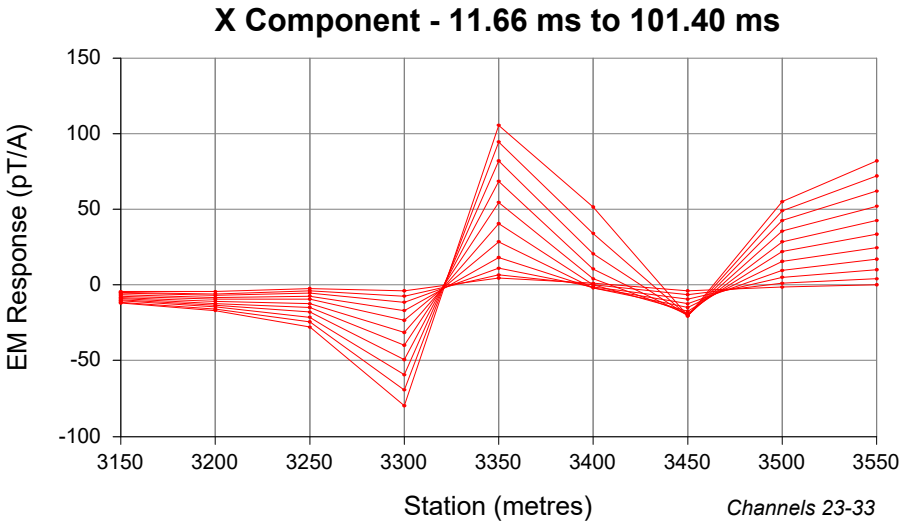
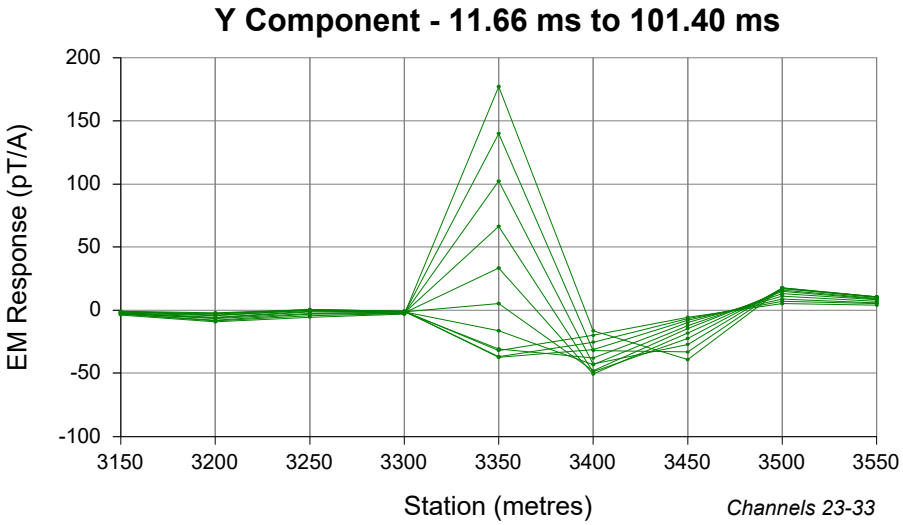
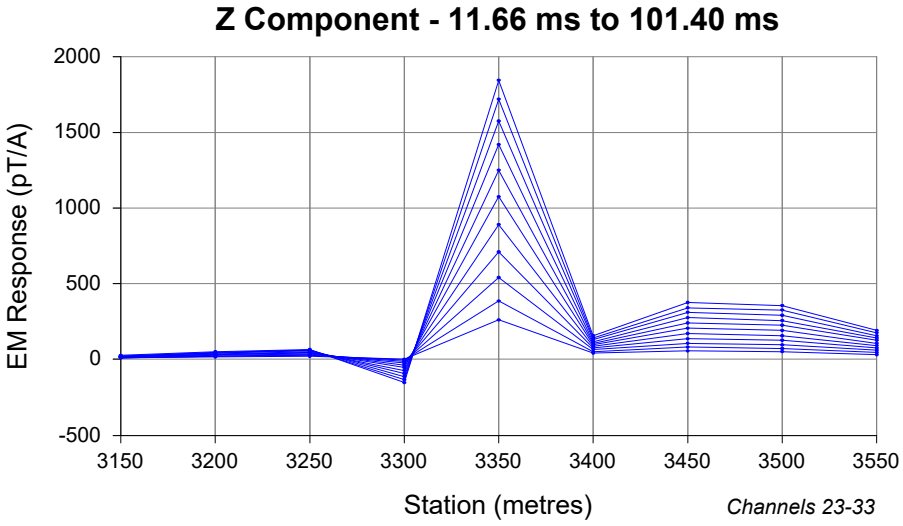








SURVEY PARAMETERS

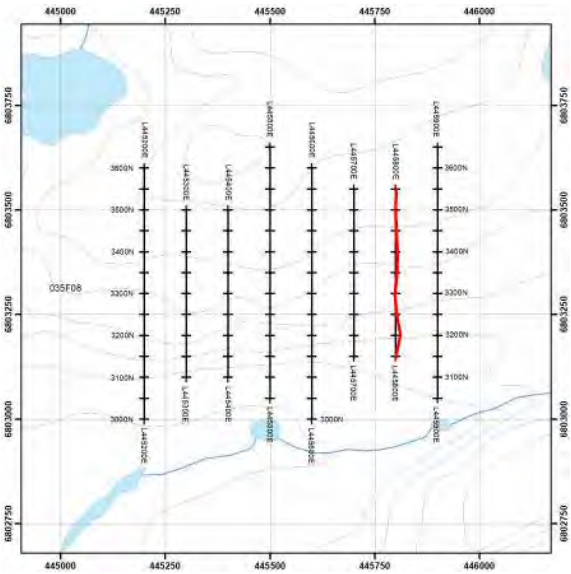
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

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Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445800E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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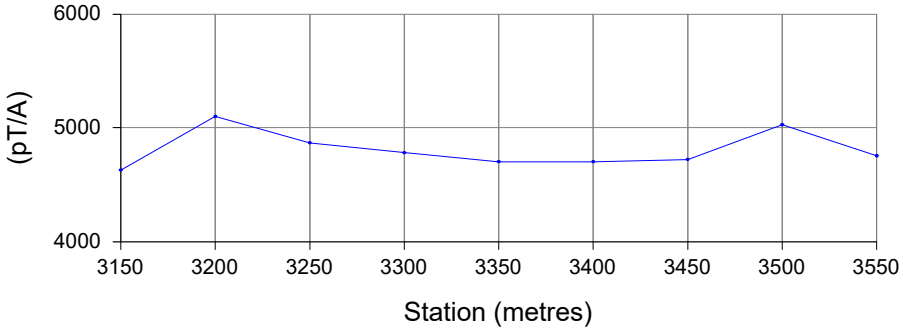
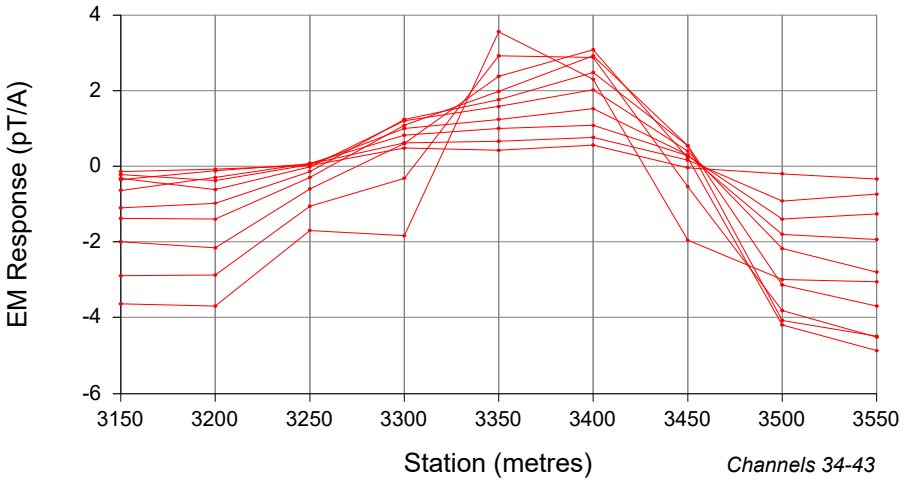
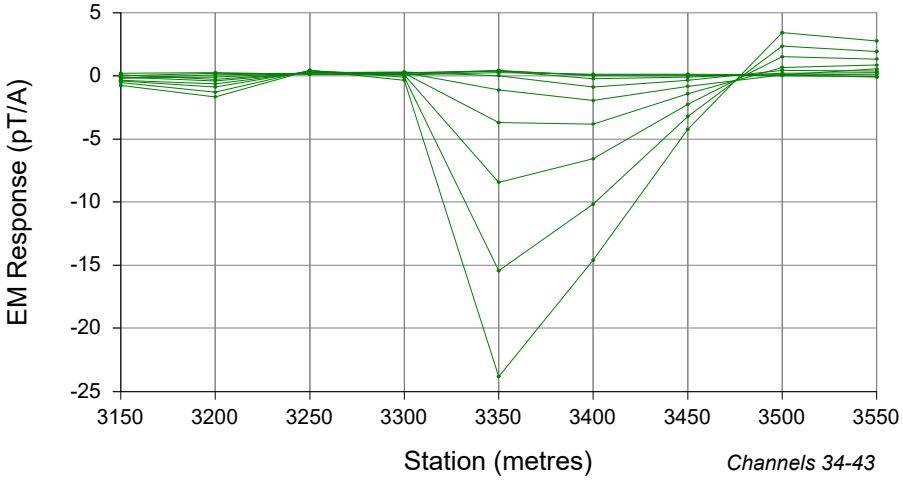
Z Primary Field



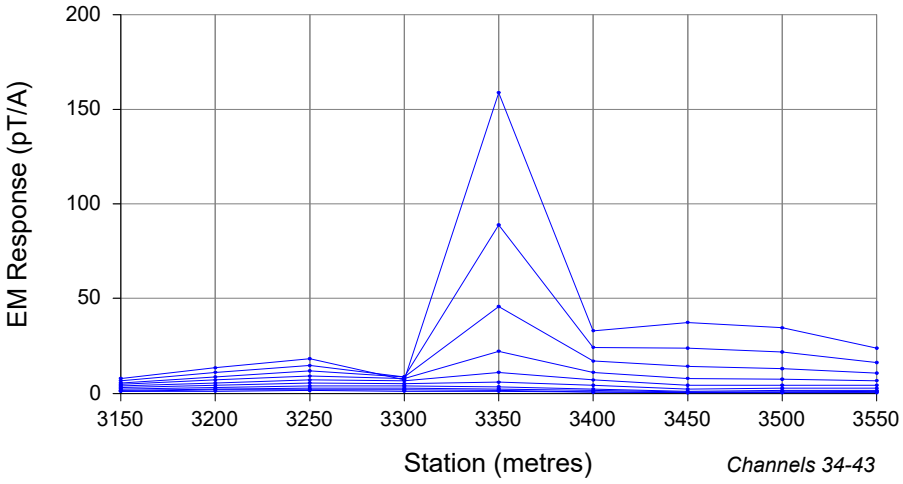
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

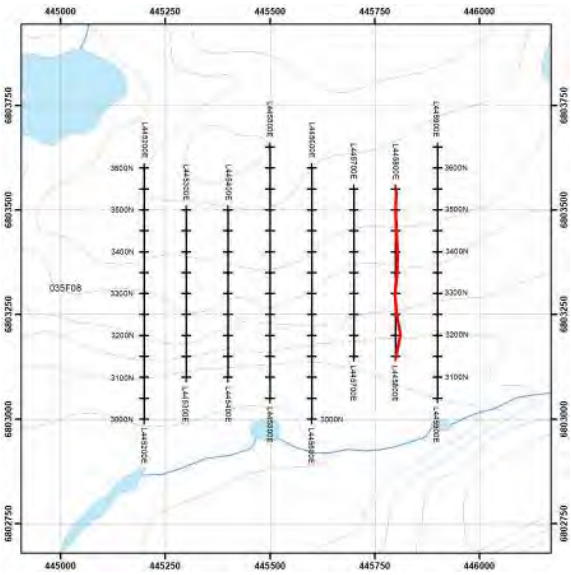
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4000

Orford Mining Corp.
West Raglan Project
Red Line Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 445800E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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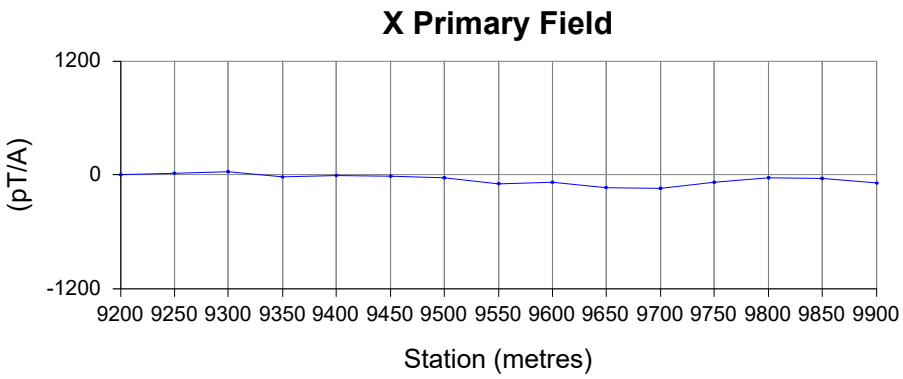
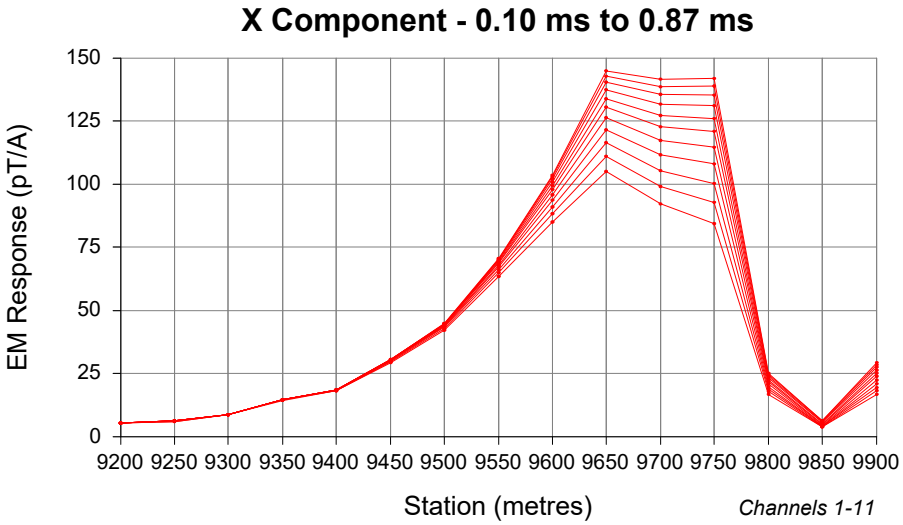
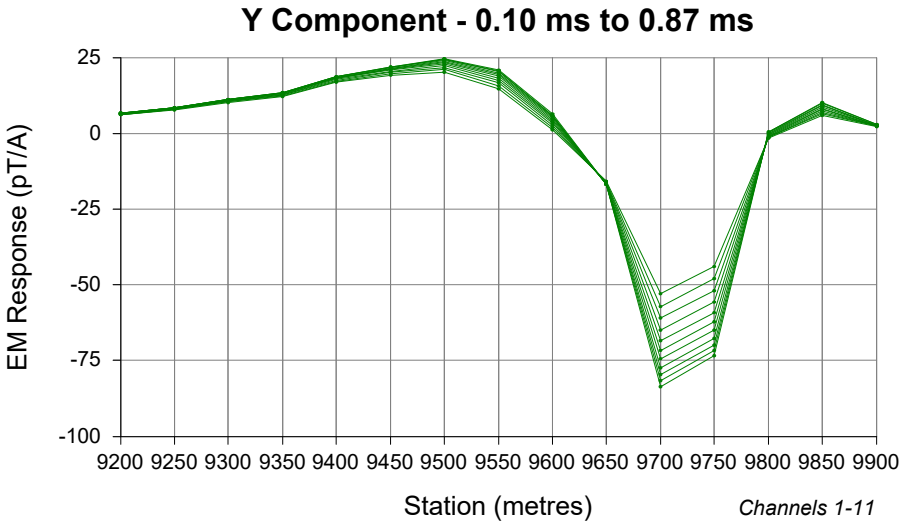
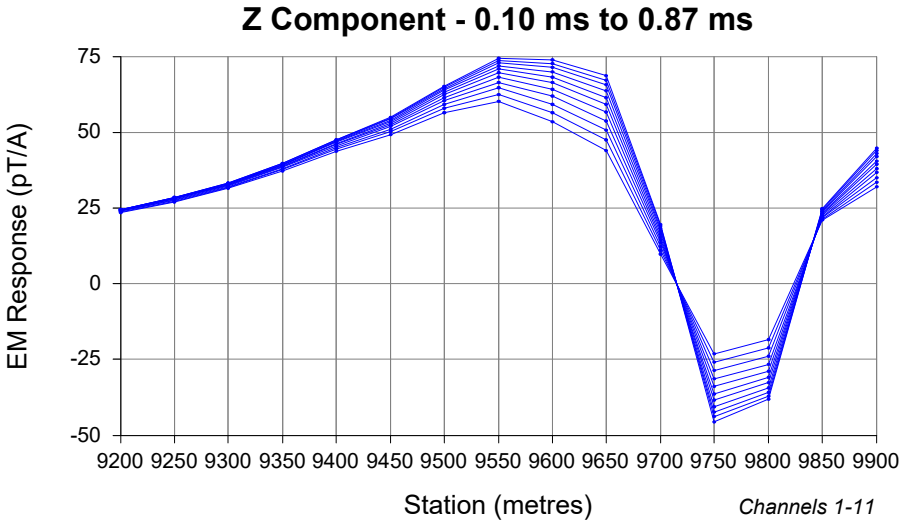
APPENDIX H – BEVERLY WEST SLINGRAM MLTEM PROFILE PLOTS









SURVEY PARAMETERS

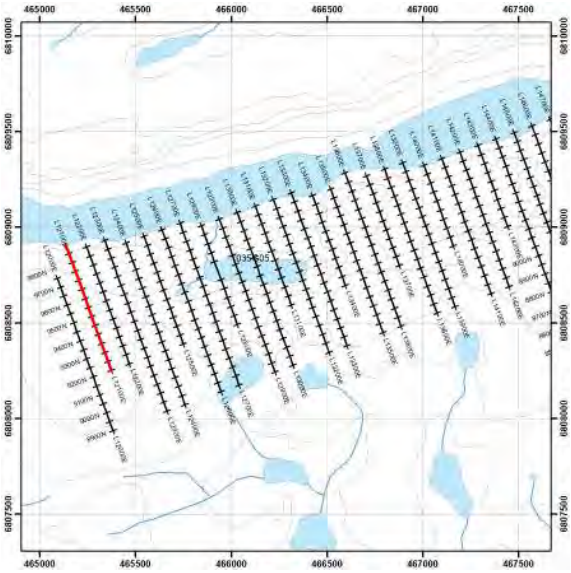
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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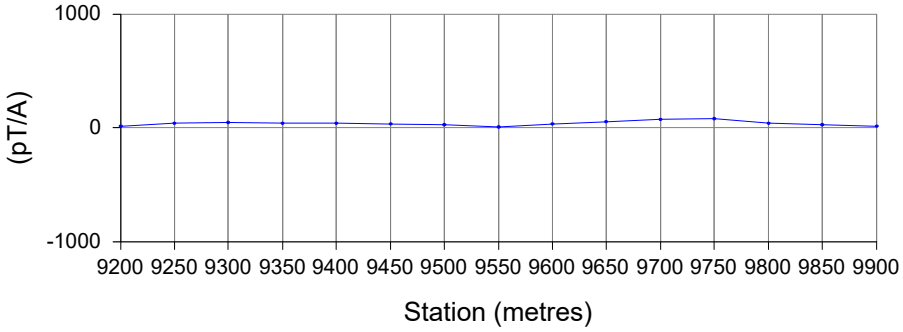
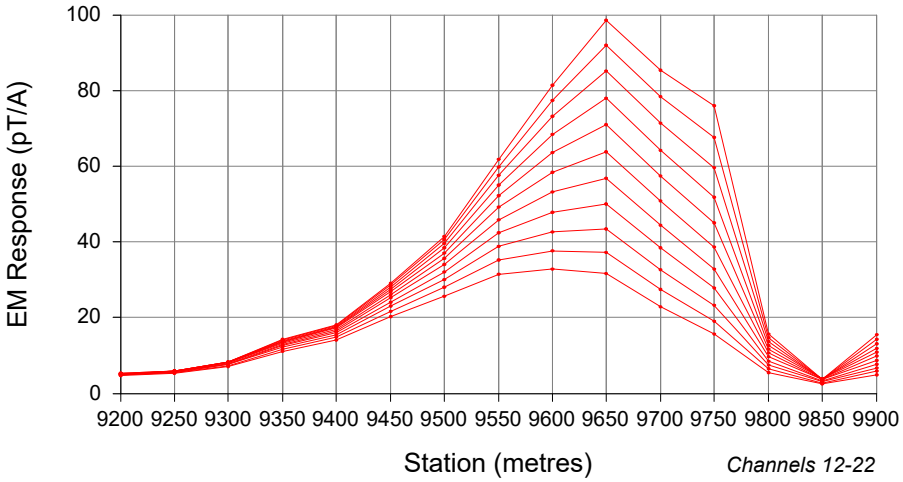
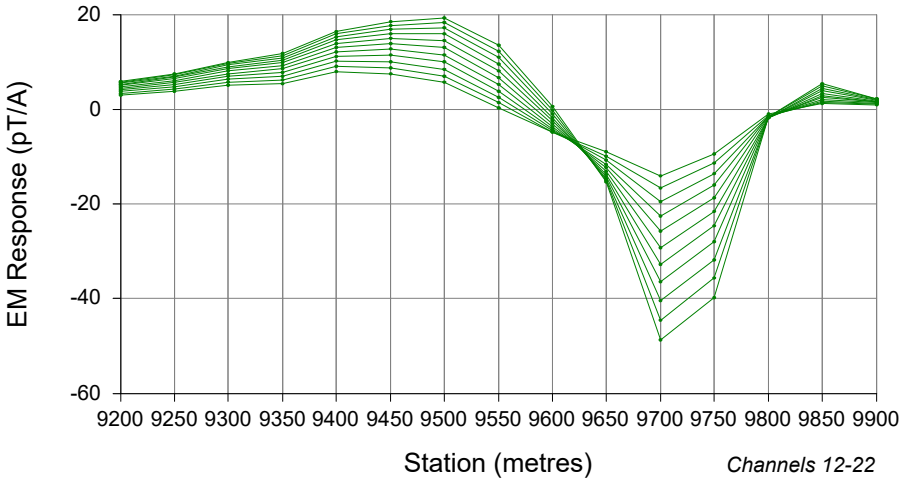
Y Primary Field



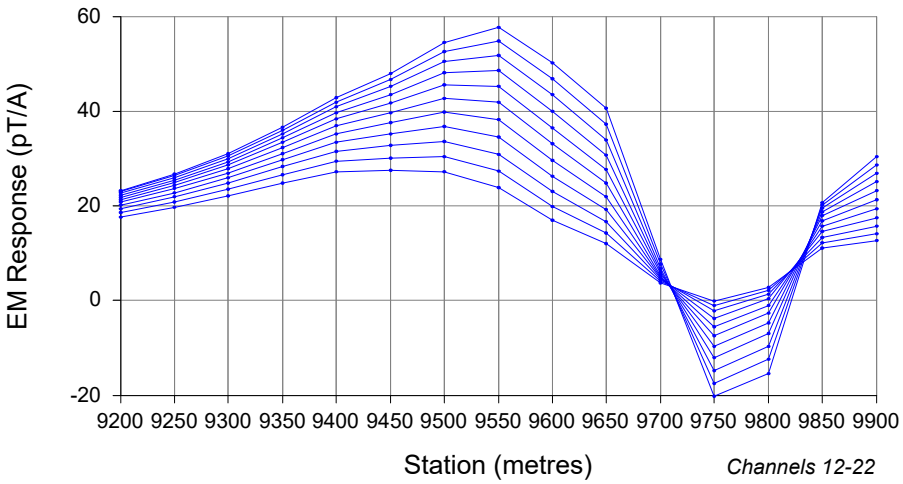
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

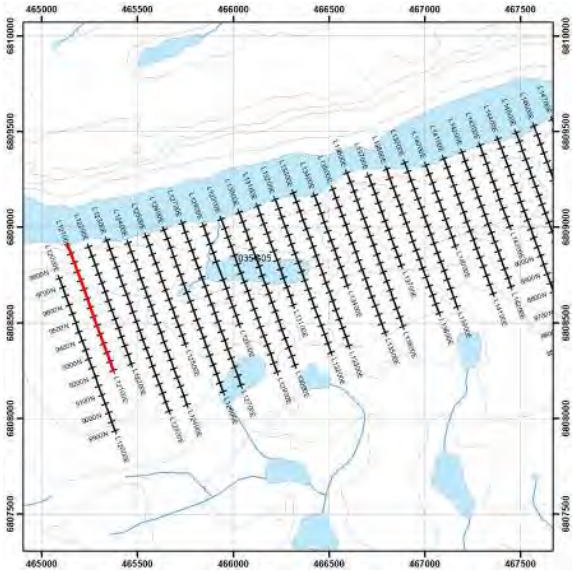
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

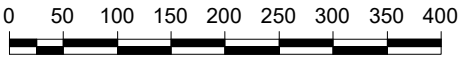
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:7000

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Supracon Jessy HT SQUID
Slingram Survey

Line 12100E

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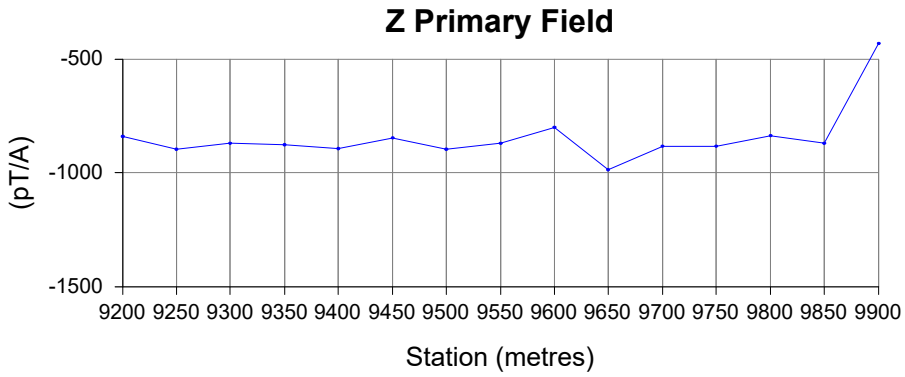
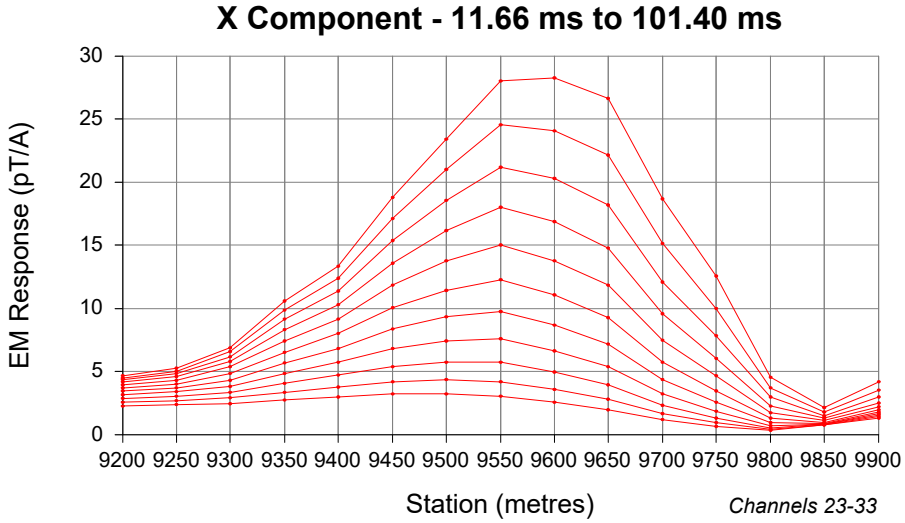
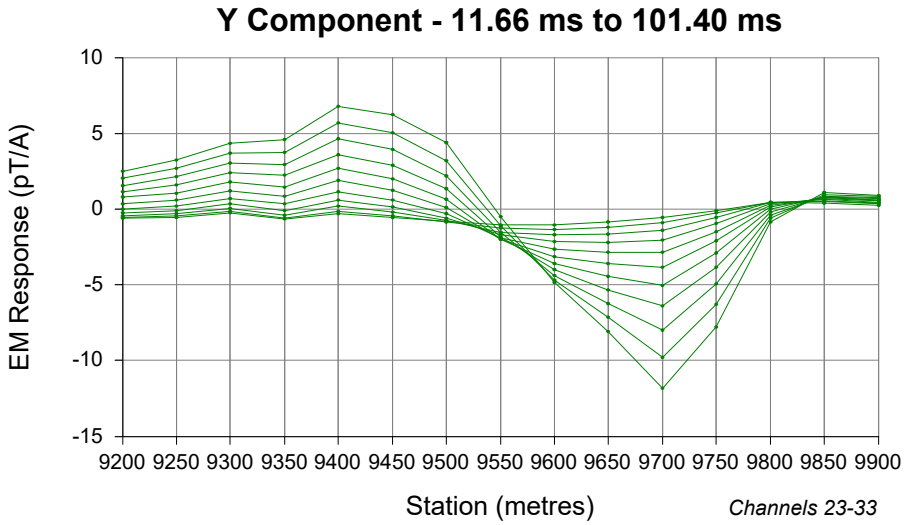
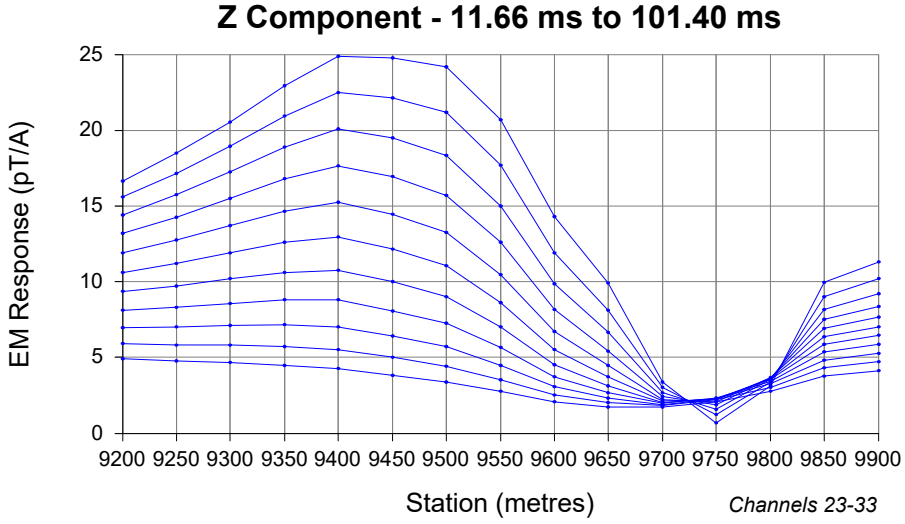








SURVEY PARAMETERS

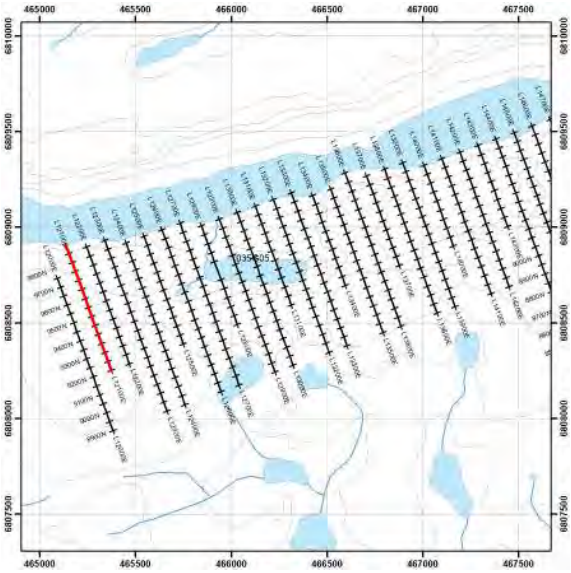
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

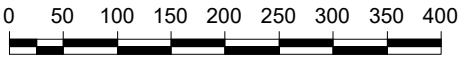
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:7000

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Slingram Survey

Line 12100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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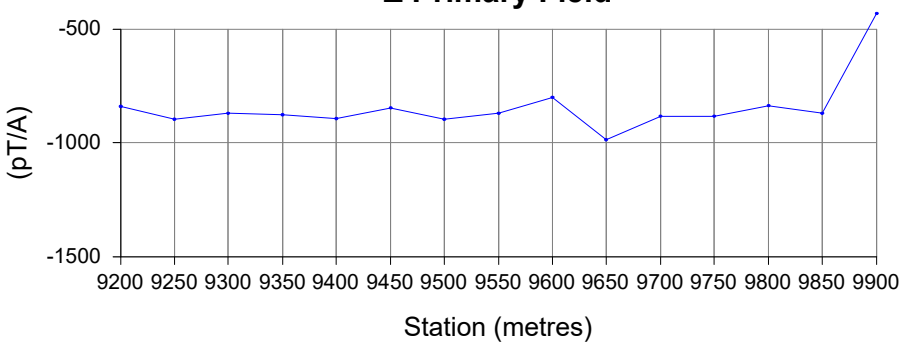
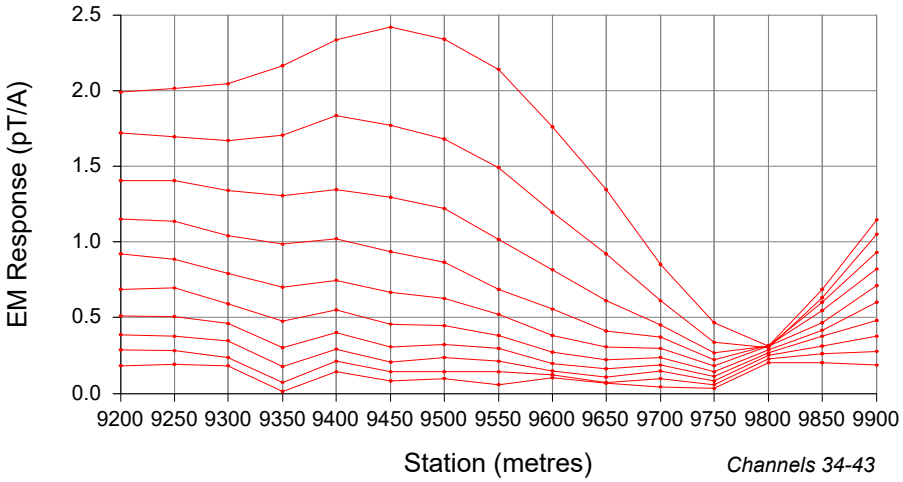
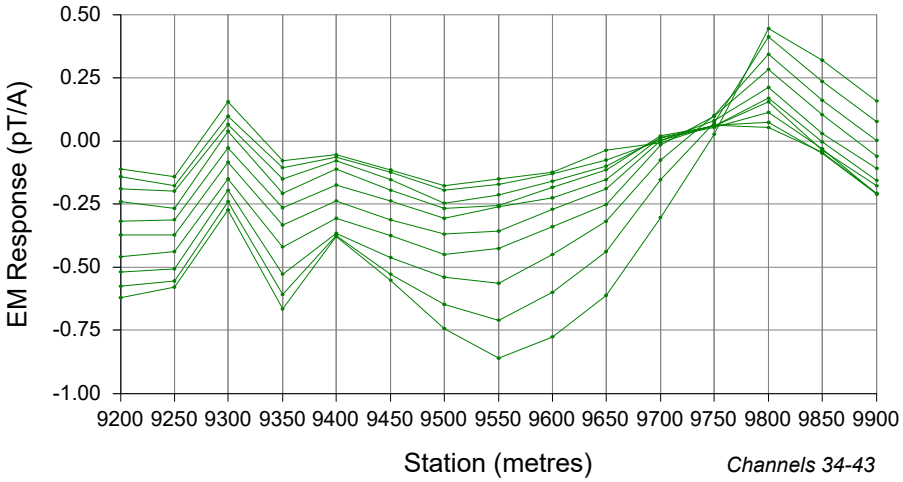
Z Primary Field



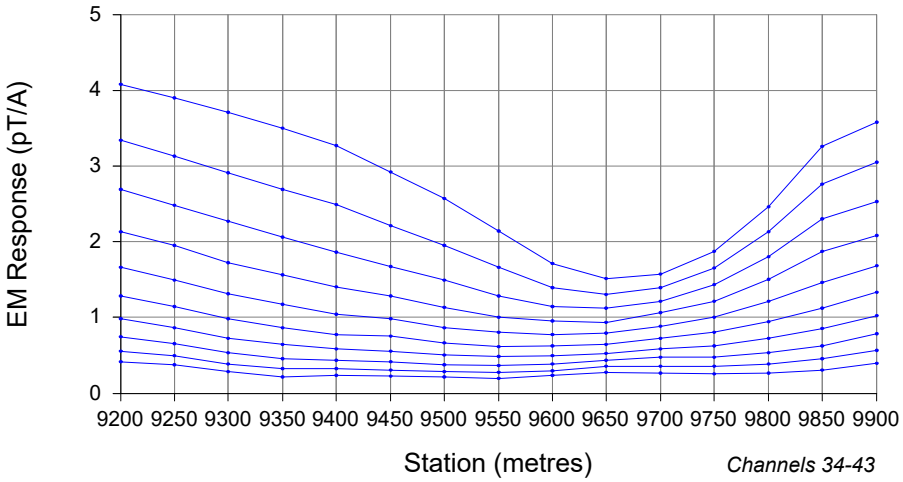
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

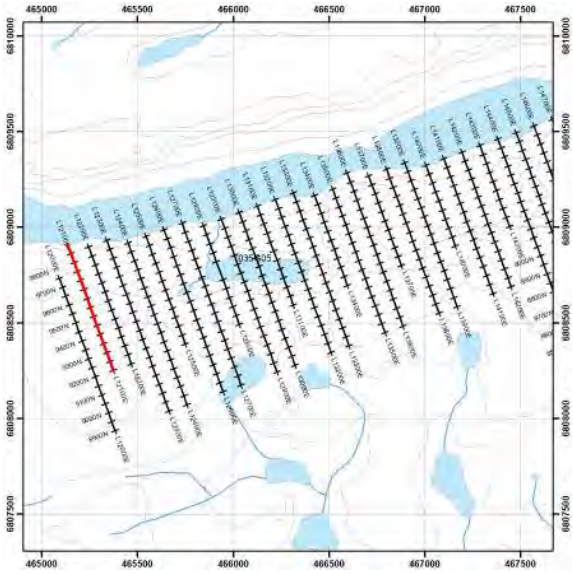
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

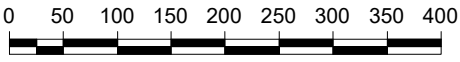
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:7000

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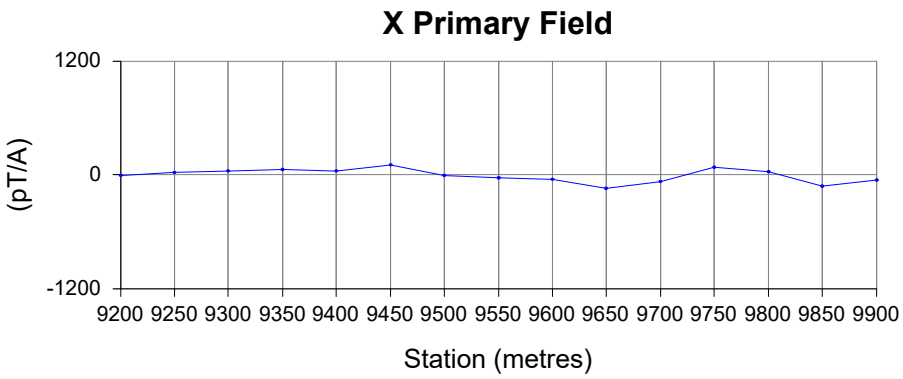
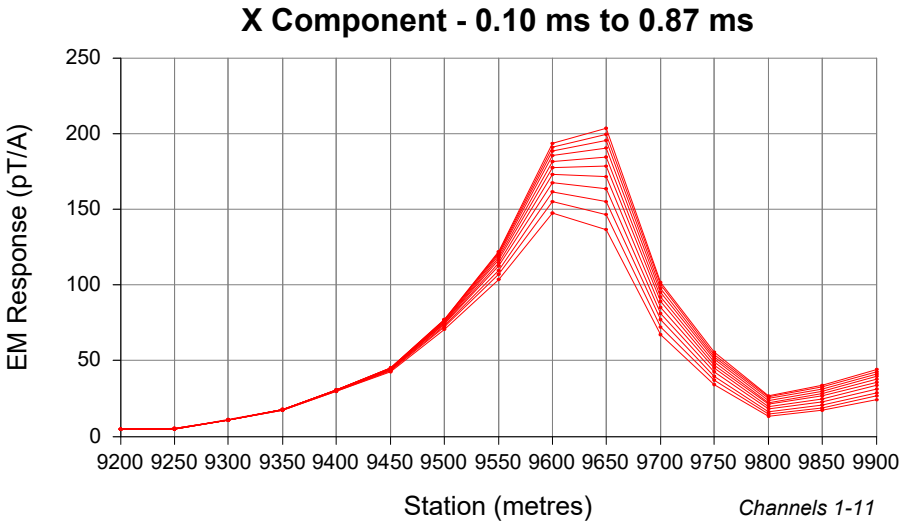
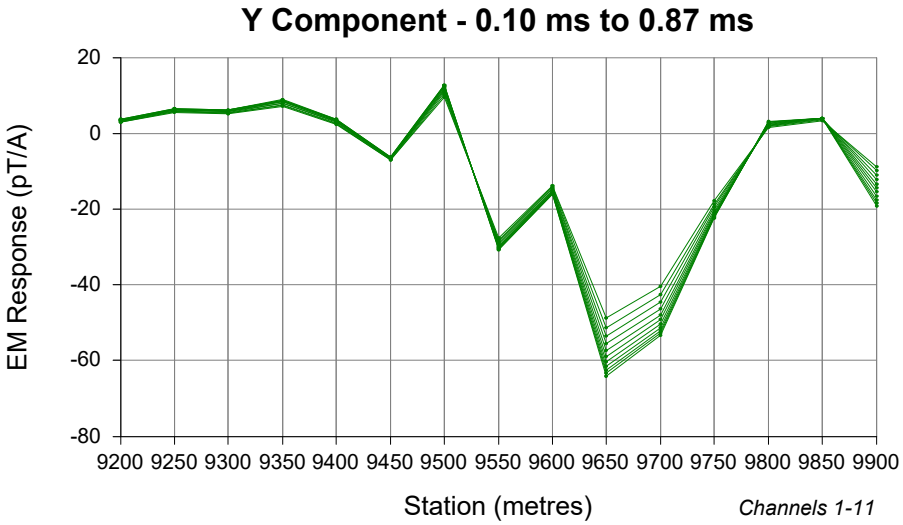
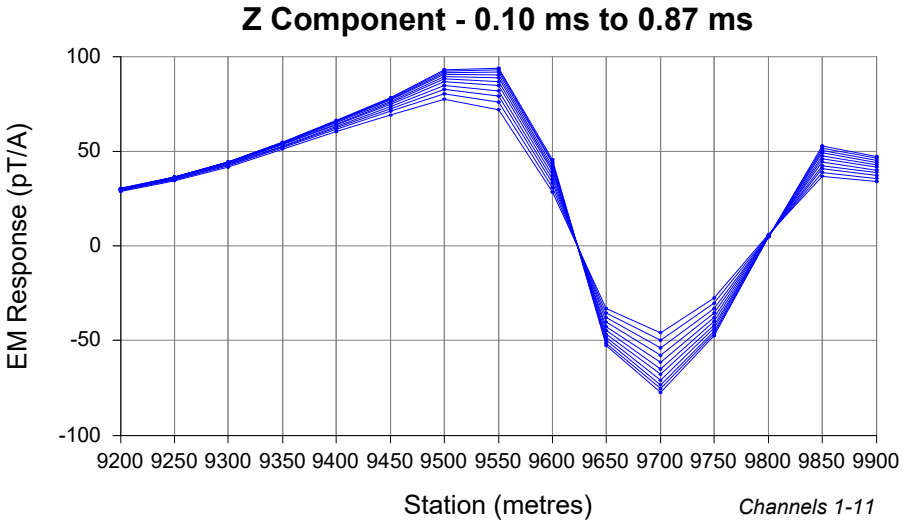








SURVEY PARAMETERS

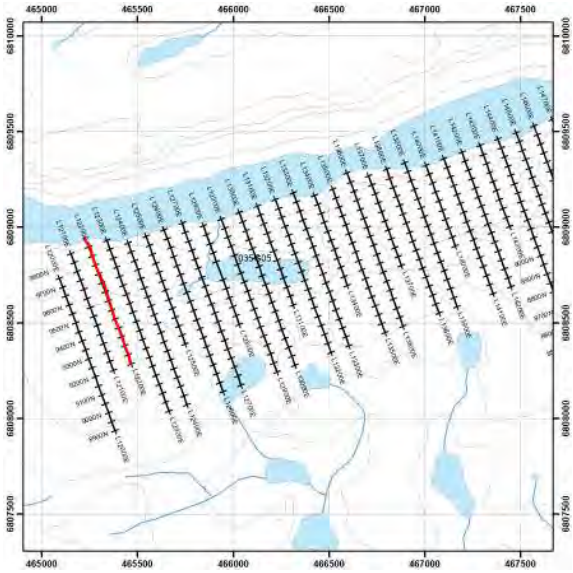
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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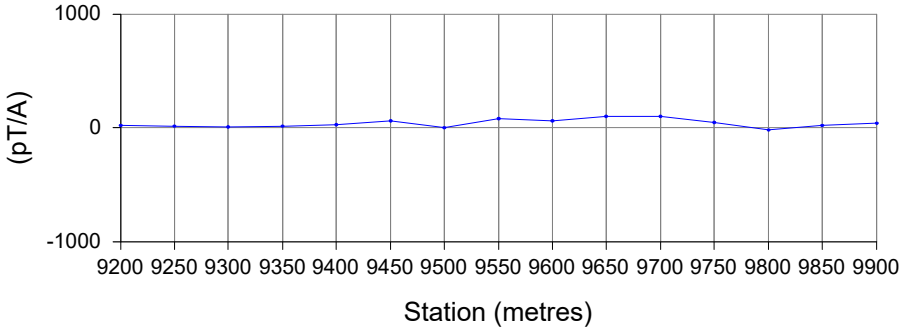
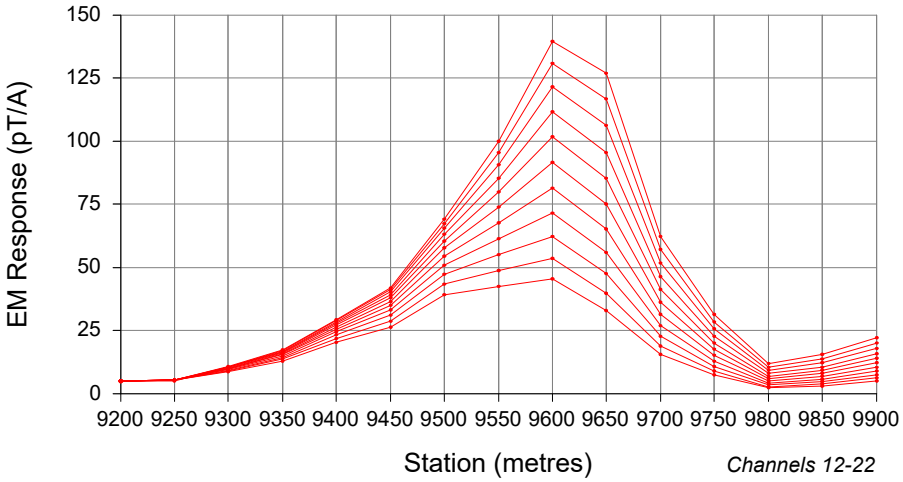
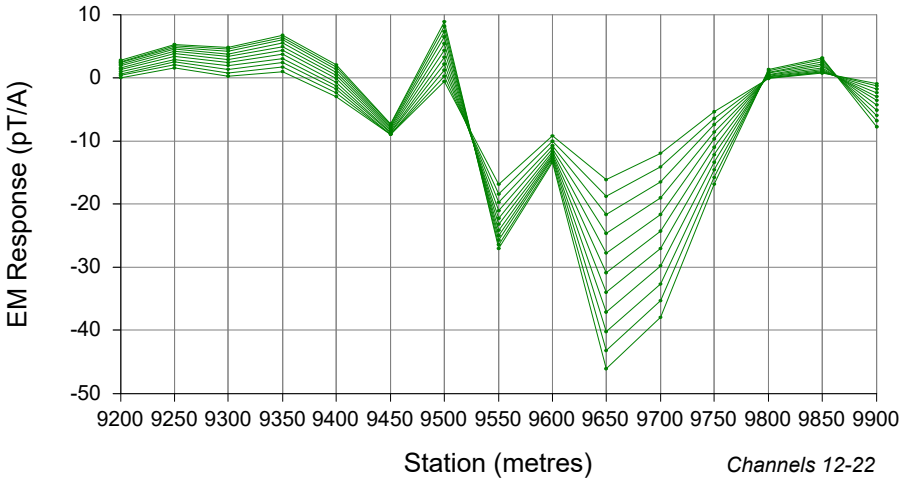
Y Primary Field



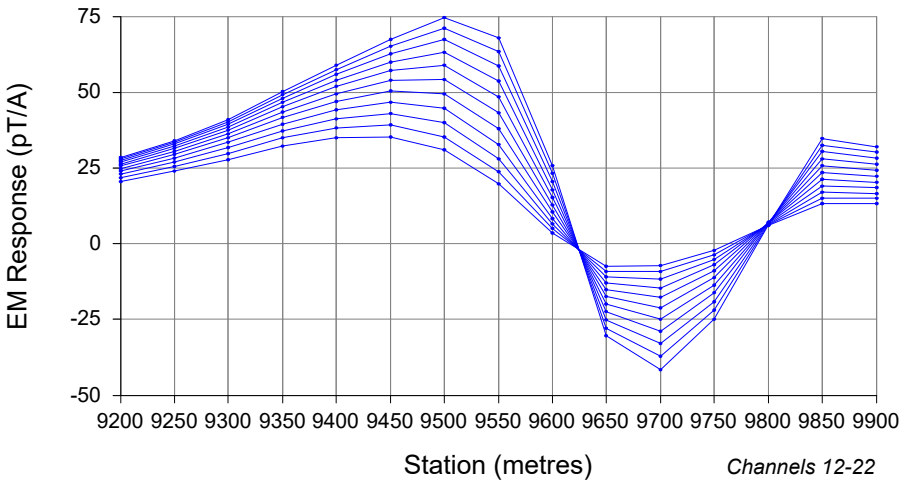
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

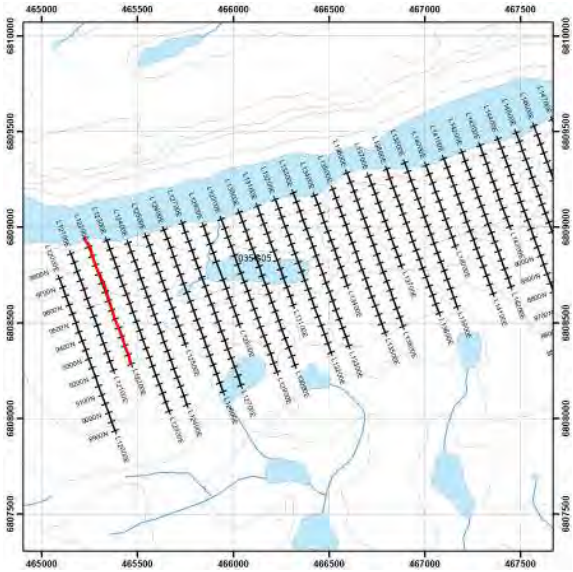
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

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Supracon Jessy HT SQUID
Slingram Survey

Line 12200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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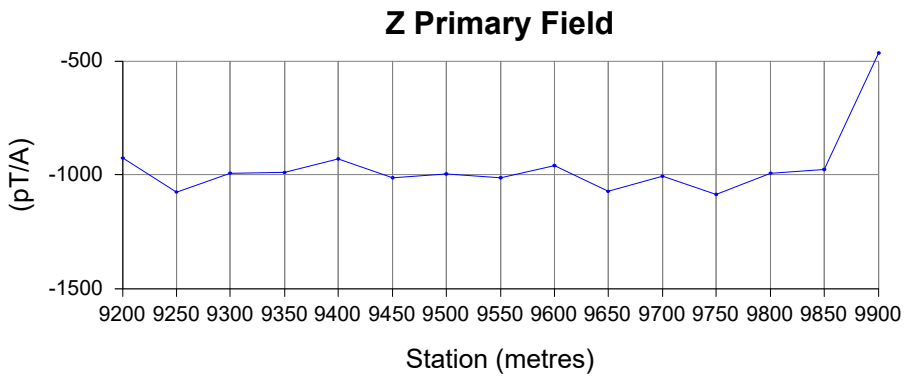
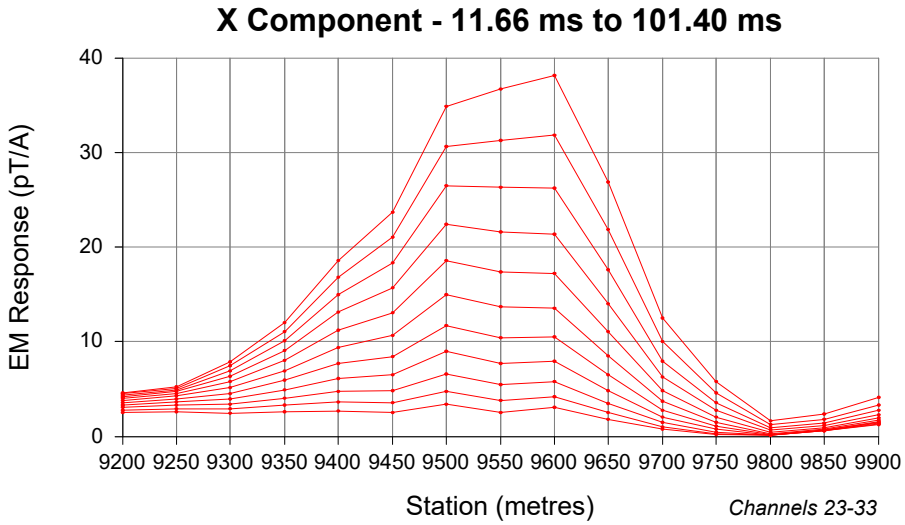
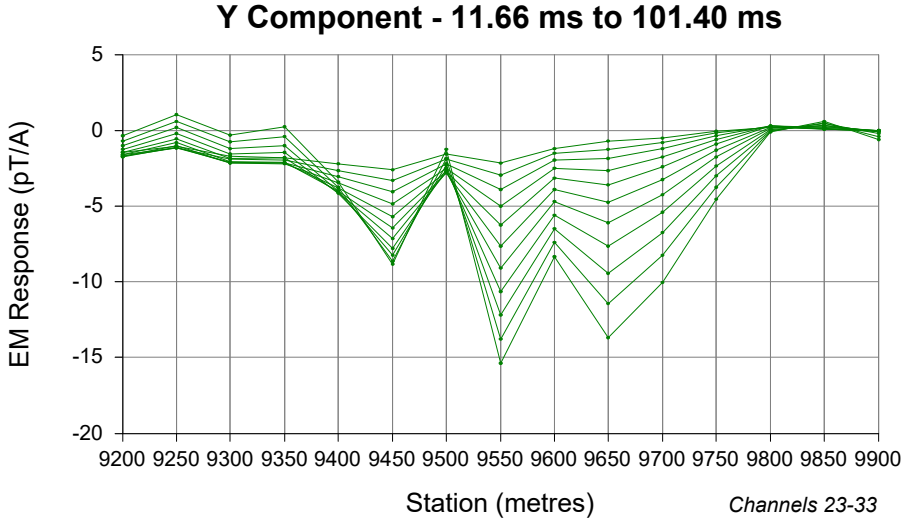
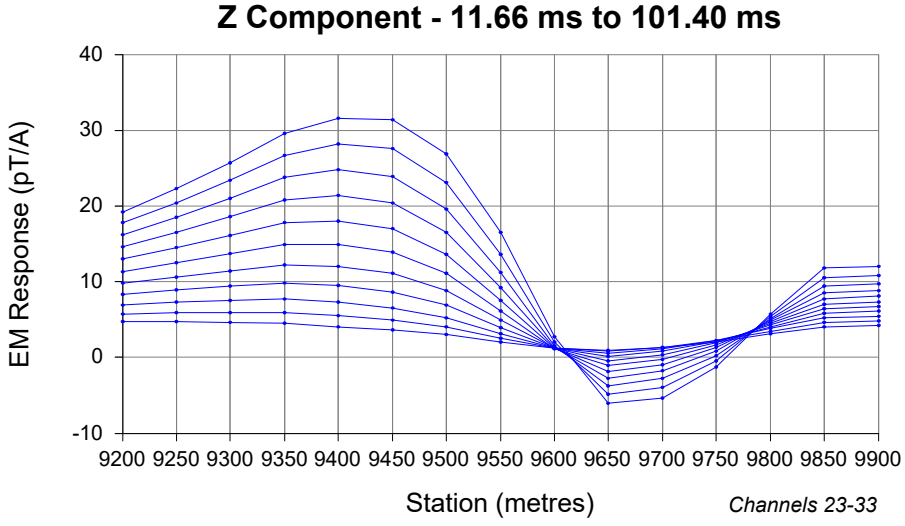








SURVEY PARAMETERS

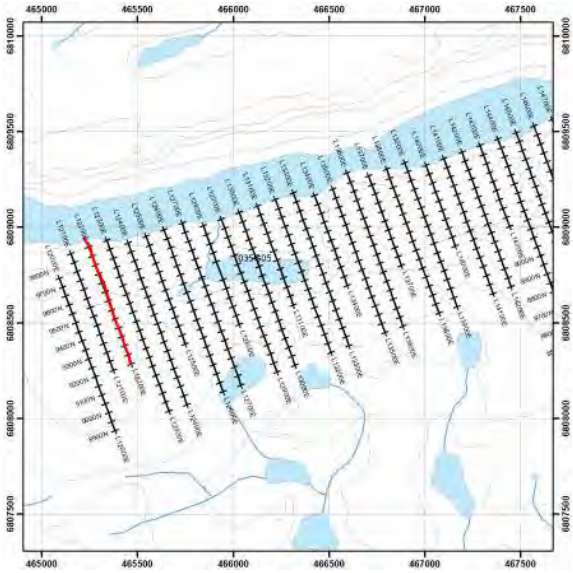
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 12200E

Surveyed By: Mohamed Haiba
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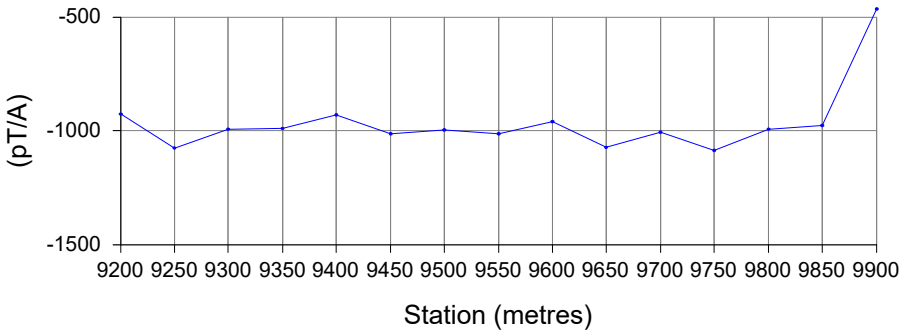
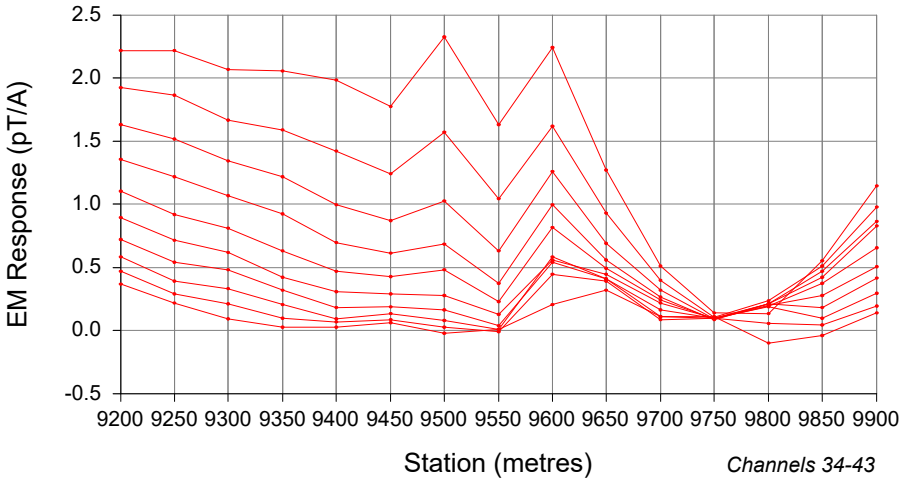
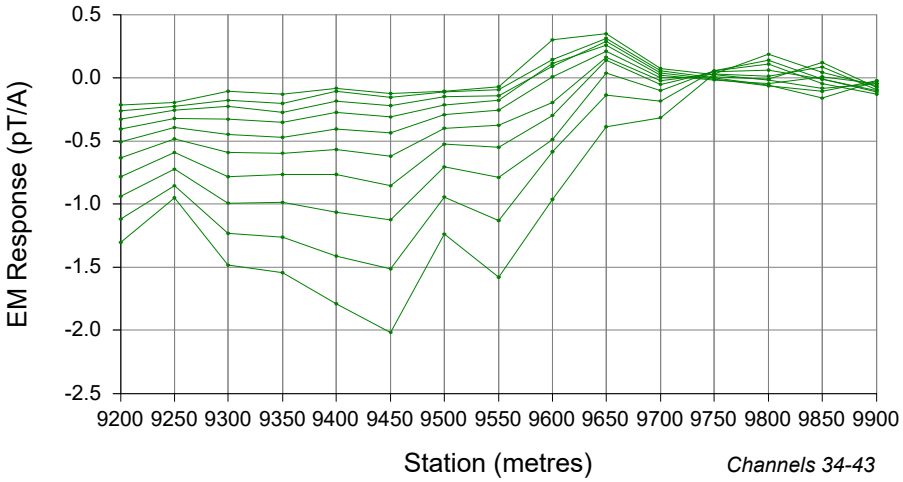
Z Primary Field



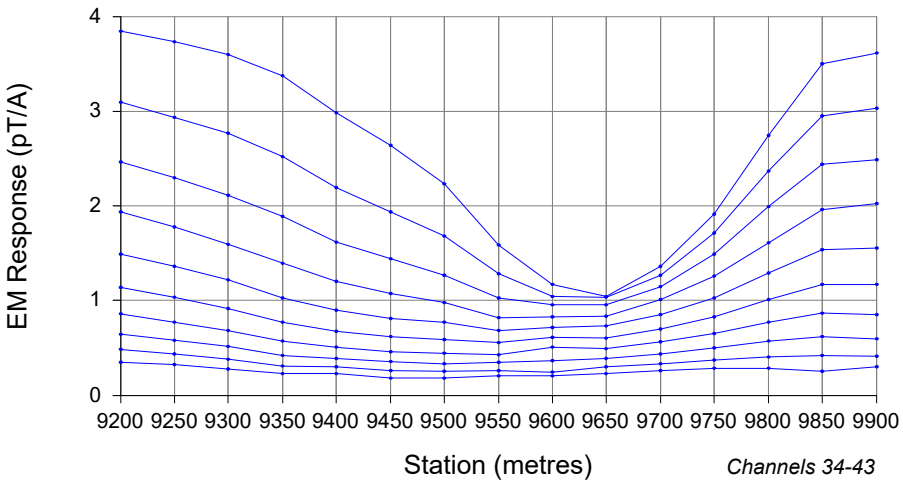
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

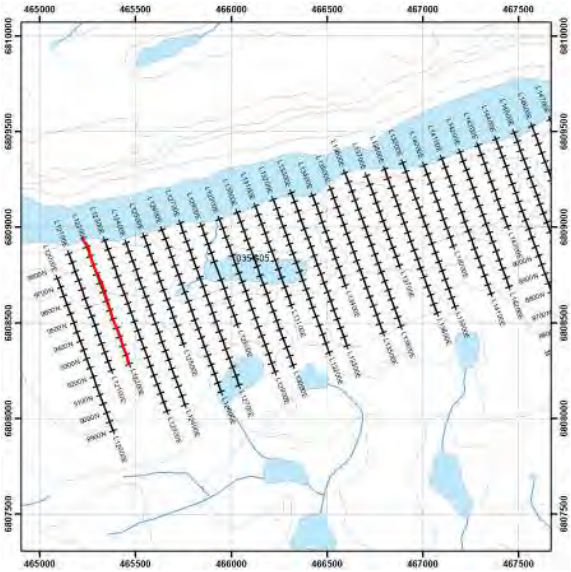
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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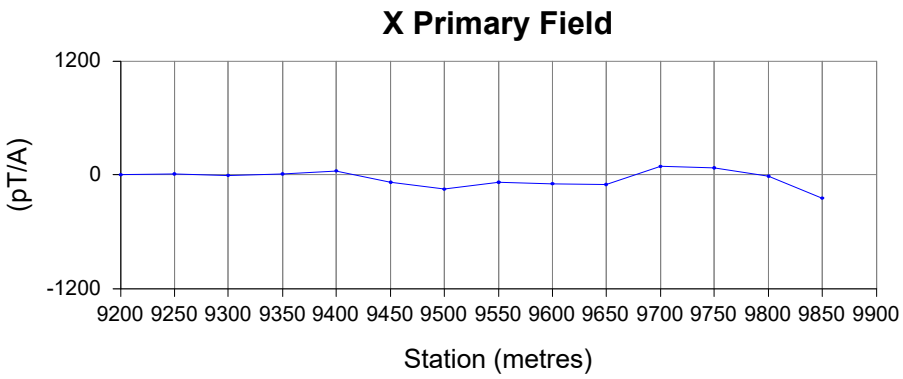
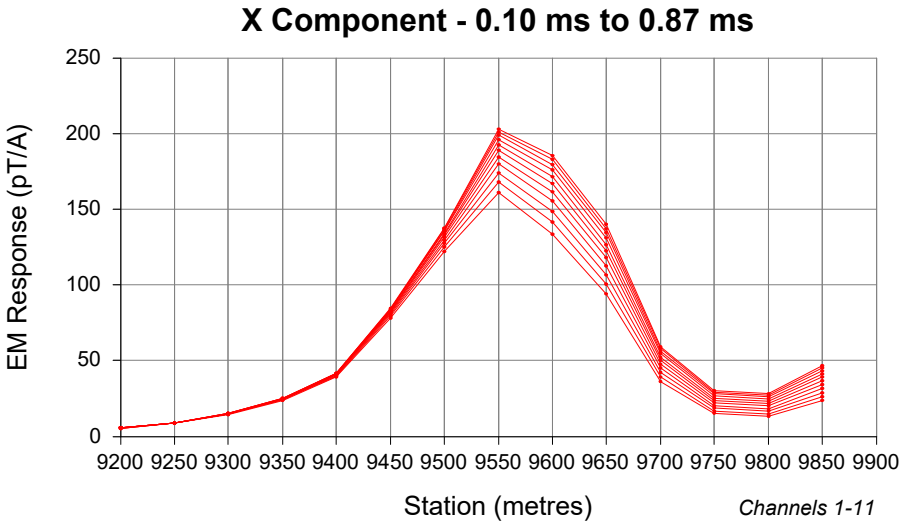
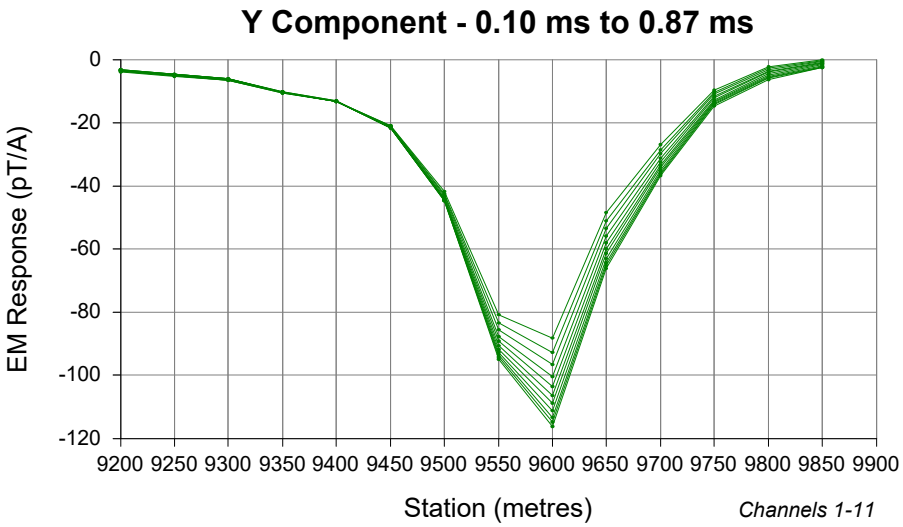
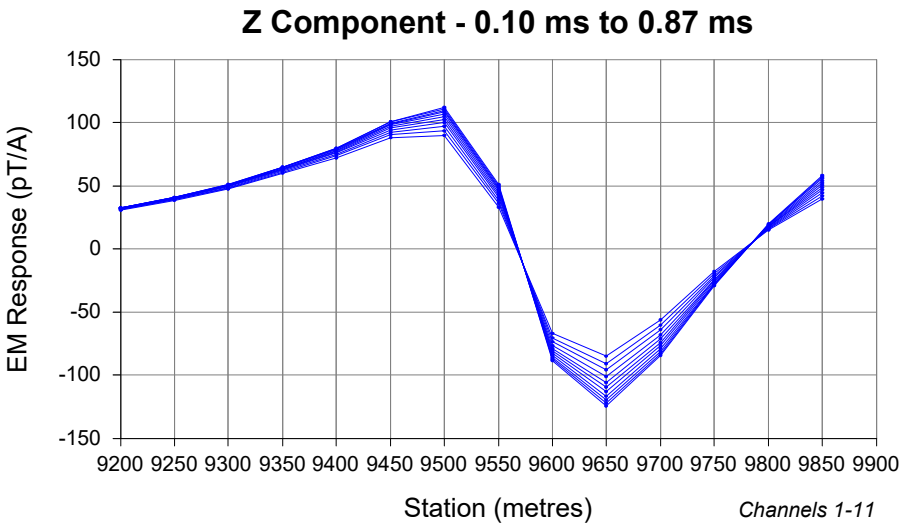








SURVEY PARAMETERS

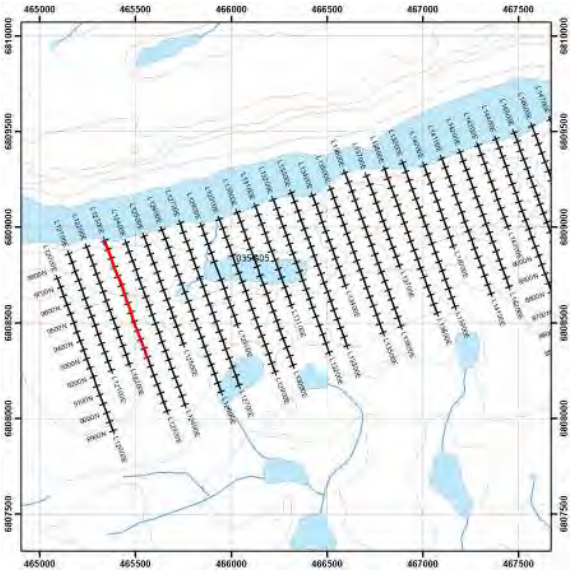
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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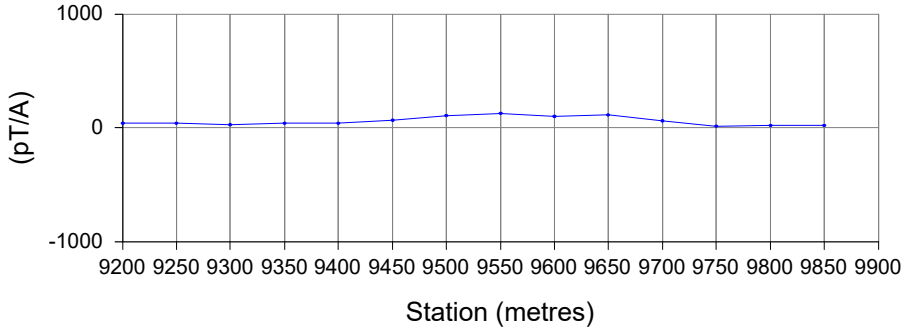
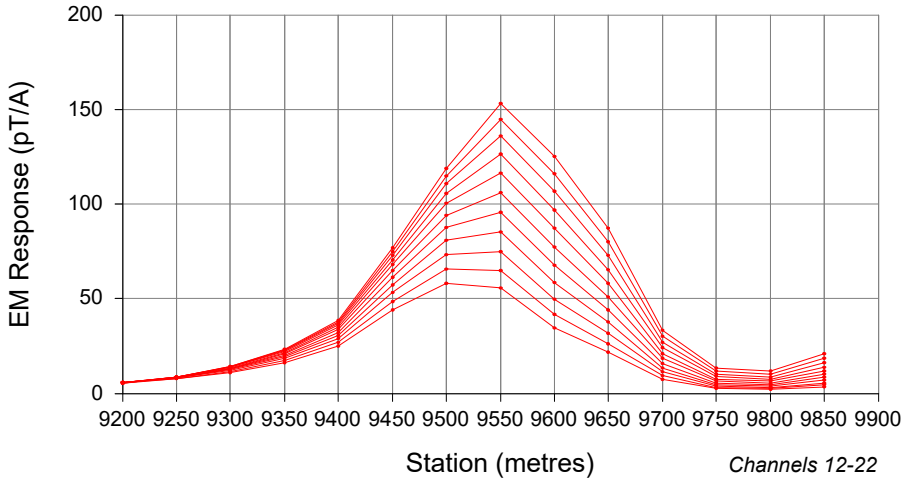
Y Primary Field



X Component - 1.08 ms to 9.39 ms



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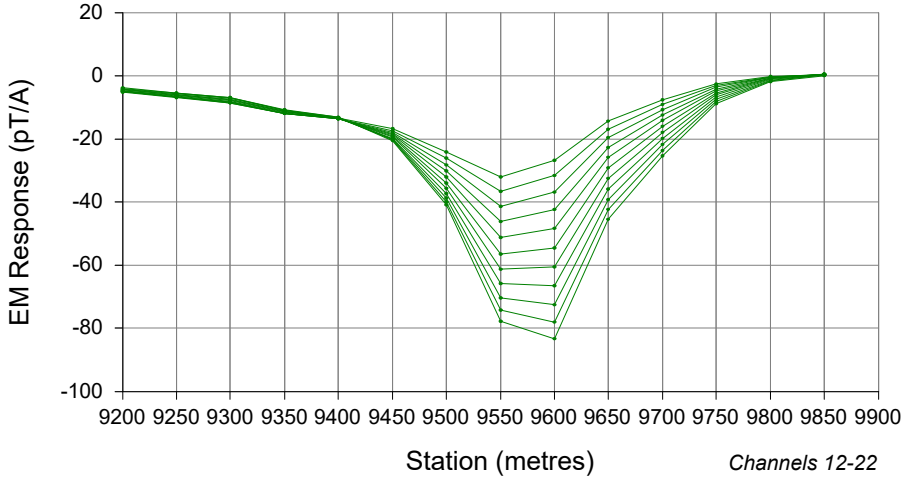

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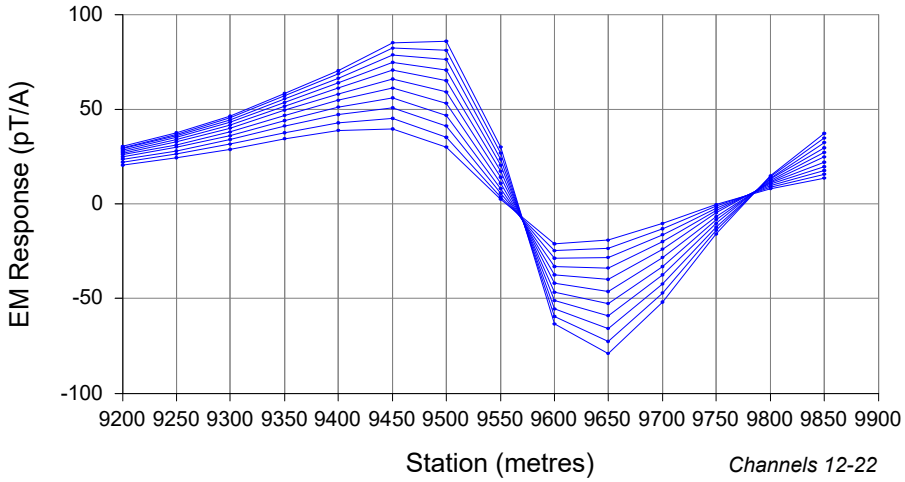


SURVEY PARAMETERS

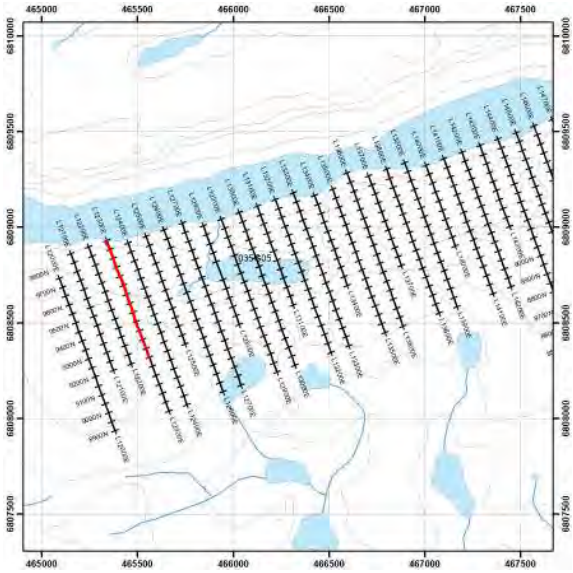
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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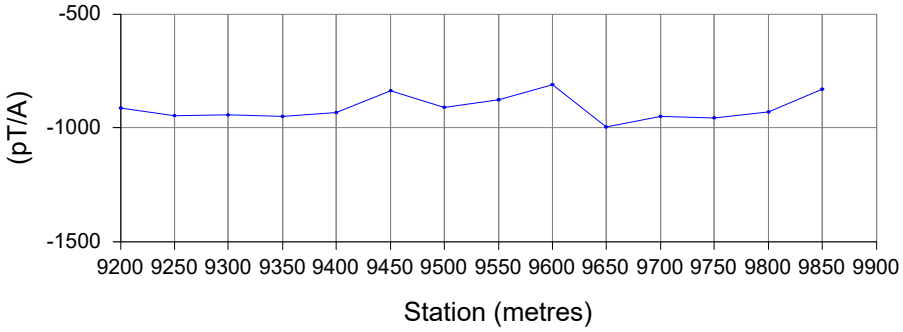
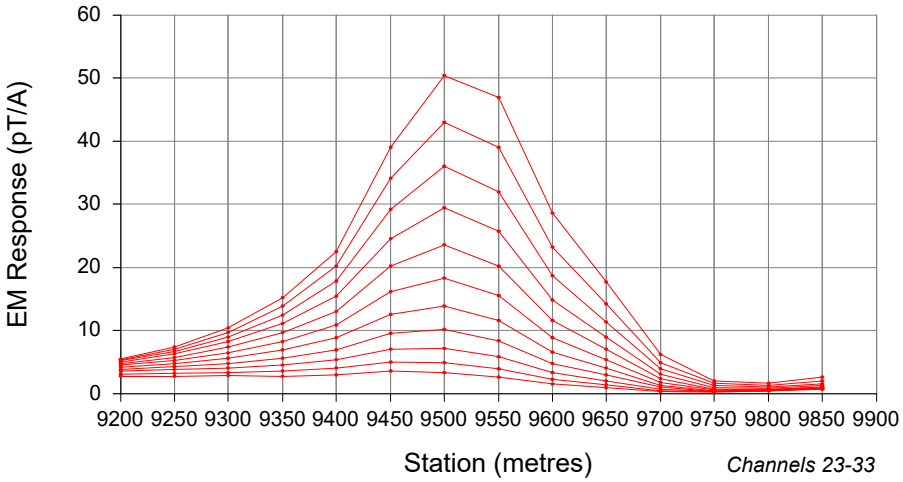
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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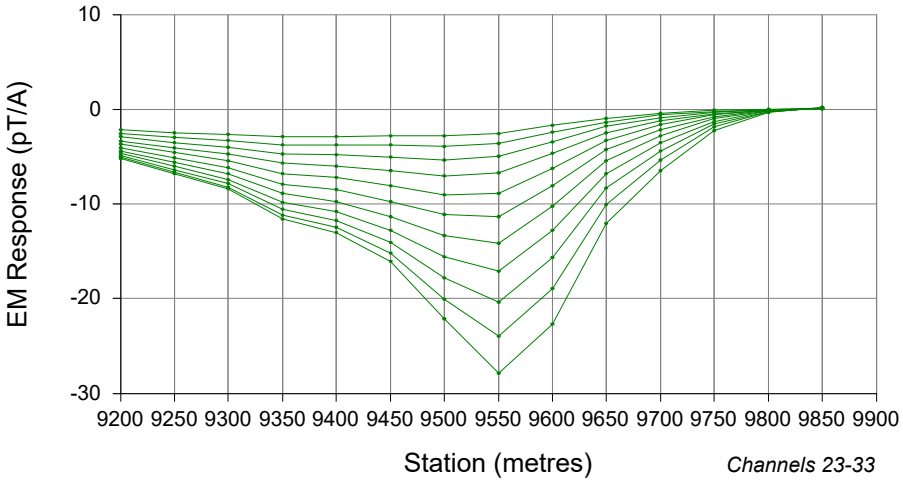
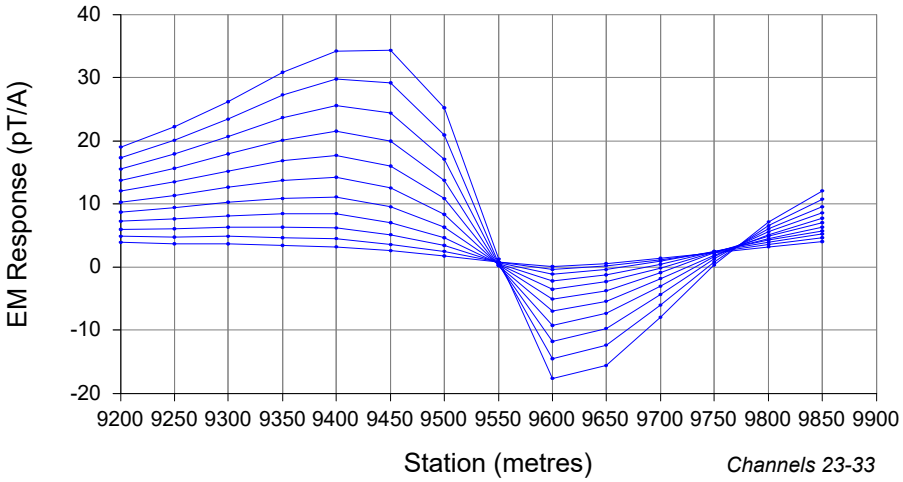


Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

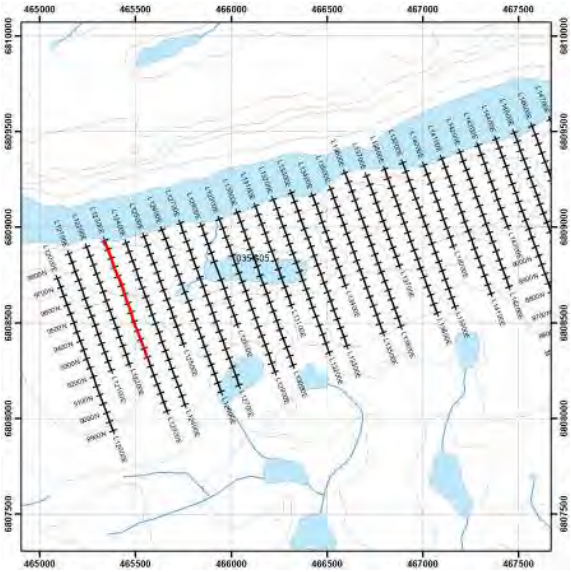
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 12300E

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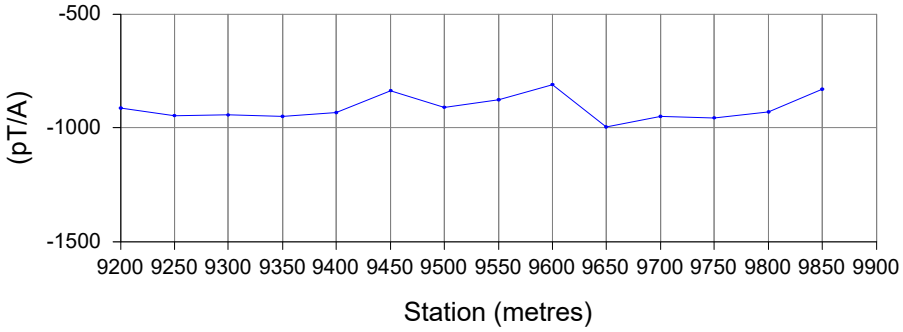
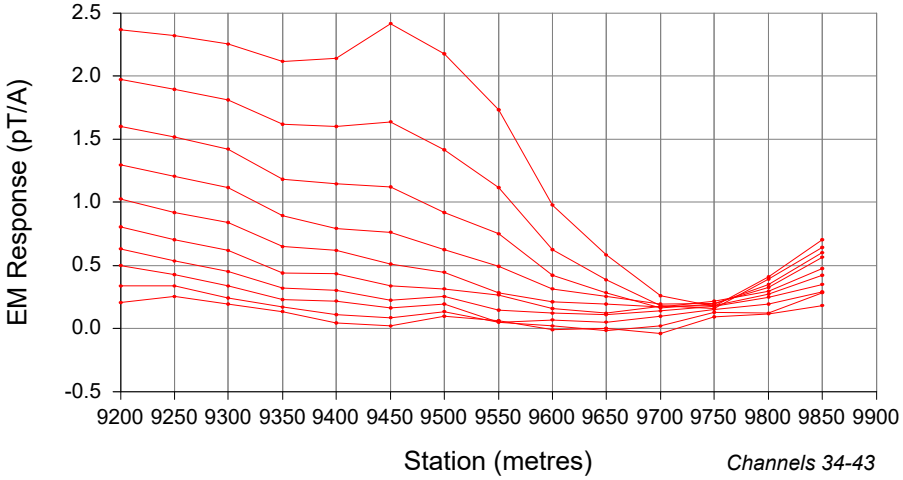
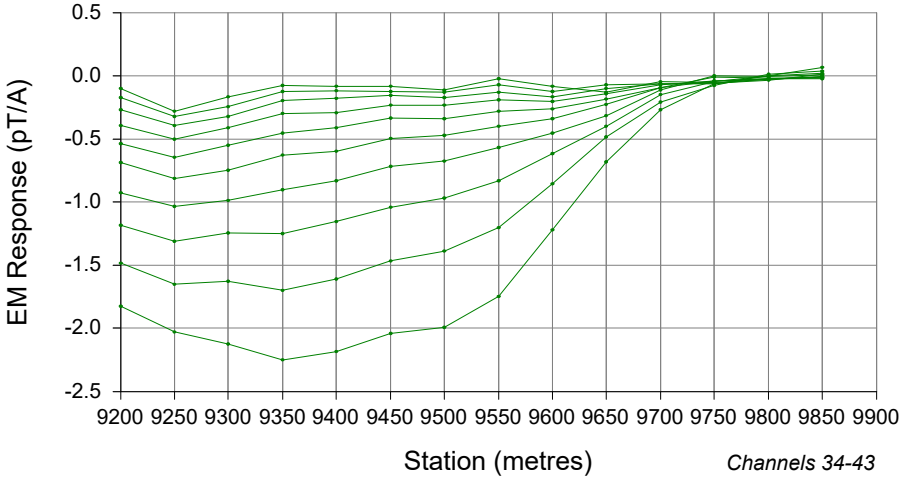
Z Primary Field



X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



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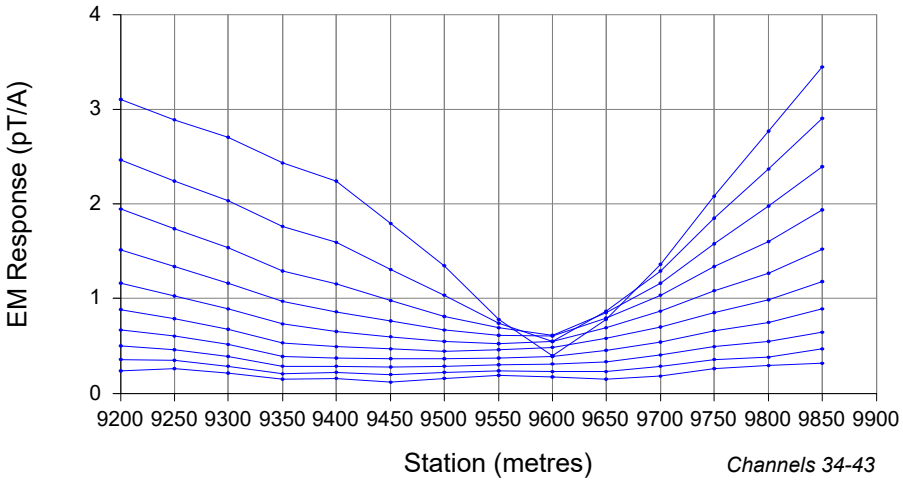

SURVEY PARAMETERS

Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
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TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
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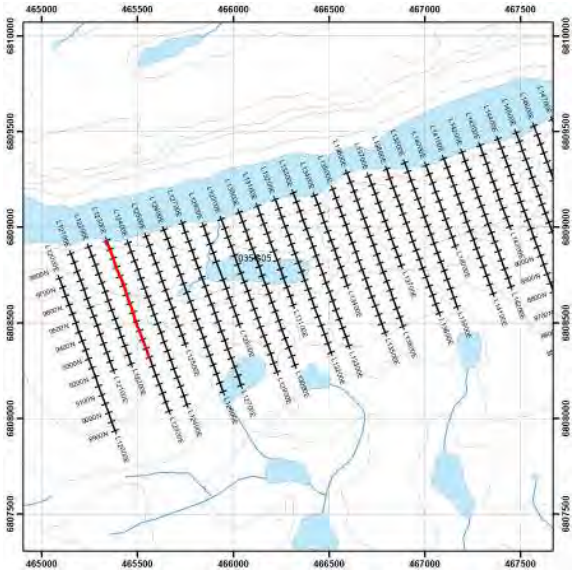

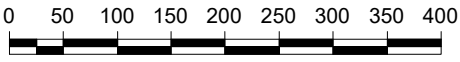

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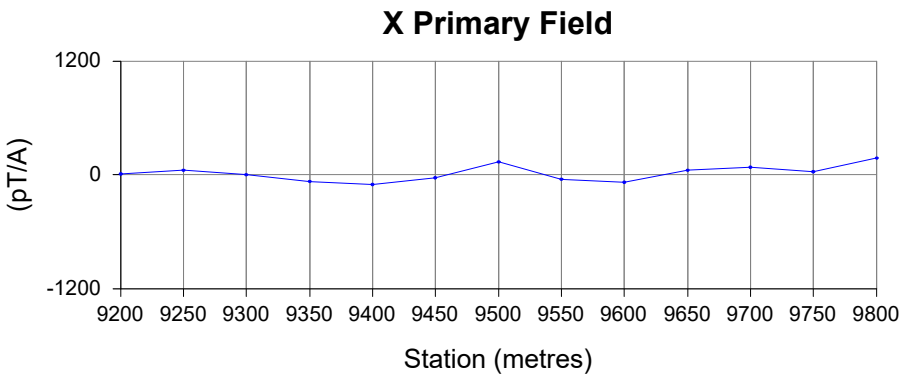
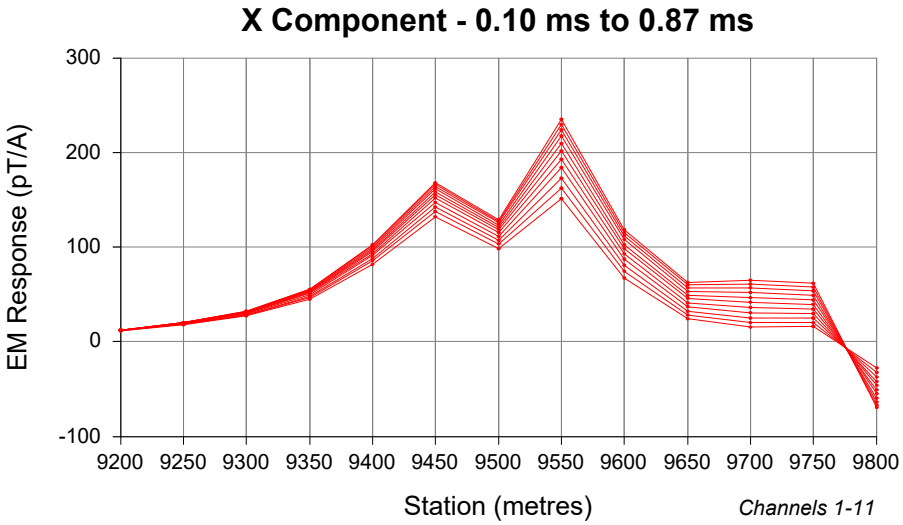
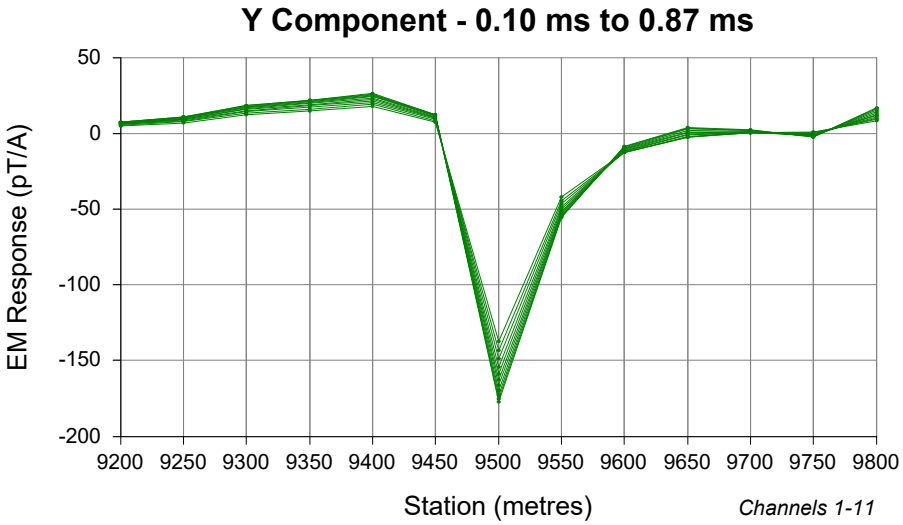
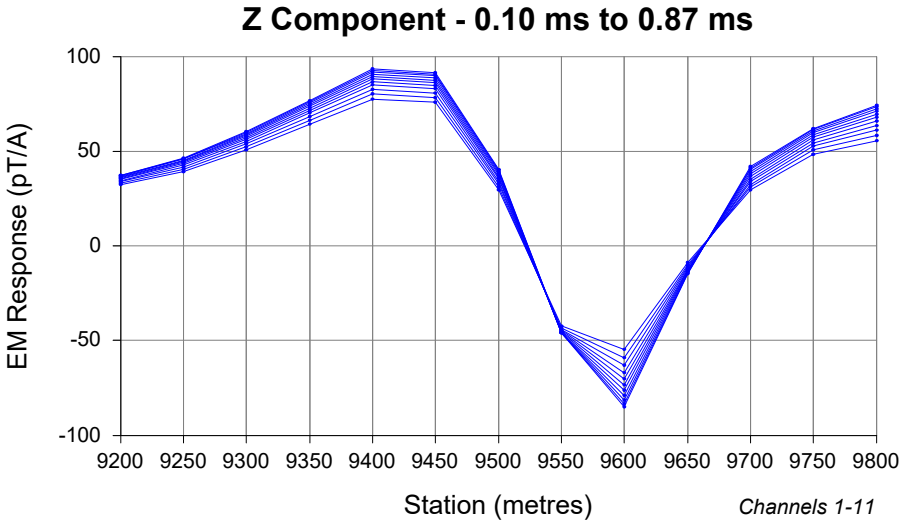








SURVEY PARAMETERS

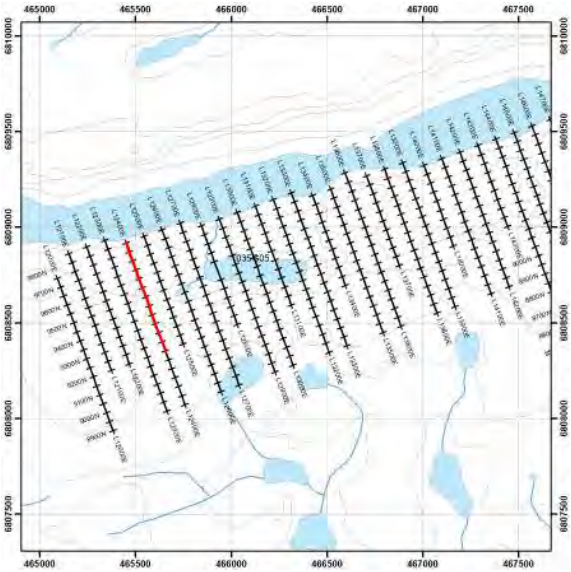
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

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West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12400E

Surveyed By: Joseph Cook
Survey Date: August 2021

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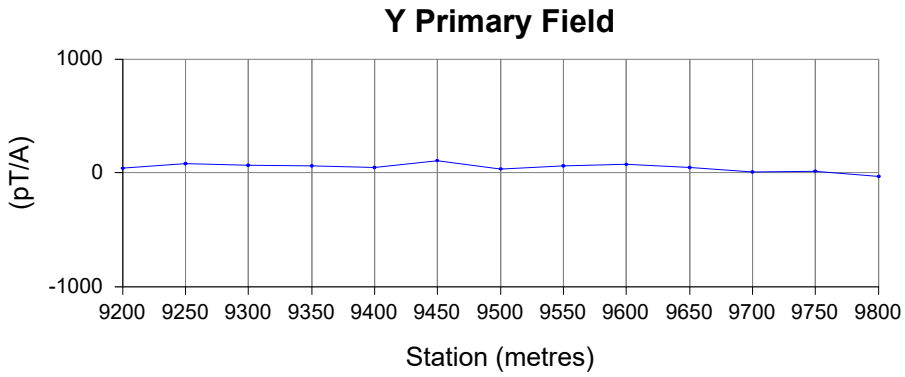
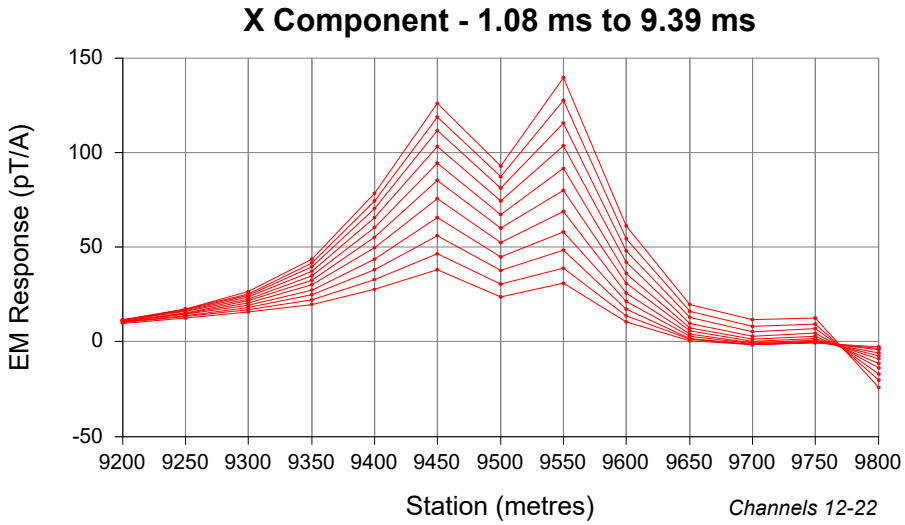
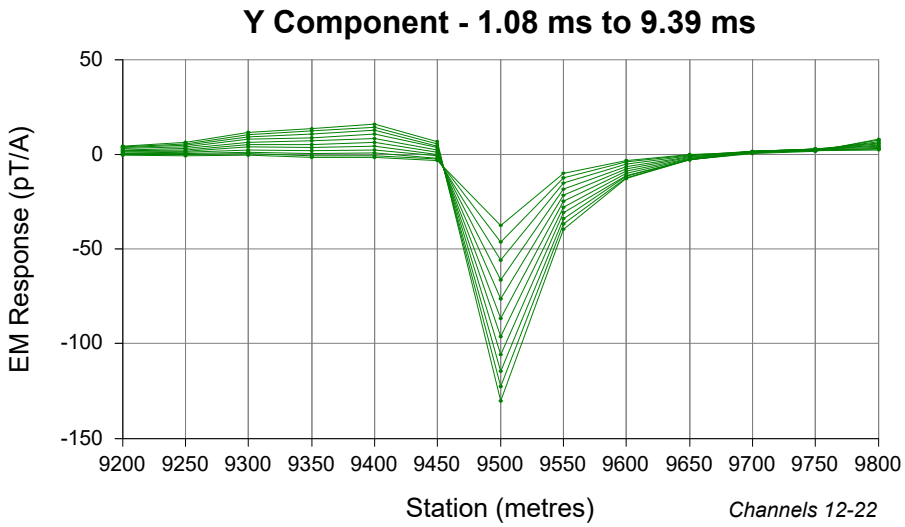
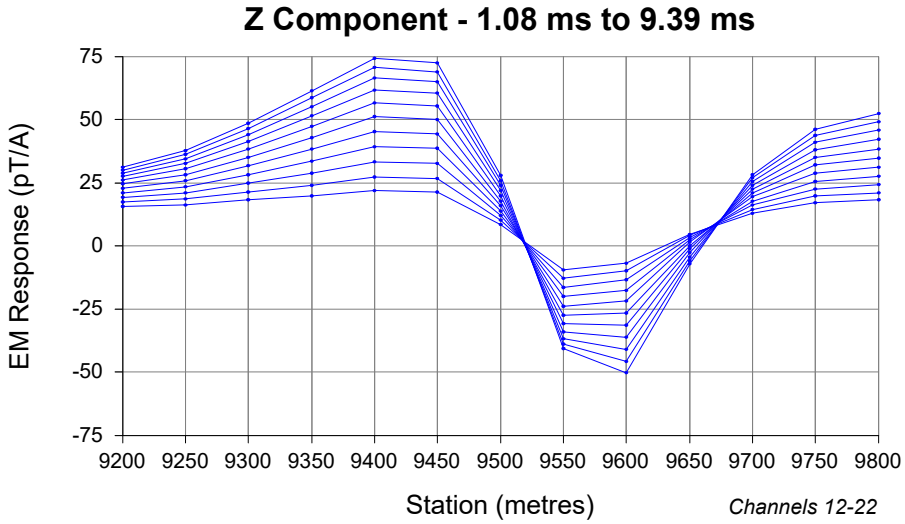








SURVEY PARAMETERS

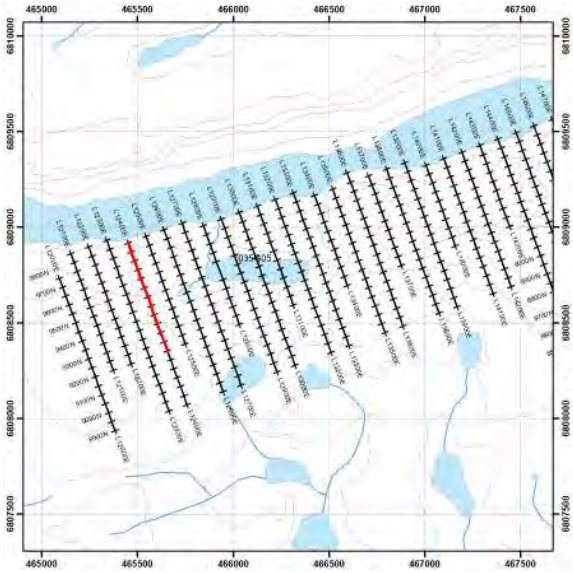
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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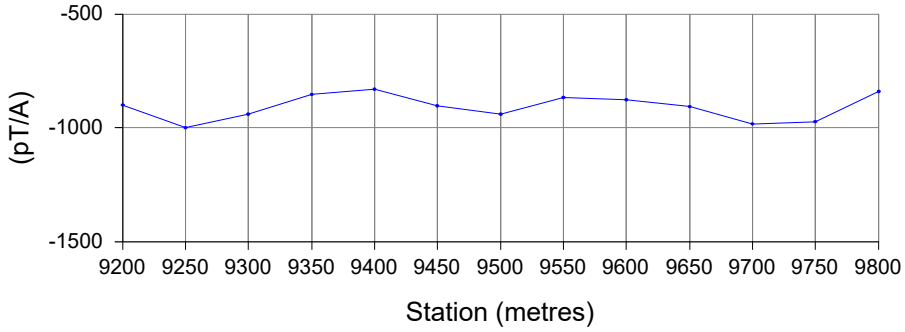
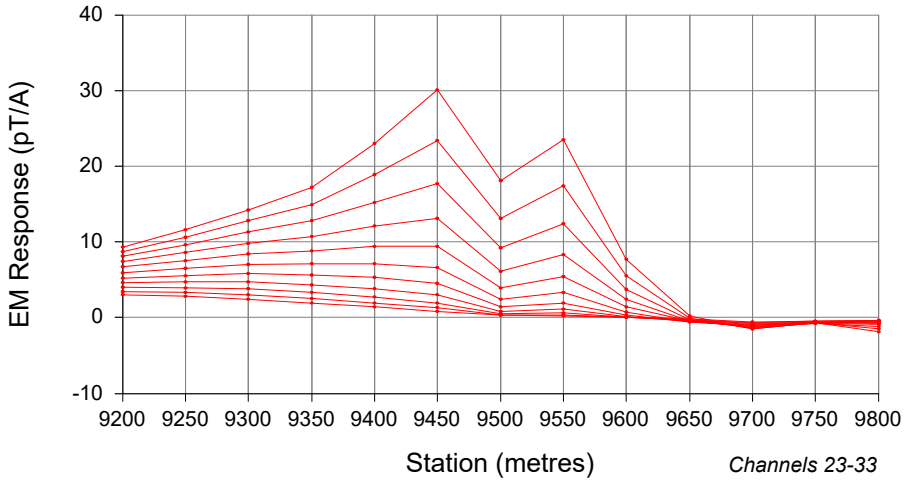
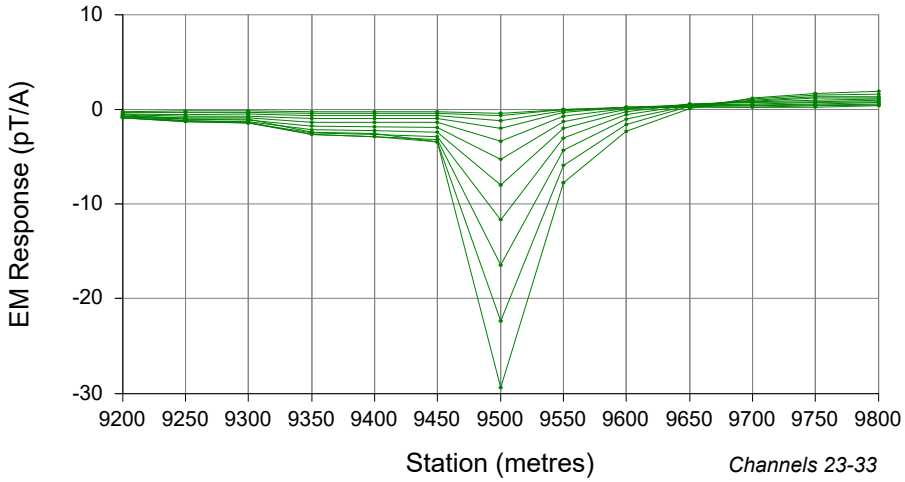
Z Primary Field



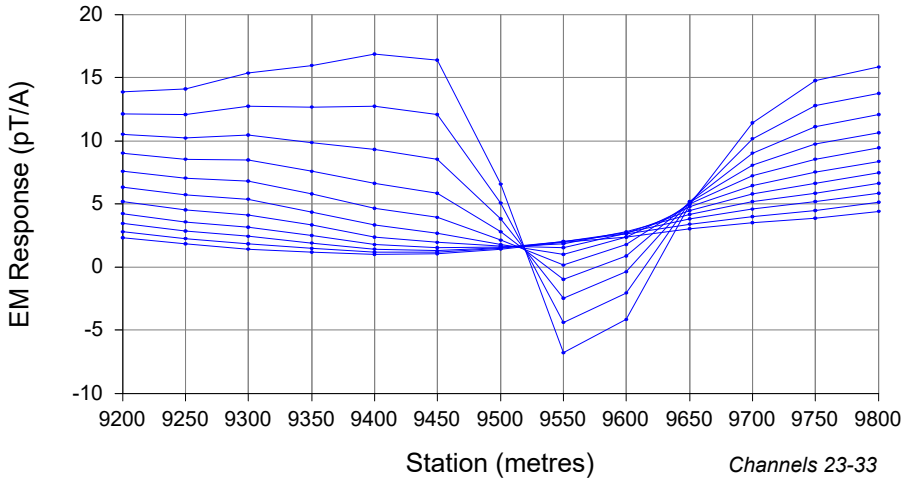
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

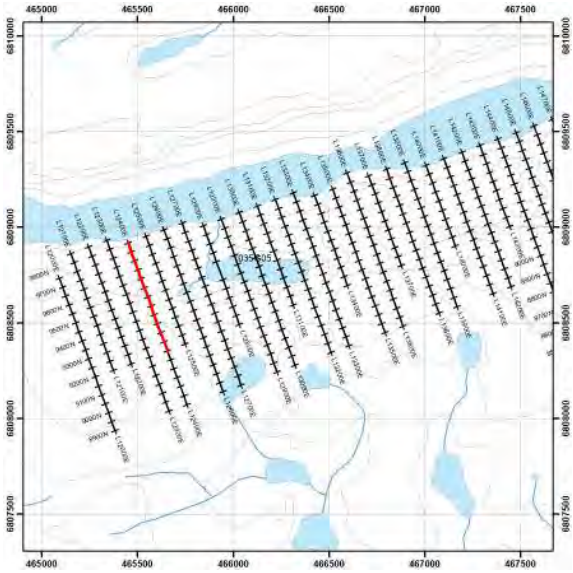
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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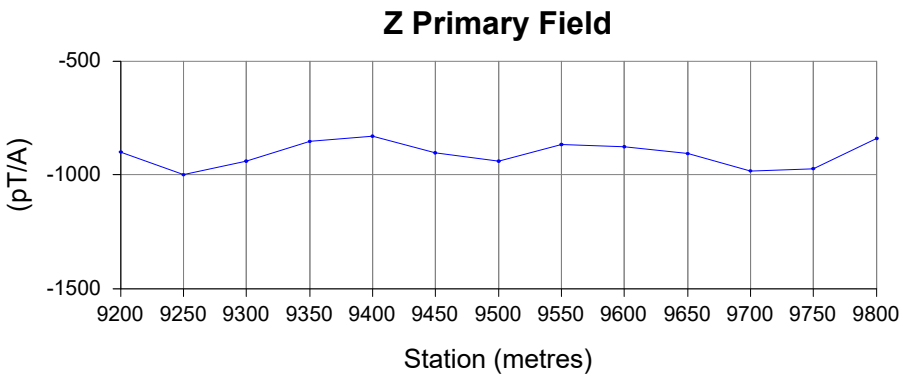
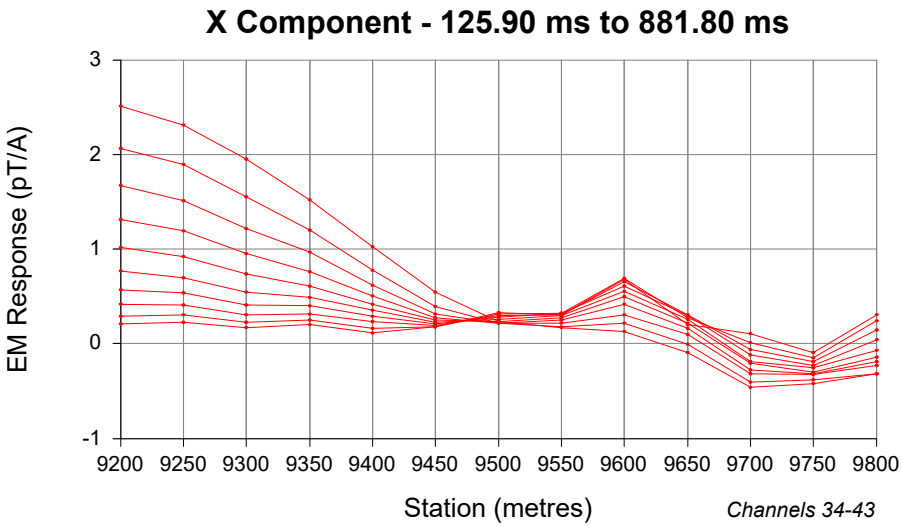
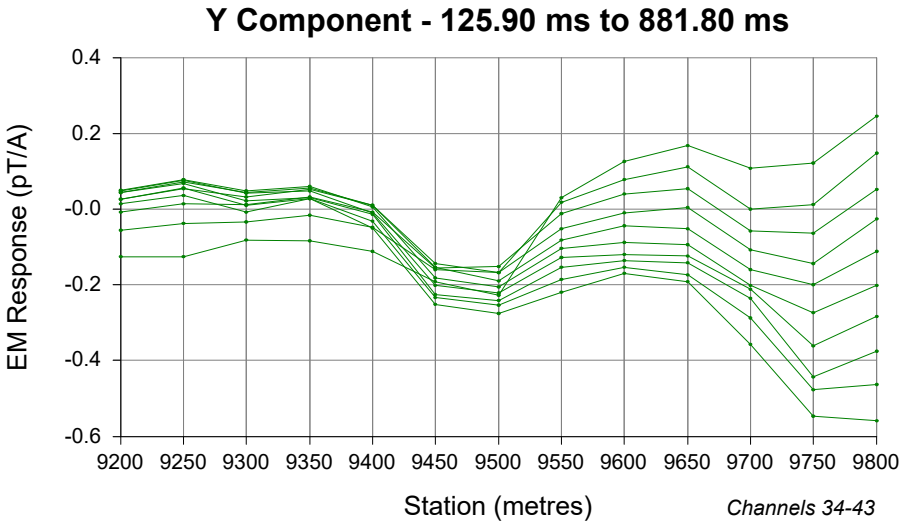
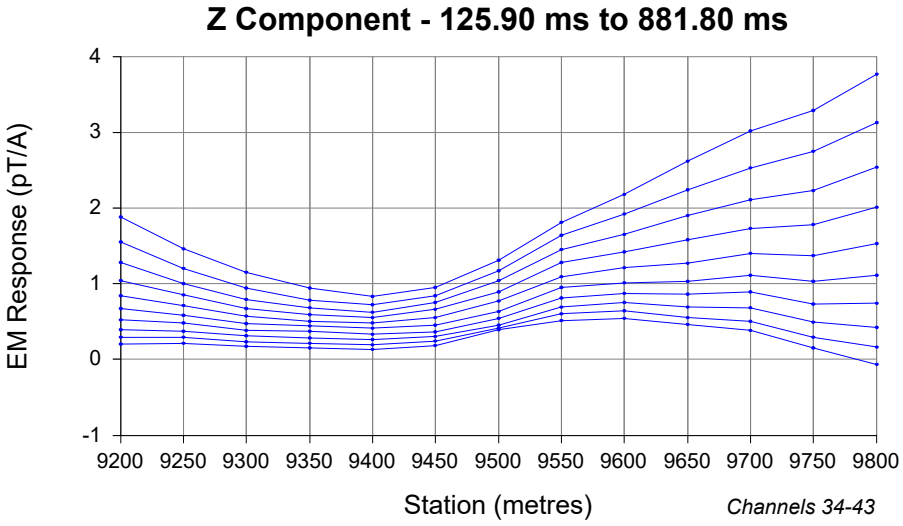








SURVEY PARAMETERS

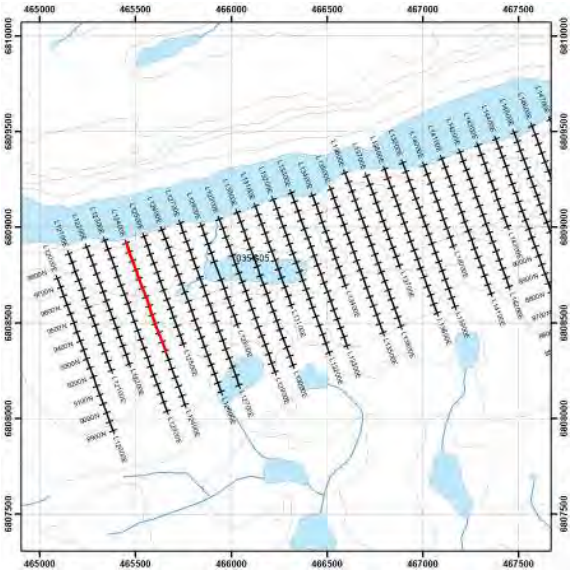
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 12400E

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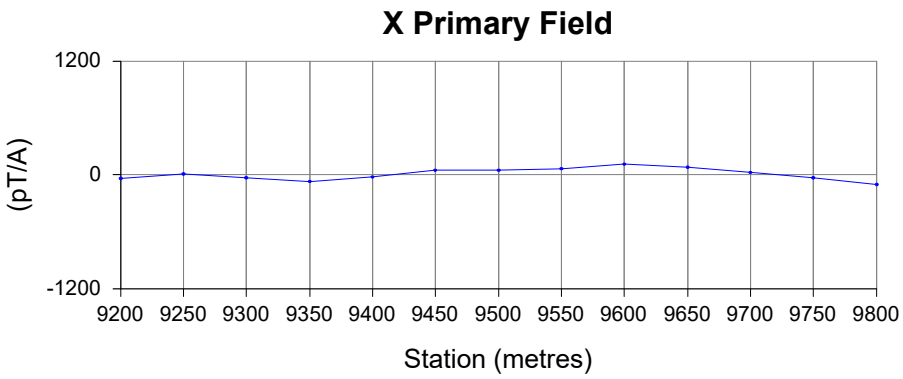
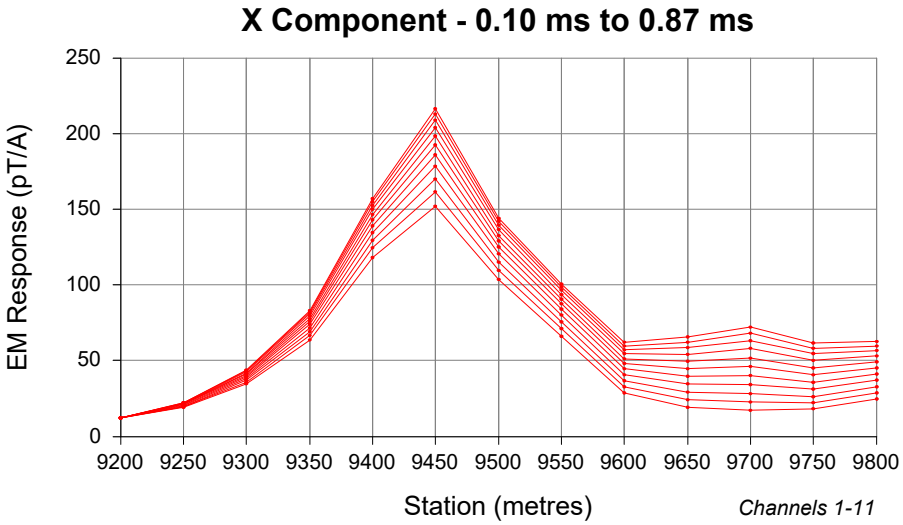
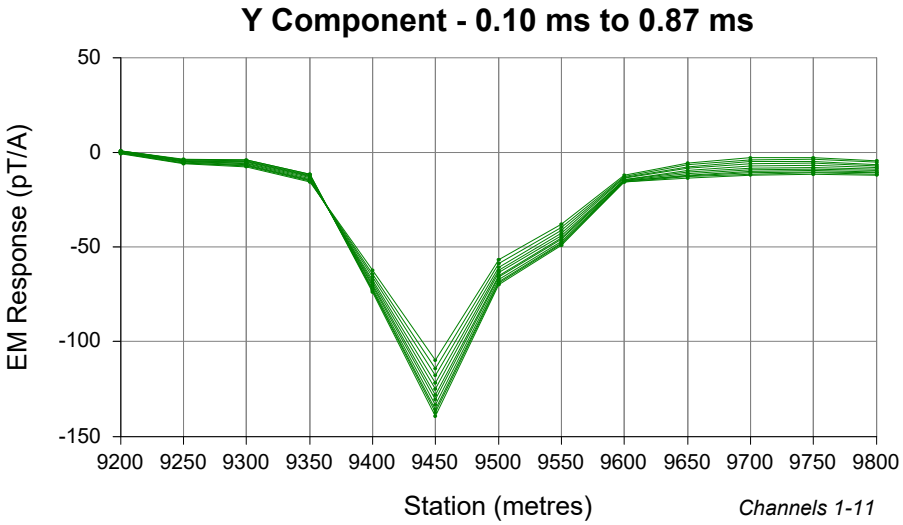
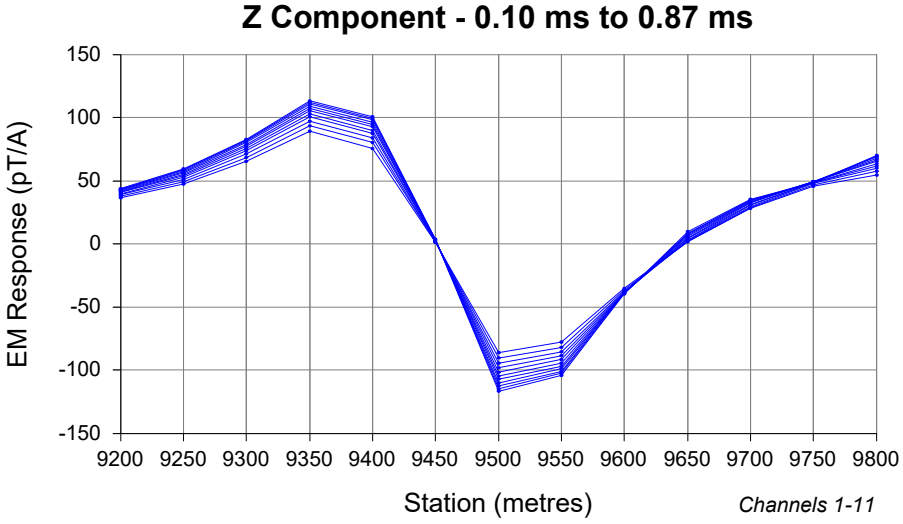








SURVEY PARAMETERS

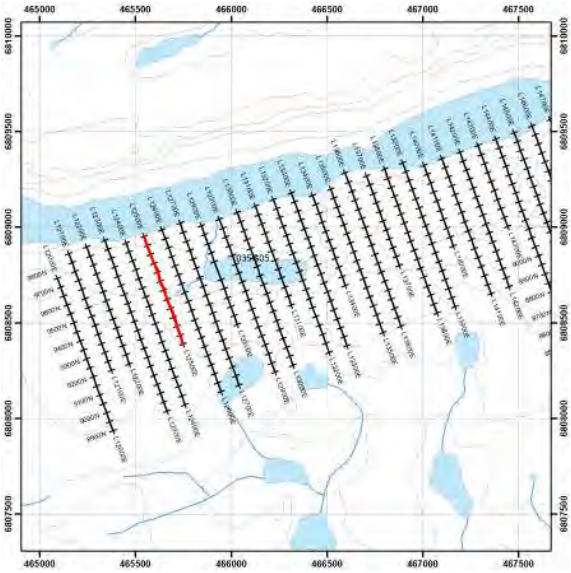
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Beverly West Grid
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Slingram Survey

Line 12500E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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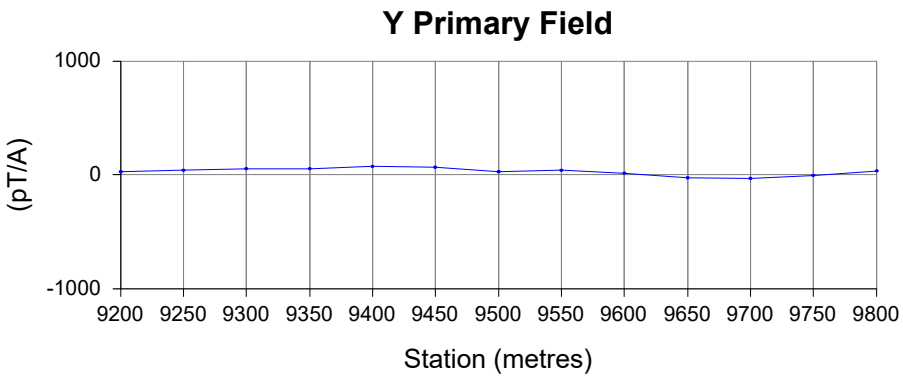

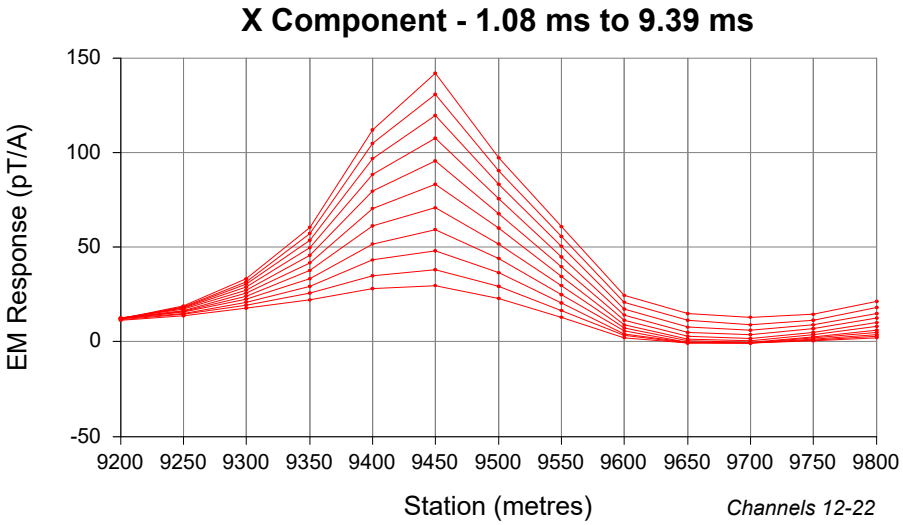

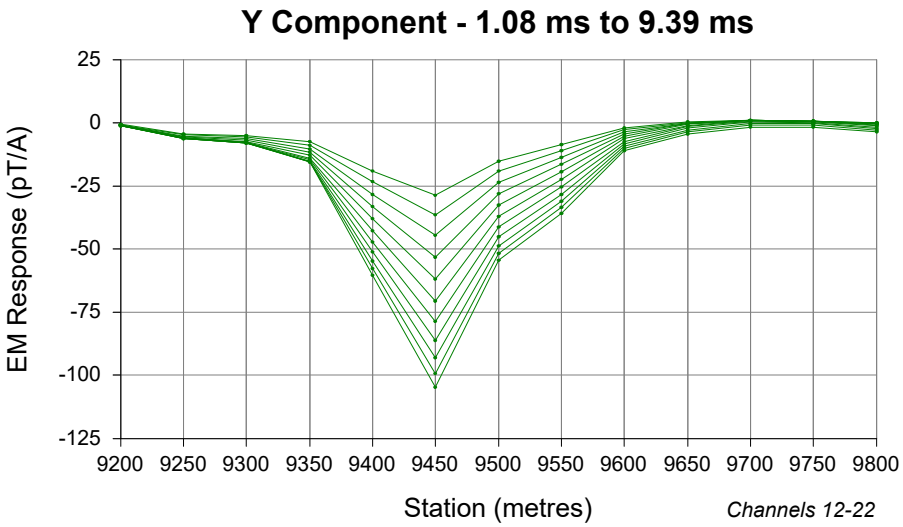

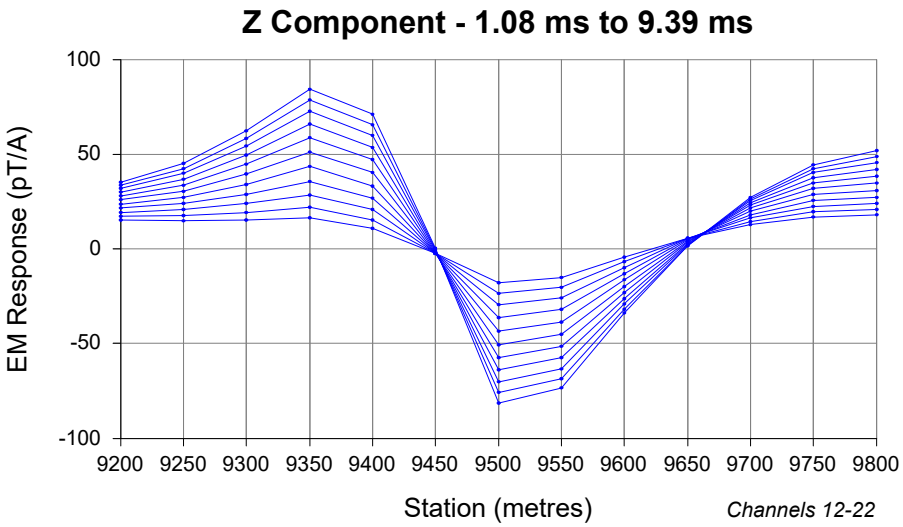

SURVEY PARAMETERS

Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
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TRANSMITTER

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Tx Loop Side	: 200 m x 400 m
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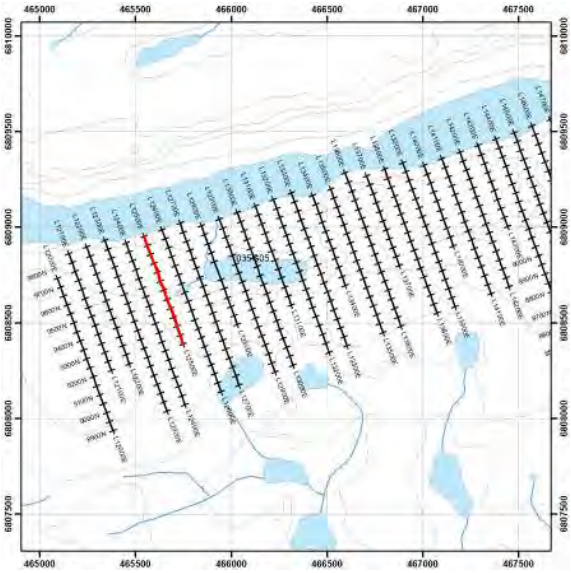
Turn Off	: 0.500 ms



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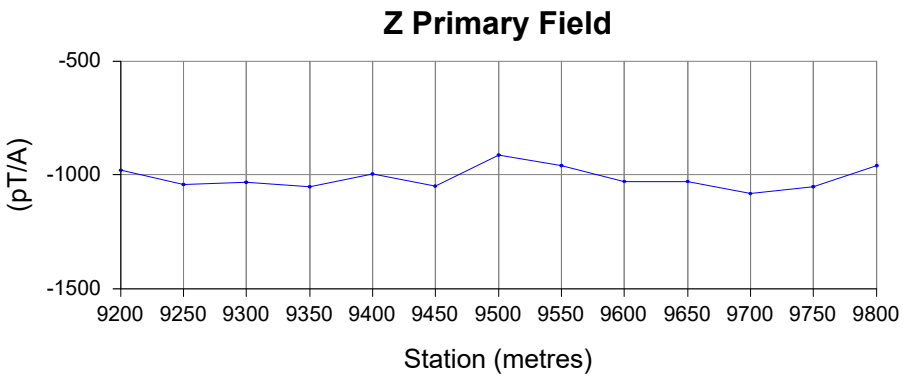

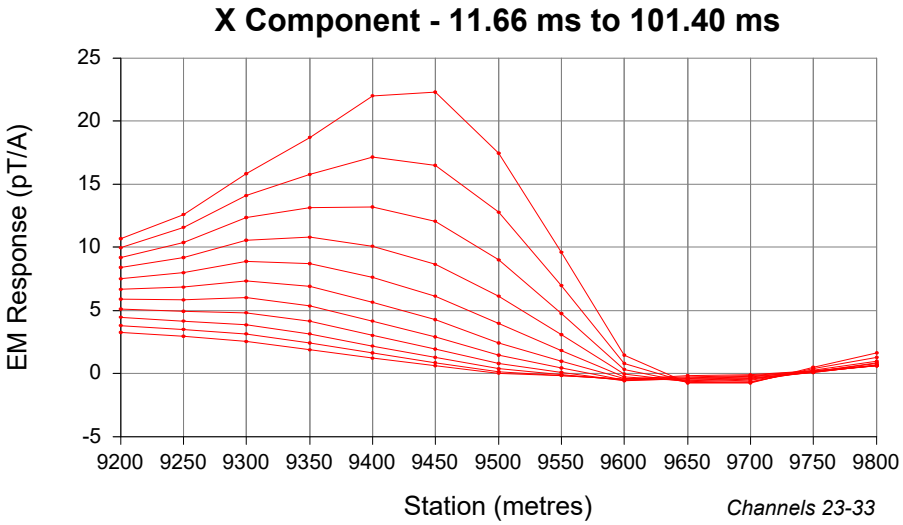

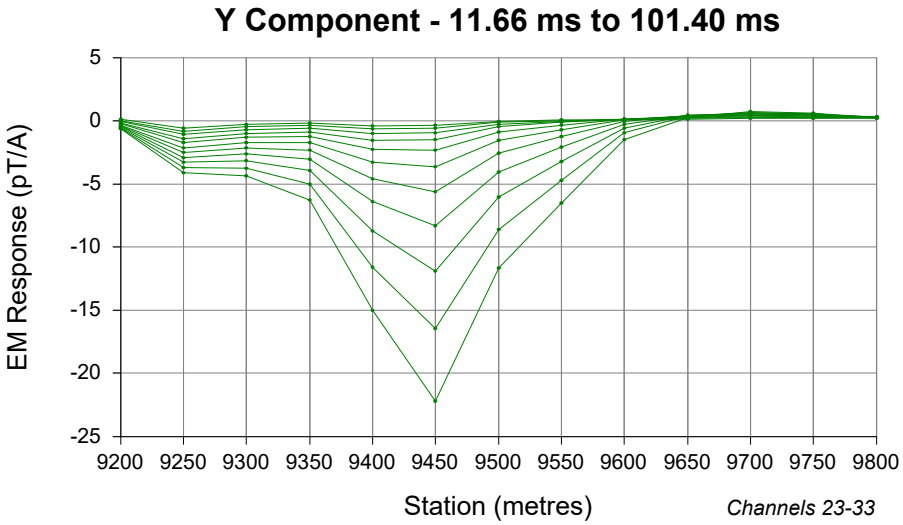

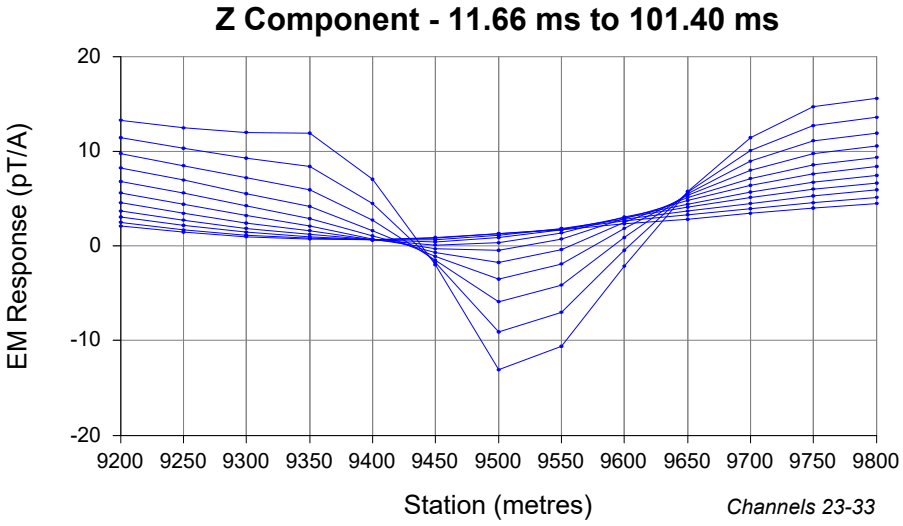

SURVEY PARAMETERS

Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
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TRANSMITTER

Transmitter	: Phoenix TXU-30
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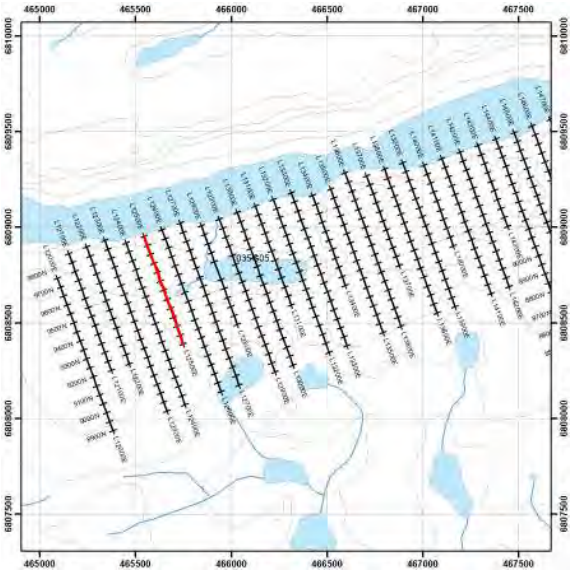

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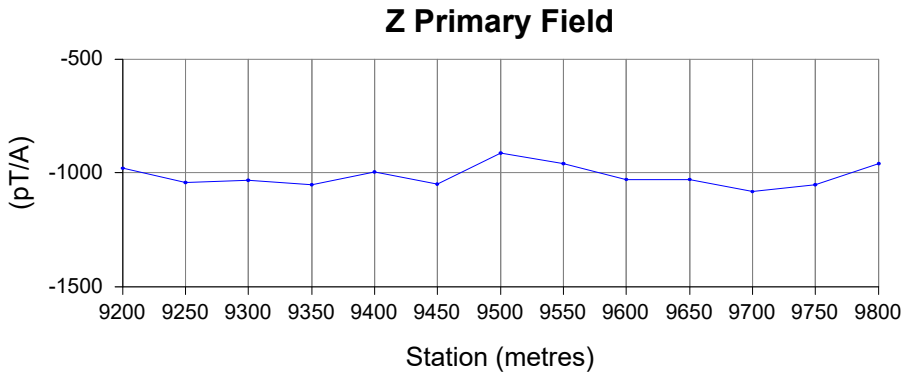

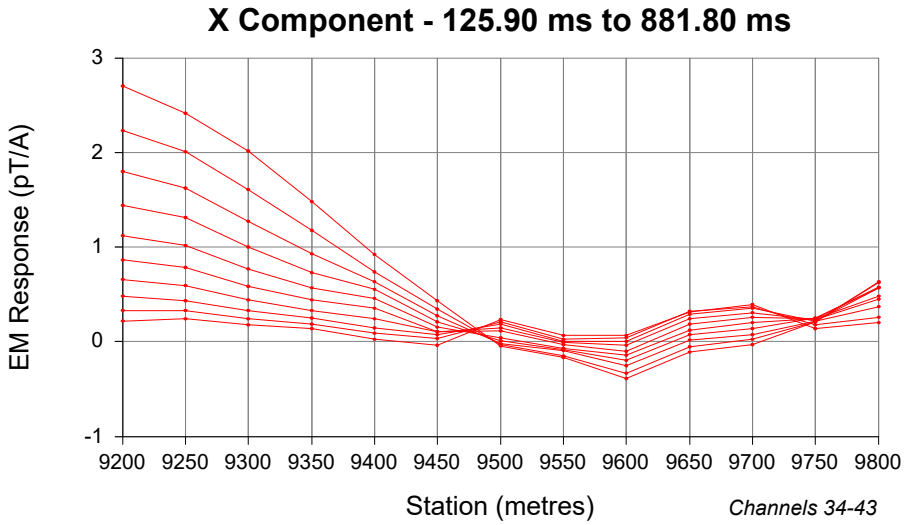

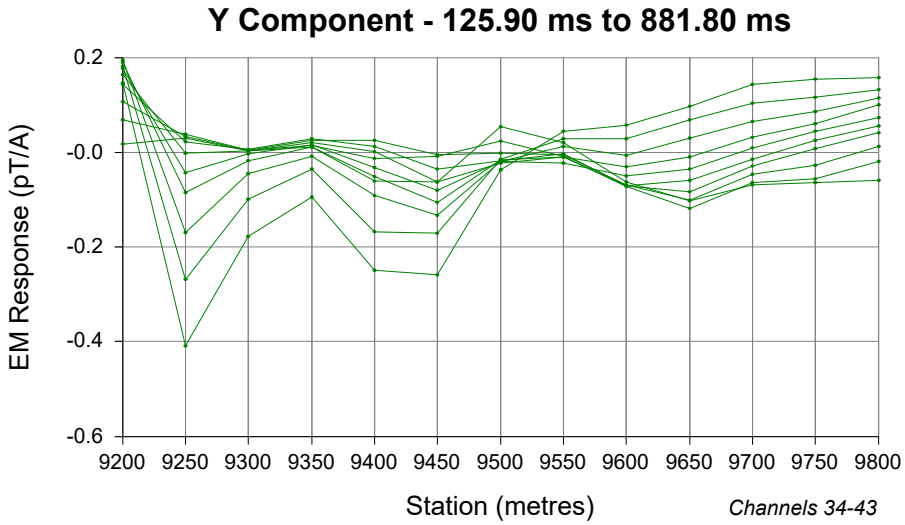

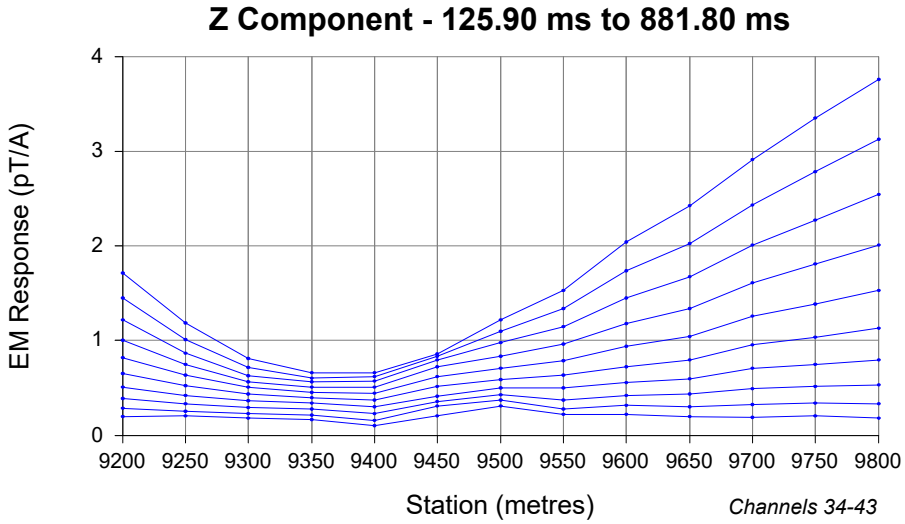

SURVEY PARAMETERS

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Receiver	: SMARTem24
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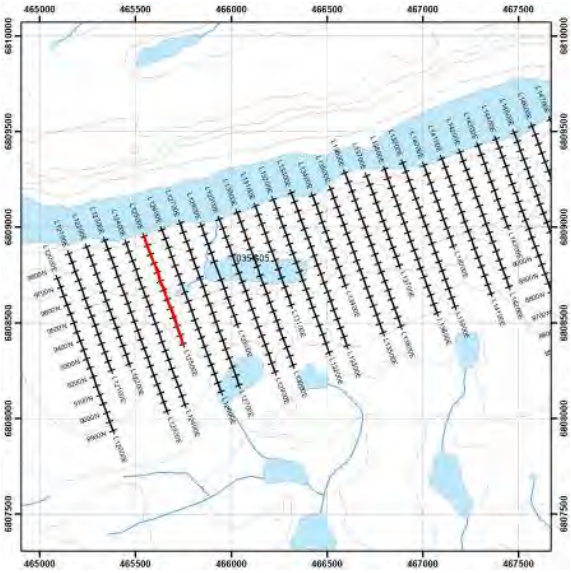

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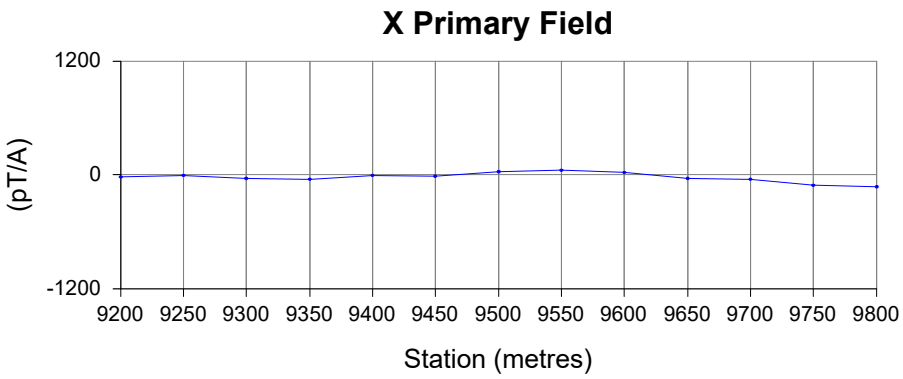
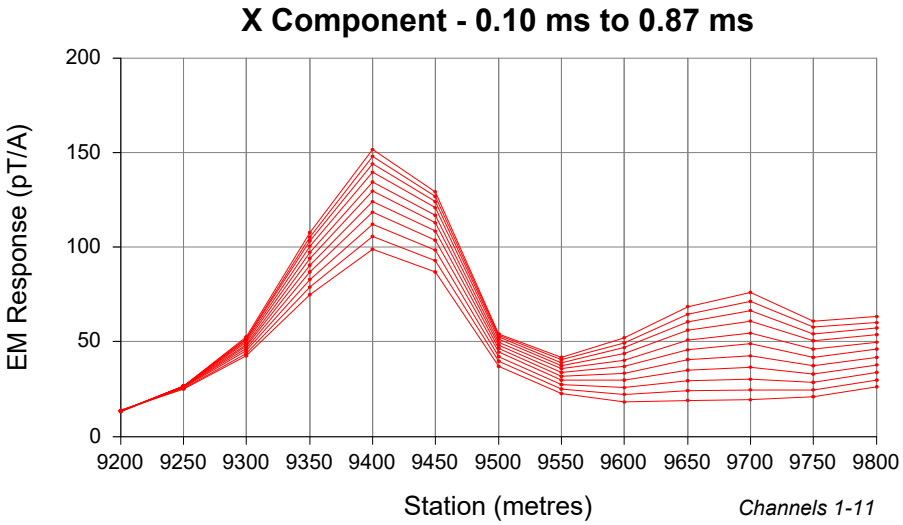
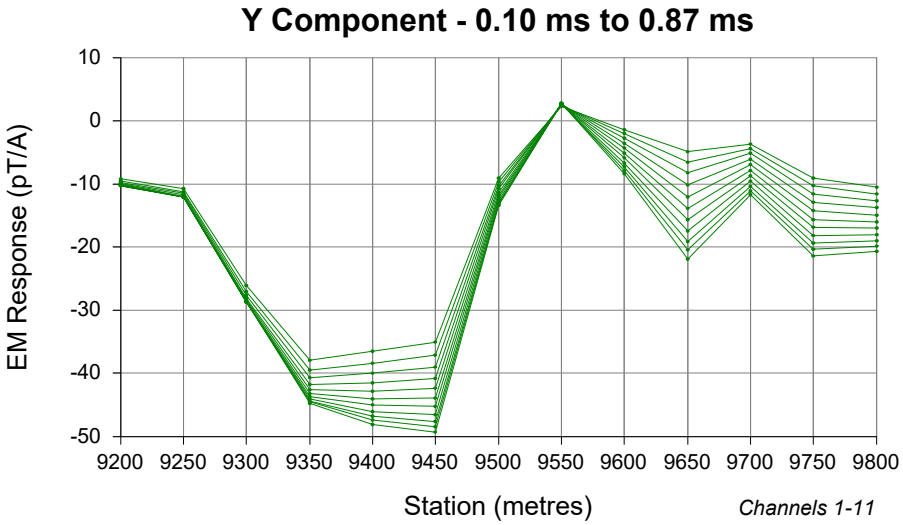
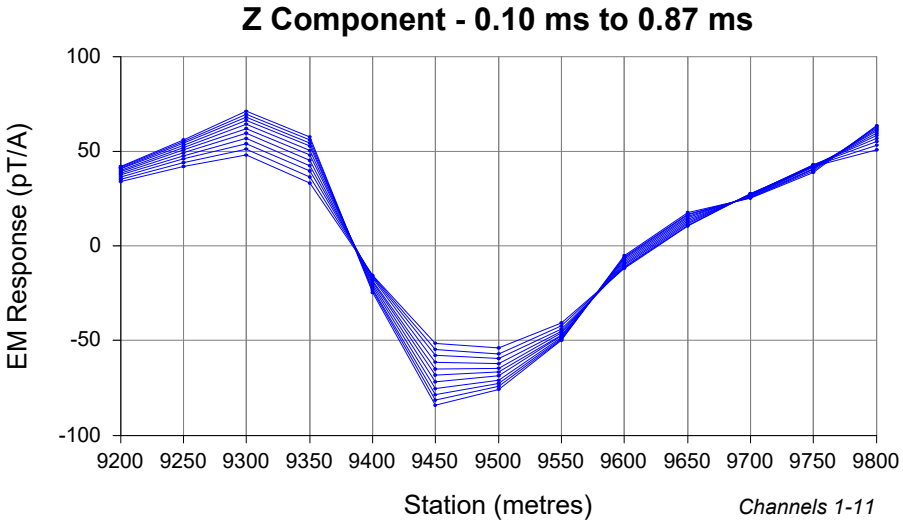








SURVEY PARAMETERS

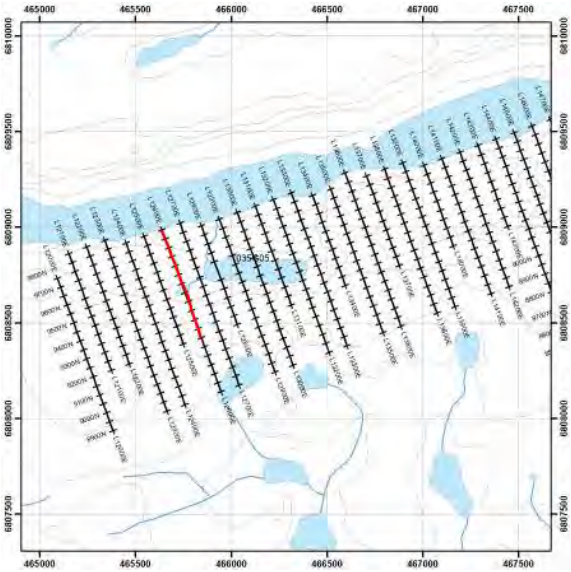
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12600E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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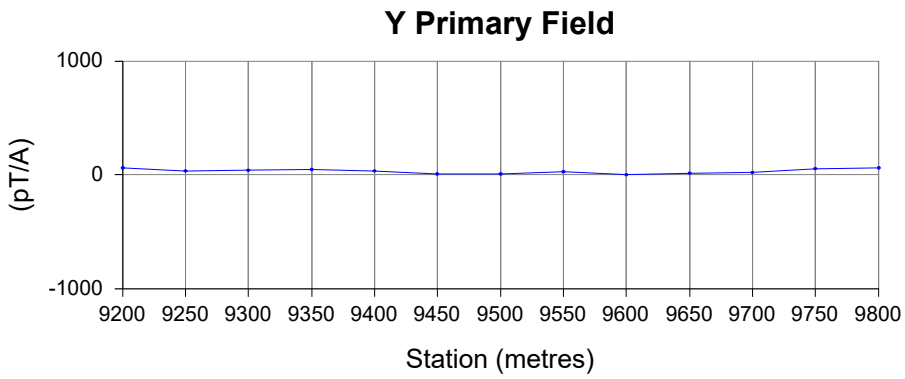
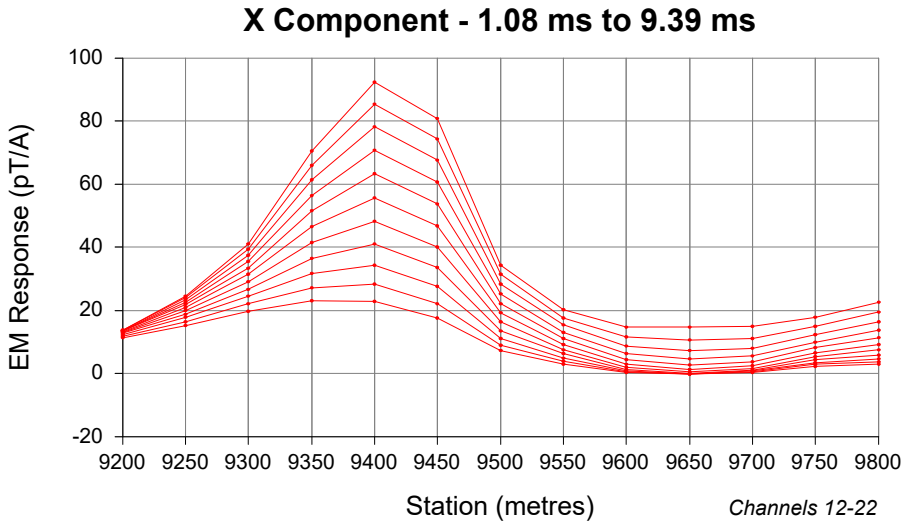
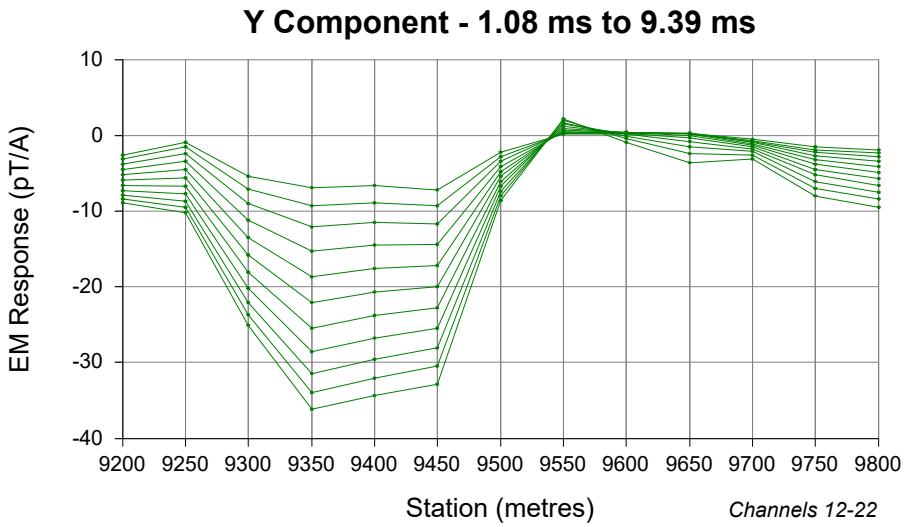
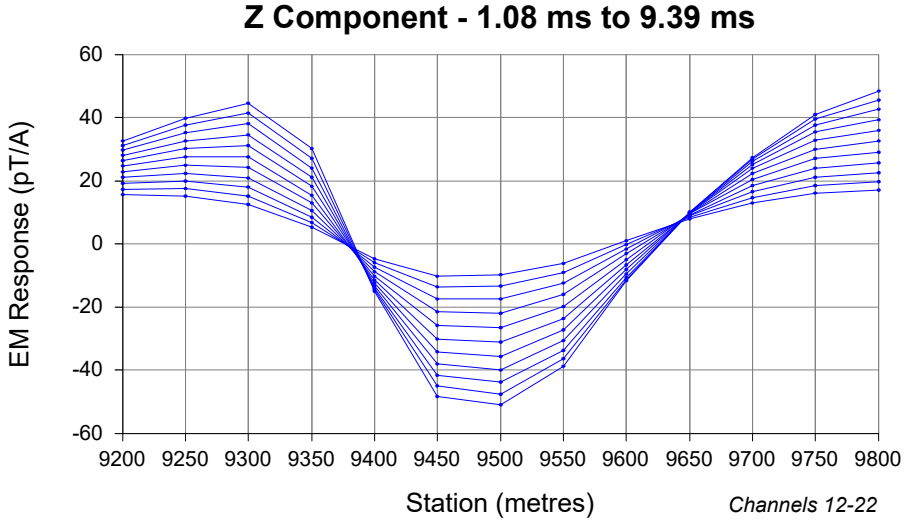








SURVEY PARAMETERS

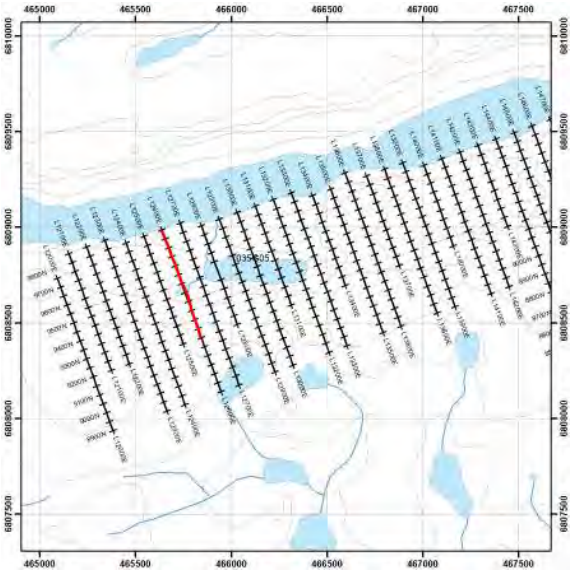
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12600E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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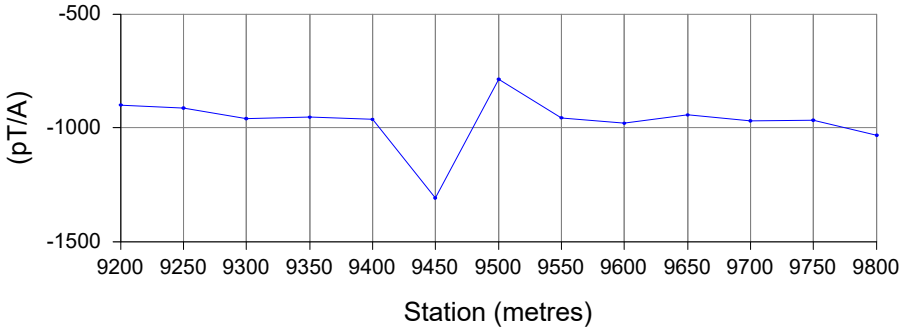
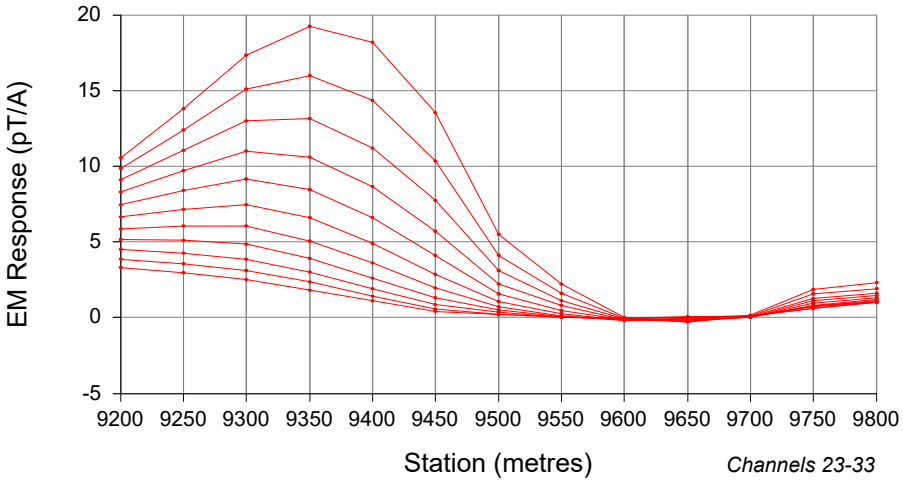
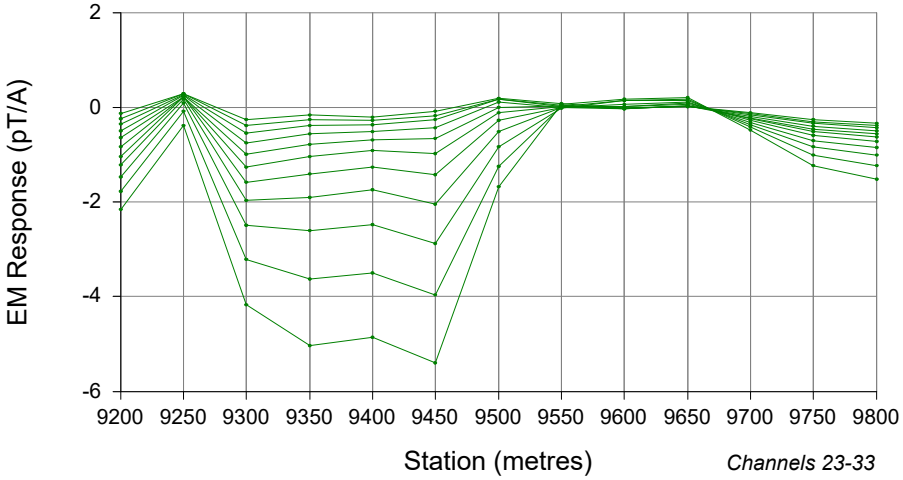
Z Primary Field



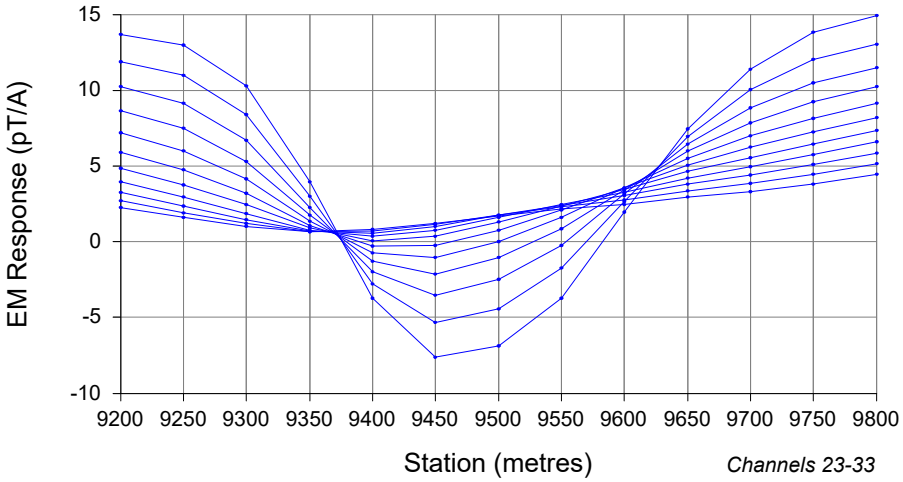
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

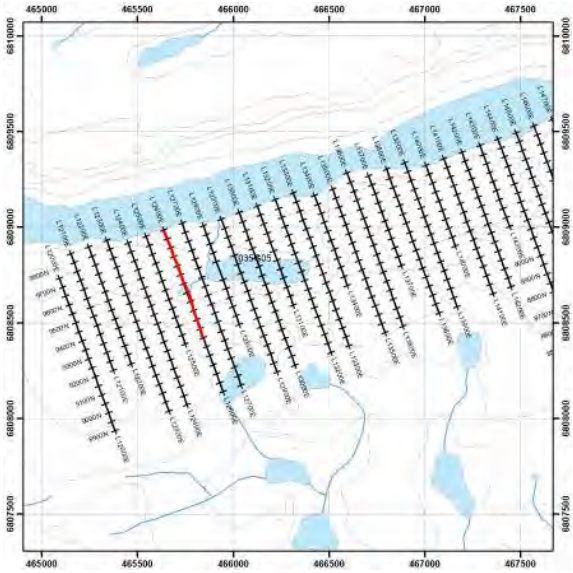
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12600E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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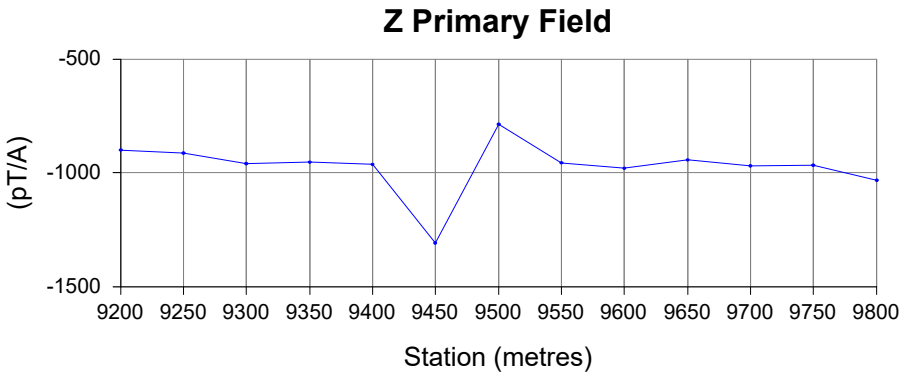
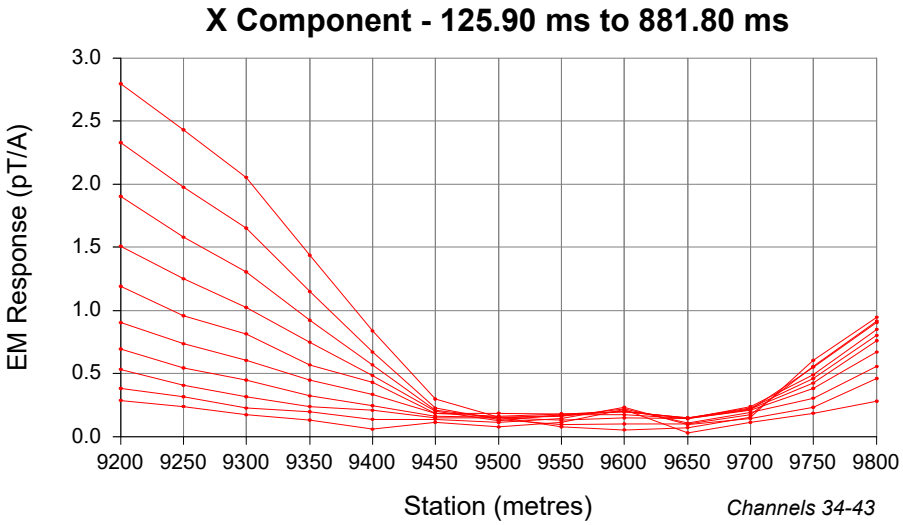
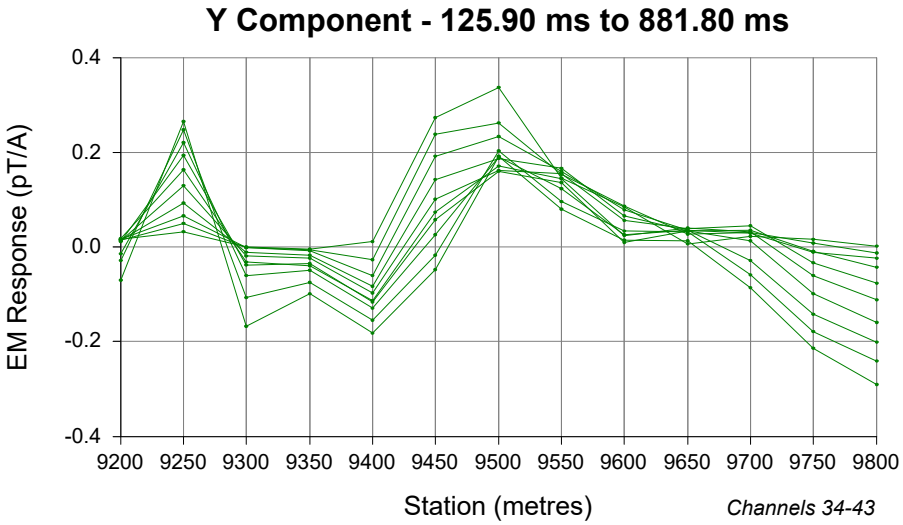
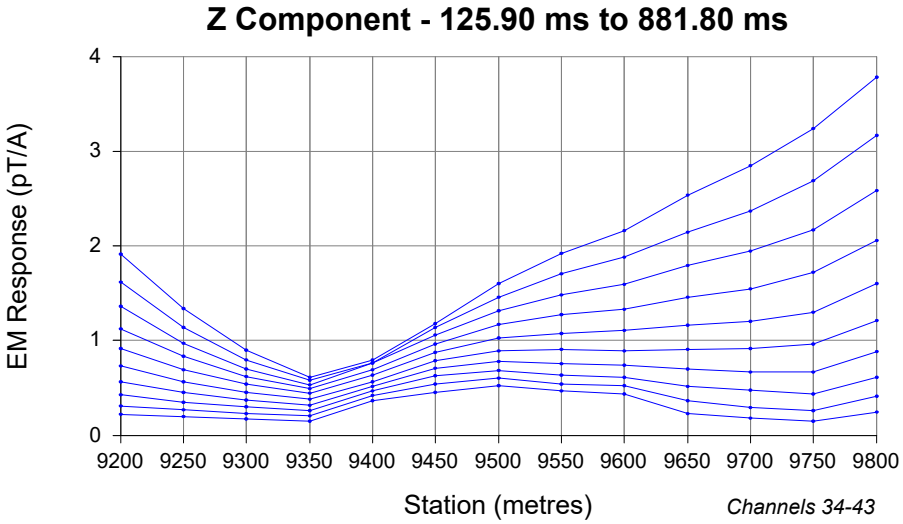








SURVEY PARAMETERS

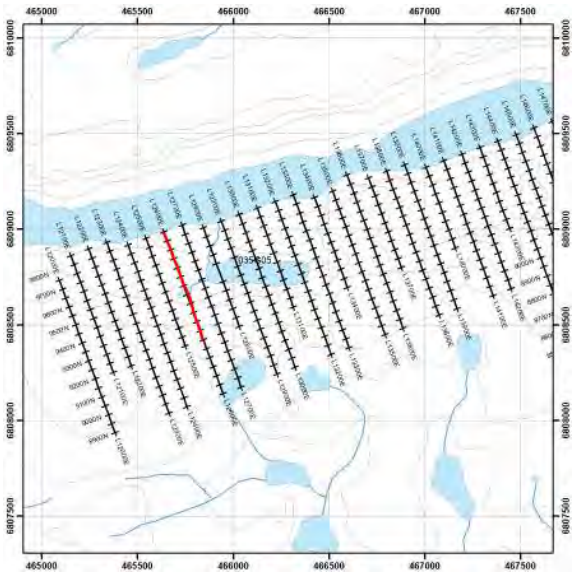
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12600E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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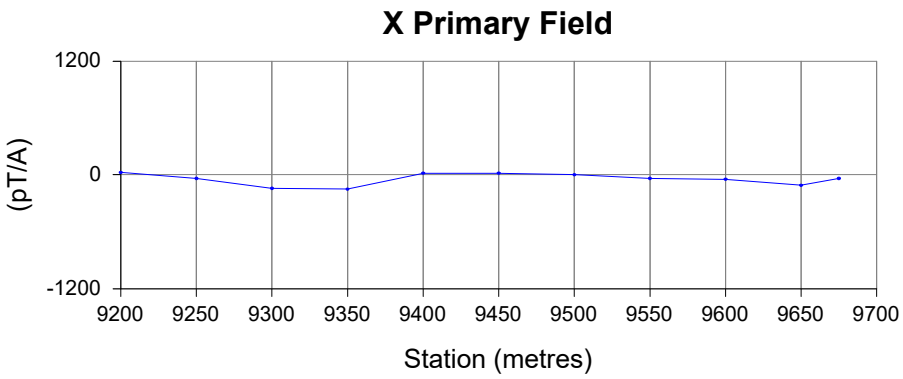
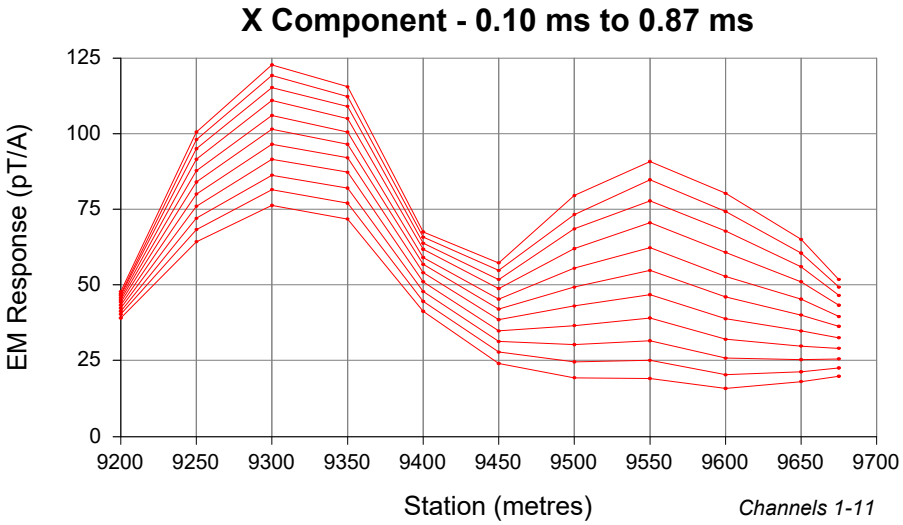
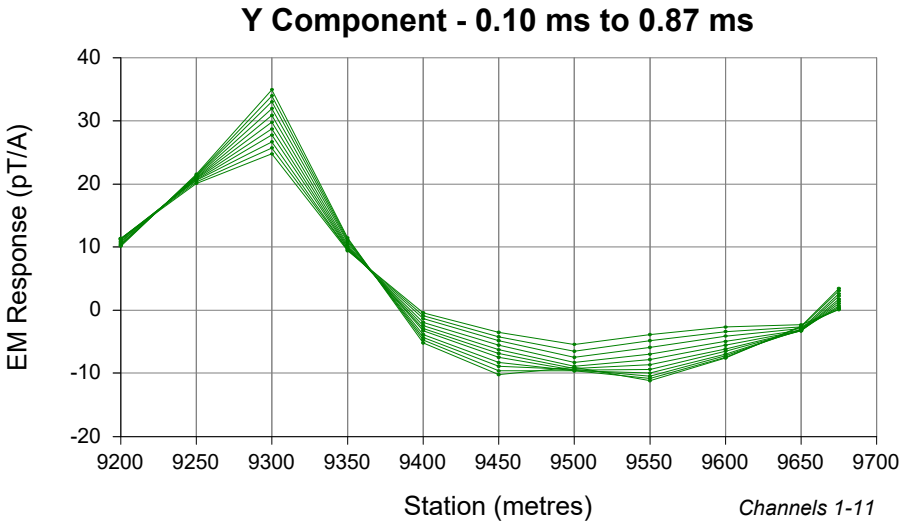
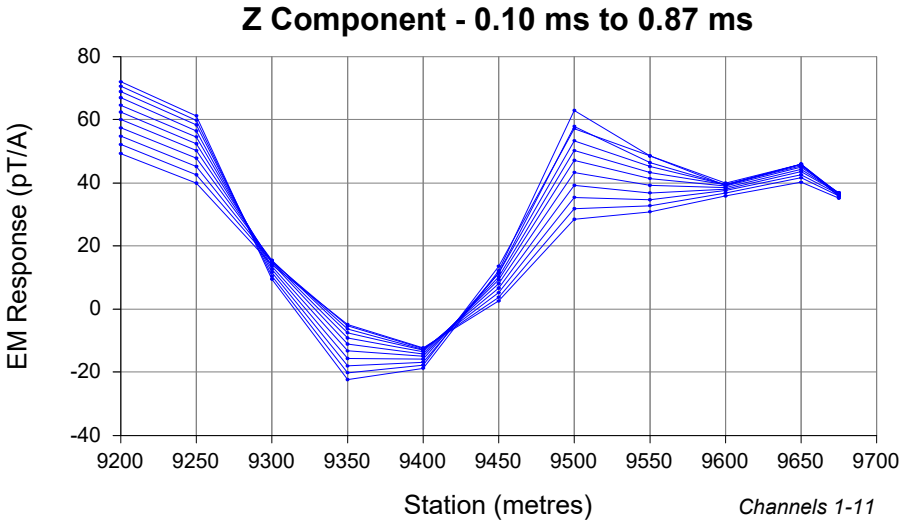








SURVEY PARAMETERS

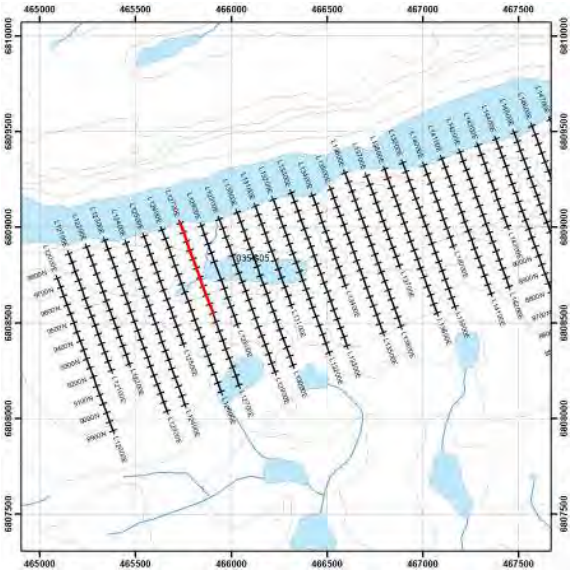
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

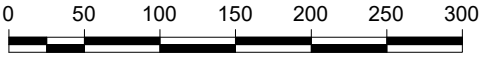
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12700E

Surveyed By: Joseph Cook
Survey Date: August 2021

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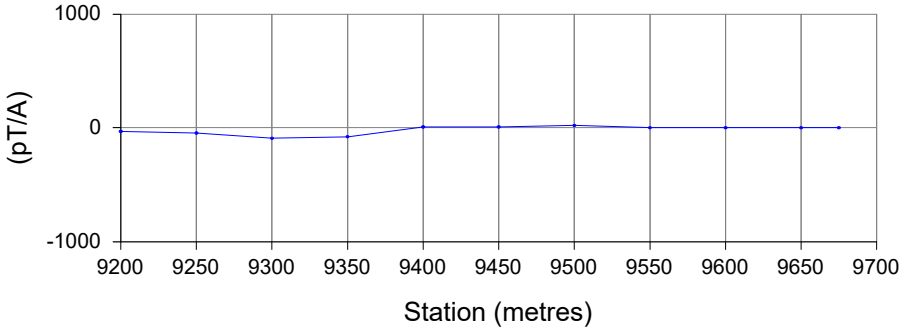
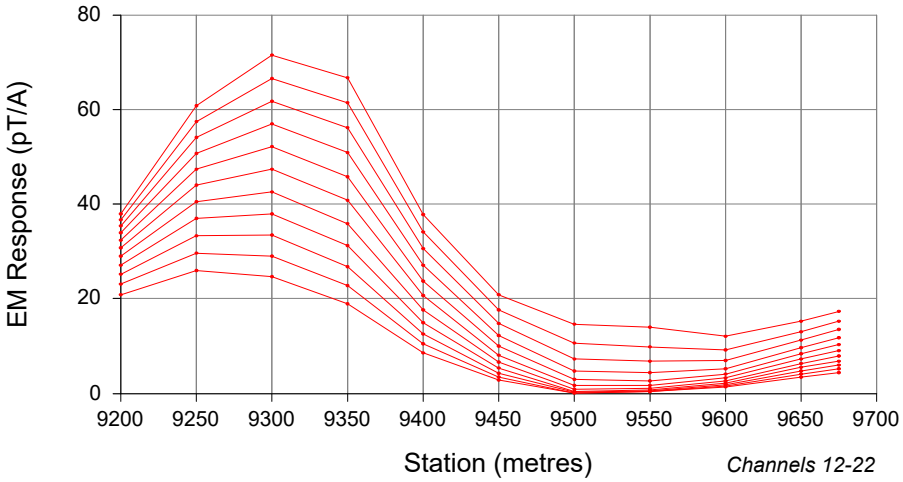
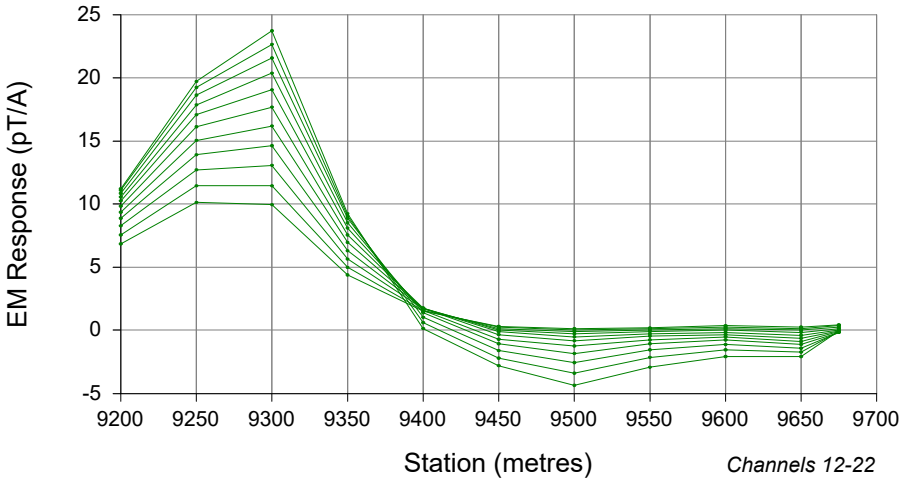
Y Primary Field



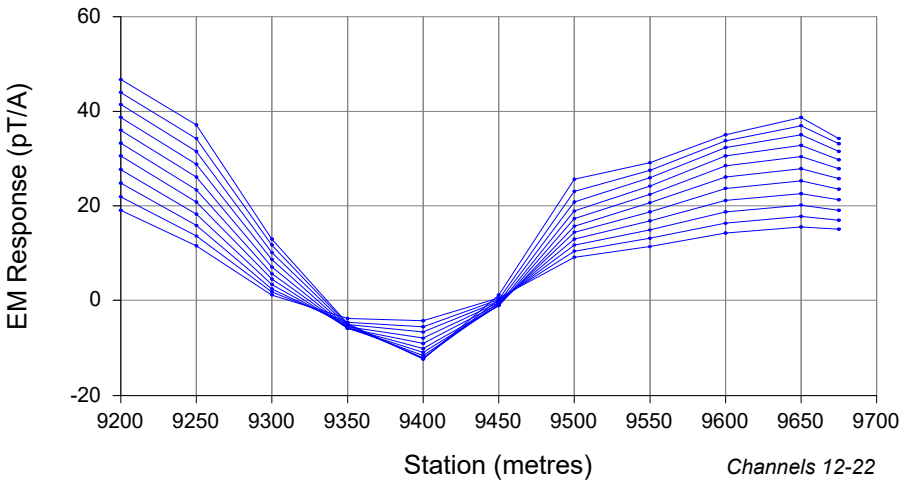
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

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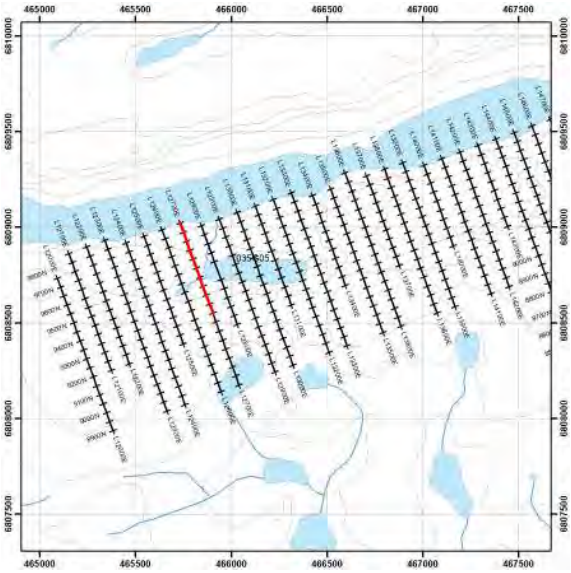

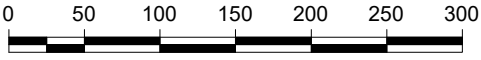

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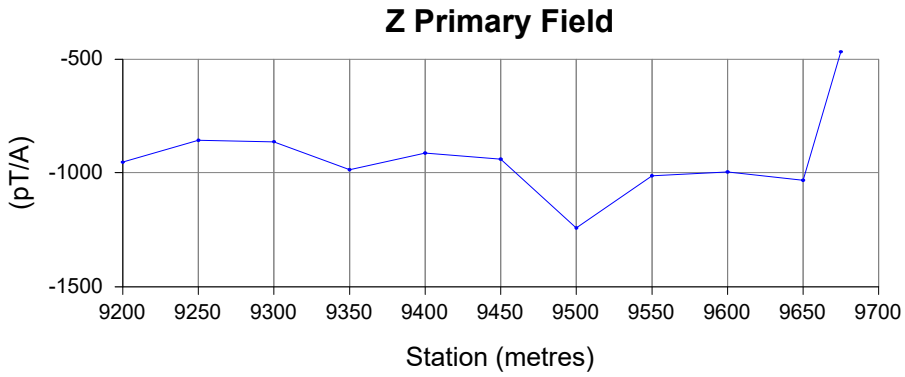
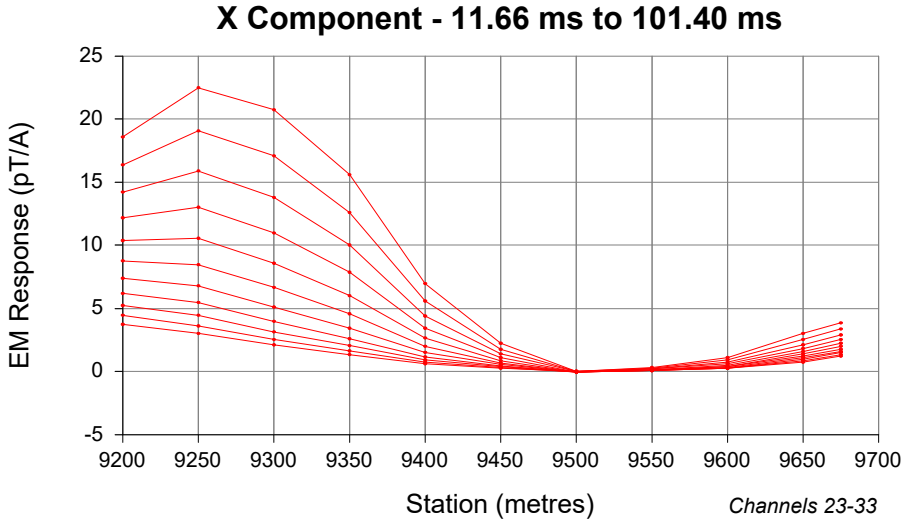
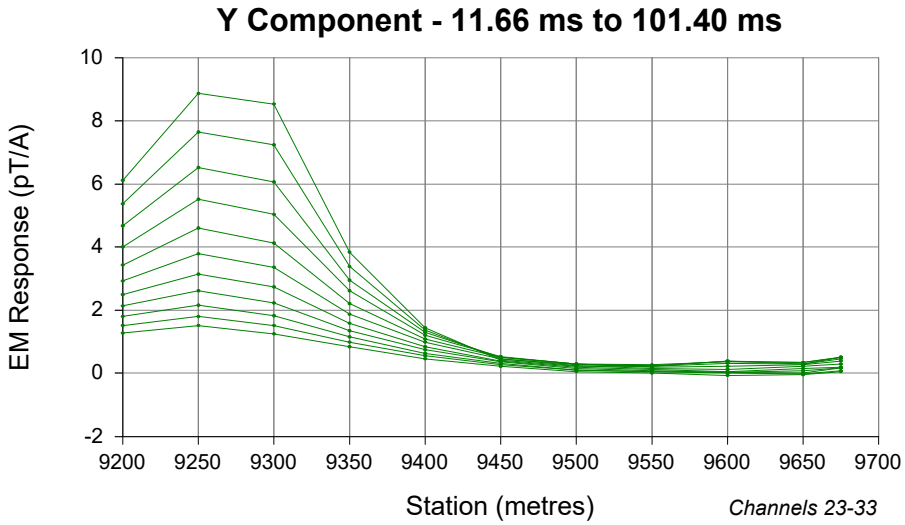
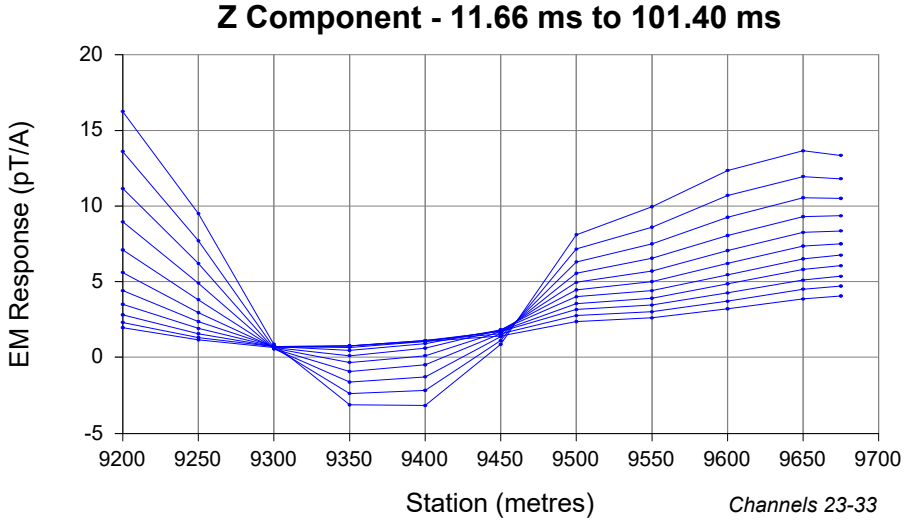








SURVEY PARAMETERS

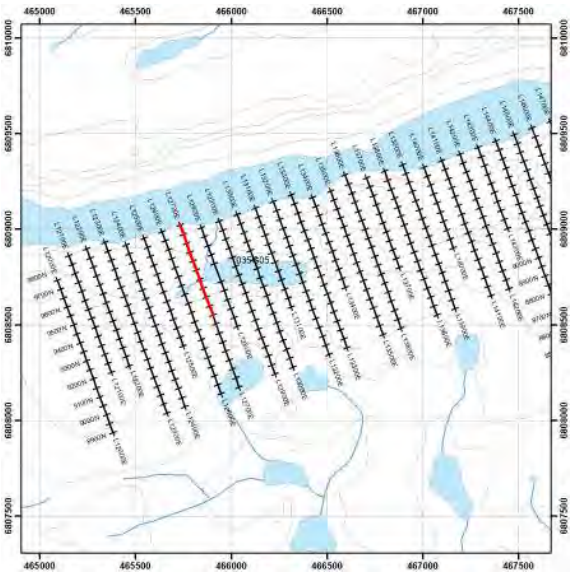
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

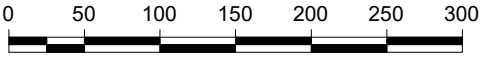
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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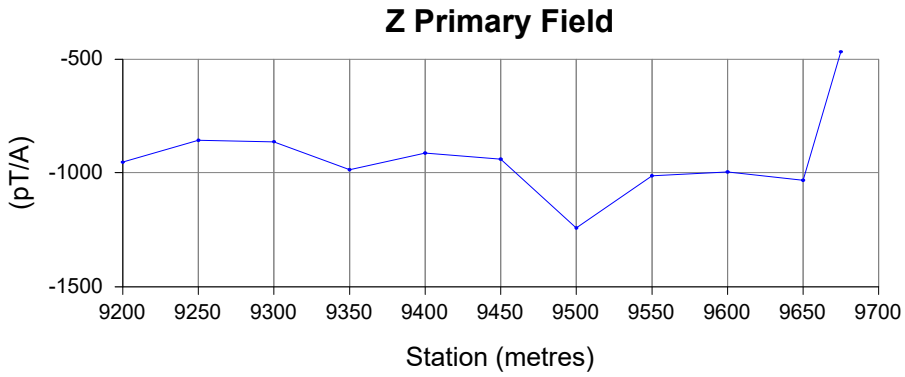
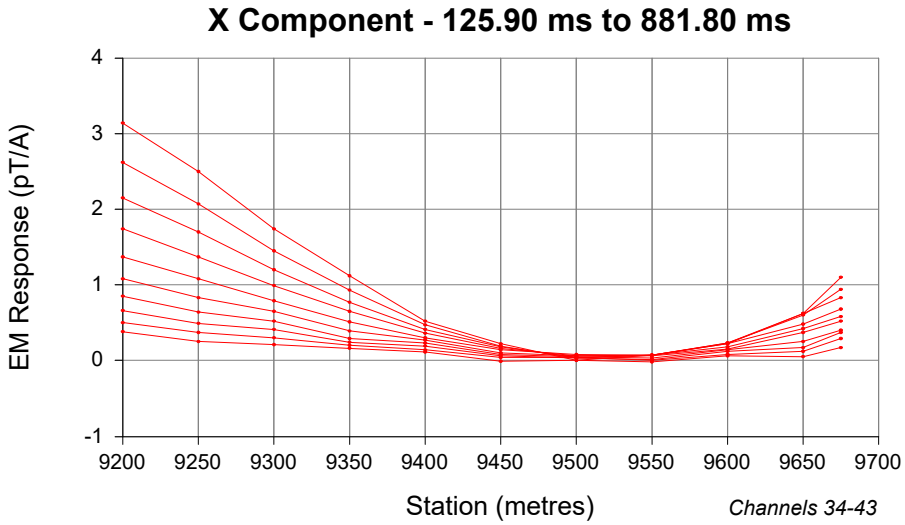
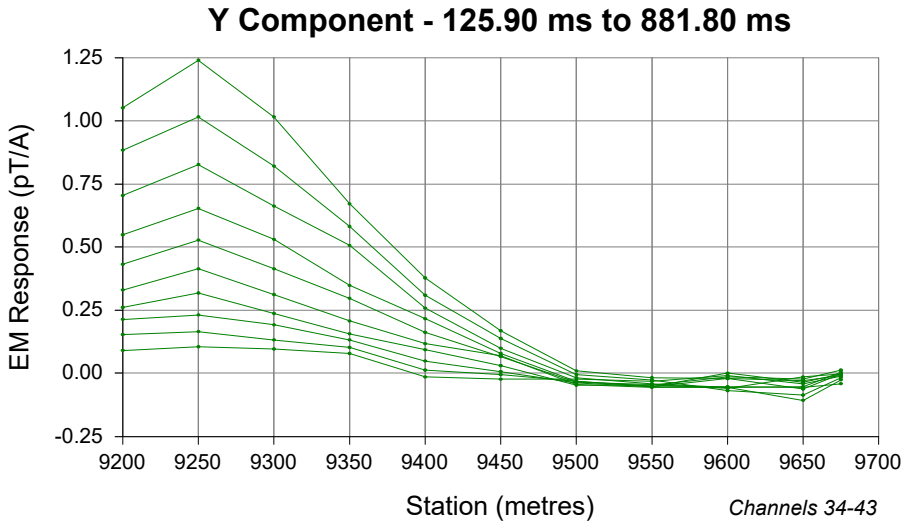
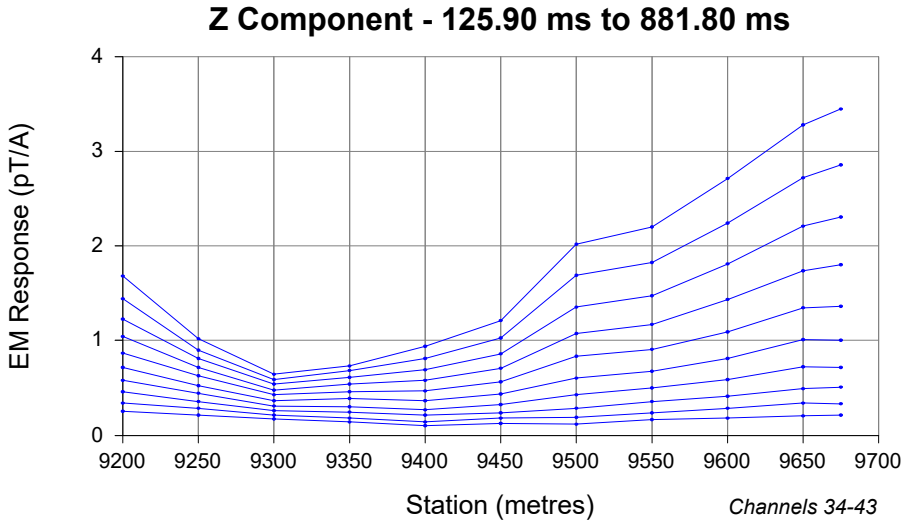








SURVEY PARAMETERS

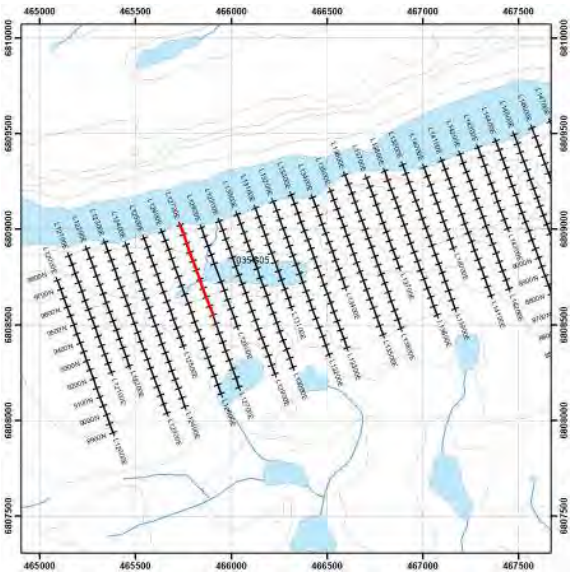
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

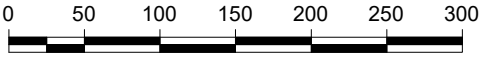
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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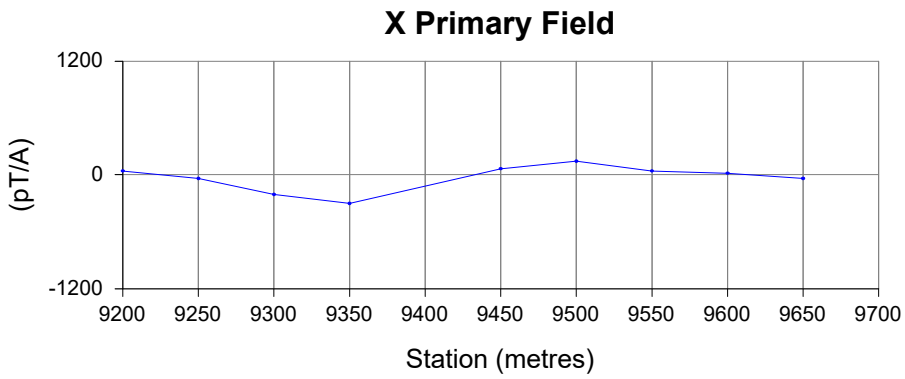
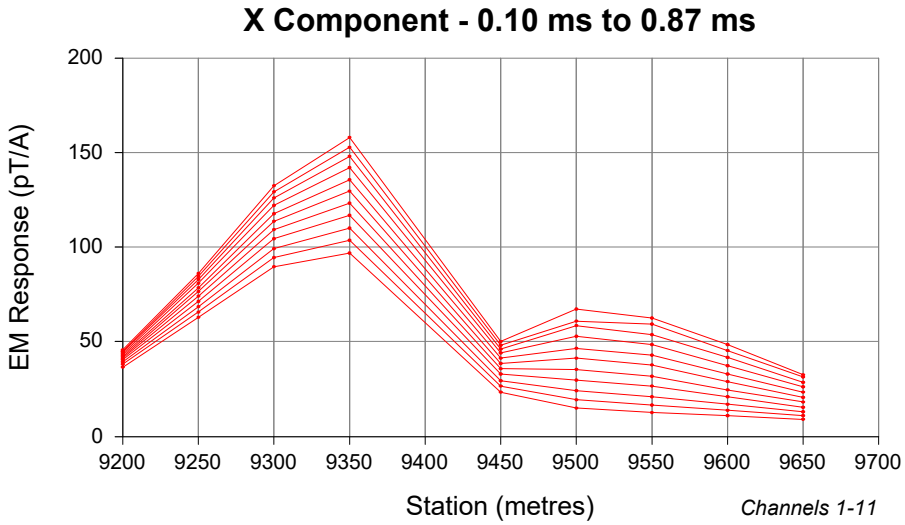
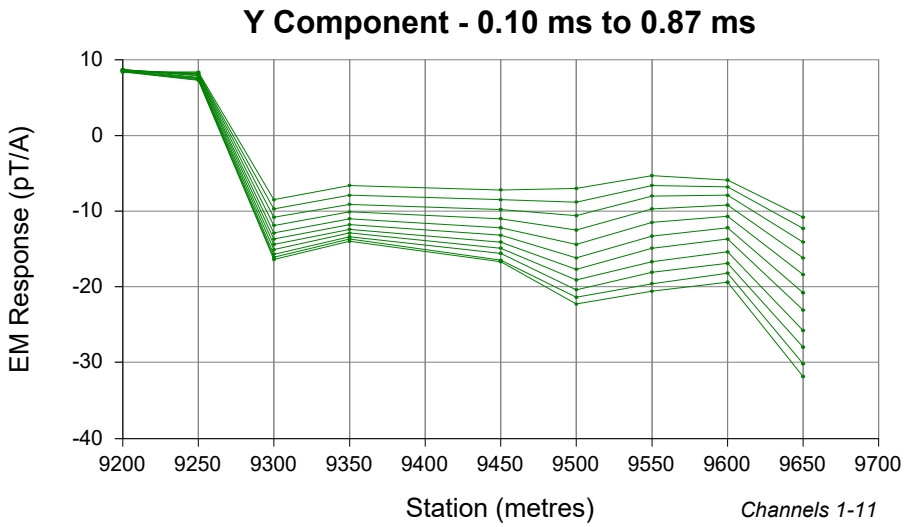
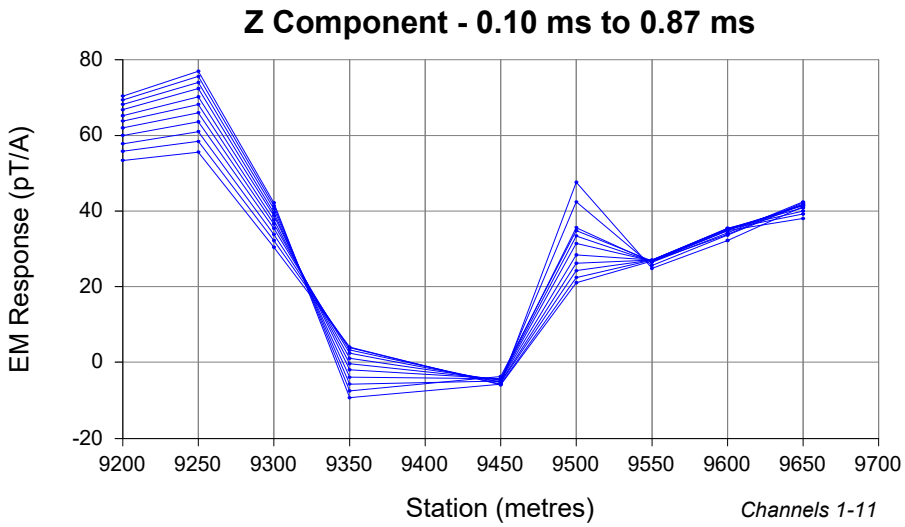








SURVEY PARAMETERS

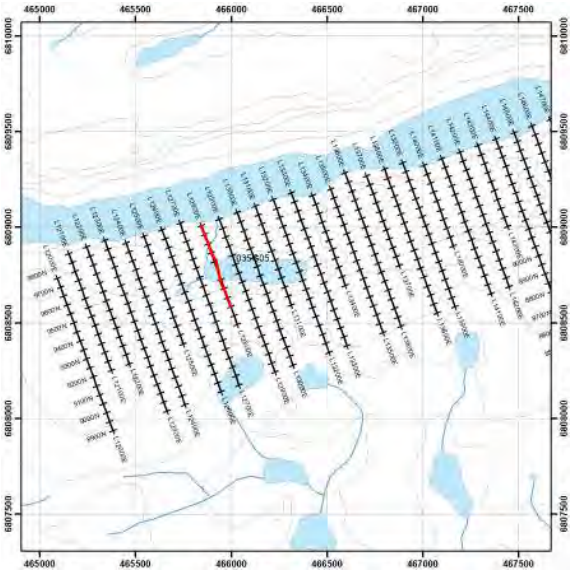
Configuration	: Slingram
Station Spacing	: 0-100 m
Rx-Tx Offset	: 200 m

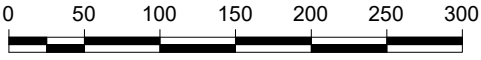
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12800E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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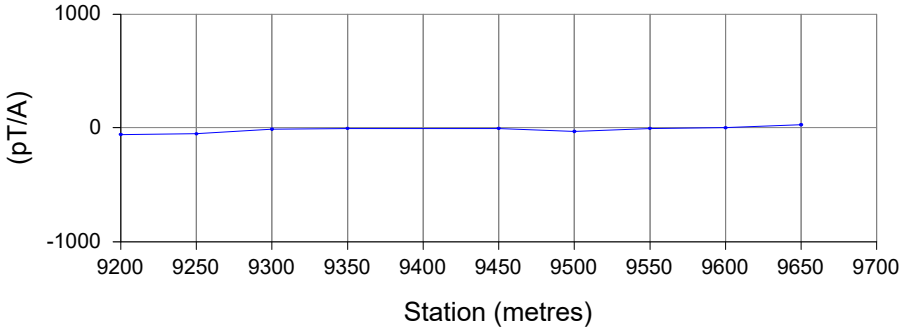
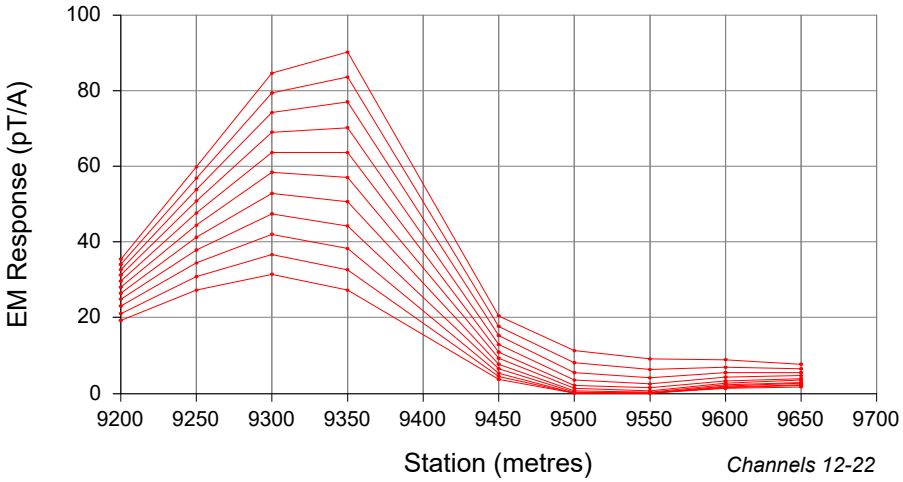
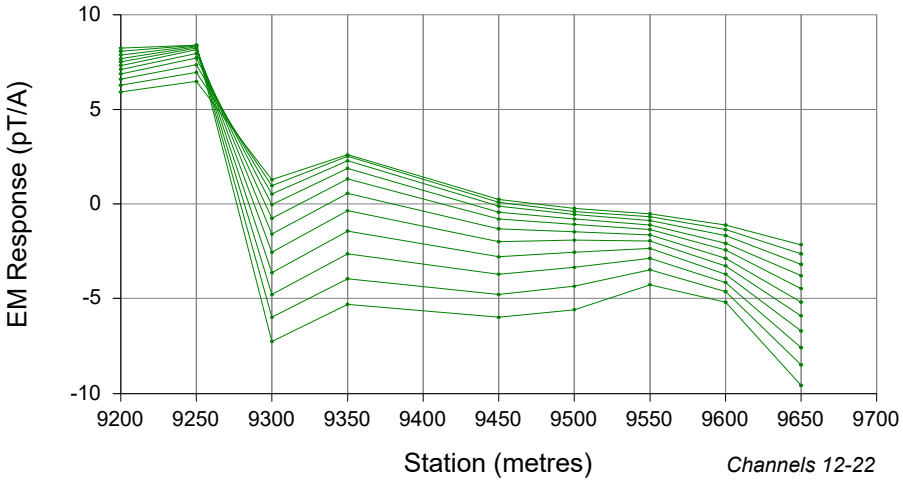
Y Primary Field



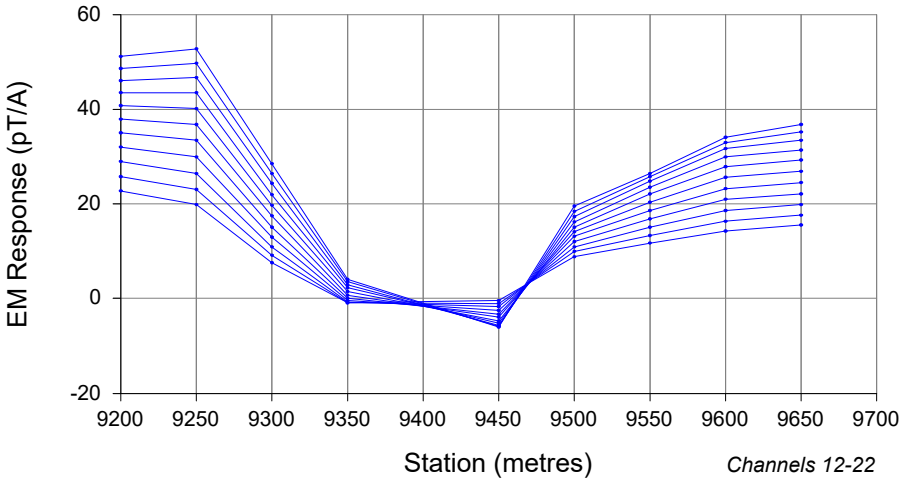
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

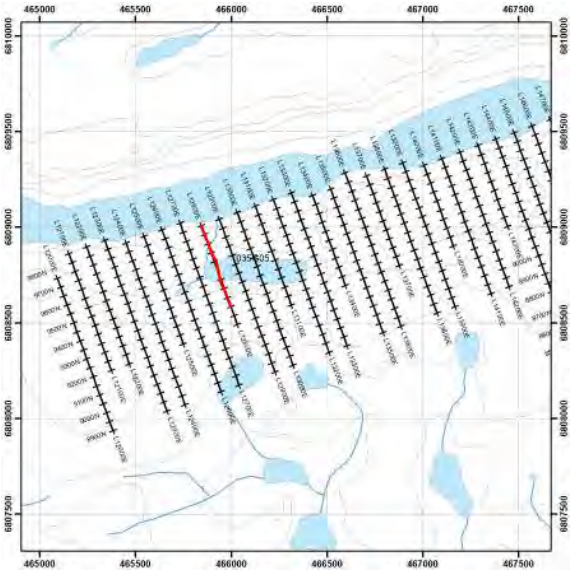
Configuration	: Slingram
Station Spacing	: 0-100 m
Rx-Tx Offset	: 200 m

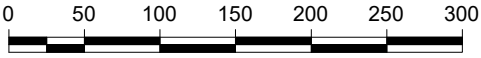
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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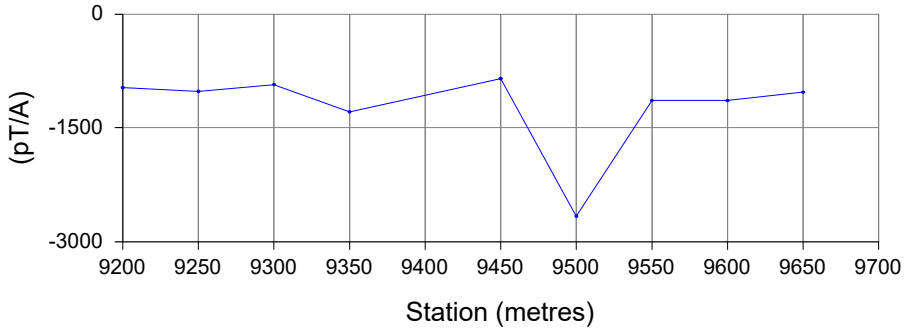
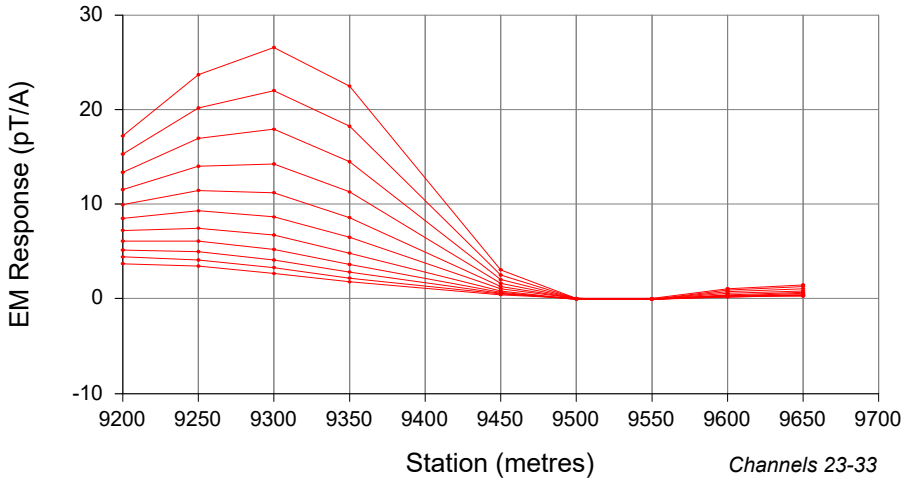
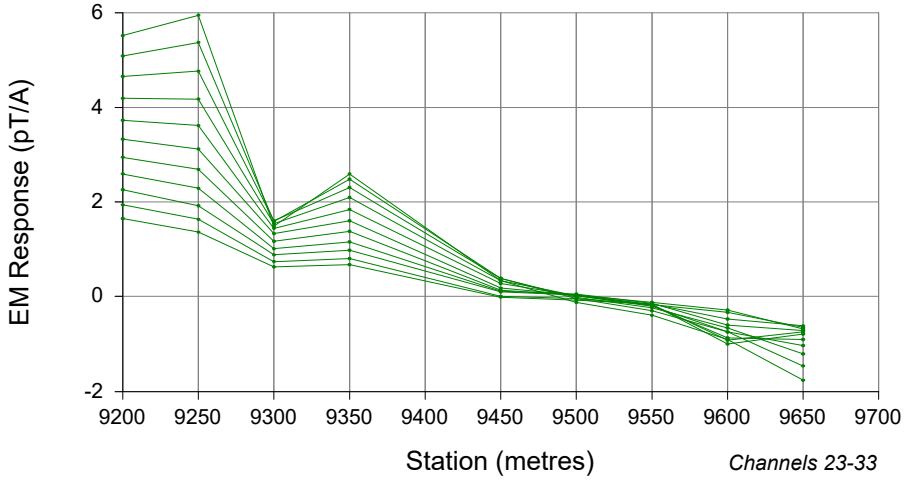
Z Primary Field



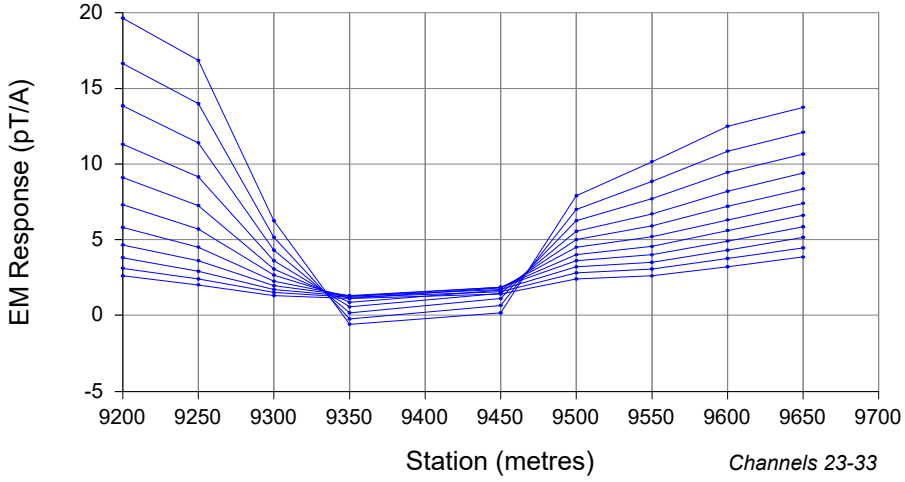
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

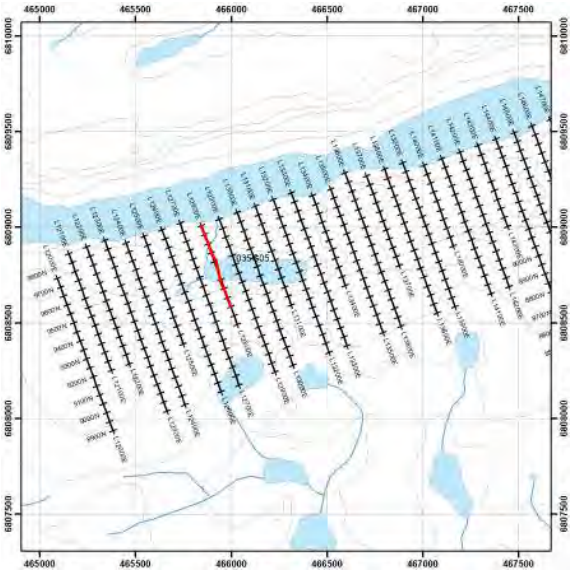
Configuration	: Slingram
Station Spacing	: 0-100 m
Rx-Tx Offset	: 200 m

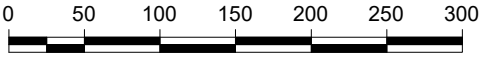
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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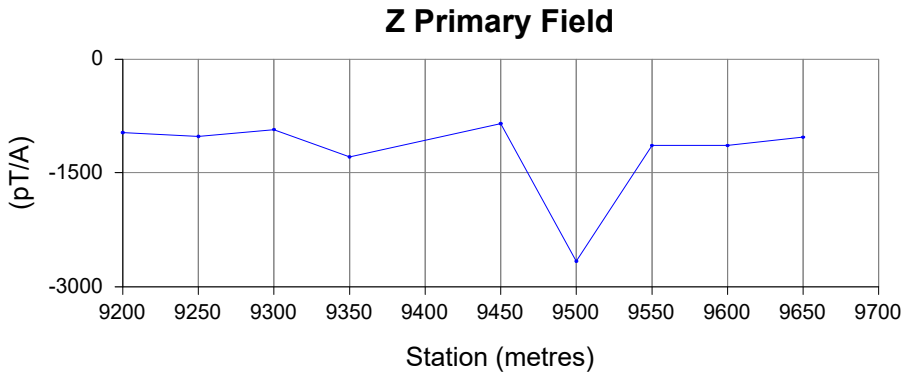
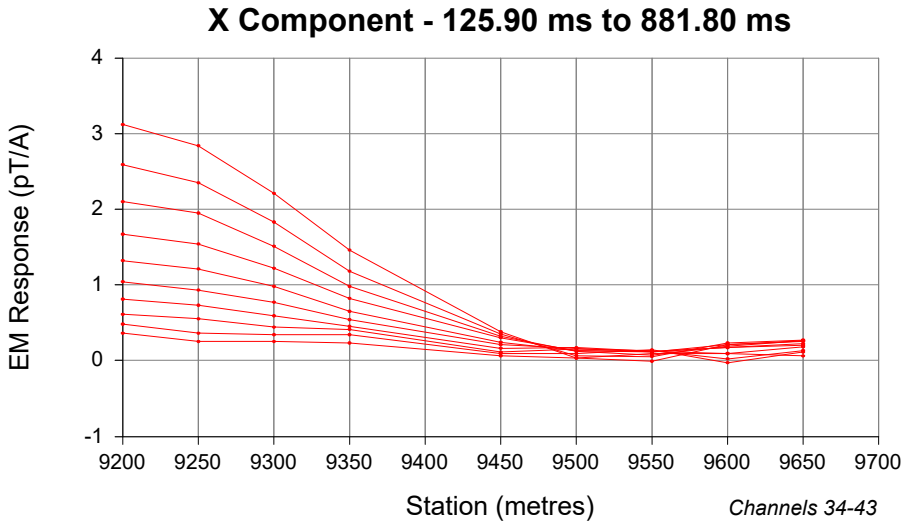
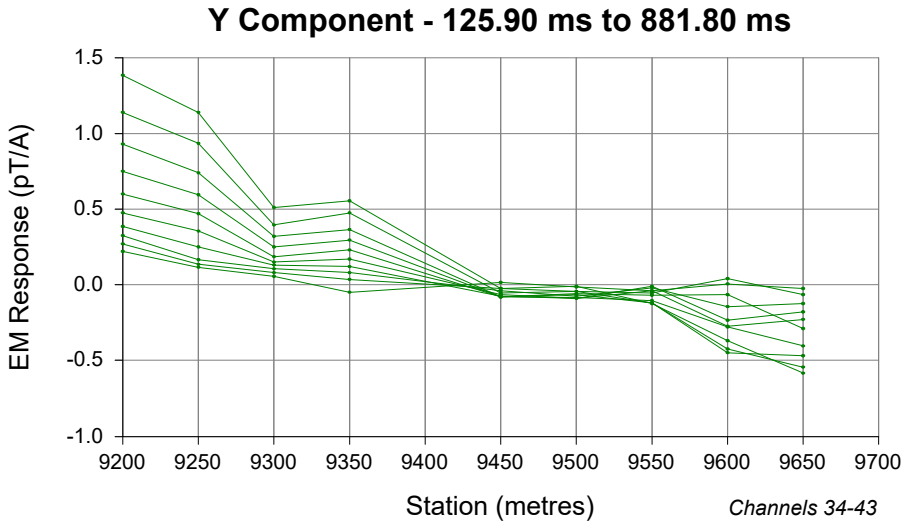
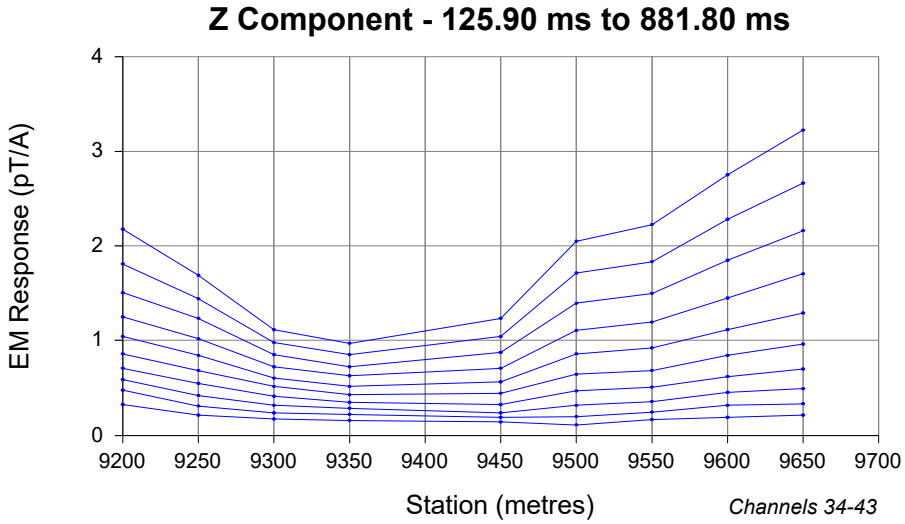








SURVEY PARAMETERS

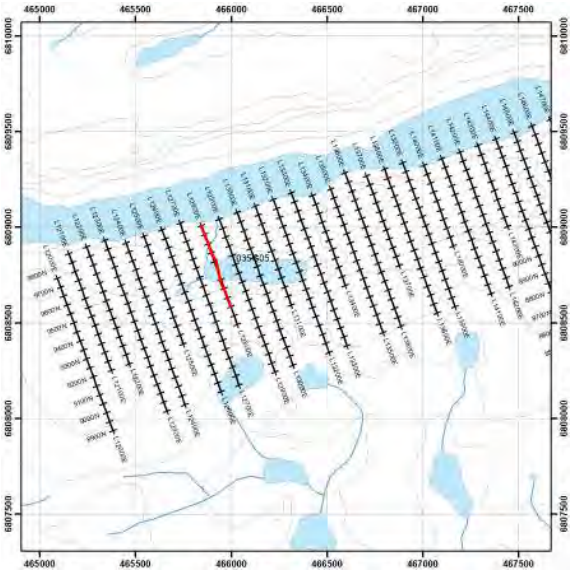
Configuration	: Slingram
Station Spacing	: 0-100 m
Rx-Tx Offset	: 200 m

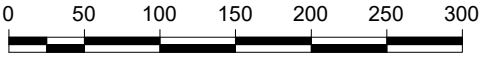
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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Slingram Survey

Line 12800E

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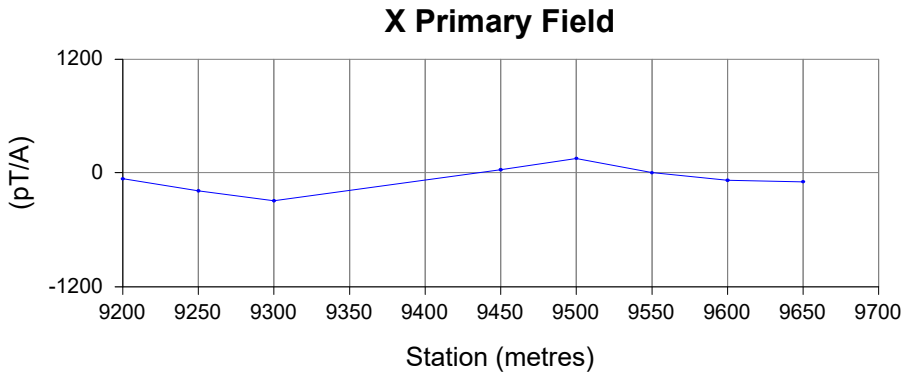
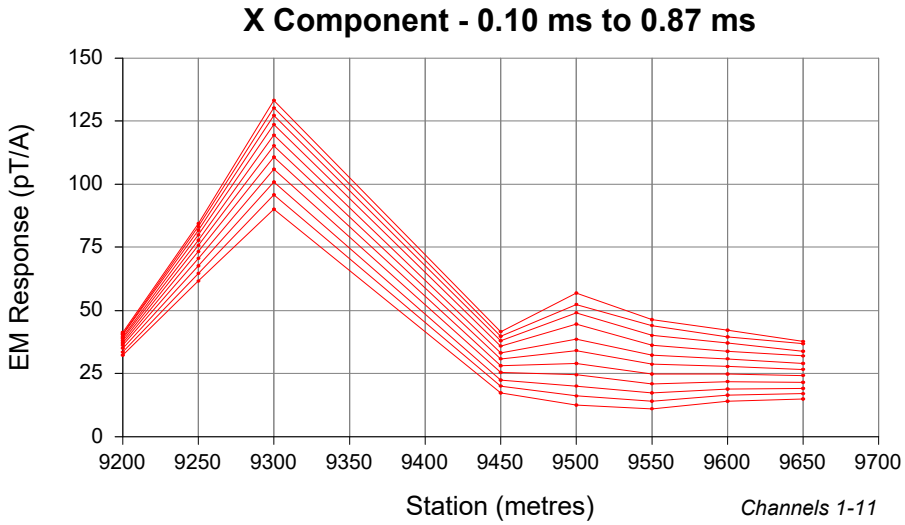
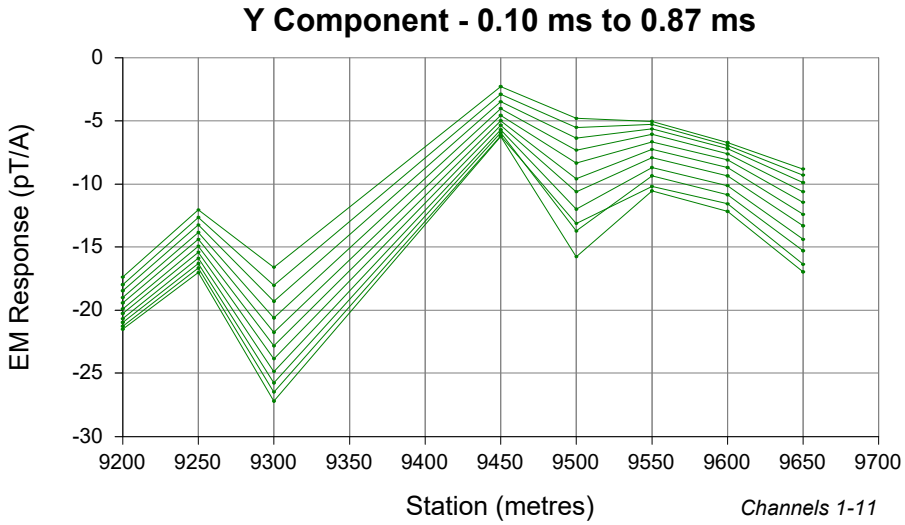
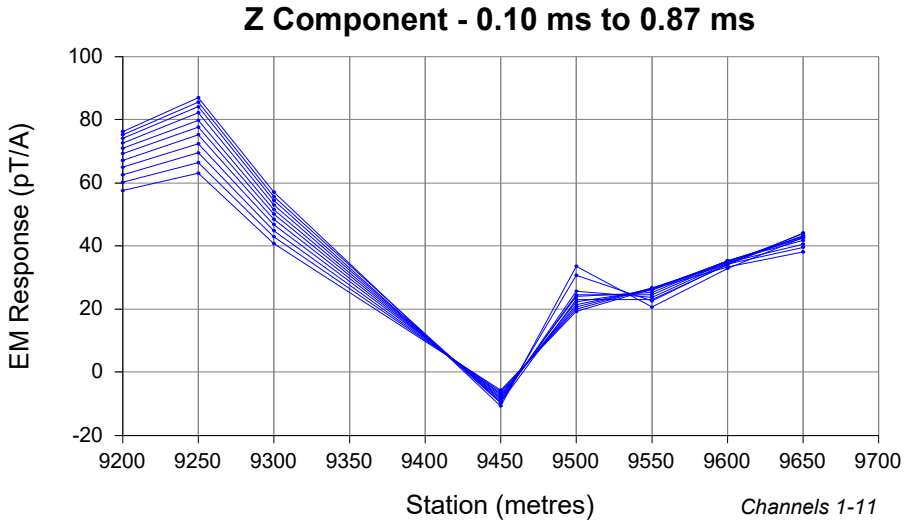








SURVEY PARAMETERS

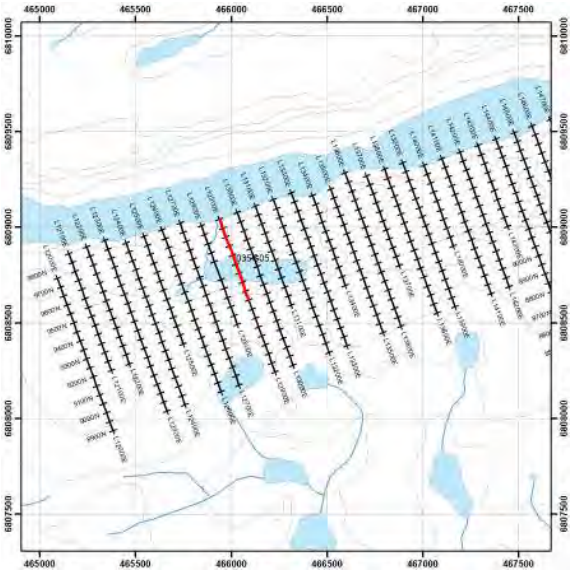
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

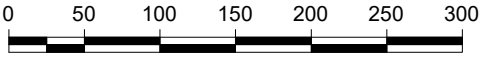
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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Slingram Survey

Line 12900E

Surveyed By: Cole Smytaniuk
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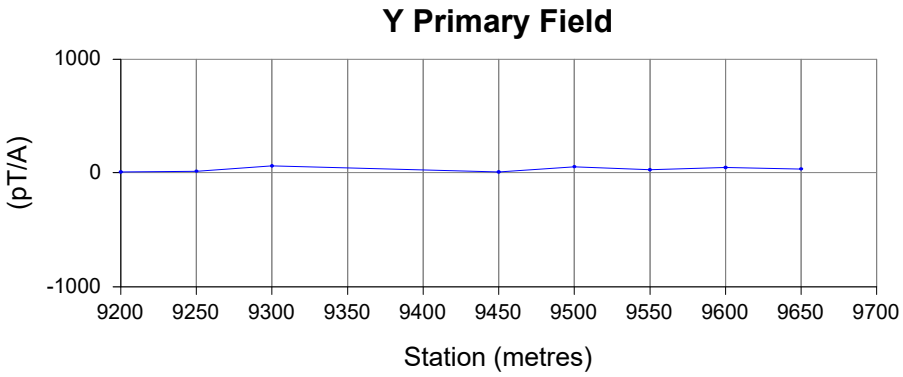
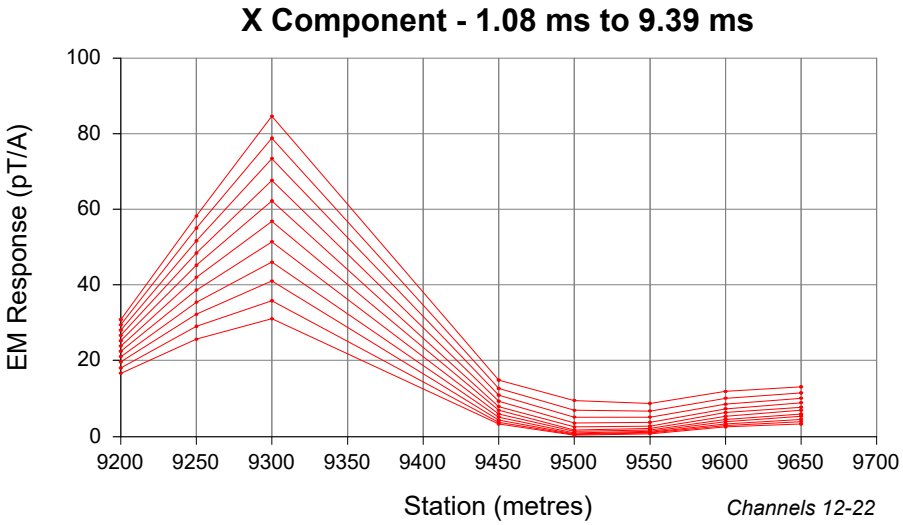
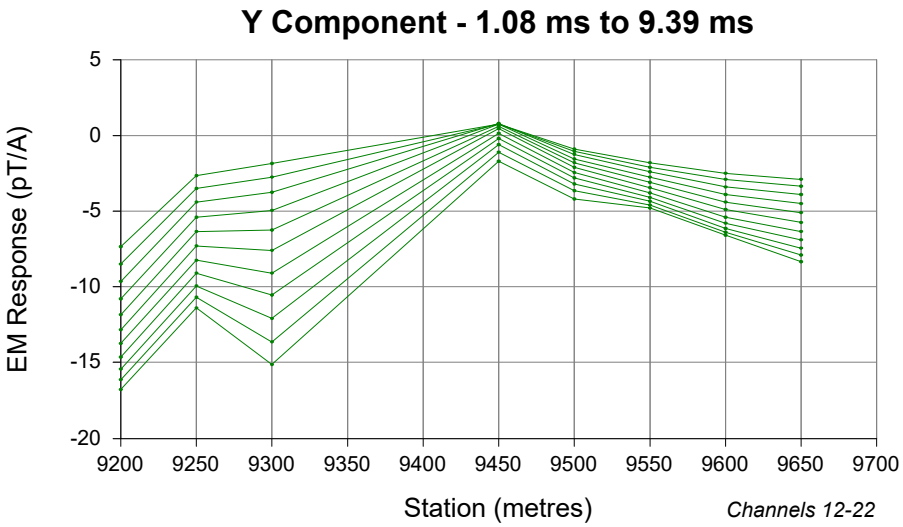
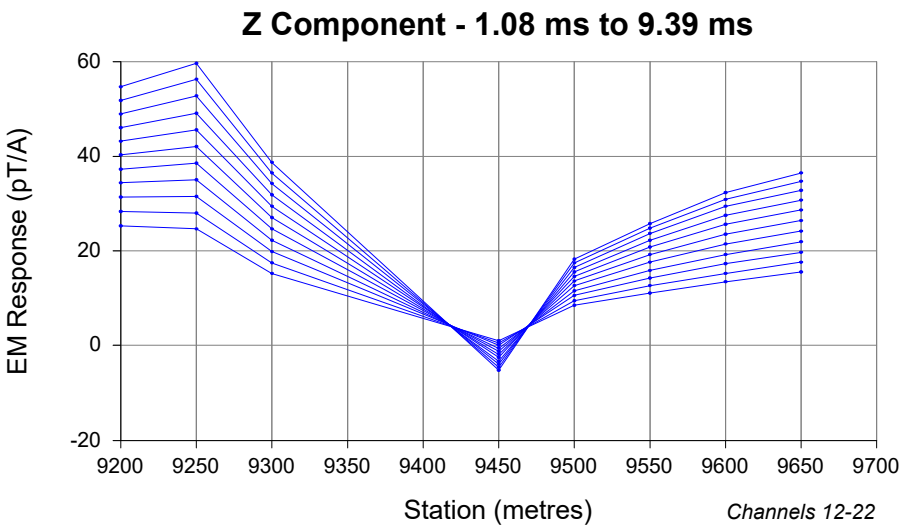








SURVEY PARAMETERS

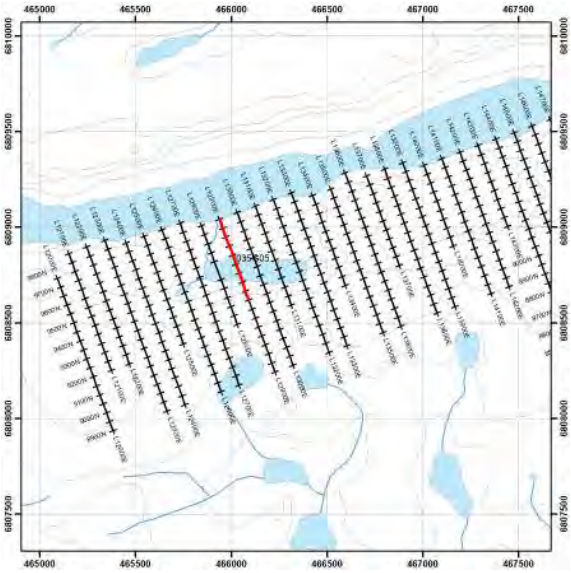
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

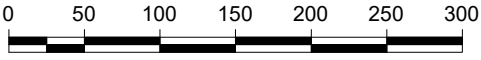
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





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Line 12900E

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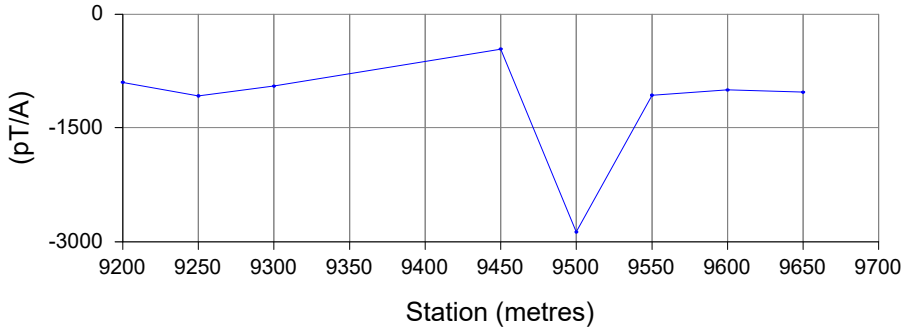
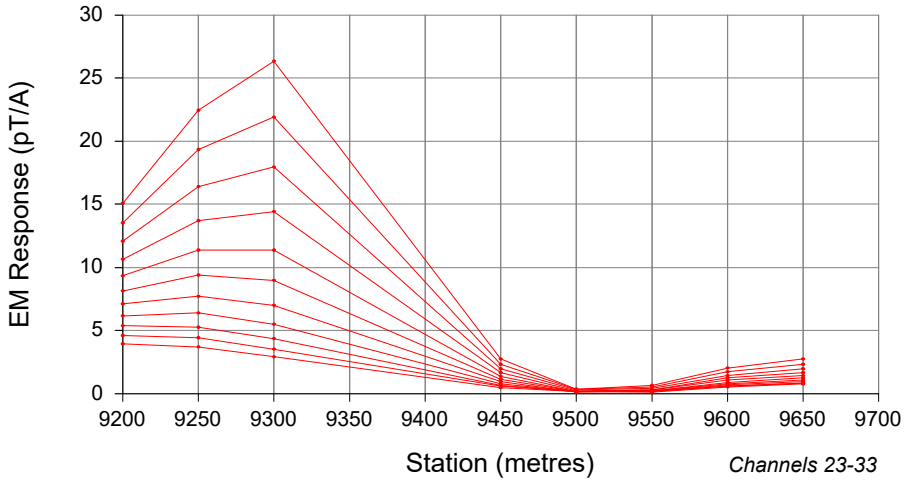
Z Primary Field



X Component - 11.66 ms to 101.40 ms



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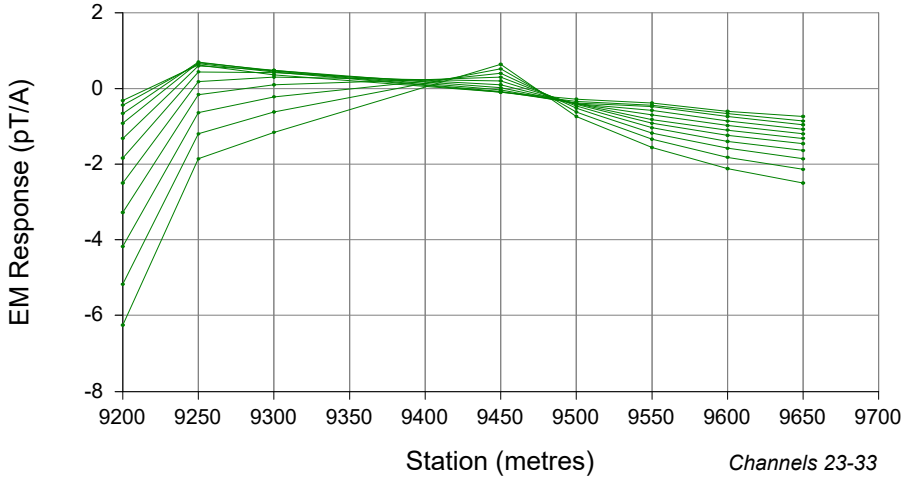
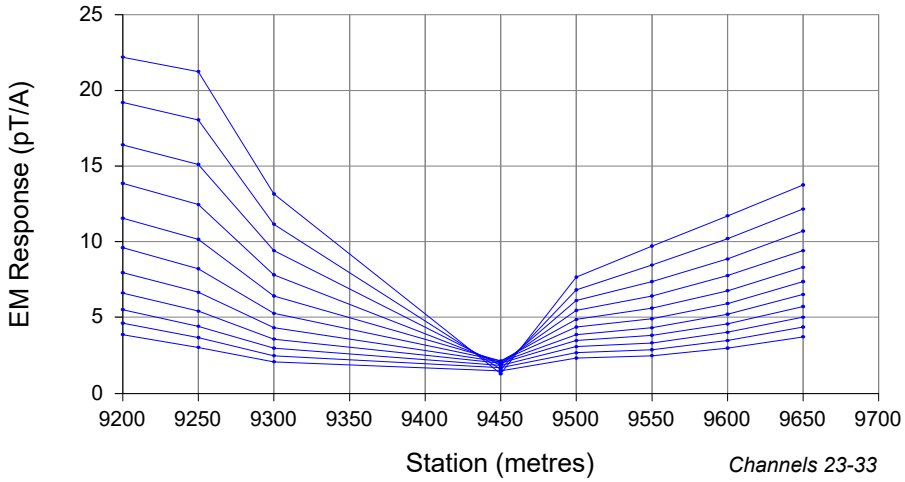


Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
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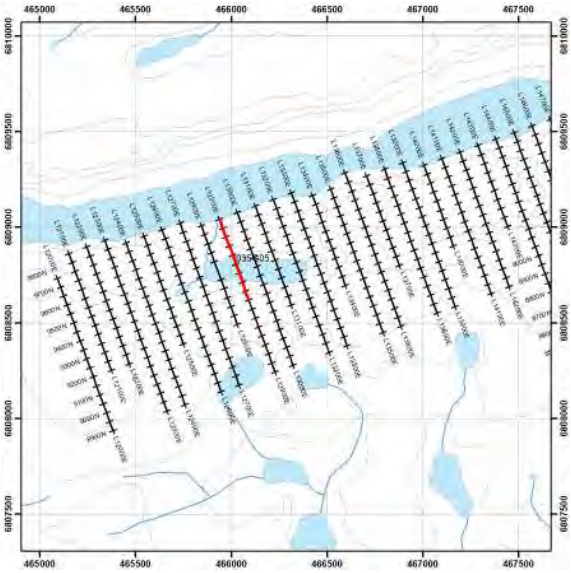

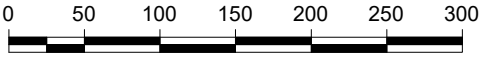

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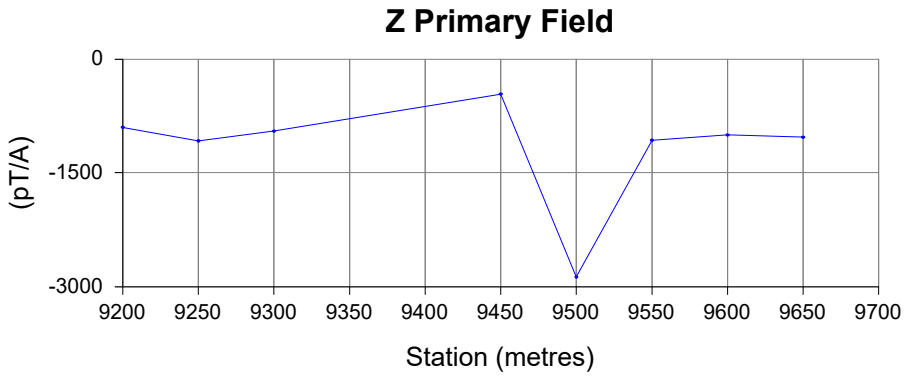
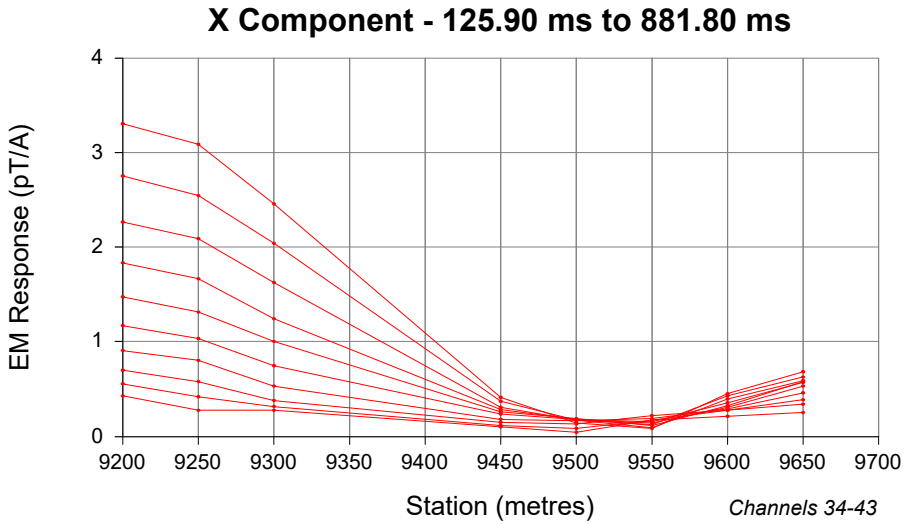
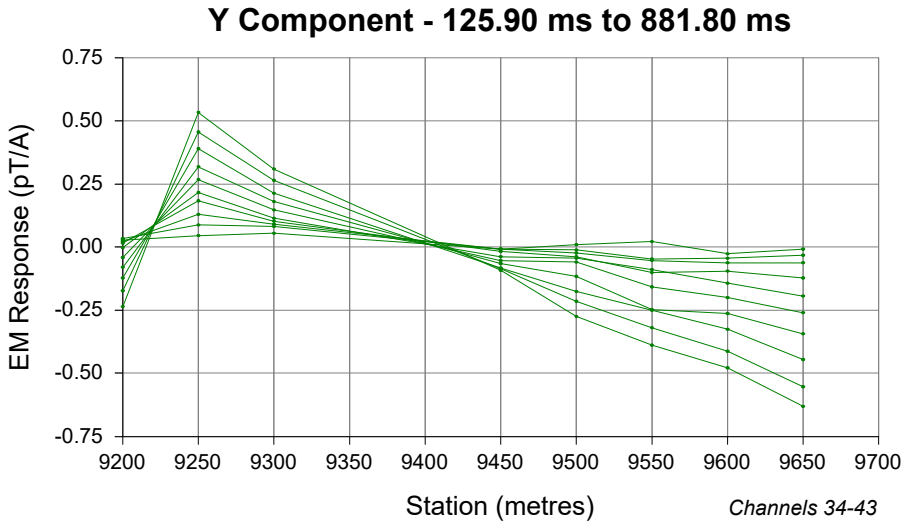
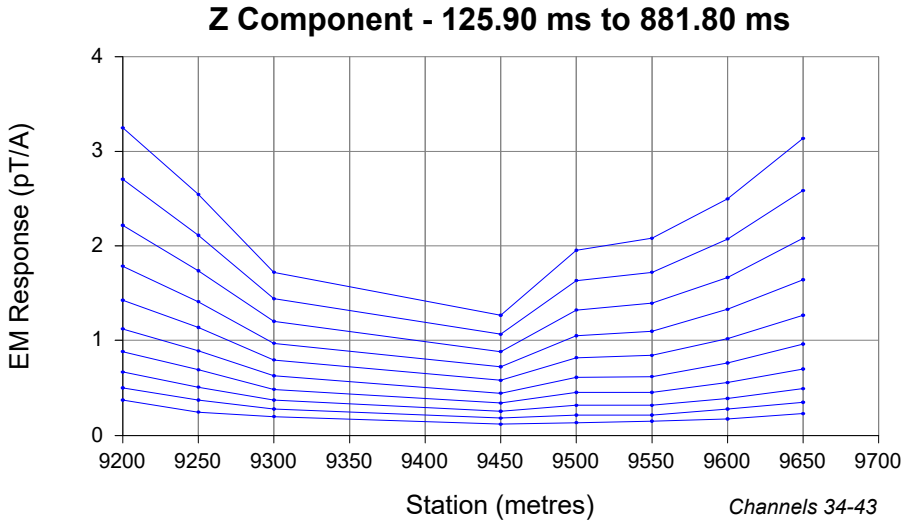








SURVEY PARAMETERS

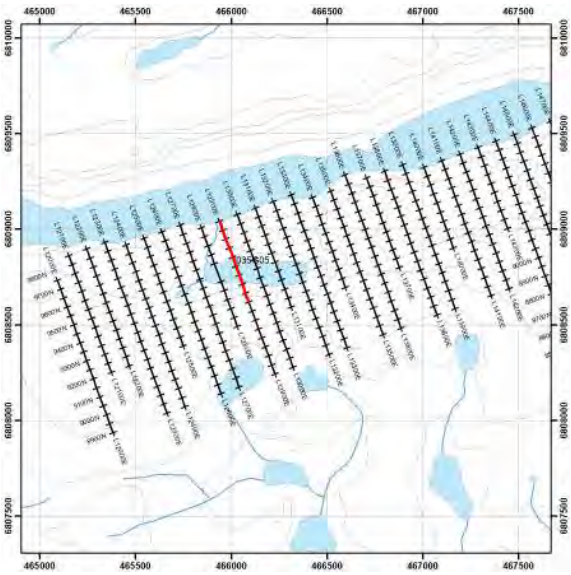
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

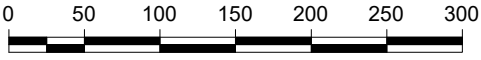
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 42.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 12900E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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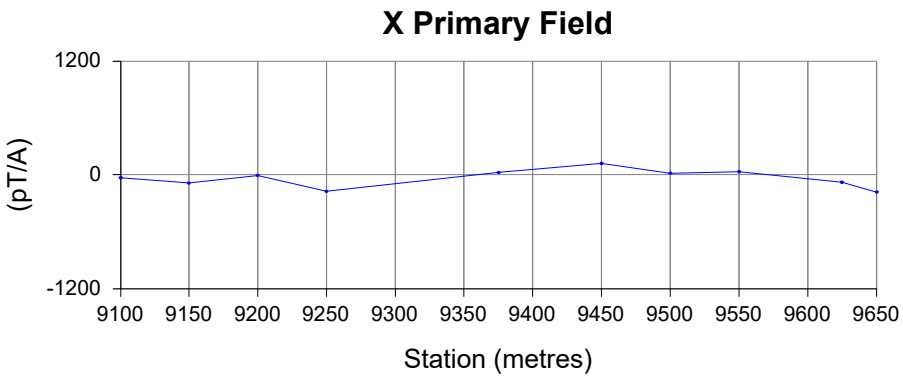
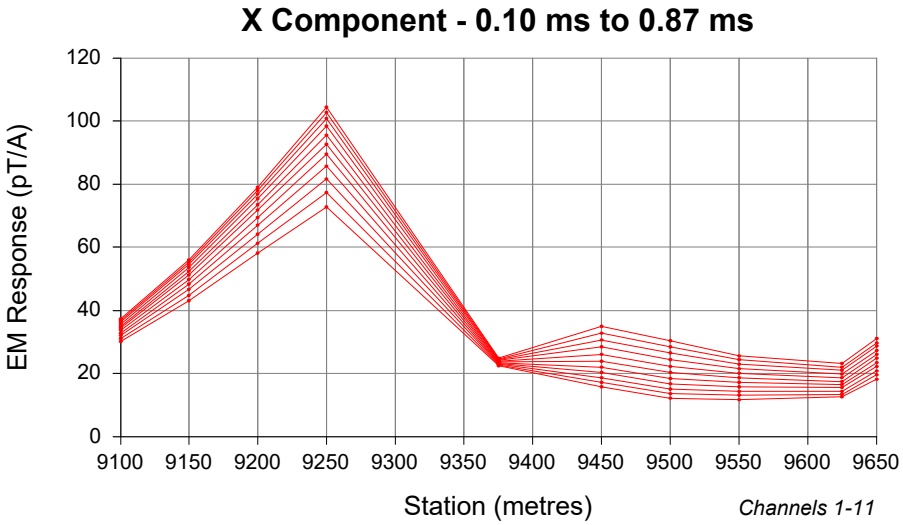
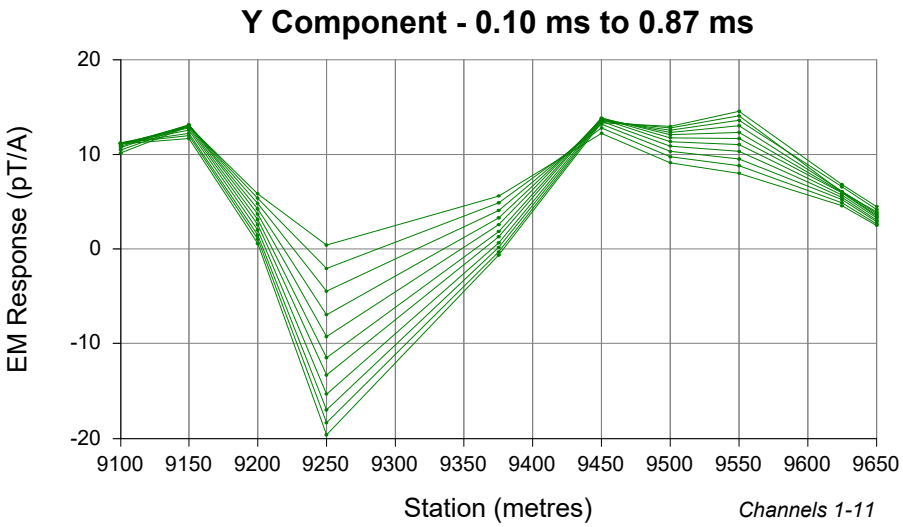
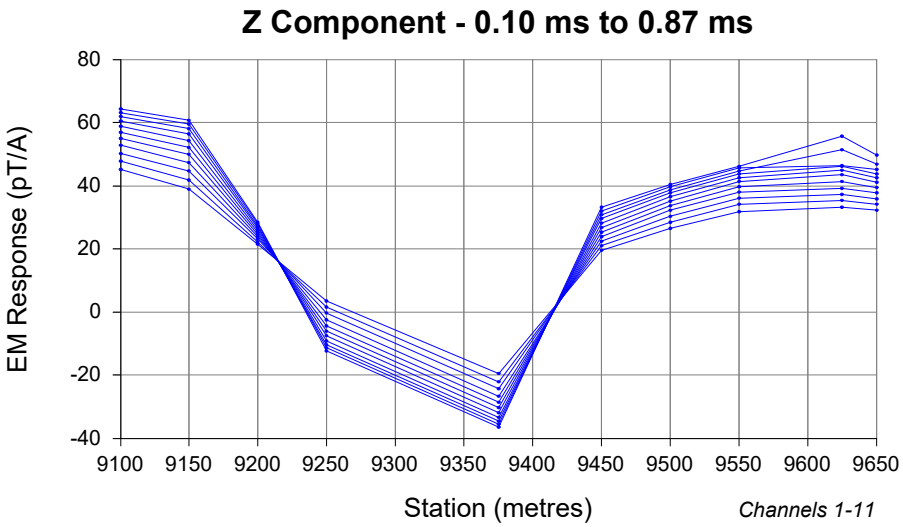








SURVEY PARAMETERS

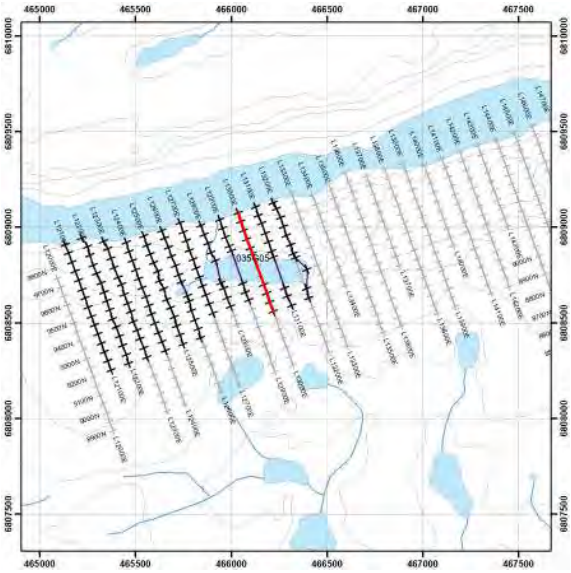
Configuration	: Slingram
Station Spacing	: 0-125 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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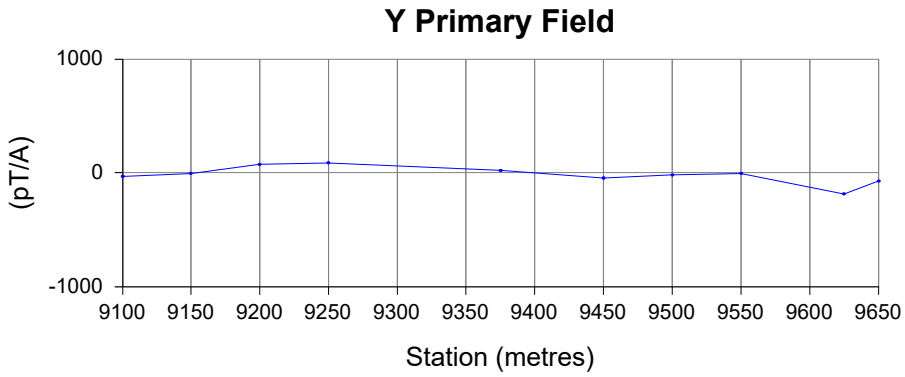
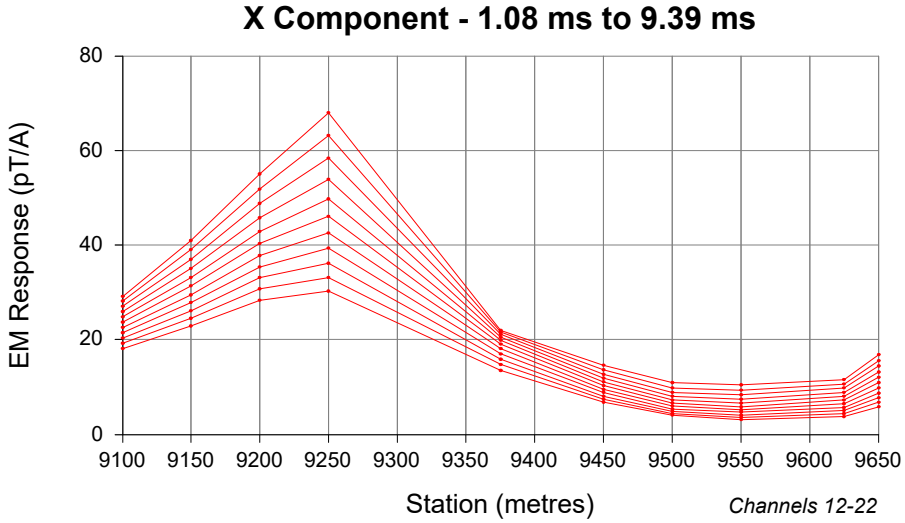
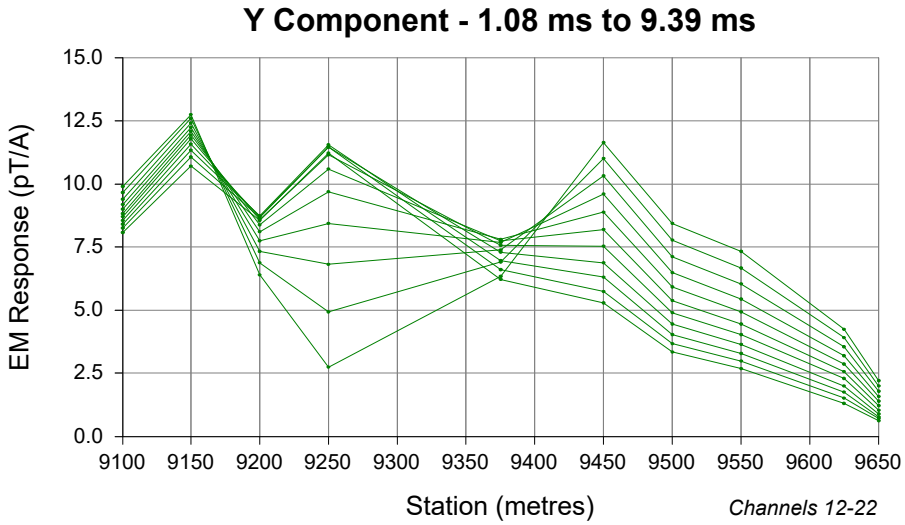
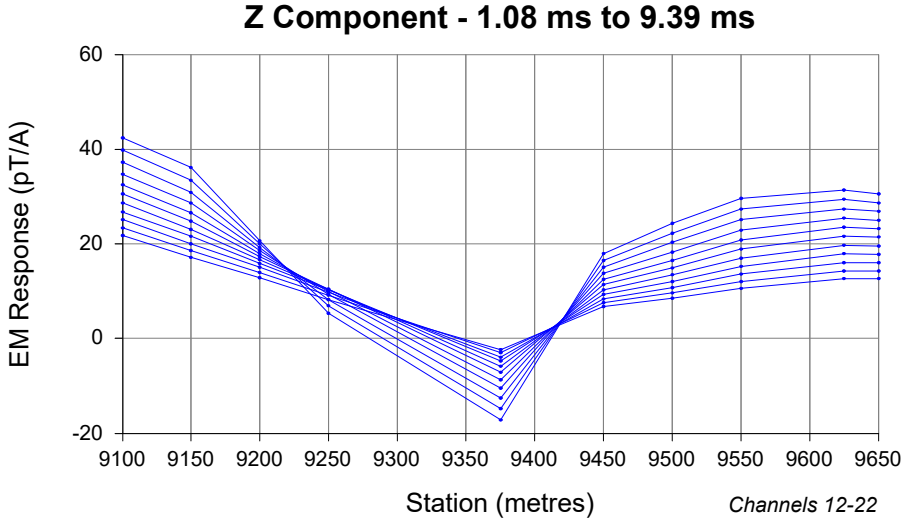








SURVEY PARAMETERS

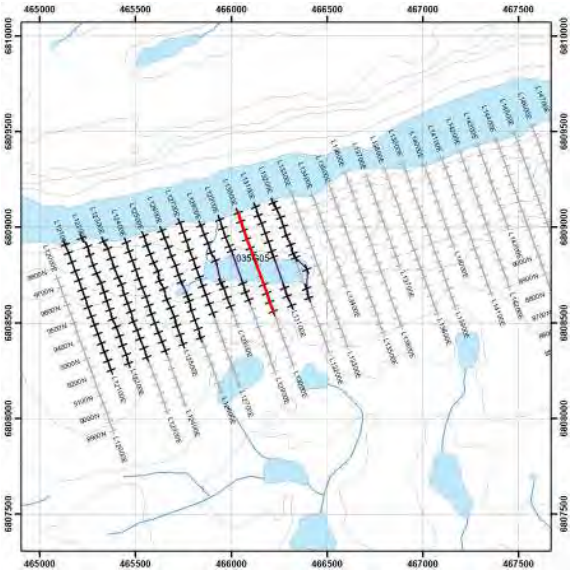
Configuration	: Slingram
Station Spacing	: 0-125 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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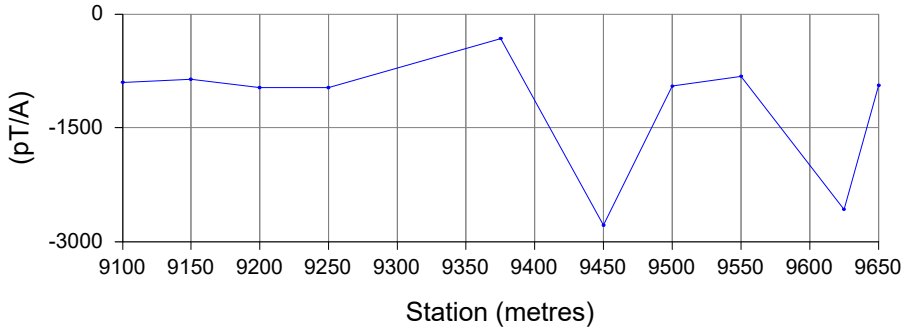
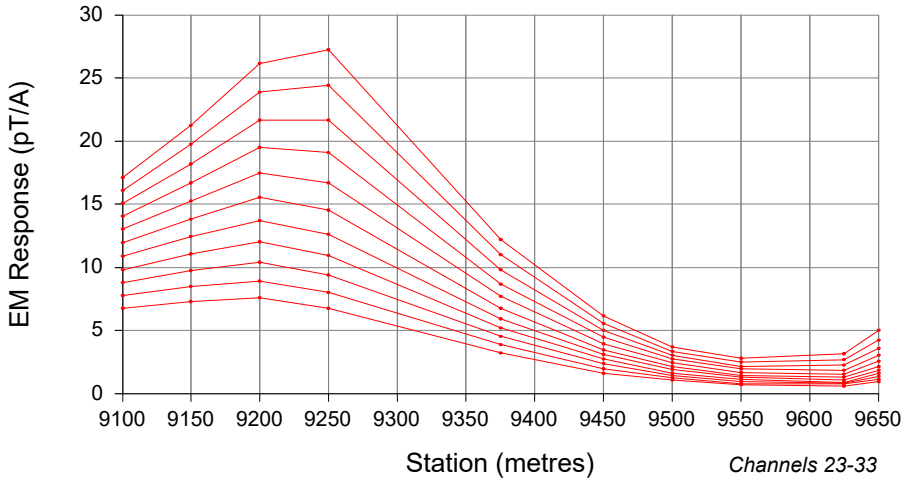
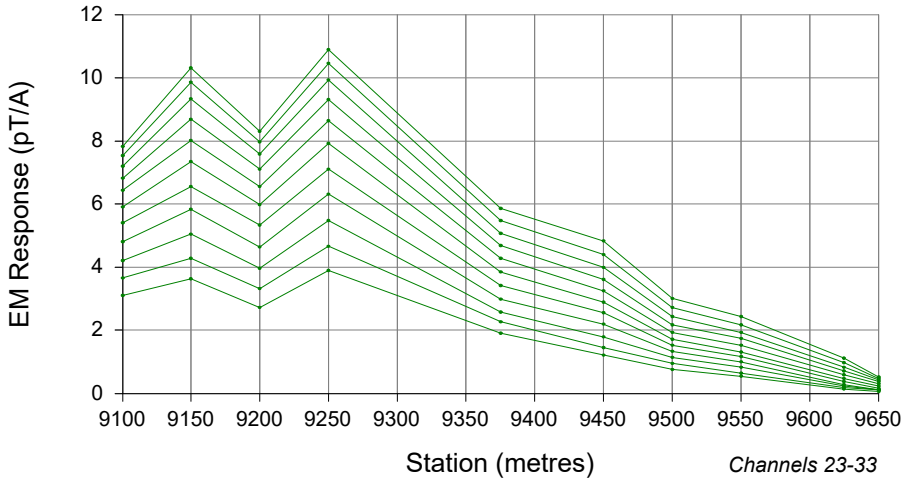
Z Primary Field



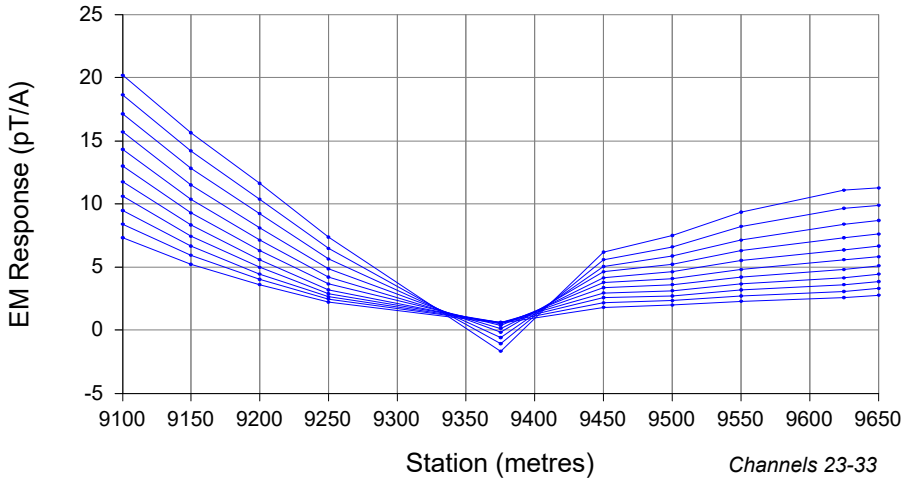
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

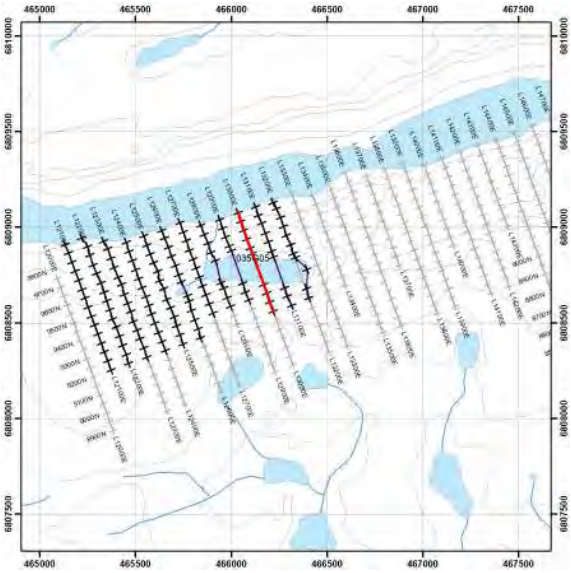
Configuration	: Slingram
Station Spacing	: 0-125 m
Rx-Tx Offset	: 200 m

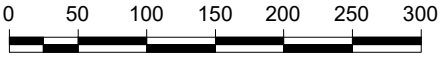
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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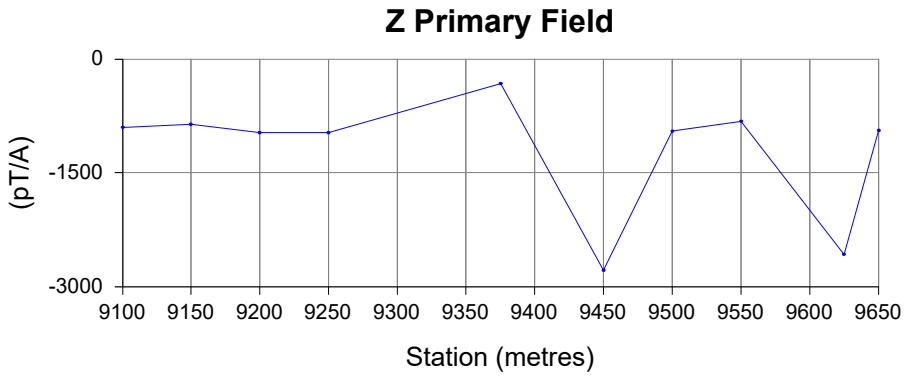
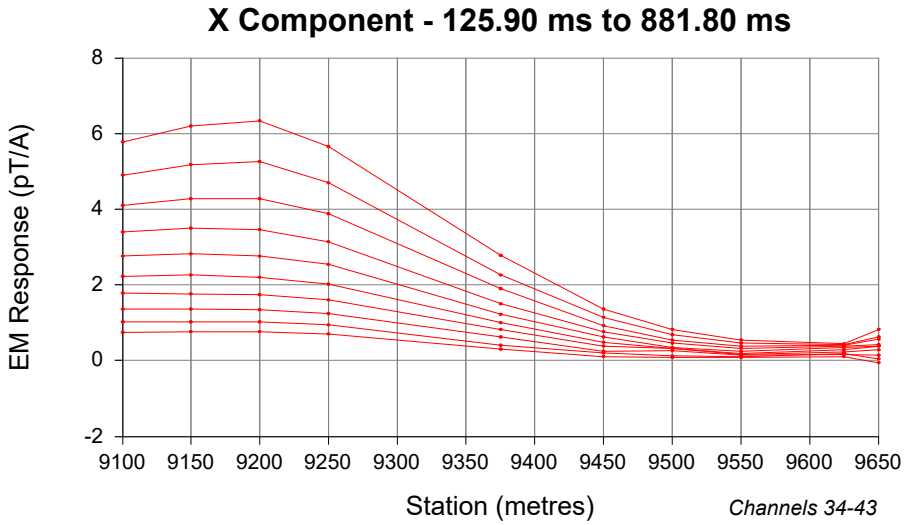
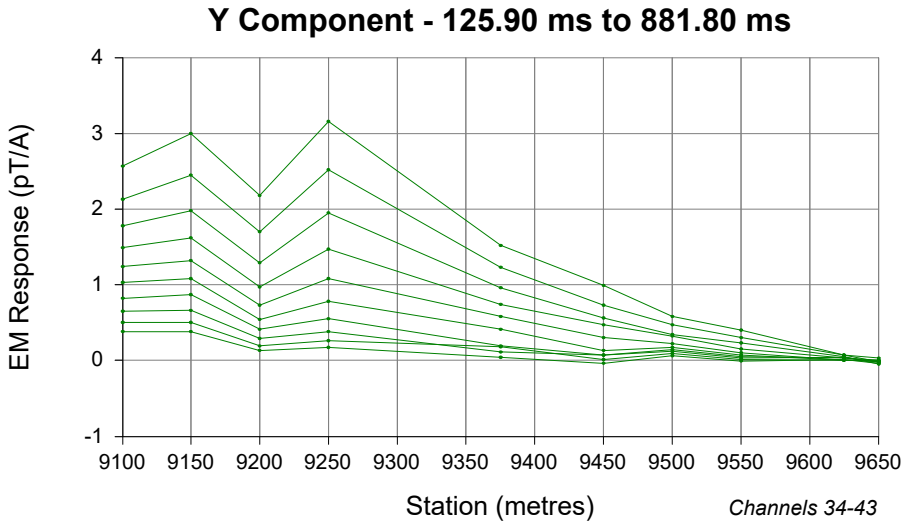
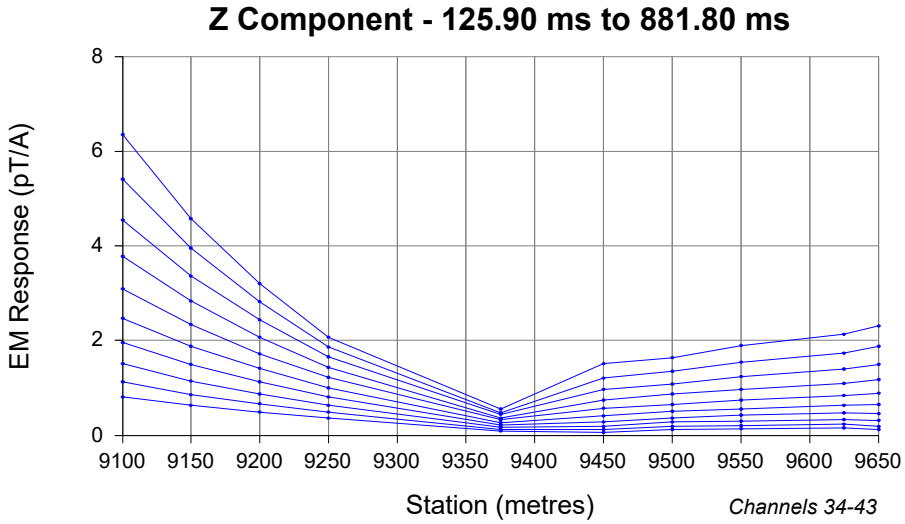








SURVEY PARAMETERS

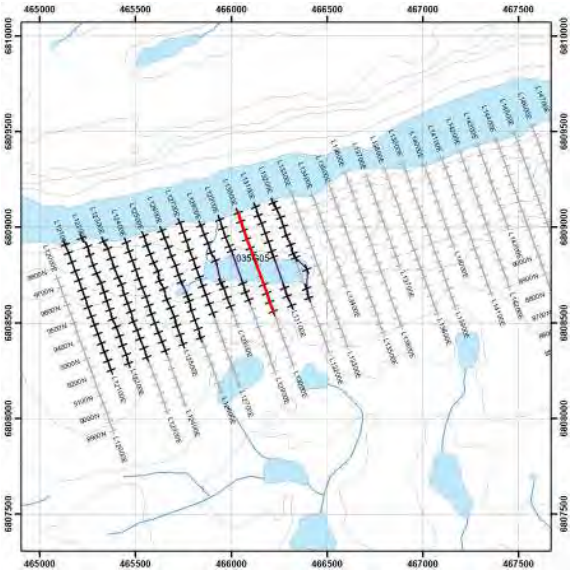
Configuration	: Slingram
Station Spacing	: 0-125 m
Rx-Tx Offset	: 200 m

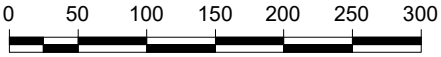
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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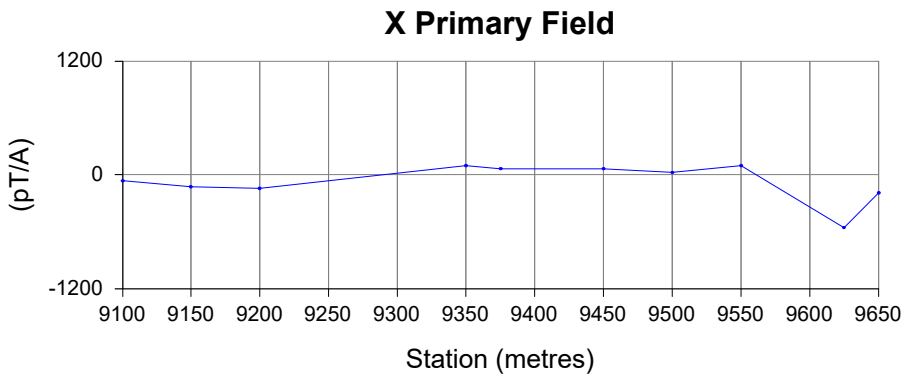
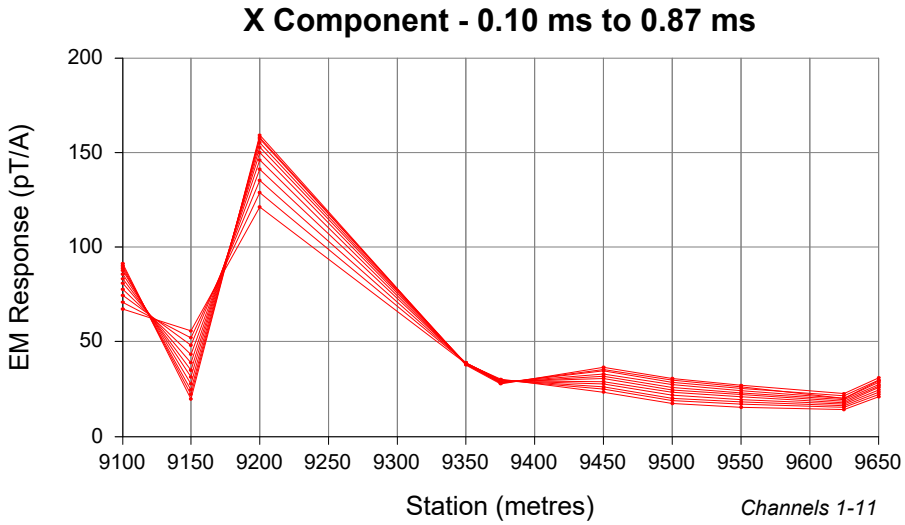
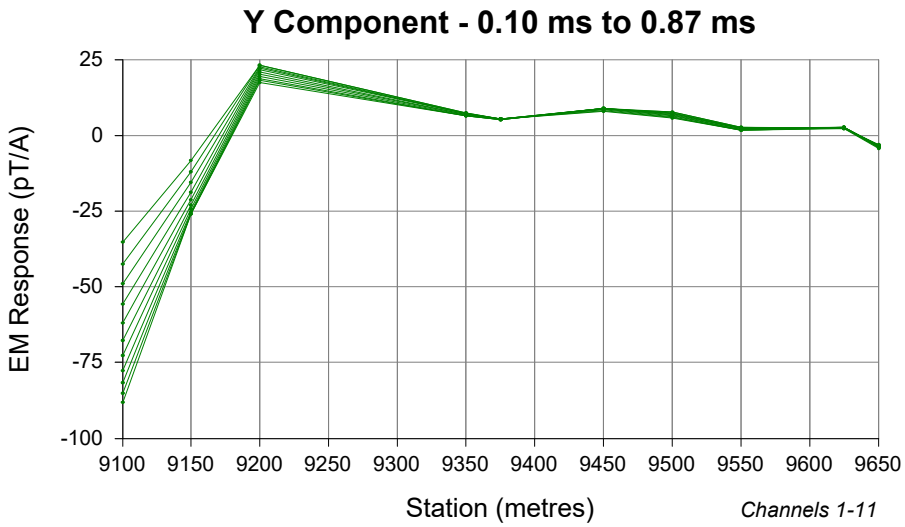
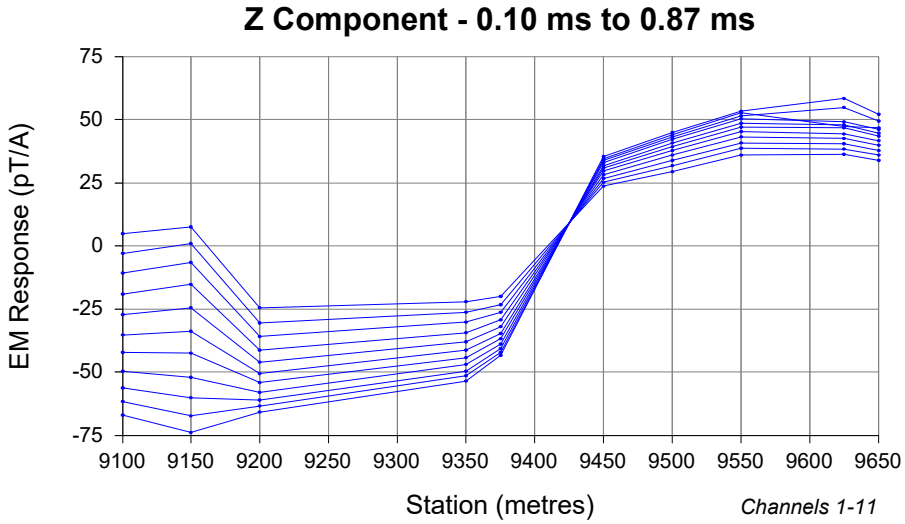








SURVEY PARAMETERS

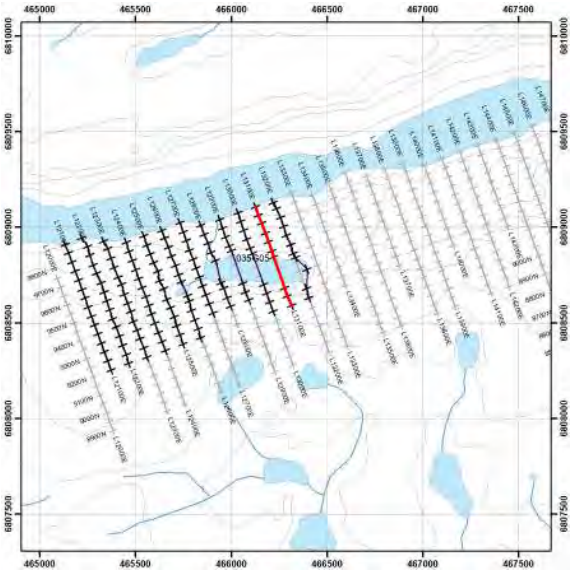
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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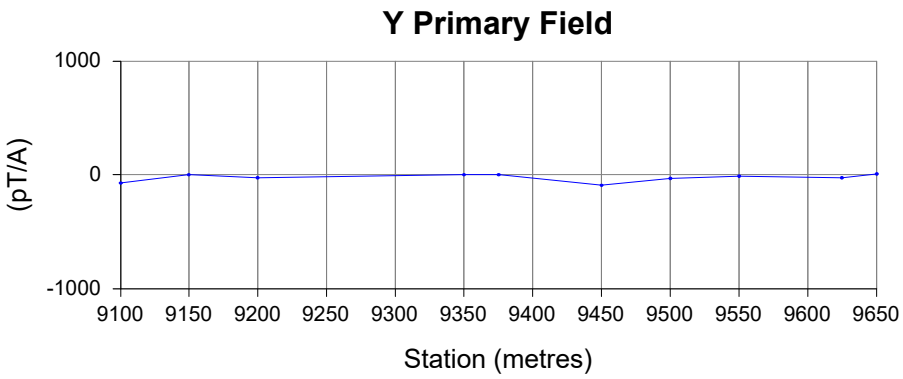
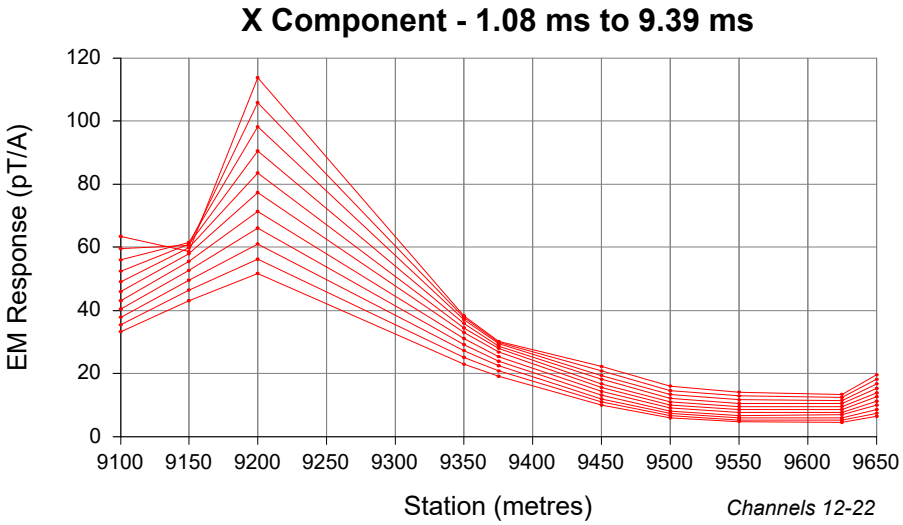
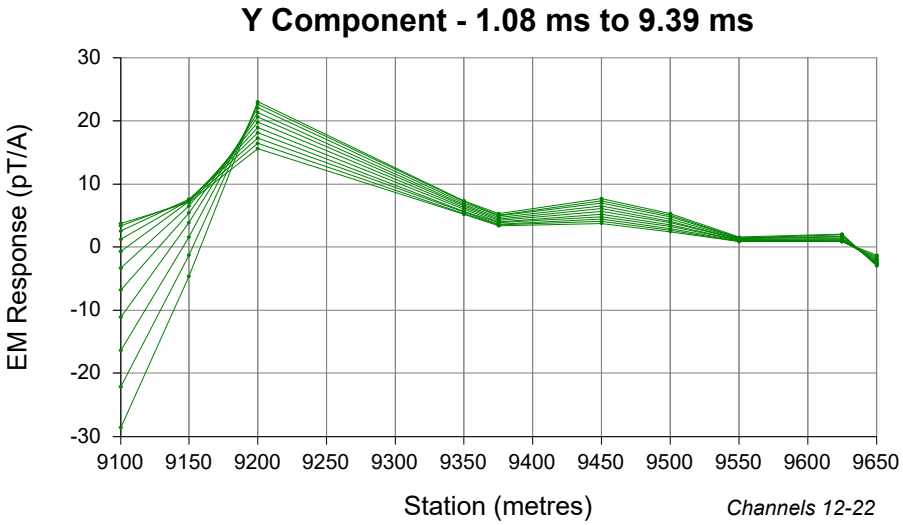
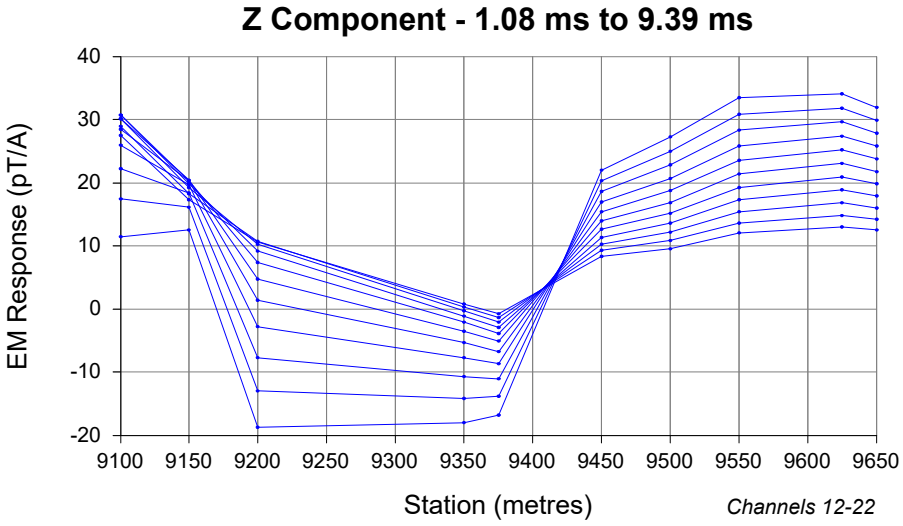








SURVEY PARAMETERS

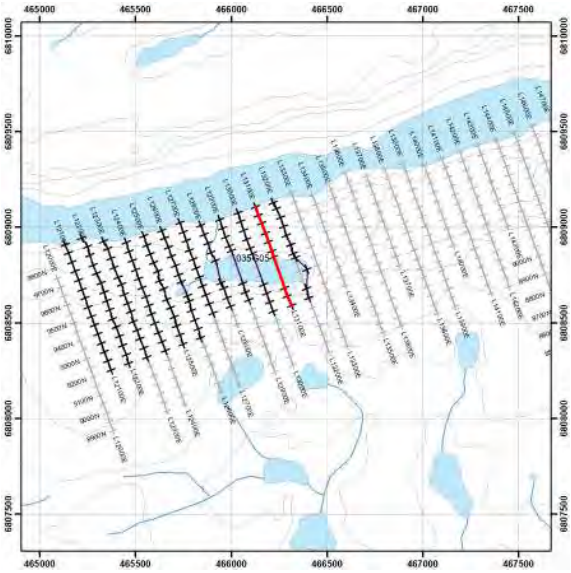
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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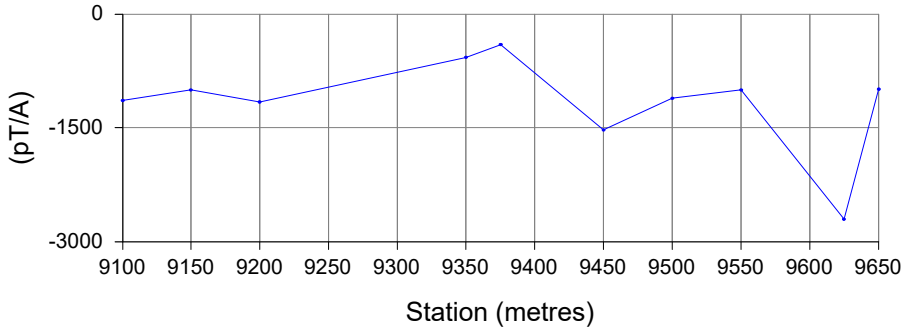
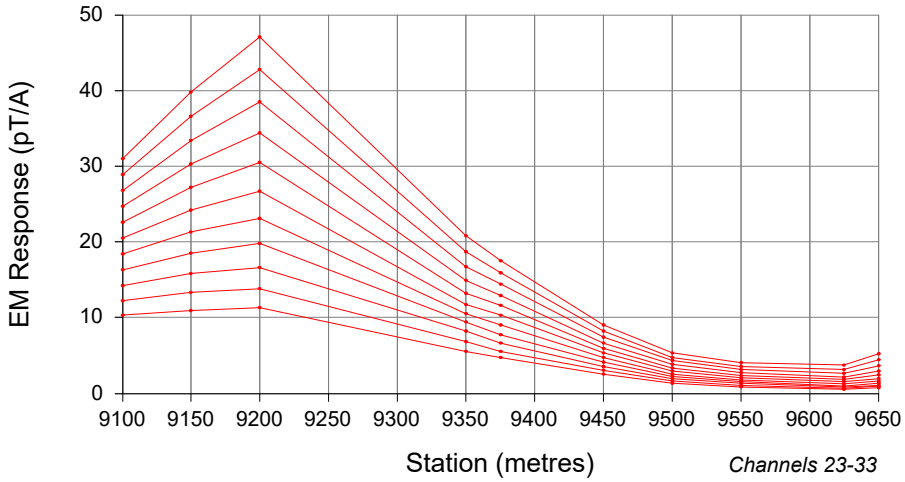
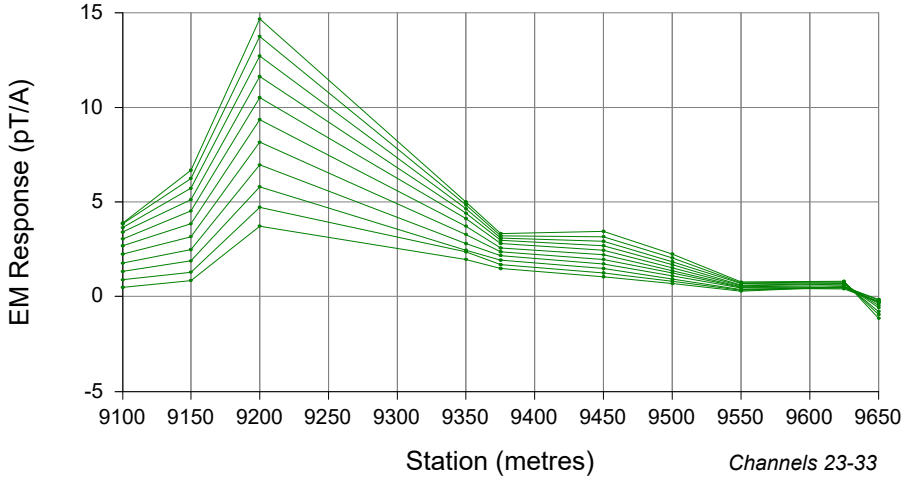
Z Primary Field



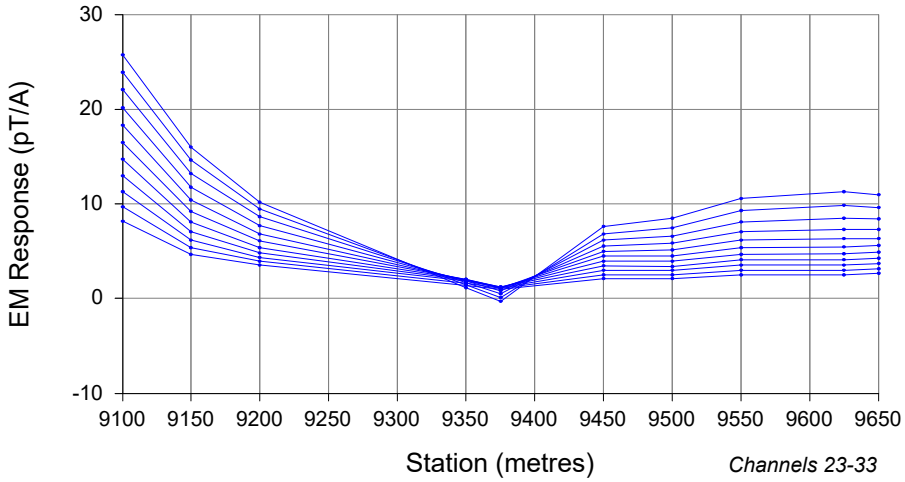
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

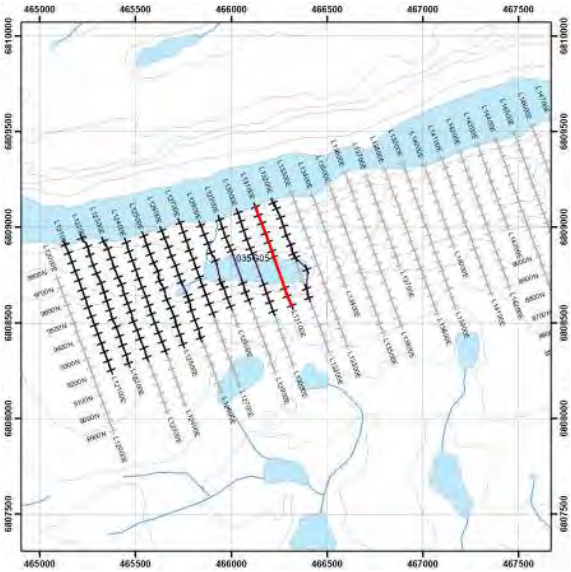
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

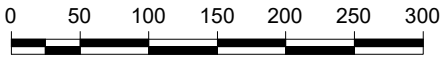
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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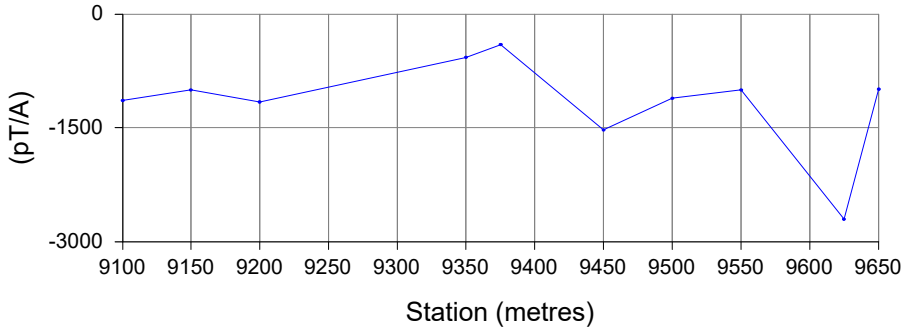
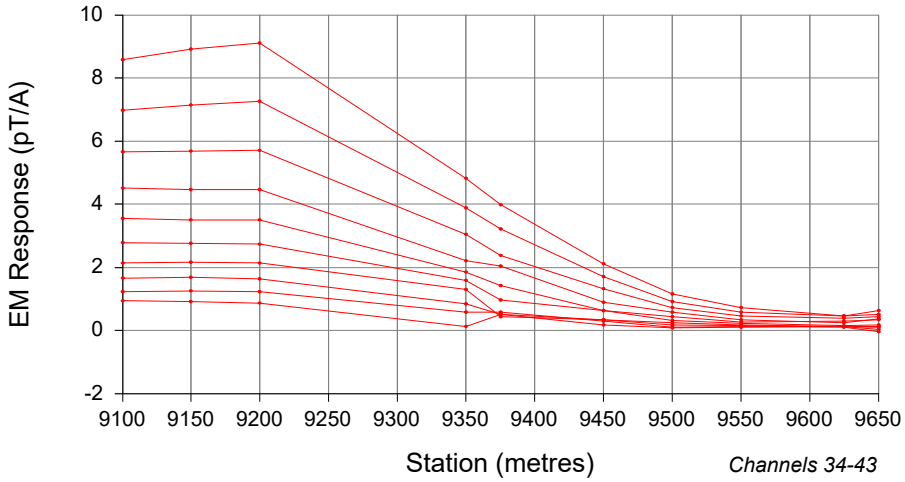
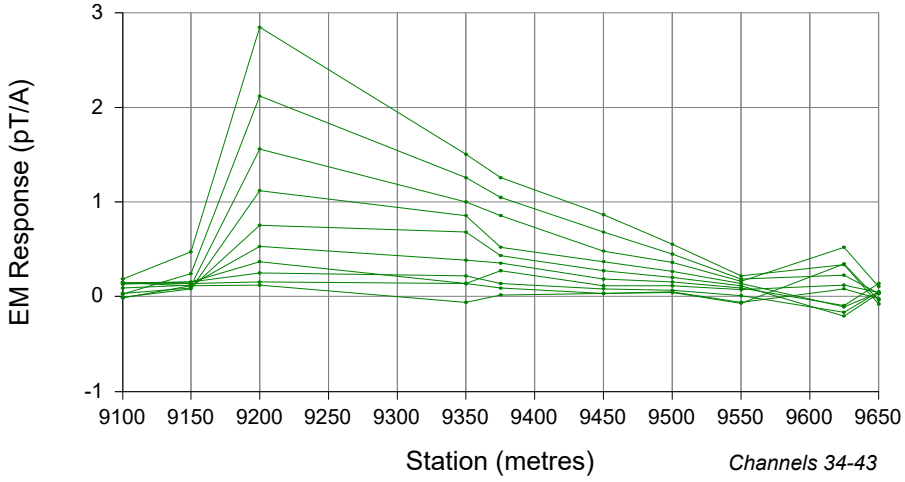
Z Primary Field



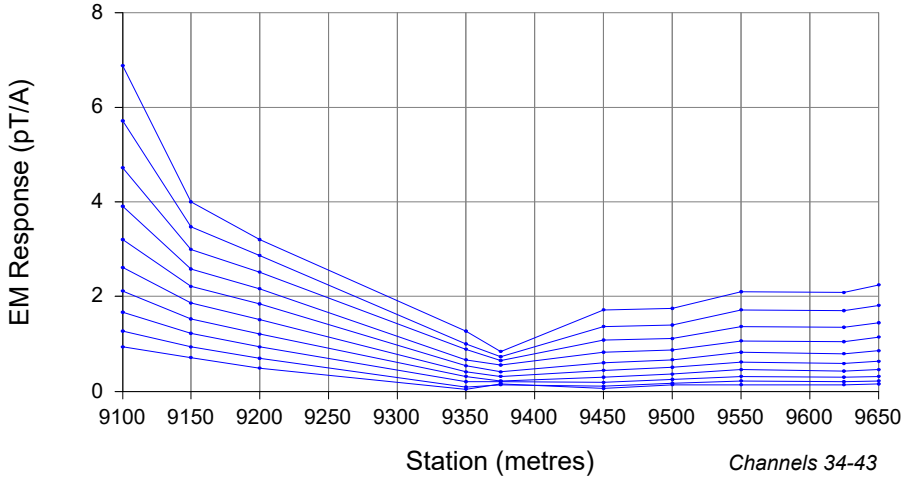
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

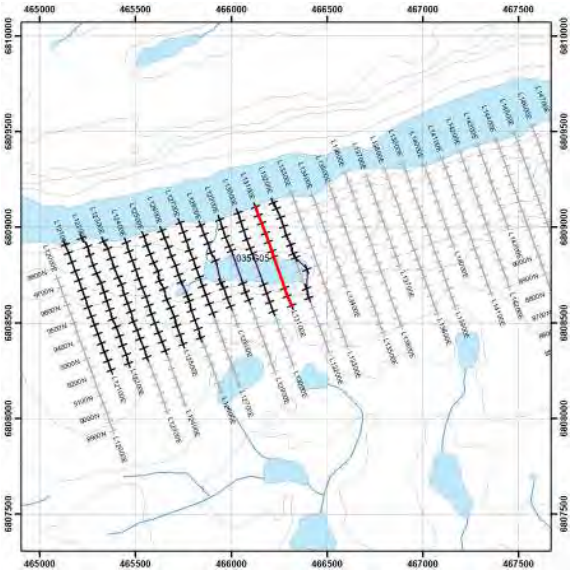
Configuration	: Slingram
Station Spacing	: 0-150 m
Rx-Tx Offset	: 200 m

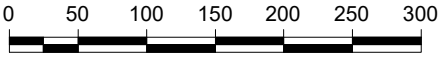
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





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Line 13100E

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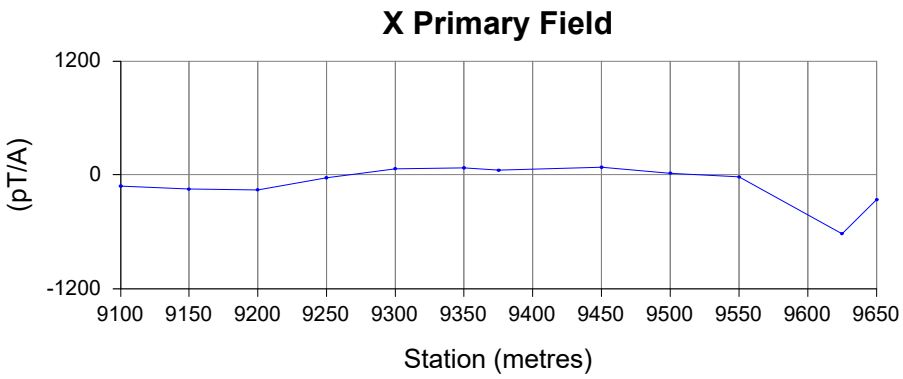
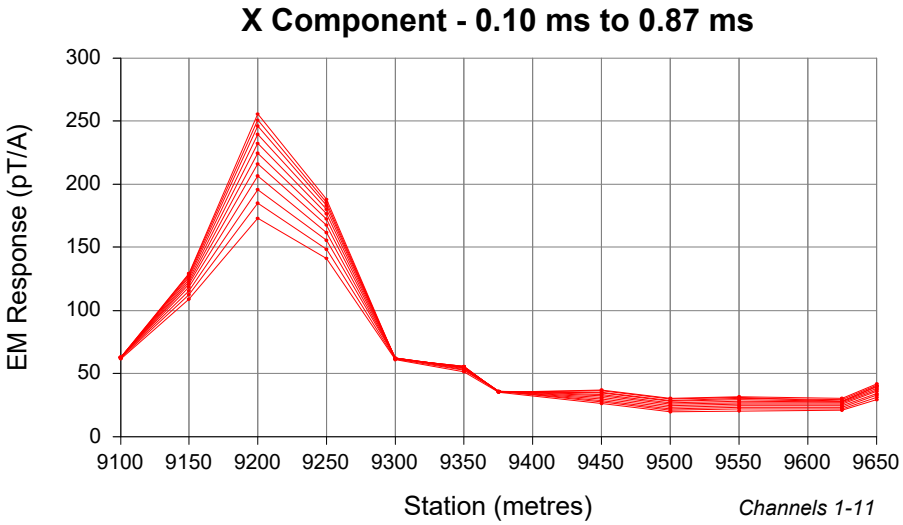
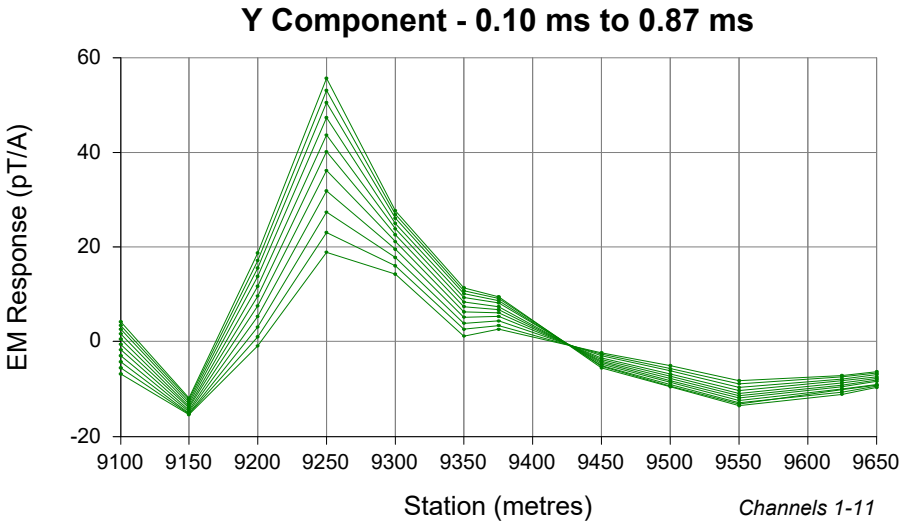
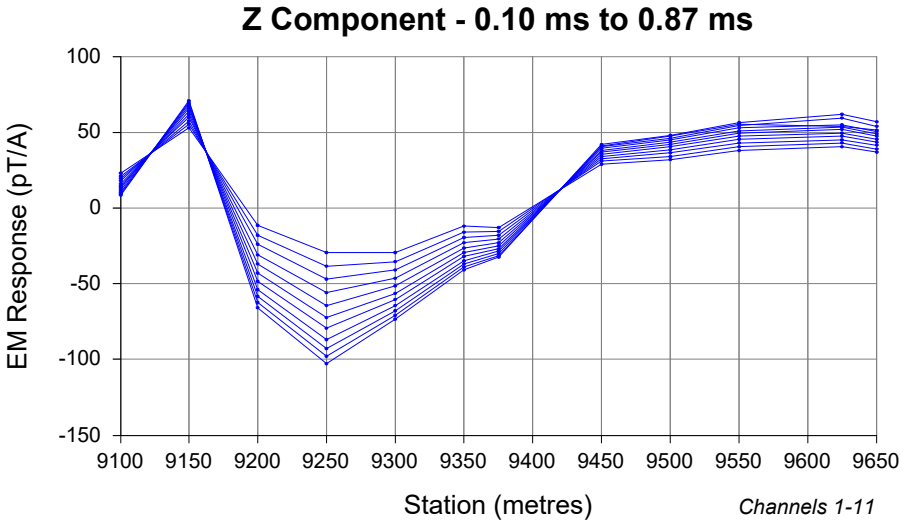








SURVEY PARAMETERS

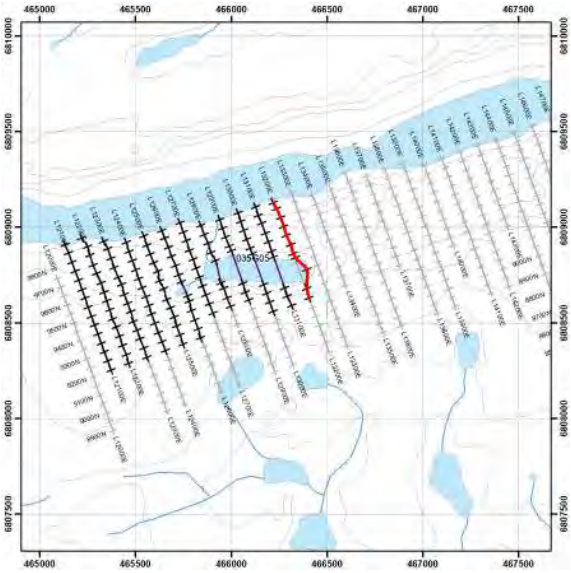
Configuration	: Slingram
Station Spacing	: 0-75 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Slingram Survey

Line 13200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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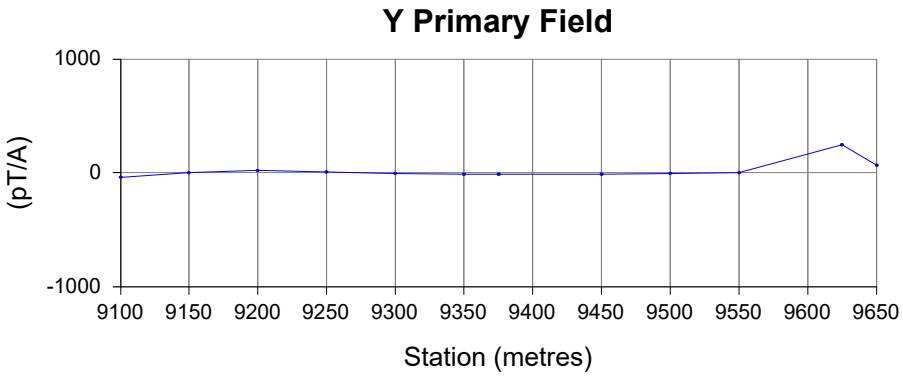
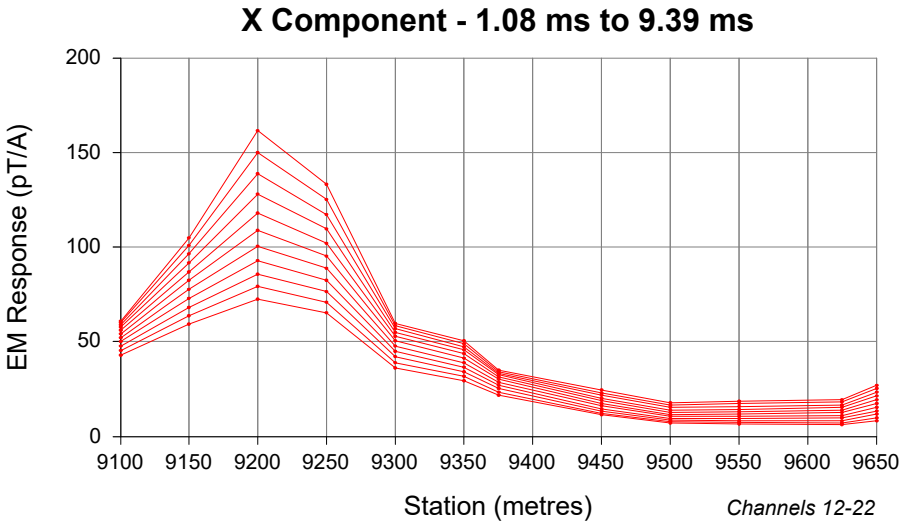
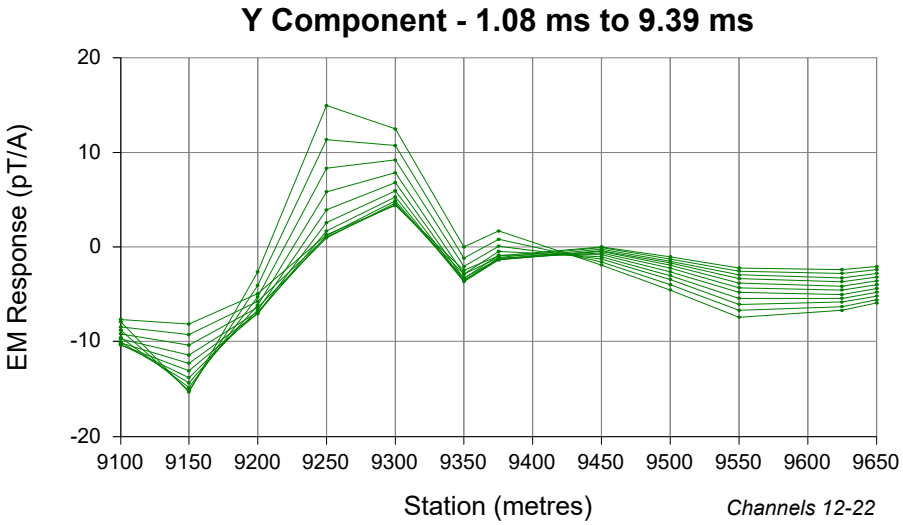
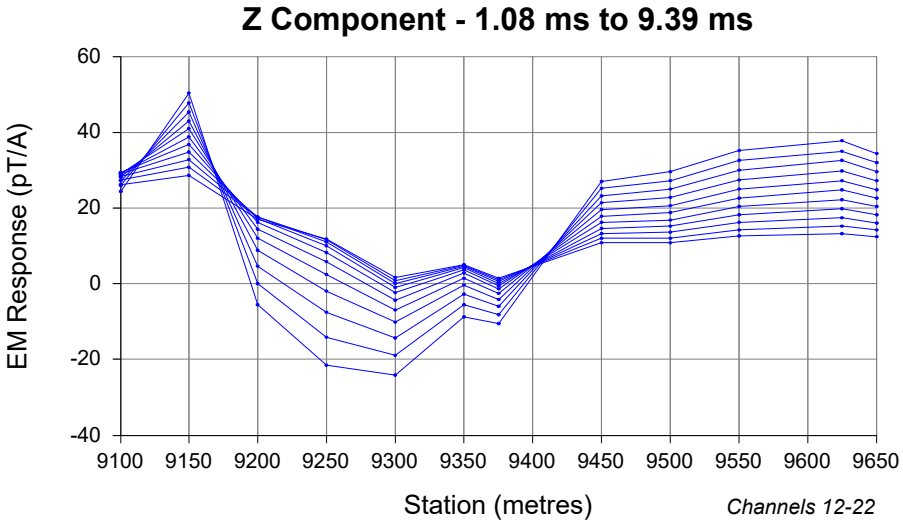








SURVEY PARAMETERS

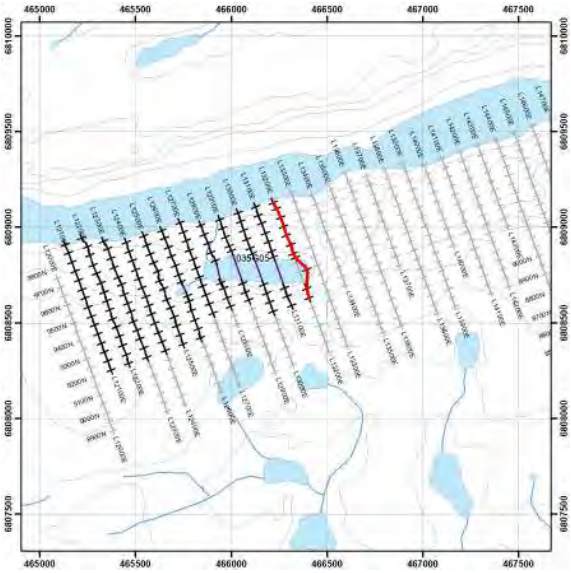
Configuration	: Slingram
Station Spacing	: 0-75 m
Rx-Tx Offset	: 200 m

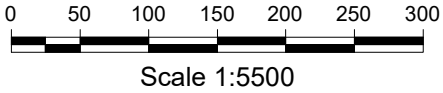
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





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Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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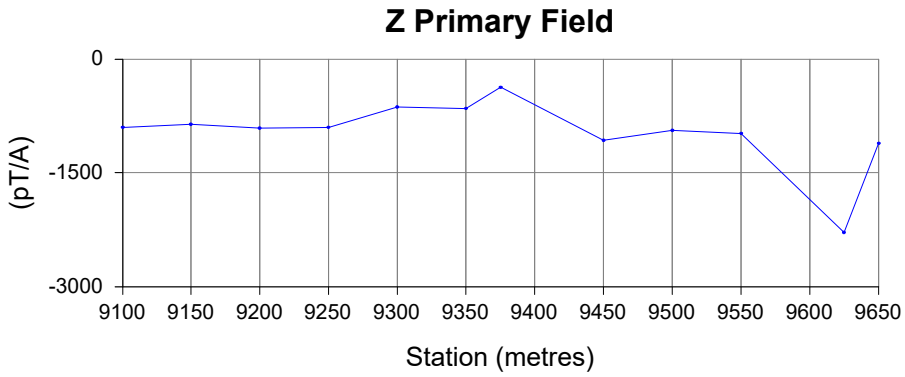
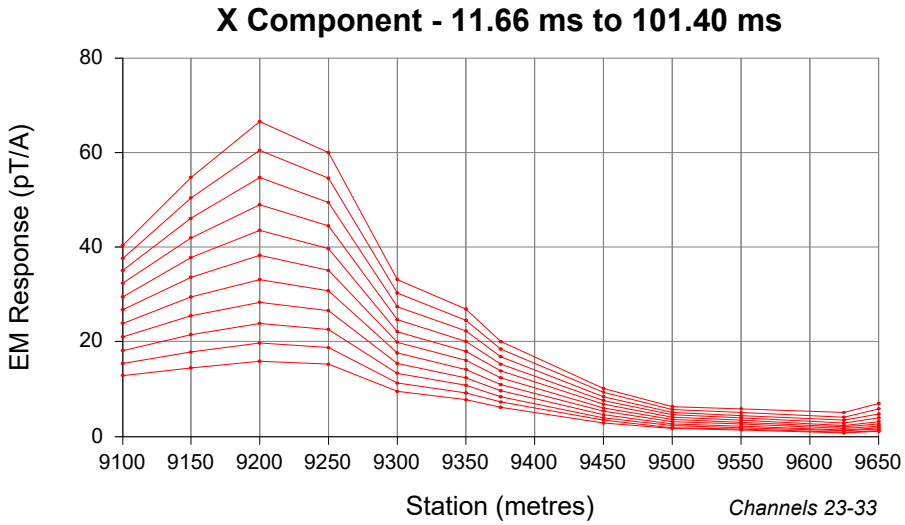
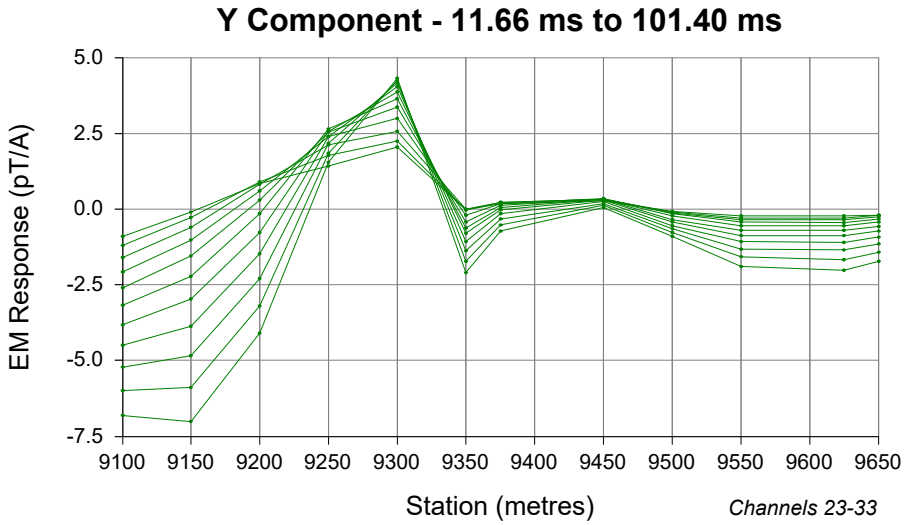
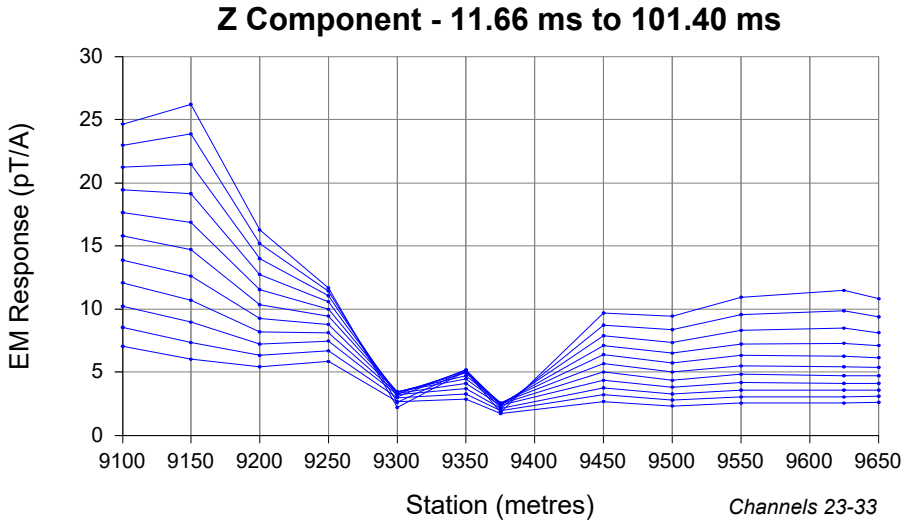








SURVEY PARAMETERS

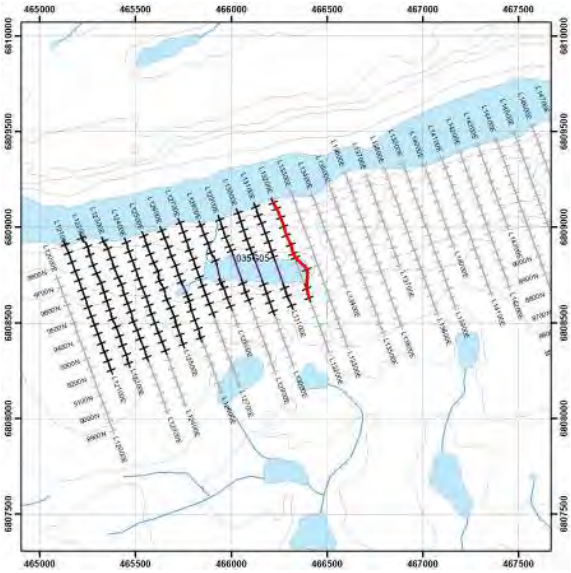
Configuration	: Slingram
Station Spacing	: 0-75 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Slingram Survey

Line 13200E

Surveyed By: Cole Smytaniuk
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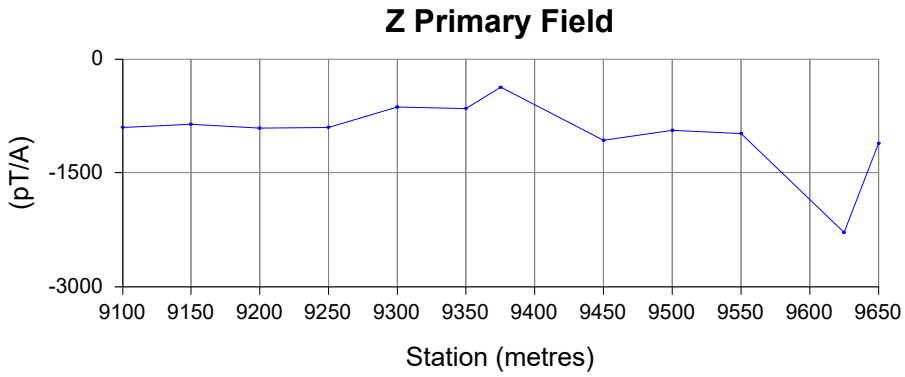
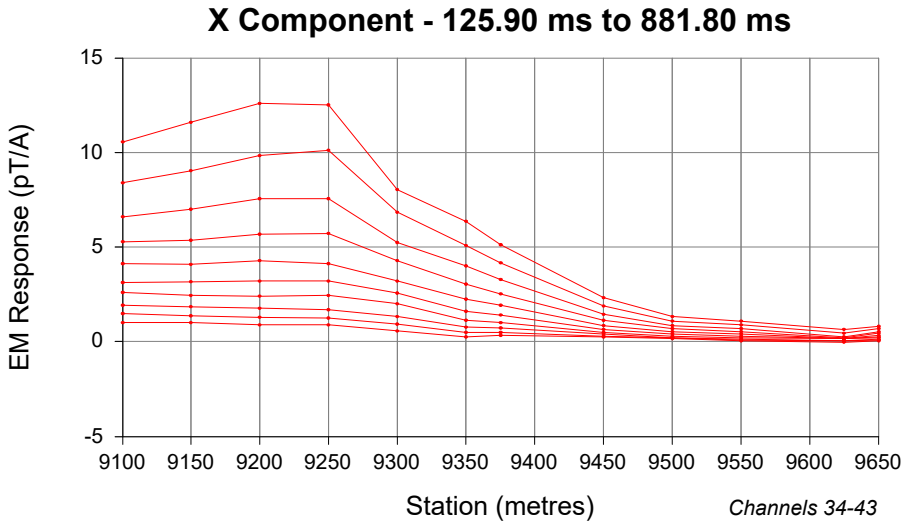
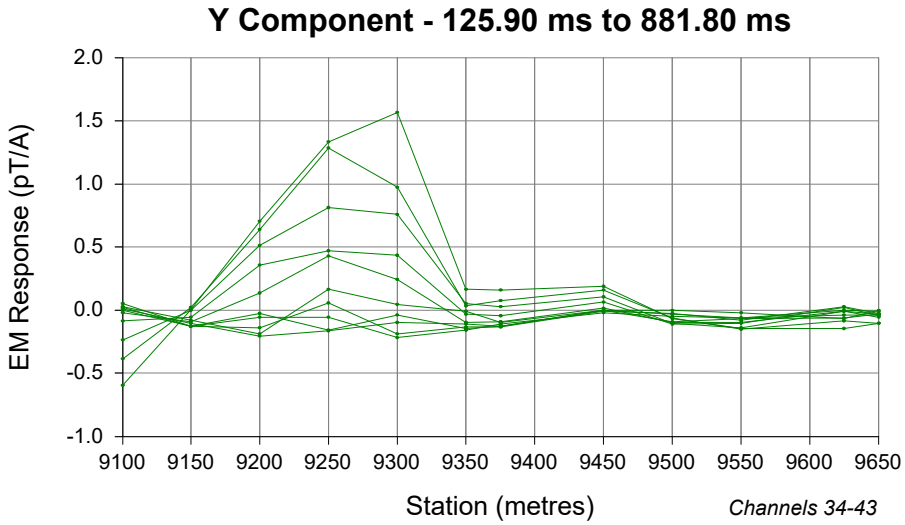
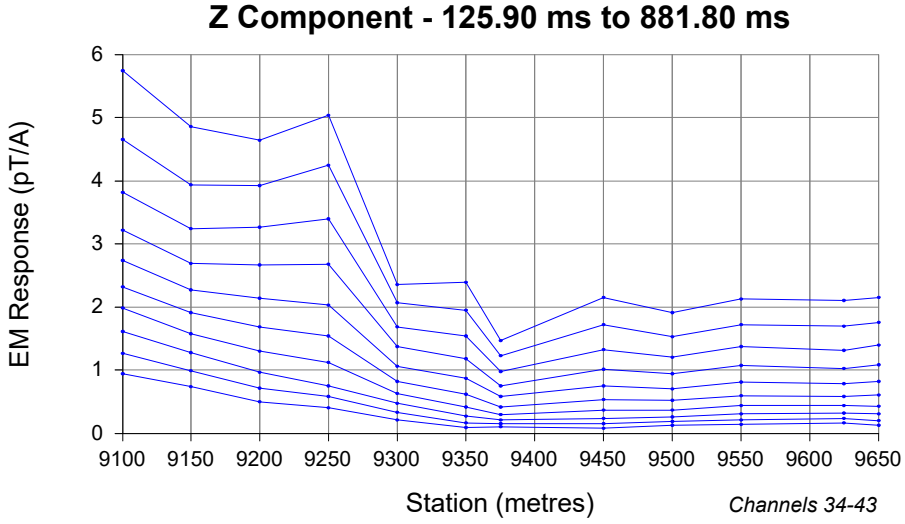








SURVEY PARAMETERS

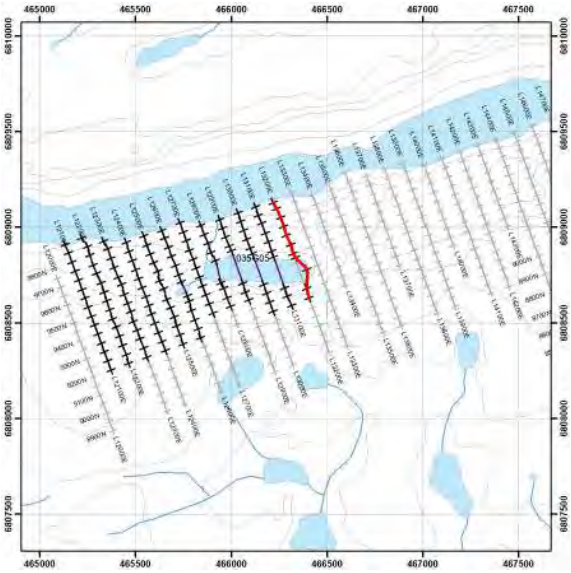
Configuration	: Slingram
Station Spacing	: 0-75 m
Rx-Tx Offset	: 200 m

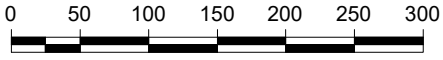
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





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Slingram Survey

Line 13200E

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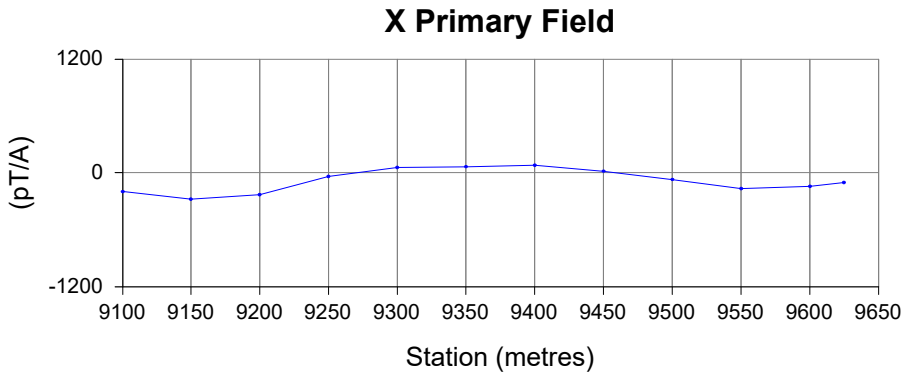
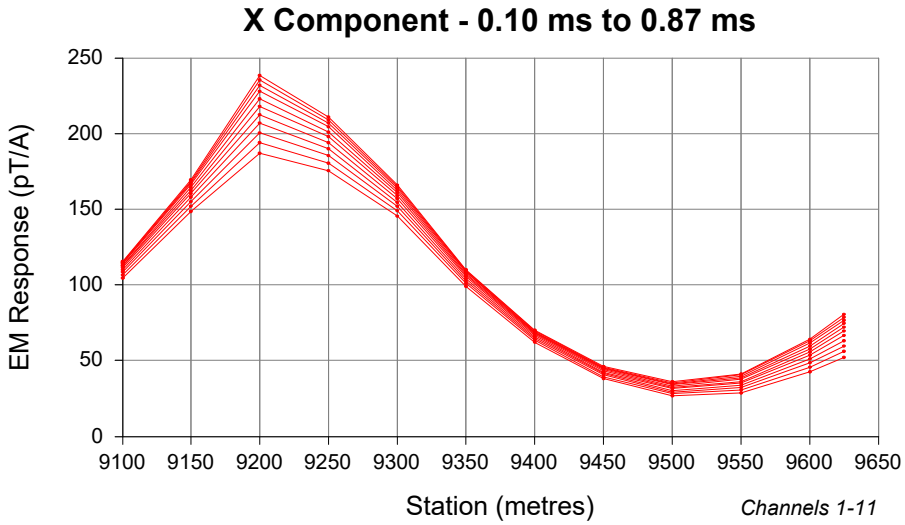
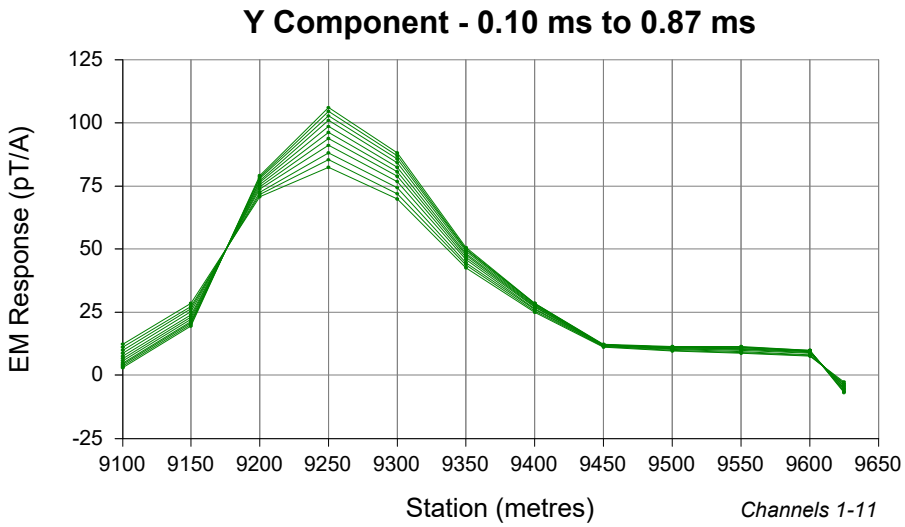
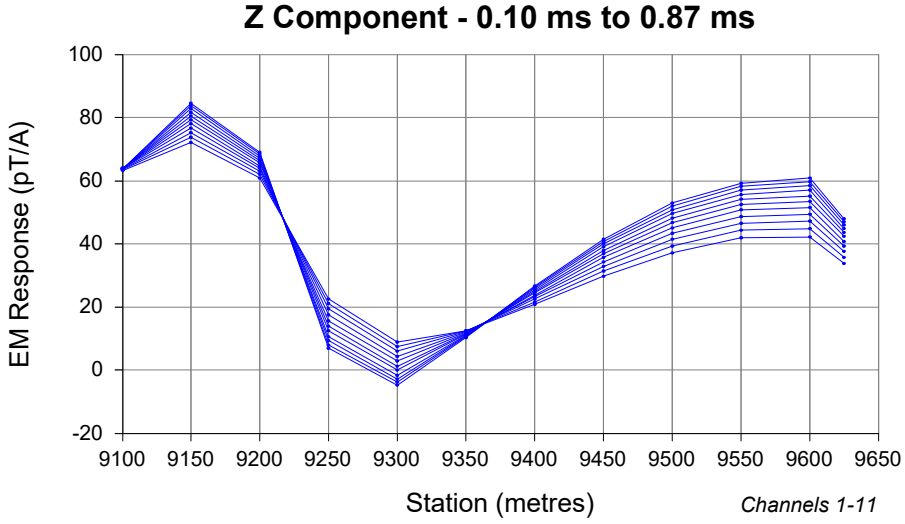








SURVEY PARAMETERS

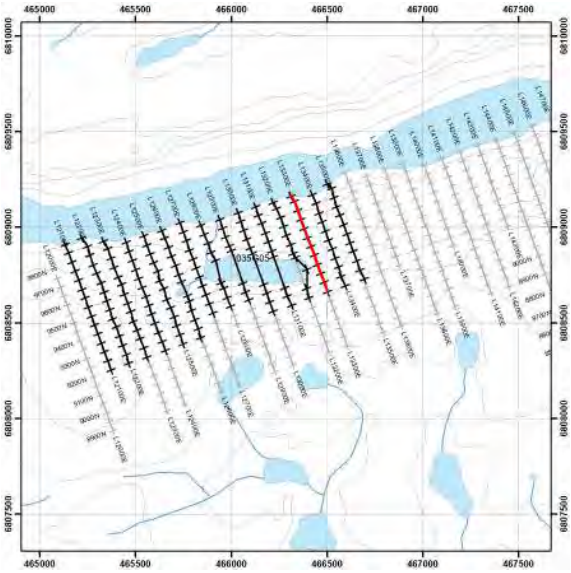
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13300E

Surveyed By: Joseph Cook
Survey Date: August 2021

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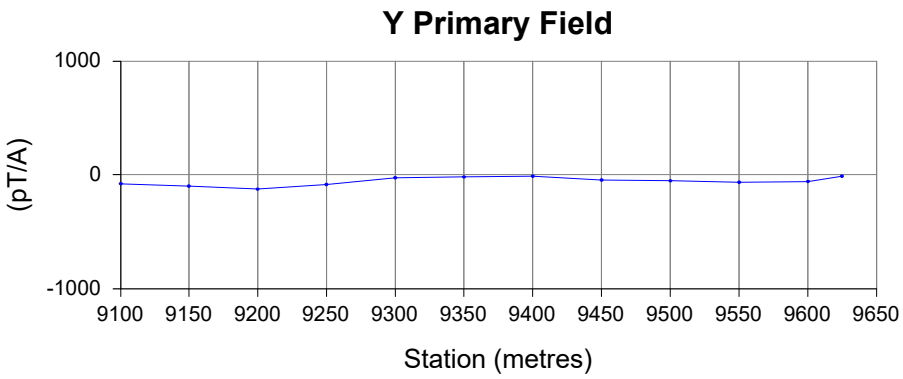
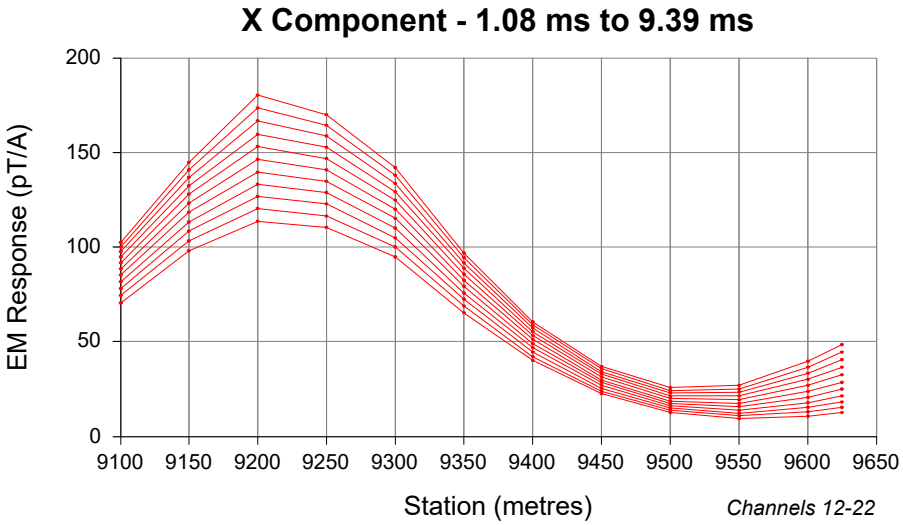
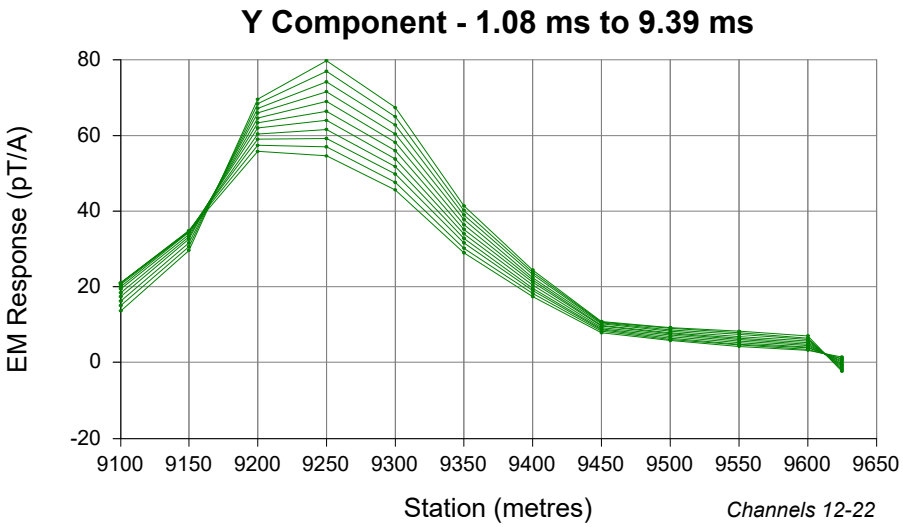
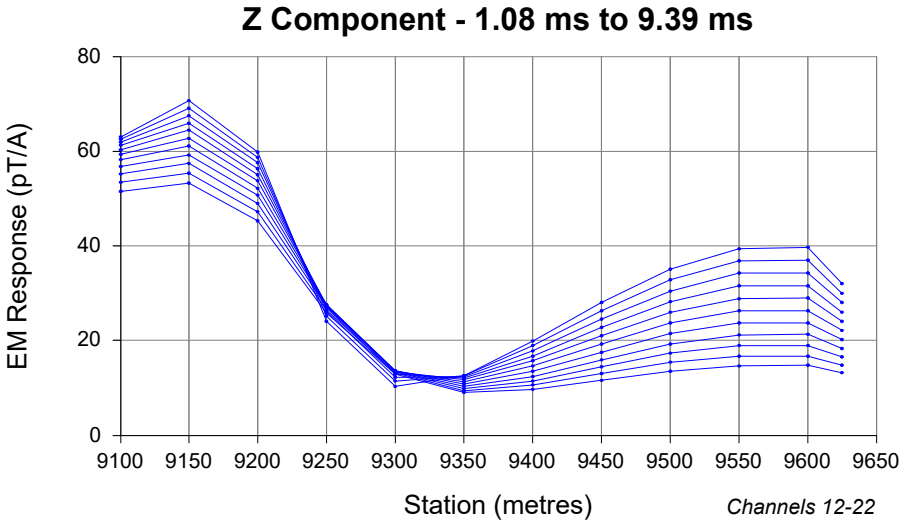








SURVEY PARAMETERS

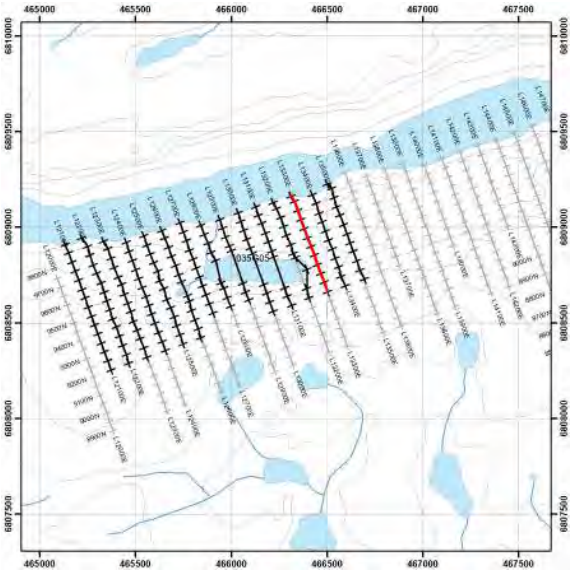
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

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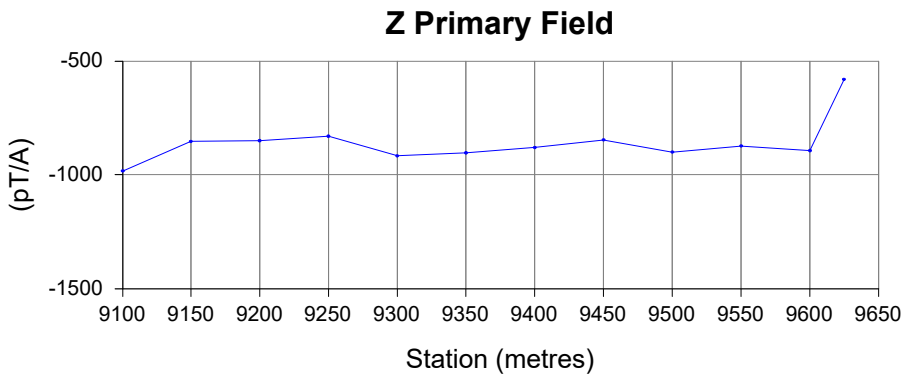
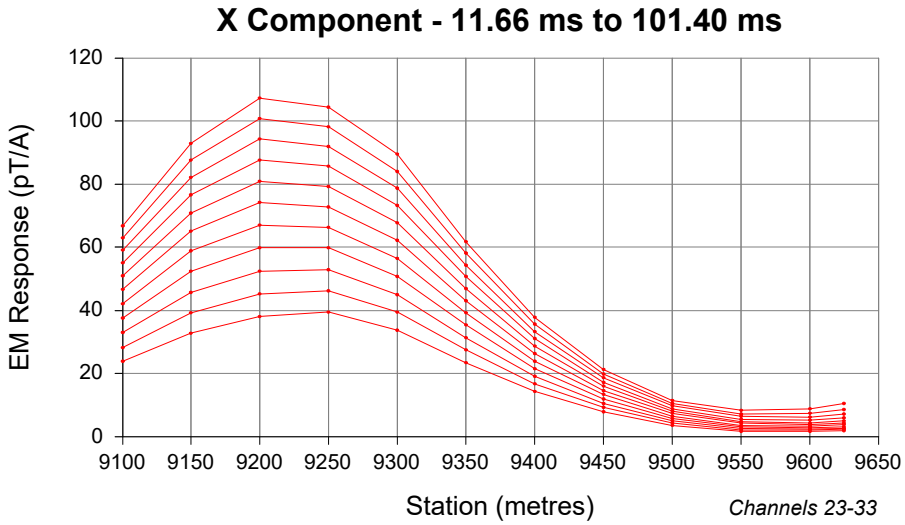
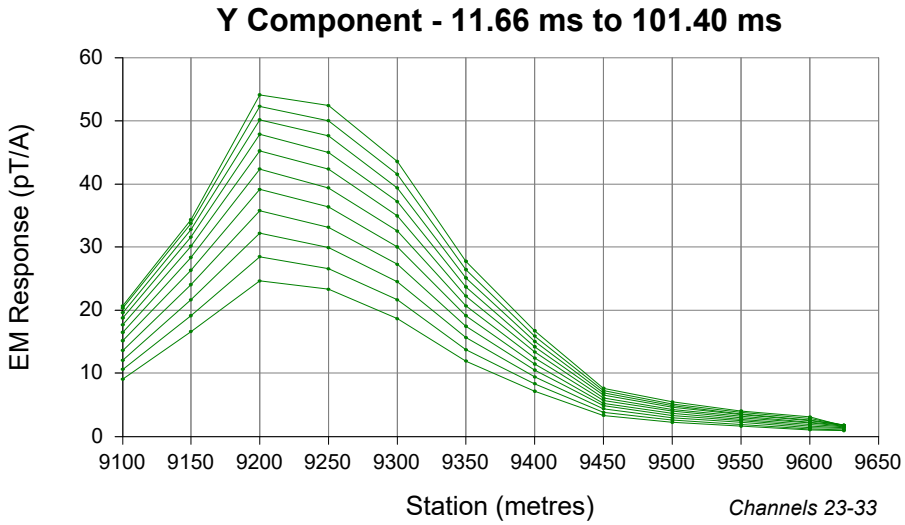
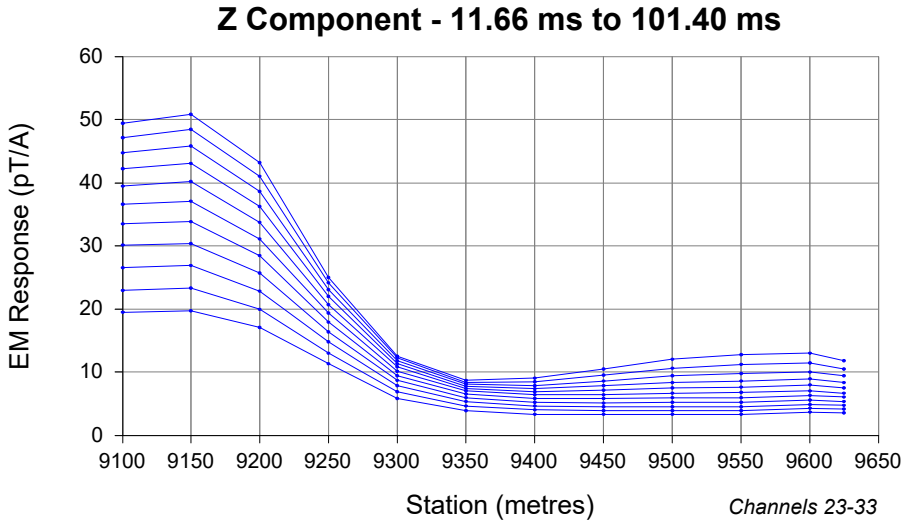








SURVEY PARAMETERS

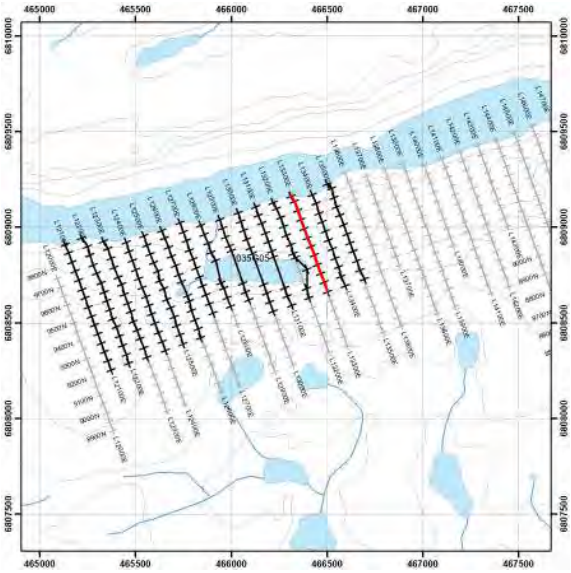
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13300E

Surveyed By: Joseph Cook
Survey Date: August 2021

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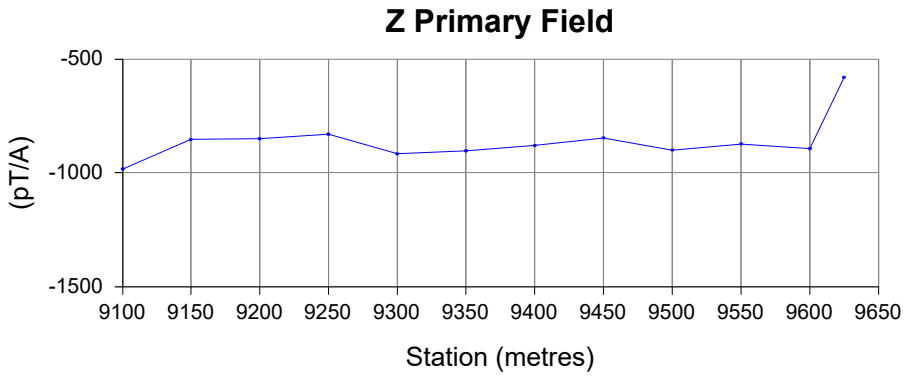
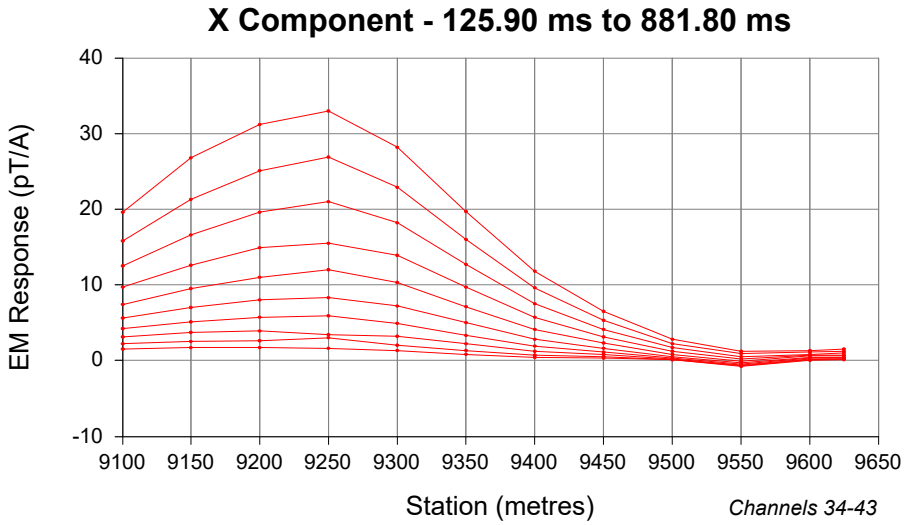
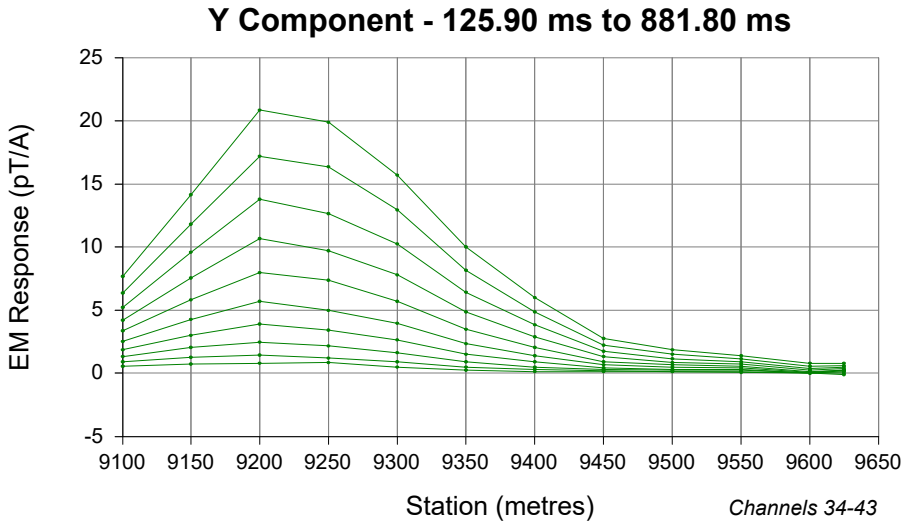
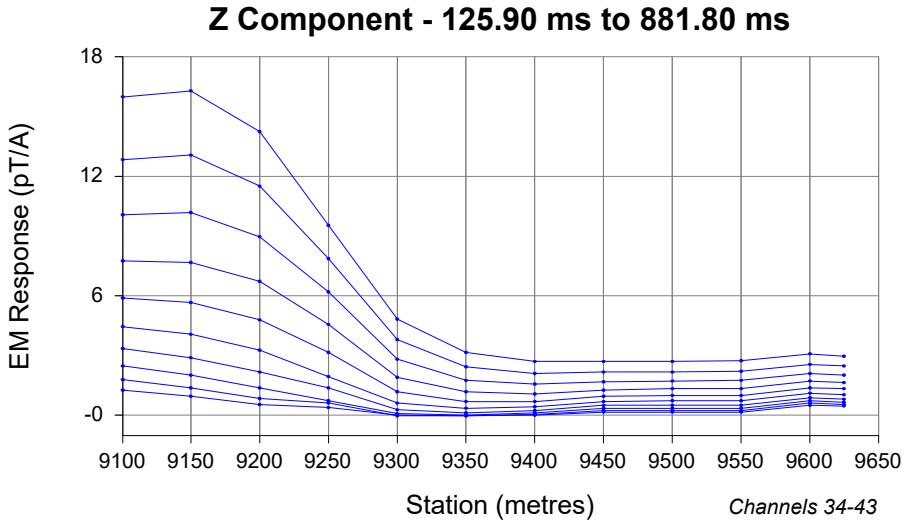








SURVEY PARAMETERS

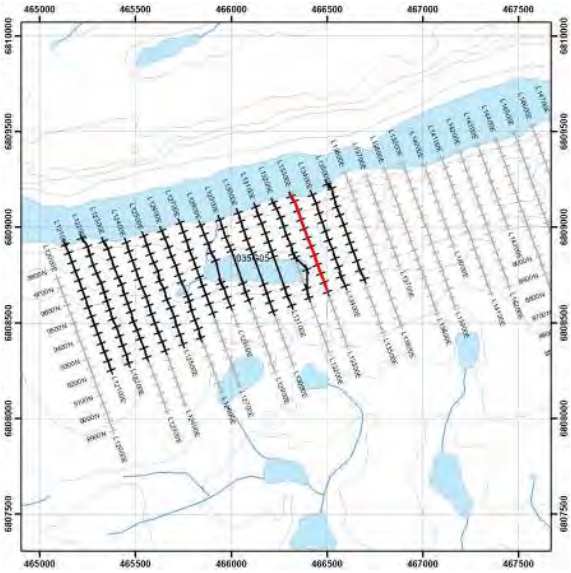
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

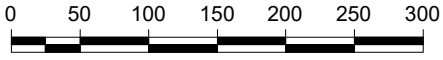
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





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Slingram Survey

Line 13300E

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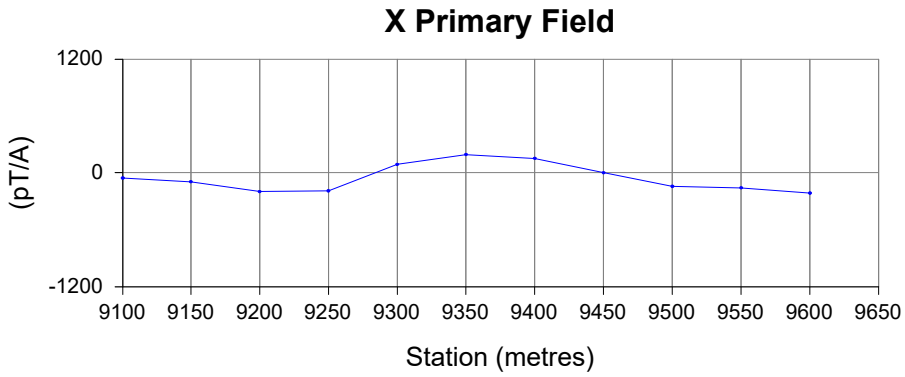
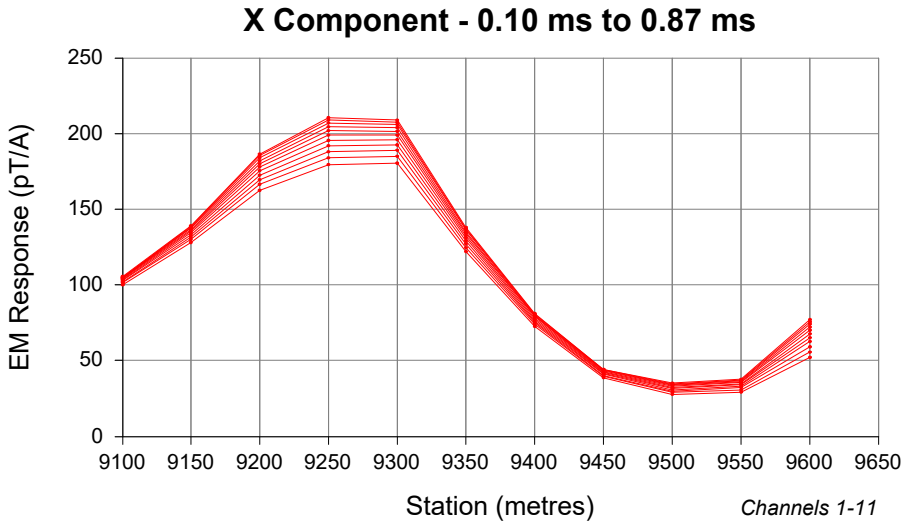
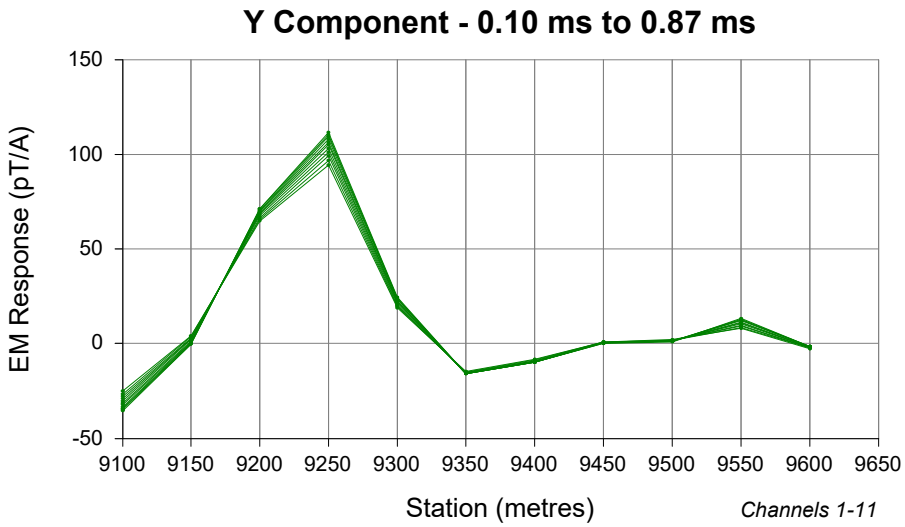
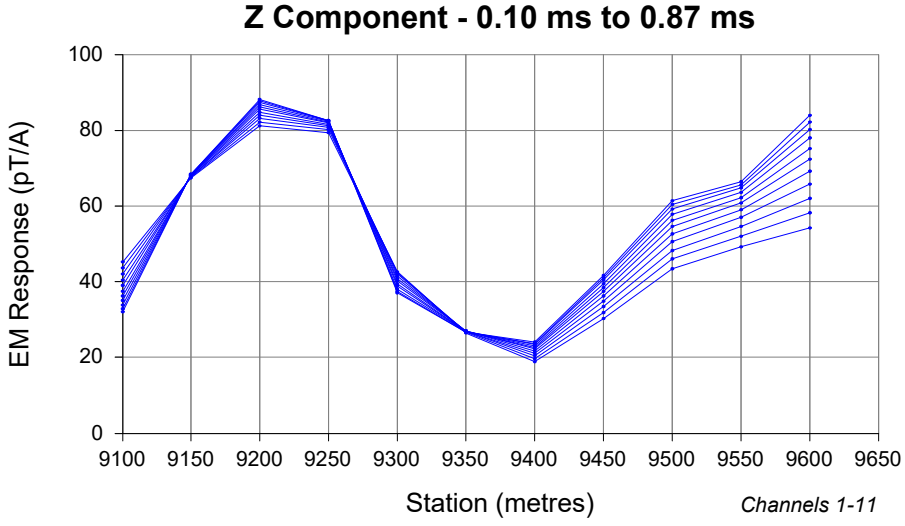








SURVEY PARAMETERS

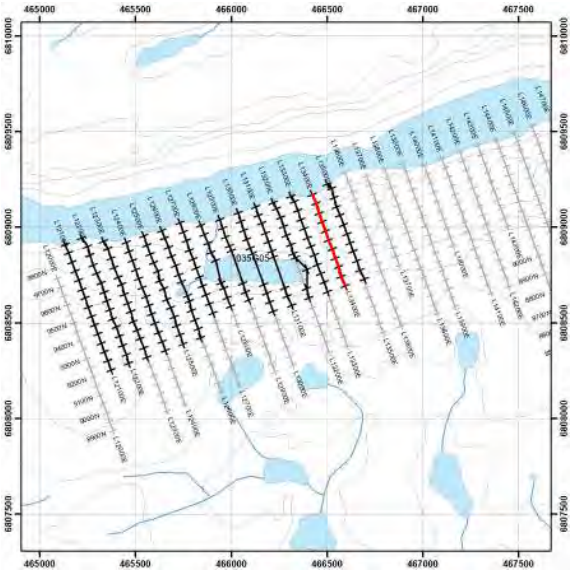
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Slingram Survey

Line 13400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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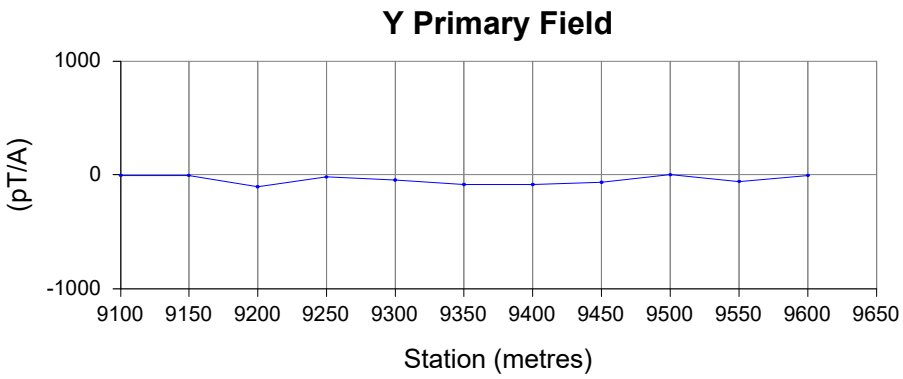
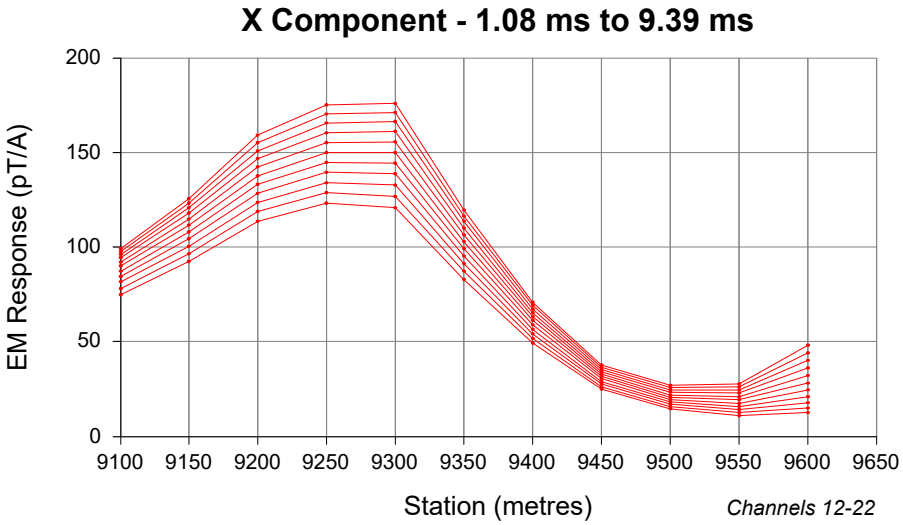
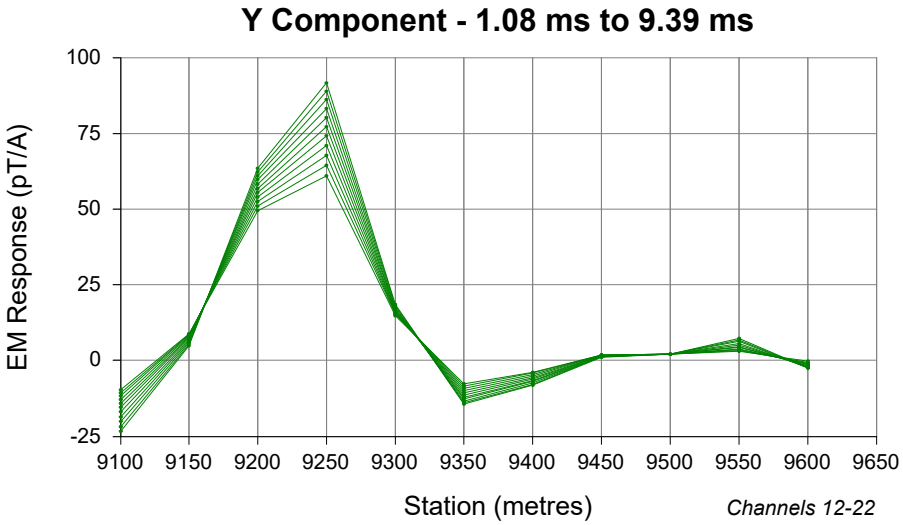
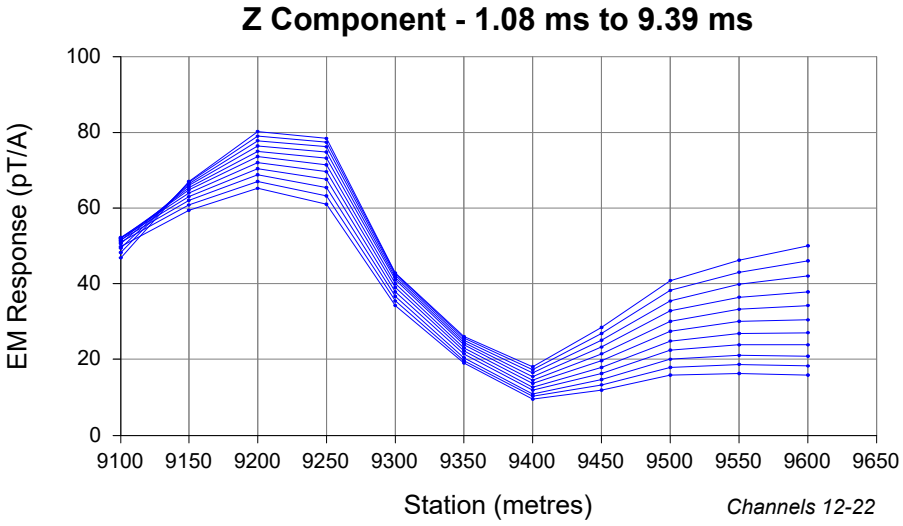








SURVEY PARAMETERS

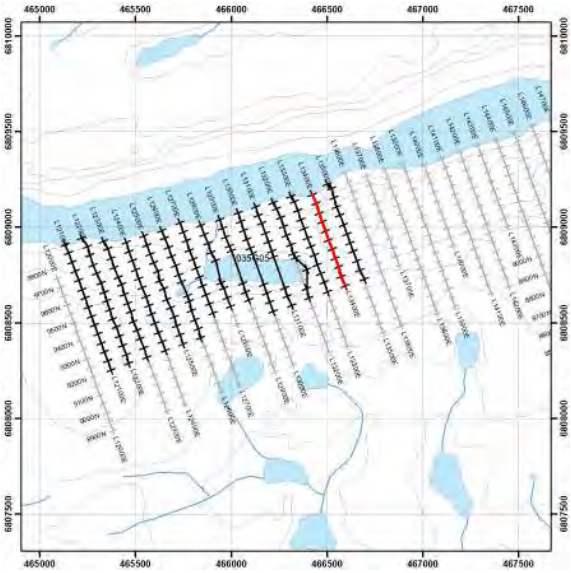
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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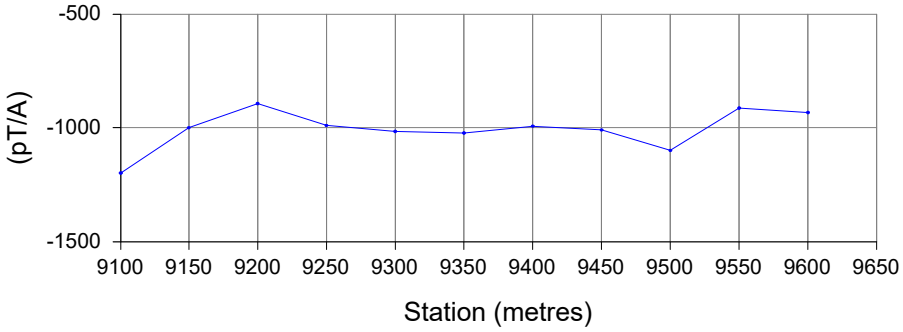
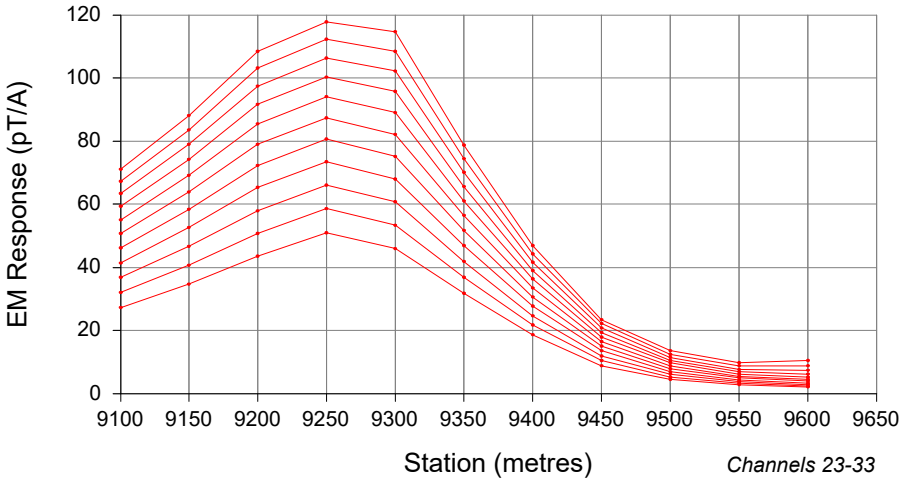
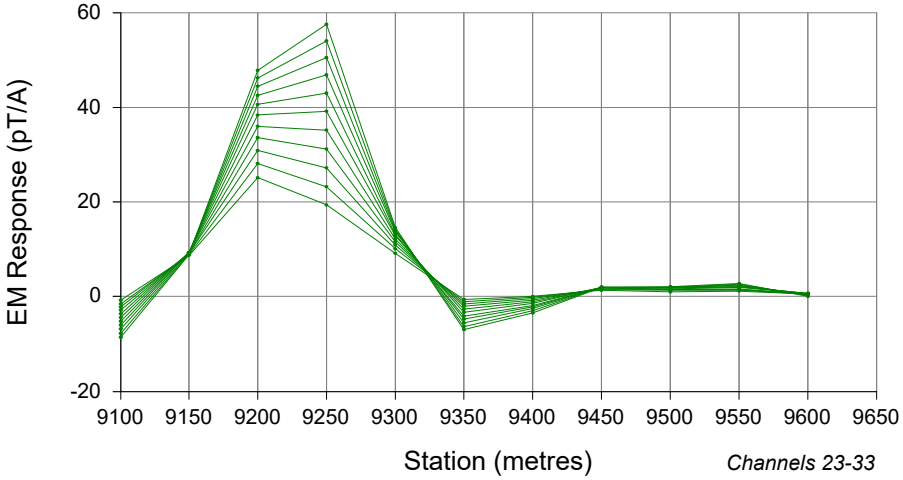
Z Primary Field



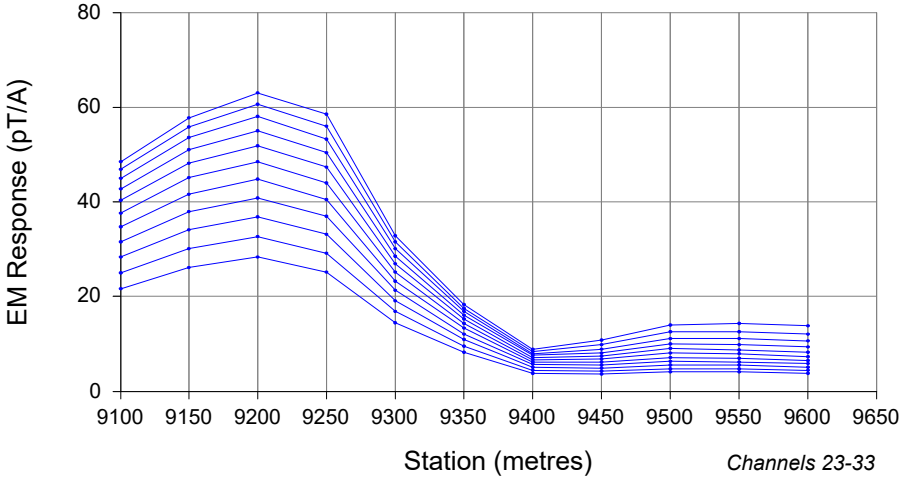
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

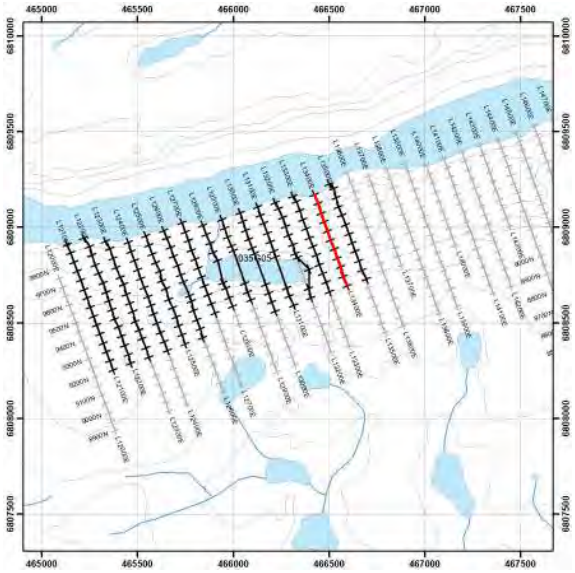
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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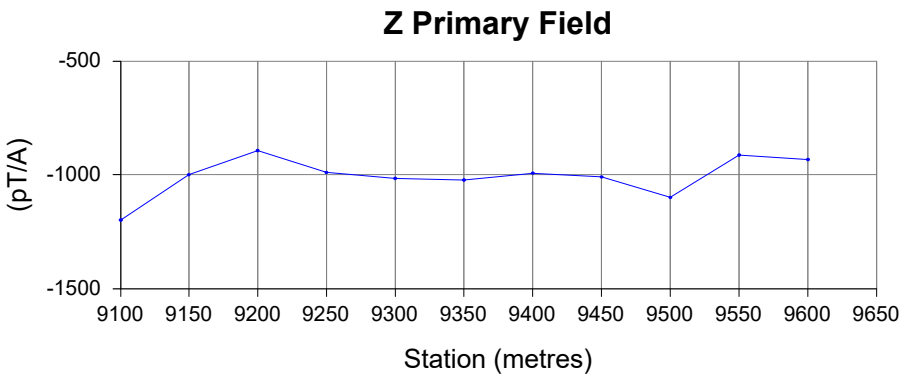
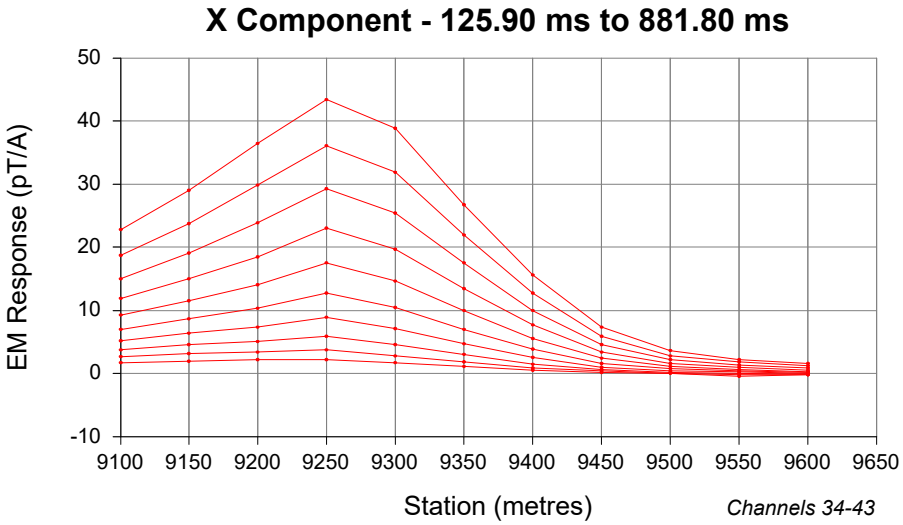
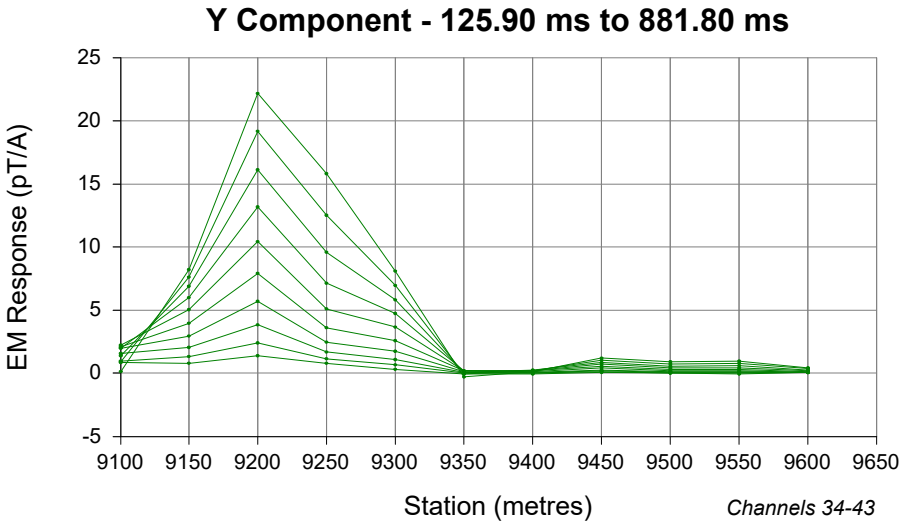
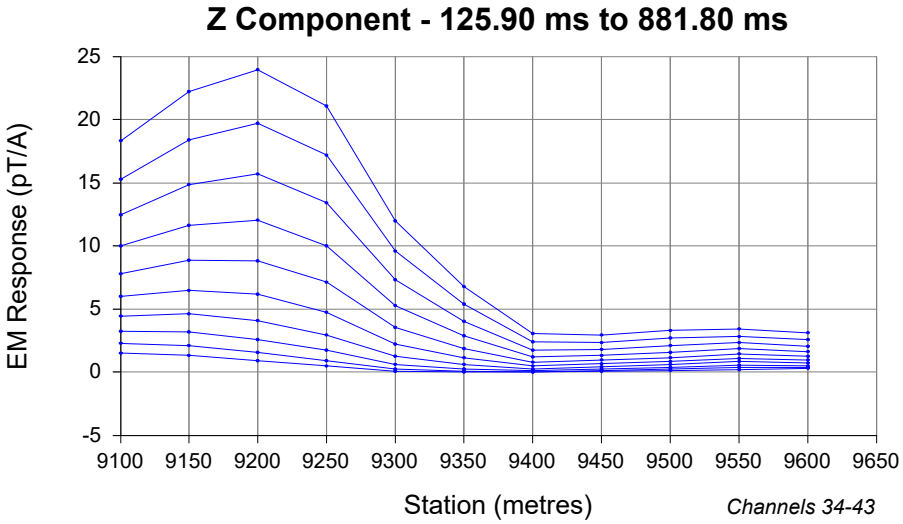








SURVEY PARAMETERS

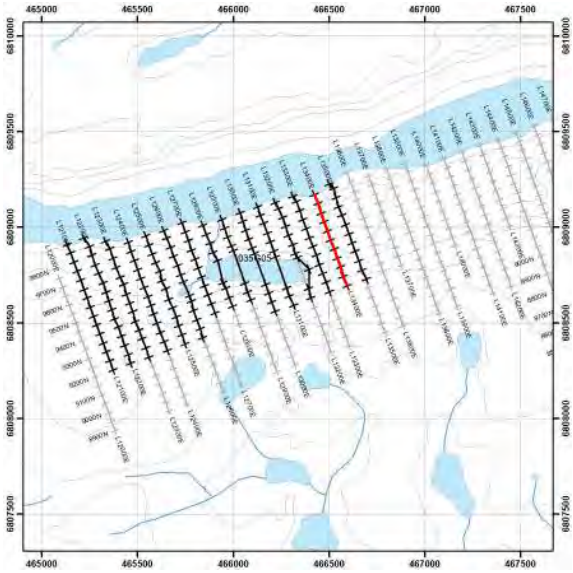
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

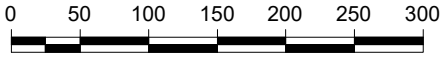
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





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Supracon Jessy HT SQUID
Slingram Survey

Line 13400E

Surveyed By: Mohamed Haiba
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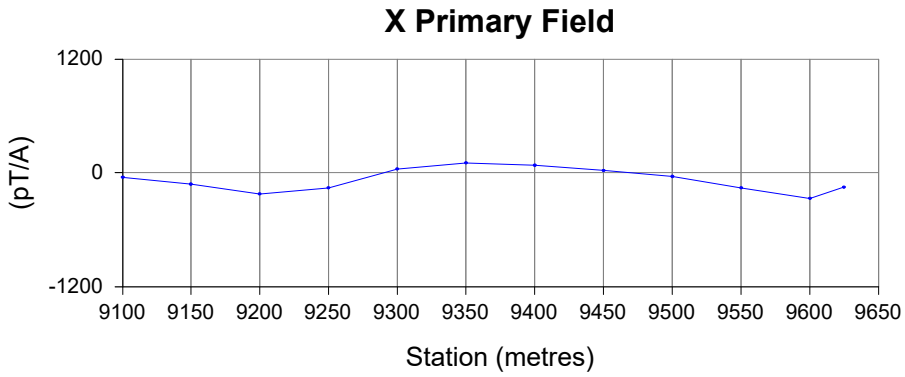
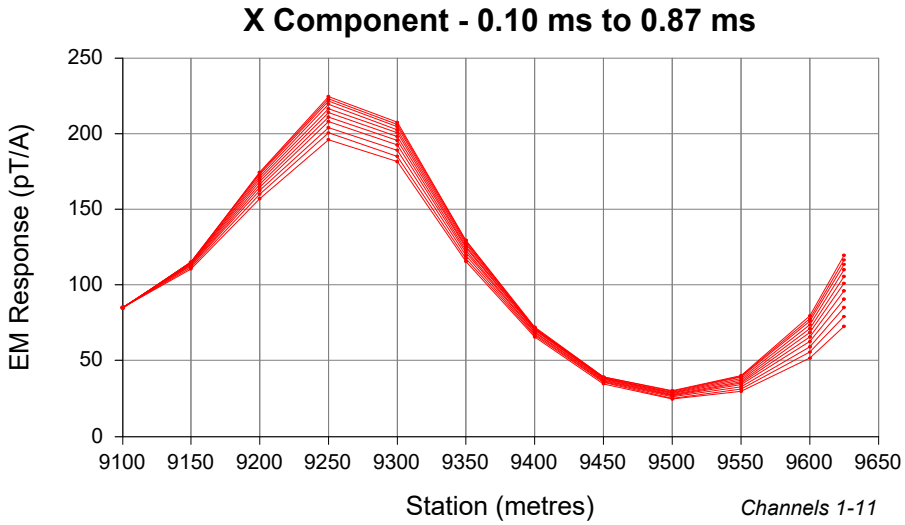
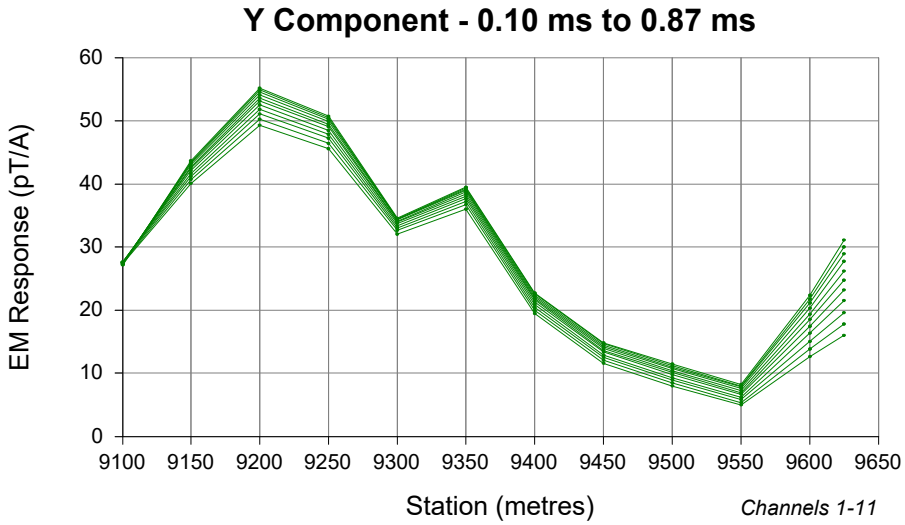
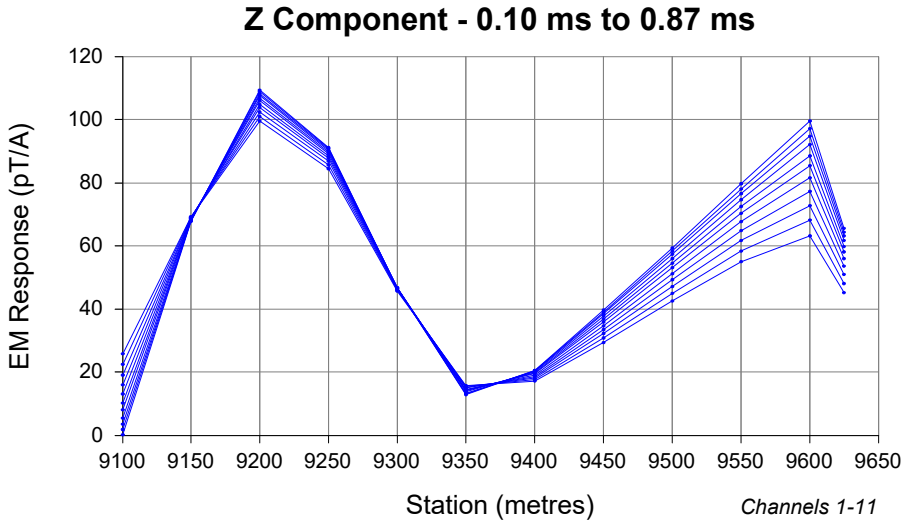








SURVEY PARAMETERS

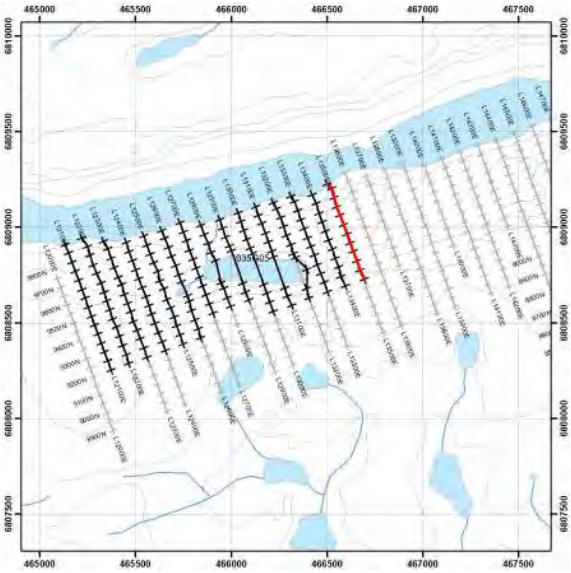
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
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Supracon Jessy HT SQUID
Slingram Survey

Line 13500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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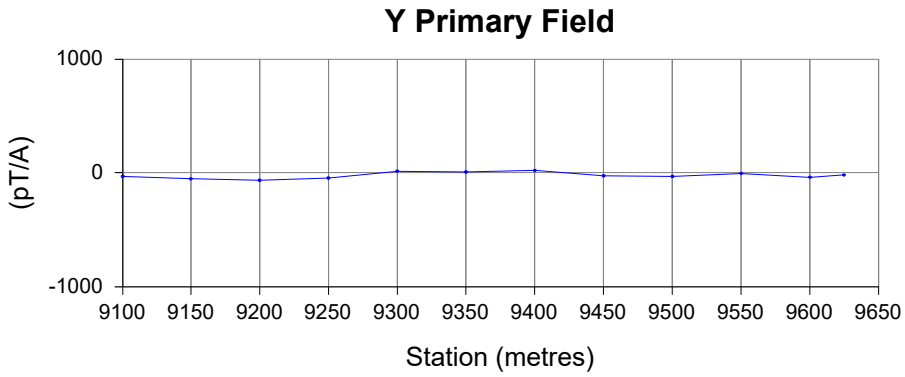
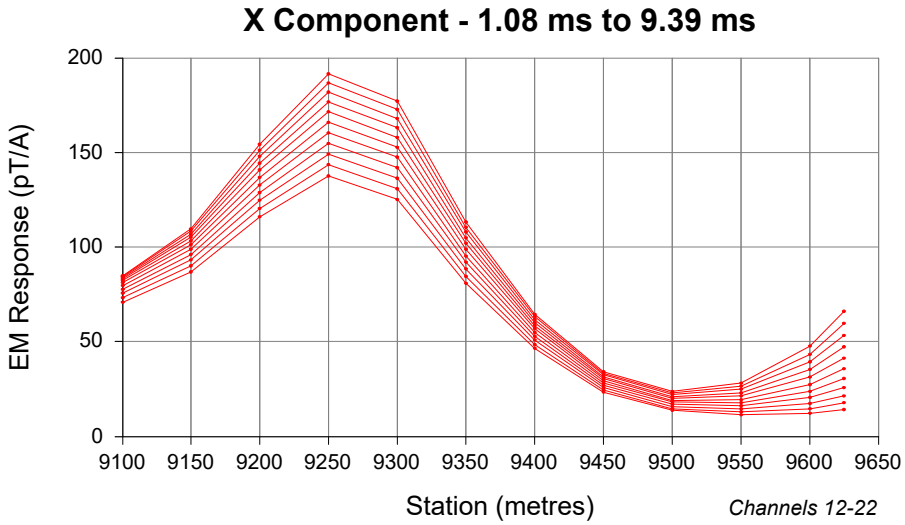
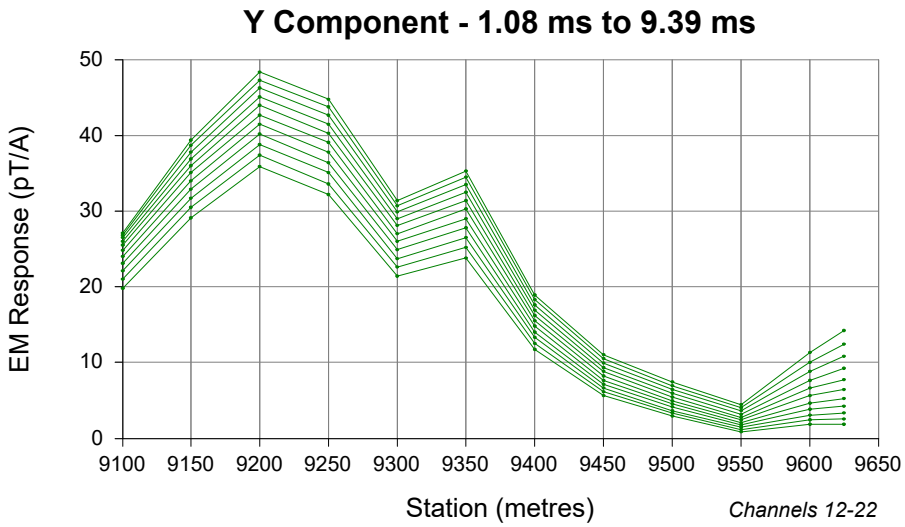
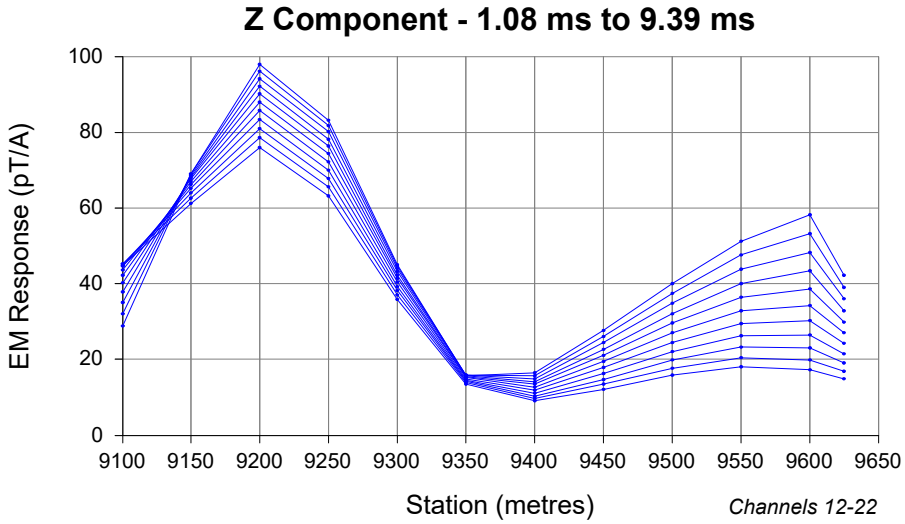








SURVEY PARAMETERS

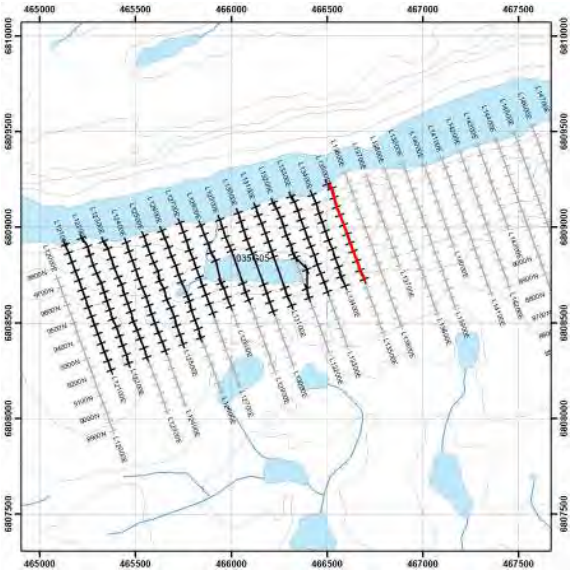
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 13500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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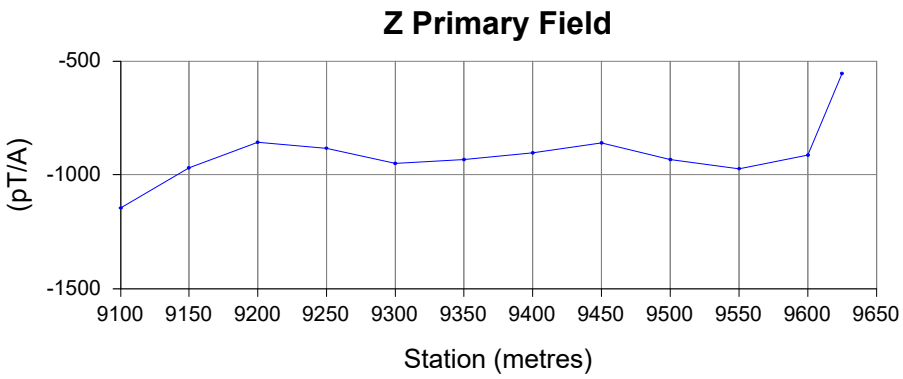
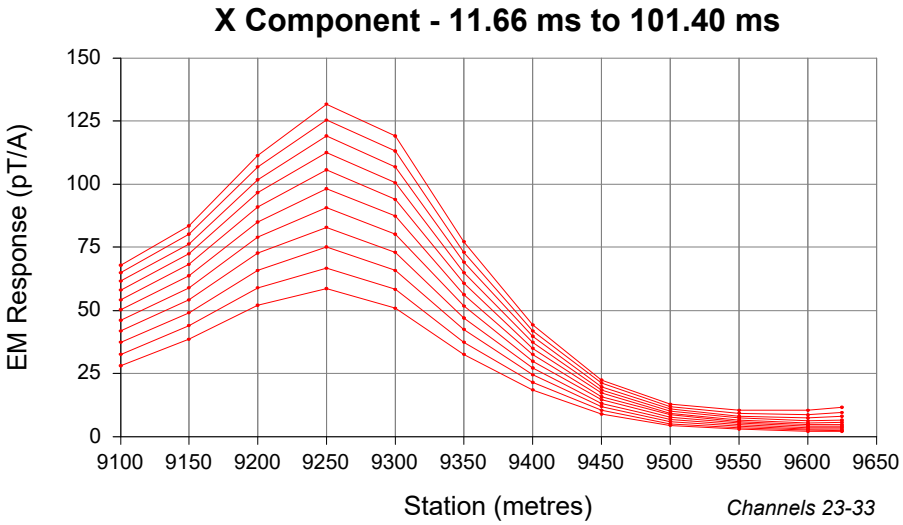
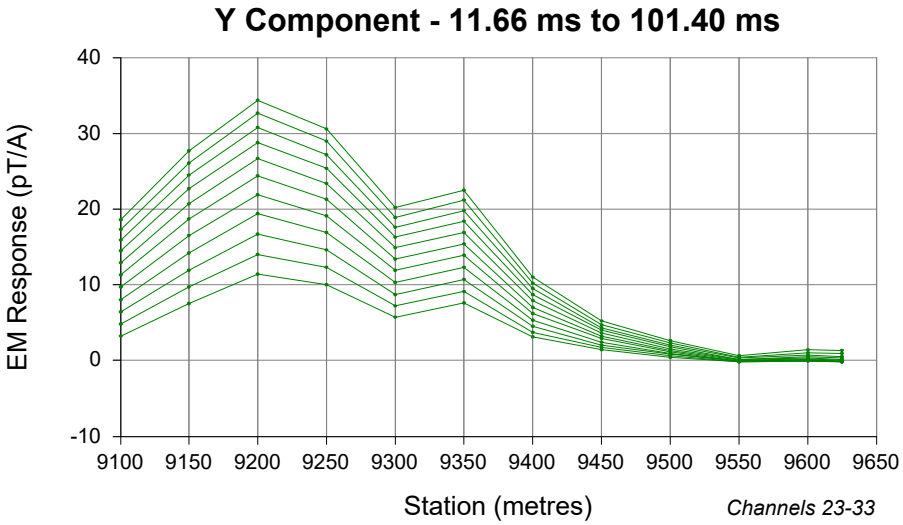
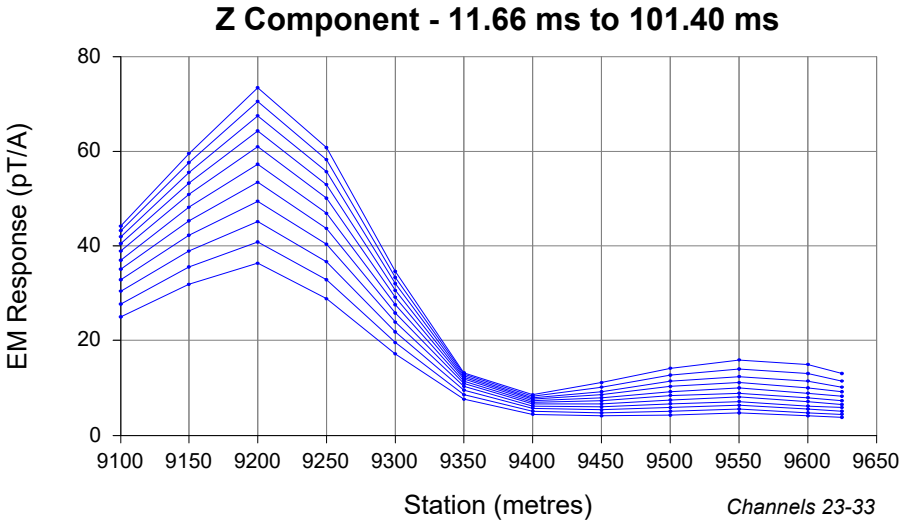








SURVEY PARAMETERS

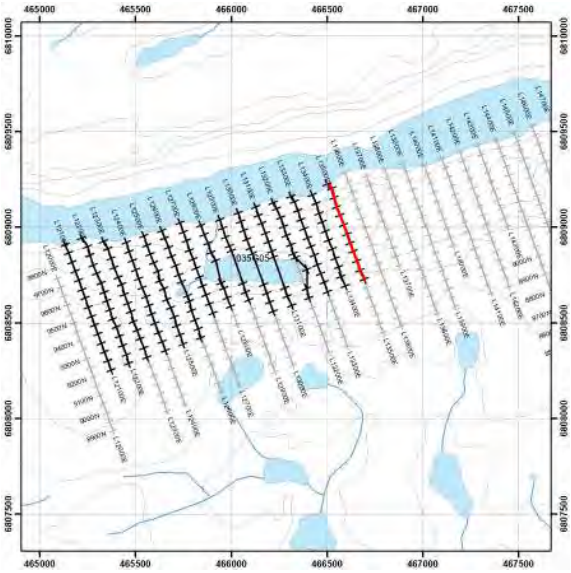
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

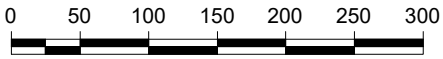
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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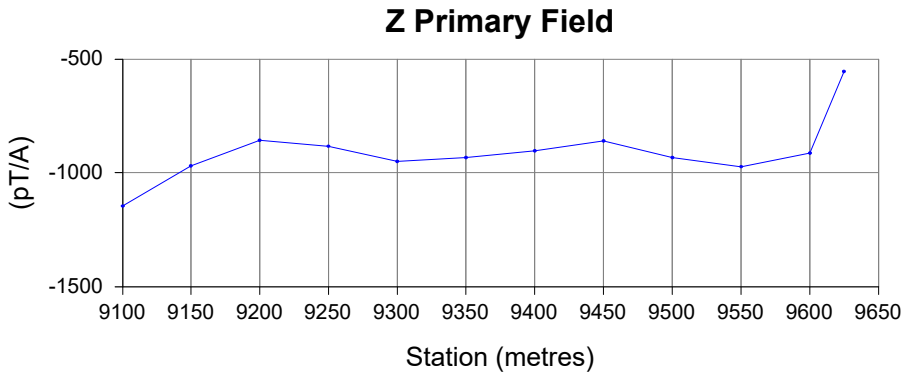
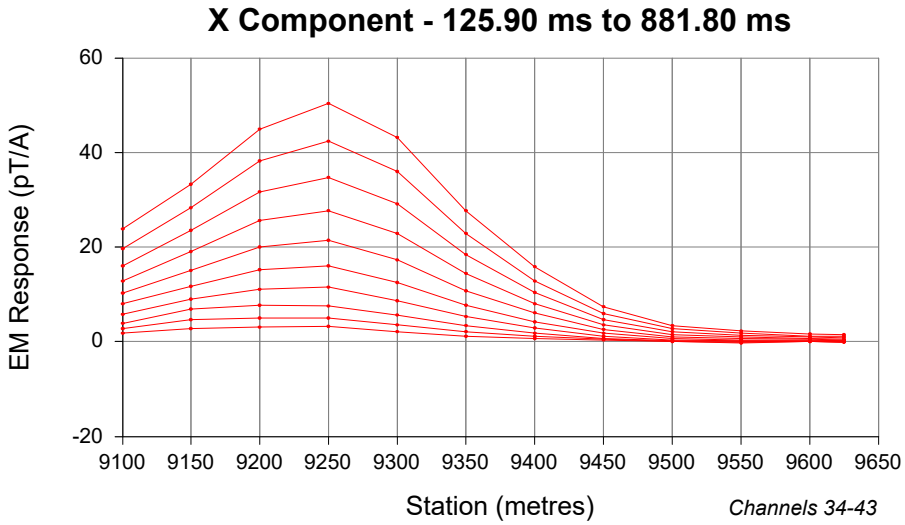
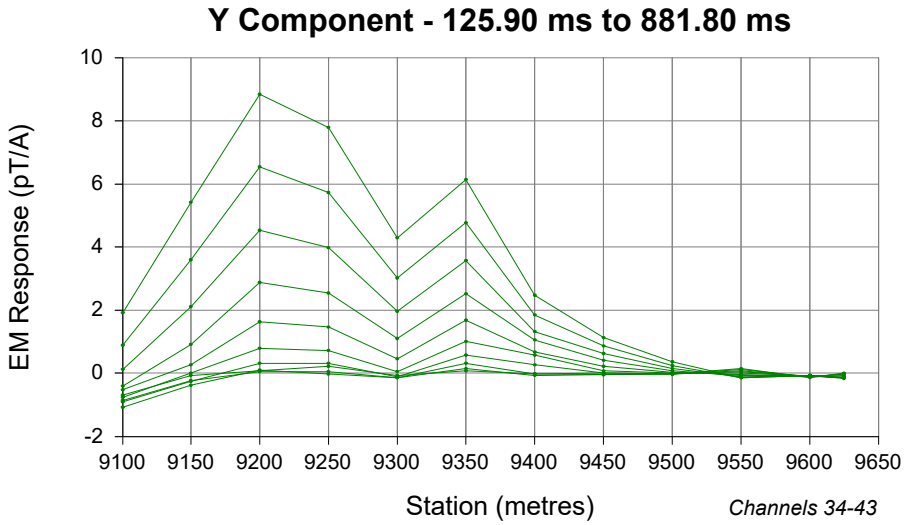
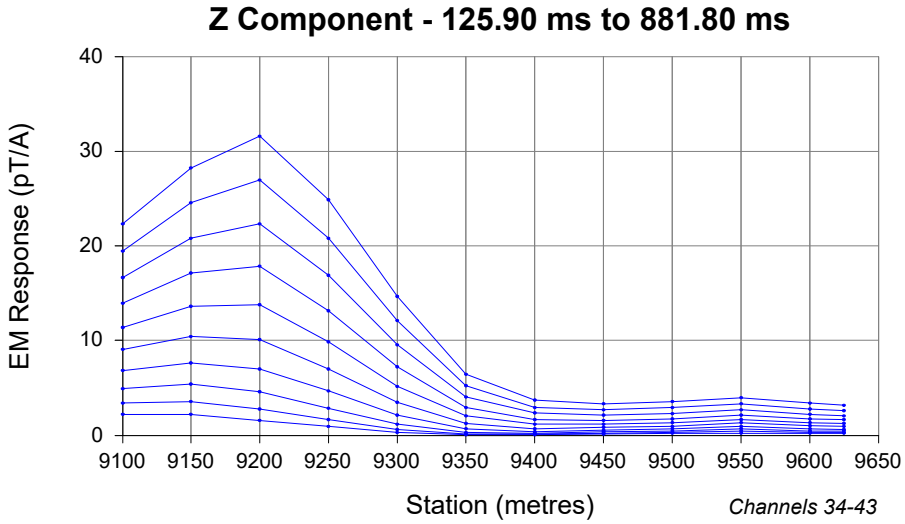








SURVEY PARAMETERS

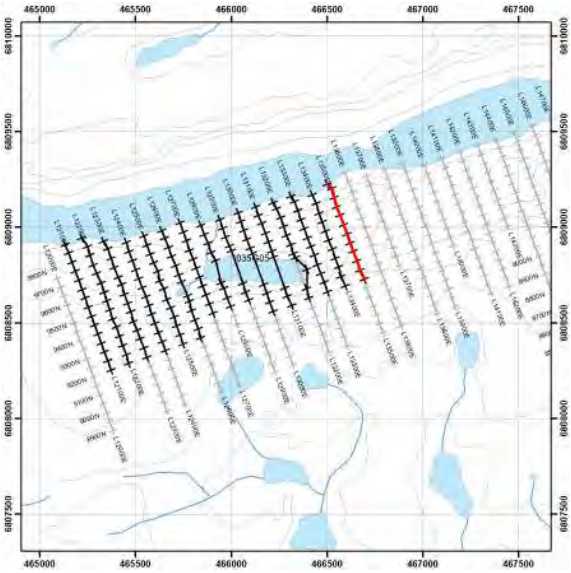
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

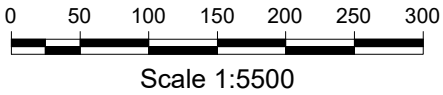
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





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Line 13500E

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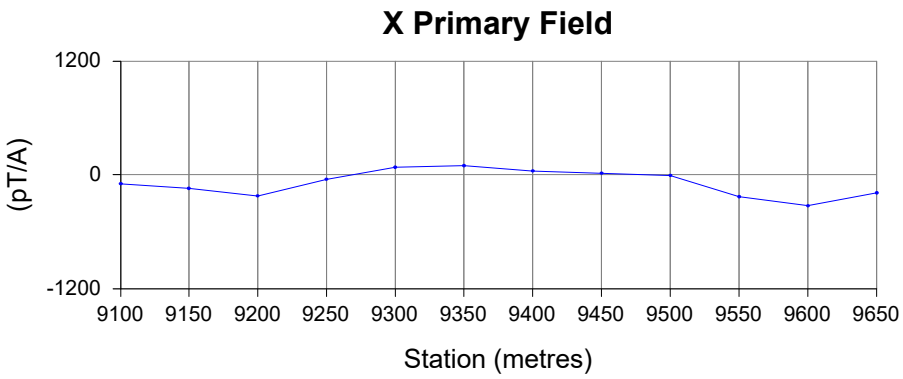
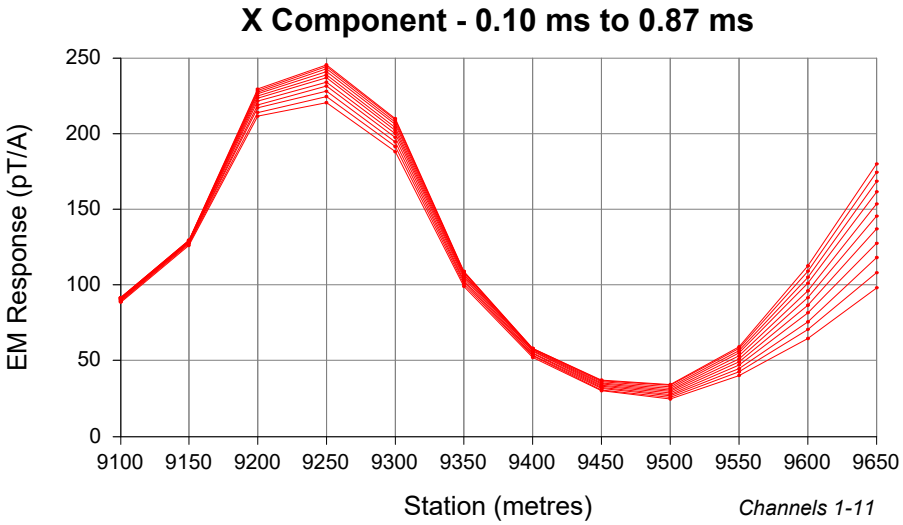
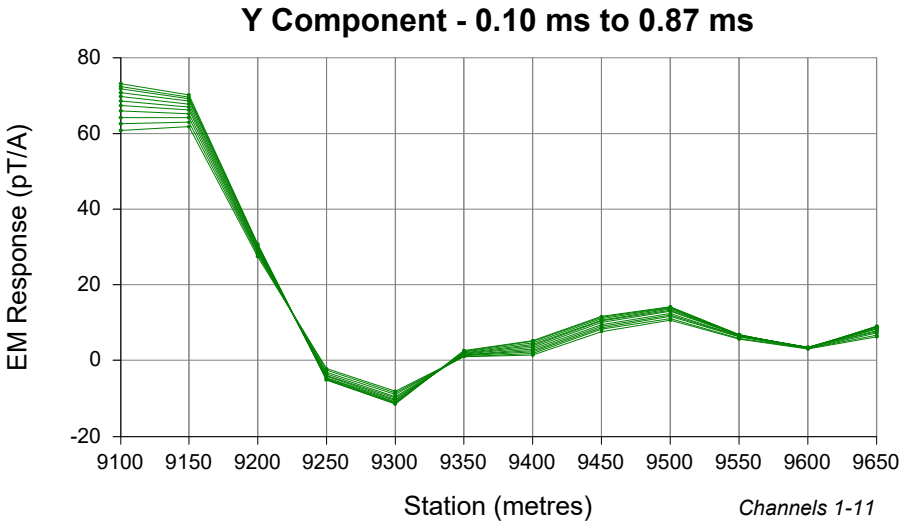
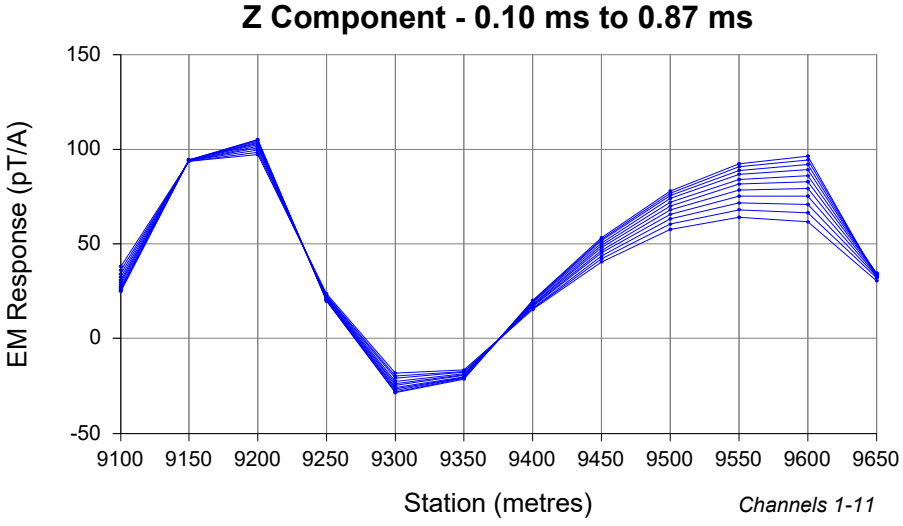








SURVEY PARAMETERS

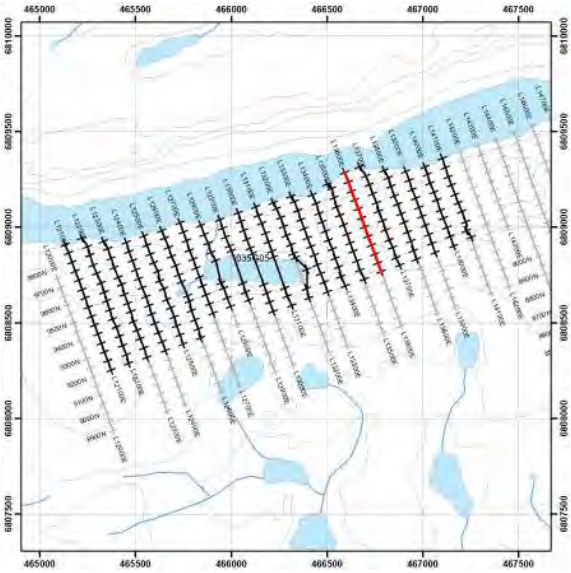
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

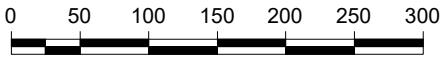
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5500

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Slingram Survey

Line 13600E

Surveyed By: Joseph Cook
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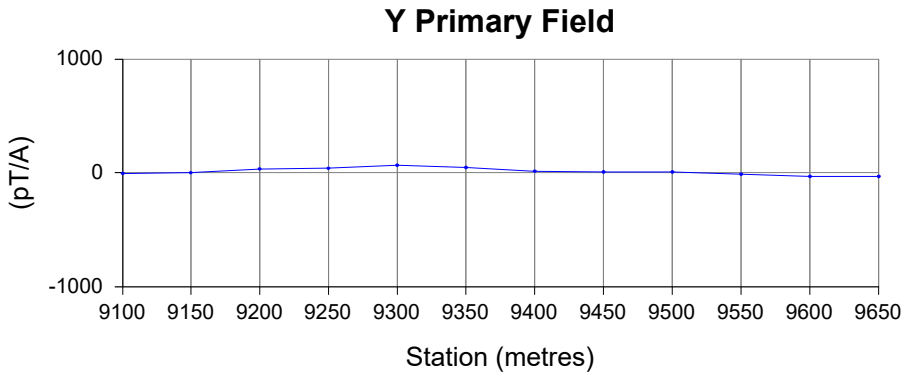
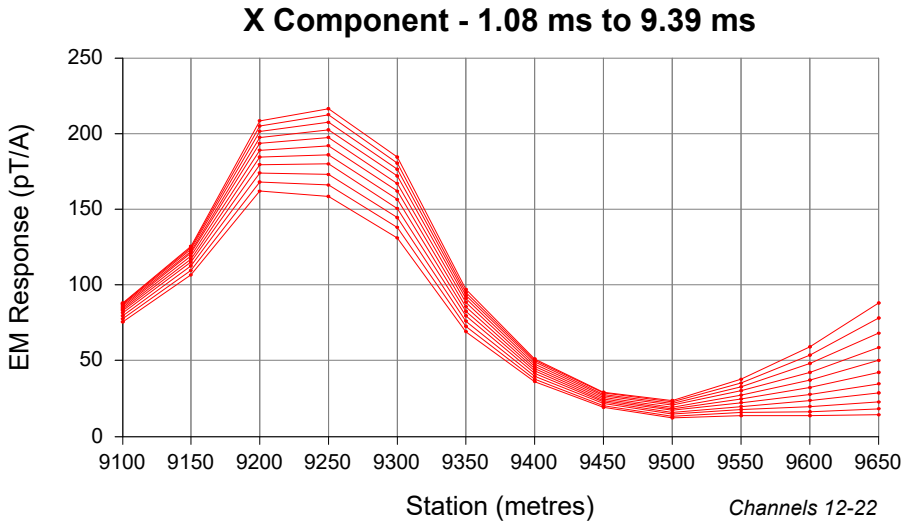
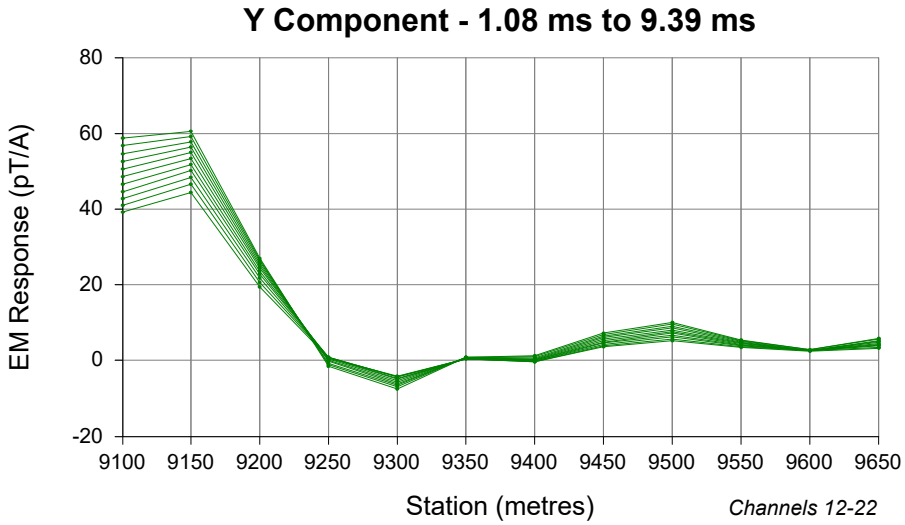
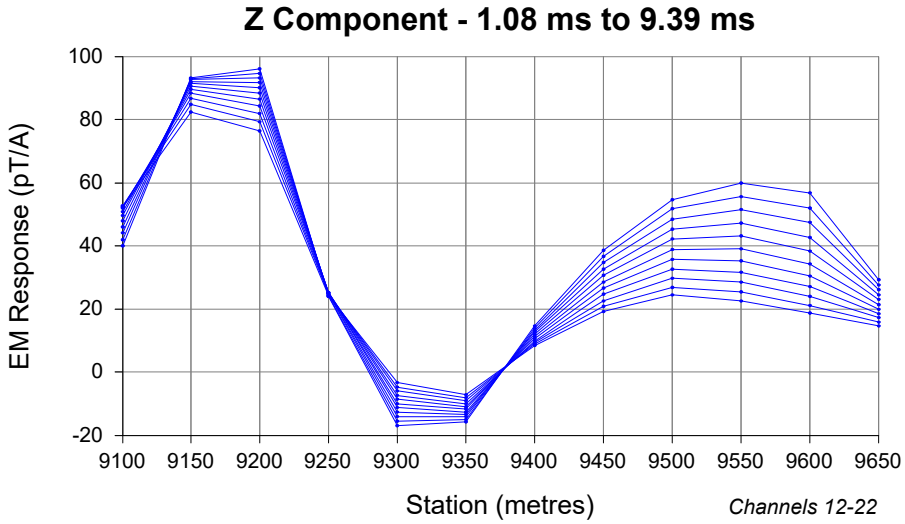








SURVEY PARAMETERS

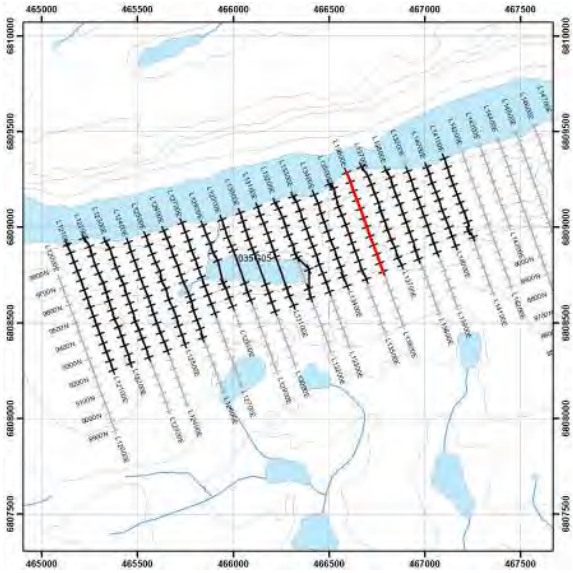
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13600E

Surveyed By: Joseph Cook
Survey Date: August 2021

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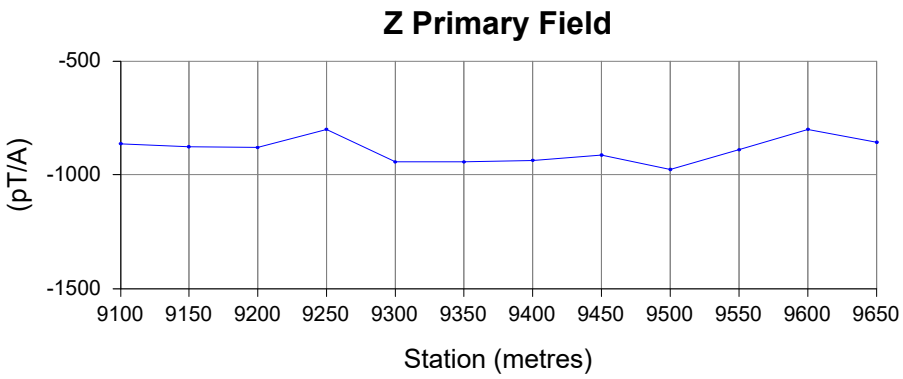
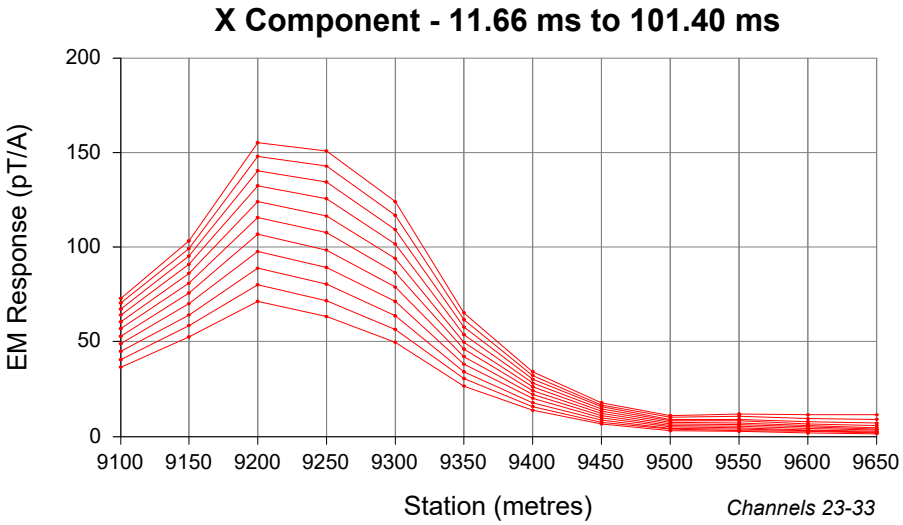
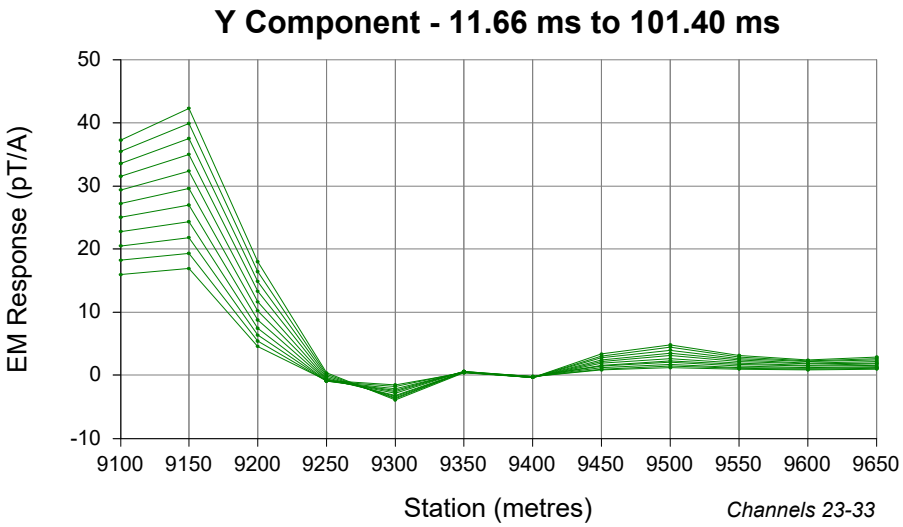
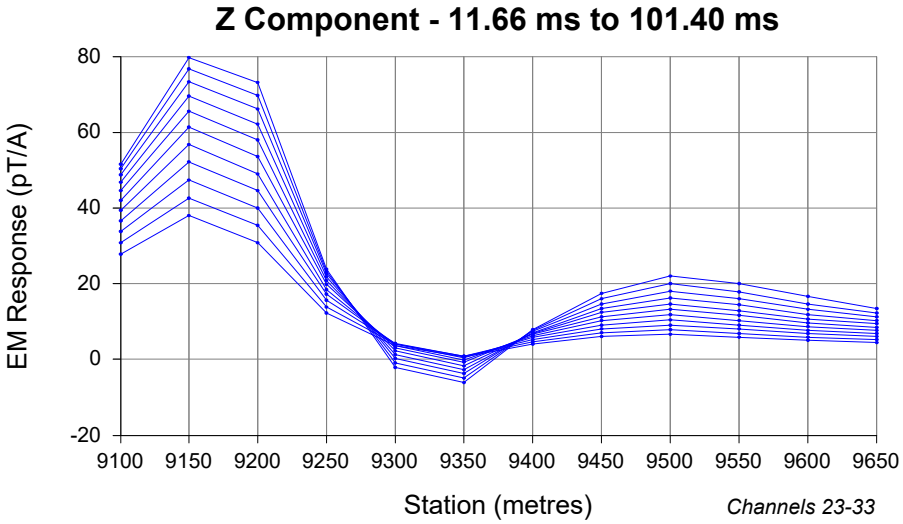








SURVEY PARAMETERS

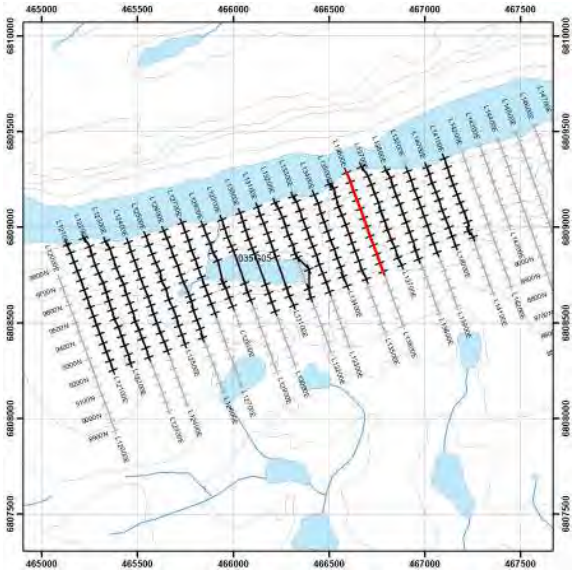
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
West Raglan Project
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Slingram Survey

Line 13600E

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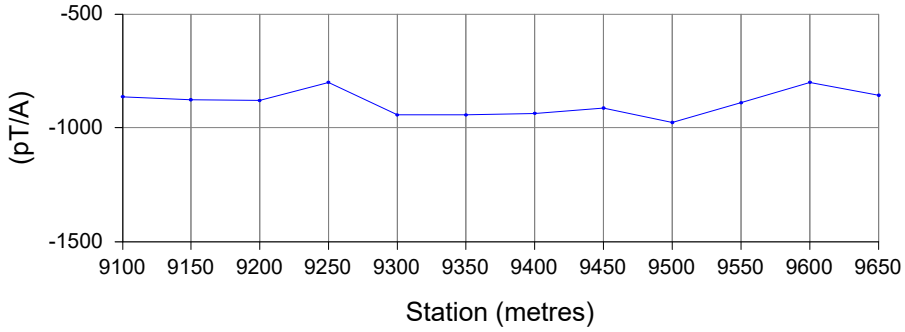
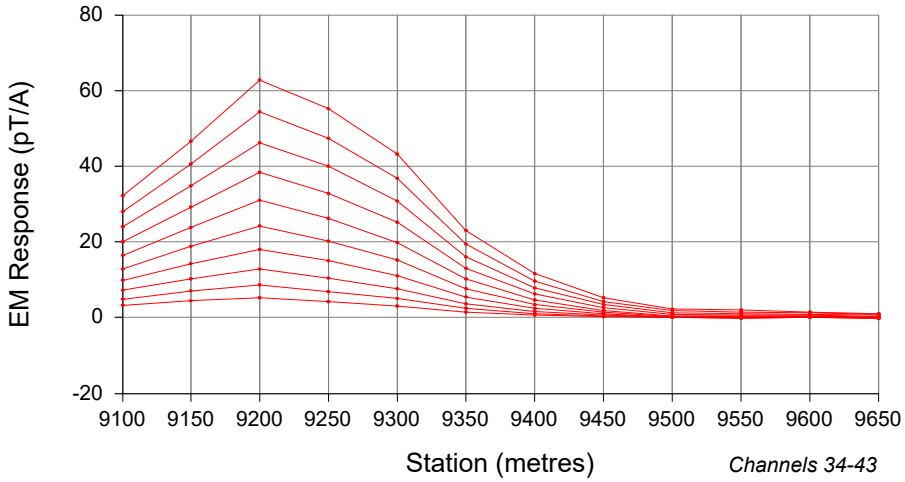
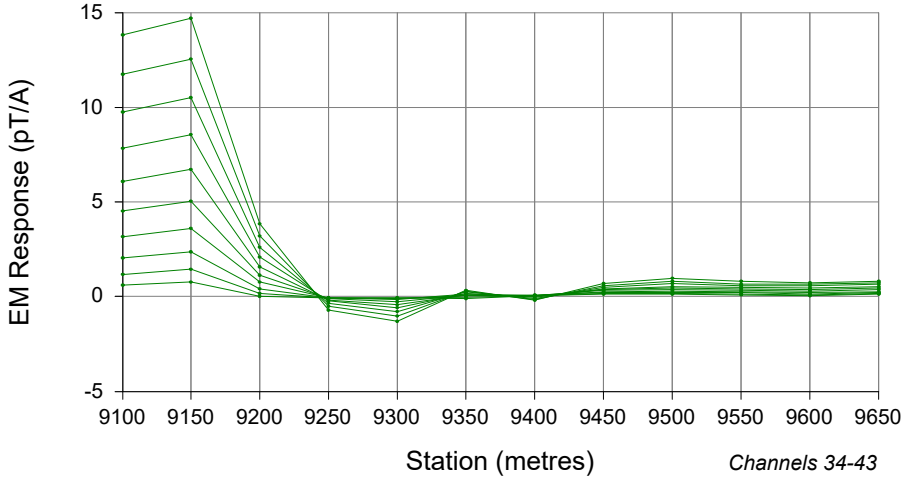
Z Primary Field



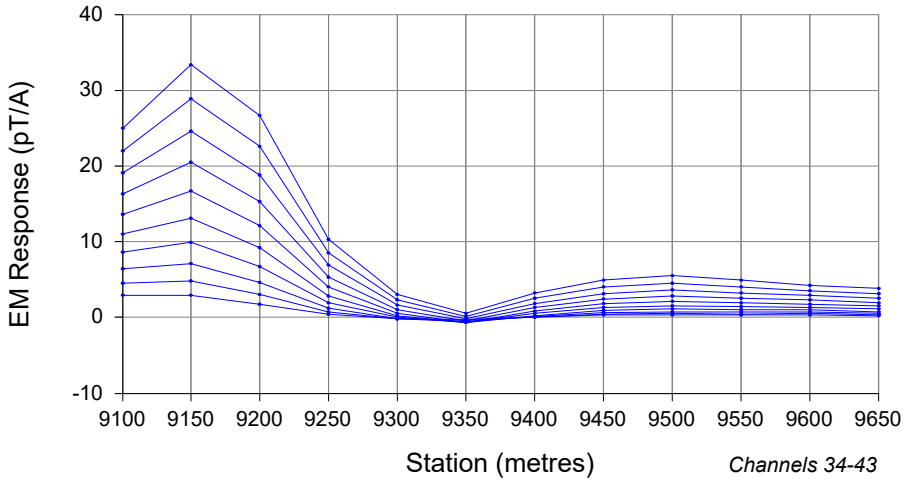
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

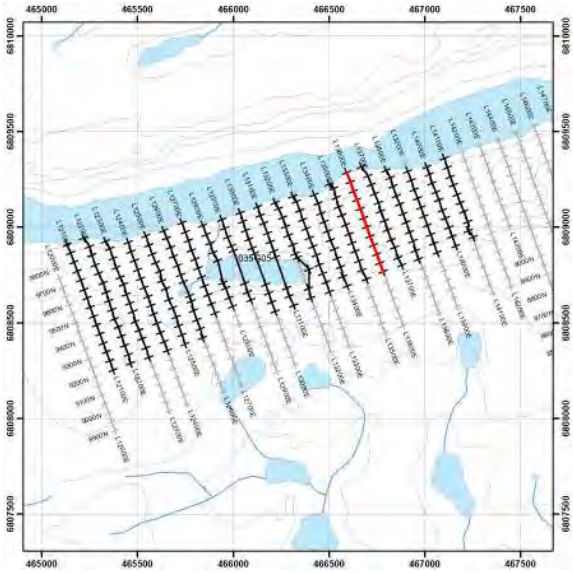
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

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Supracon Jessy HT SQUID
Slingram Survey

Line 13600E

Surveyed By: Joseph Cook
Survey Date: August 2021

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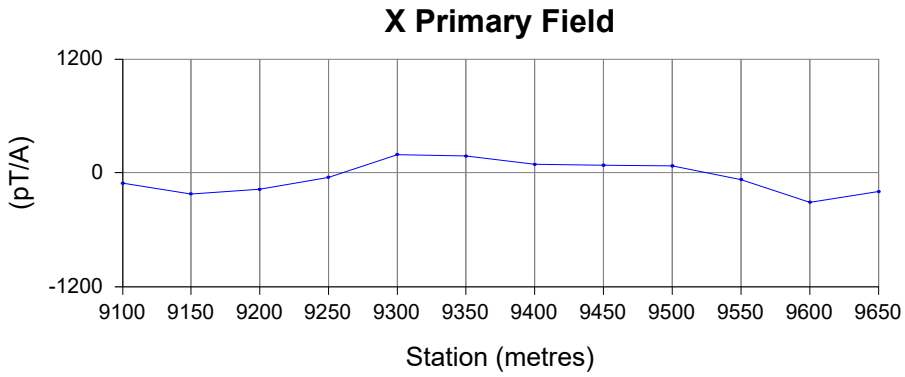
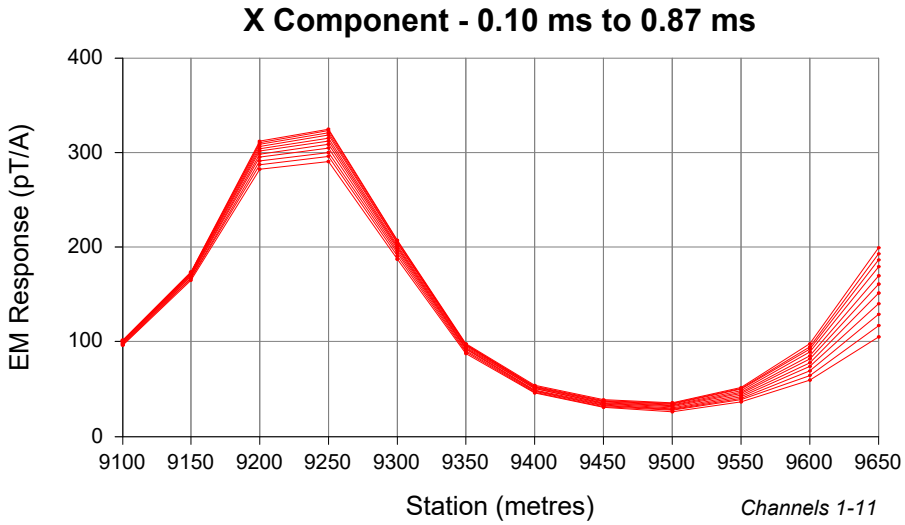
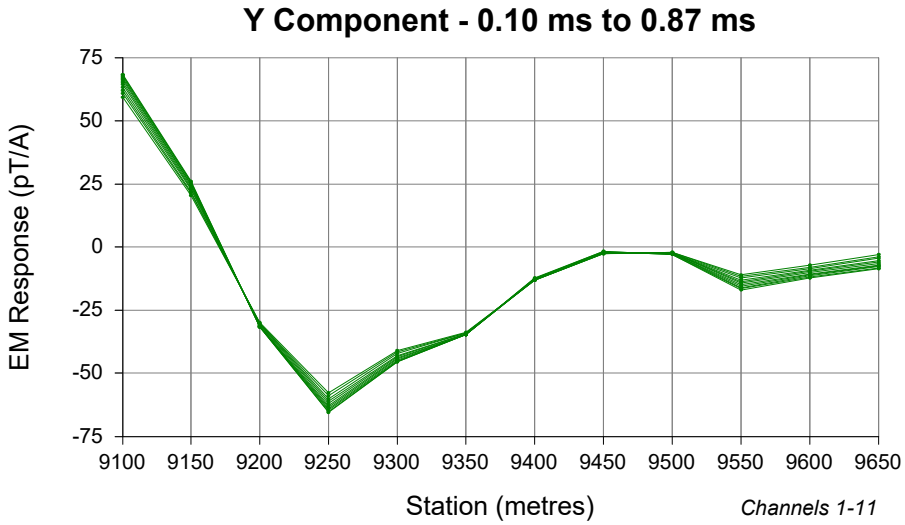
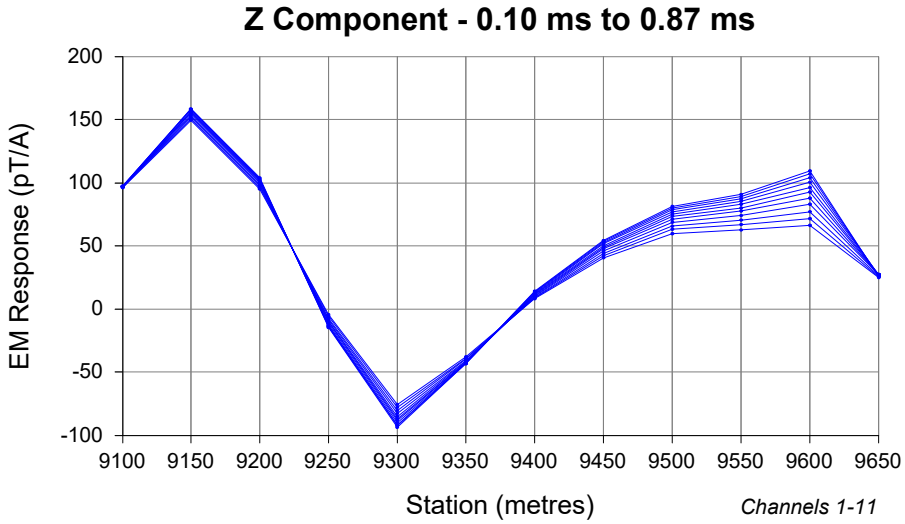








SURVEY PARAMETERS

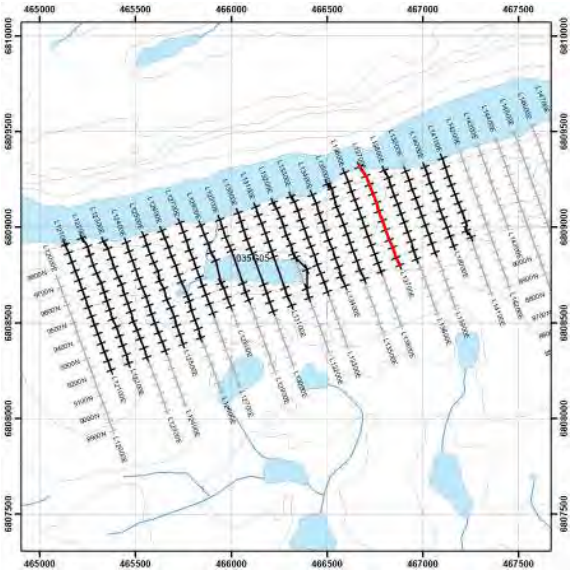
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

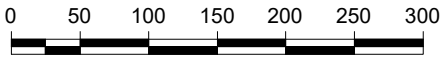
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





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Line 13700E

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Survey Date: August 2021

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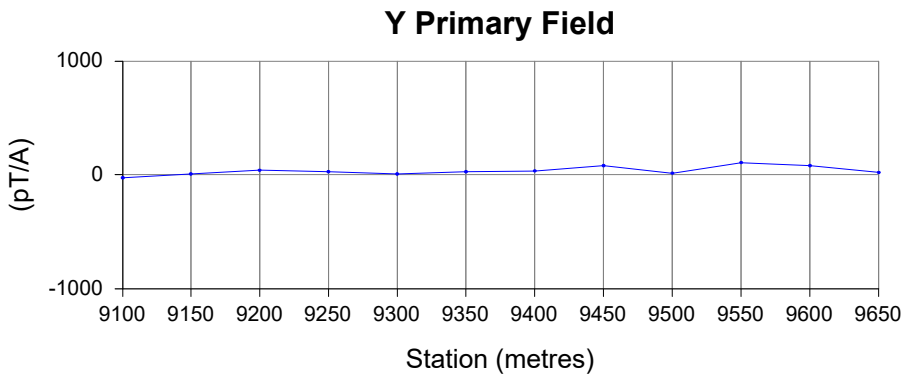
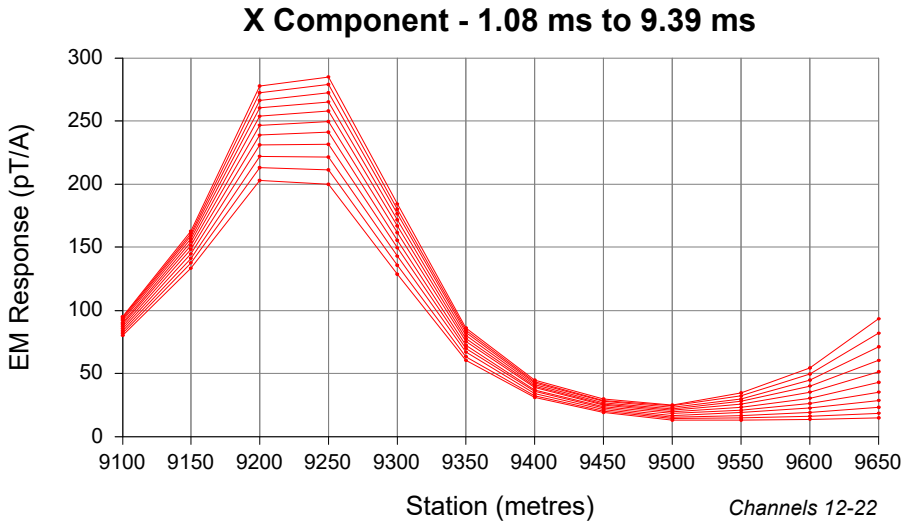
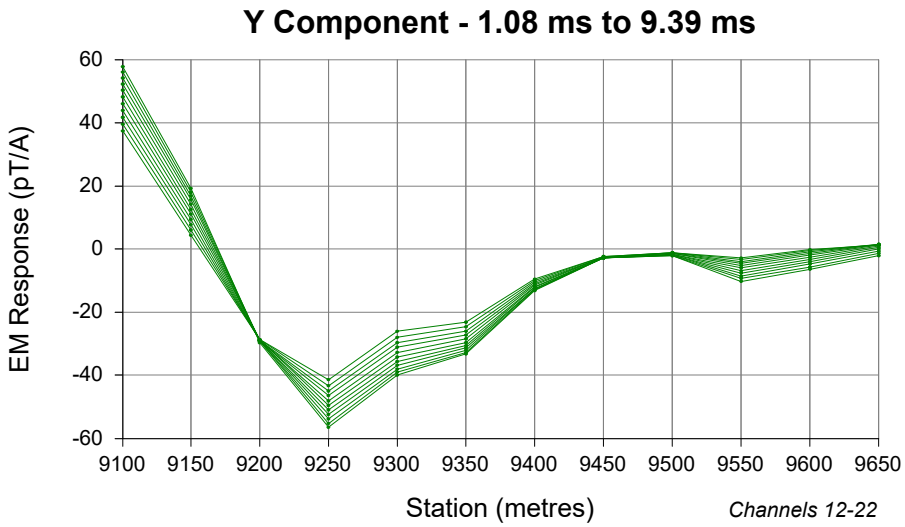
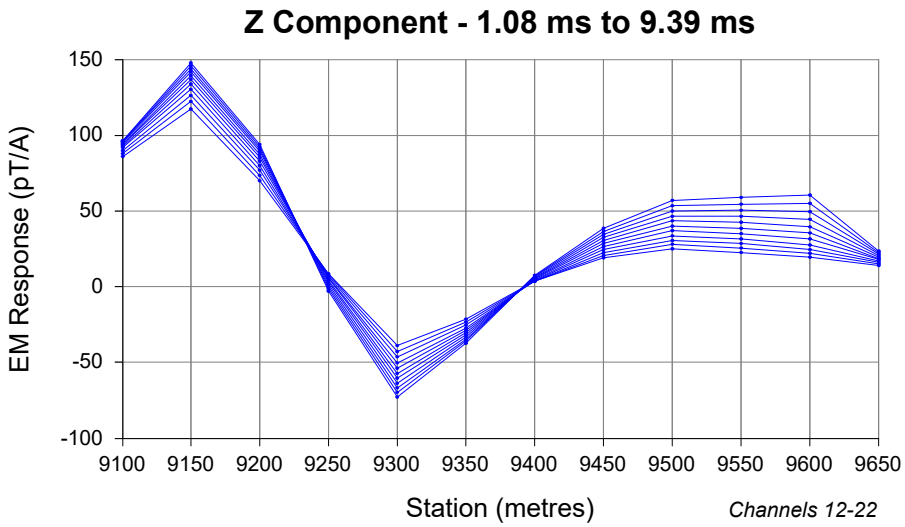








SURVEY PARAMETERS

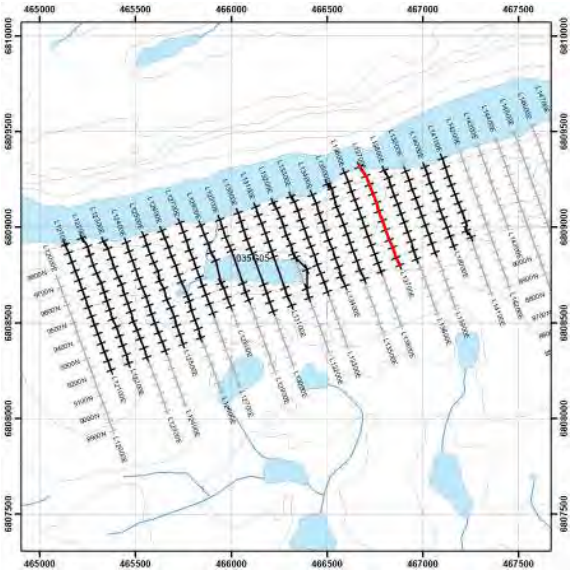
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

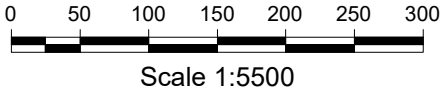
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





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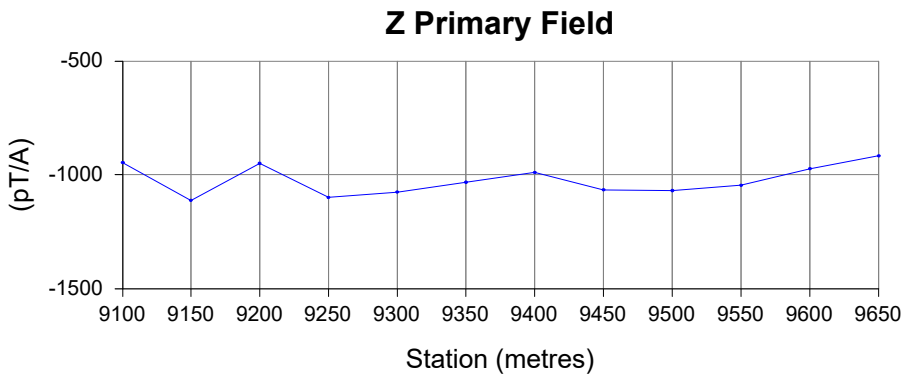
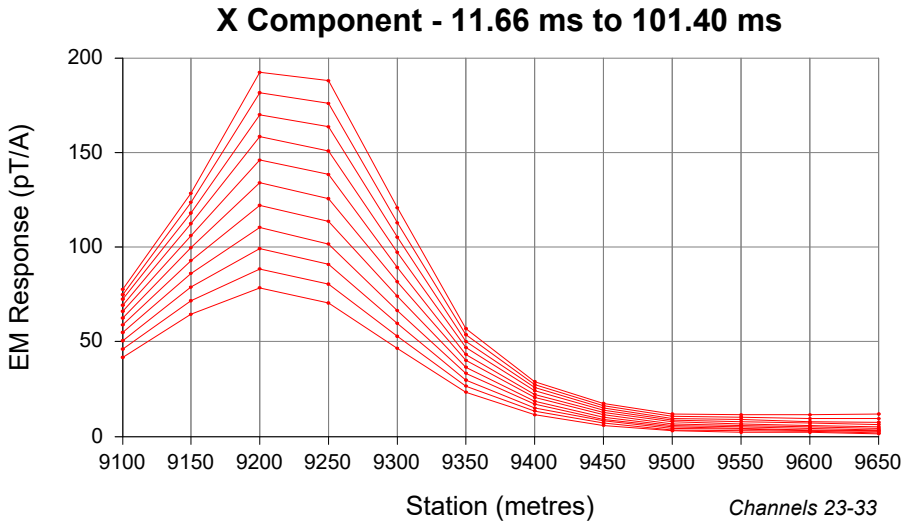
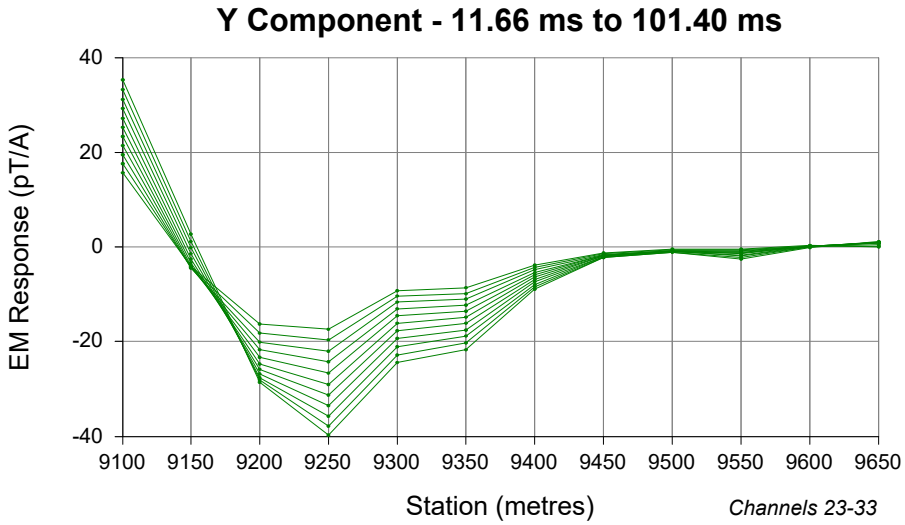
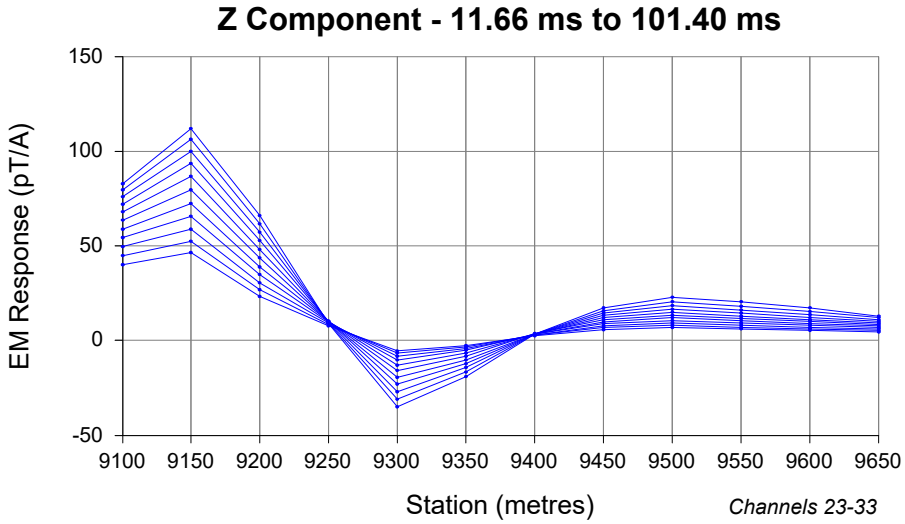








SURVEY PARAMETERS

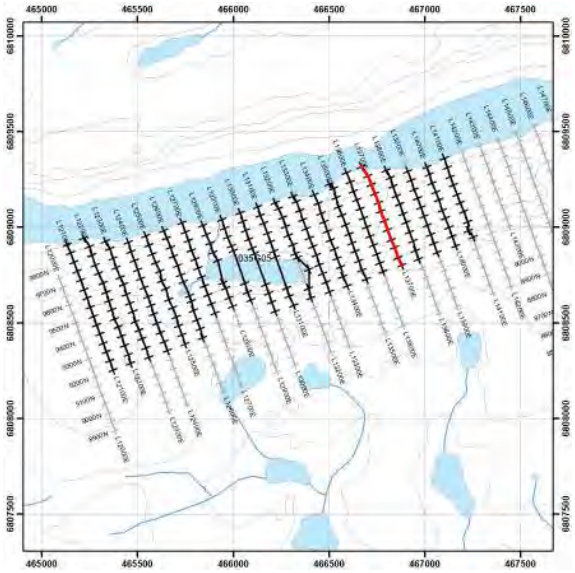
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13700E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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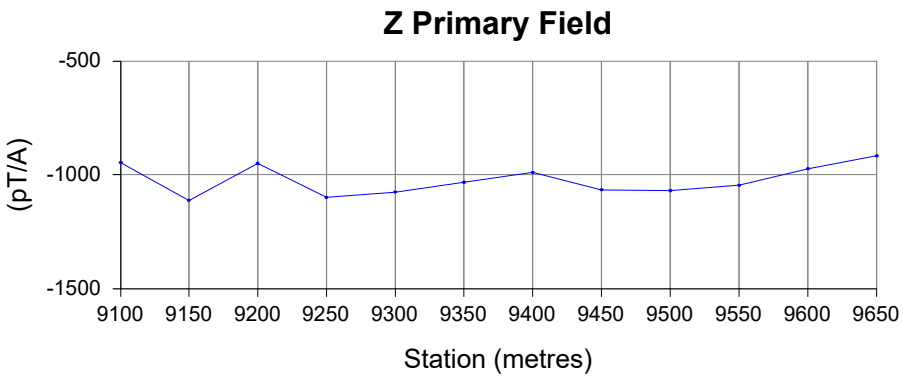
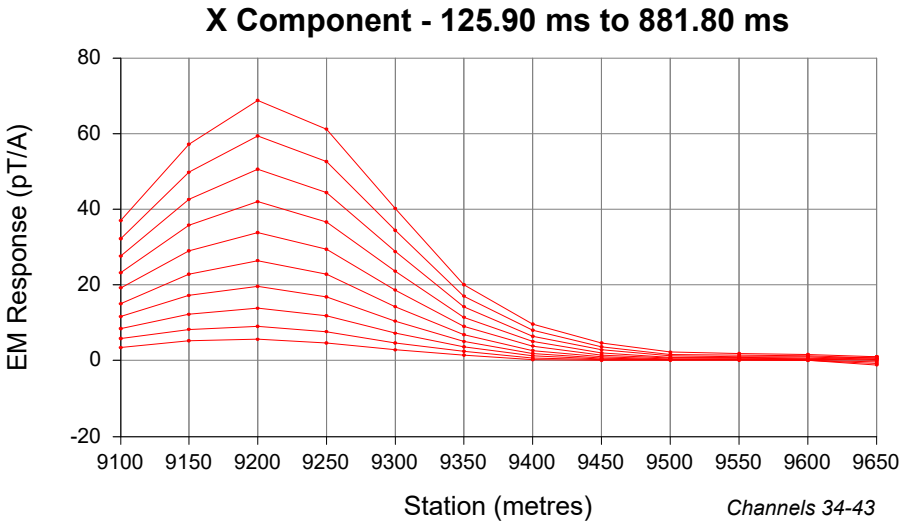
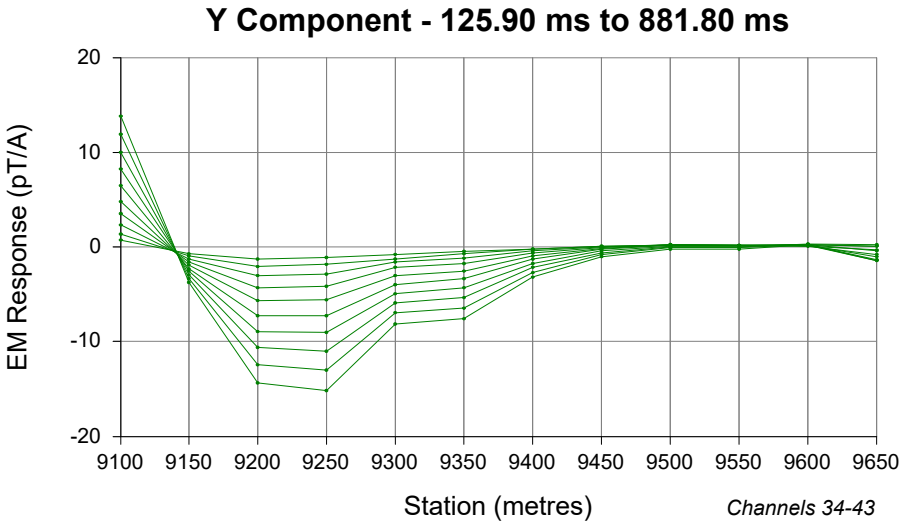
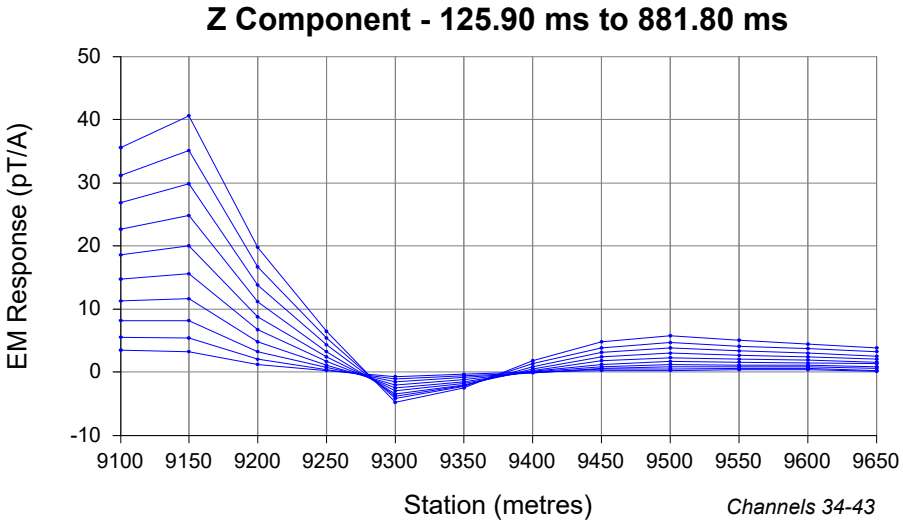








SURVEY PARAMETERS

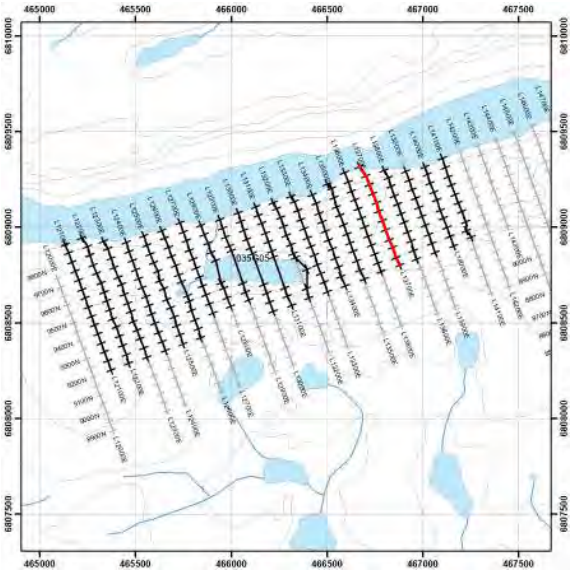
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

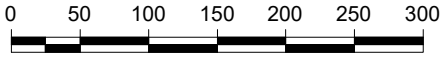
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5500

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Slingram Survey

Line 13700E

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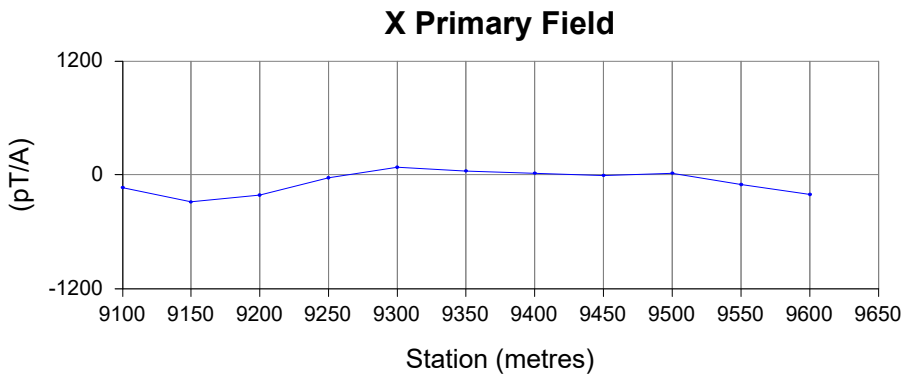
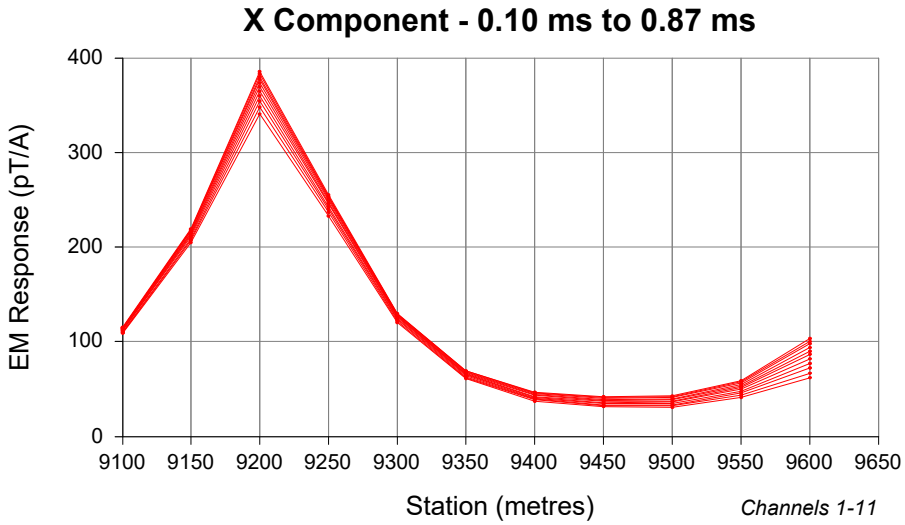
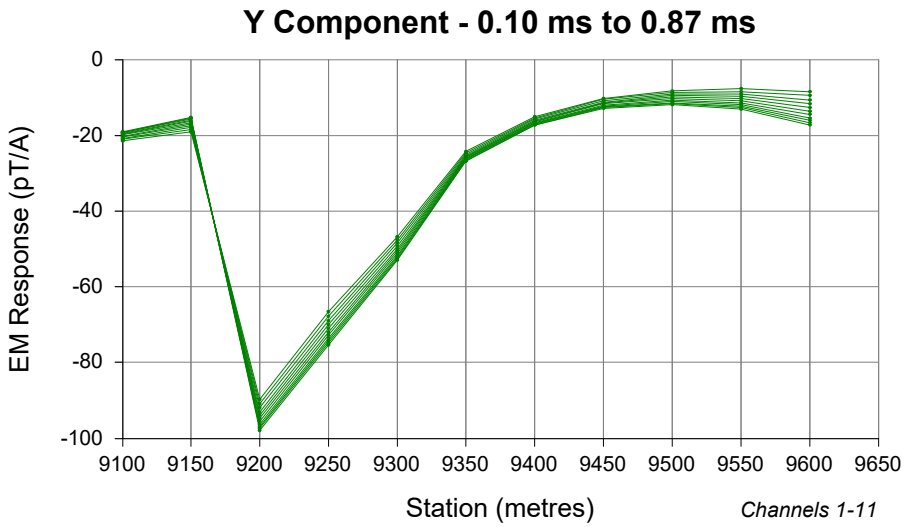
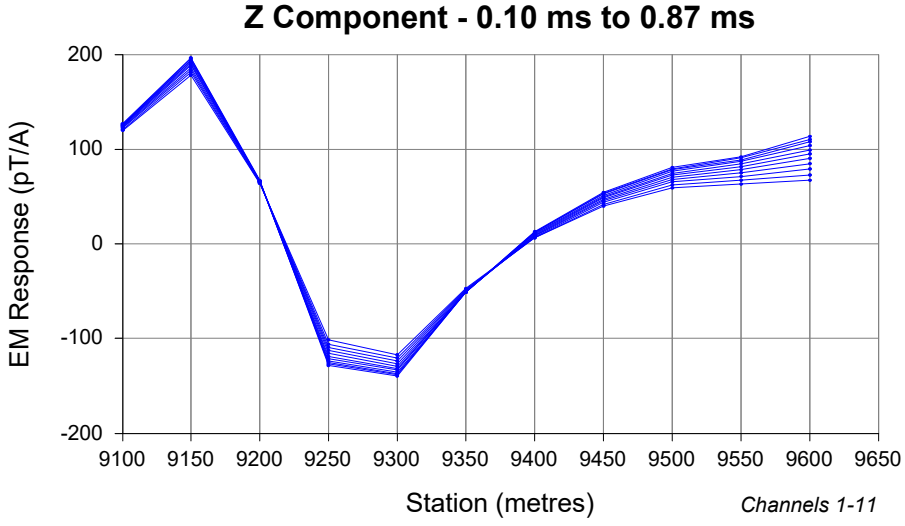








SURVEY PARAMETERS

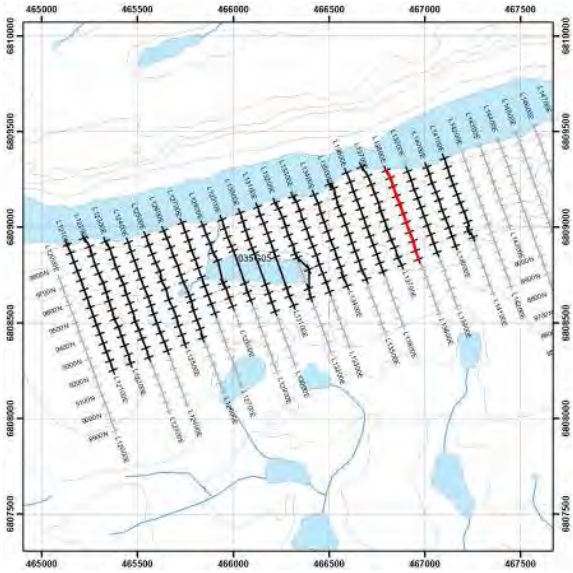
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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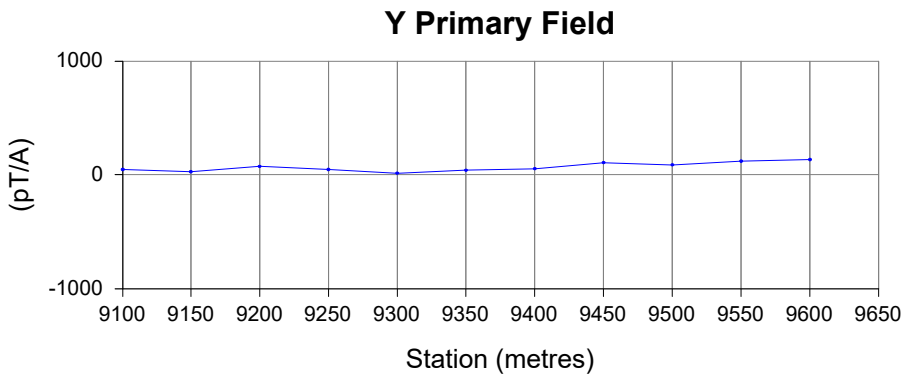
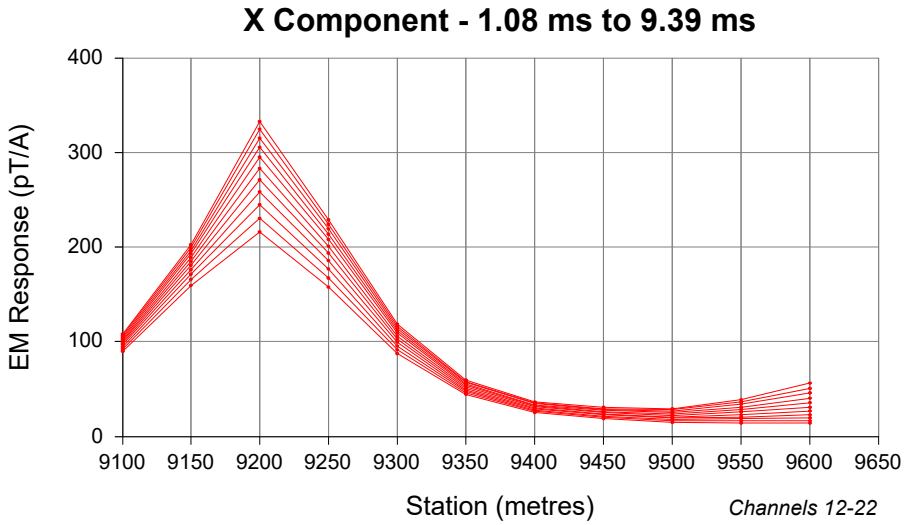
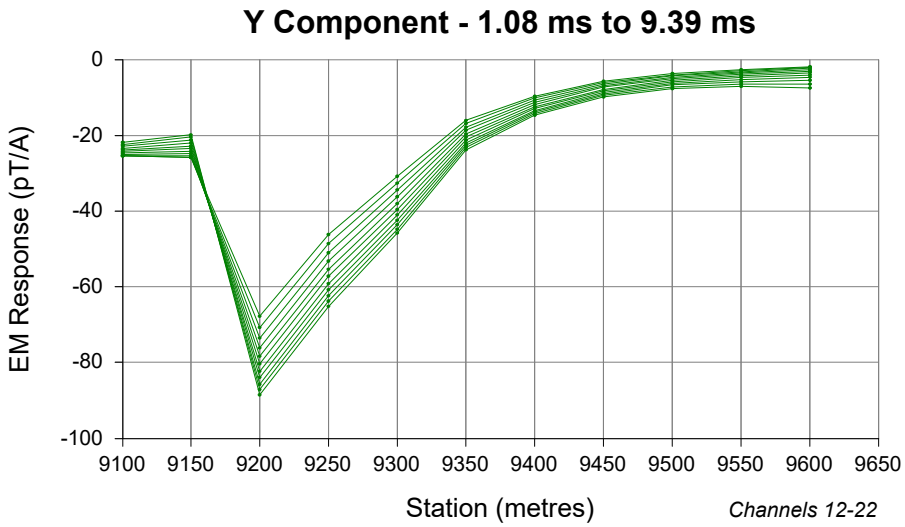
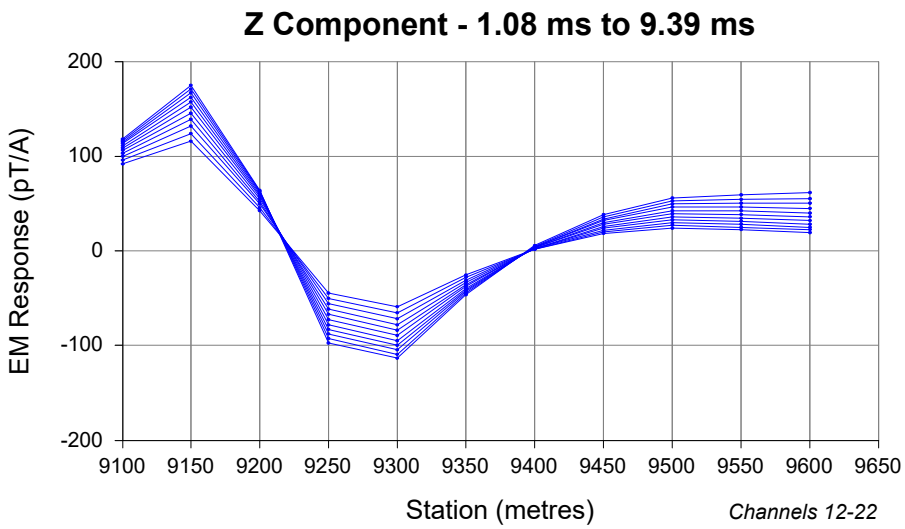








SURVEY PARAMETERS

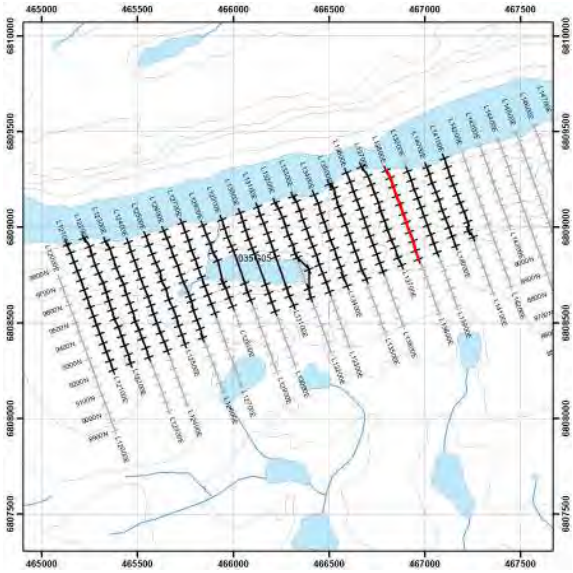
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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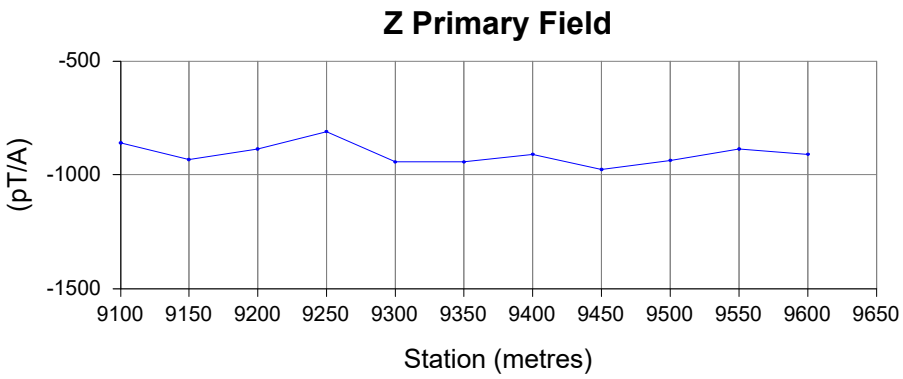
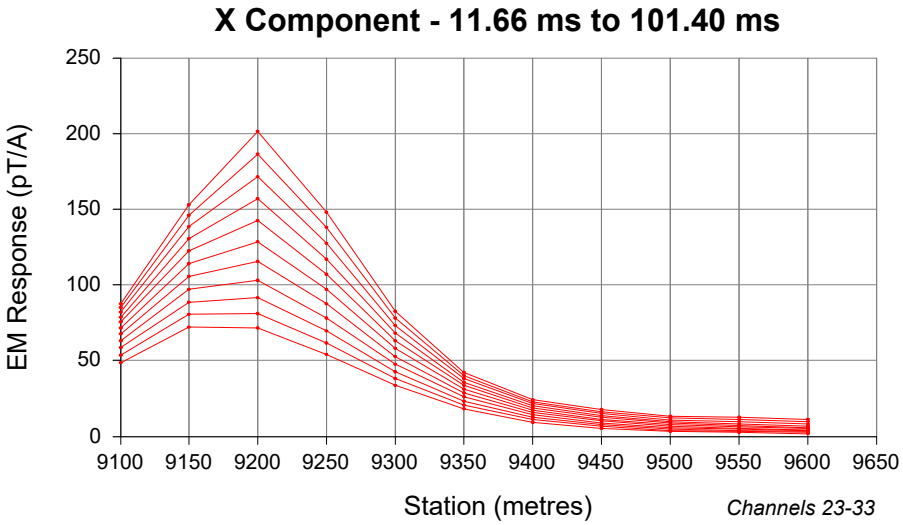
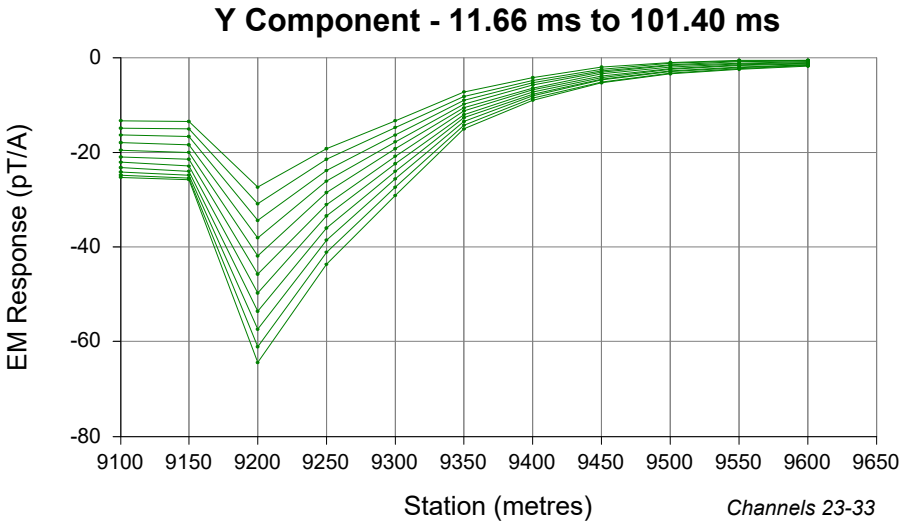
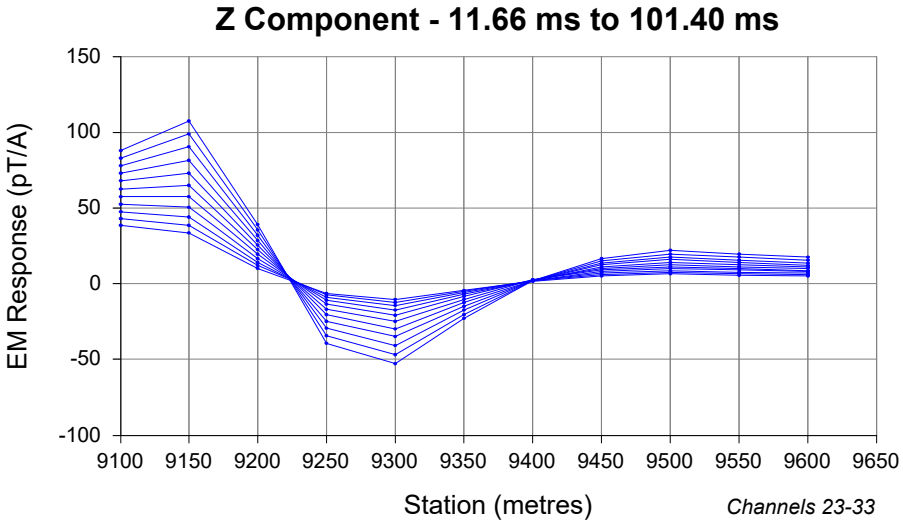








SURVEY PARAMETERS

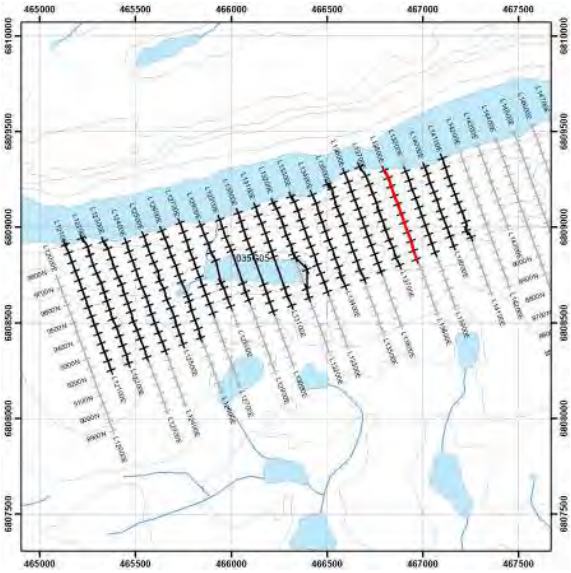
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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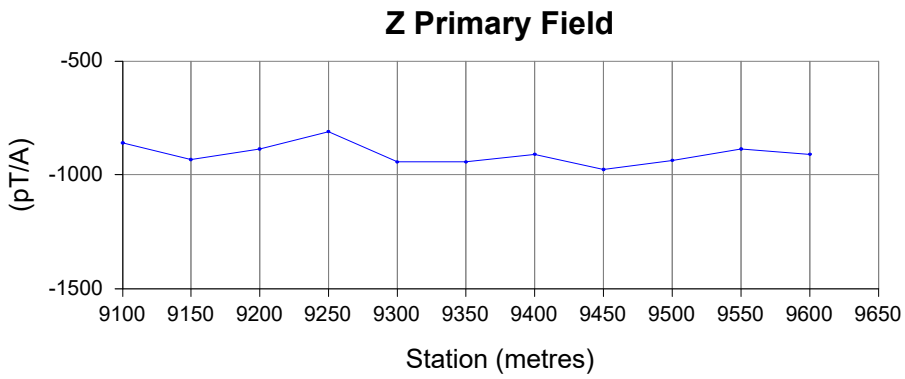
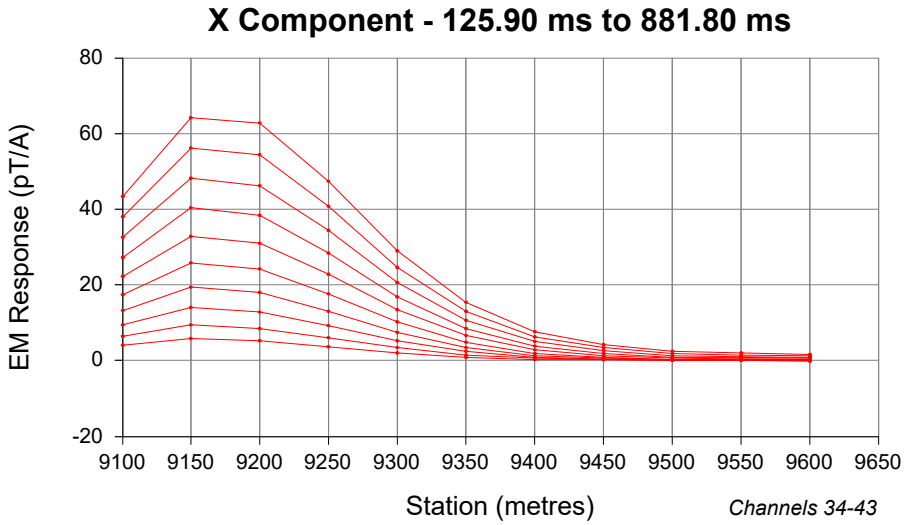
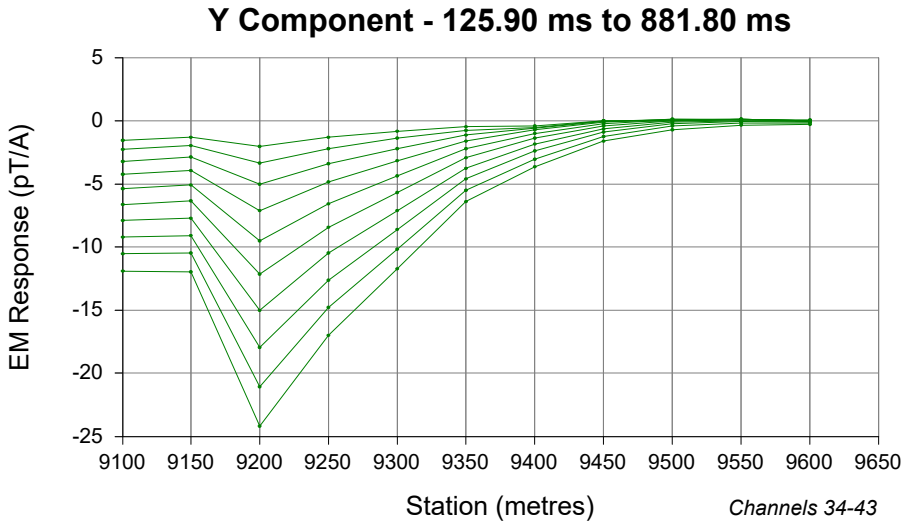
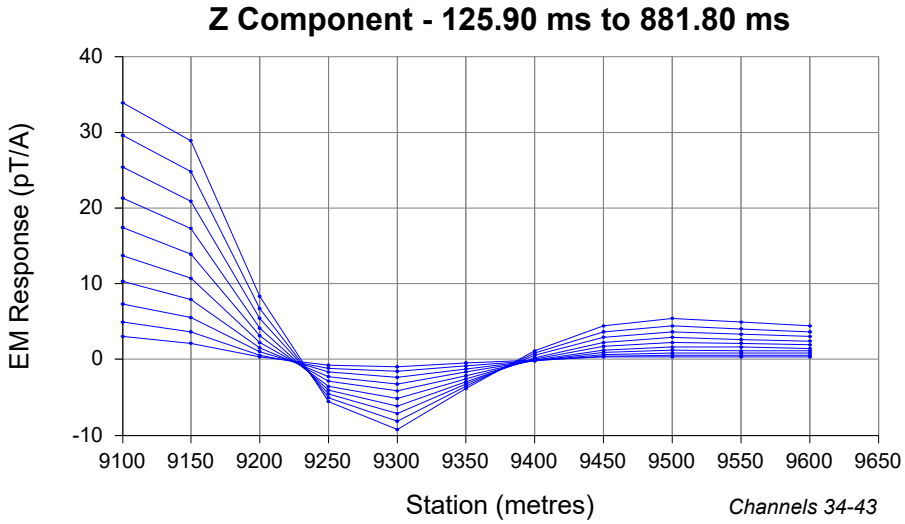








SURVEY PARAMETERS

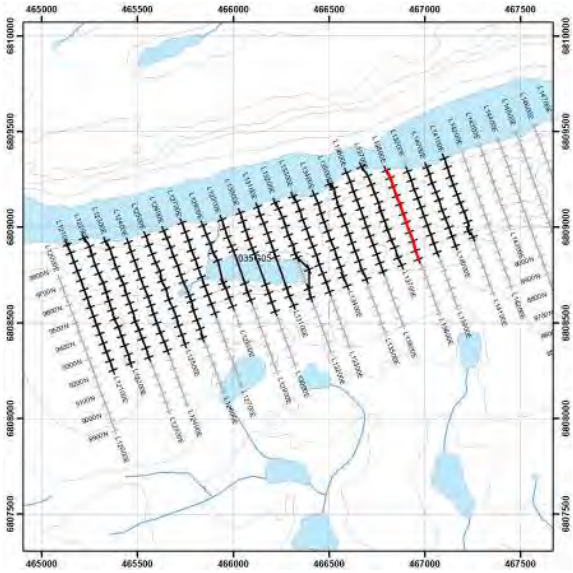
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

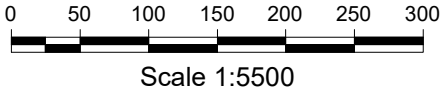
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5500

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Supracon Jessy HT SQUID
Slingram Survey

Line 13800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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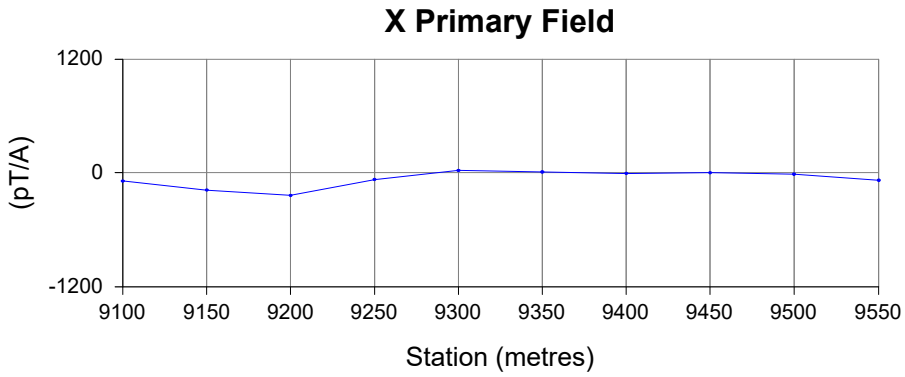
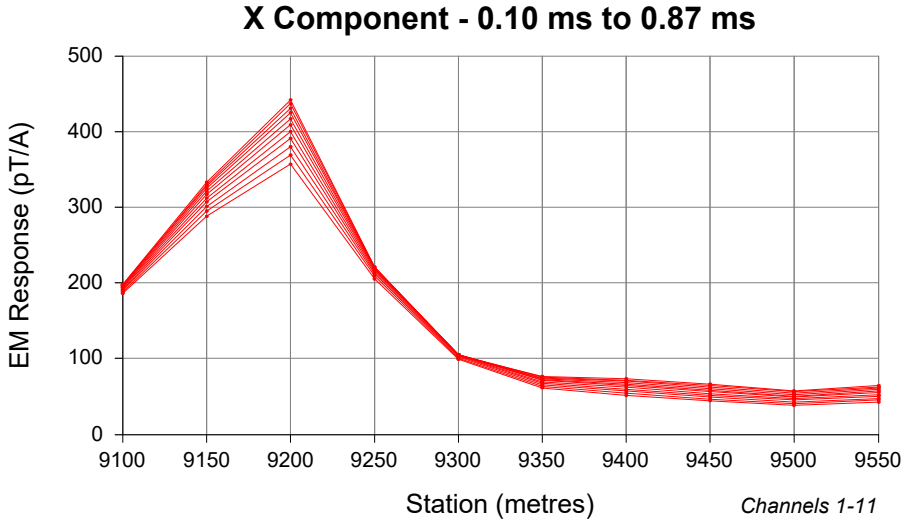
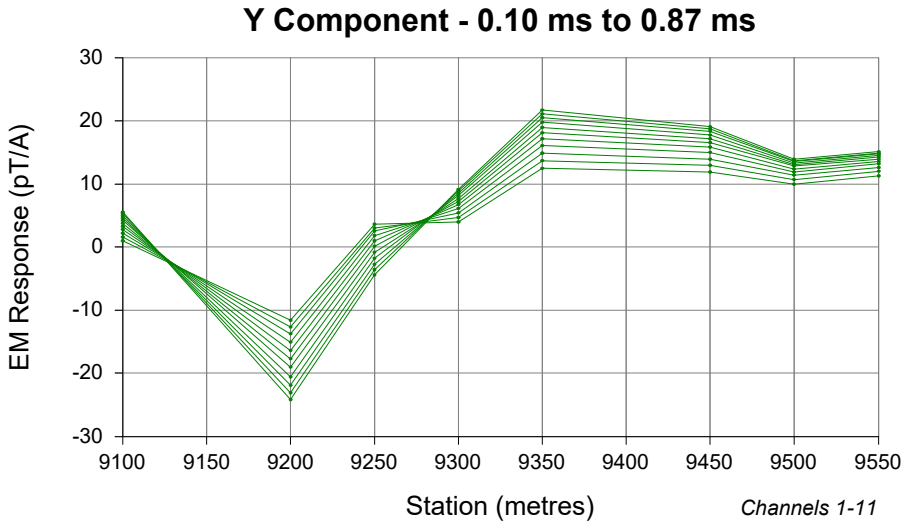
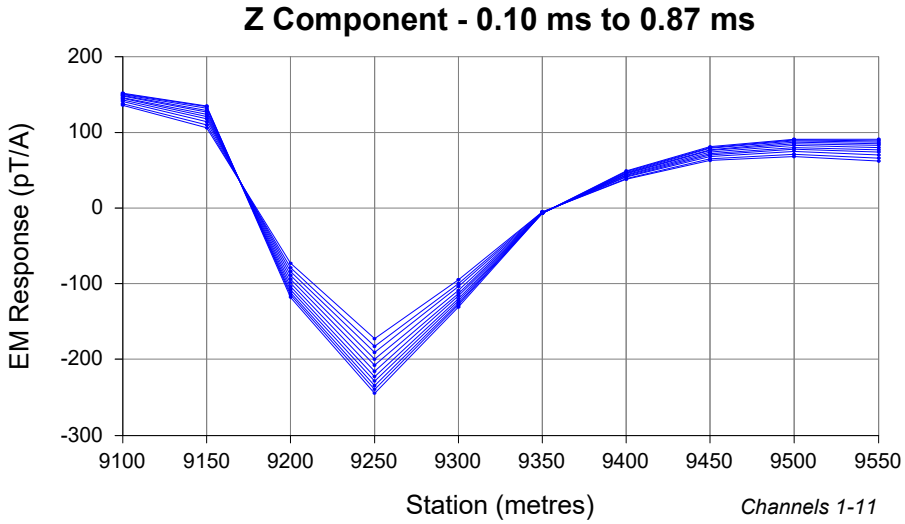








SURVEY PARAMETERS

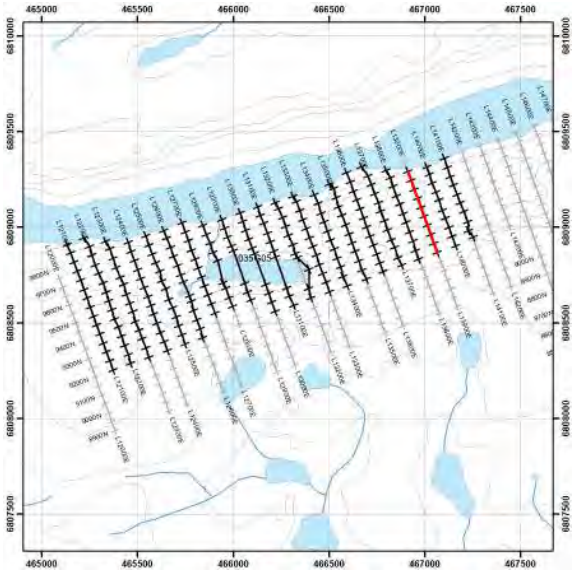
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 13900E

Surveyed By: Joseph Cook
Survey Date: August 2021

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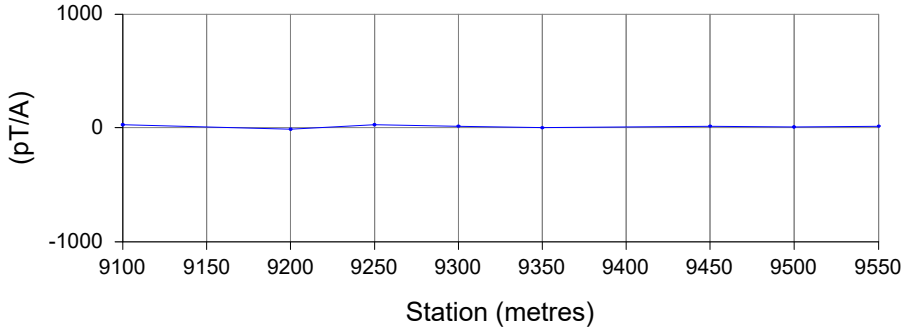
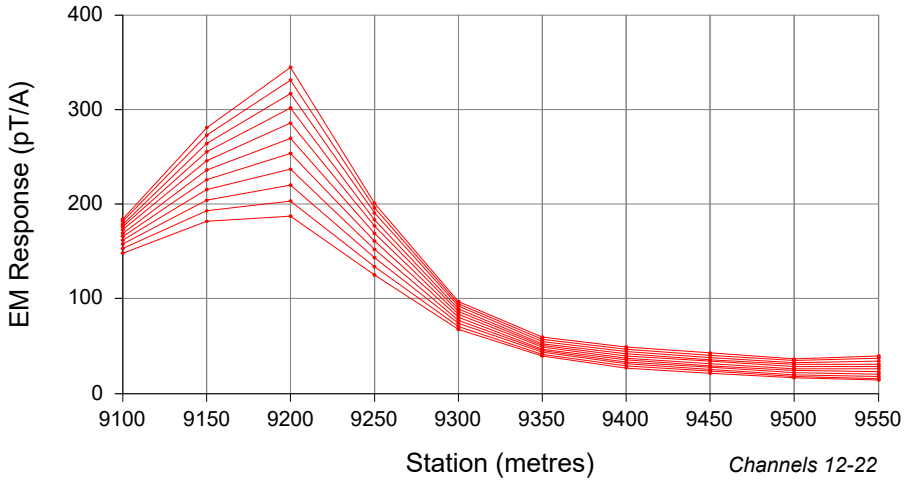
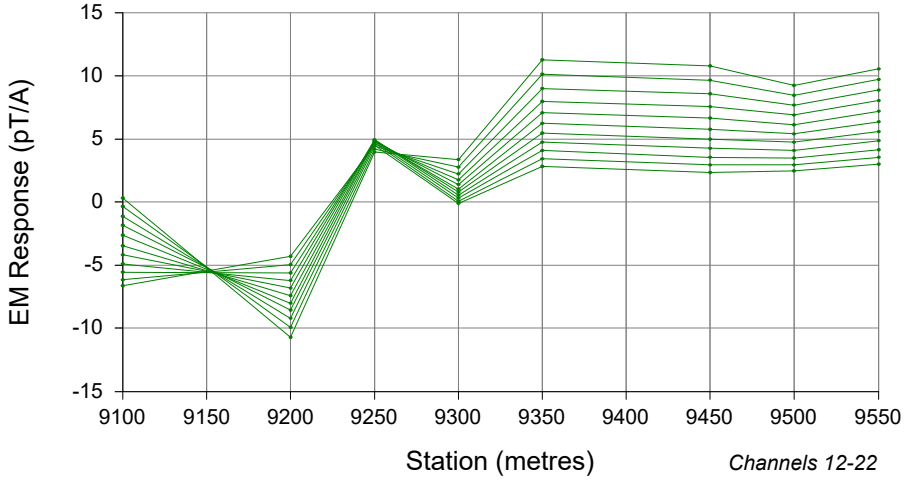
Y Primary Field



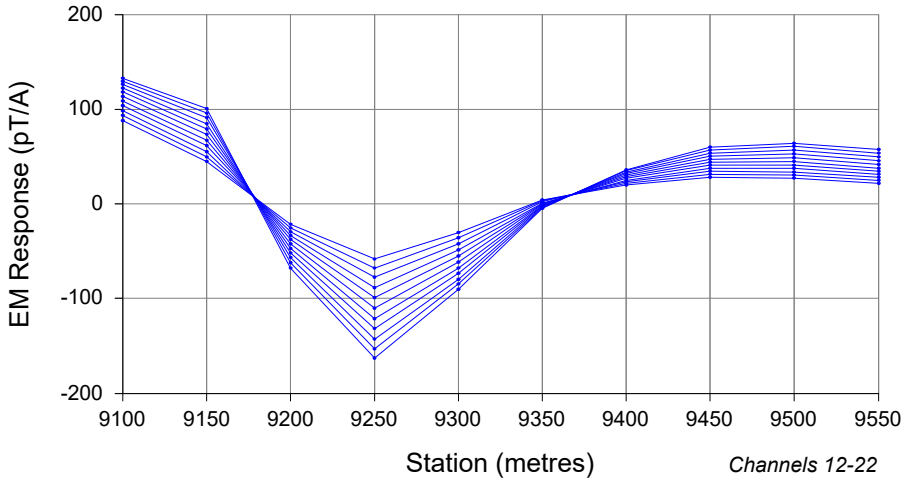
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

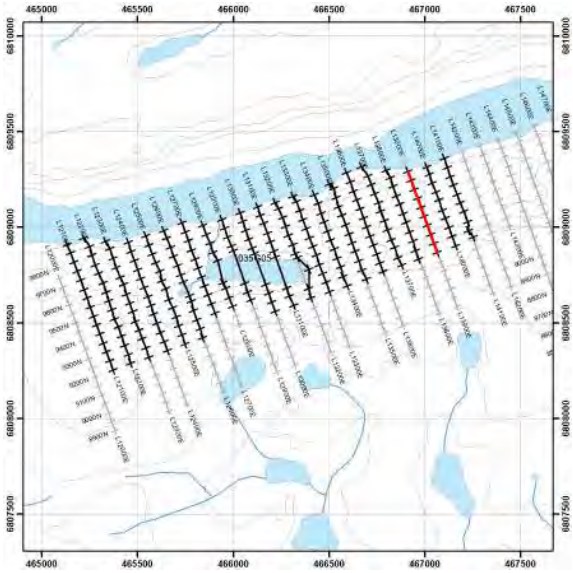
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

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Surveyed By: Joseph Cook
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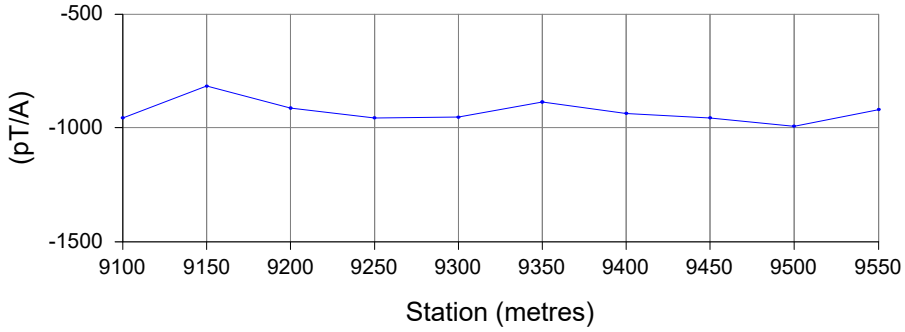
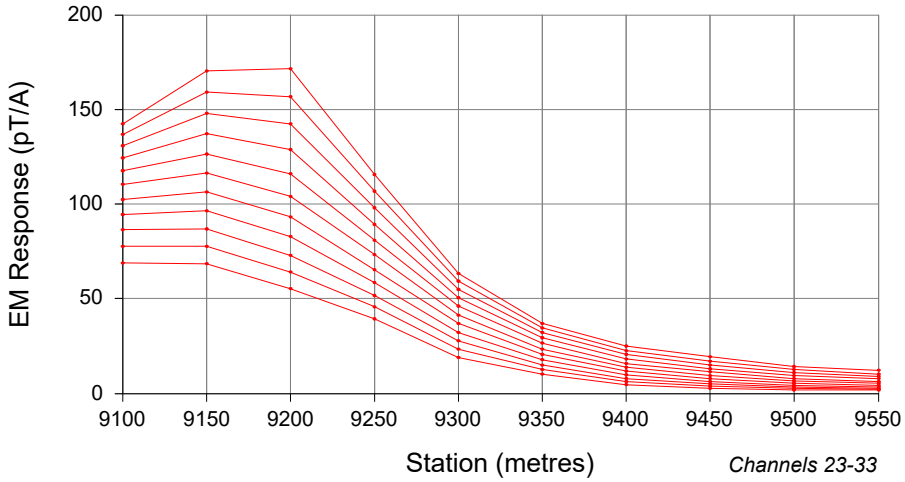
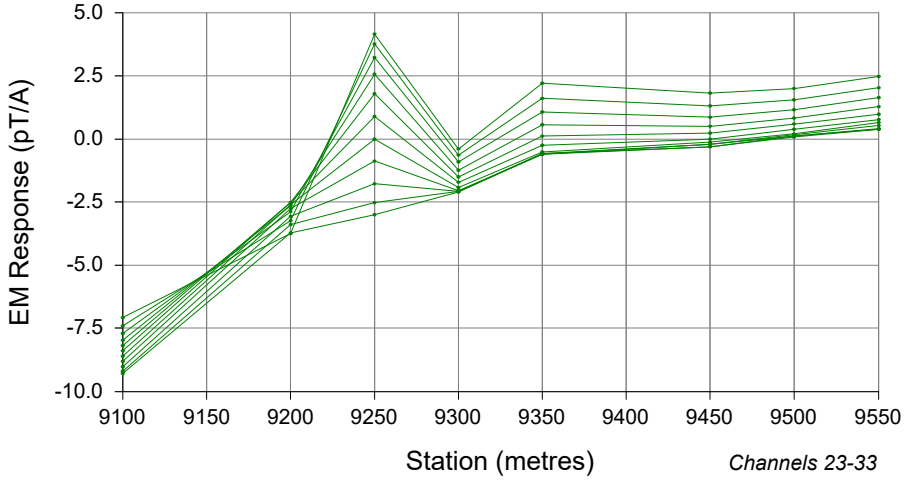
Z Primary Field



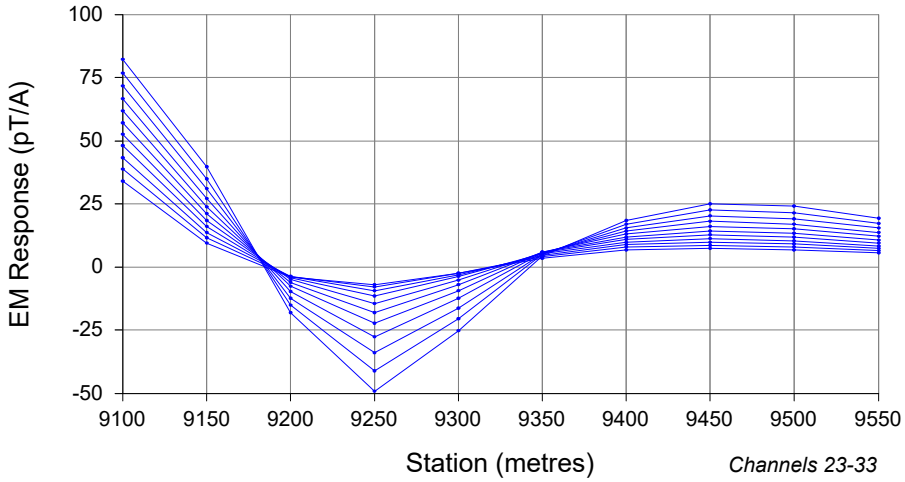
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

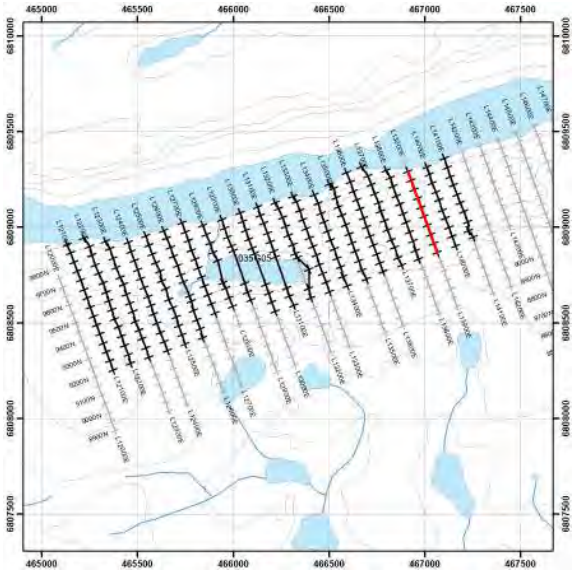
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 13900E

Surveyed By: Joseph Cook
Survey Date: August 2021

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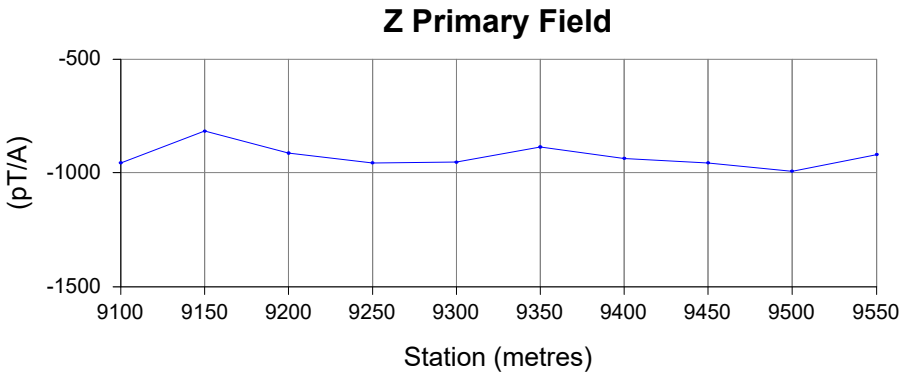
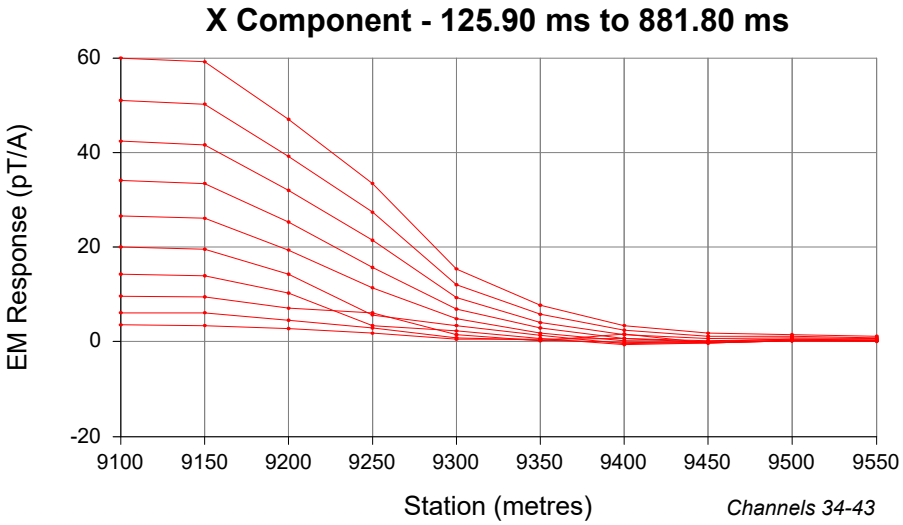
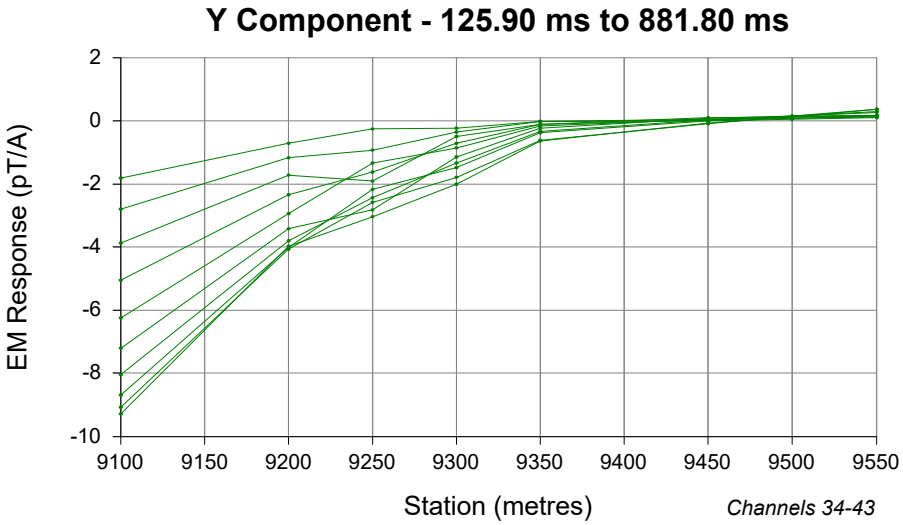
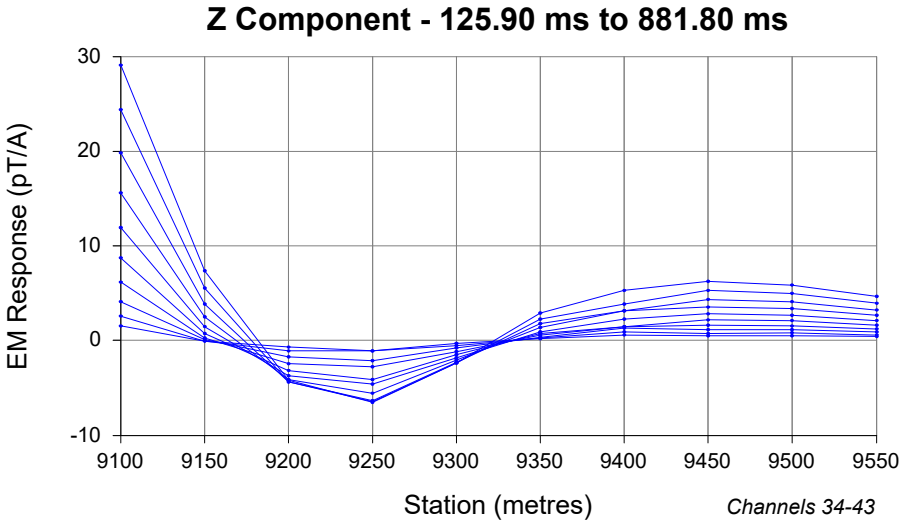








SURVEY PARAMETERS

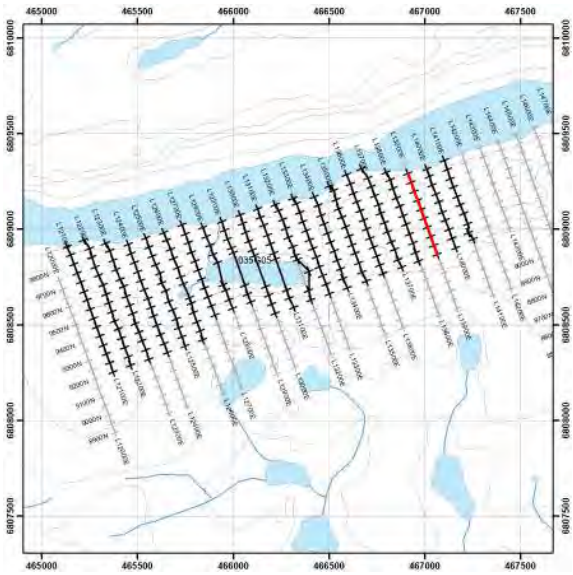
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Slingram Survey

Line 13900E

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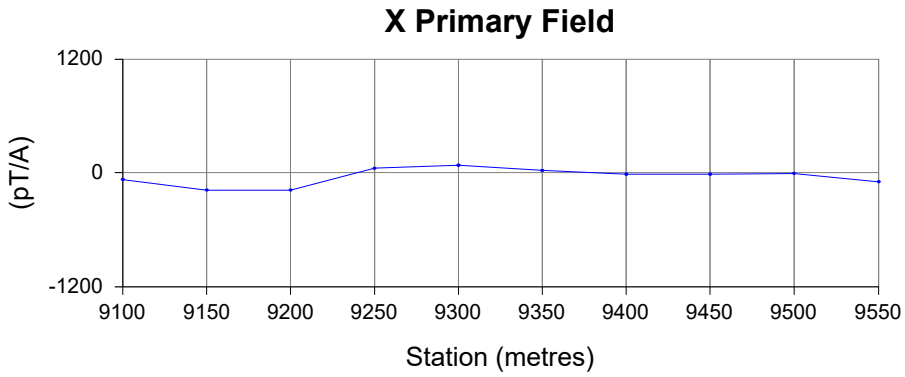
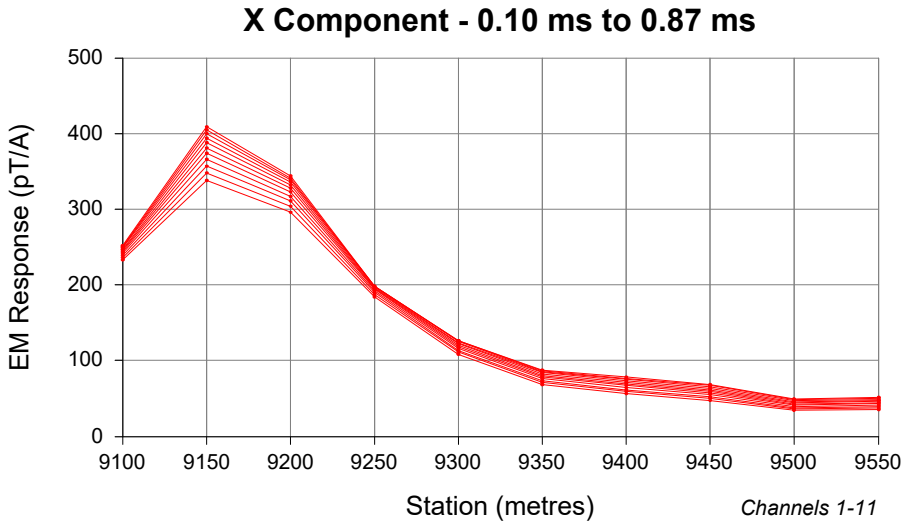
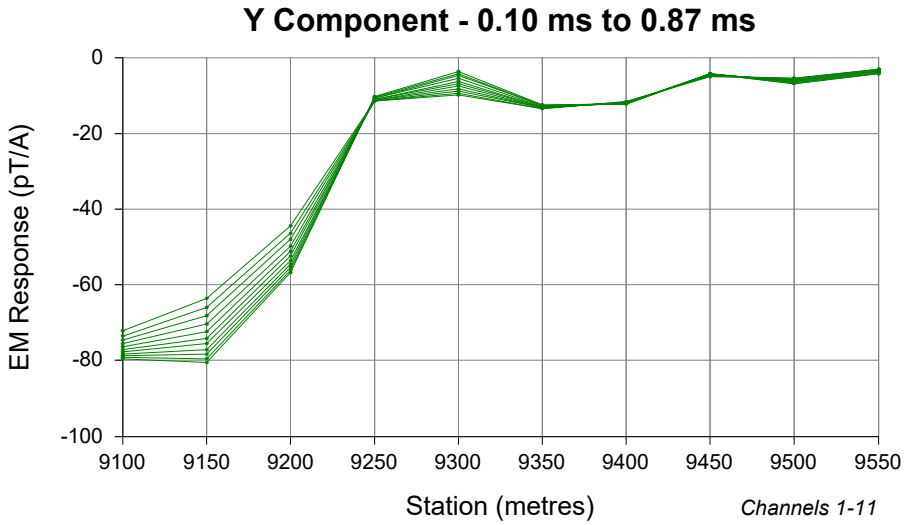
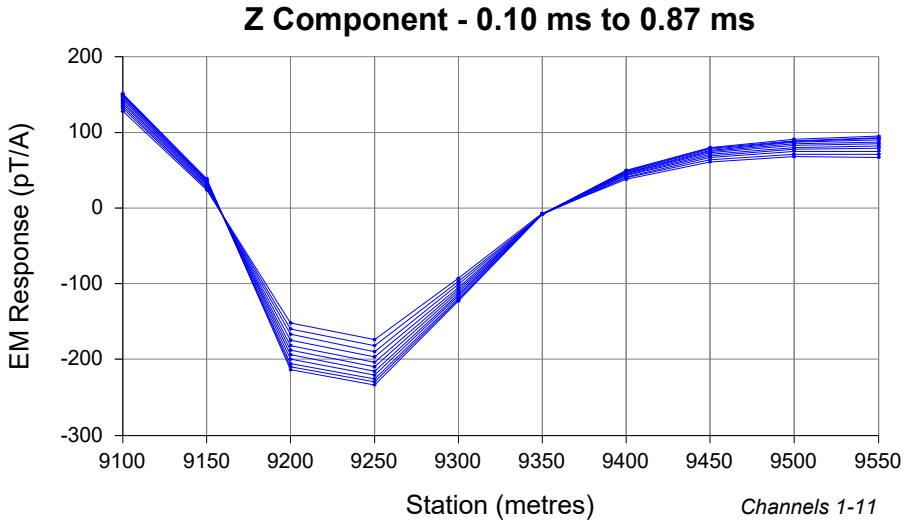








SURVEY PARAMETERS

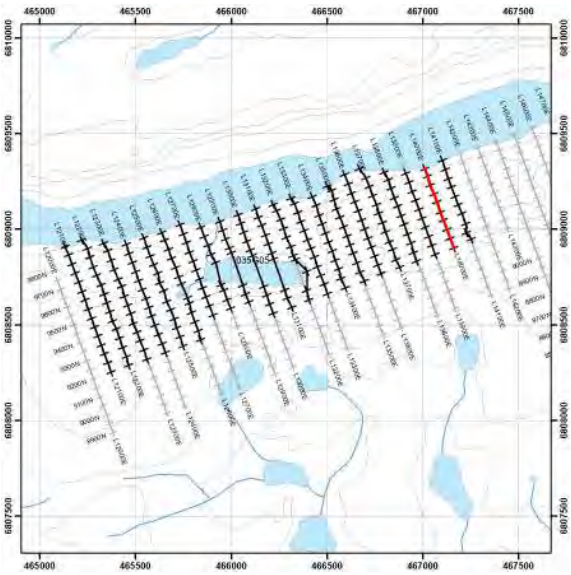
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14000E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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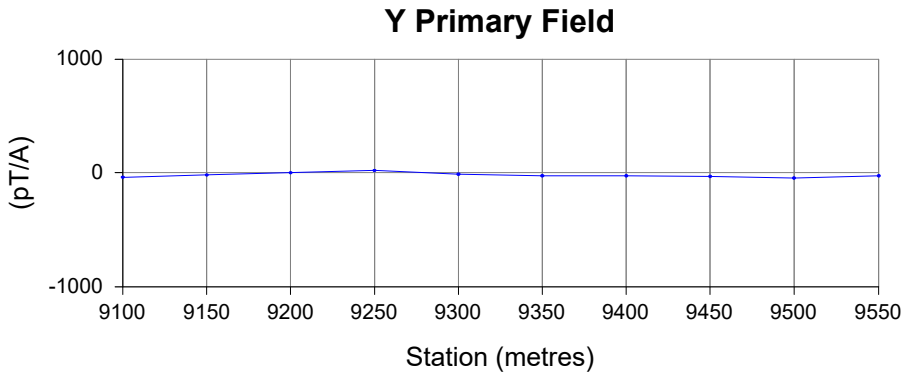
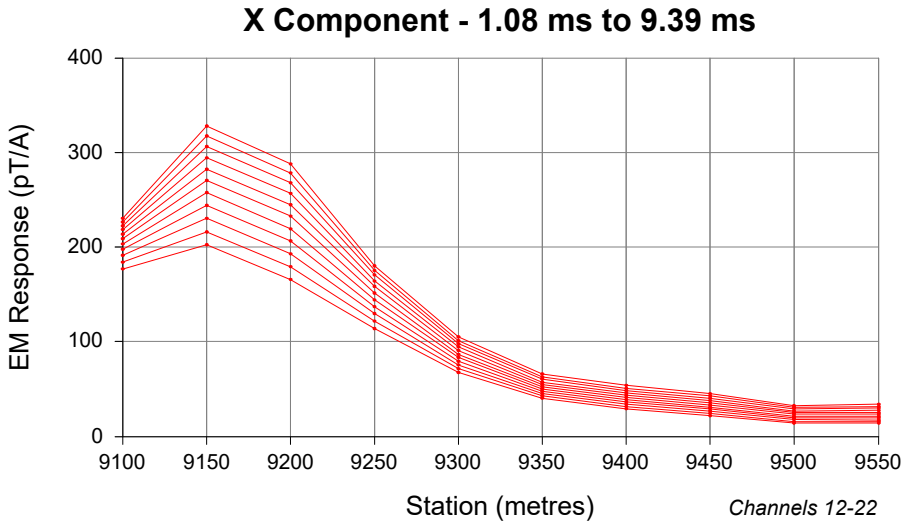
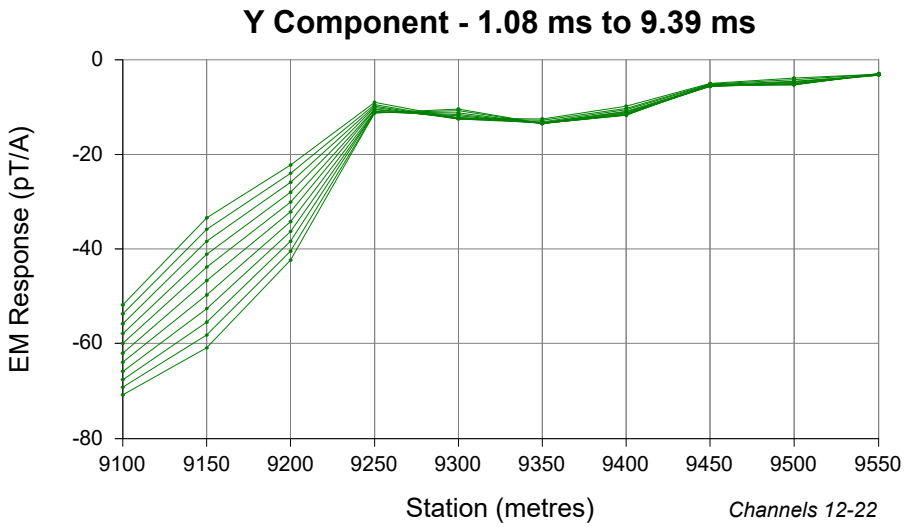
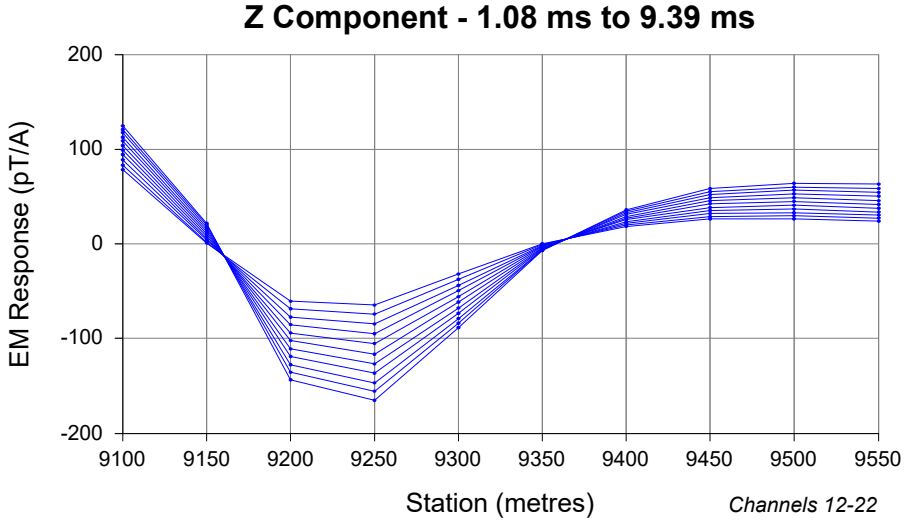








SURVEY PARAMETERS

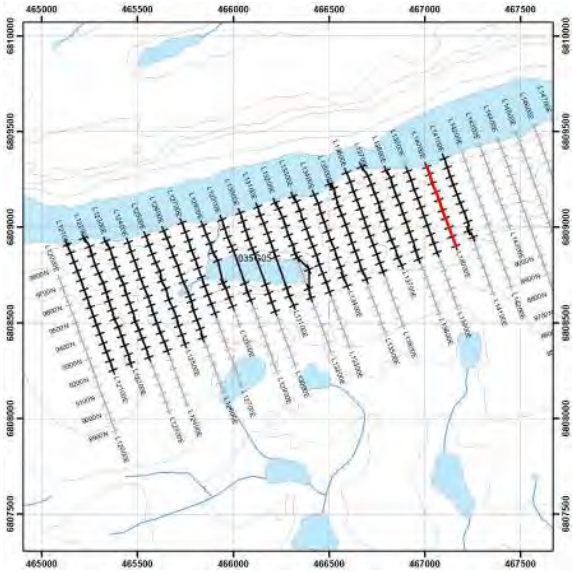
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14000E

Surveyed By: Mohamed Haiba
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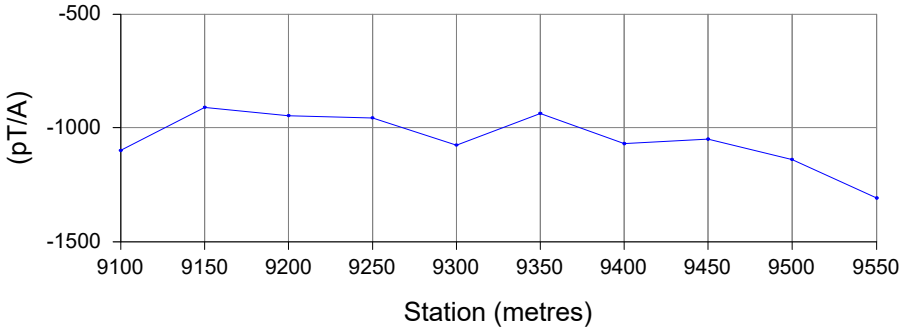
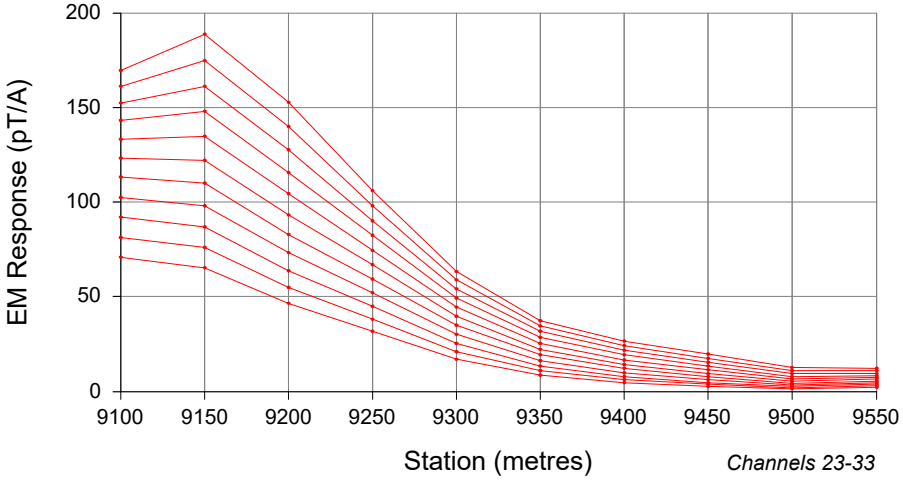
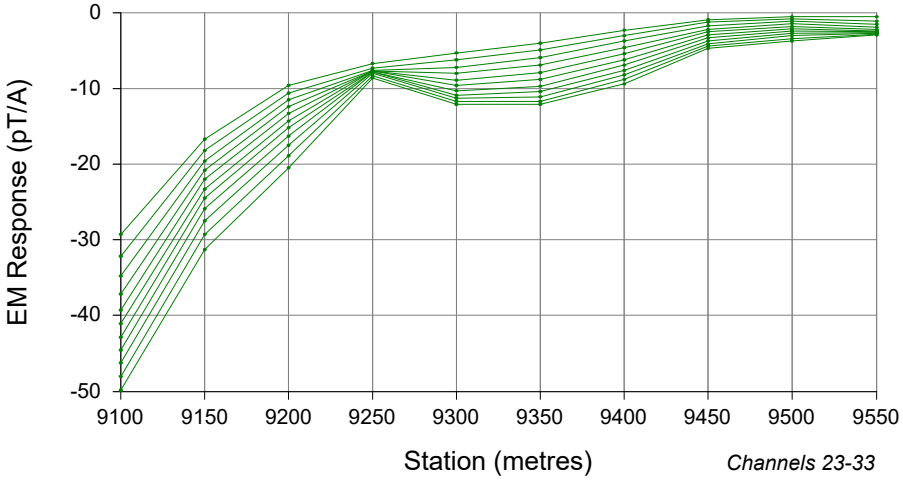
Z Primary Field



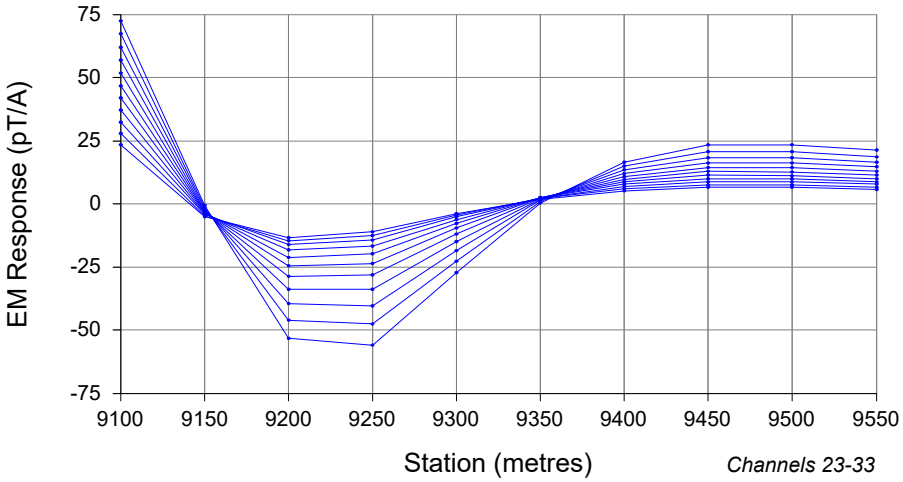
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

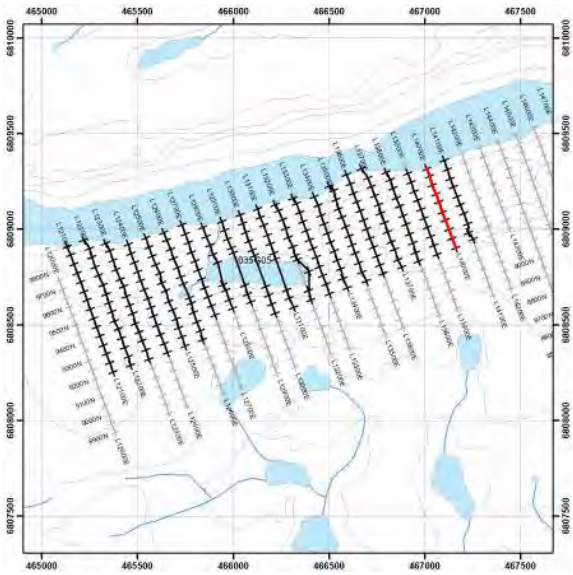
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14000E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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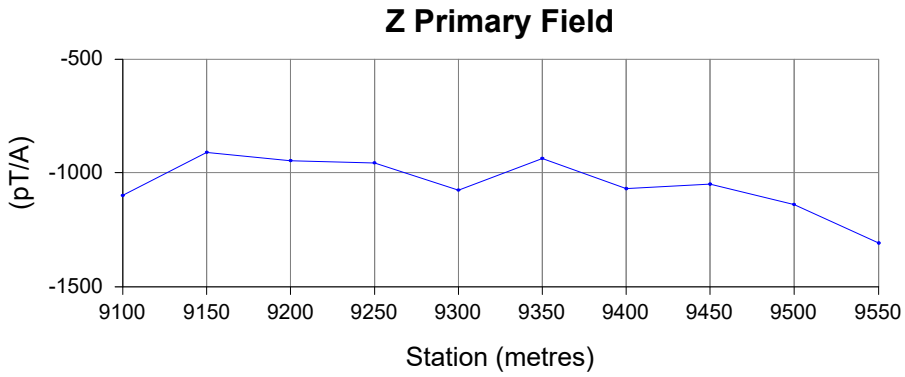
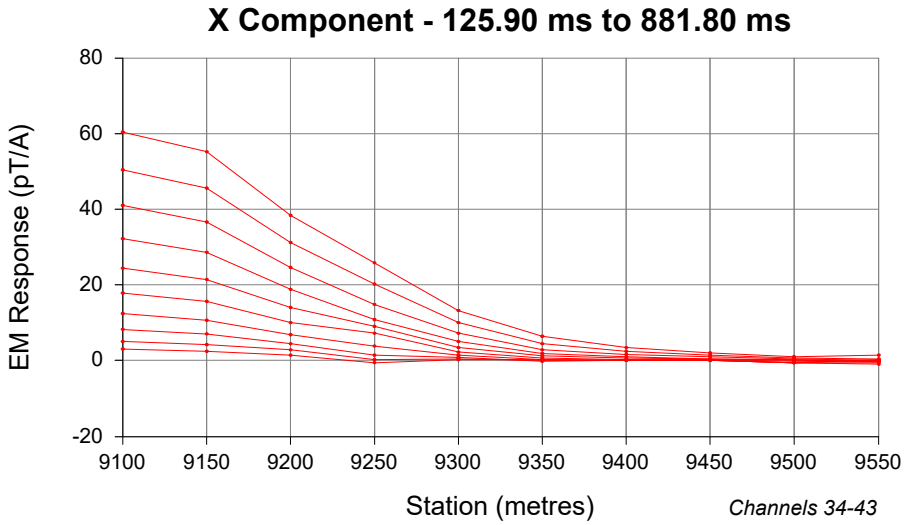
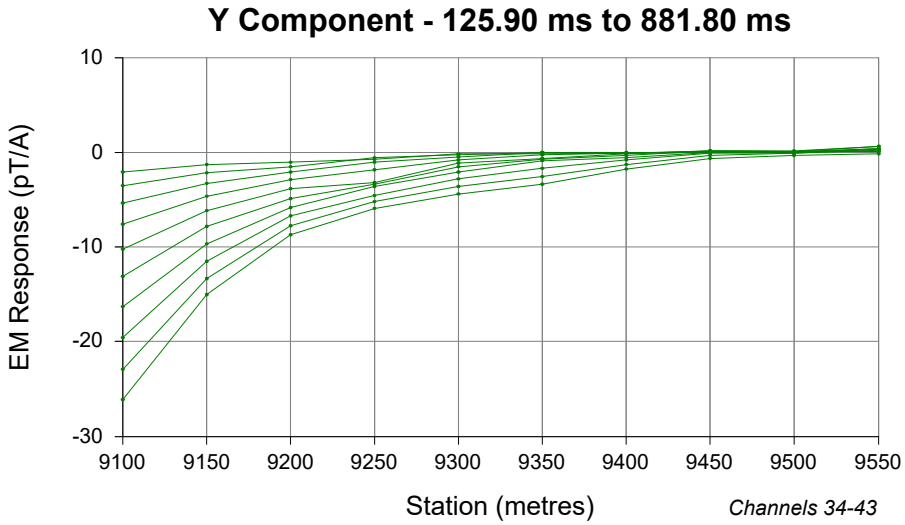
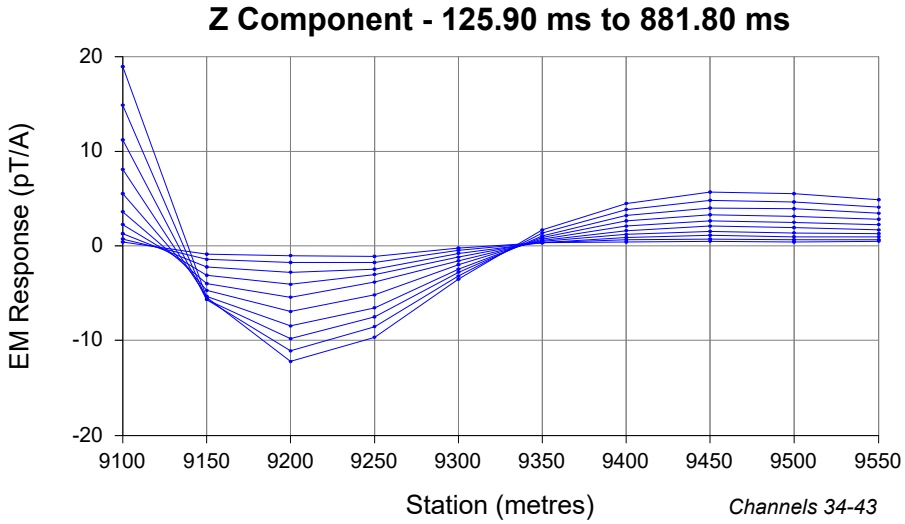








SURVEY PARAMETERS

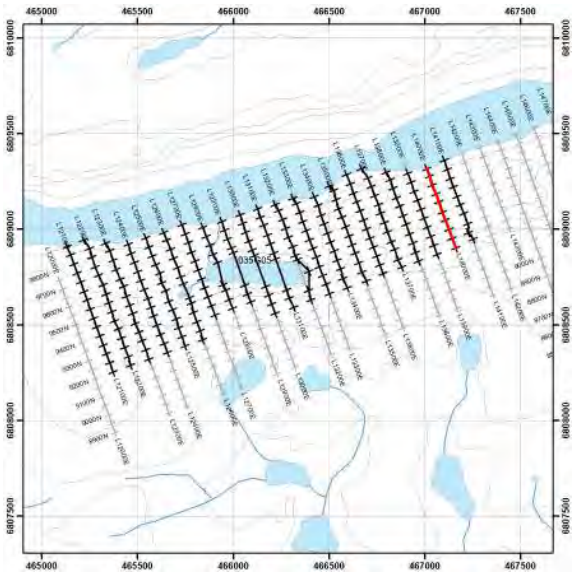
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 14000E

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Survey Date: August 2021

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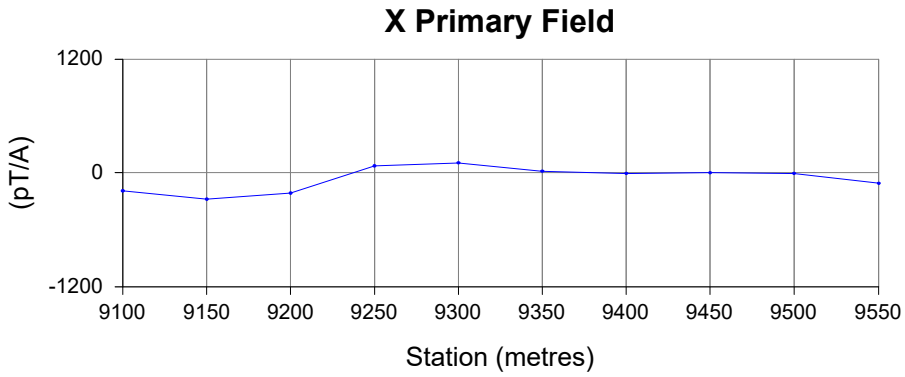
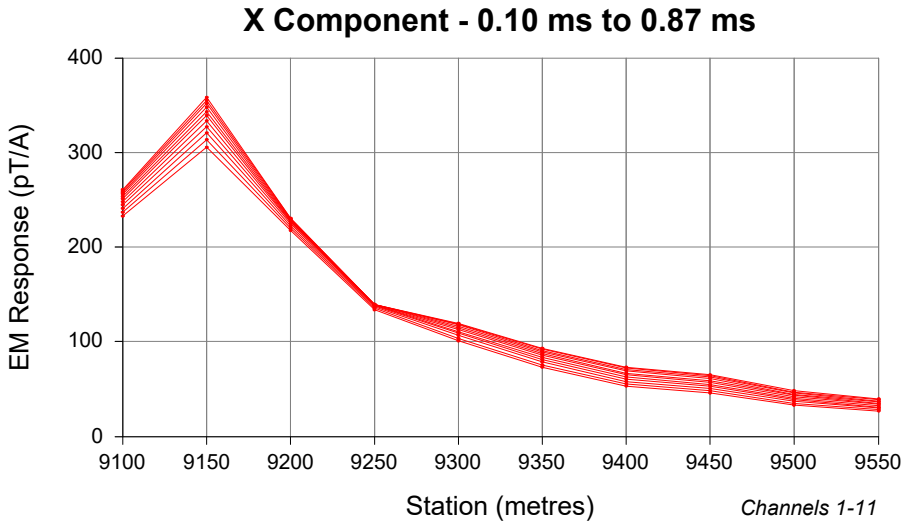
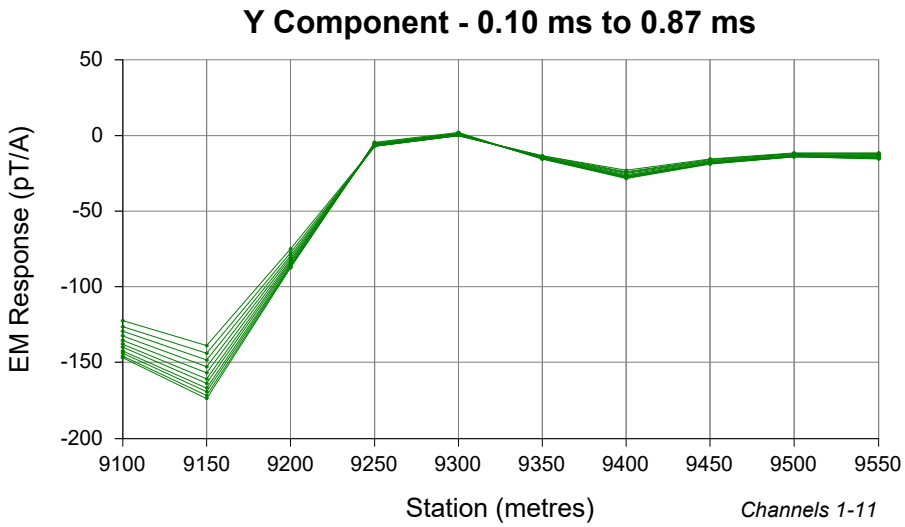
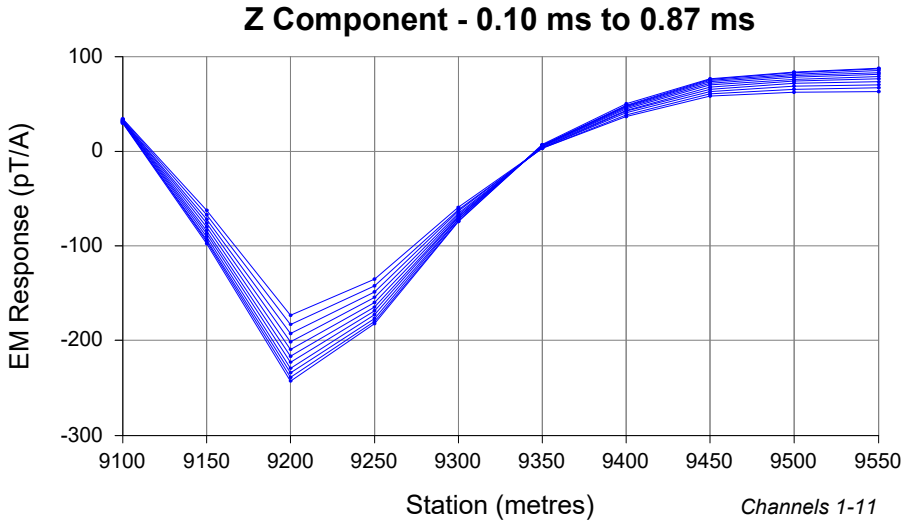








SURVEY PARAMETERS

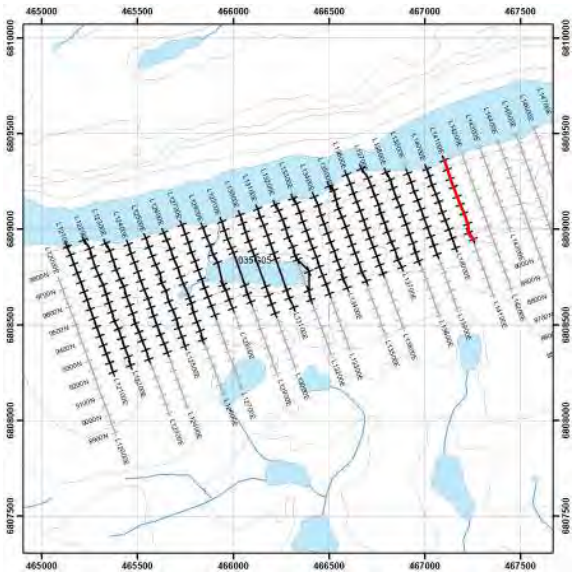
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 14100E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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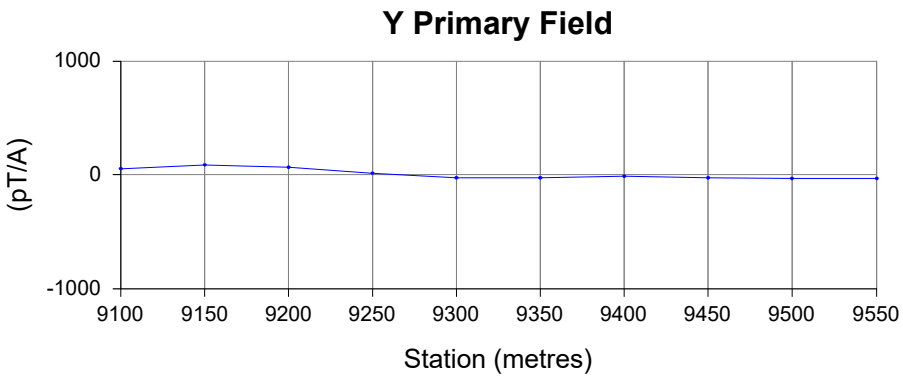
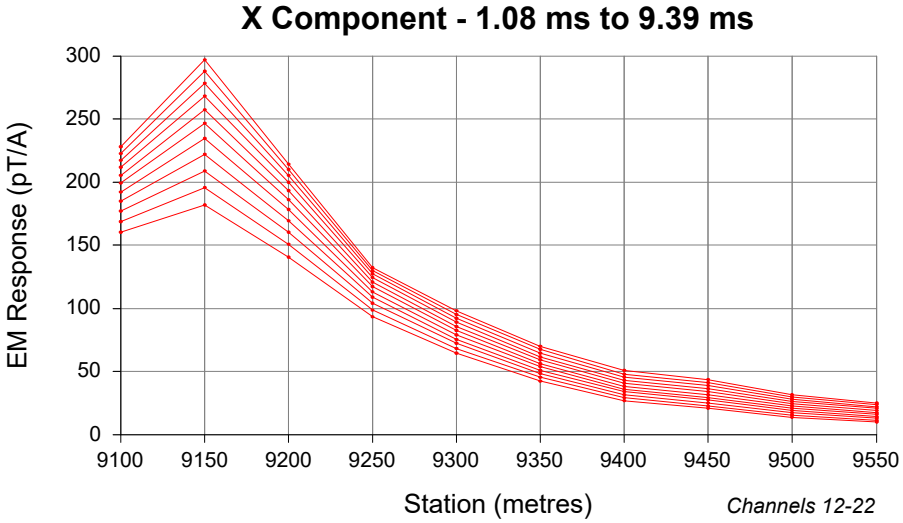
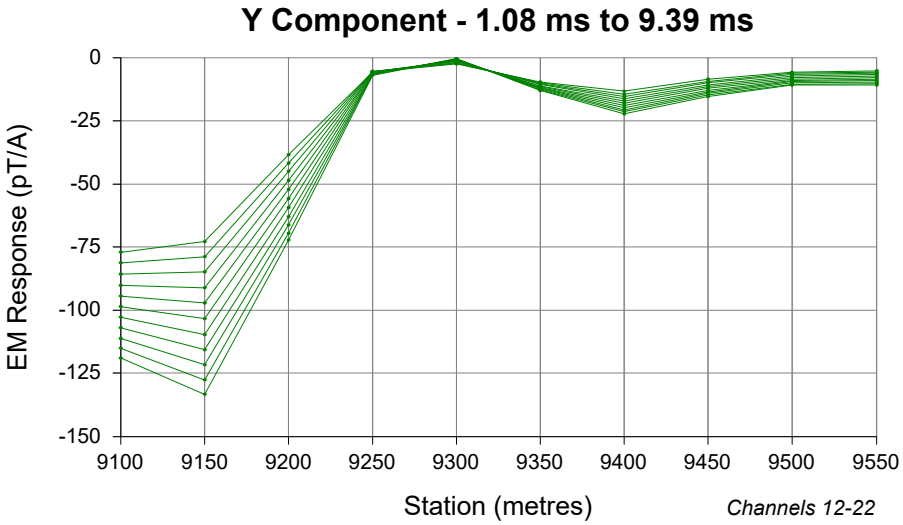
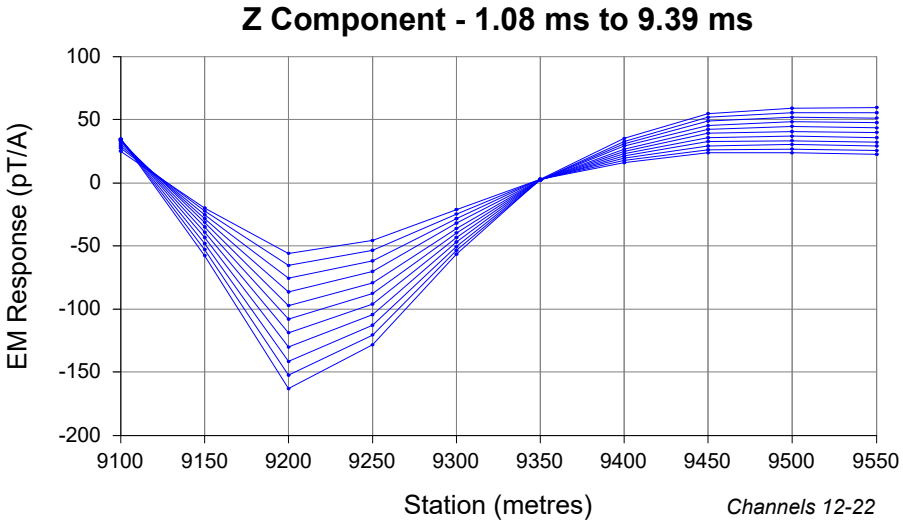








SURVEY PARAMETERS

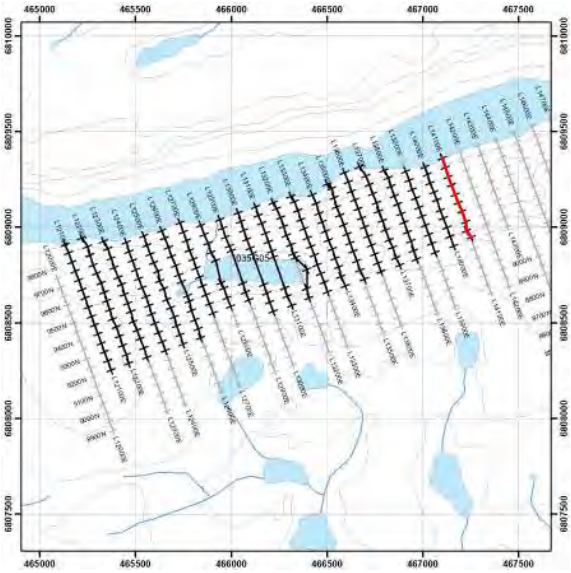
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
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Slingram Survey

Line 14100E

Surveyed By: Cole Smytaniuk
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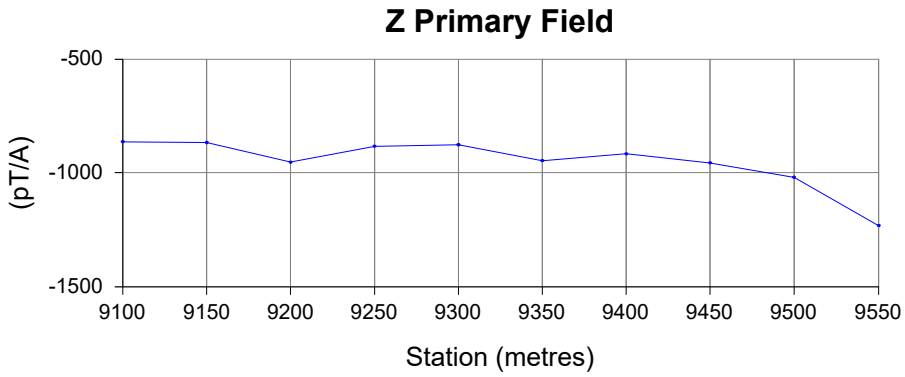
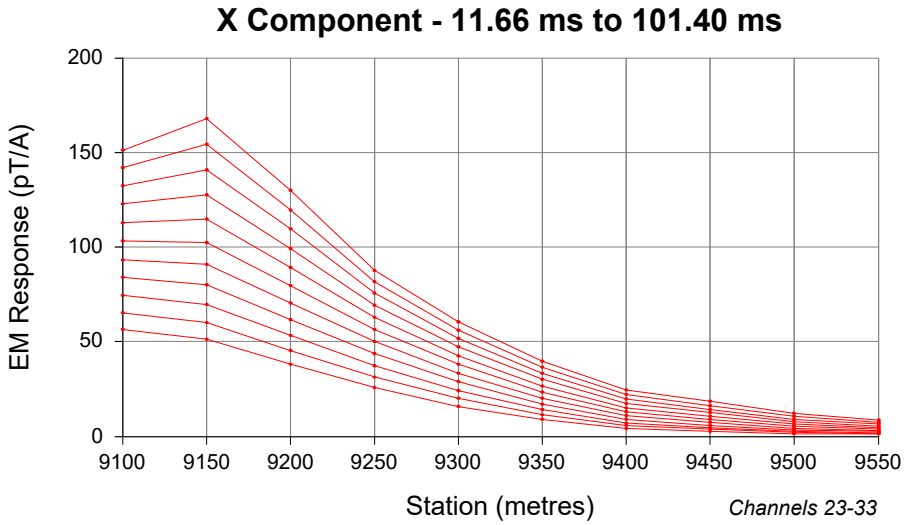
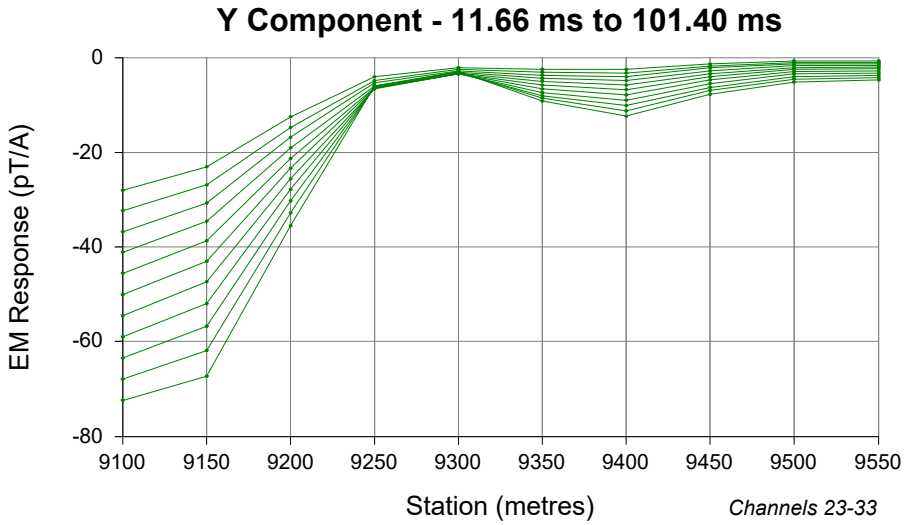
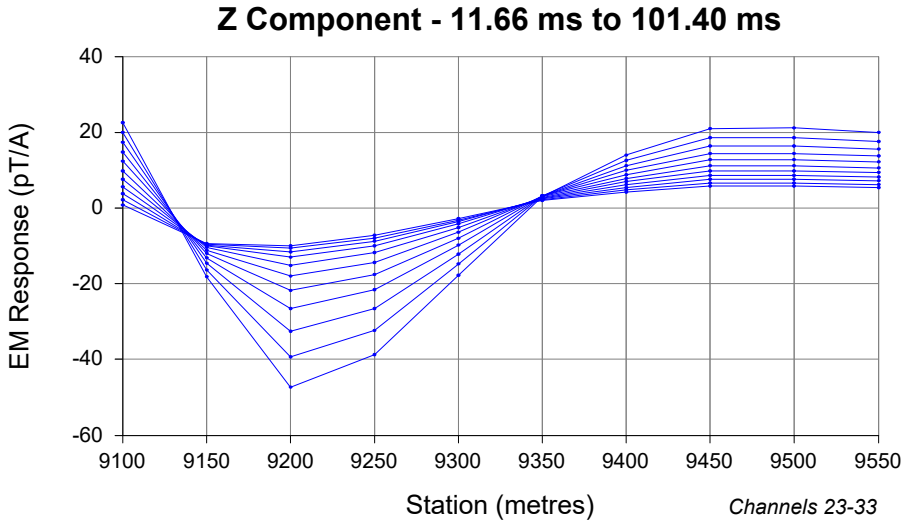








SURVEY PARAMETERS

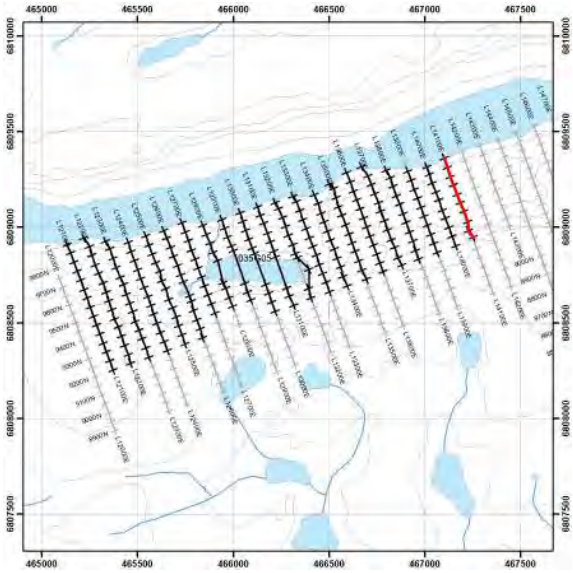
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14100E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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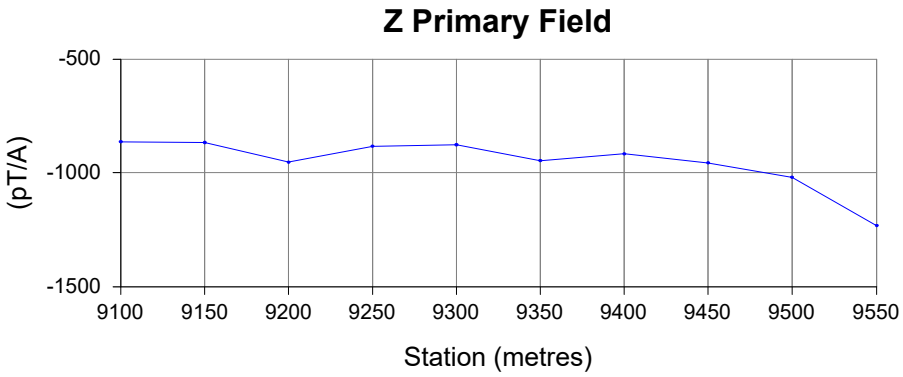
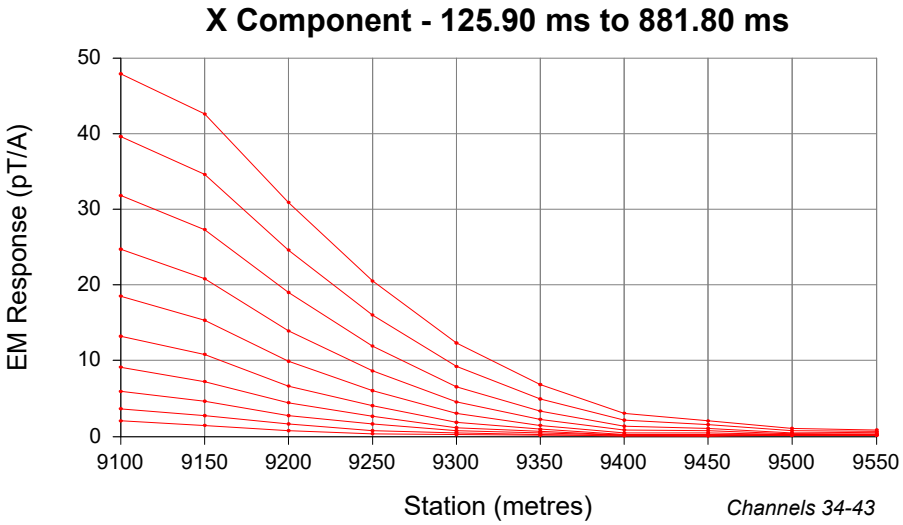
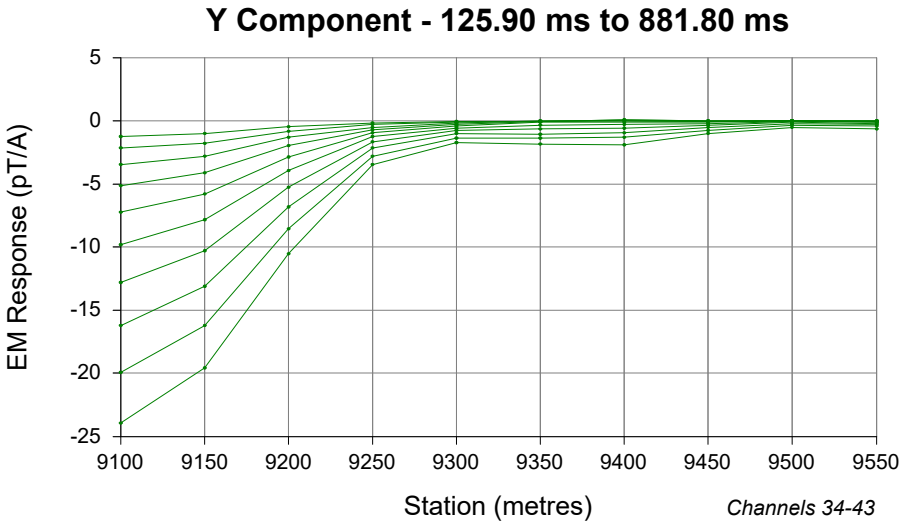
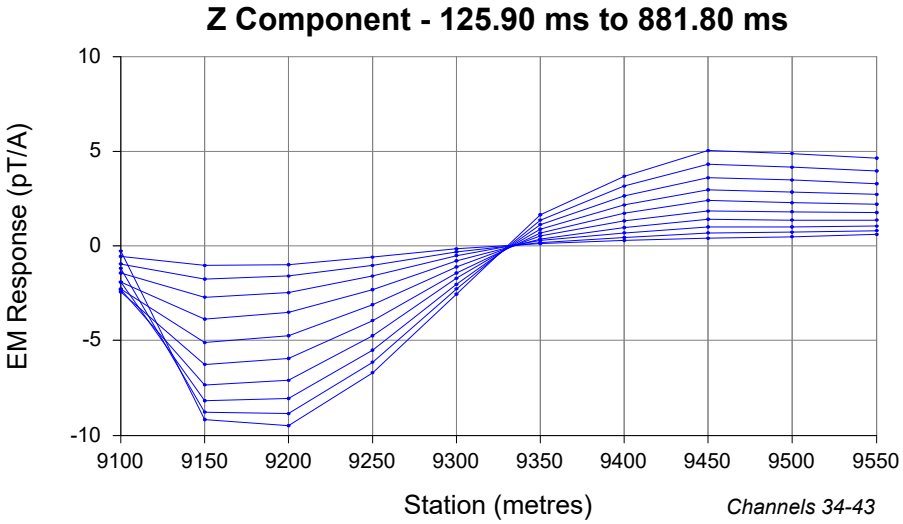








SURVEY PARAMETERS

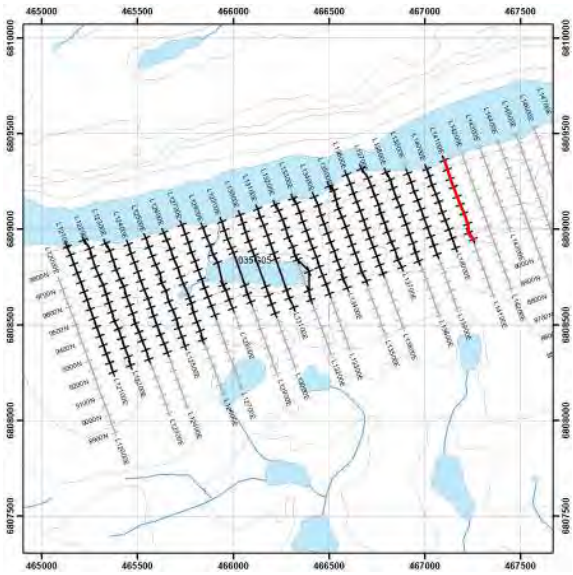
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 14100E

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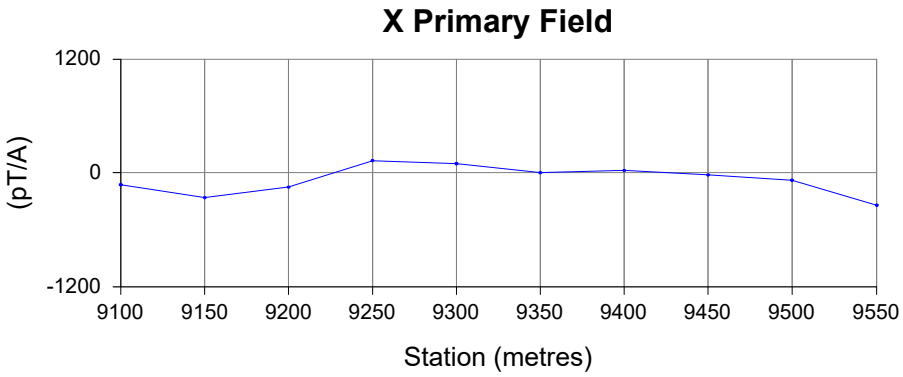
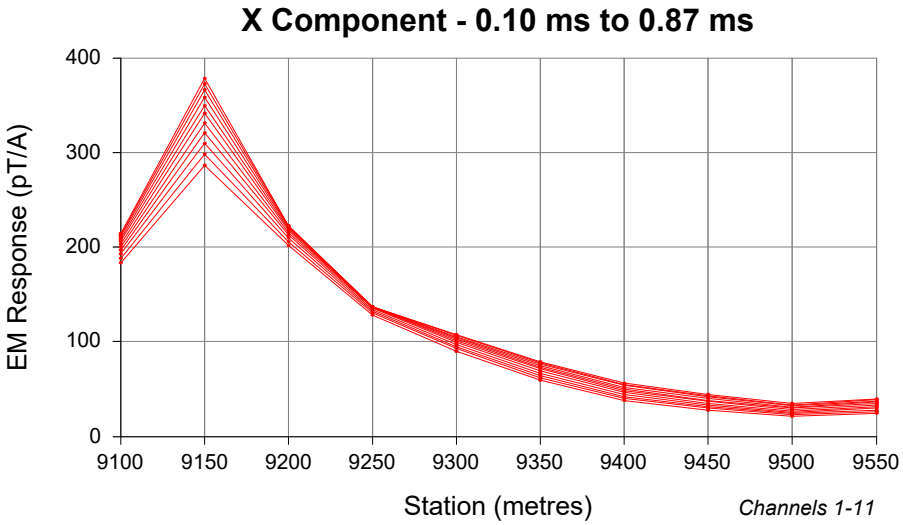
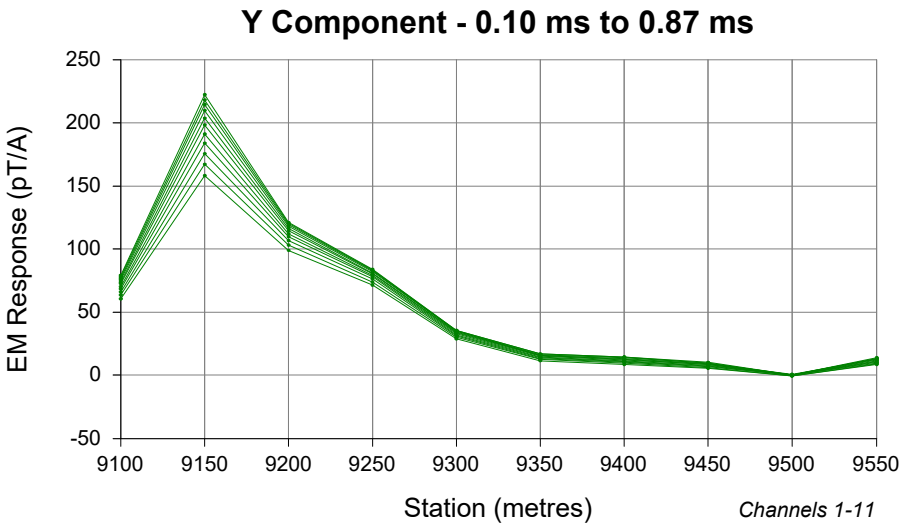
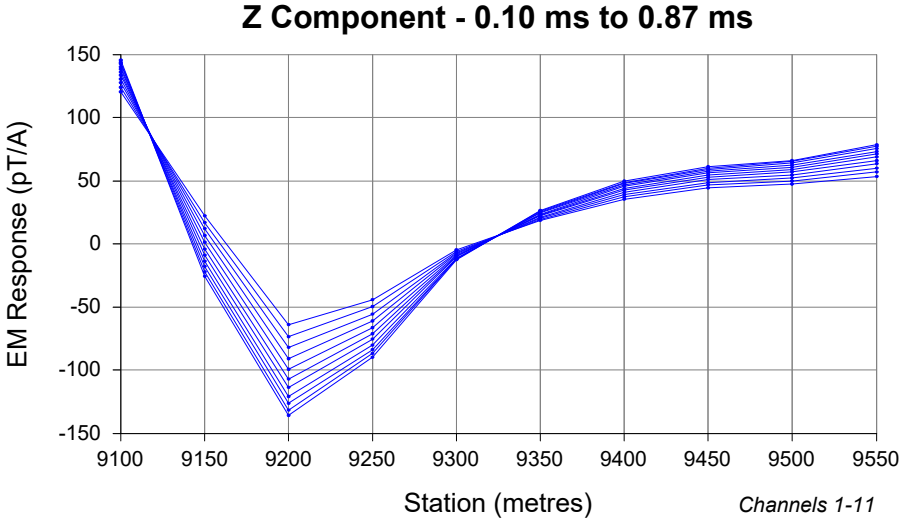








SURVEY PARAMETERS

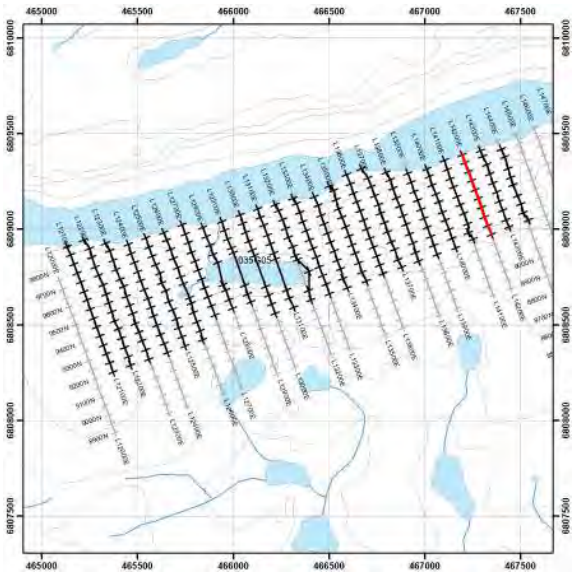
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
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Slingram Survey

Line 14200E

Surveyed By: Joseph Cook
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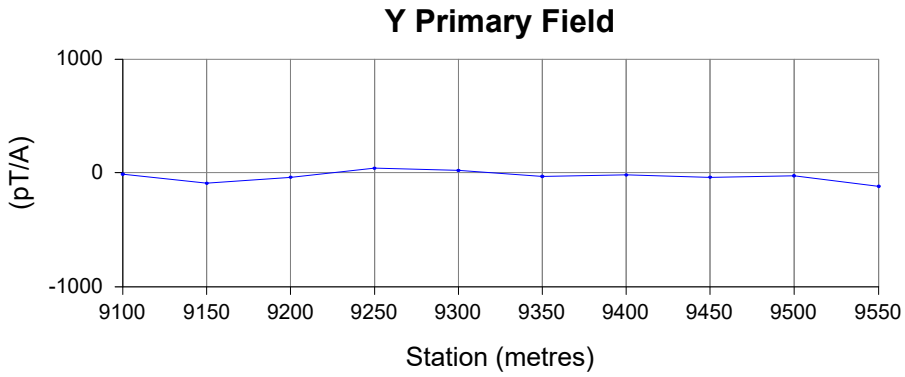
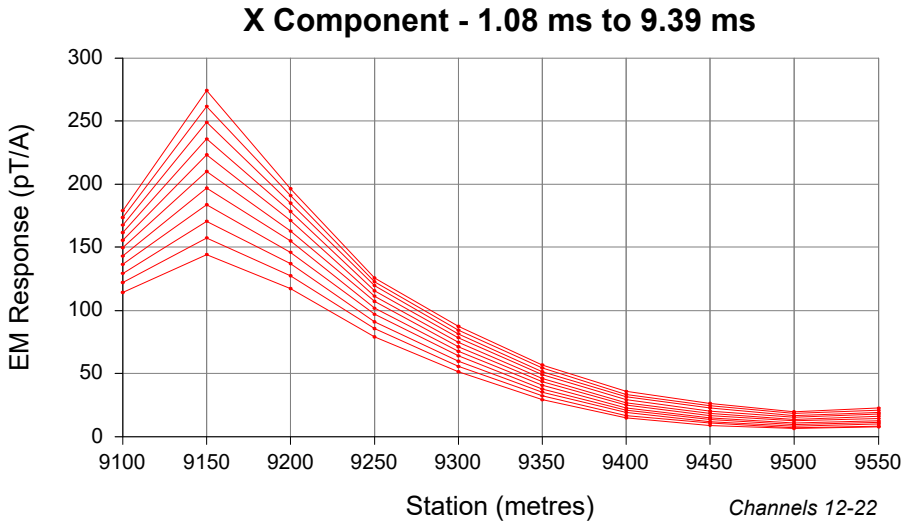
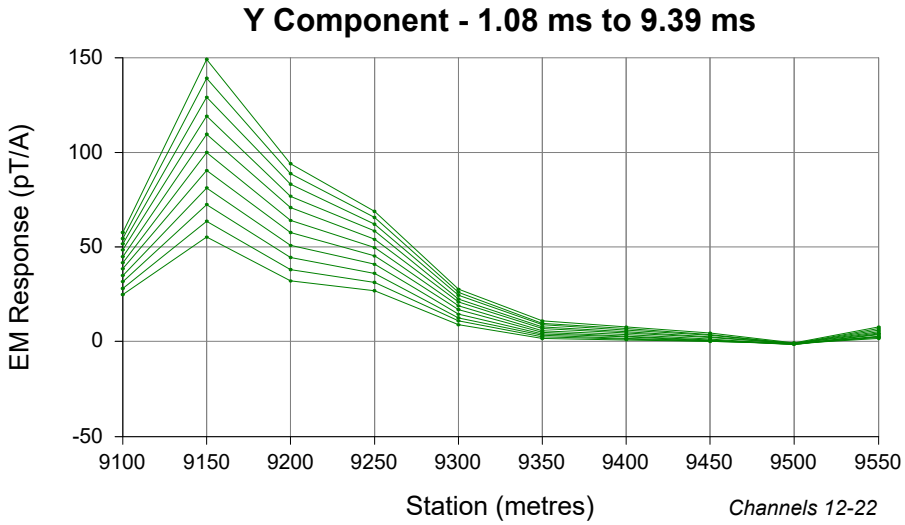
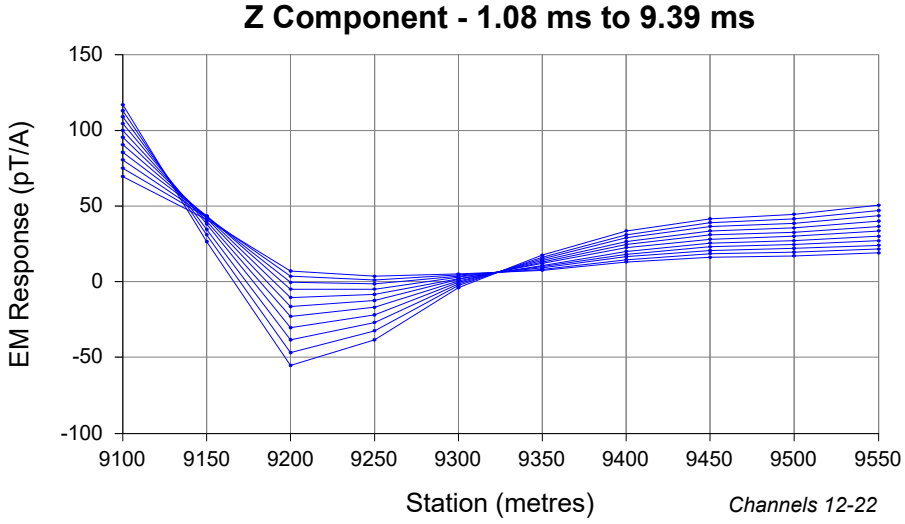








SURVEY PARAMETERS

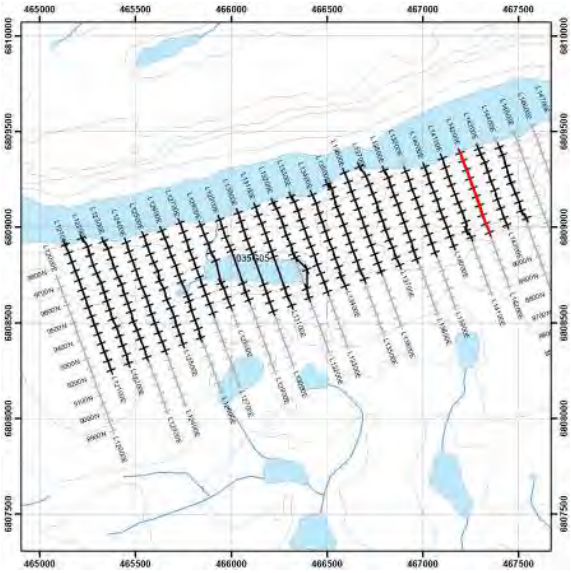
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 14200E

Surveyed By: Joseph Cook
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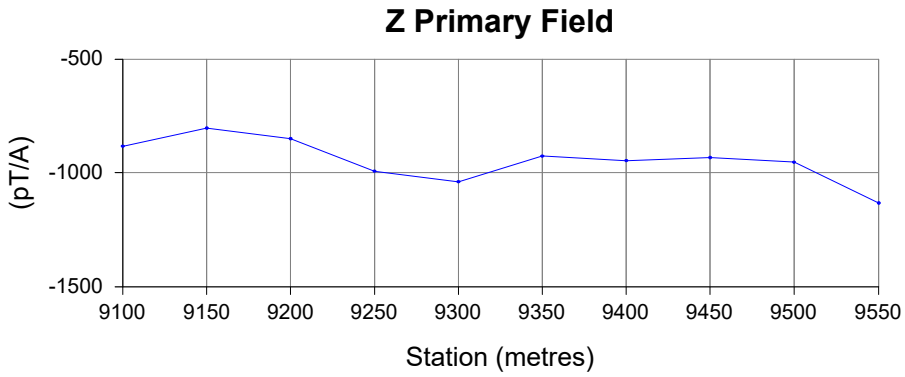
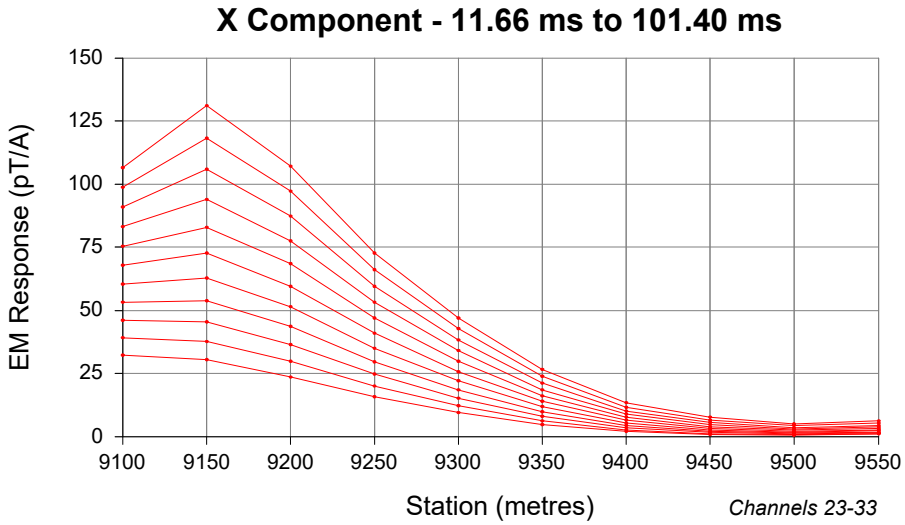
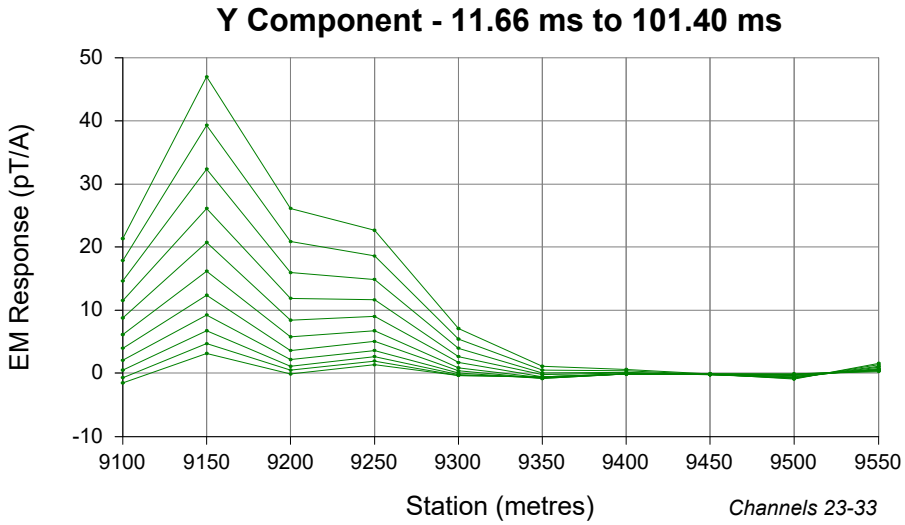
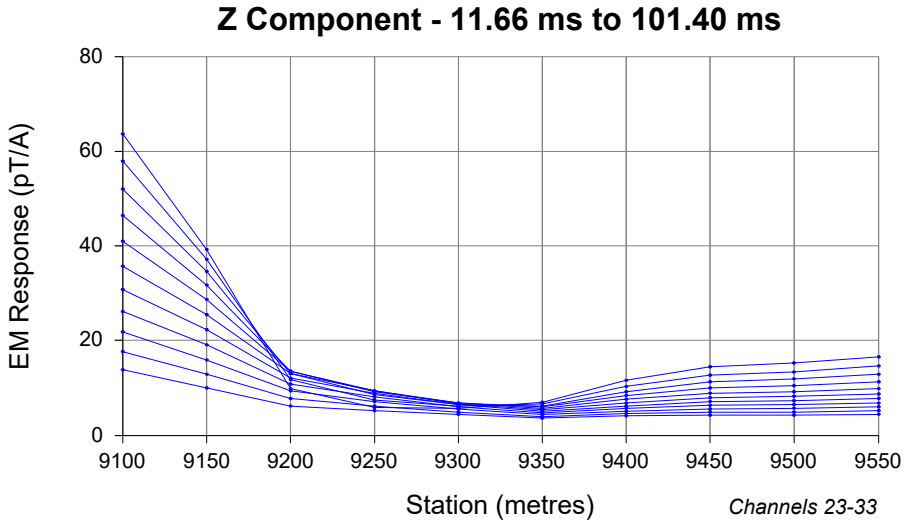








SURVEY PARAMETERS

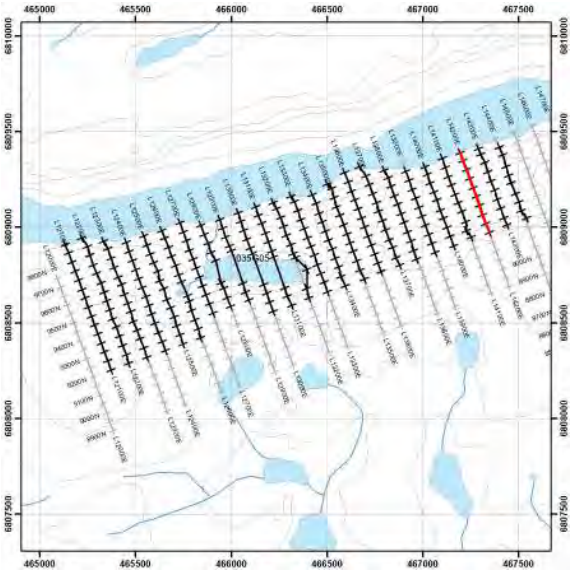
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 14200E

Surveyed By: Joseph Cook
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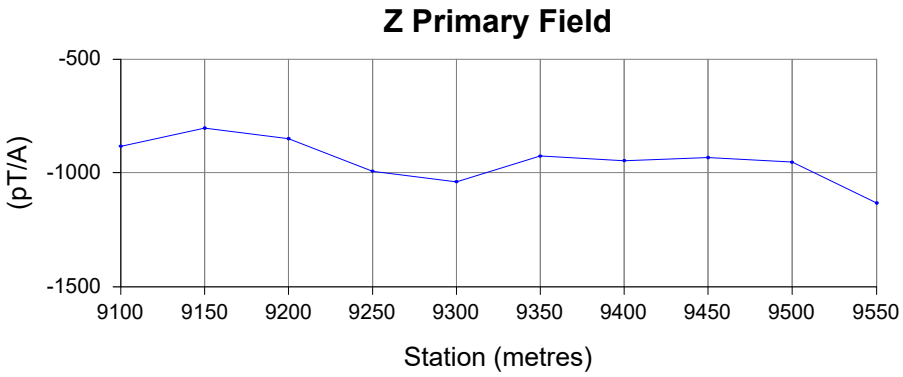
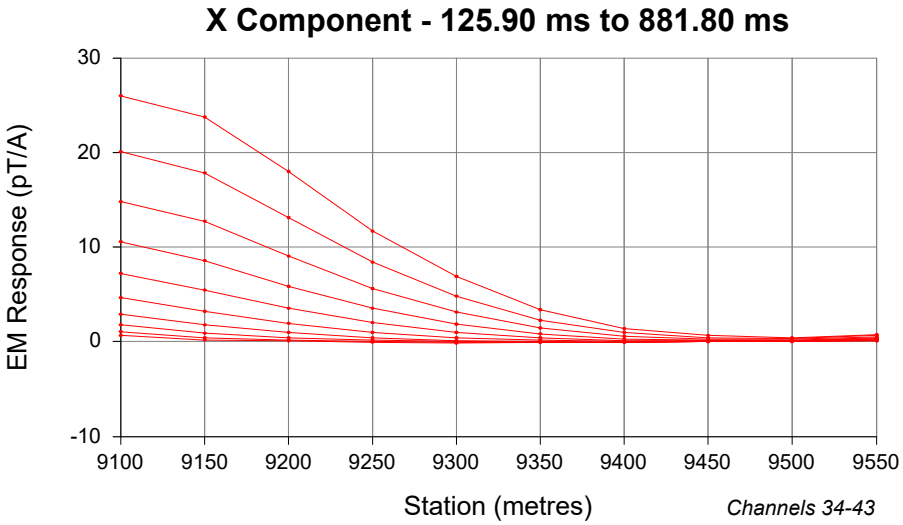
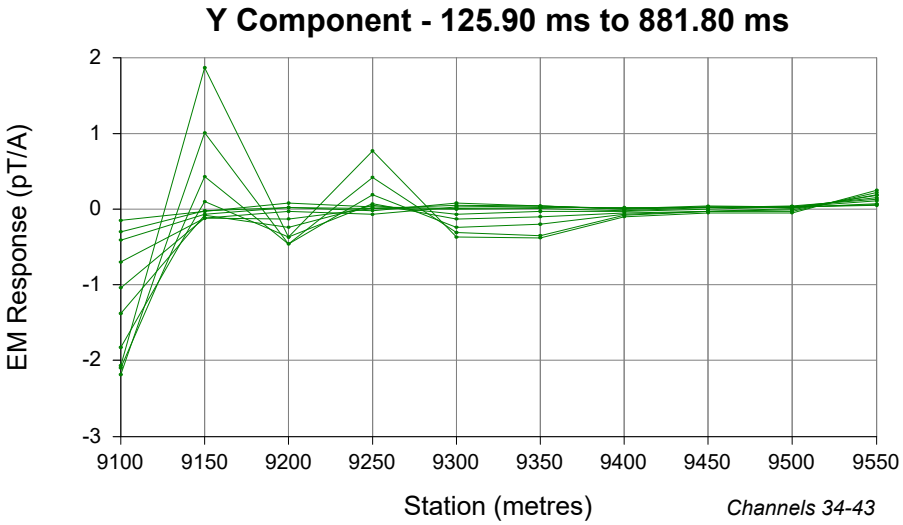
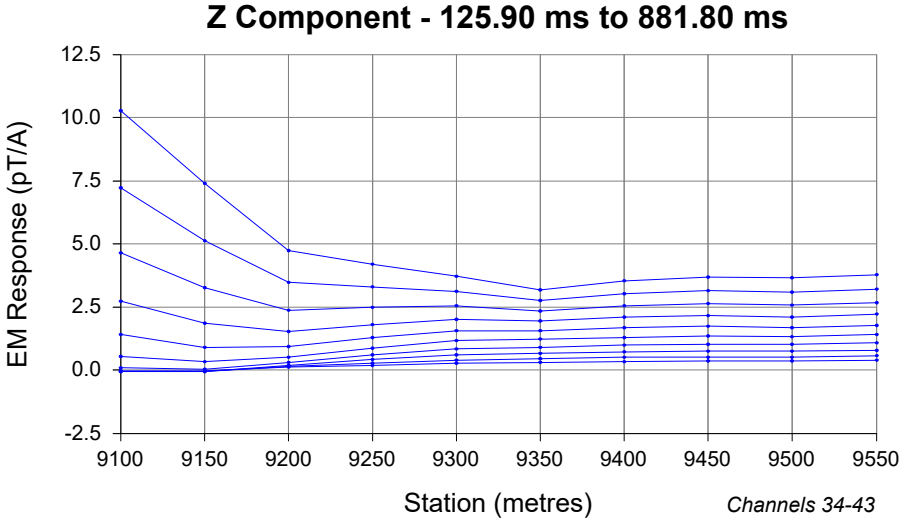








SURVEY PARAMETERS

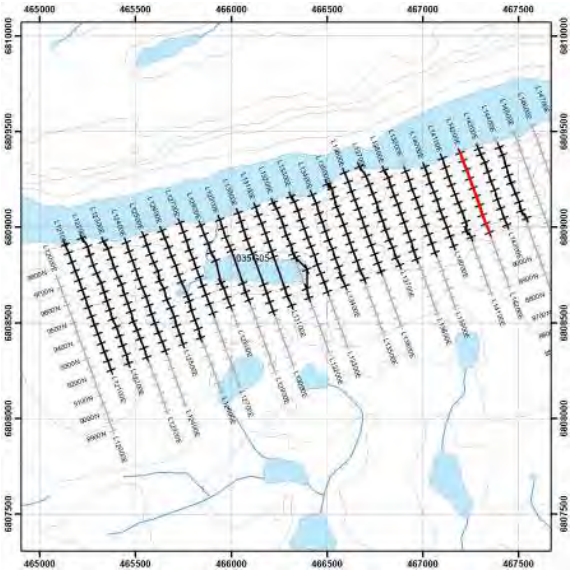
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 14200E

Surveyed By: Joseph Cook
Survey Date: August 2021

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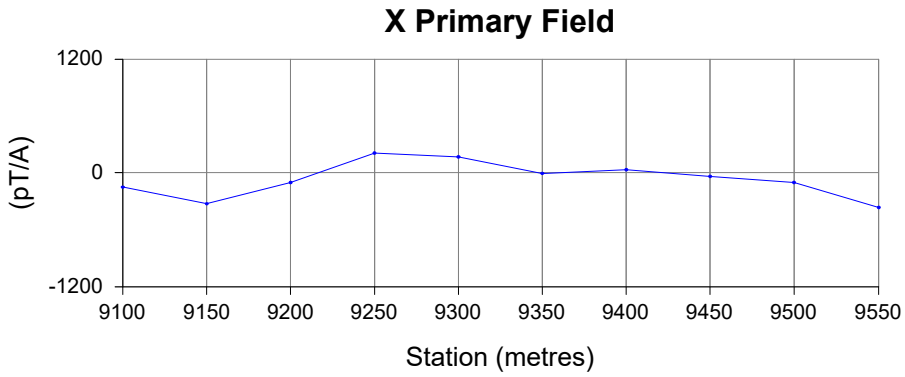
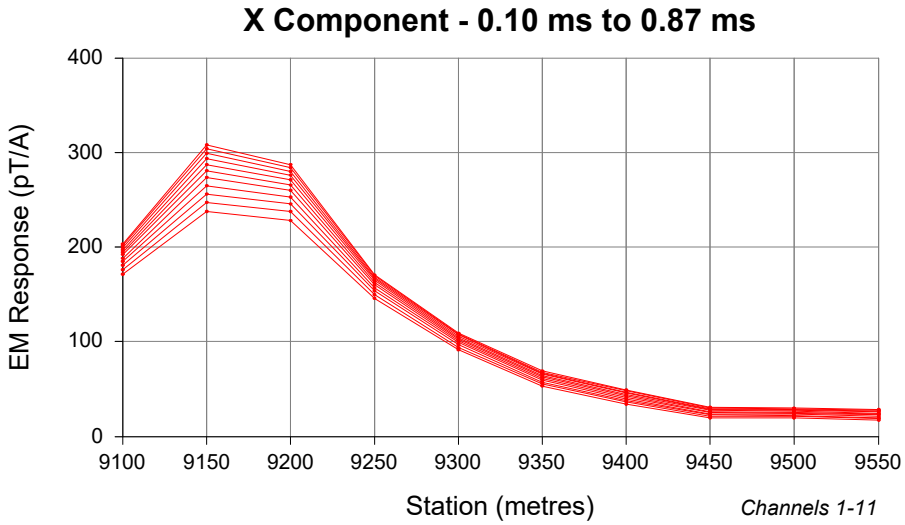
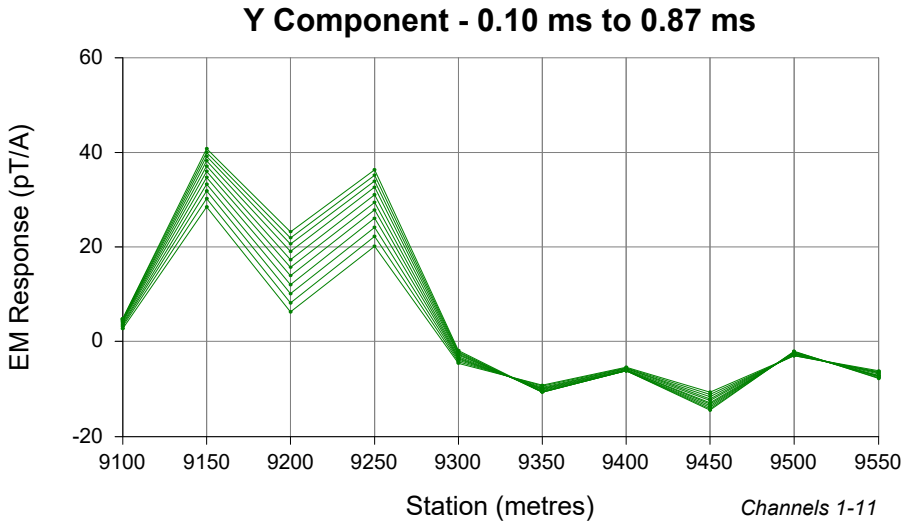
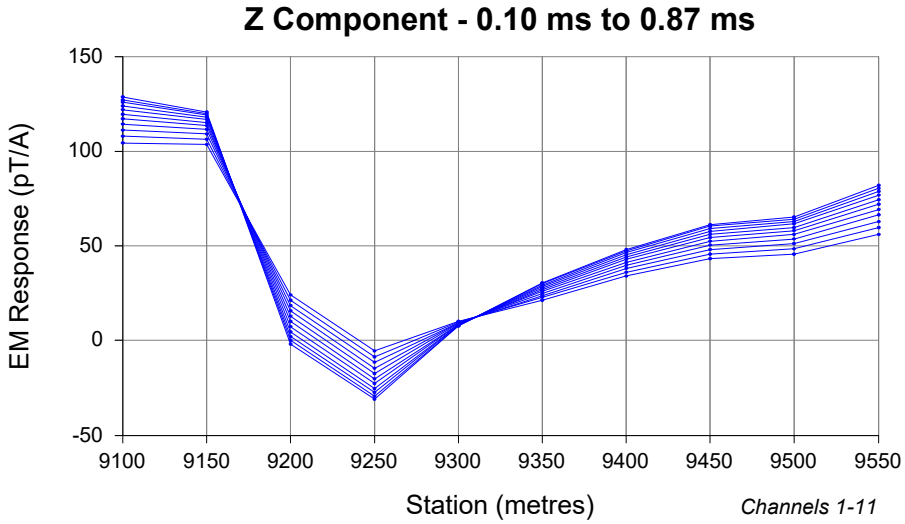








SURVEY PARAMETERS

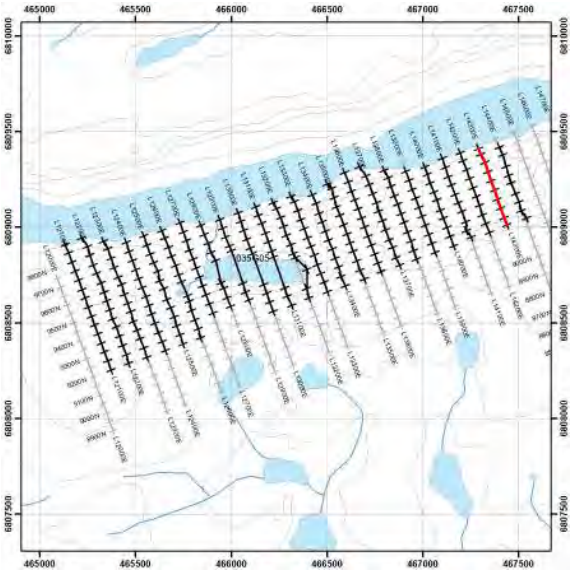
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14300E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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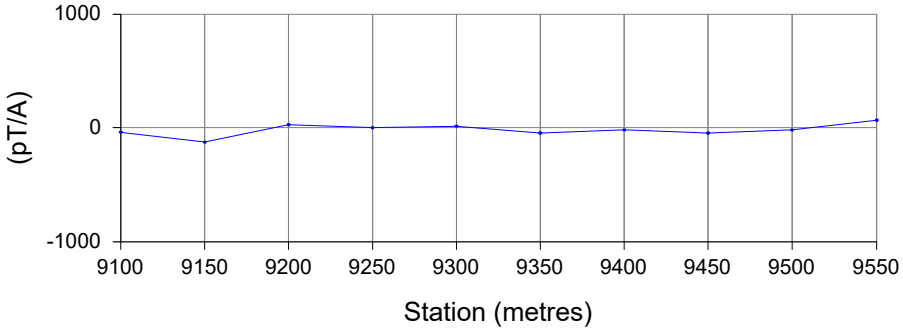
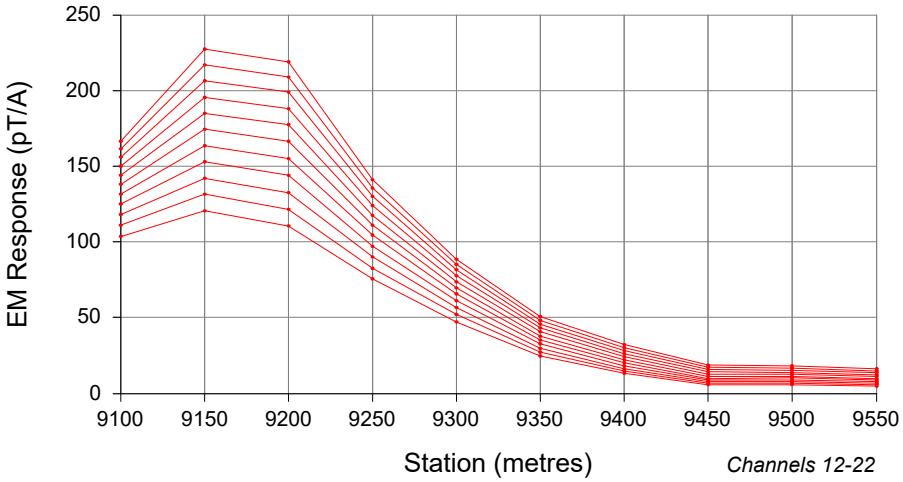
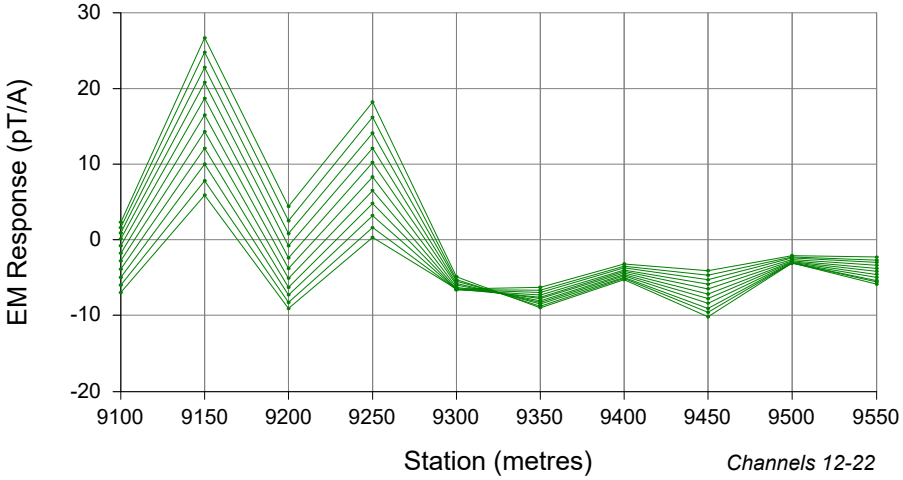
Y Primary Field



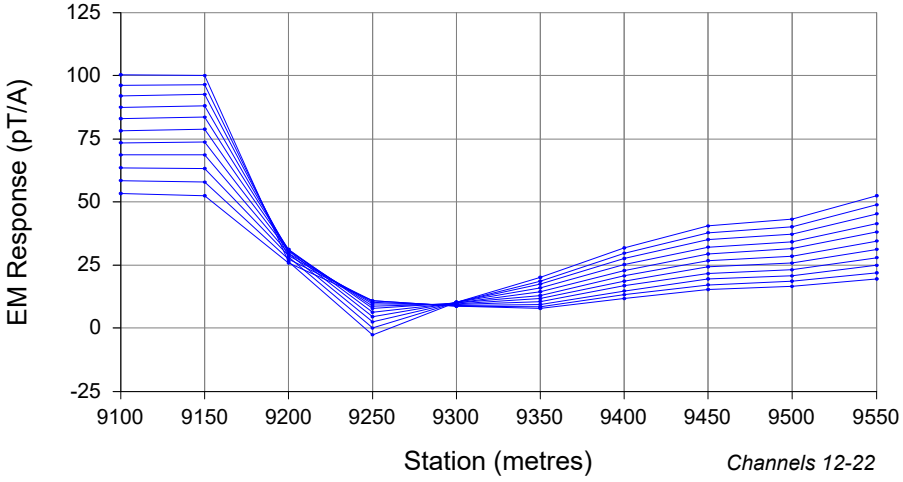
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

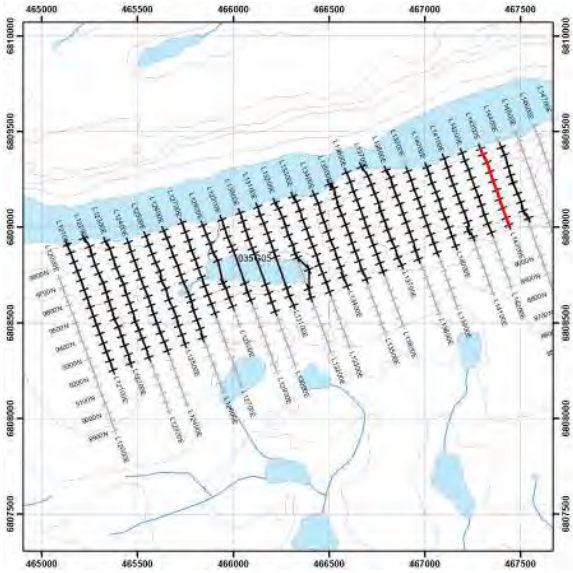
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

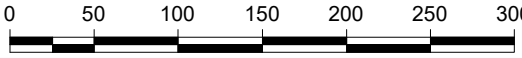
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





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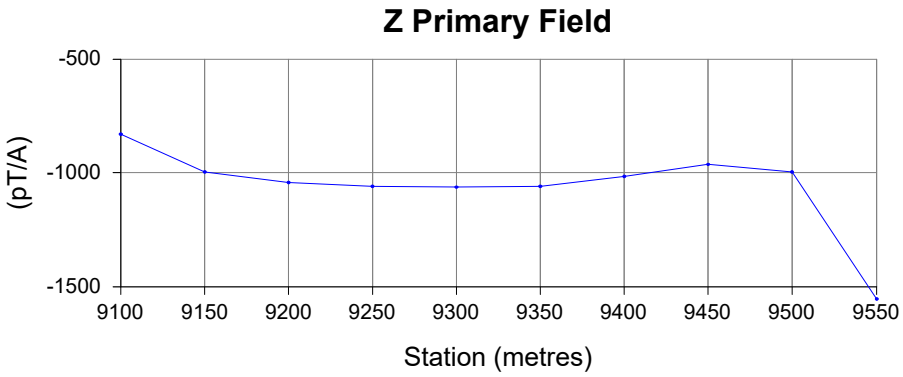
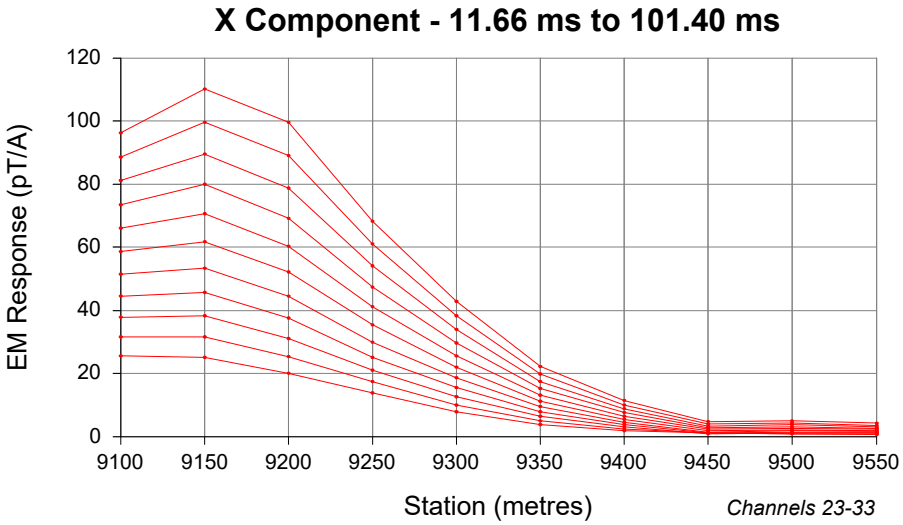
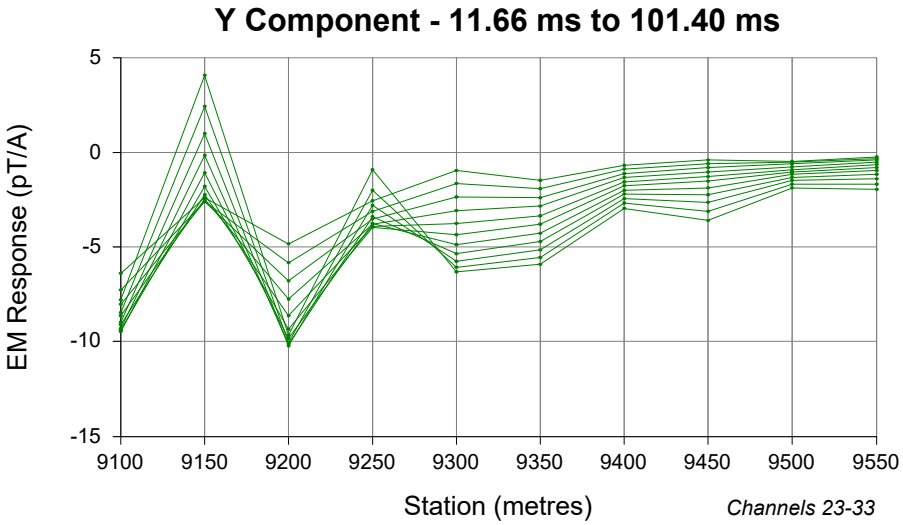
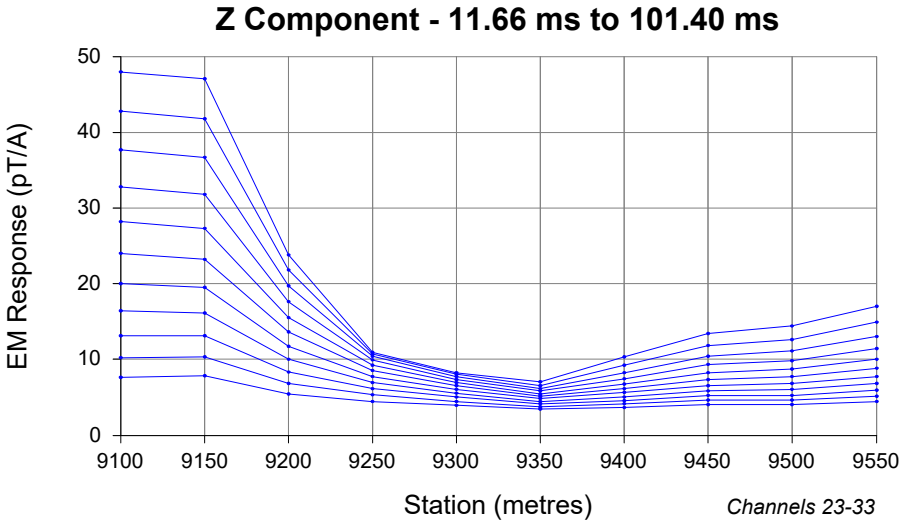








SURVEY PARAMETERS

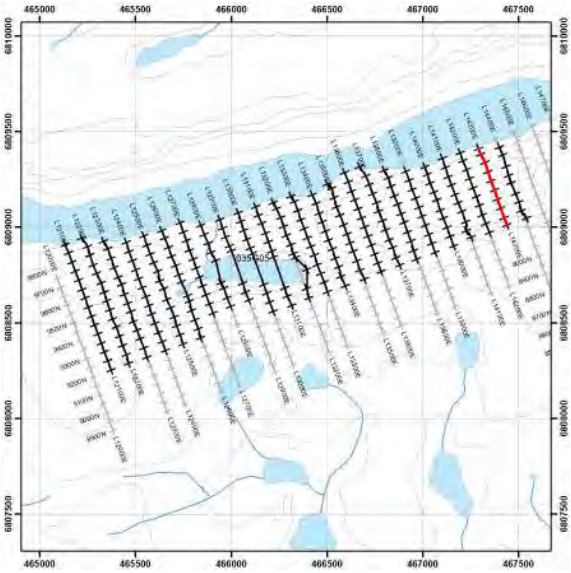
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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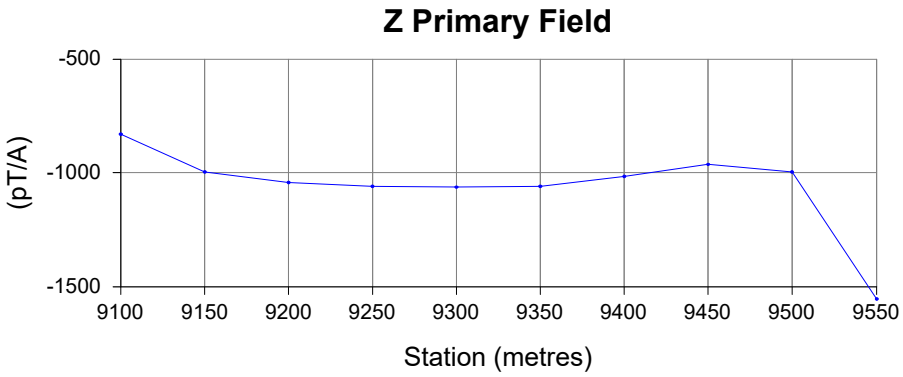
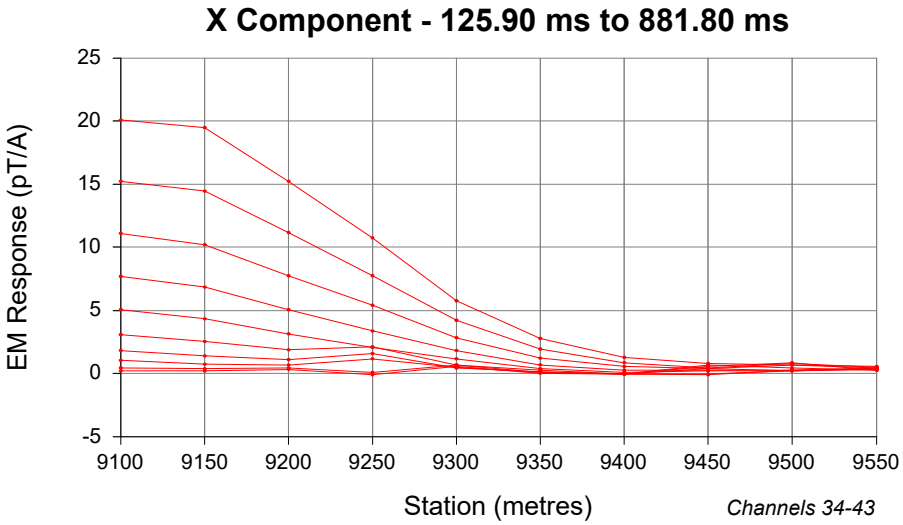
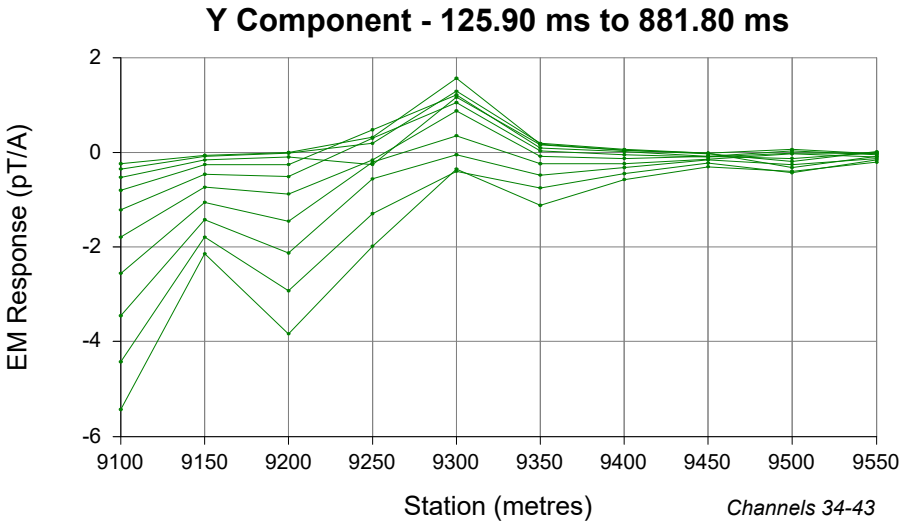
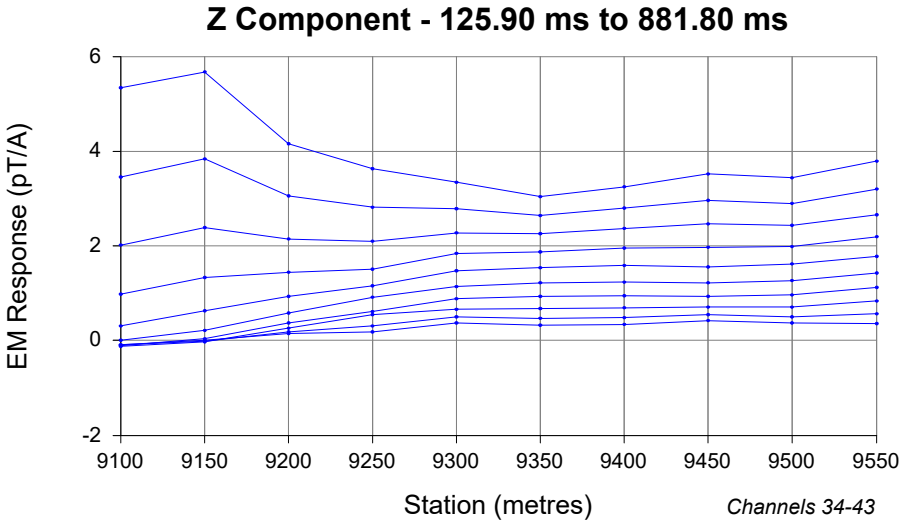








SURVEY PARAMETERS

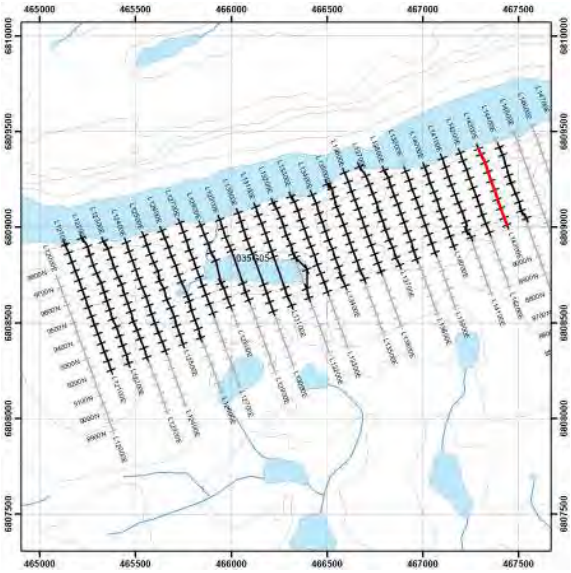
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14300E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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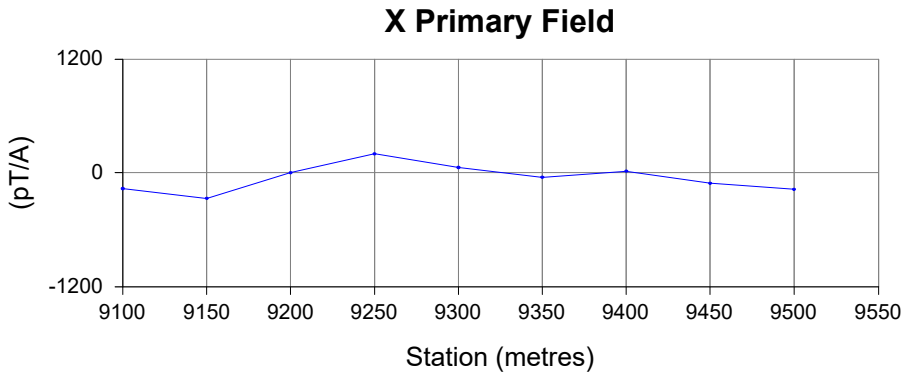
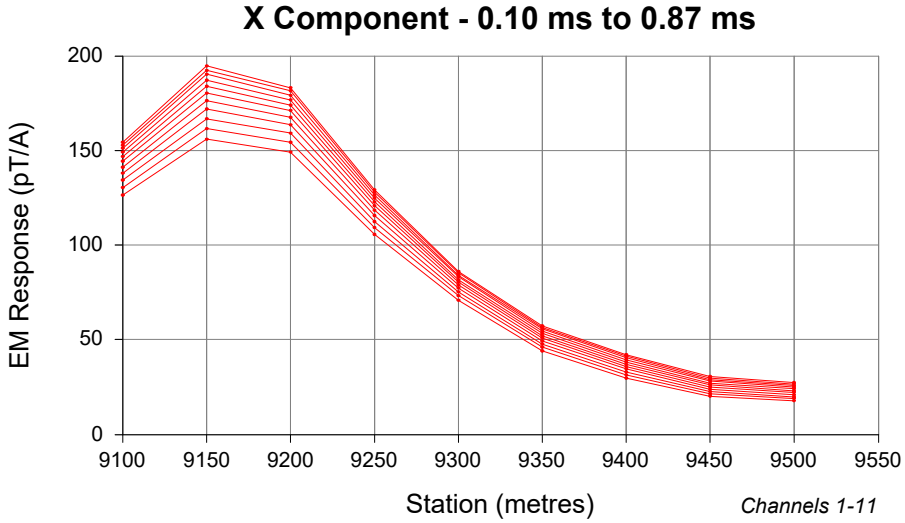
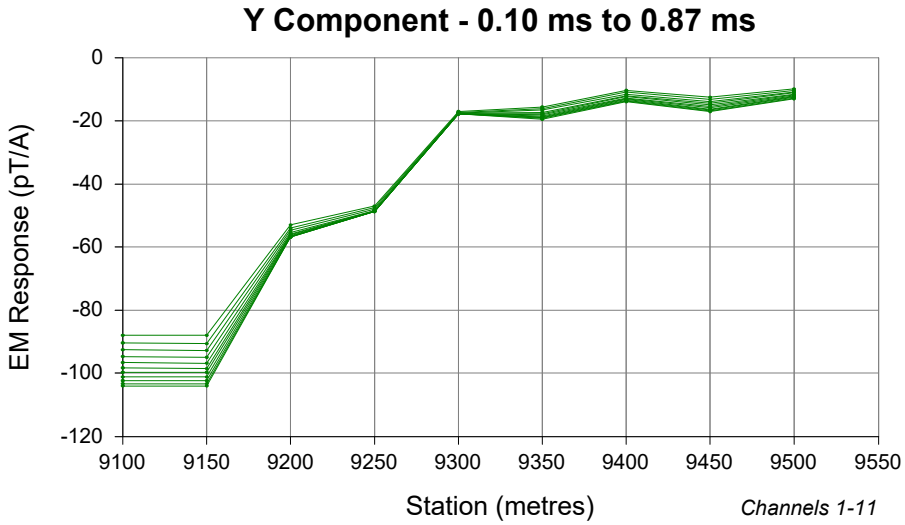
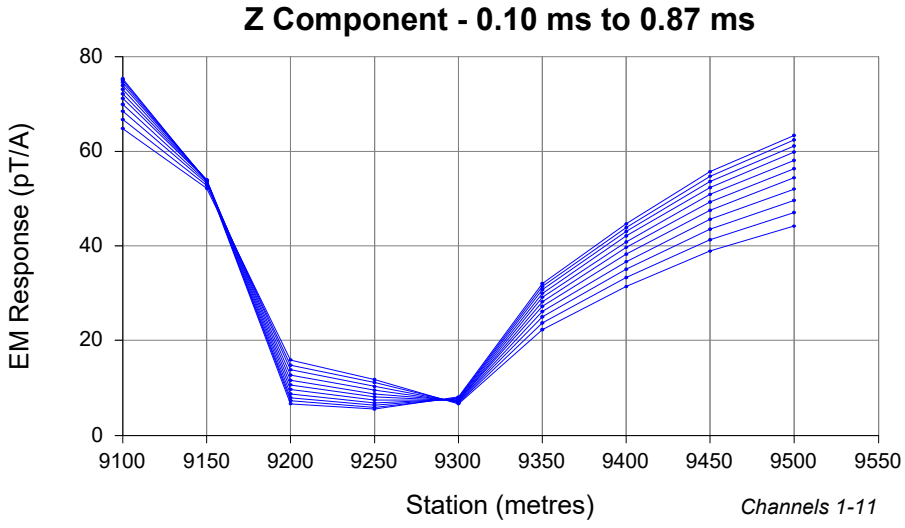








SURVEY PARAMETERS

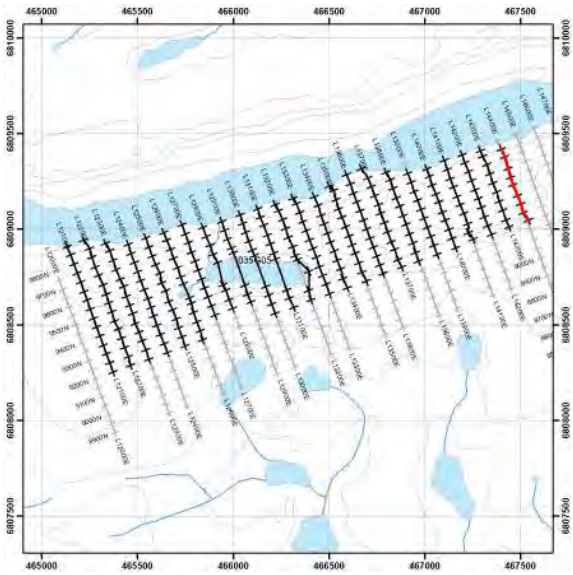
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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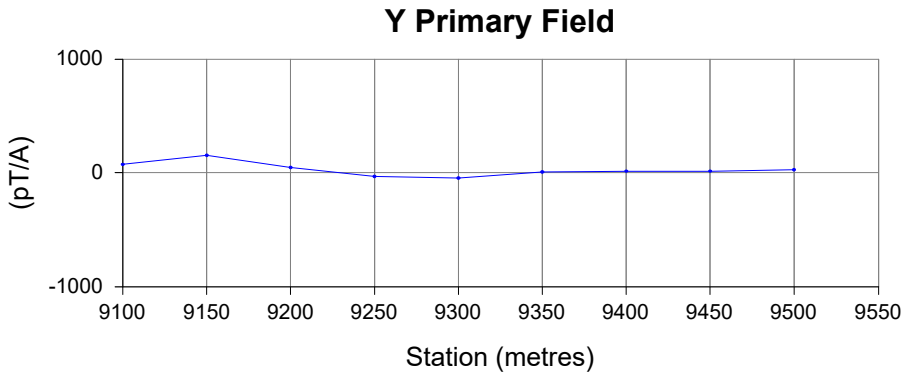
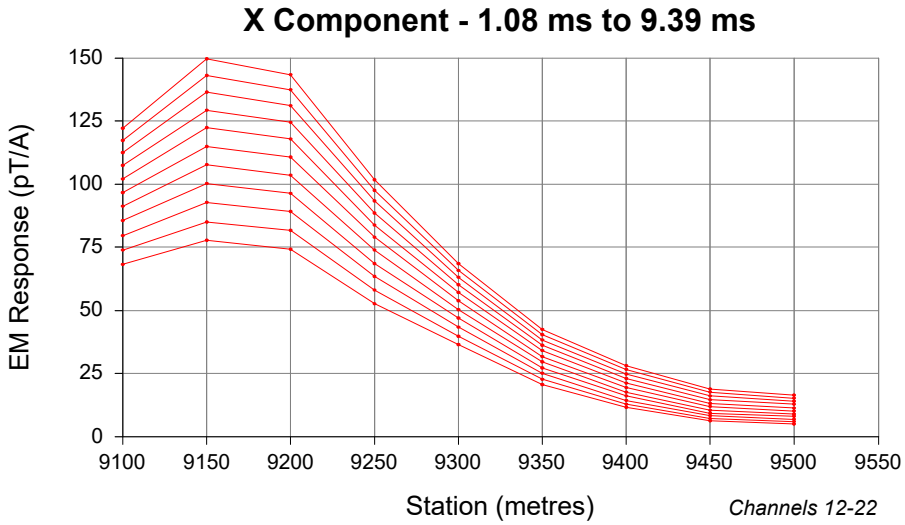
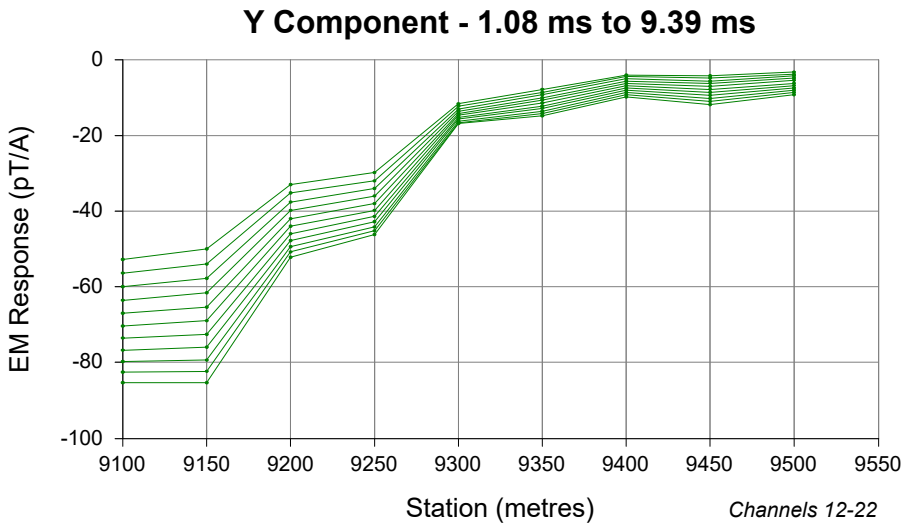
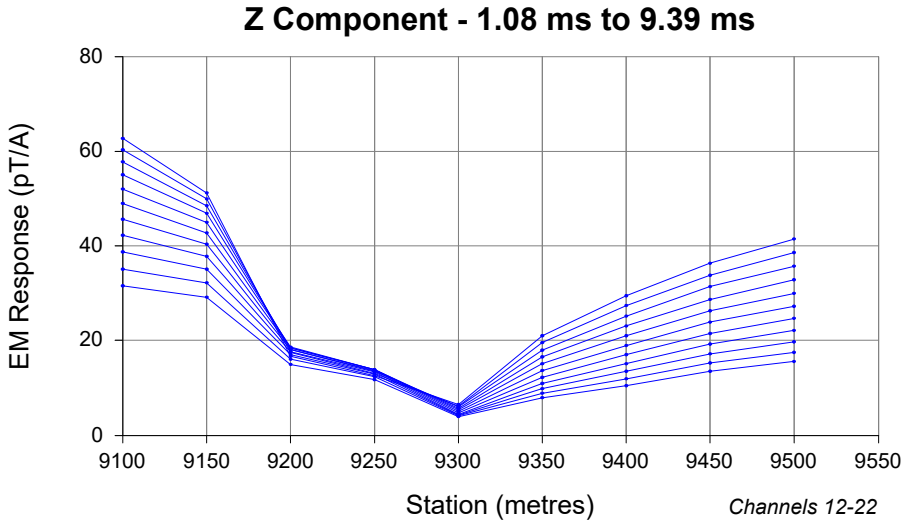








SURVEY PARAMETERS

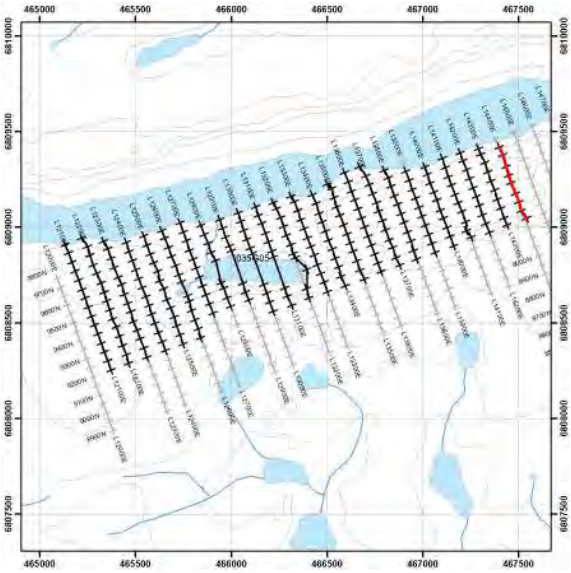
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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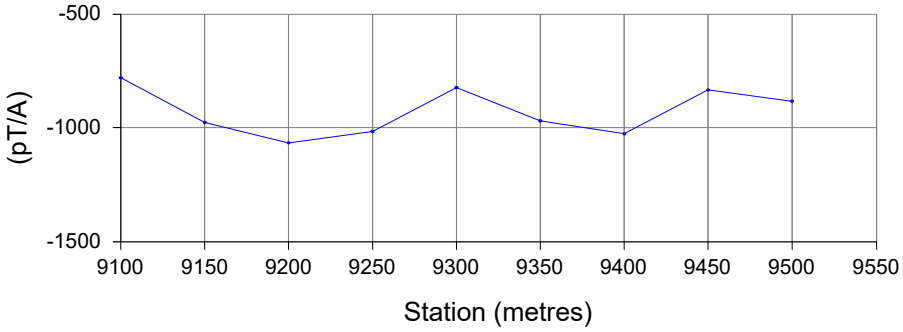
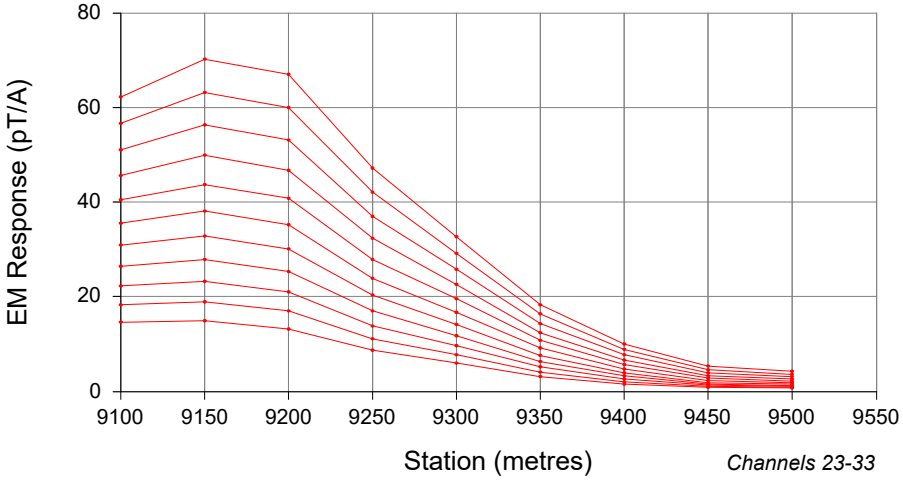
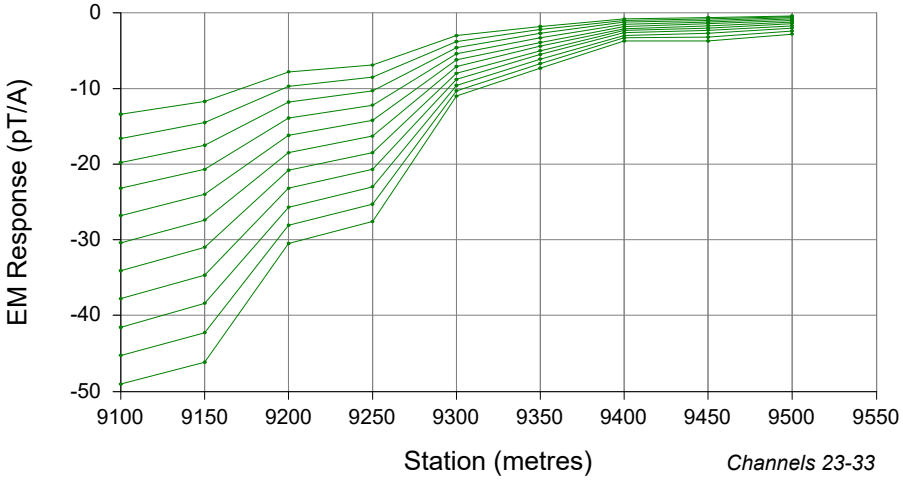
Z Primary Field



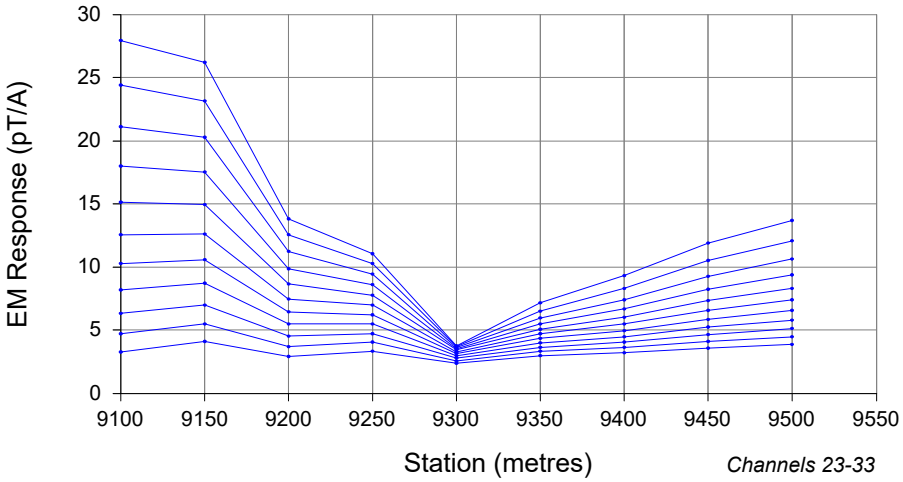
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

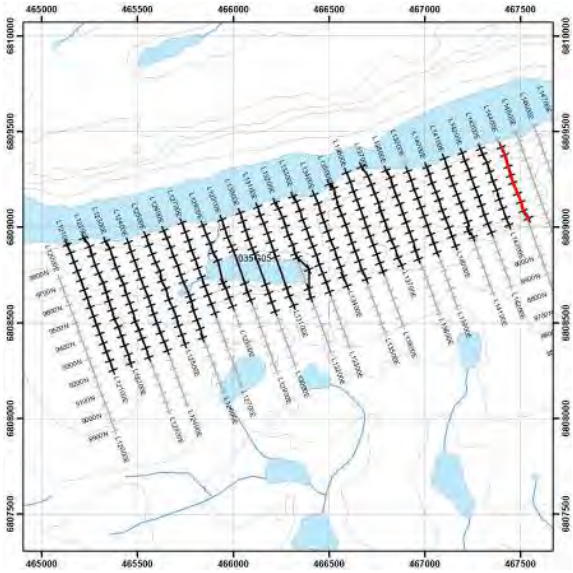
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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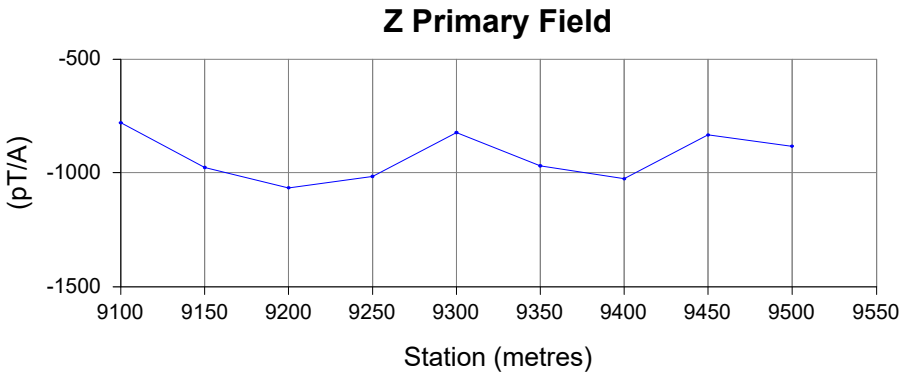
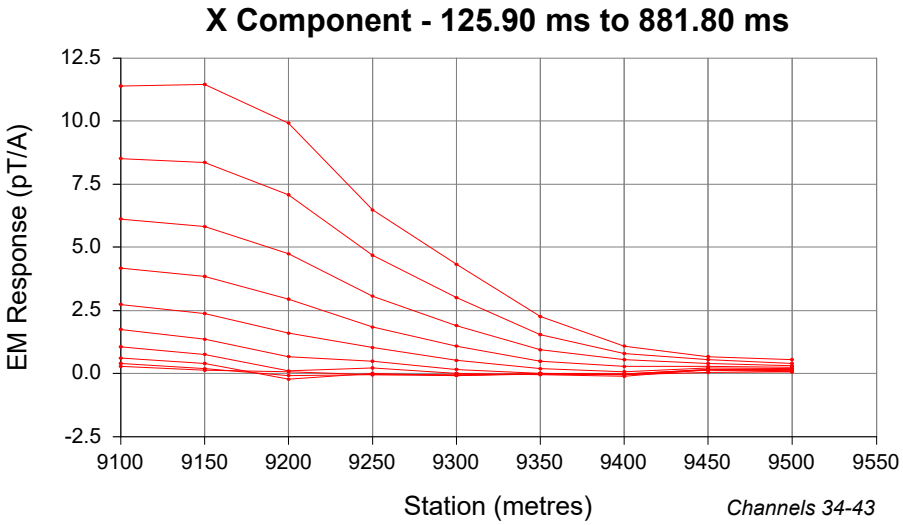
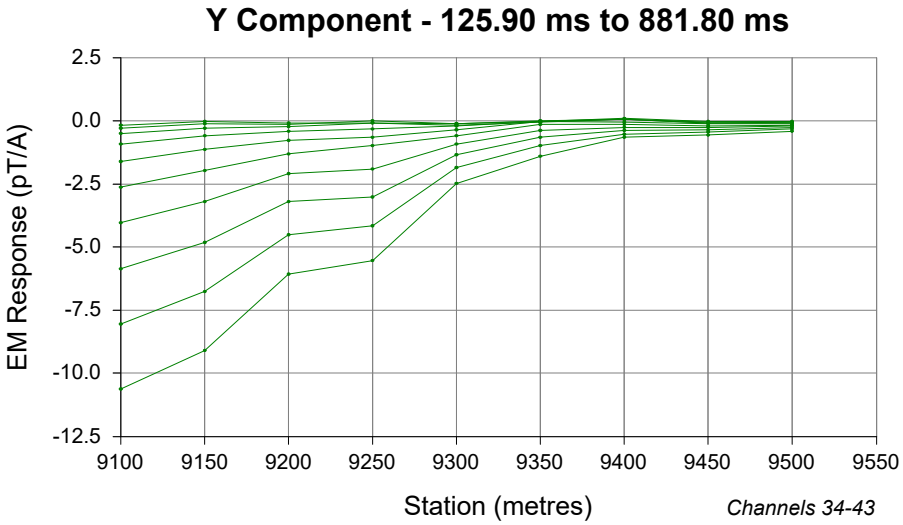
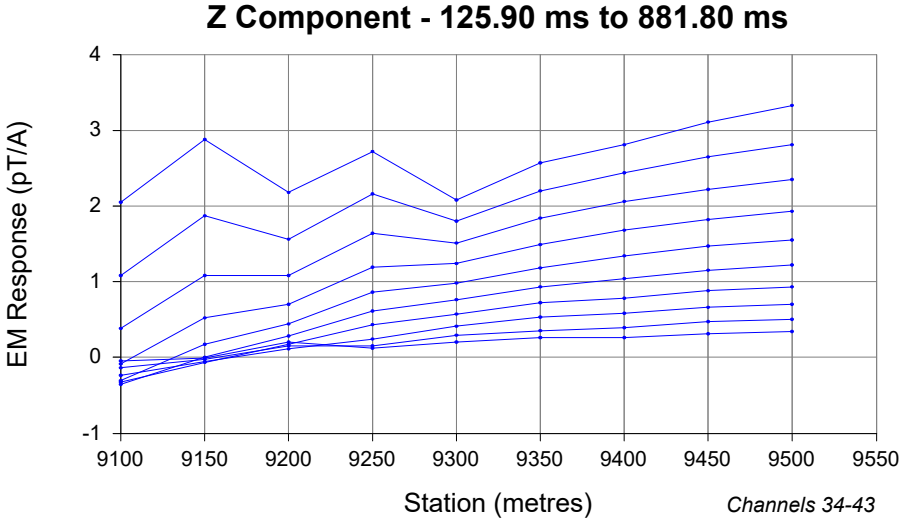








SURVEY PARAMETERS

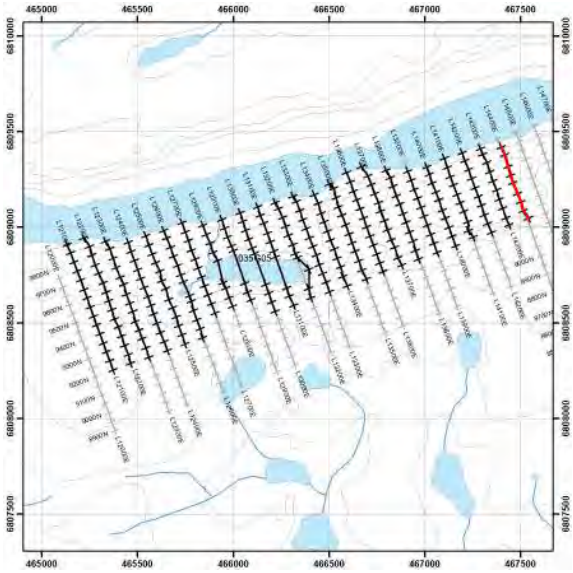
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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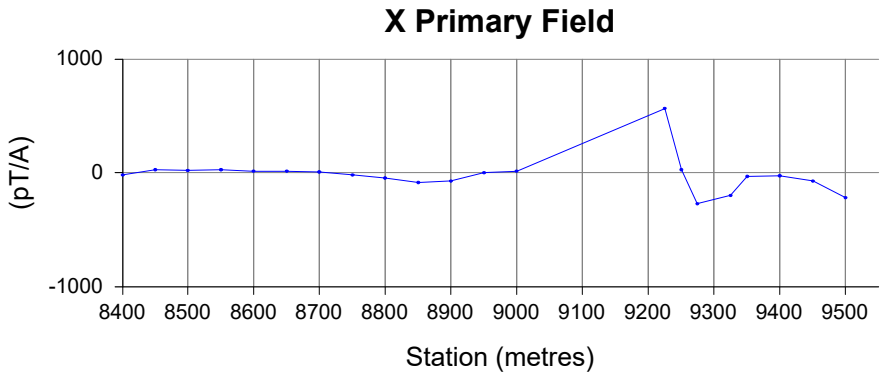
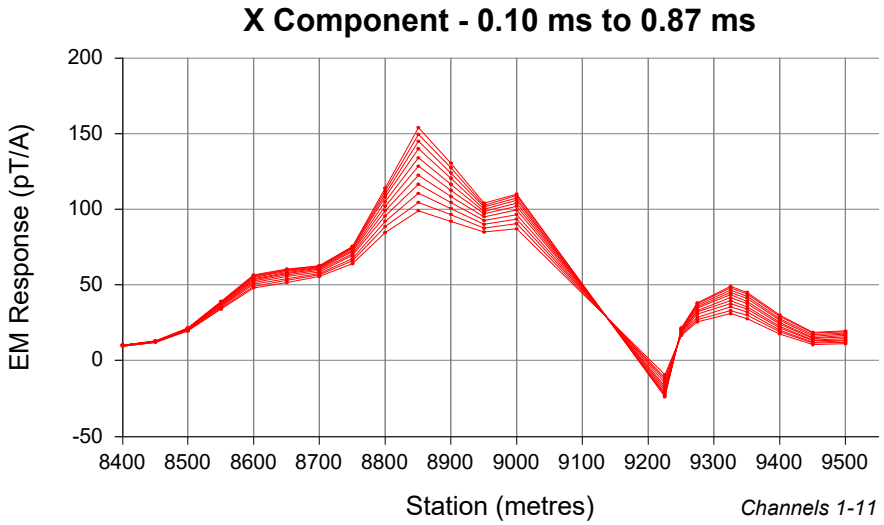
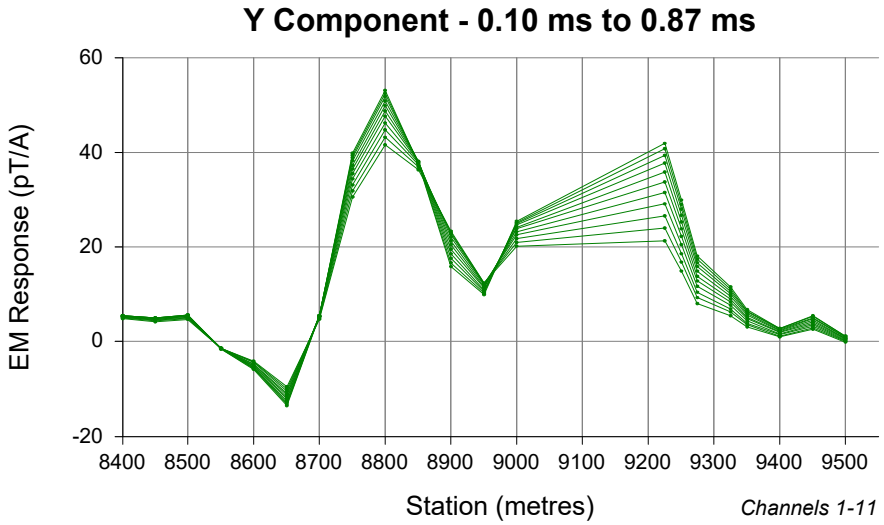
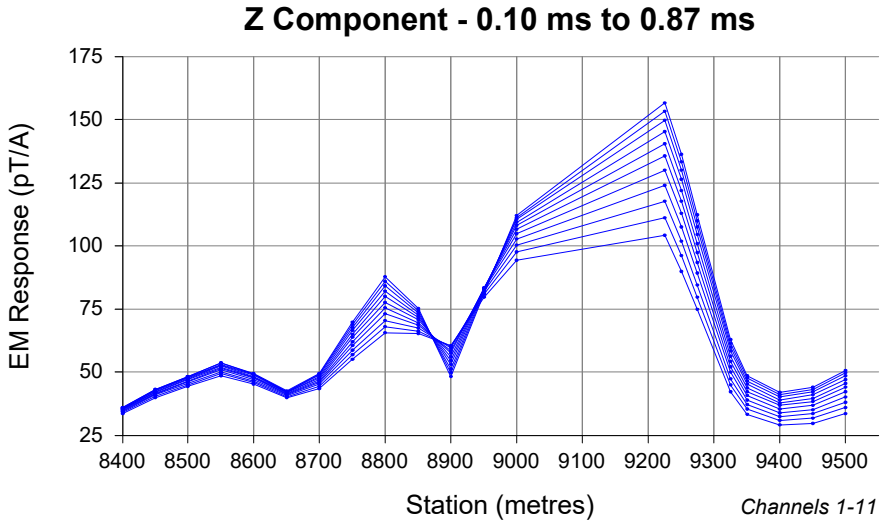








SURVEY PARAMETERS

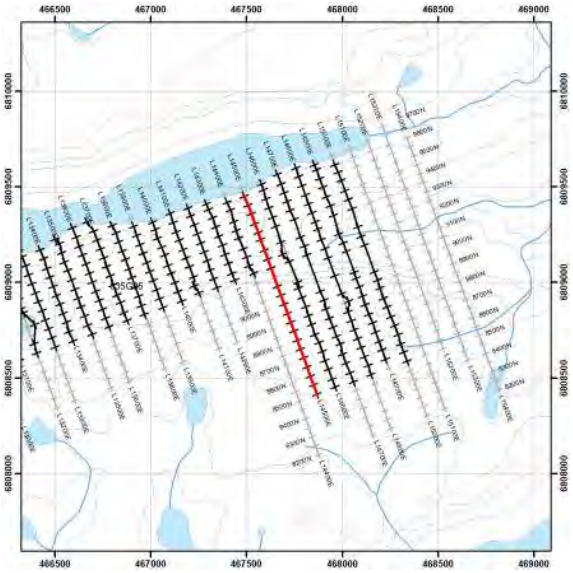
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

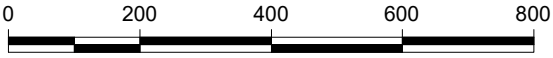
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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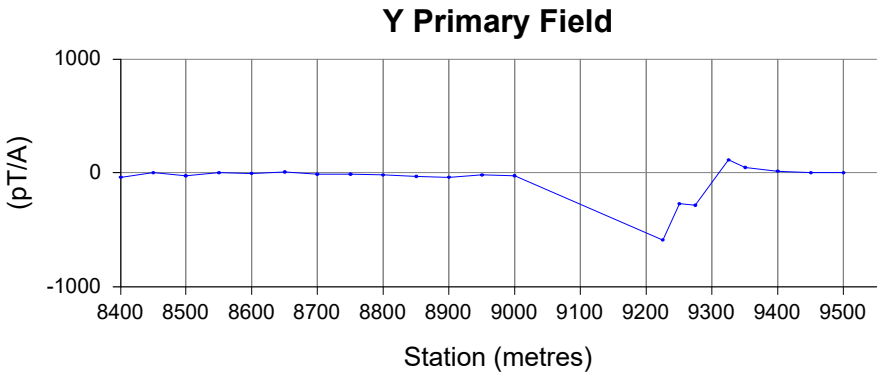
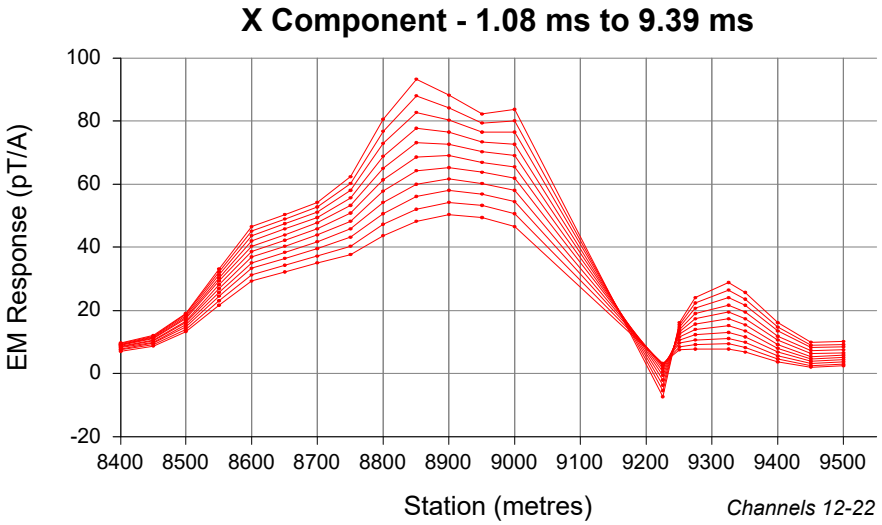
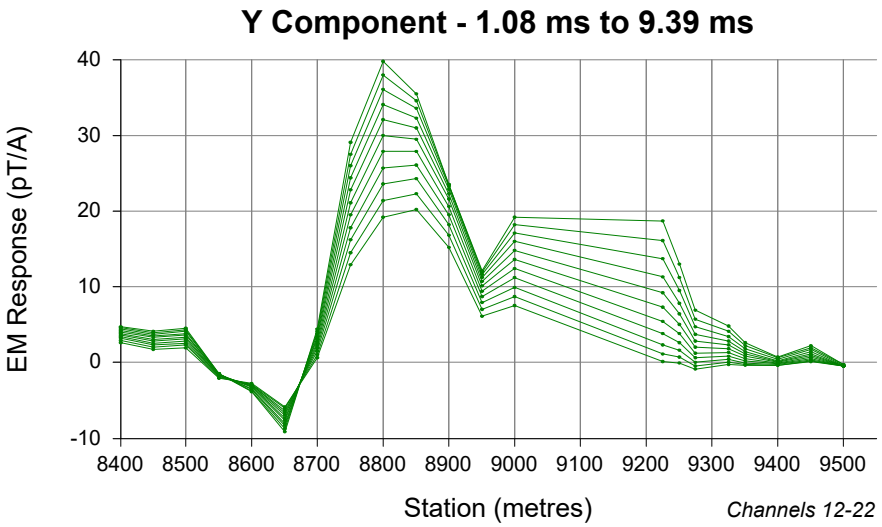
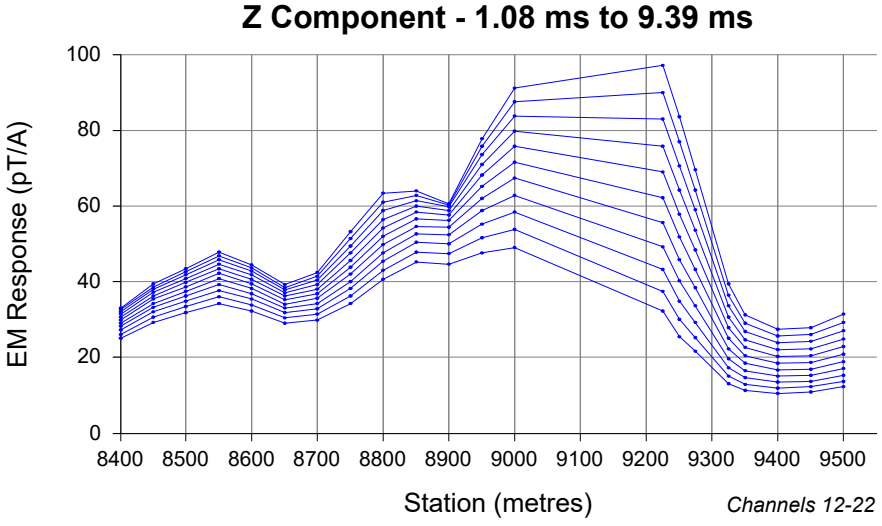








SURVEY PARAMETERS

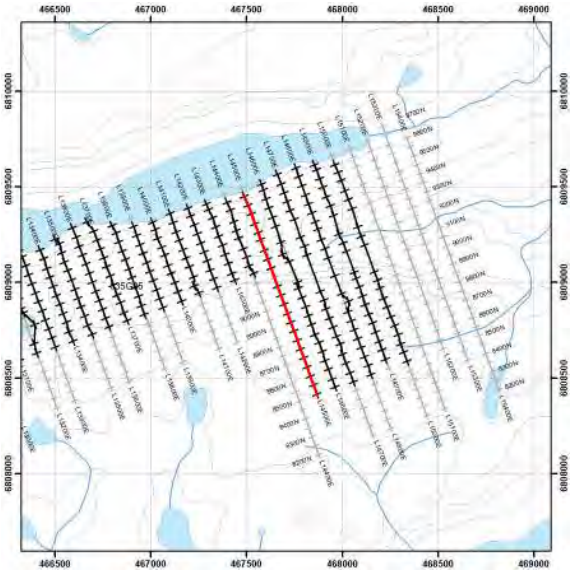
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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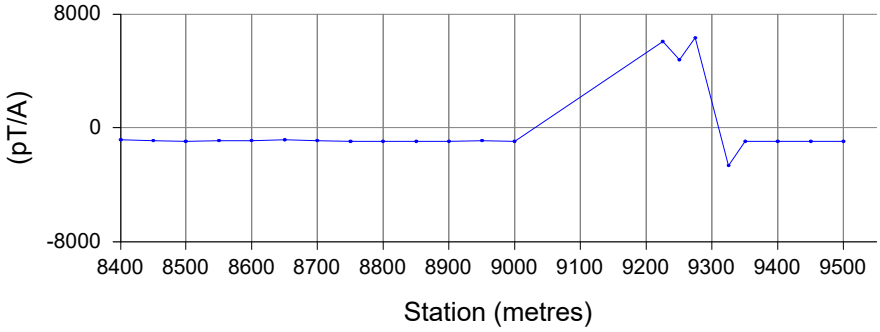
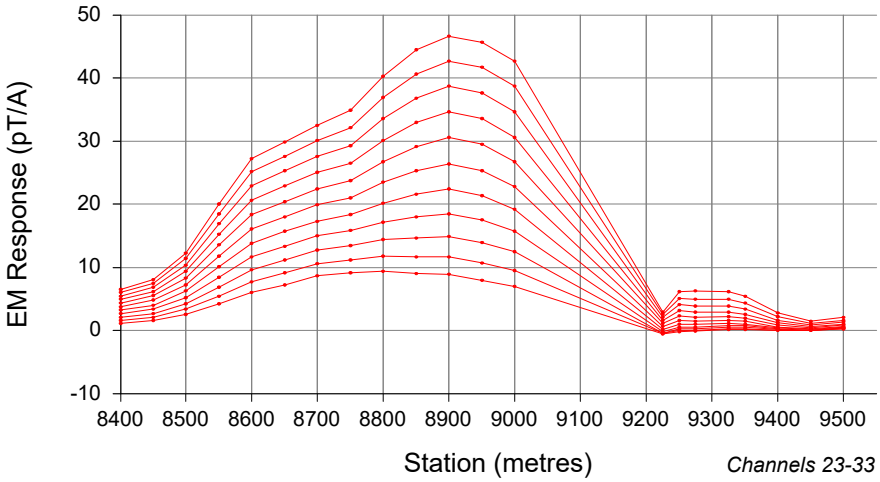
Z Primary Field

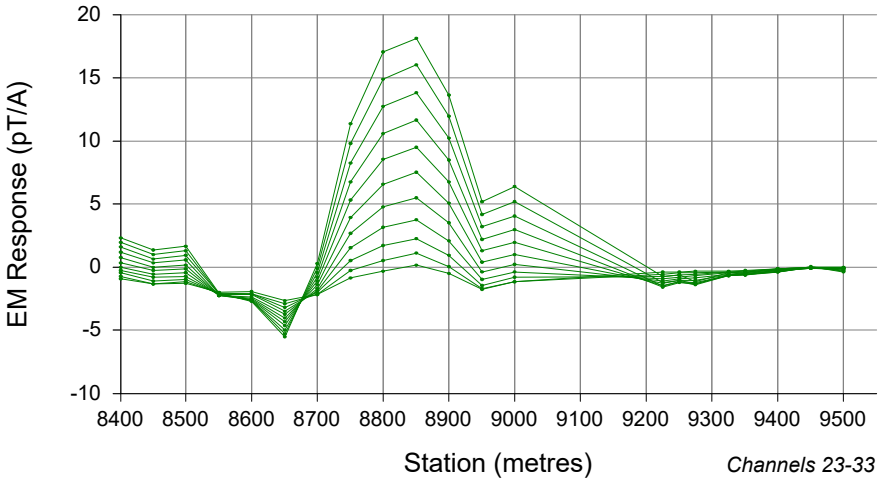


X Component - 11.66 ms to 101.40 ms



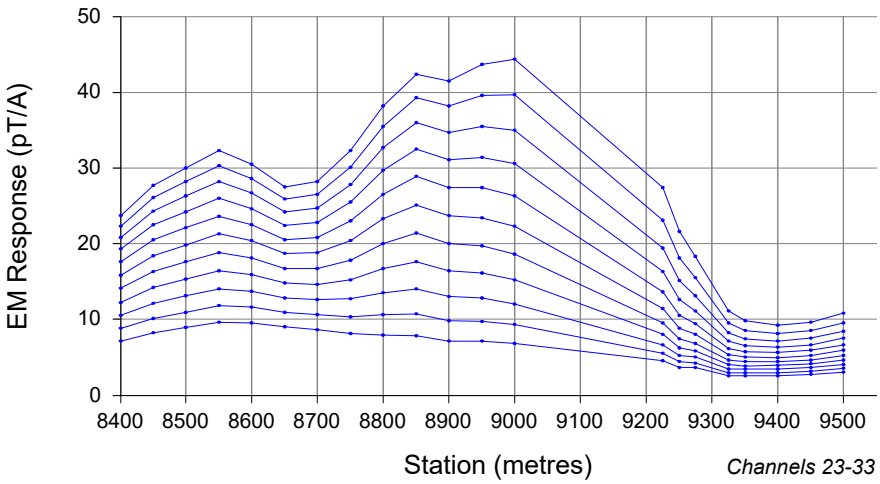
Channels 23-33

Y Component - 11.66 ms to 101.40 ms



Channels 23-33

Z Component - 11.66 ms to 101.40 ms



Channels 23-33

SURVEY PARAMETERS

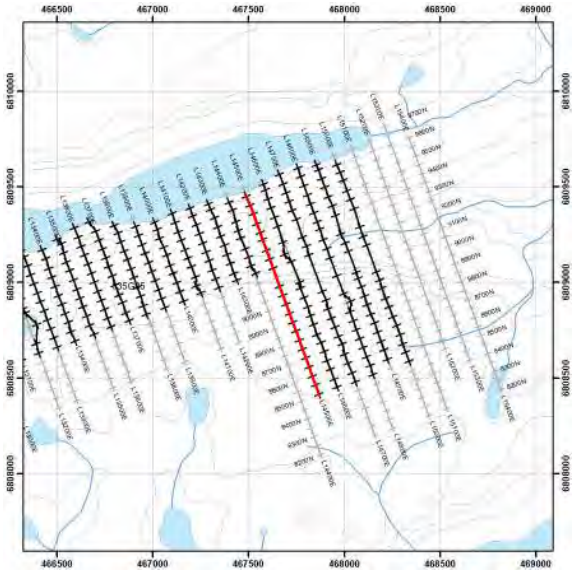
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

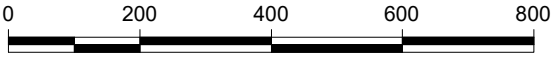
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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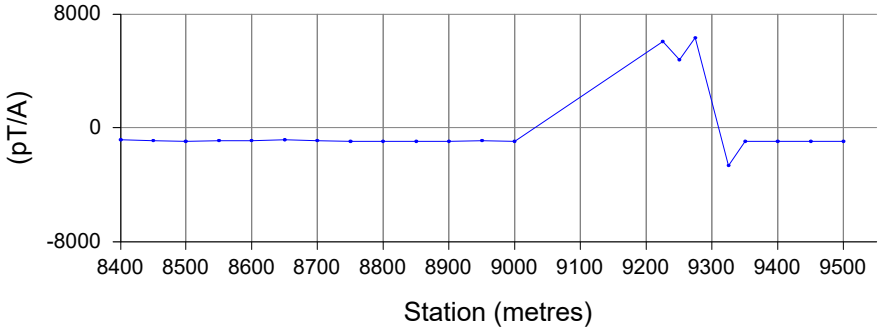
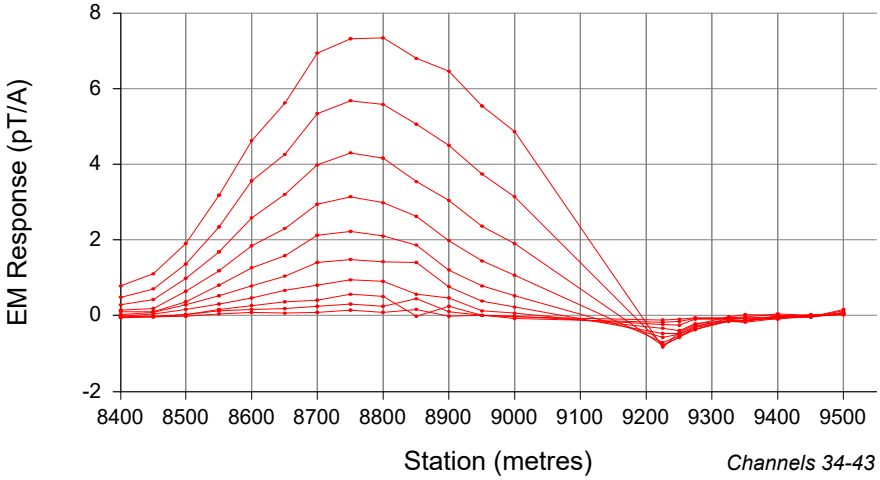
Z Primary Field

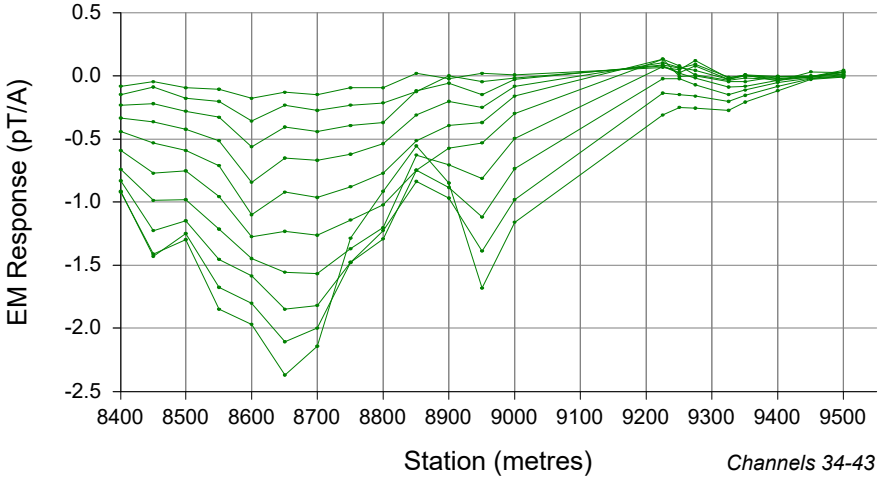


X Component - 125.90 ms to 881.80 ms



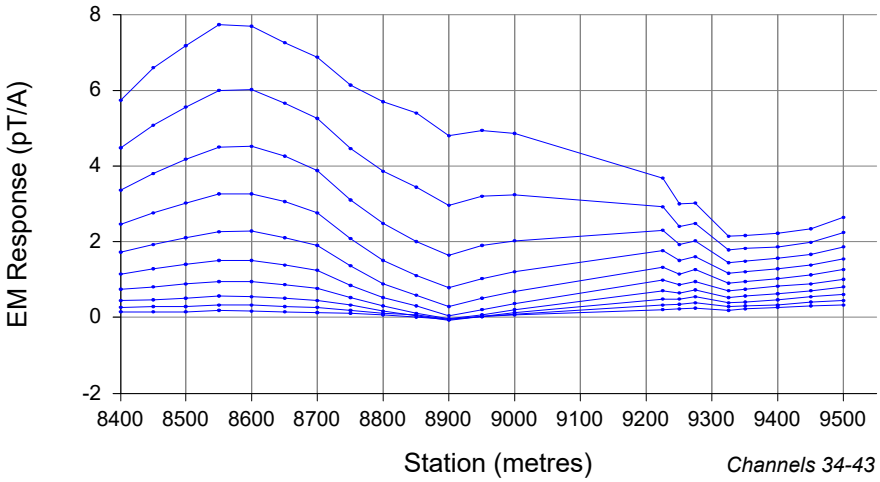
Channels 34-43

Y Component - 125.90 ms to 881.80 ms



Channels 34-43

Z Component - 125.90 ms to 881.80 ms



Channels 34-43

SURVEY PARAMETERS

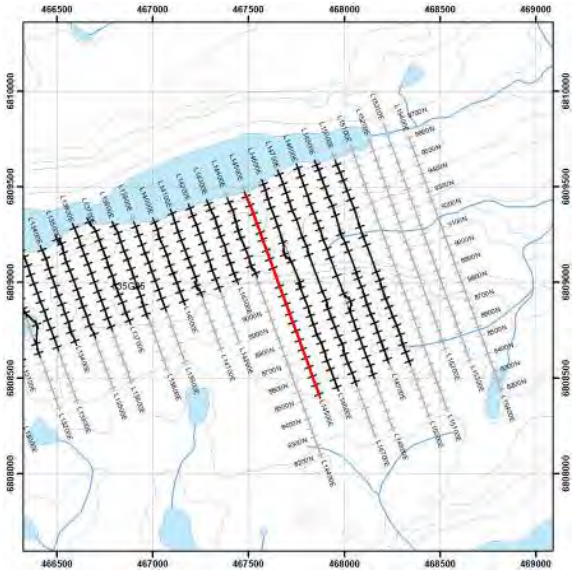
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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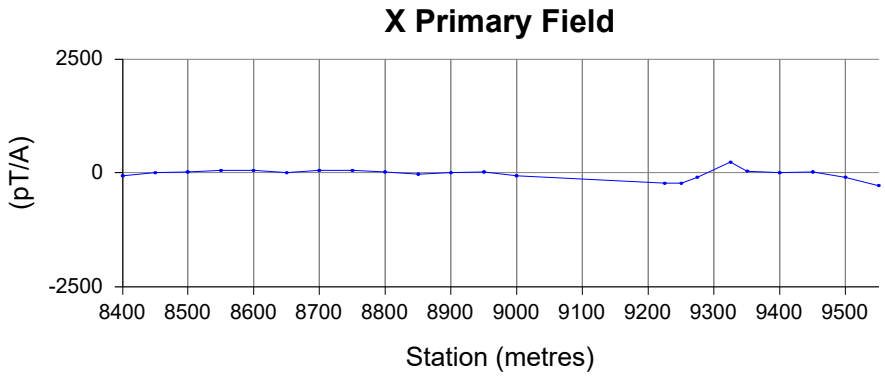
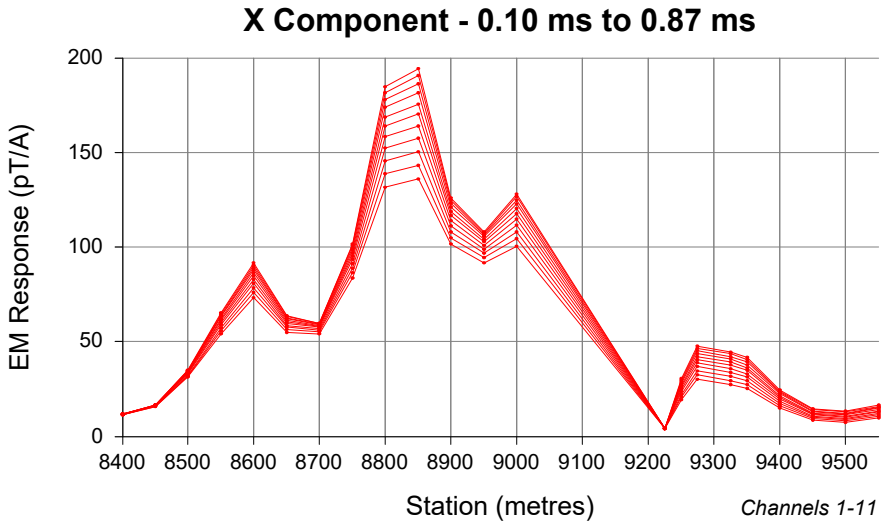
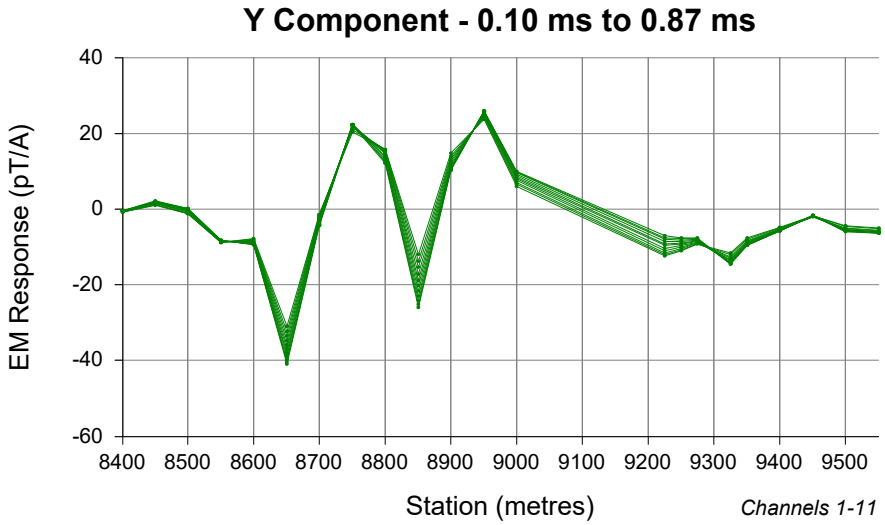
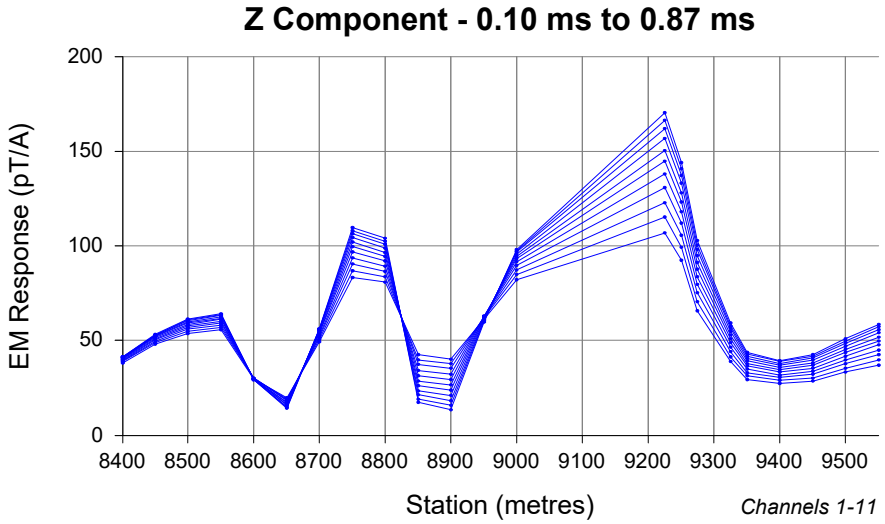








SURVEY PARAMETERS

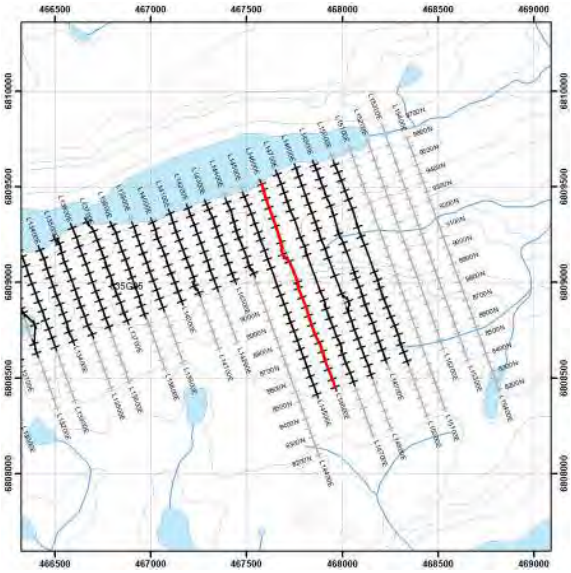
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

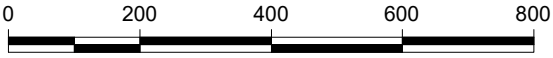
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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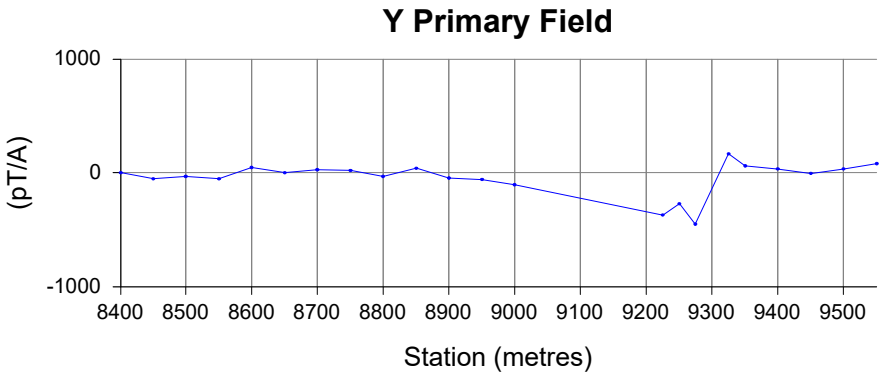
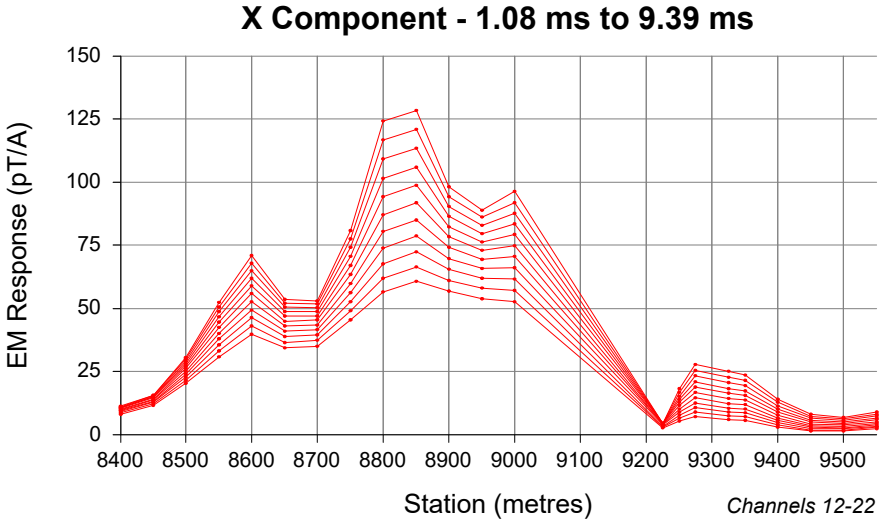
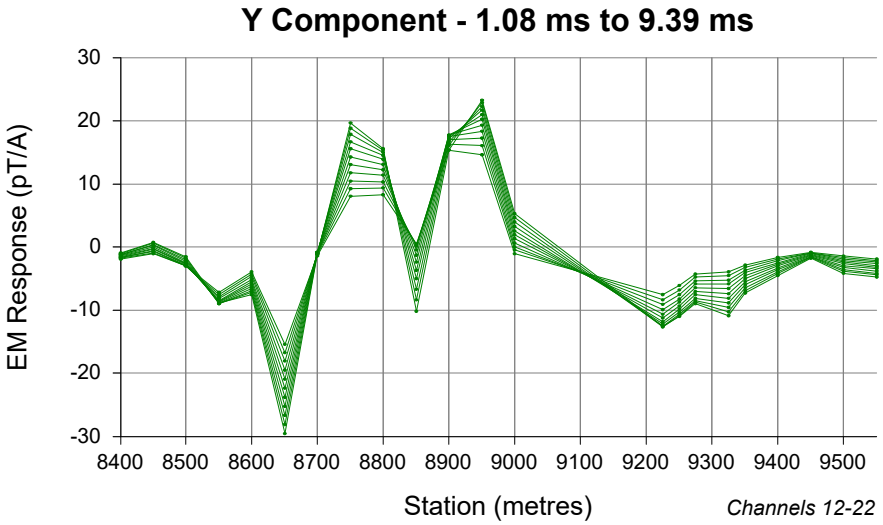
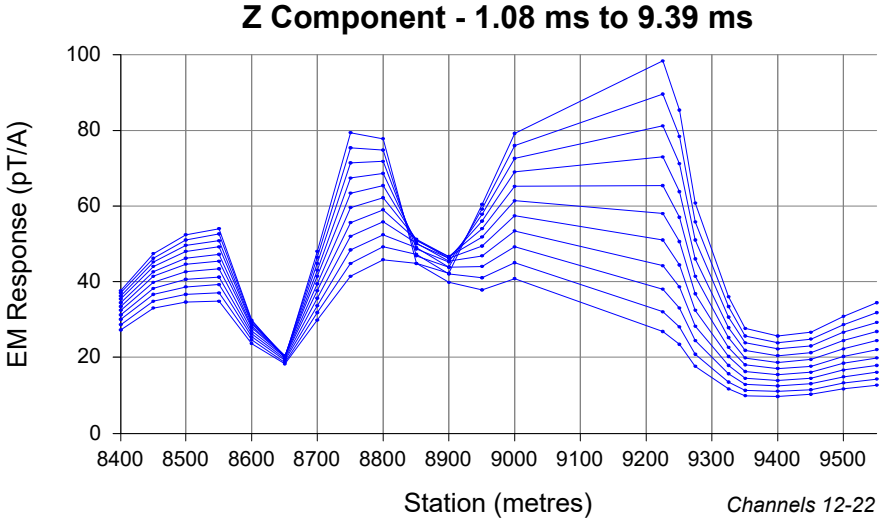








SURVEY PARAMETERS

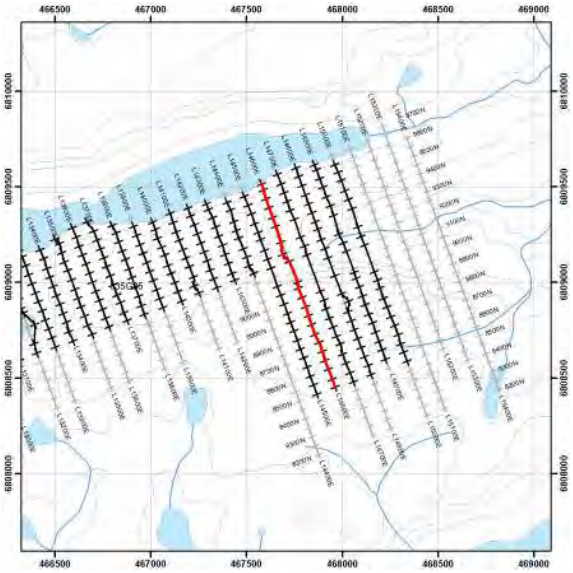
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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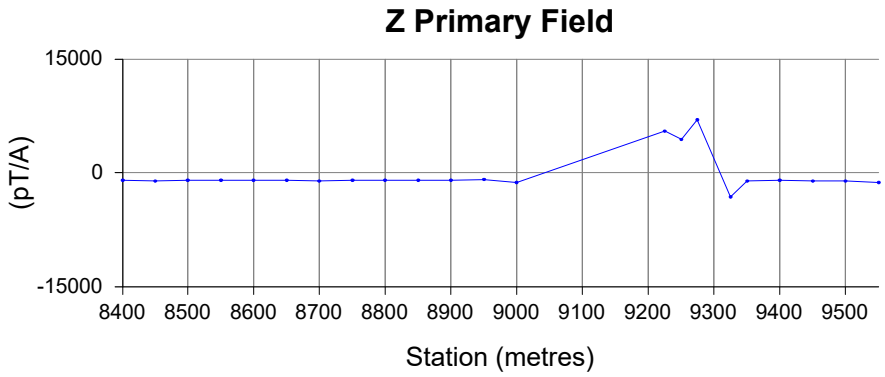
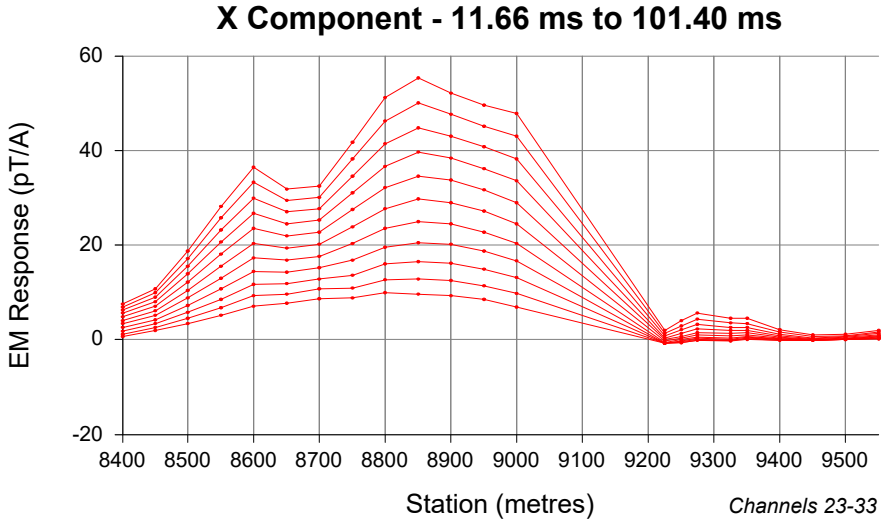
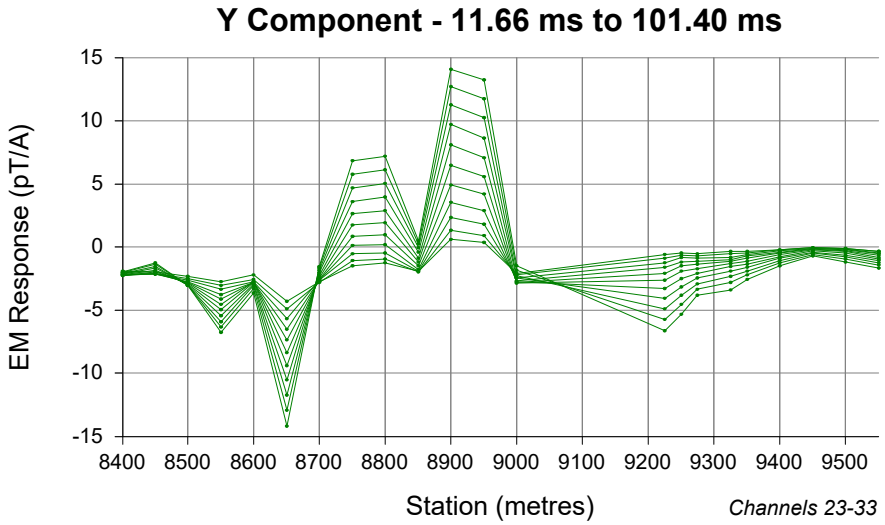
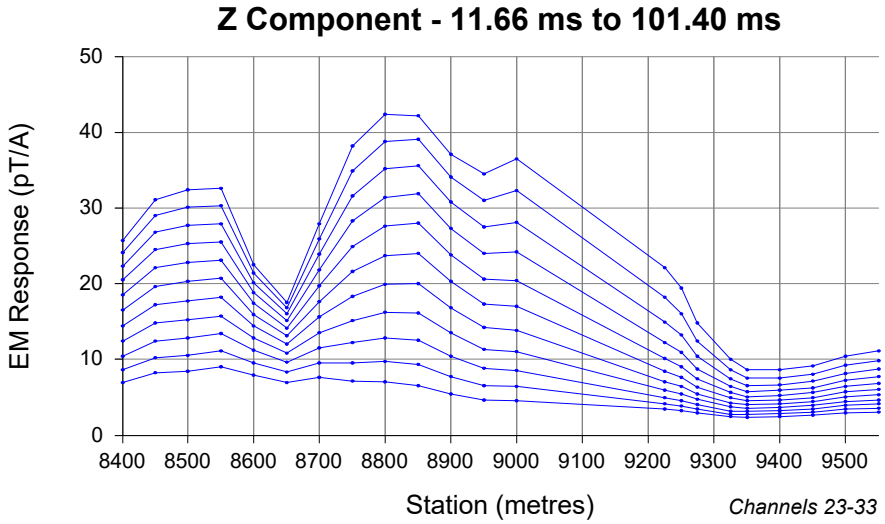








SURVEY PARAMETERS

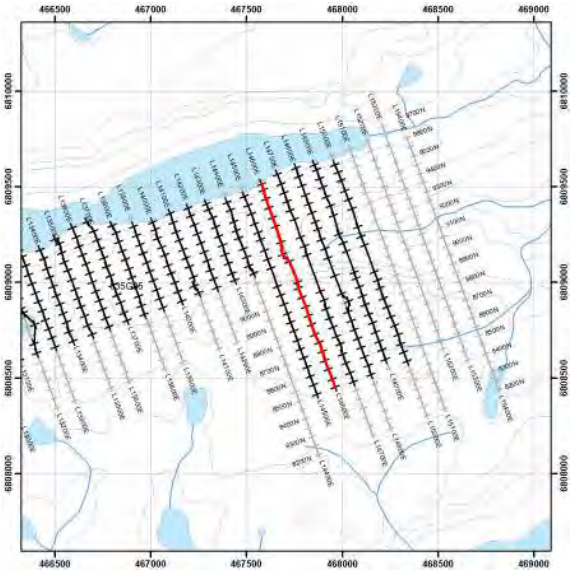
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

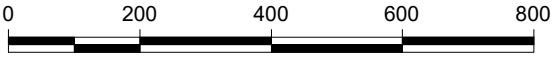
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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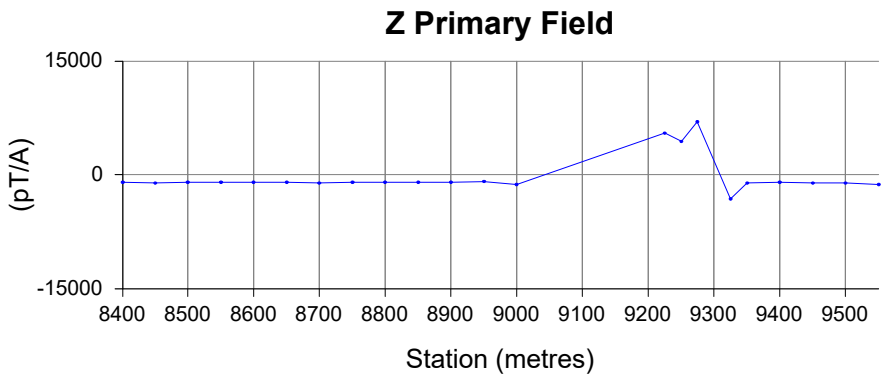
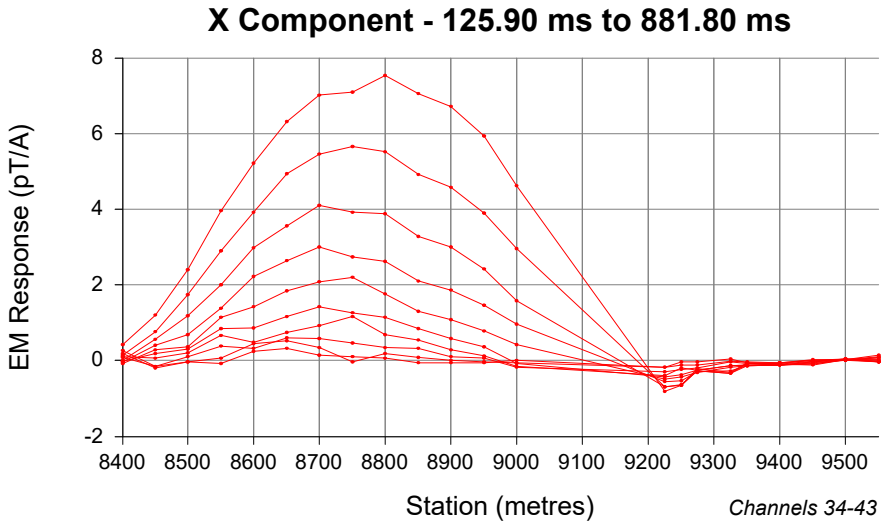
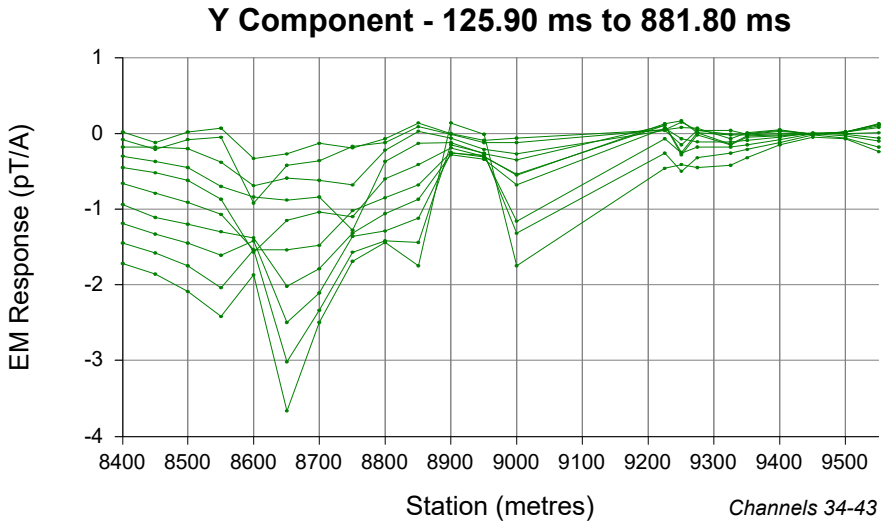
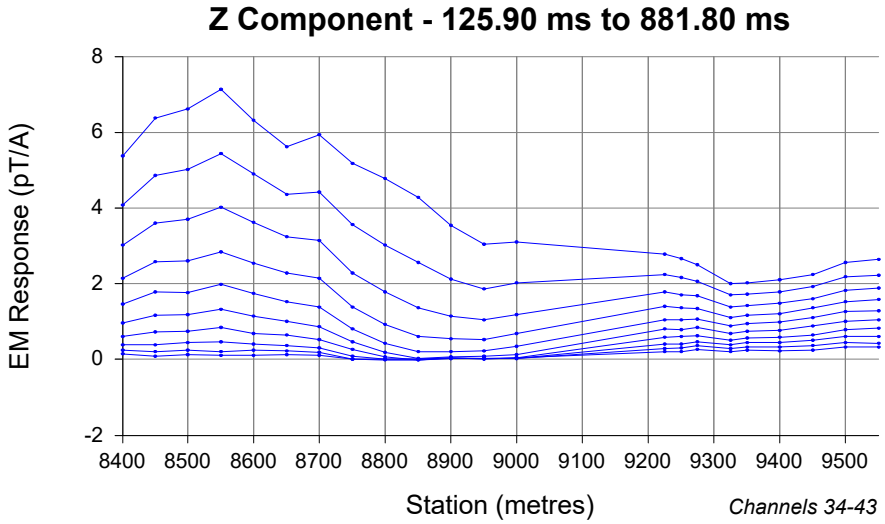








SURVEY PARAMETERS

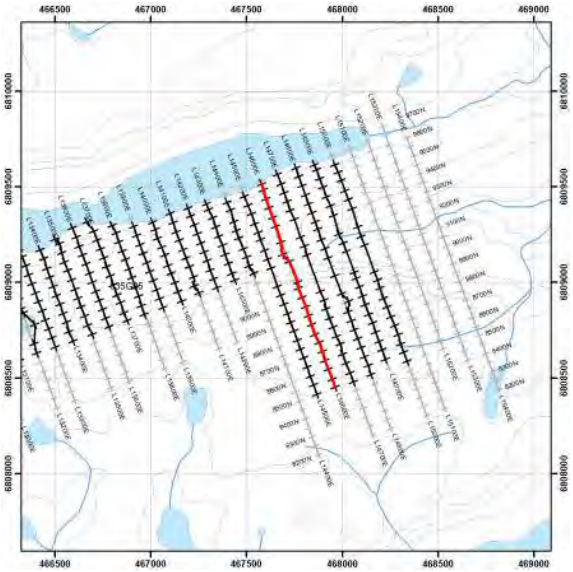
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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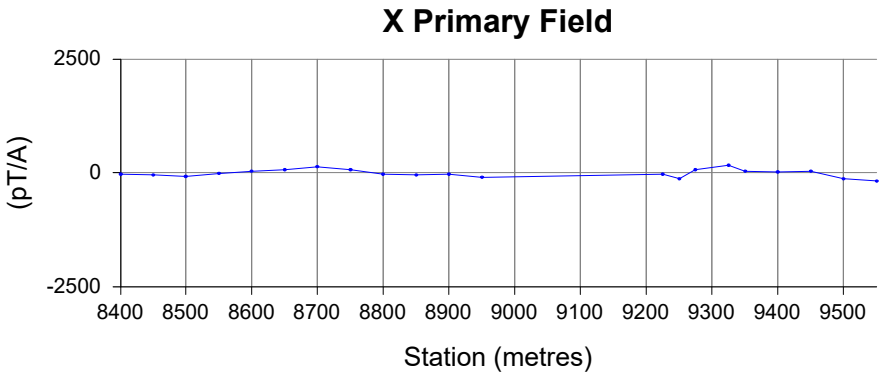
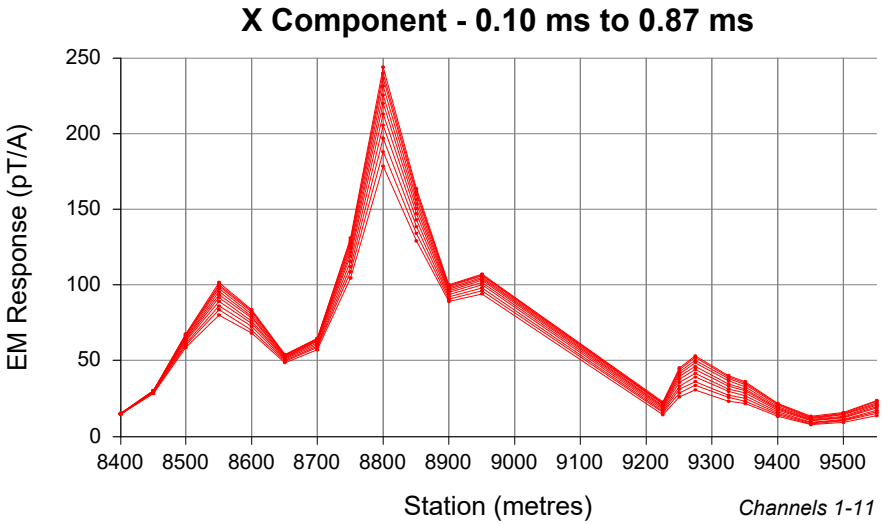
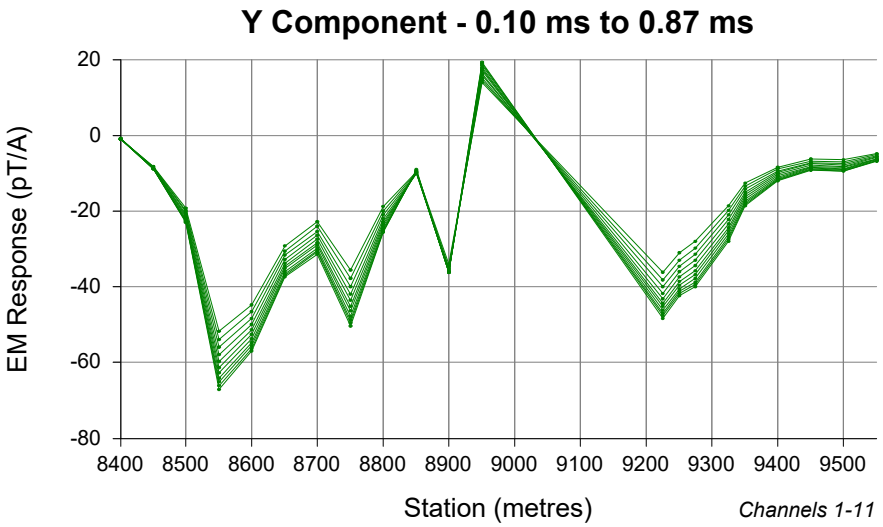
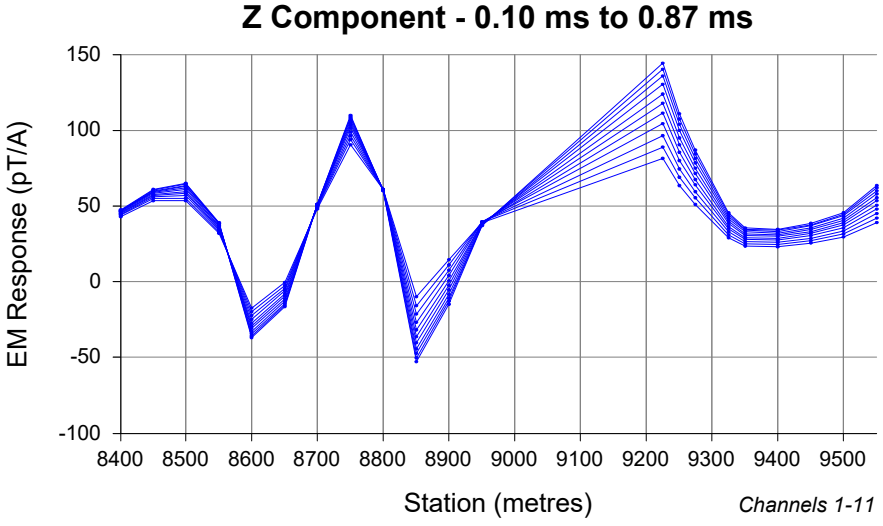








SURVEY PARAMETERS

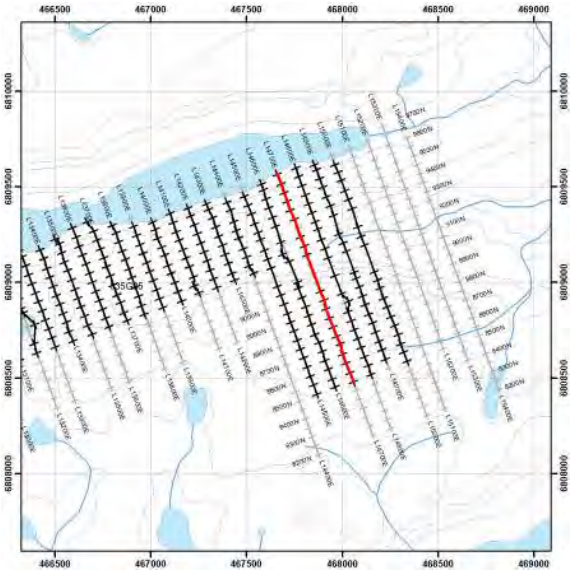
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

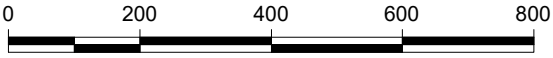
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14700E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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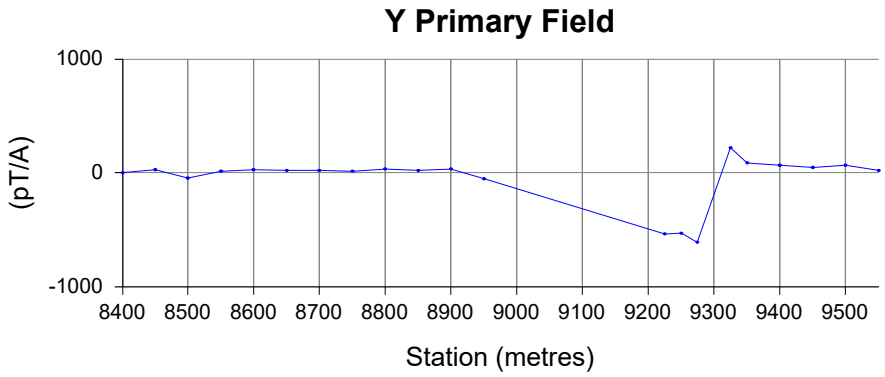
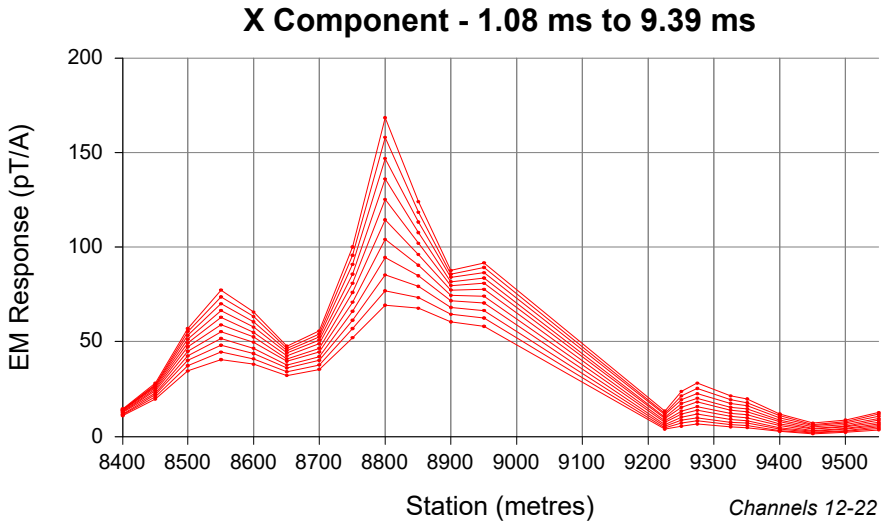
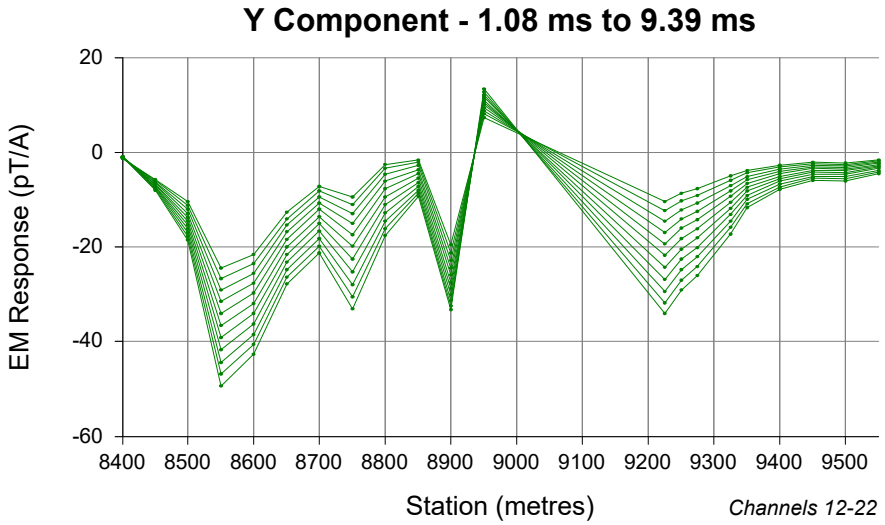
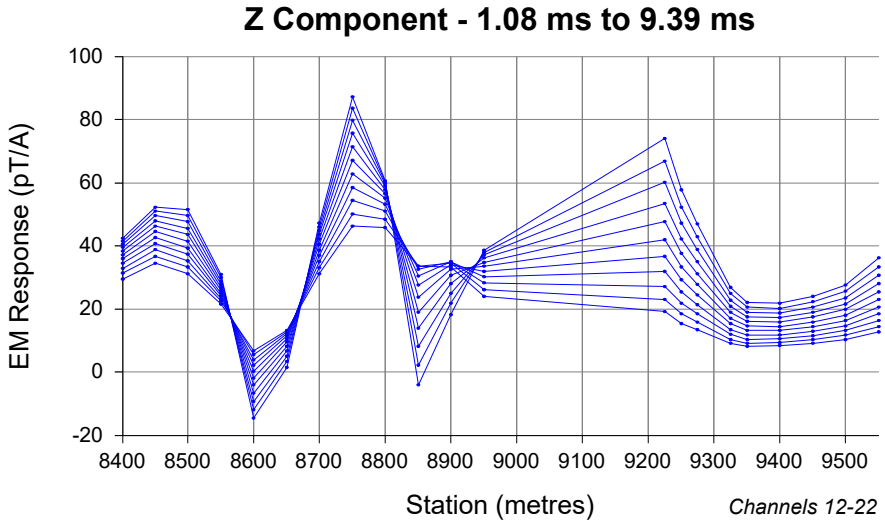








SURVEY PARAMETERS

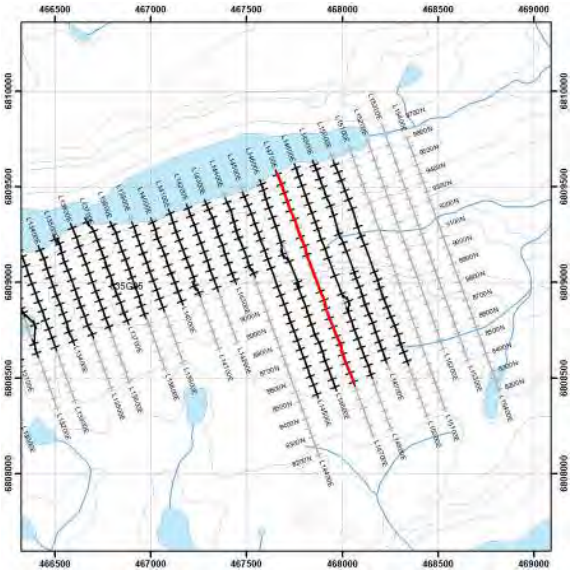
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14700E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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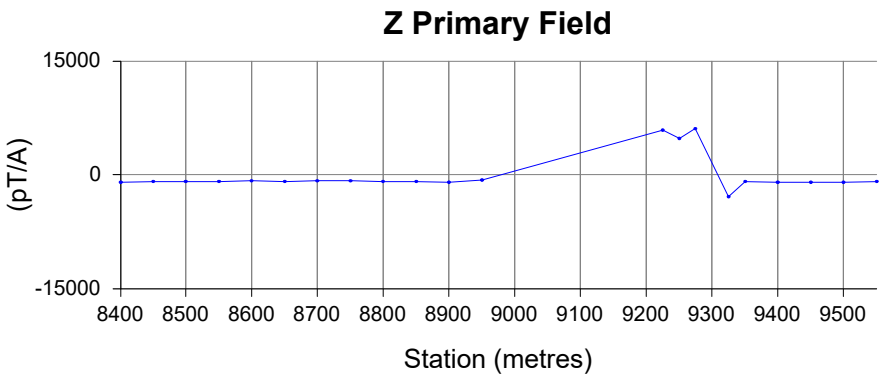
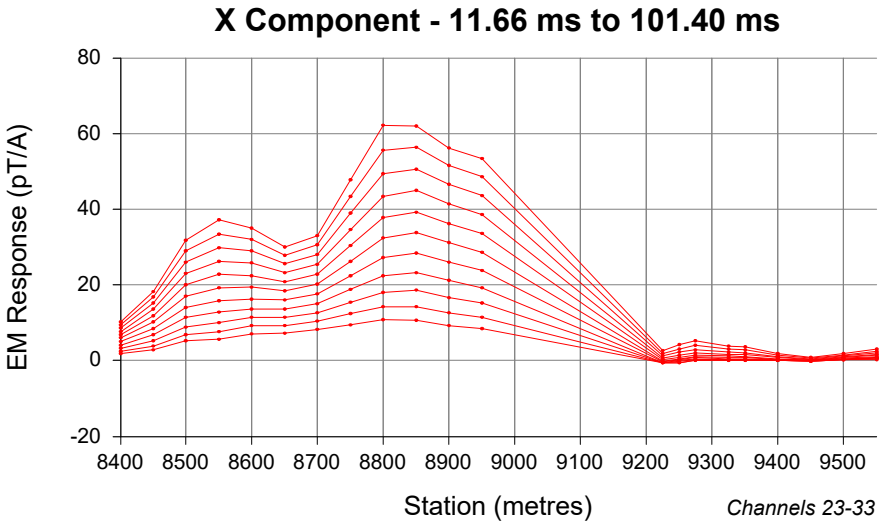
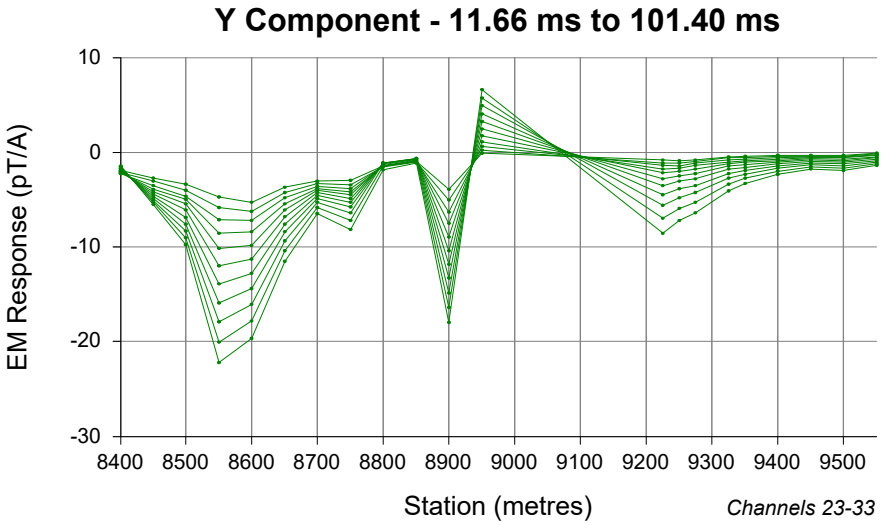
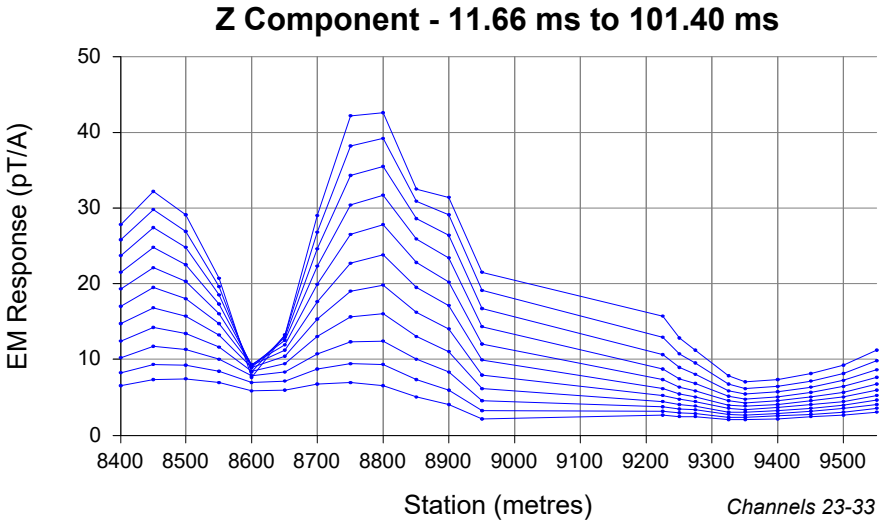








SURVEY PARAMETERS

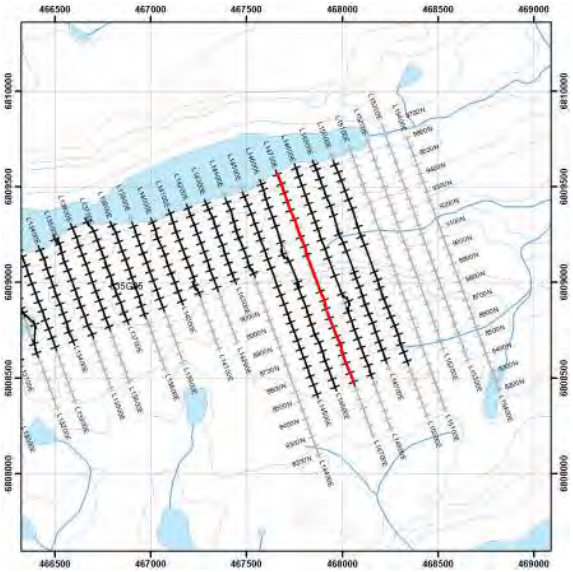
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

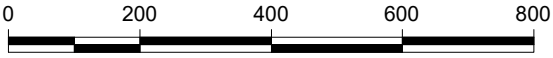
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14700E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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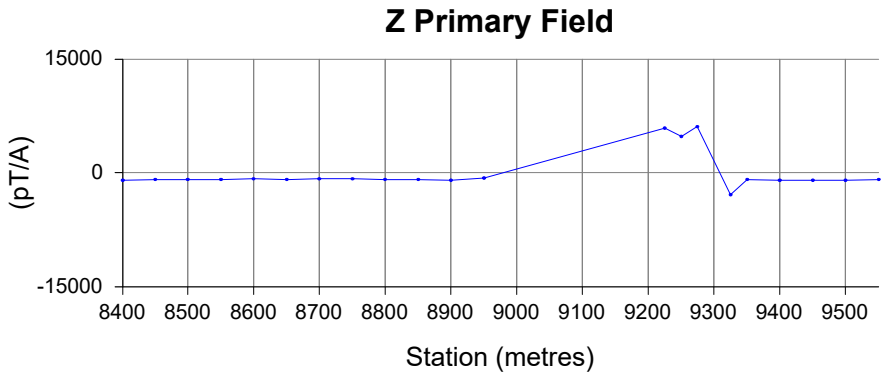
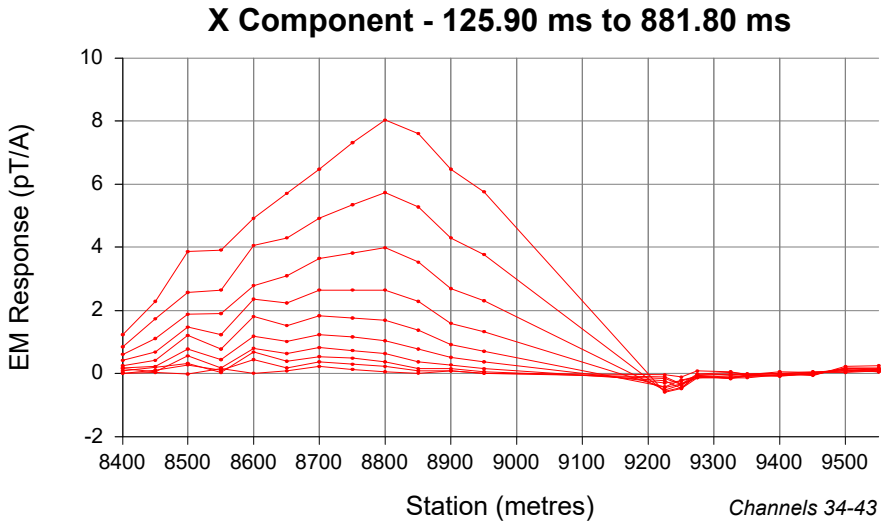
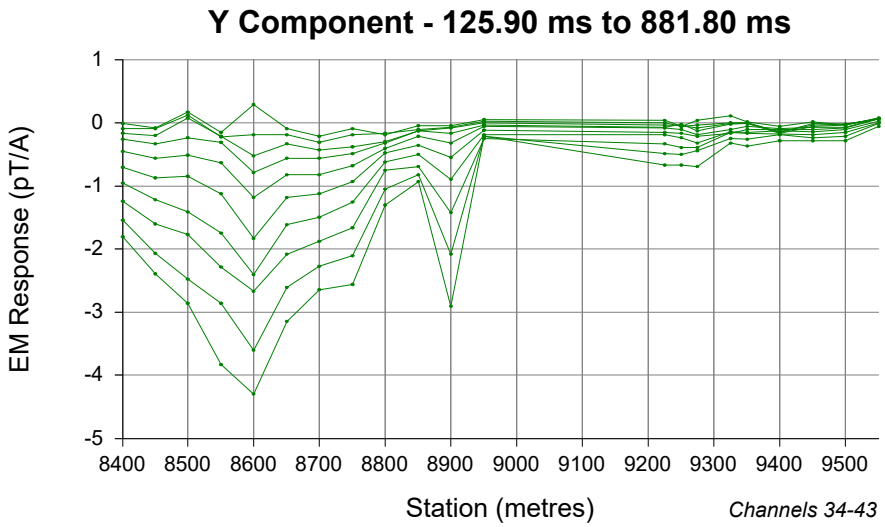
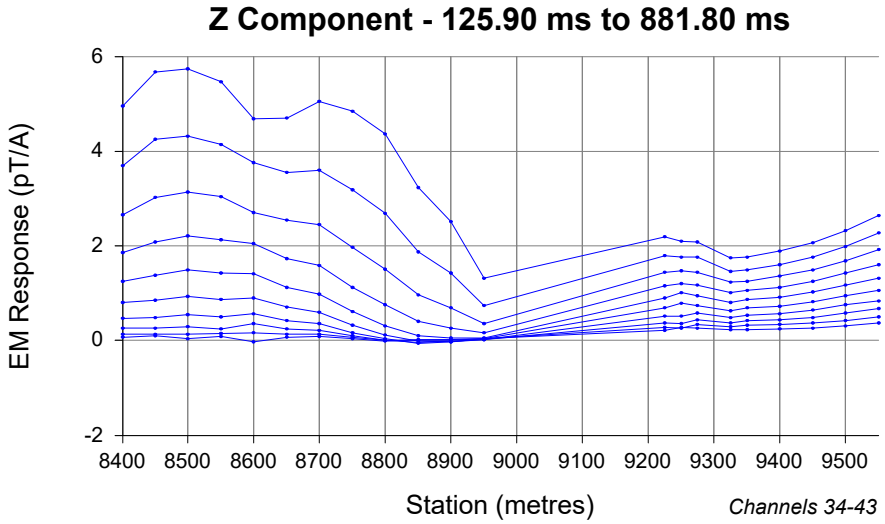








SURVEY PARAMETERS

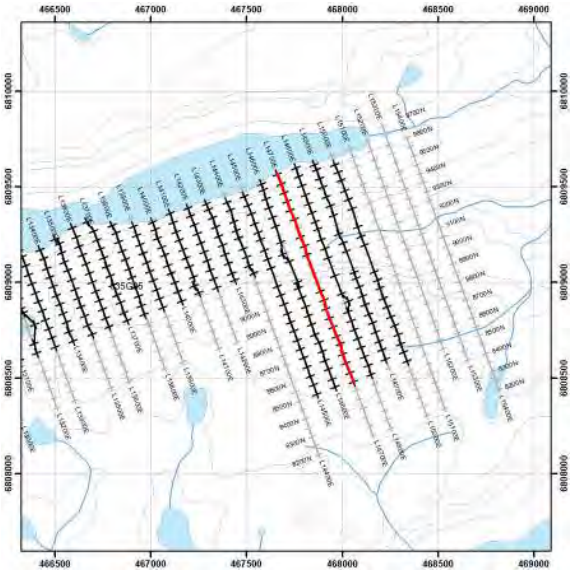
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

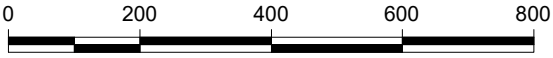
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

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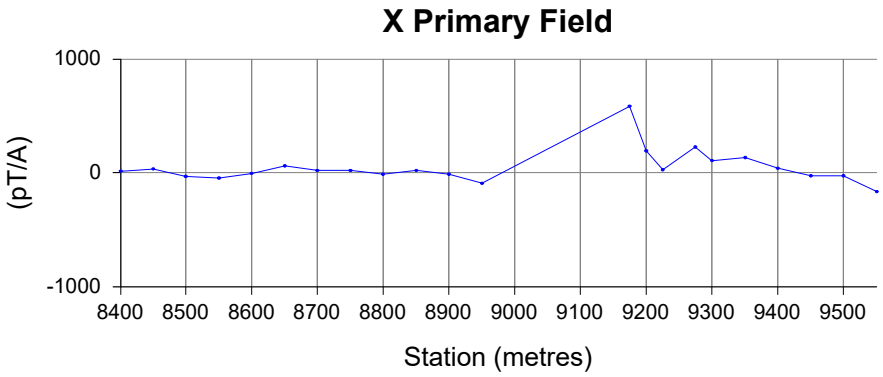
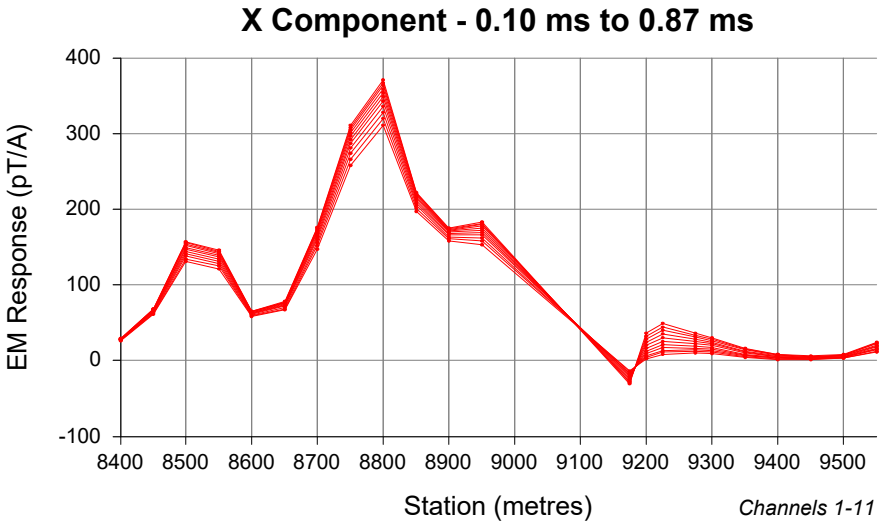
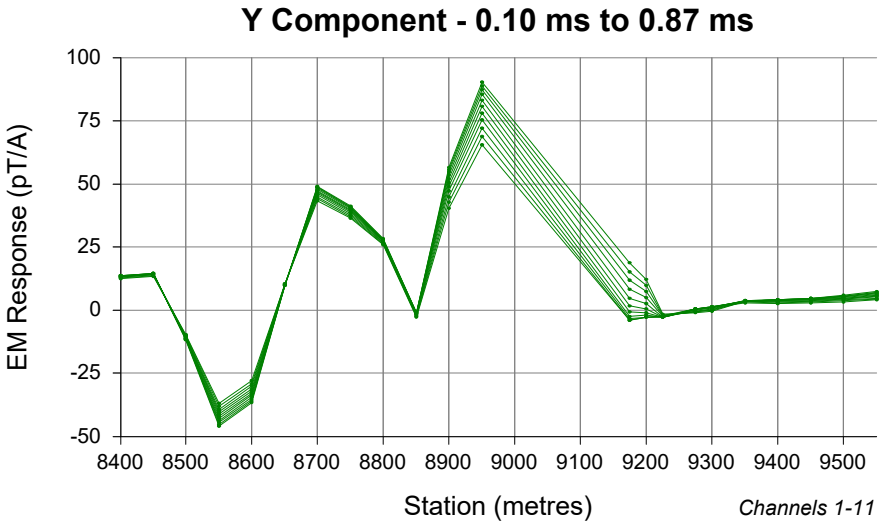
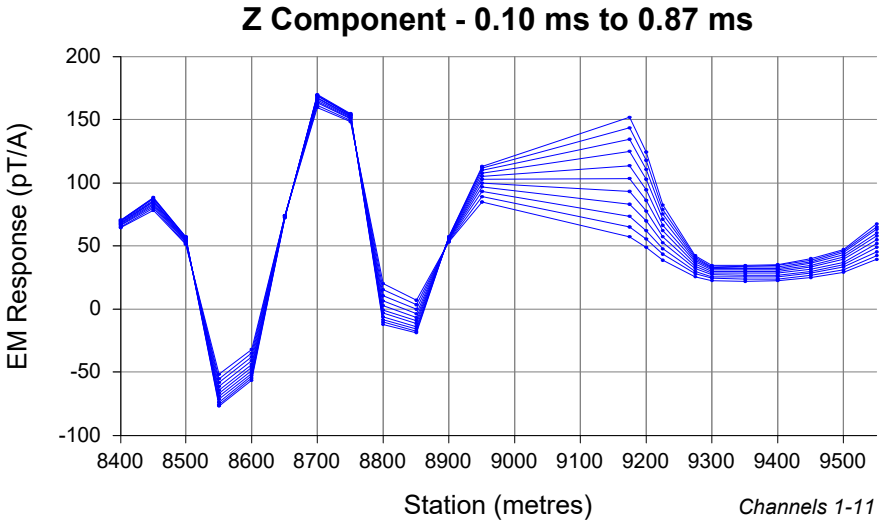








SURVEY PARAMETERS

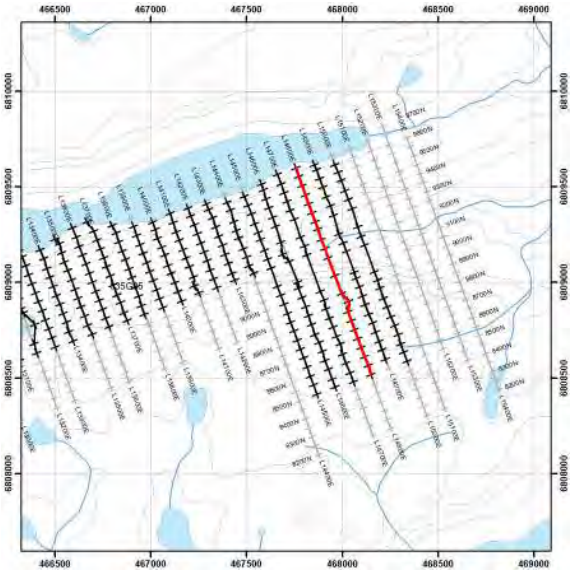
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 14800E

Surveyed By: Joseph Cook
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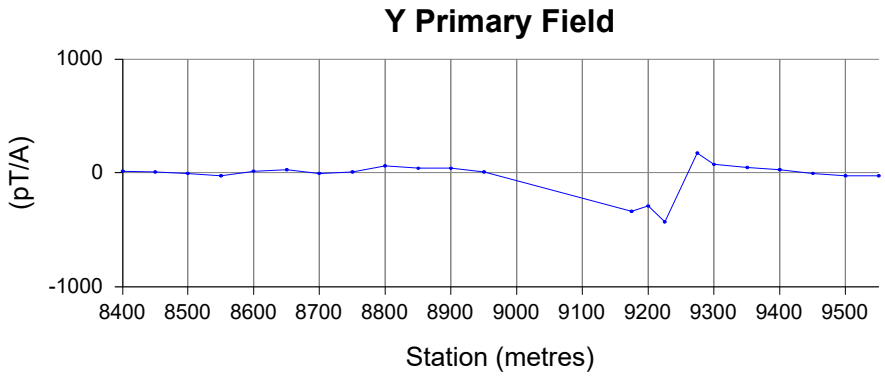
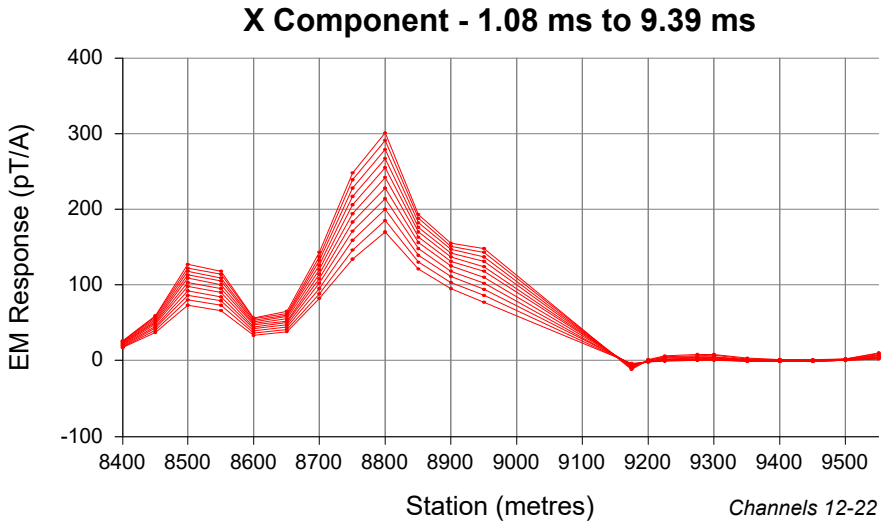
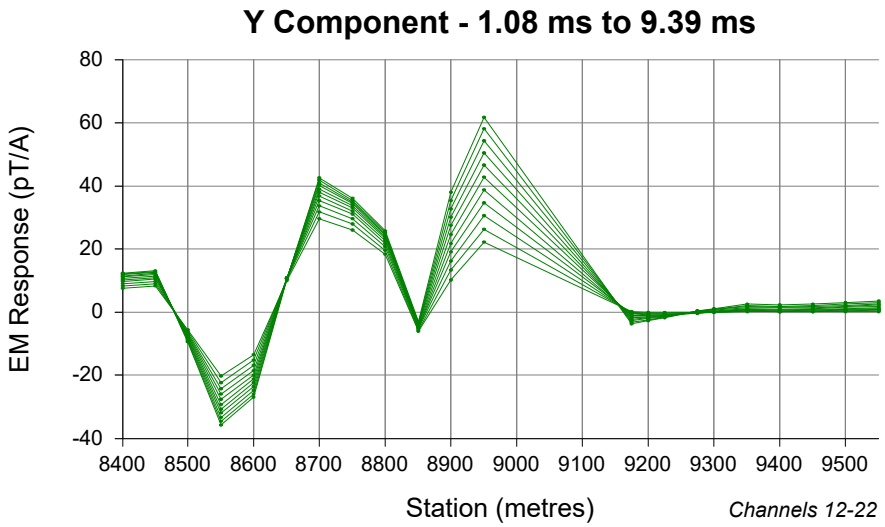
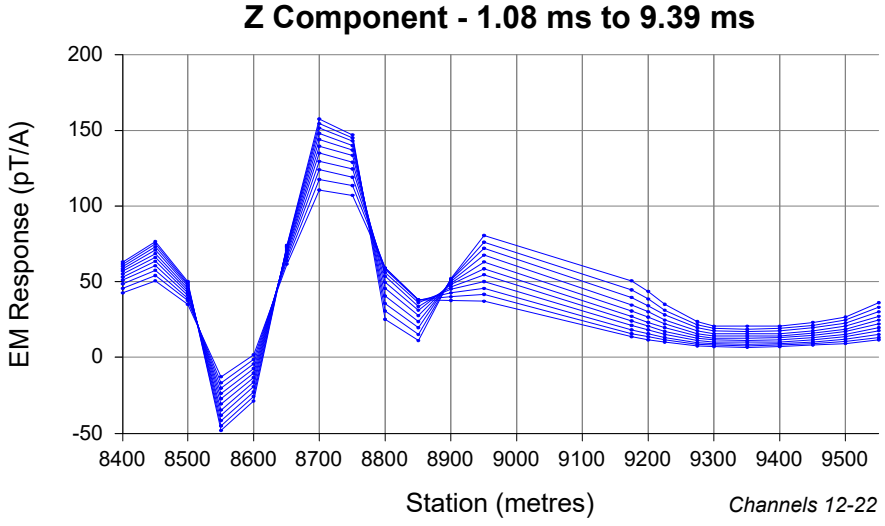








SURVEY PARAMETERS

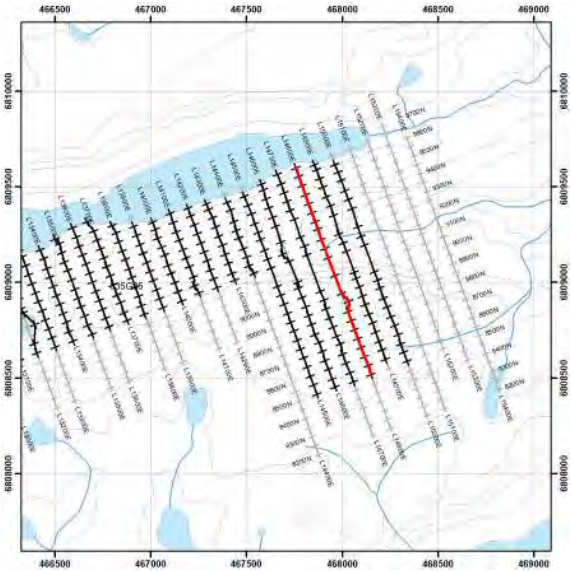
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

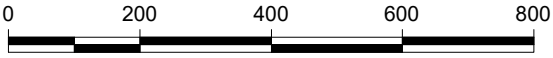
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





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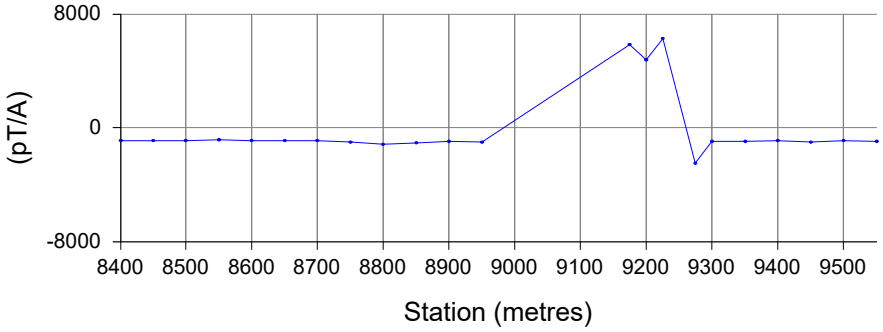
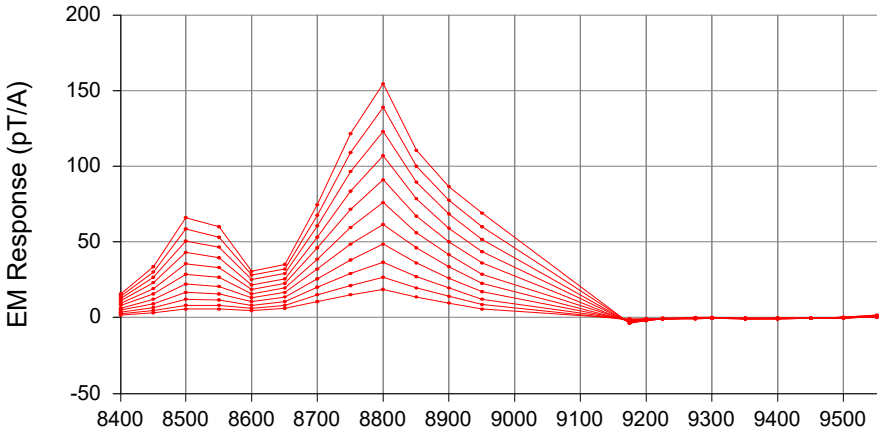
Z Primary Field

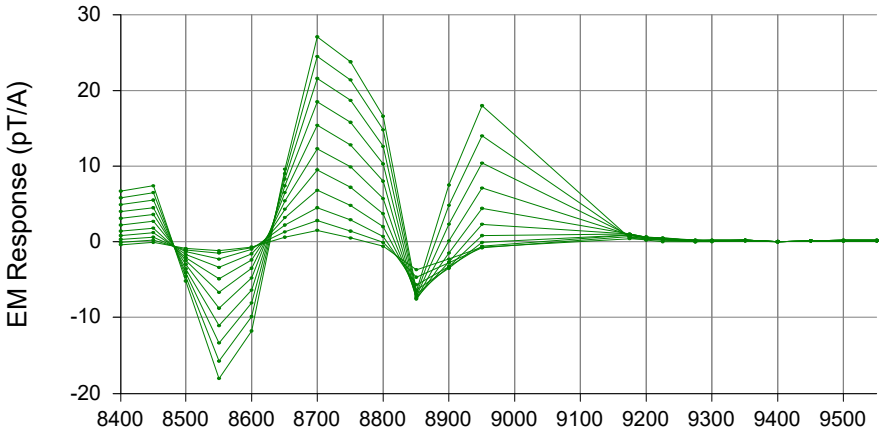


X Component - 11.66 ms to 101.40 ms



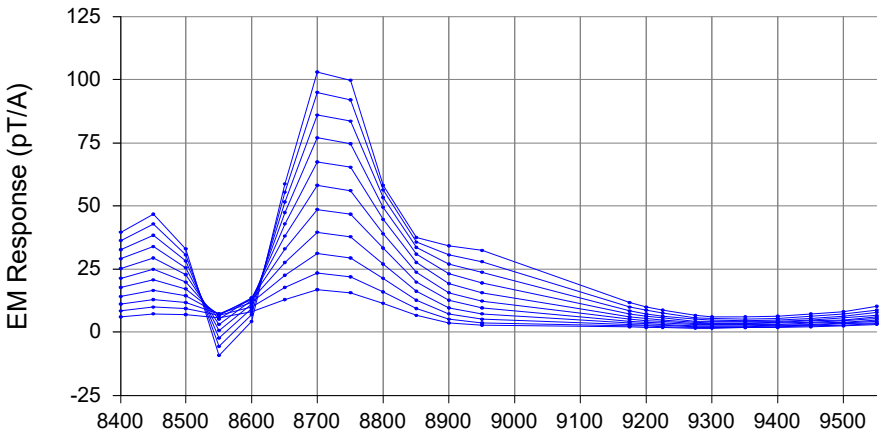
Channels 23-33

Y Component - 11.66 ms to 101.40 ms



Channels 23-33

Z Component - 11.66 ms to 101.40 ms



Channels 23-33

SURVEY PARAMETERS

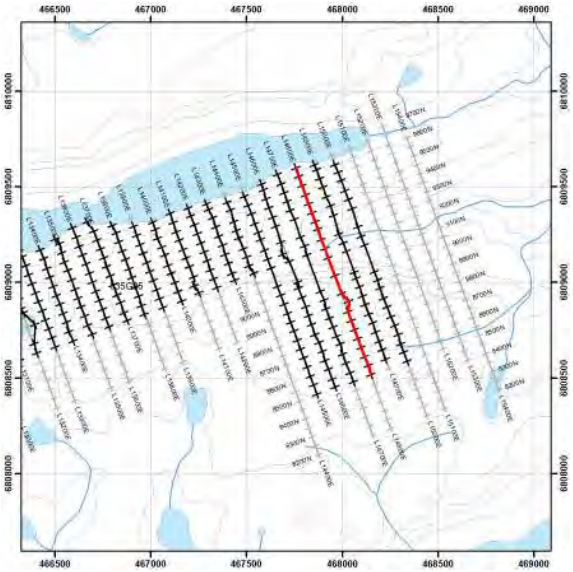
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

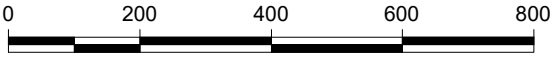
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





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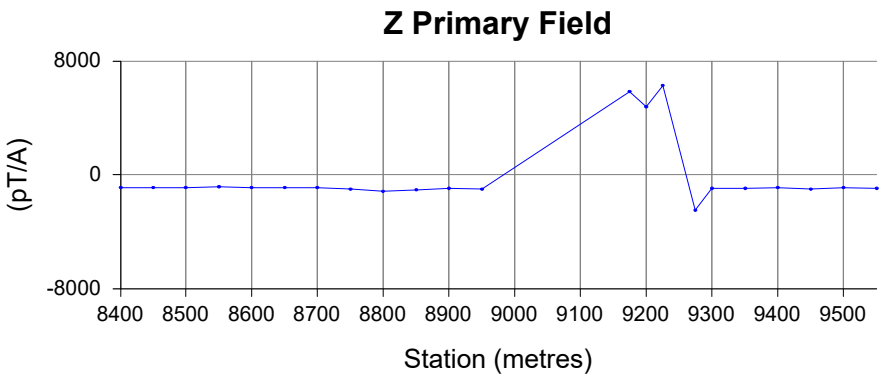
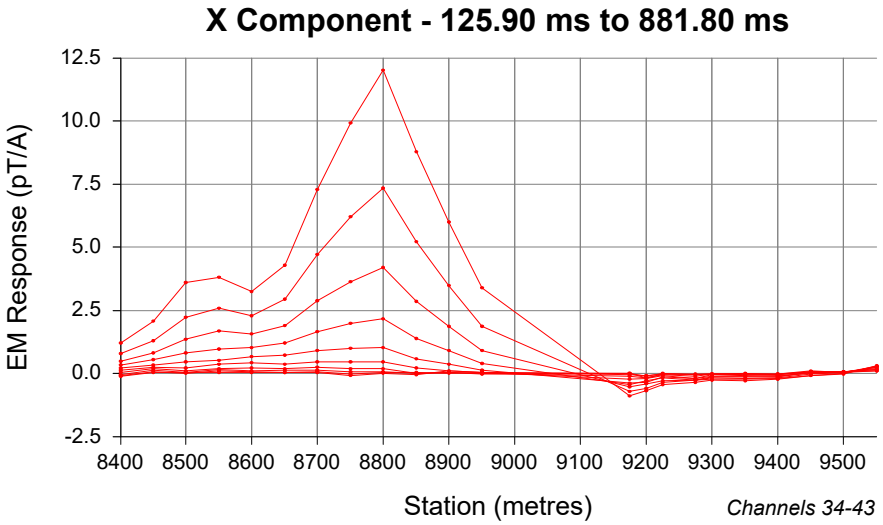
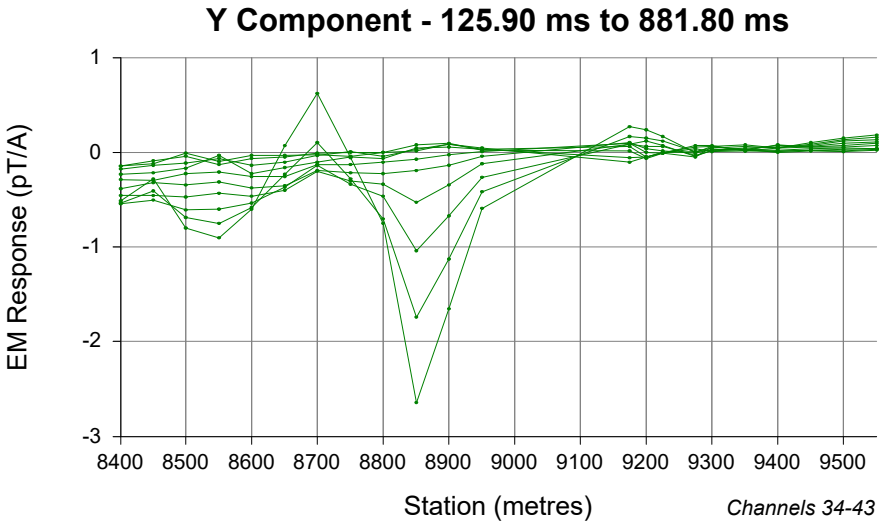
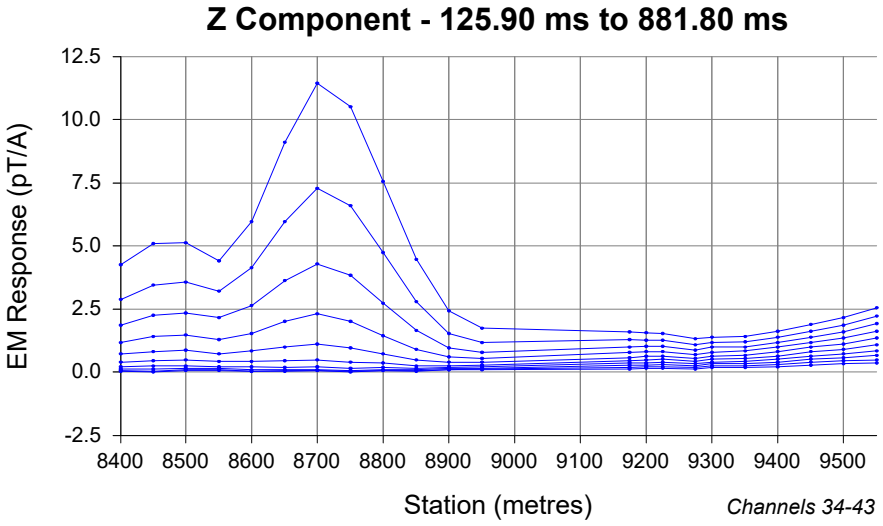








SURVEY PARAMETERS

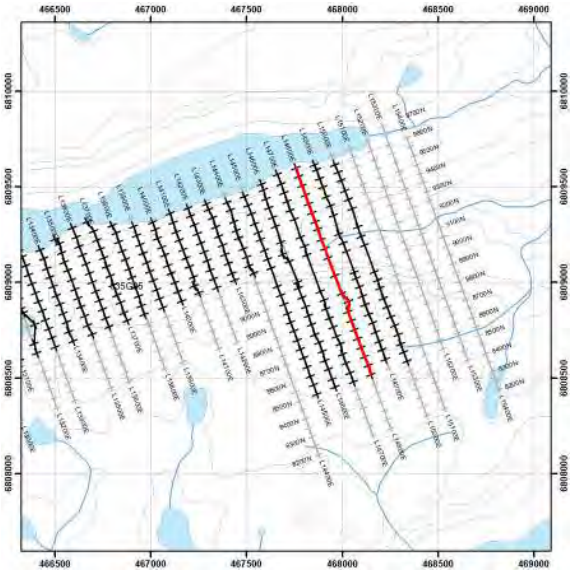
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

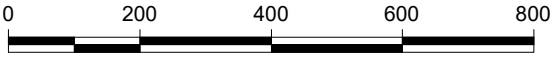
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





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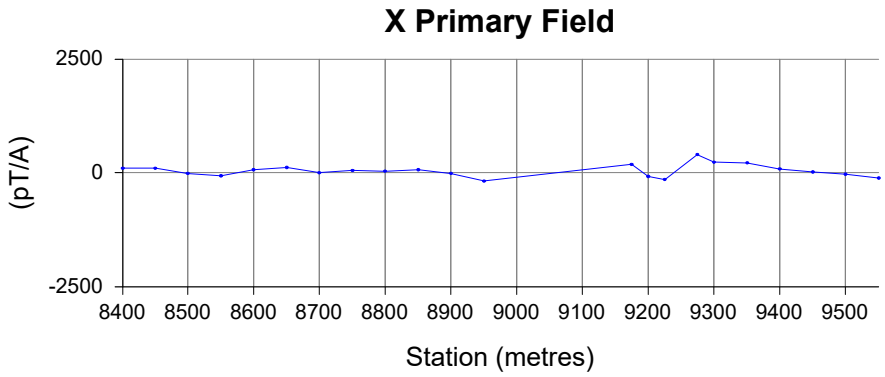
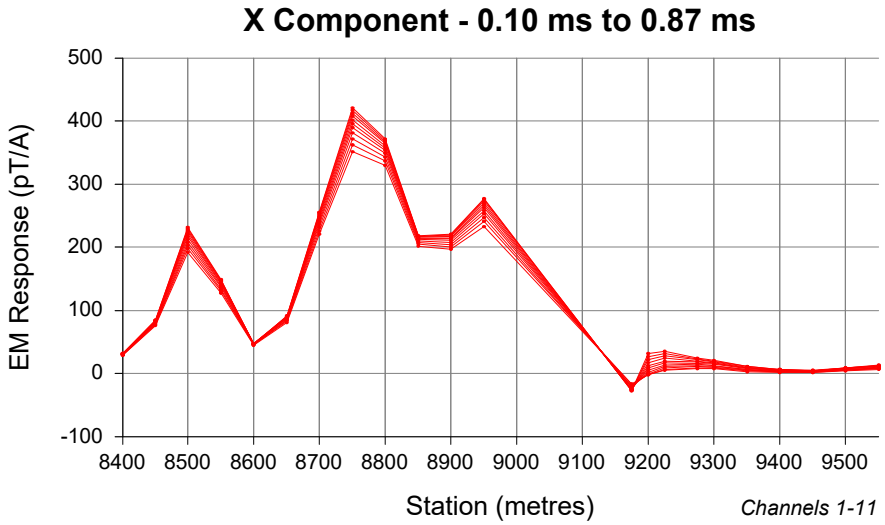
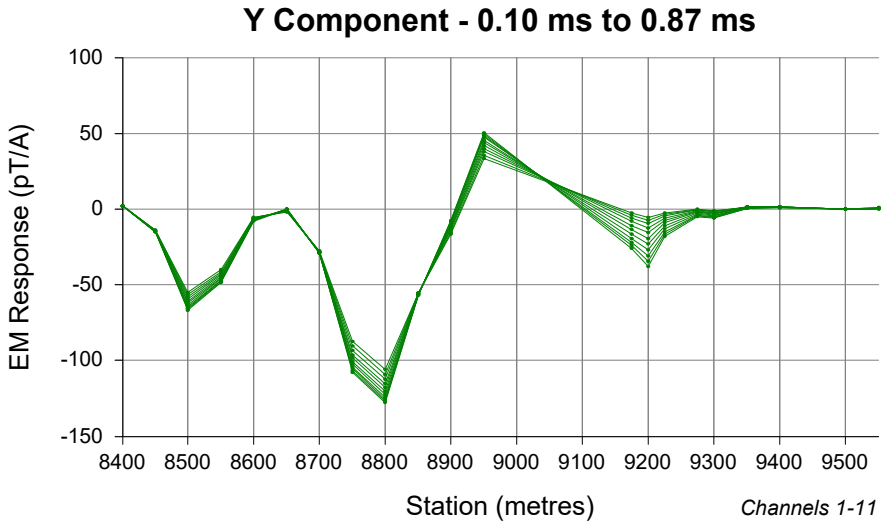
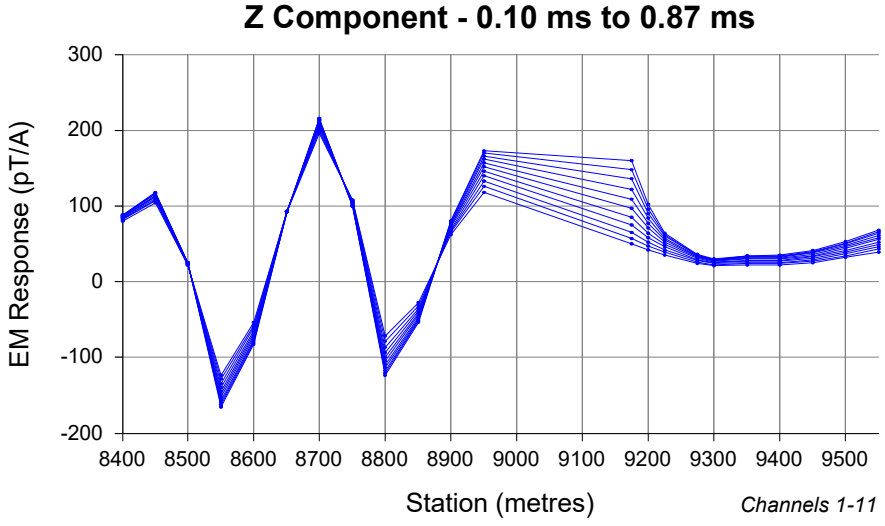








SURVEY PARAMETERS

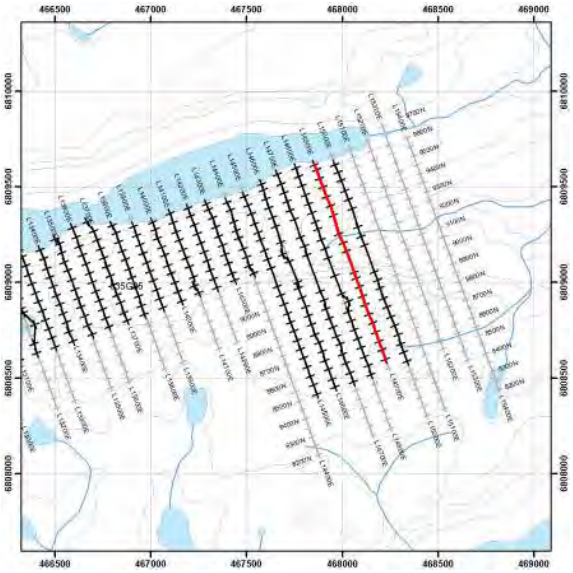
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

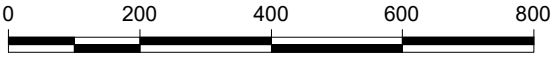
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





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Slingram Survey

Line 14900E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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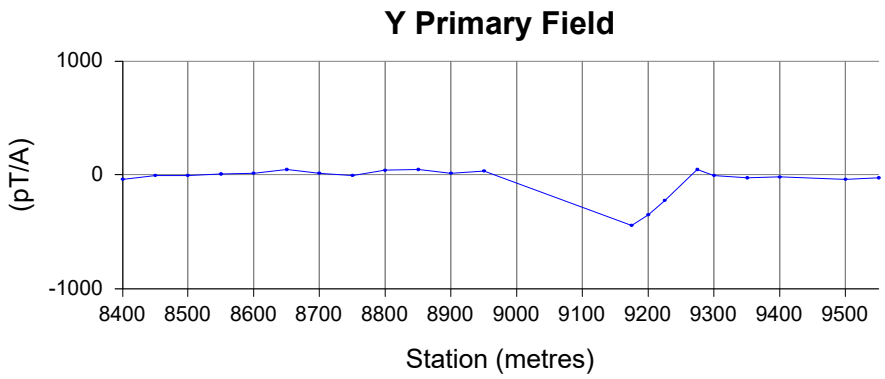
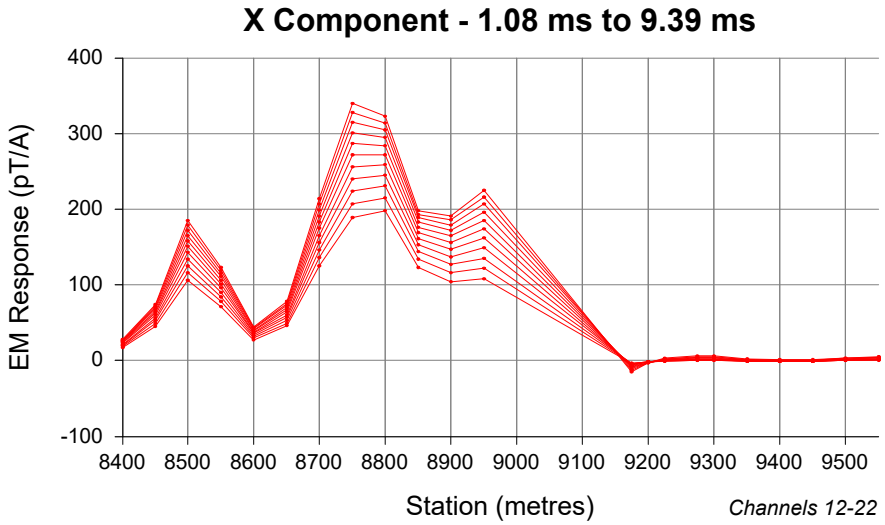
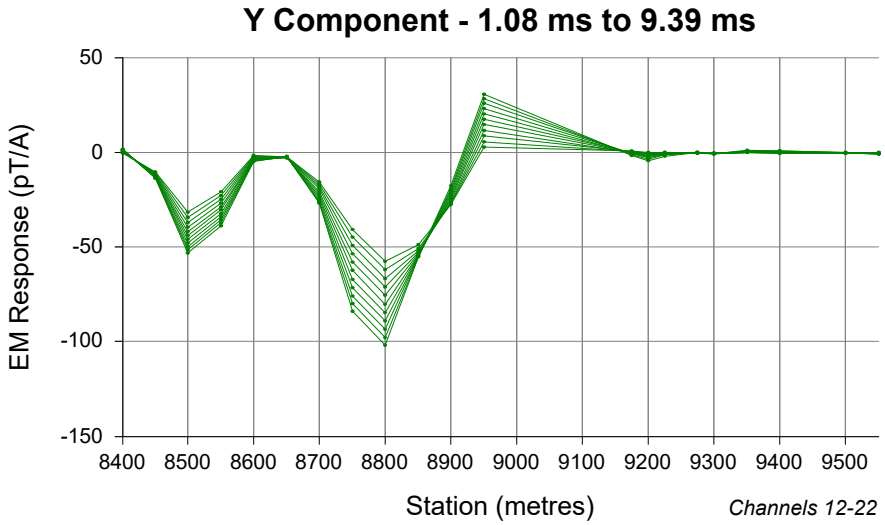
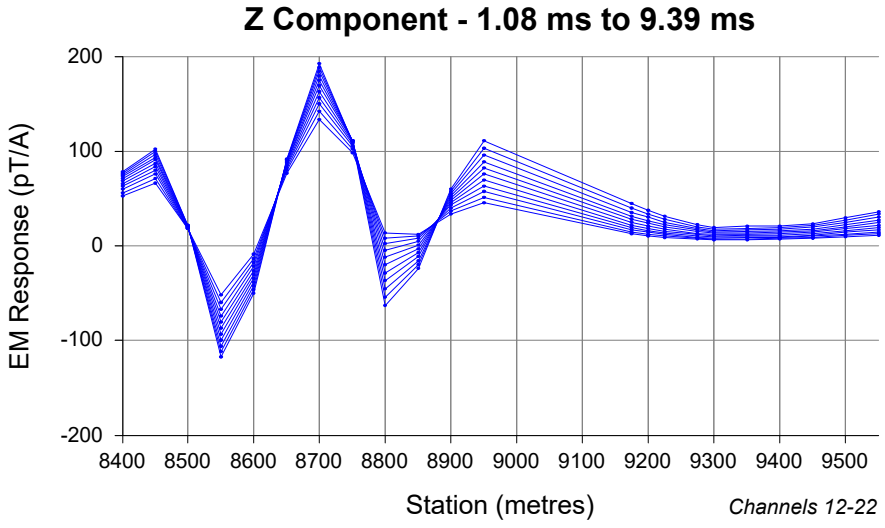








SURVEY PARAMETERS

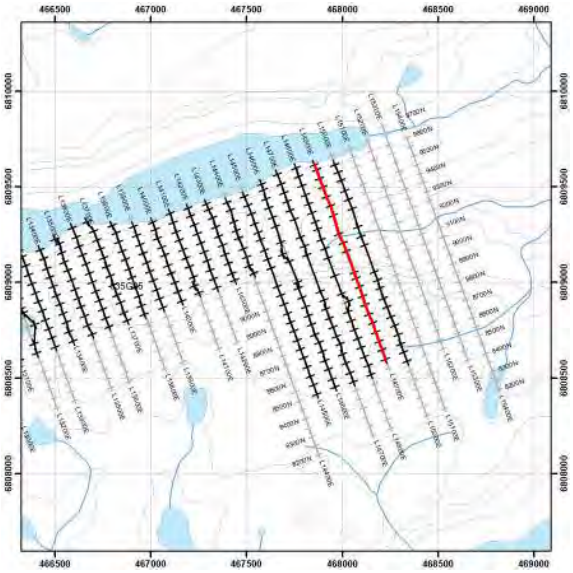
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 14900E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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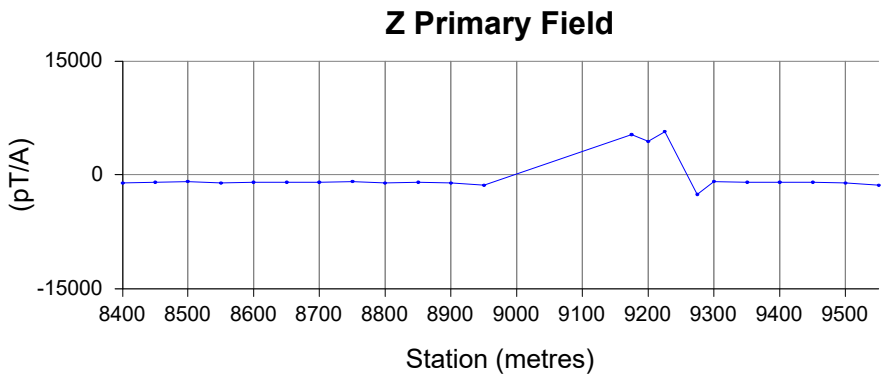
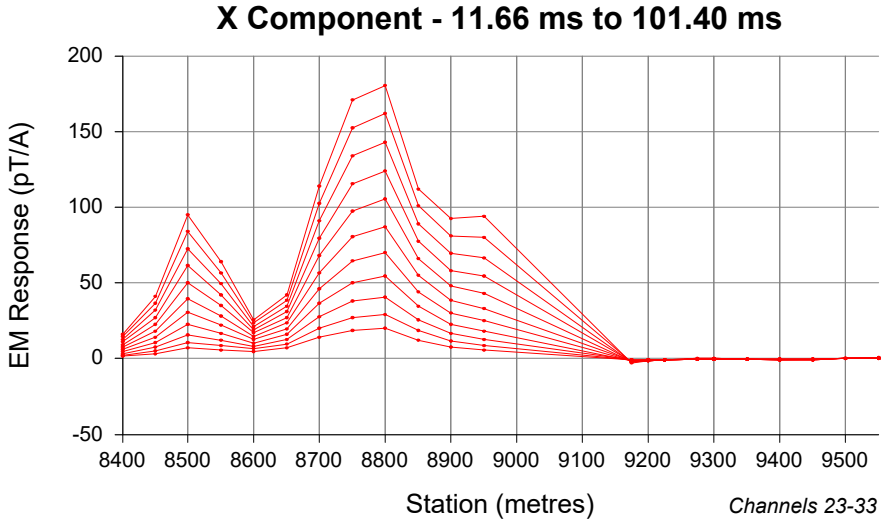
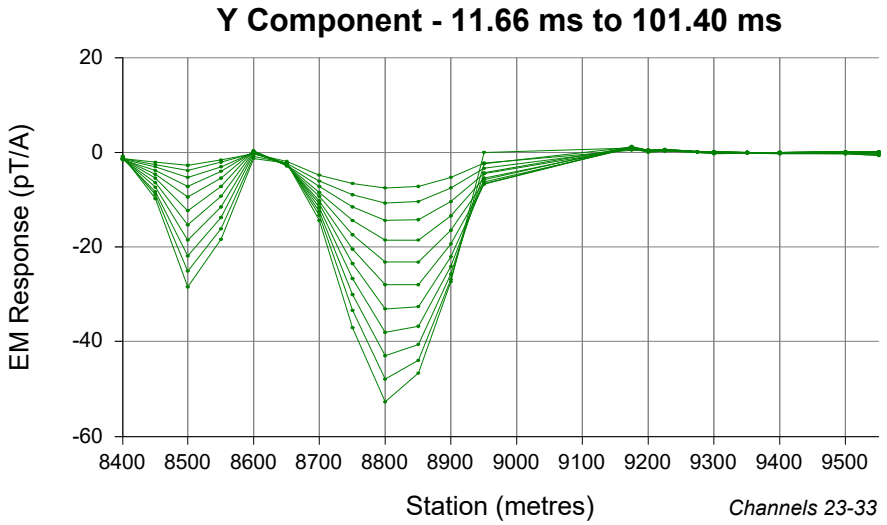
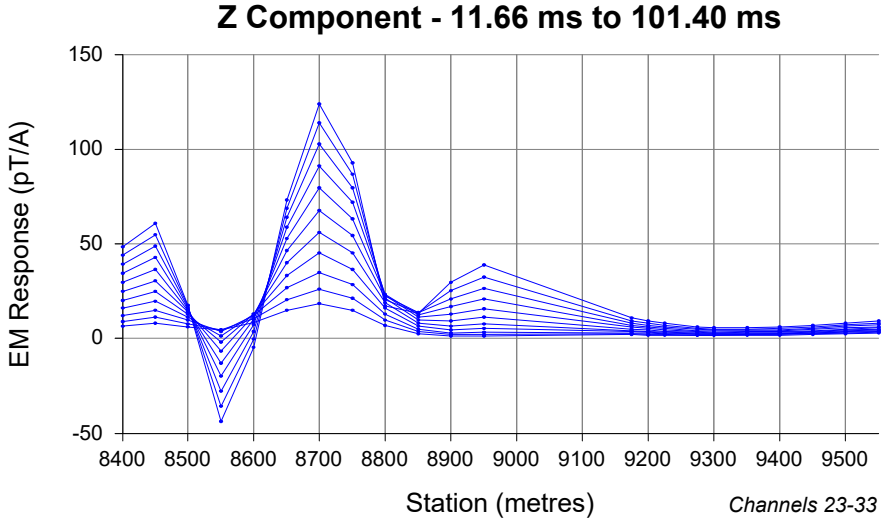








SURVEY PARAMETERS

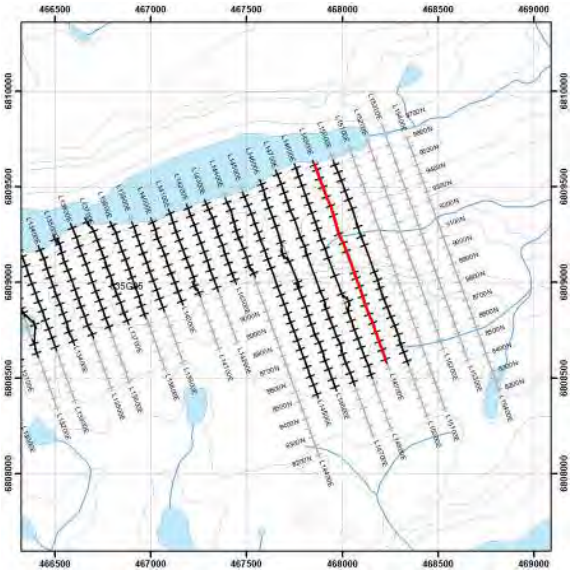
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 14900E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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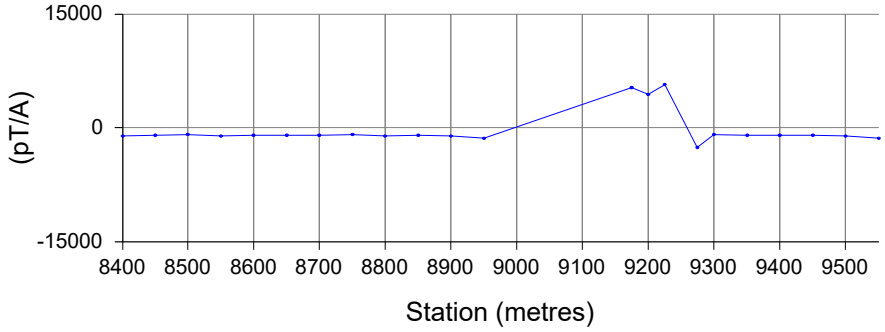
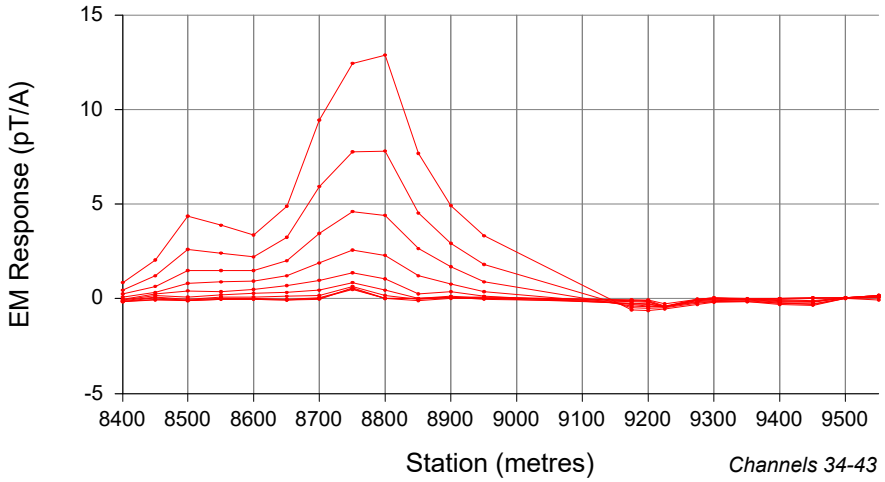
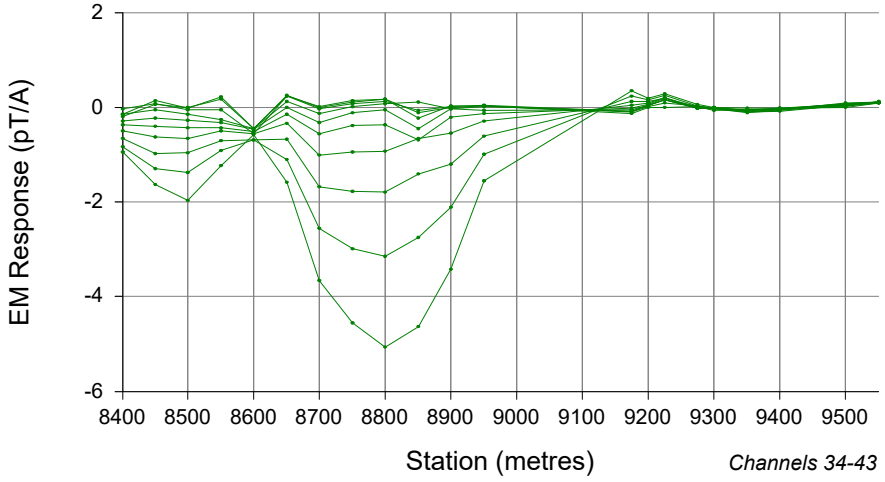
Z Primary Field



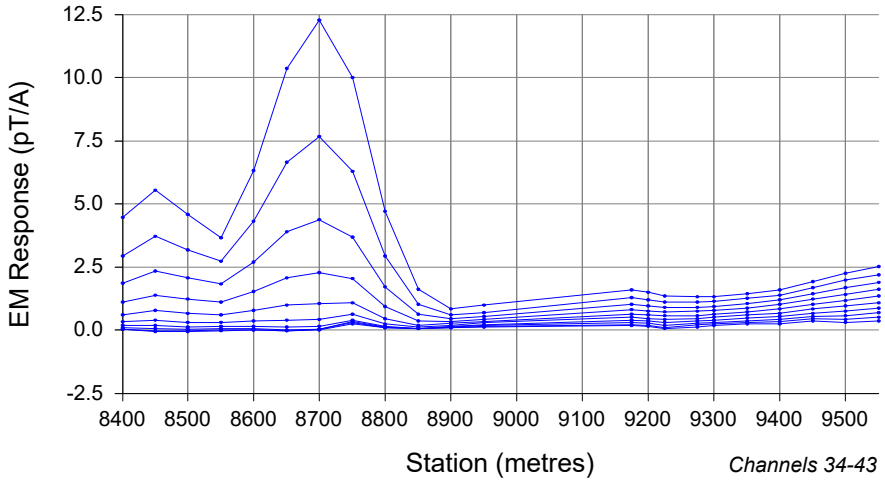
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

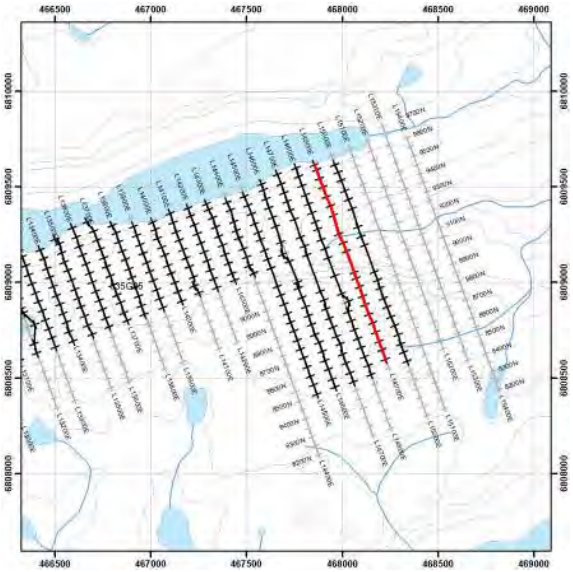
Configuration	: Slingram
Station Spacing	: 0-225 m
Rx-Tx Offset	: 200 m

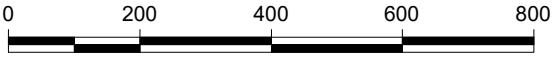
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

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Slingram Survey

Line 14900E

Surveyed By: Mohamed Haiba
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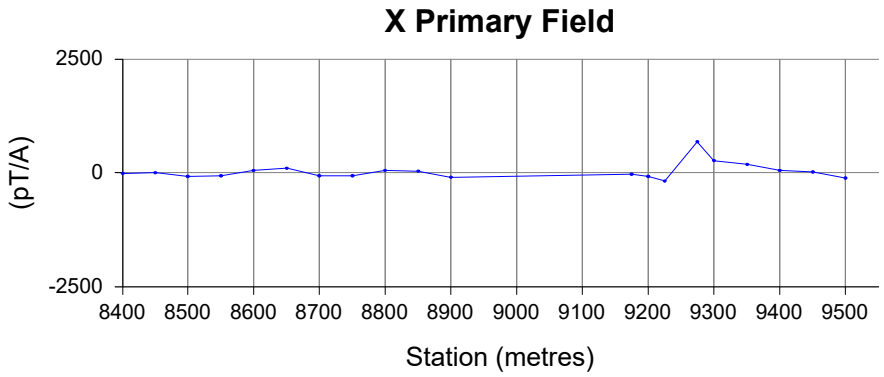
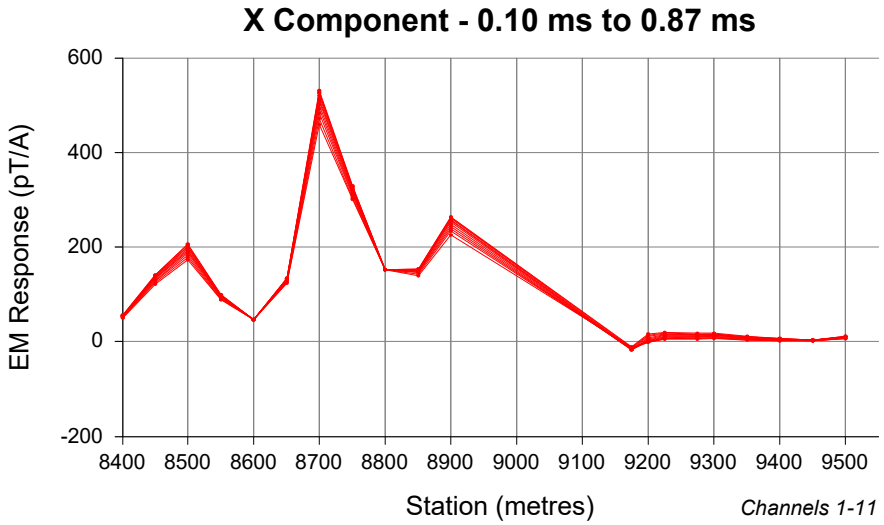
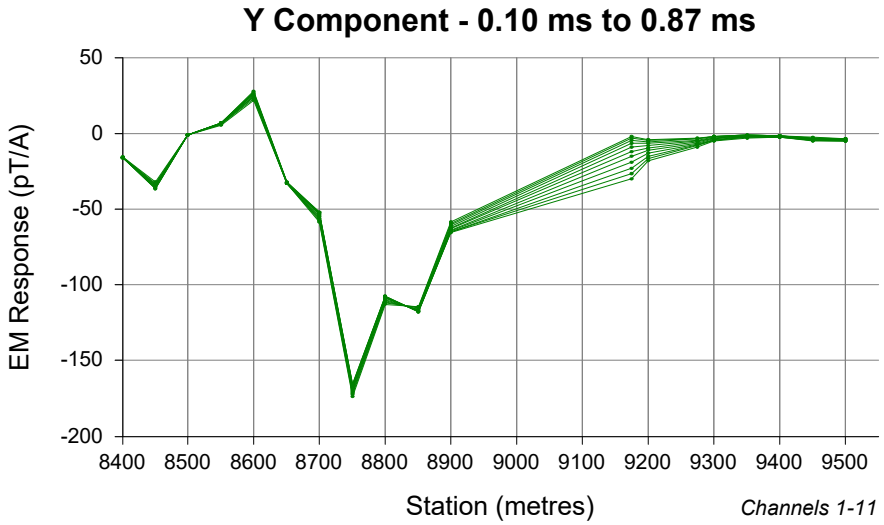
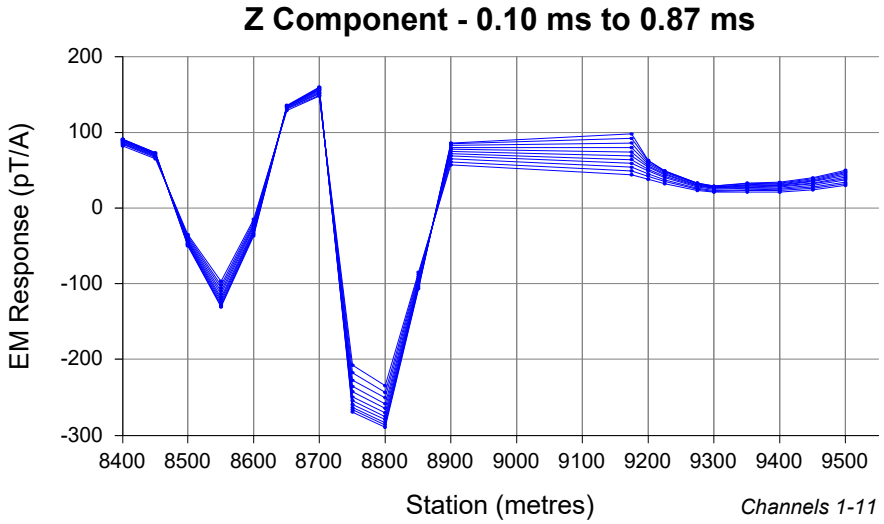








SURVEY PARAMETERS

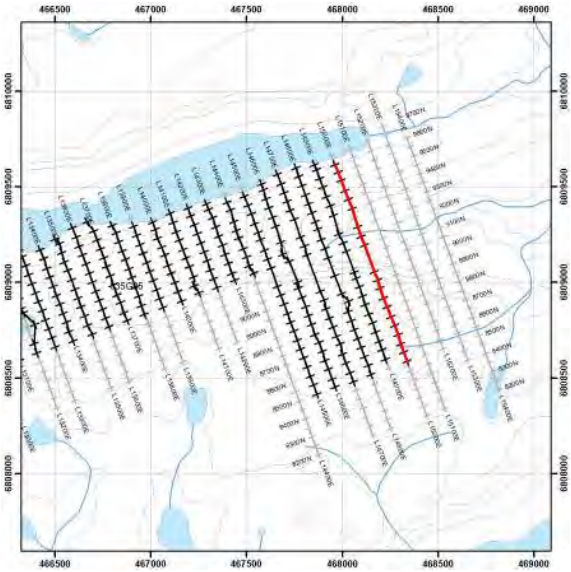
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Scale 1:11500

Orford Mining Corp.
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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 15000E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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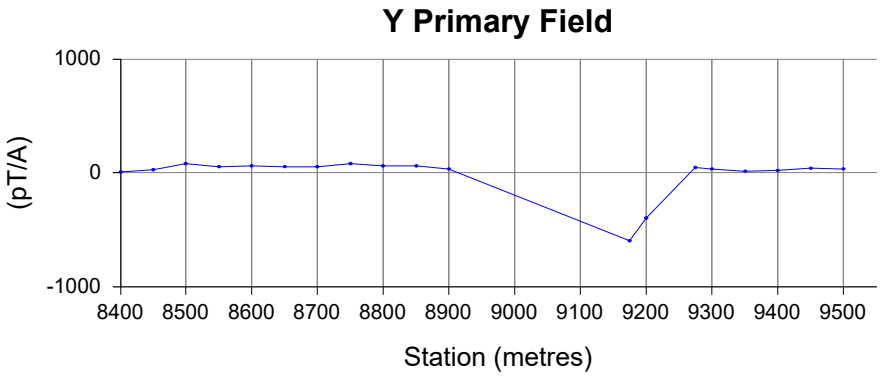
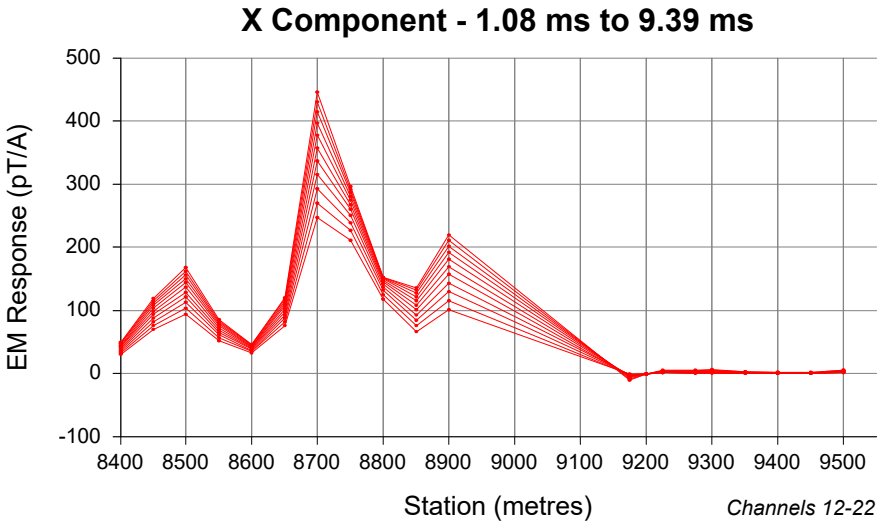
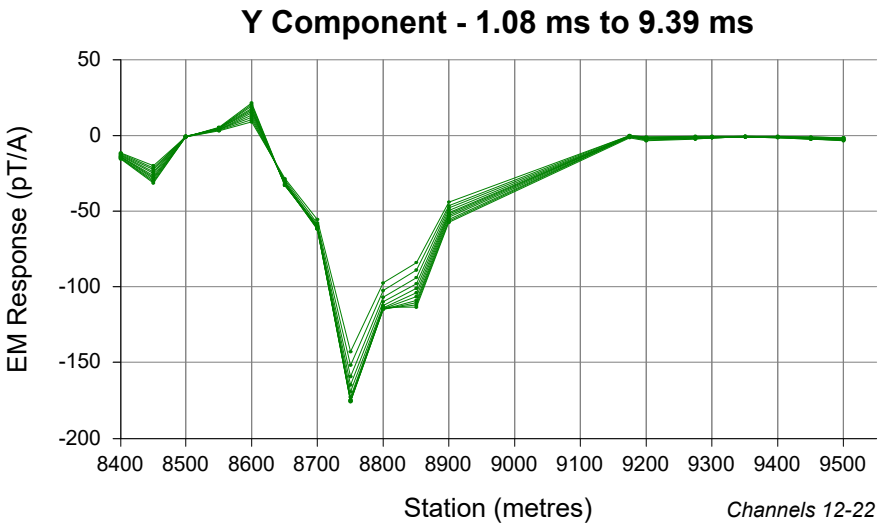
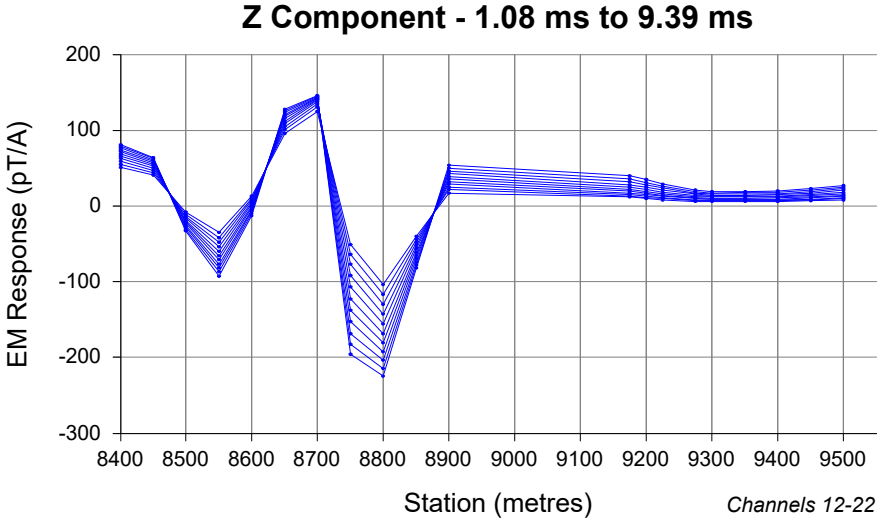








SURVEY PARAMETERS

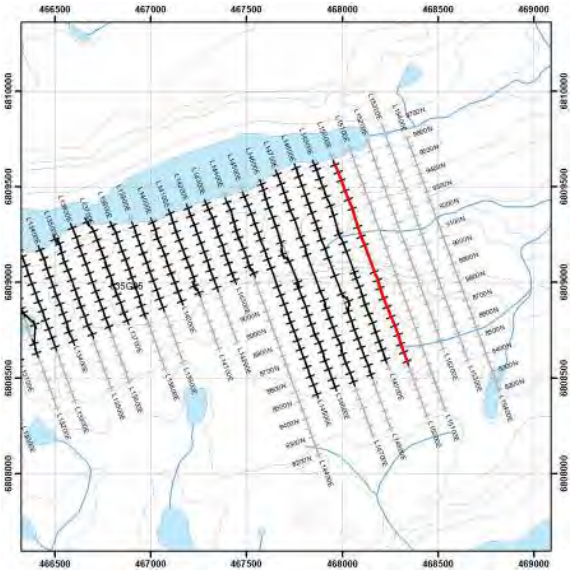
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:11500

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Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 15000E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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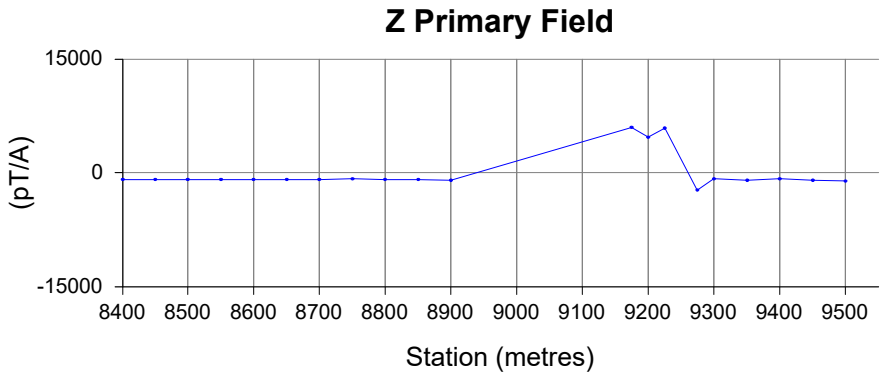
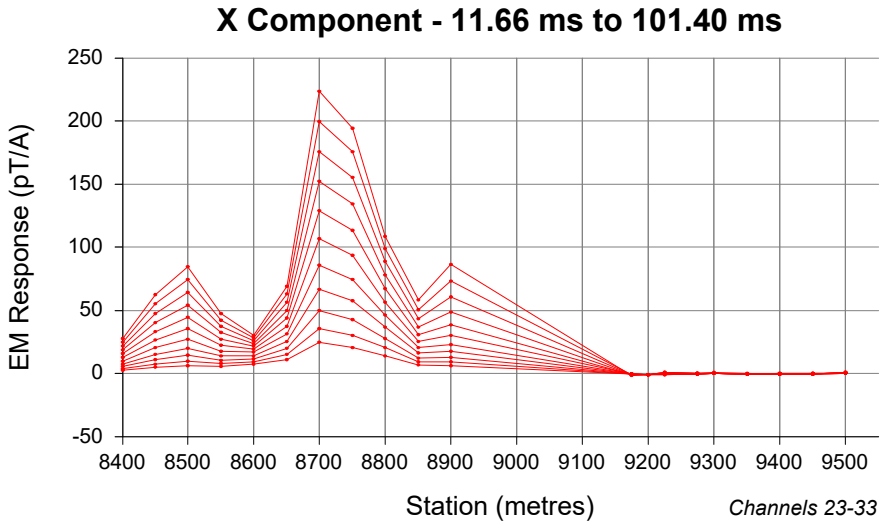
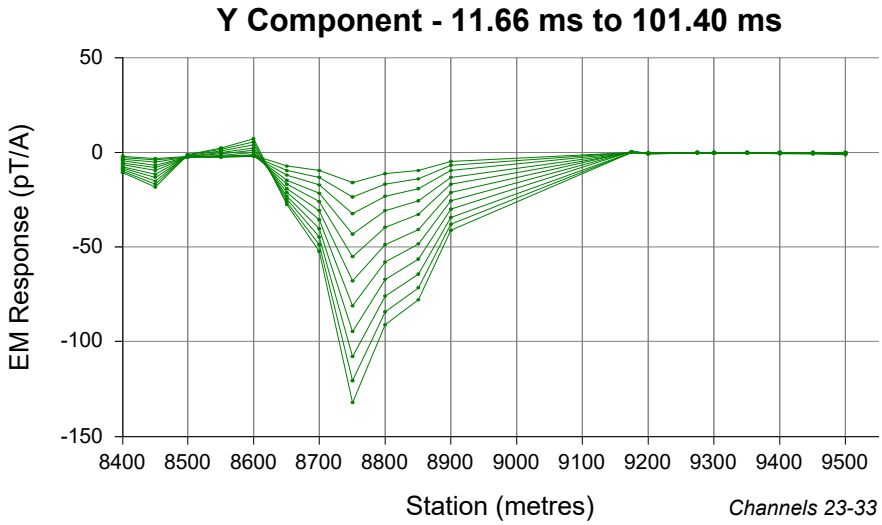
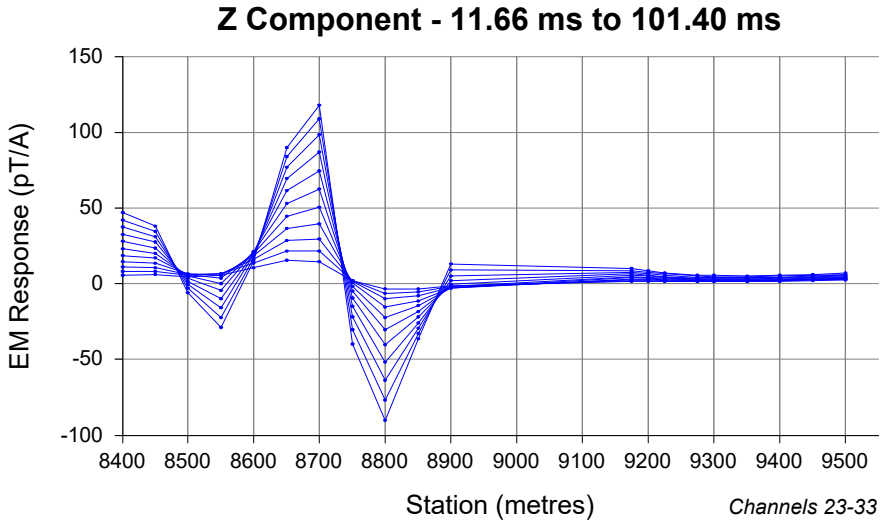








SURVEY PARAMETERS

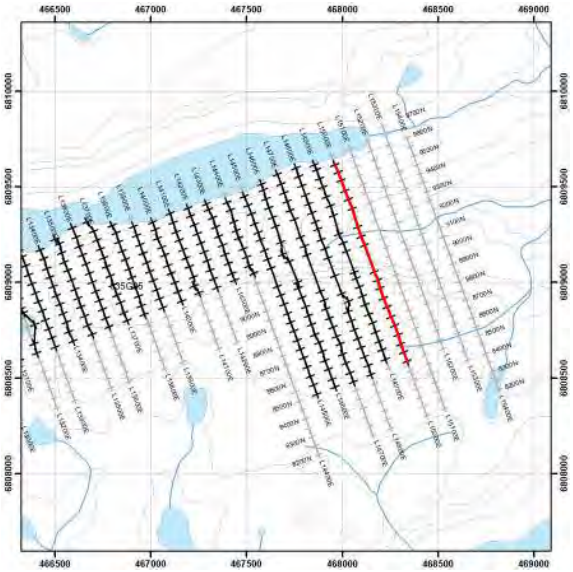
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

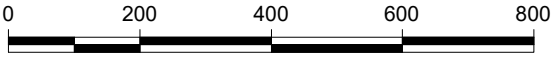
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 15000E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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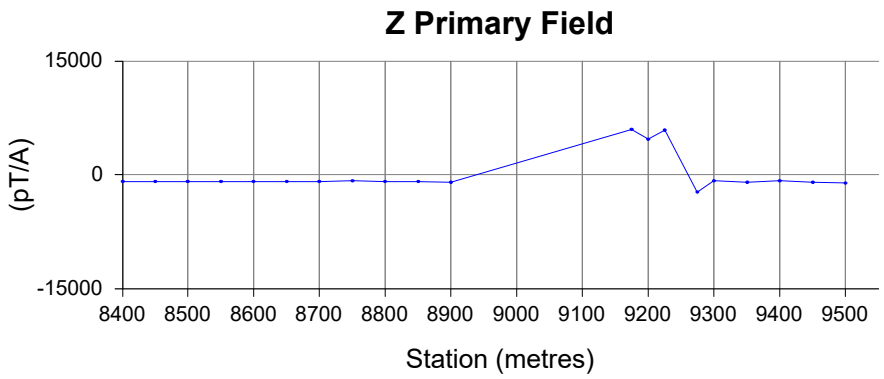
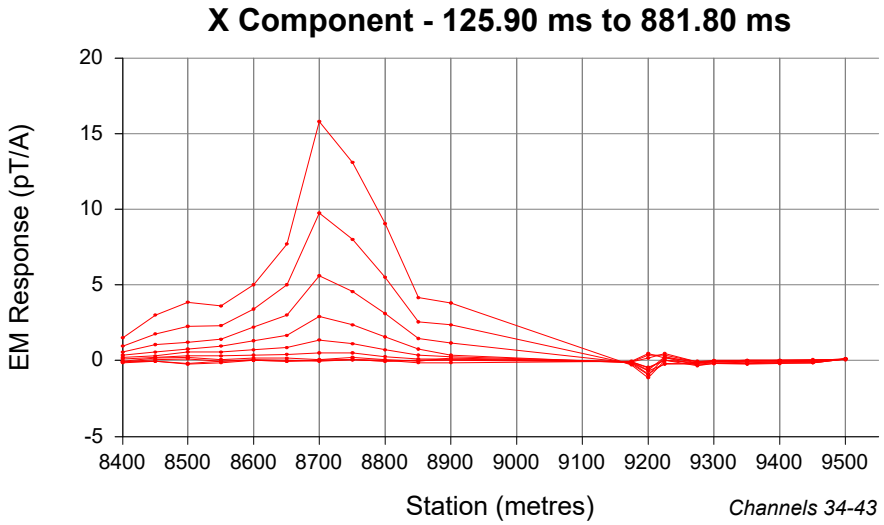
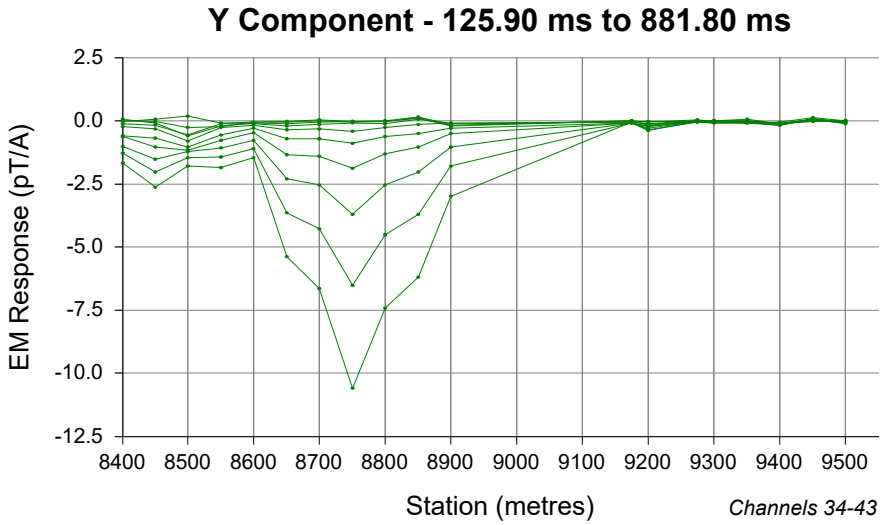
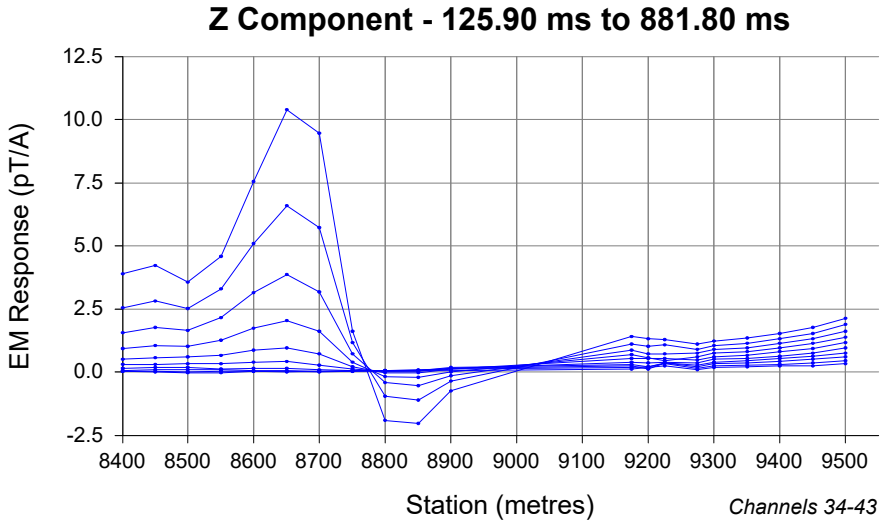








SURVEY PARAMETERS

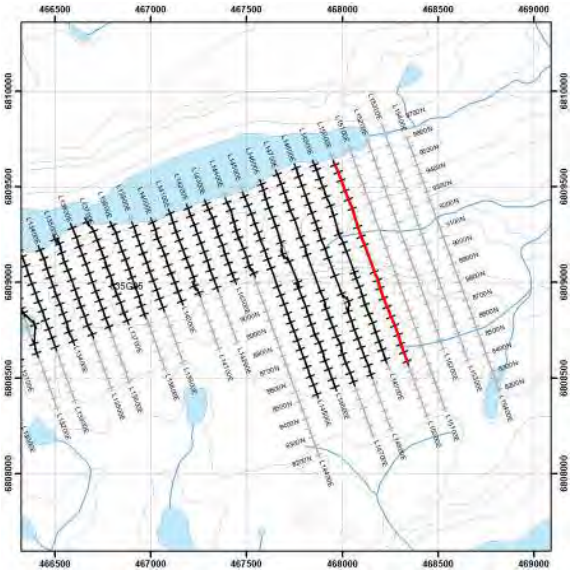
Configuration	: Slingram
Station Spacing	: 0-275 m
Rx-Tx Offset	: 200 m

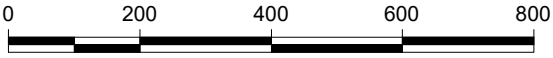
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:11500

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Line 15000E

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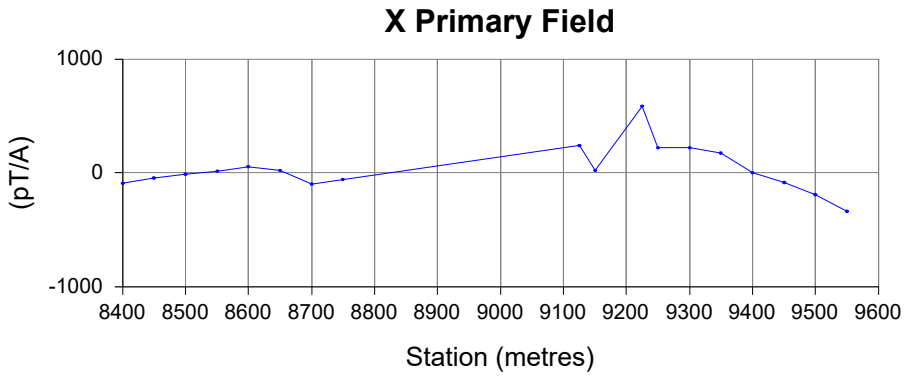
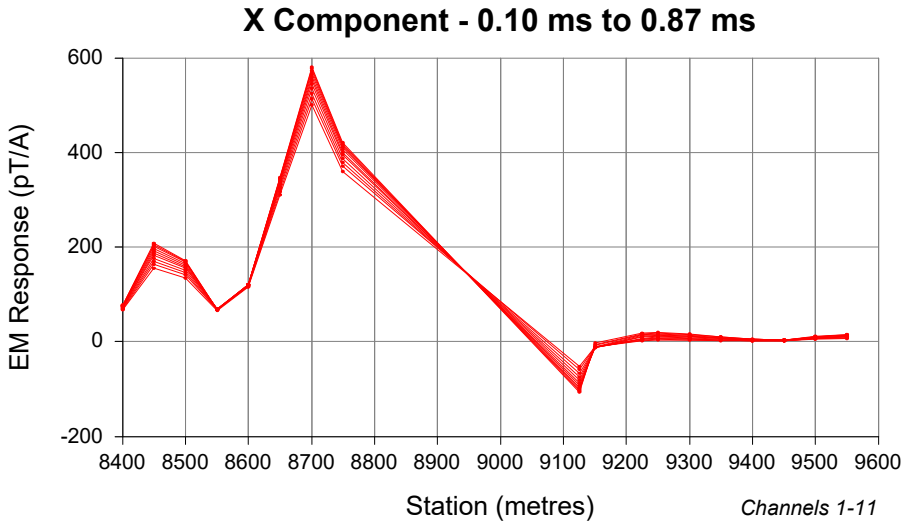
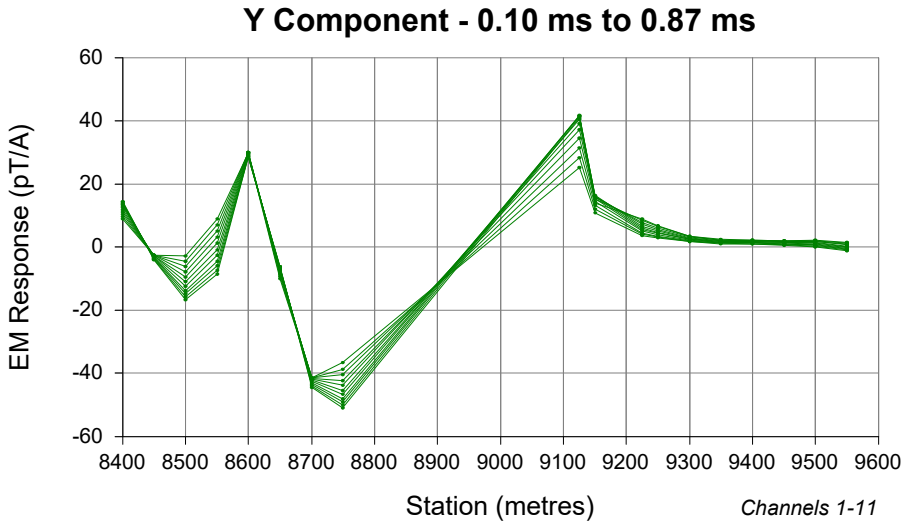
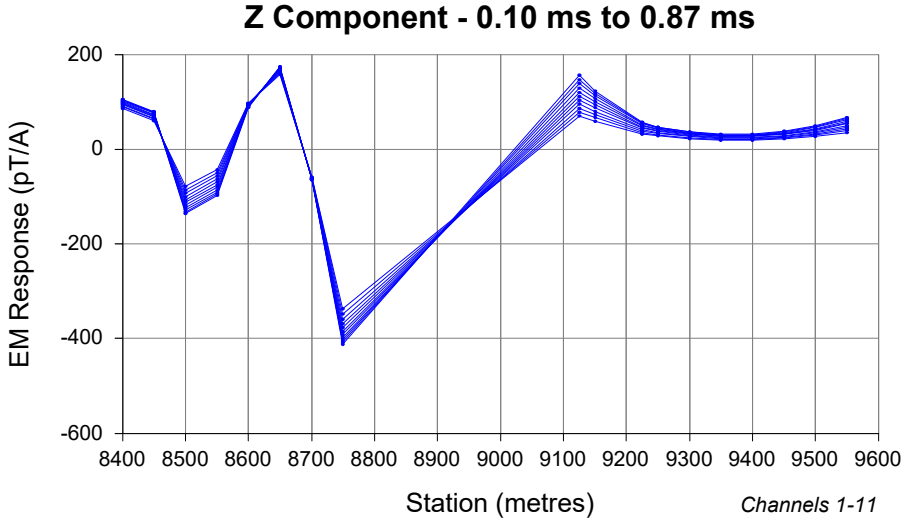








SURVEY PARAMETERS

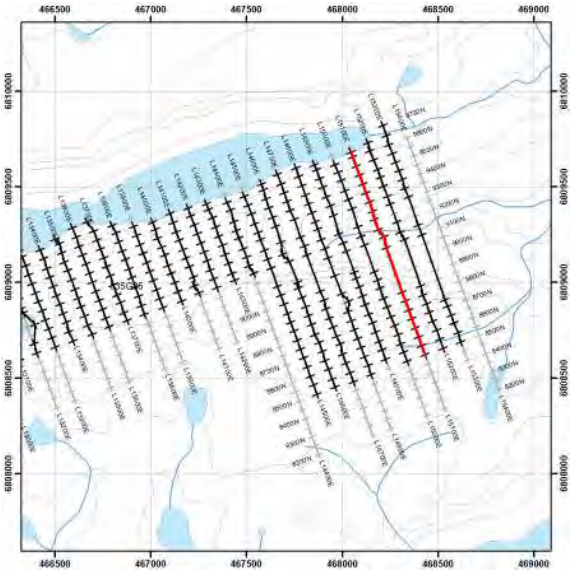
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:12000

Orford Mining Corp.
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Supracon Jessy HT SQUID
Slingram Survey

Line 15100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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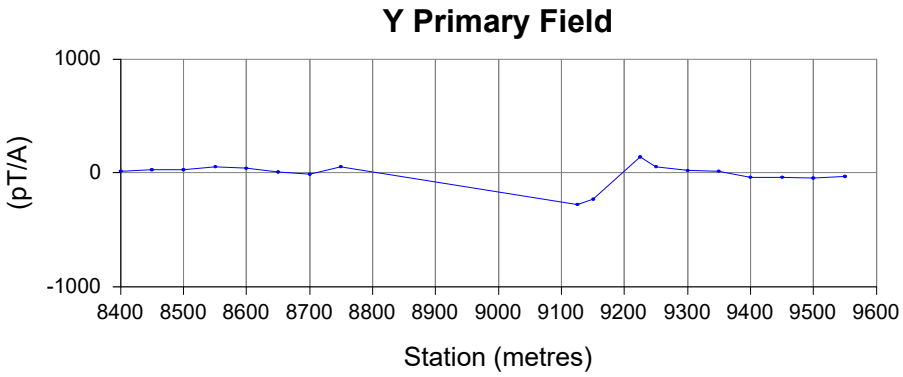
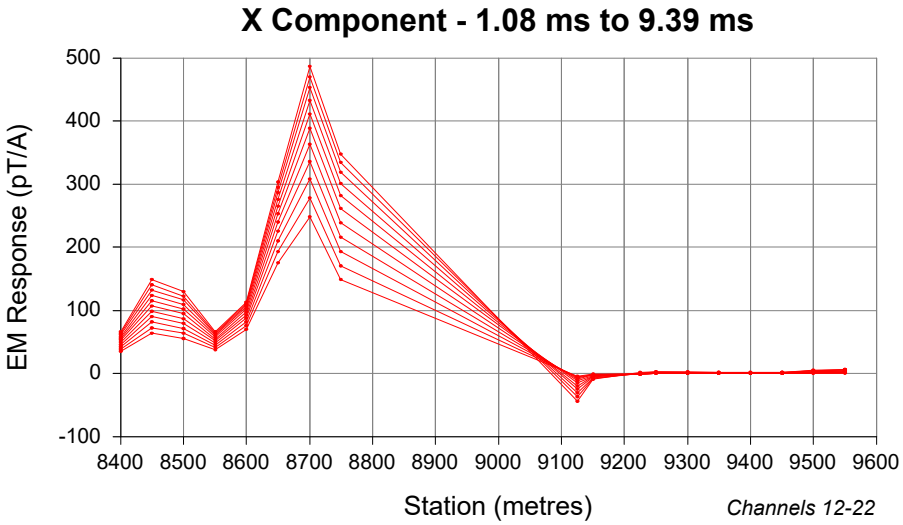
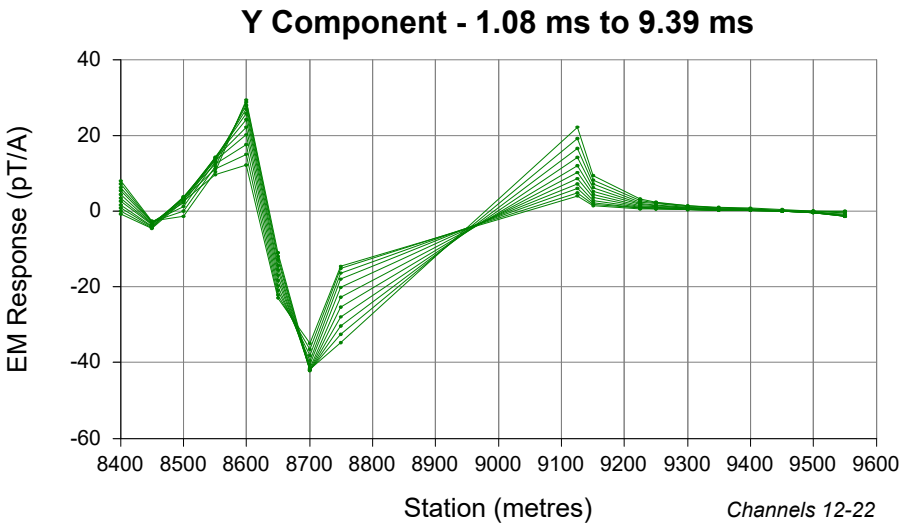
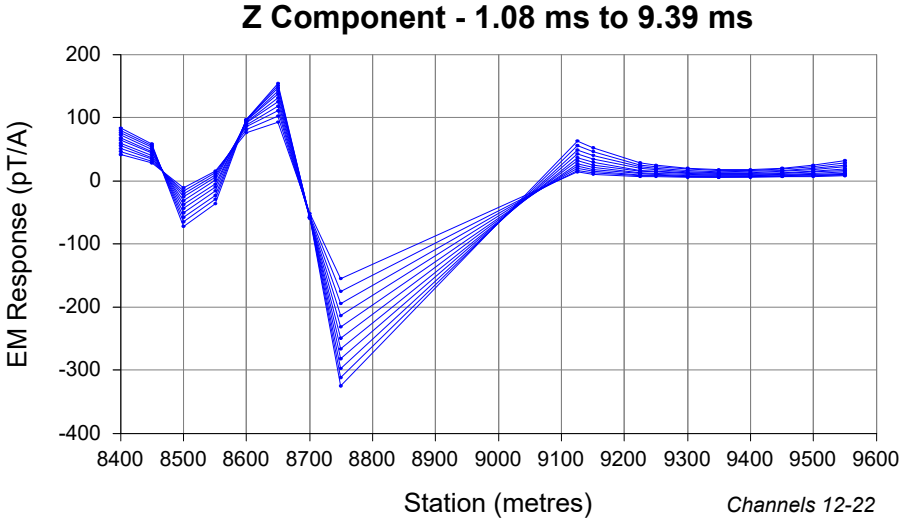








SURVEY PARAMETERS

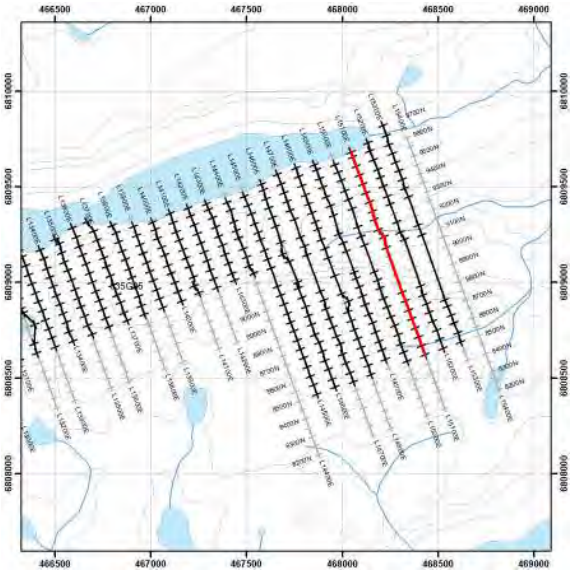
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:12000

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 15100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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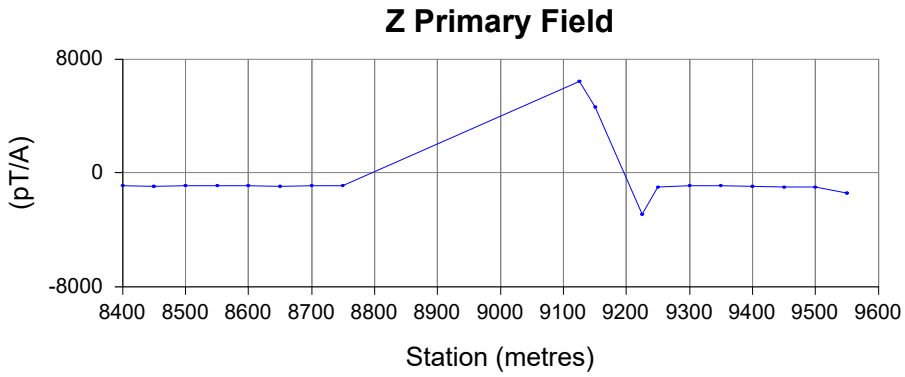
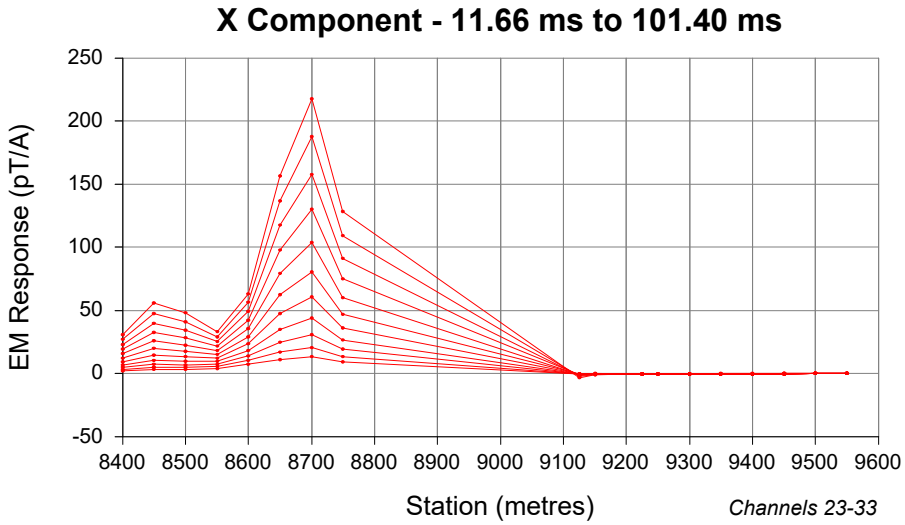
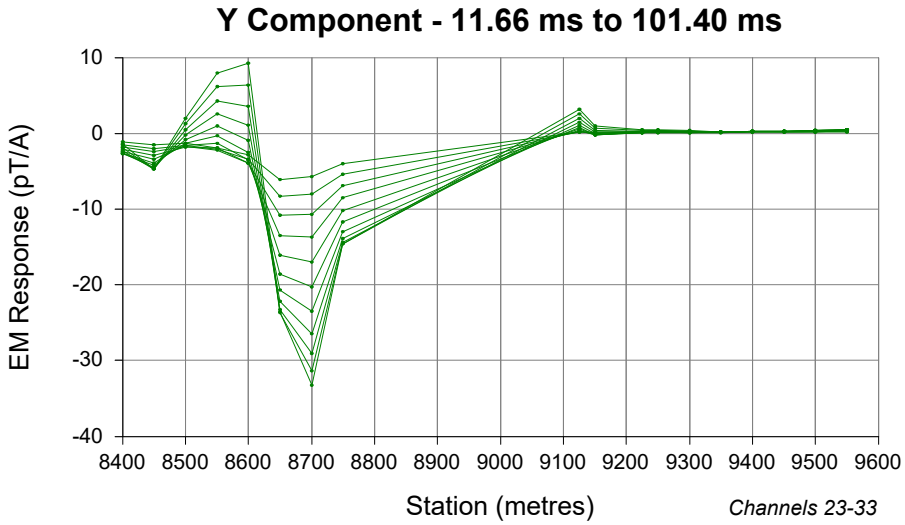
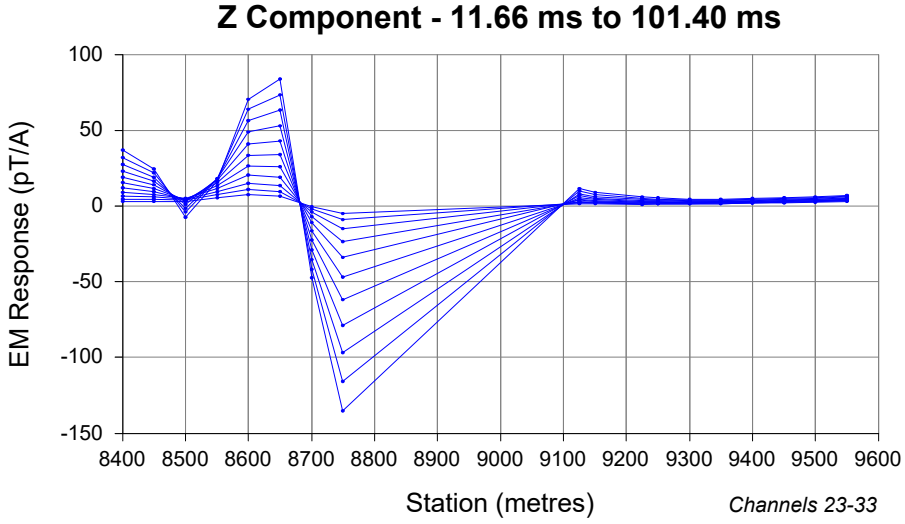








SURVEY PARAMETERS

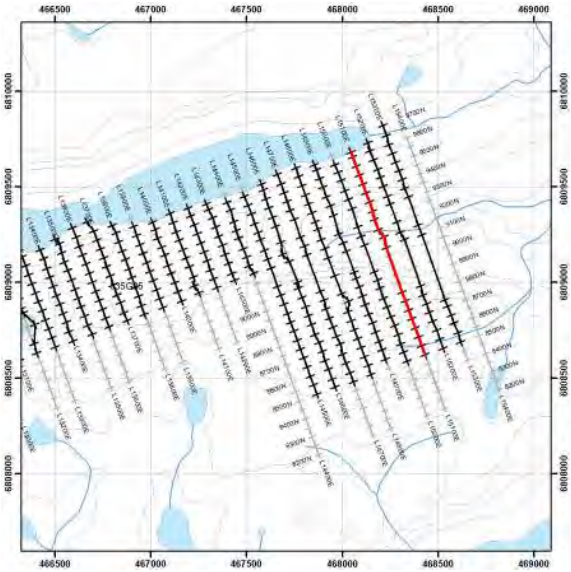
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:12000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 15100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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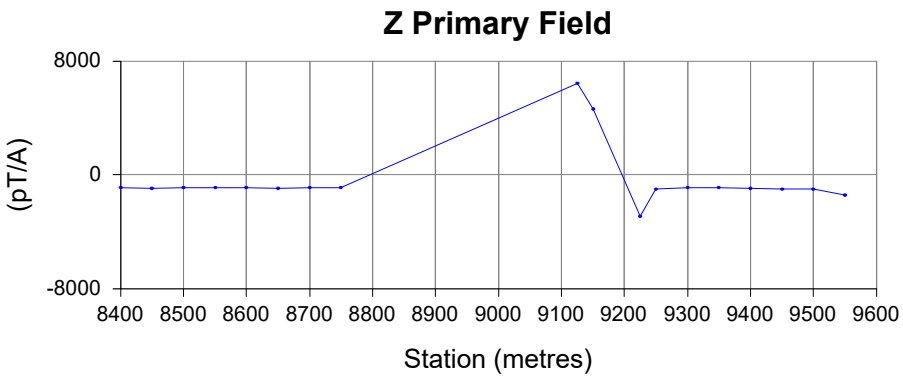
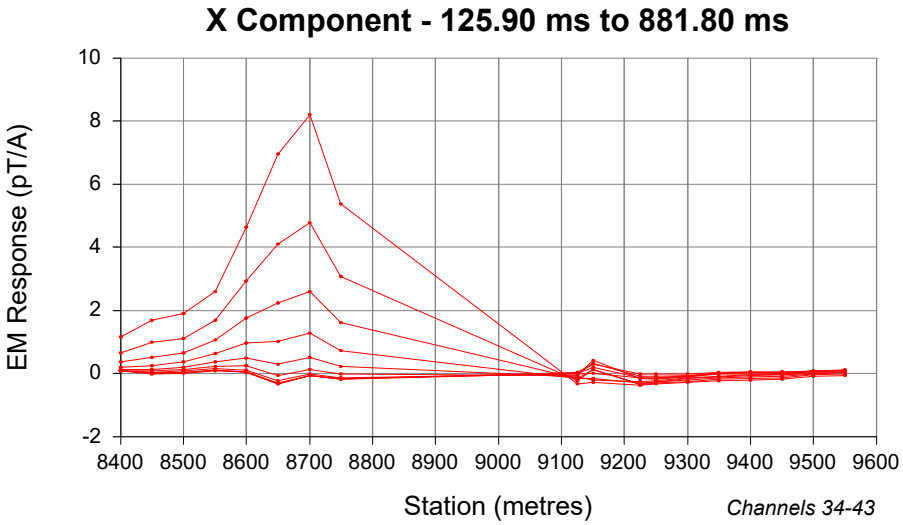
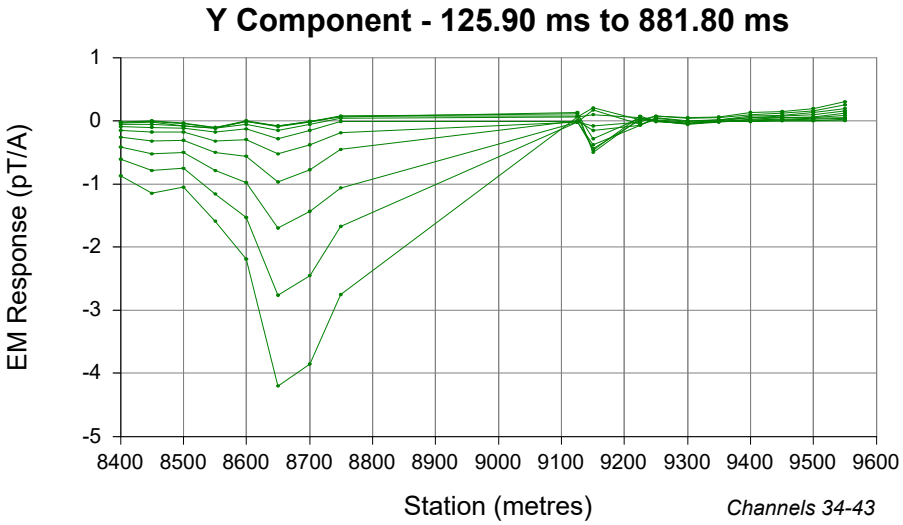
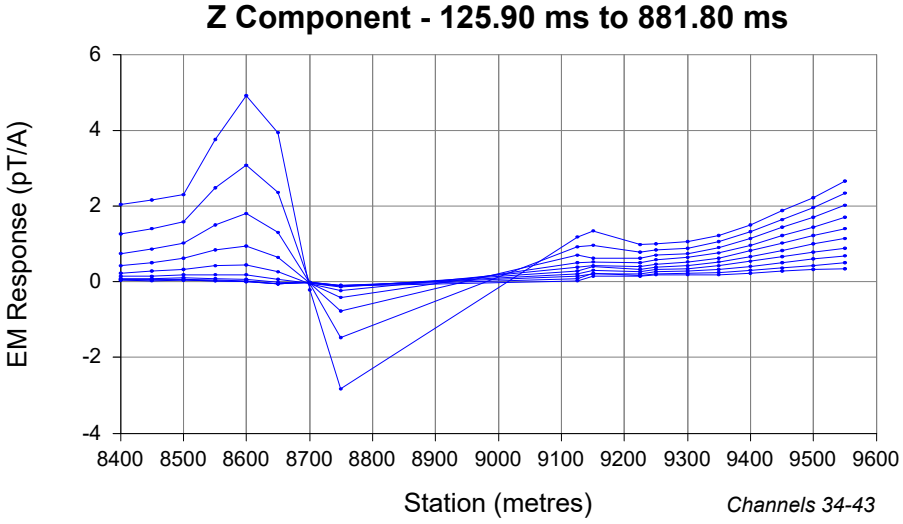








SURVEY PARAMETERS

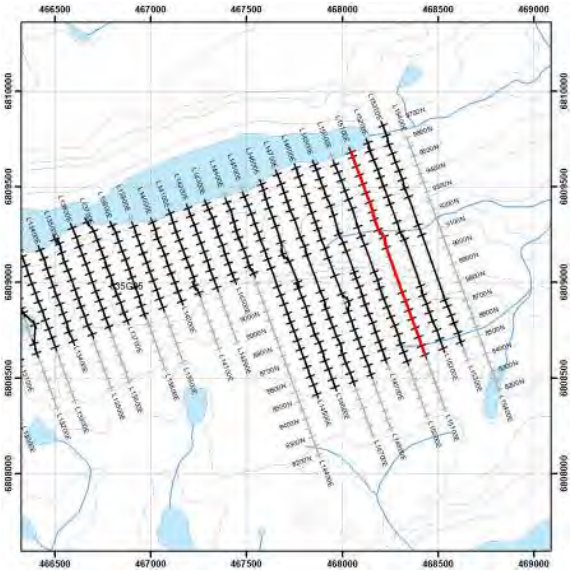
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:12000

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Supracon Jessy HT SQUID
Slingram Survey

Line 15100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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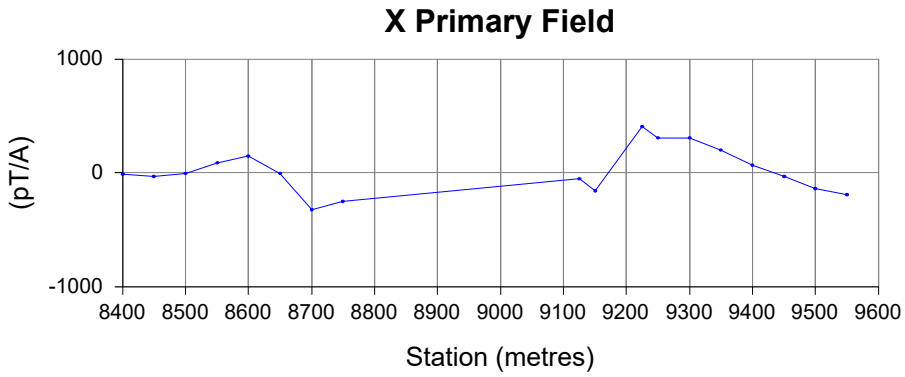
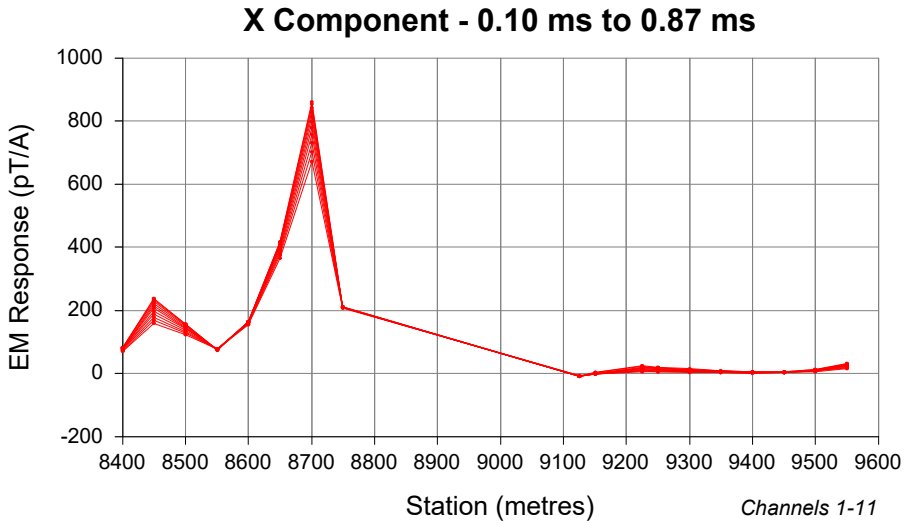
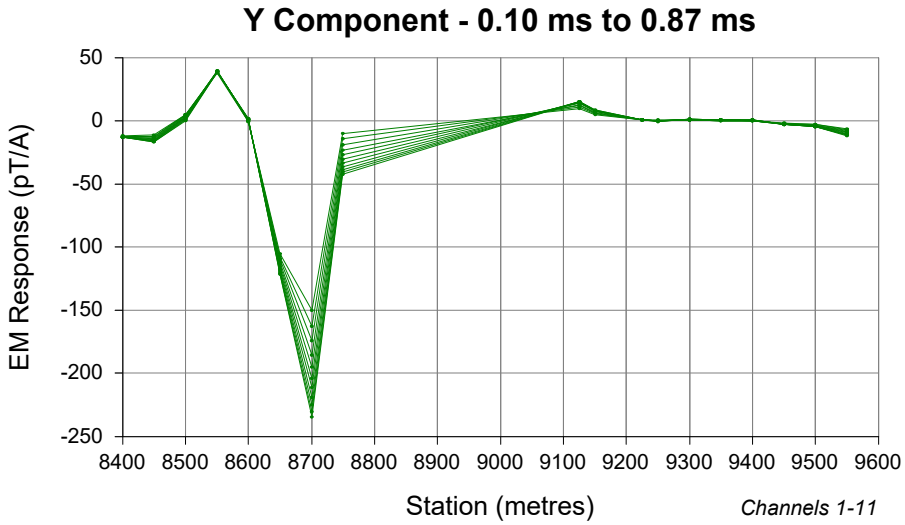
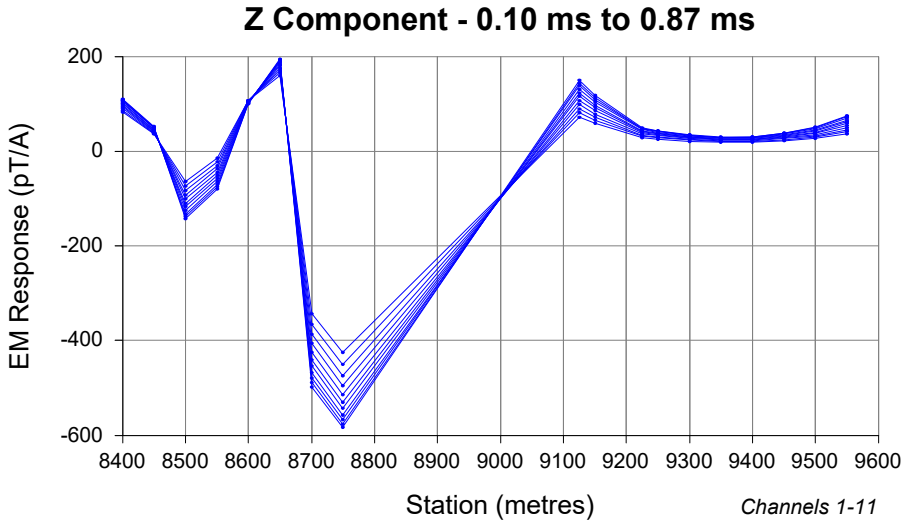








SURVEY PARAMETERS

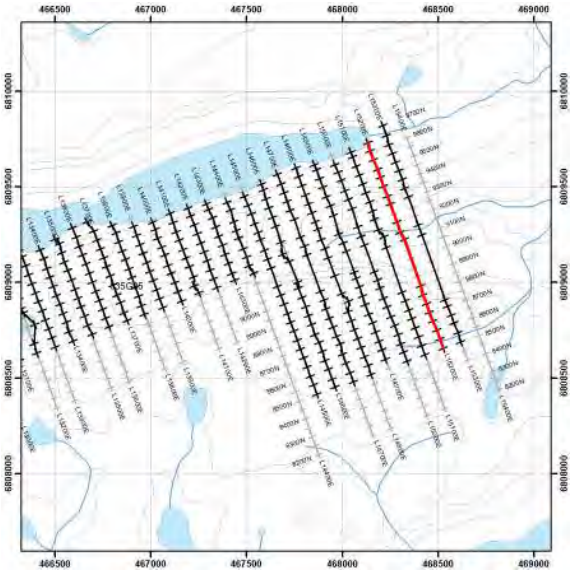
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Slingram Survey

Line 15200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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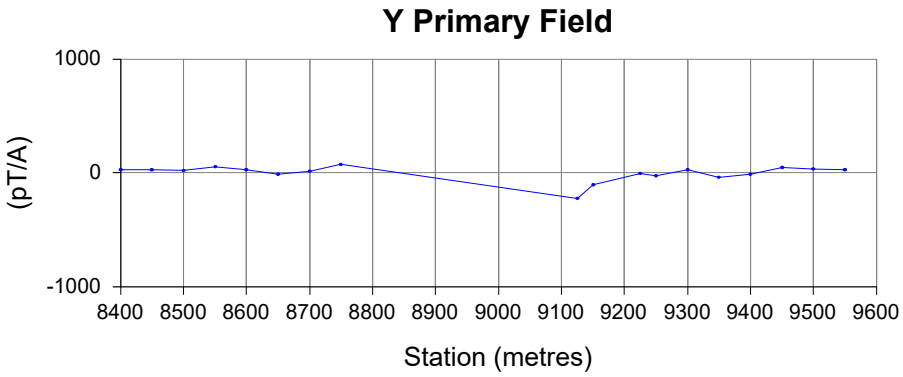
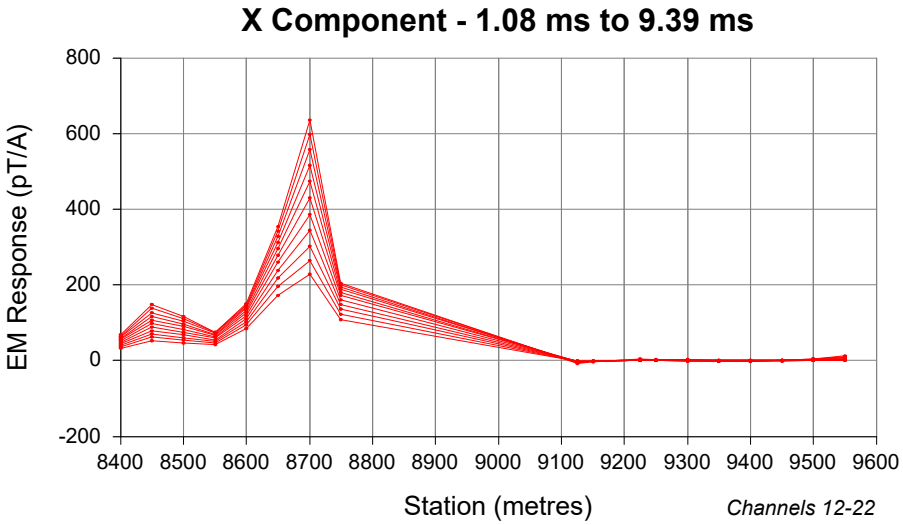
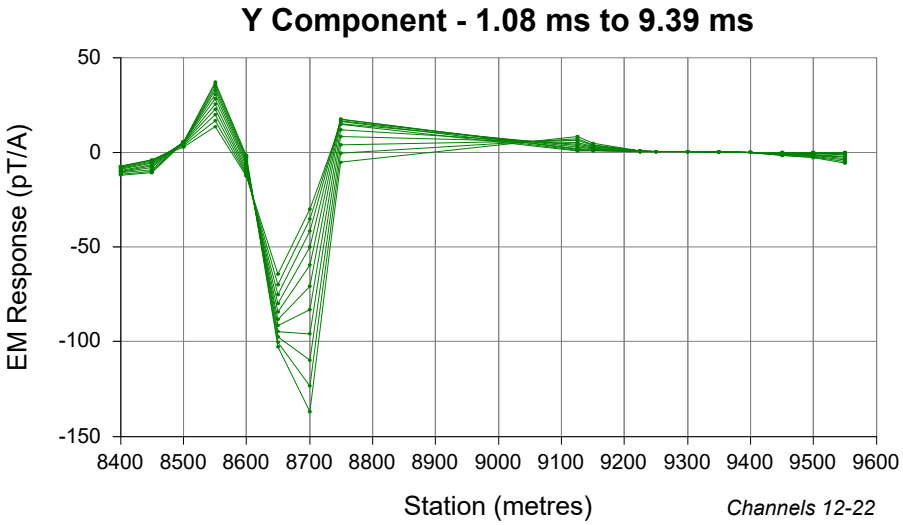
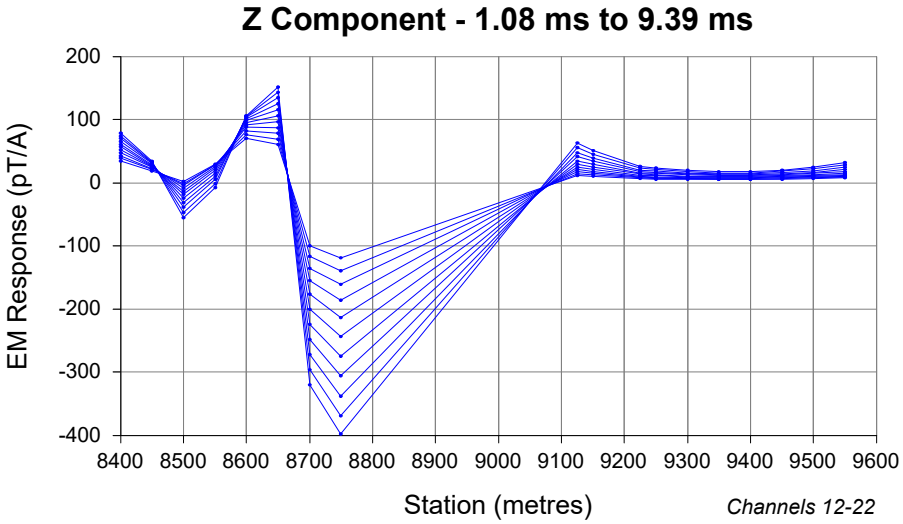








SURVEY PARAMETERS

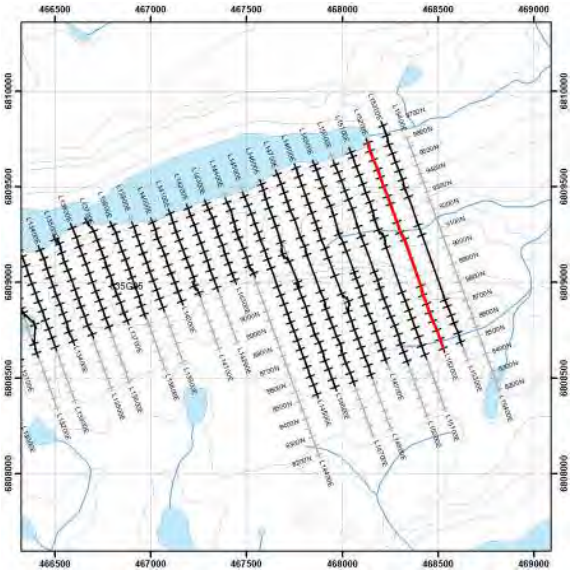
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 15200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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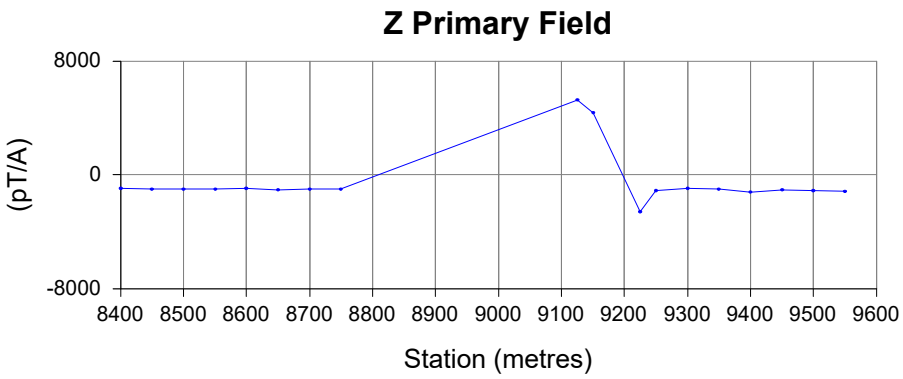
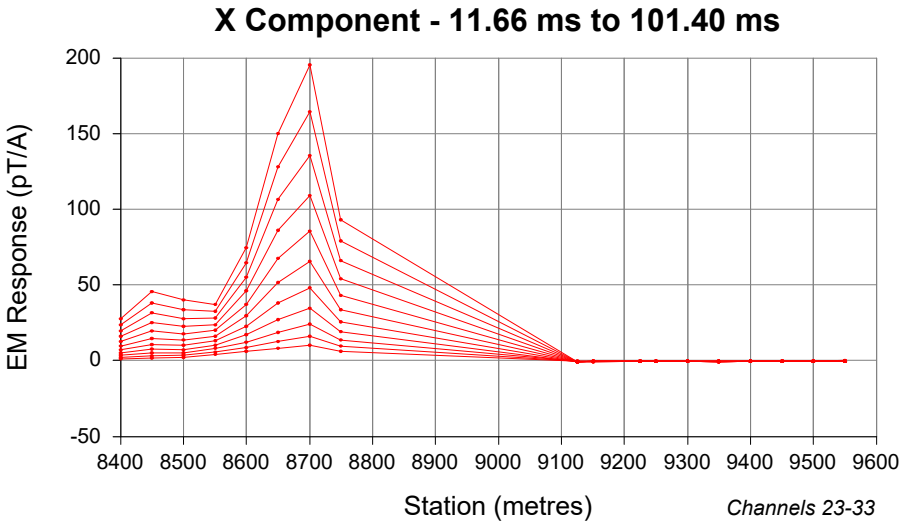
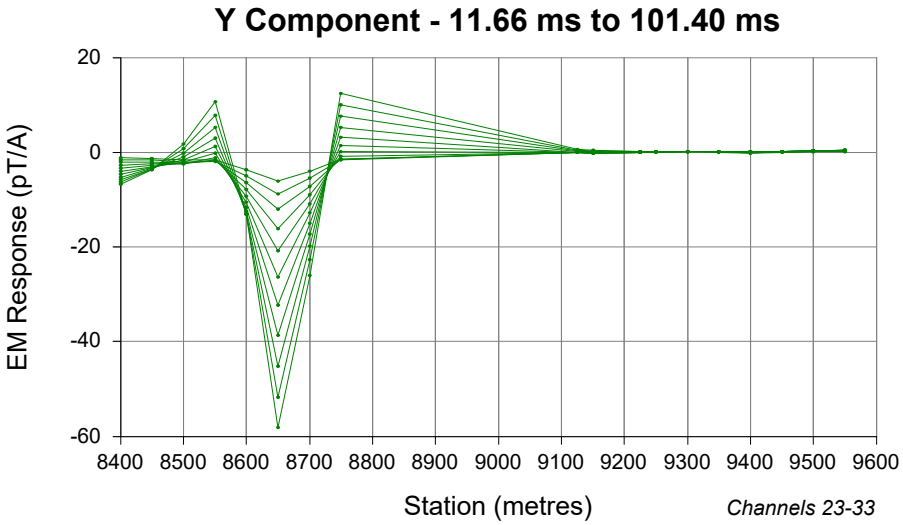
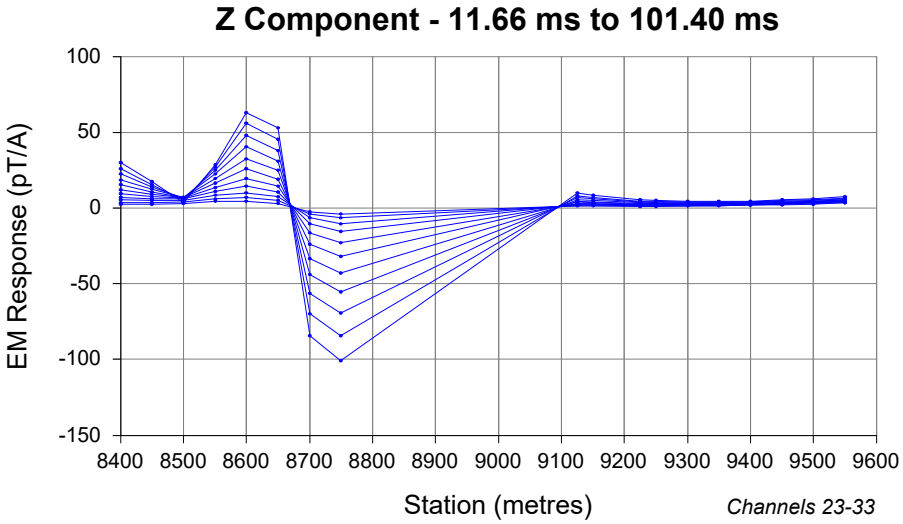








SURVEY PARAMETERS

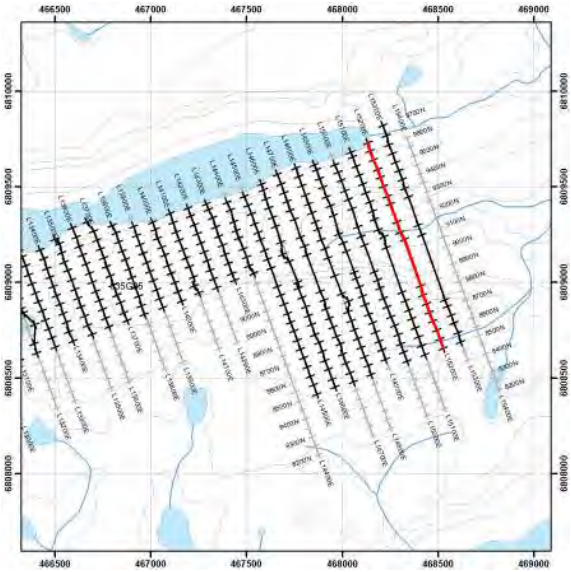
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 15200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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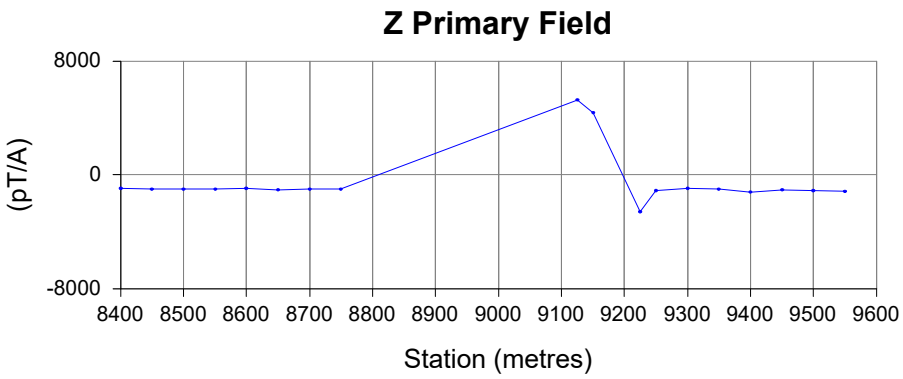
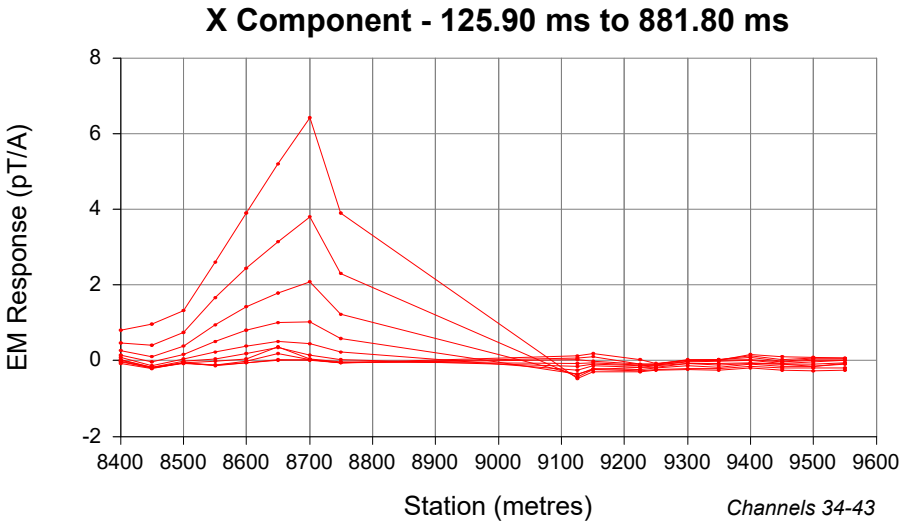
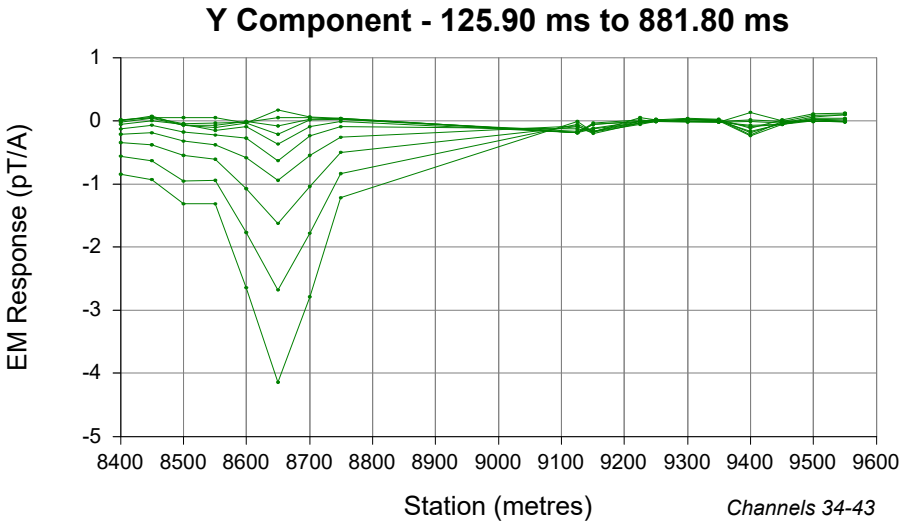
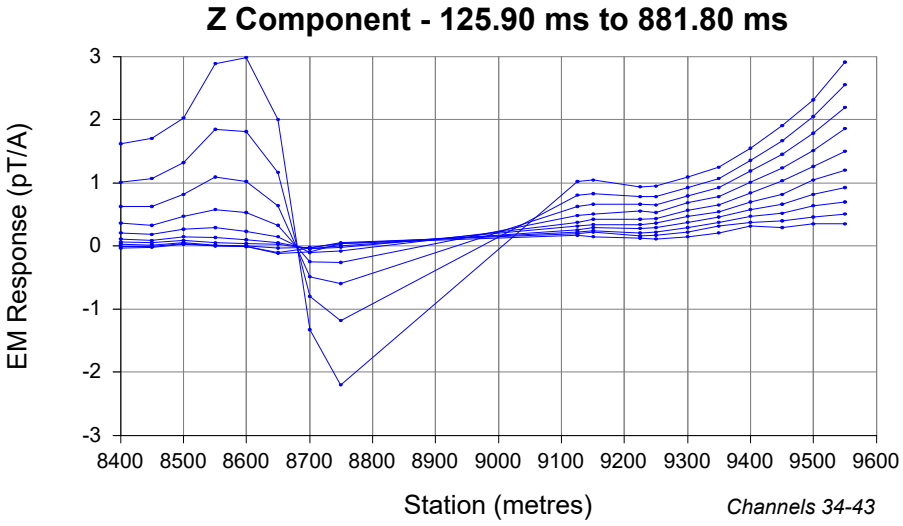








SURVEY PARAMETERS

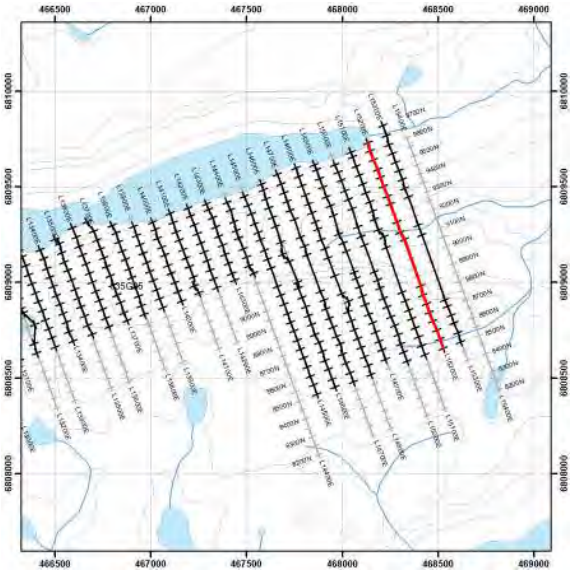
Configuration	: Slingram
Station Spacing	: 0-375 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 15200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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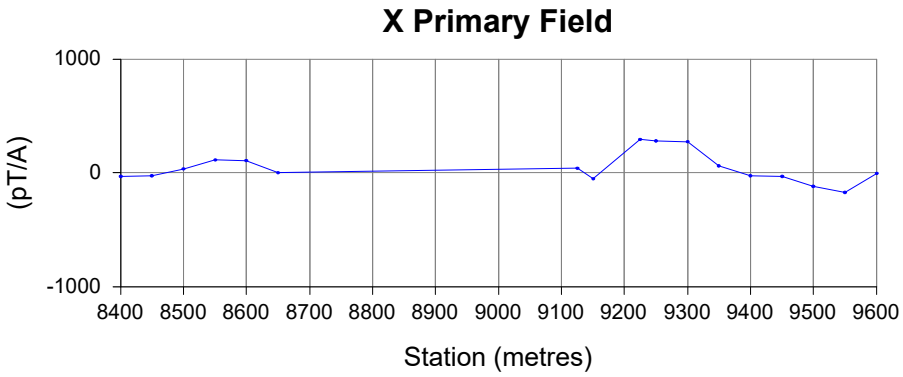
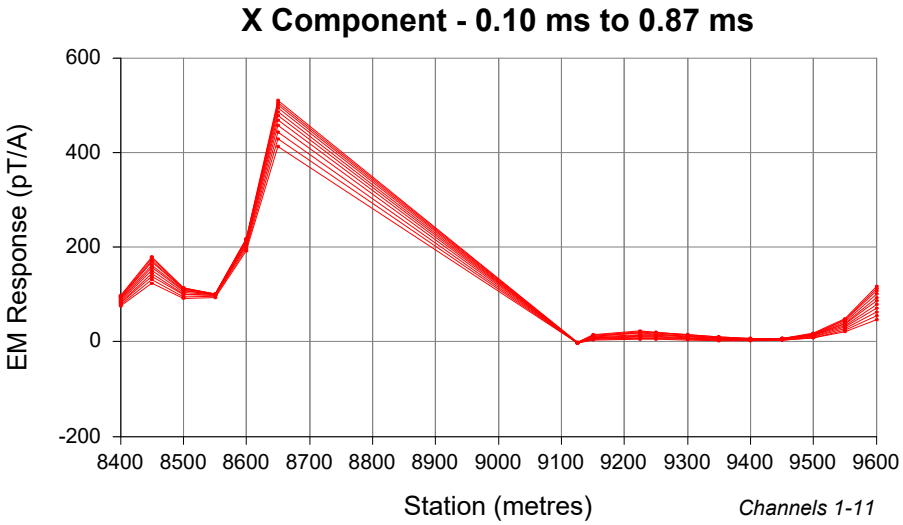
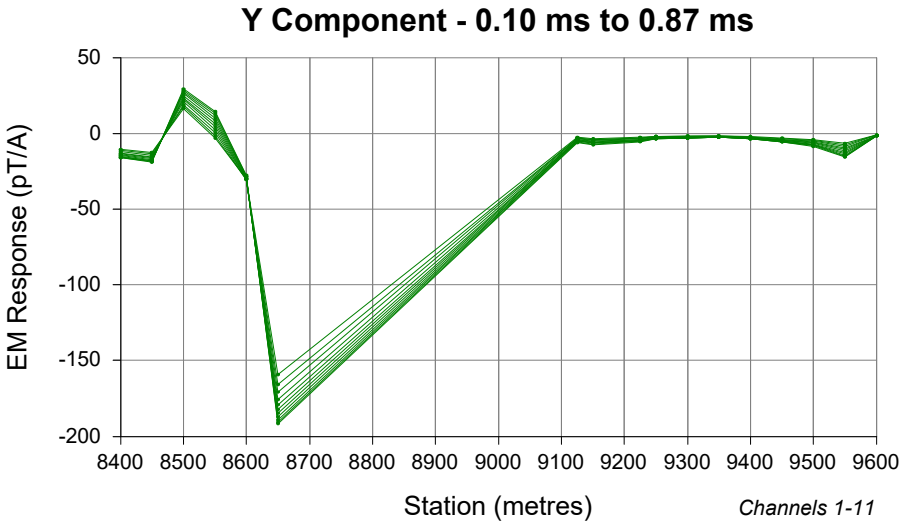
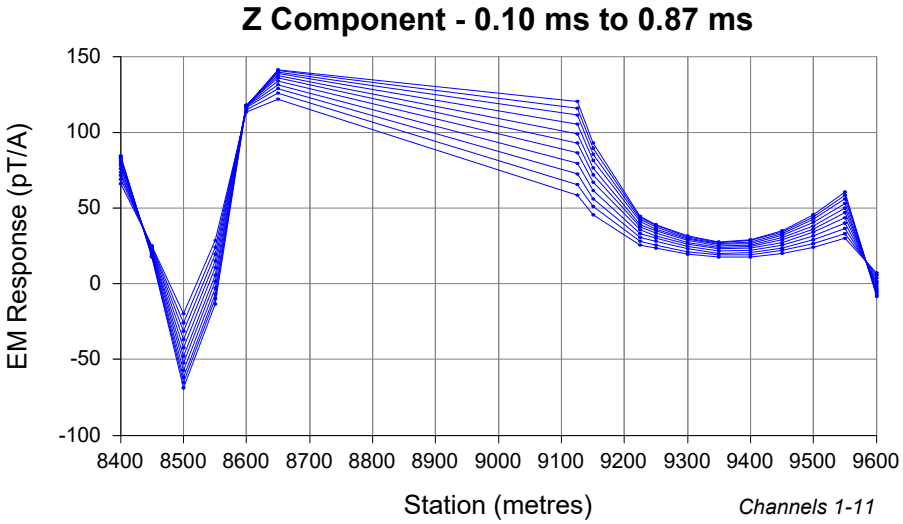








SURVEY PARAMETERS

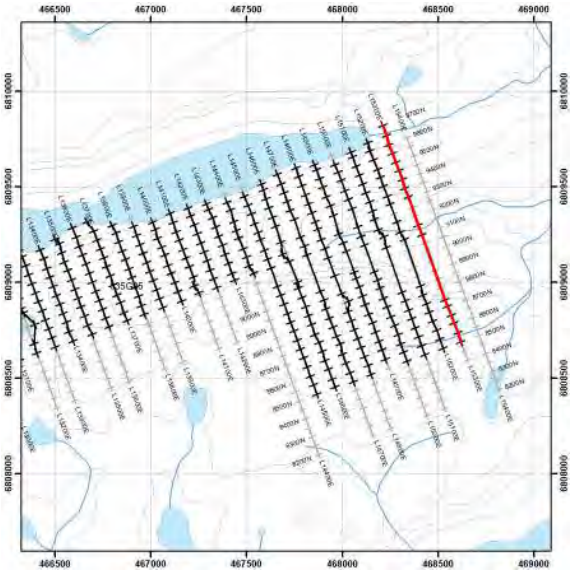
Configuration	: Slingram
Station Spacing	: 0-475 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 15300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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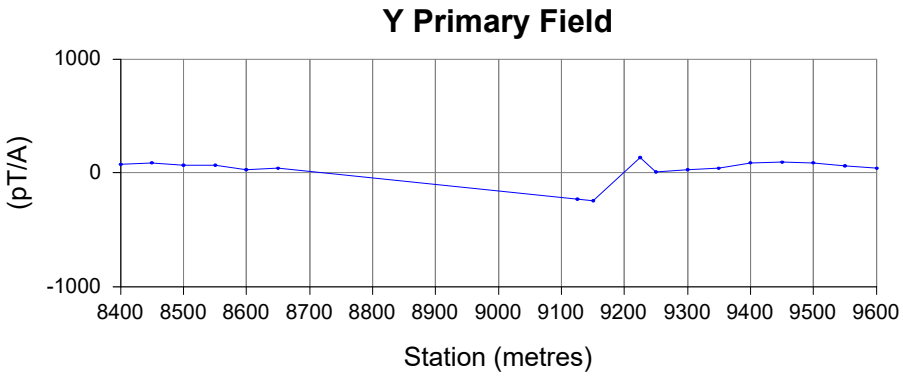
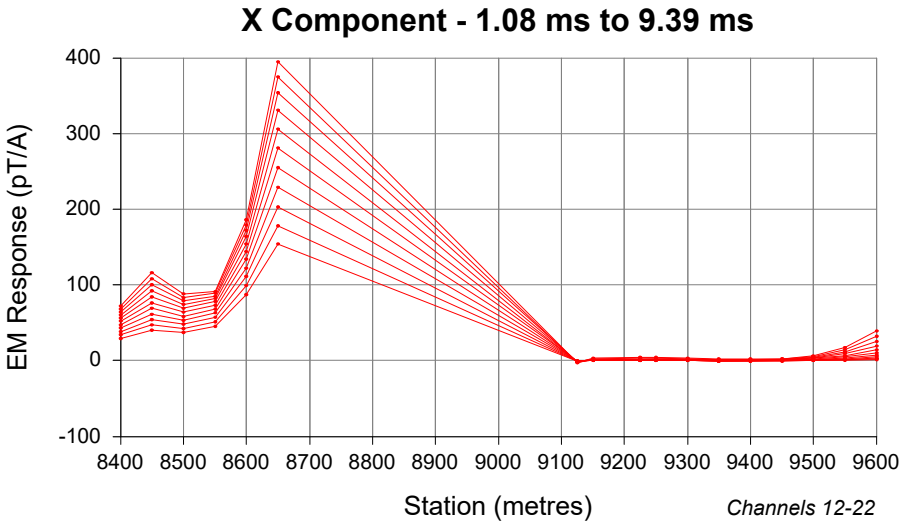
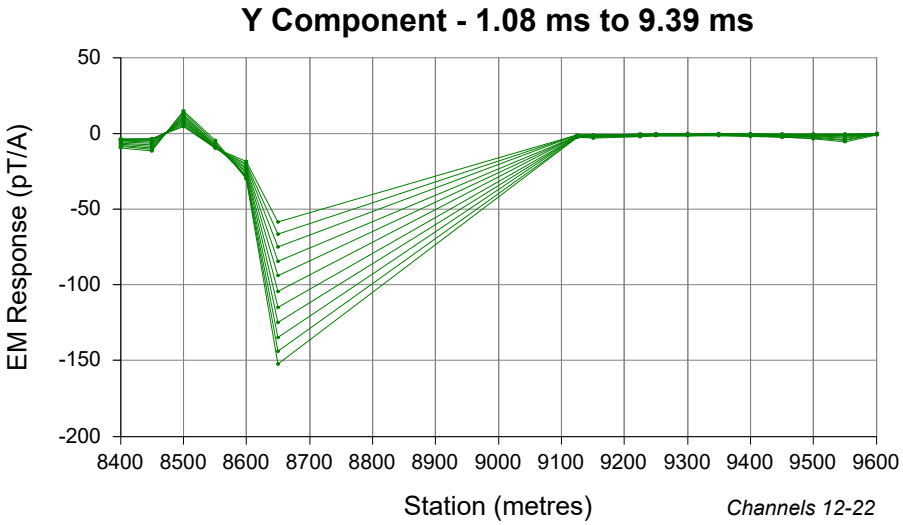
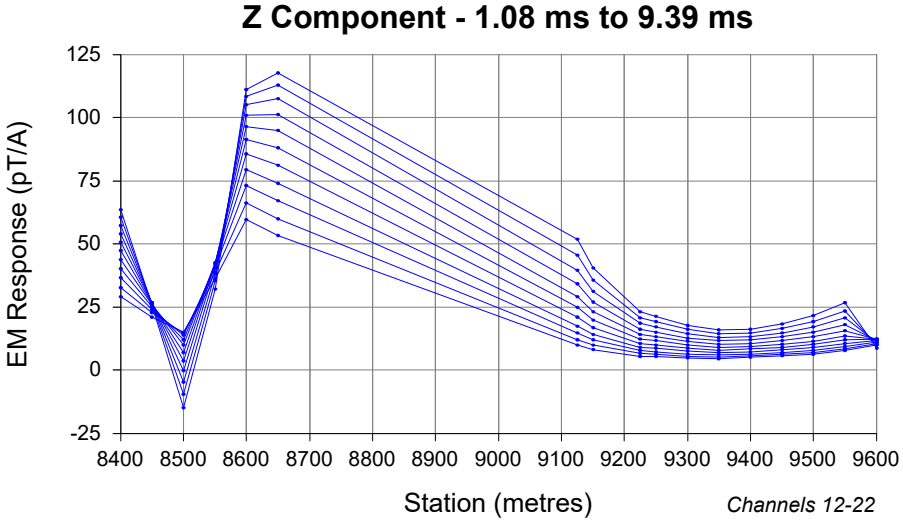








SURVEY PARAMETERS

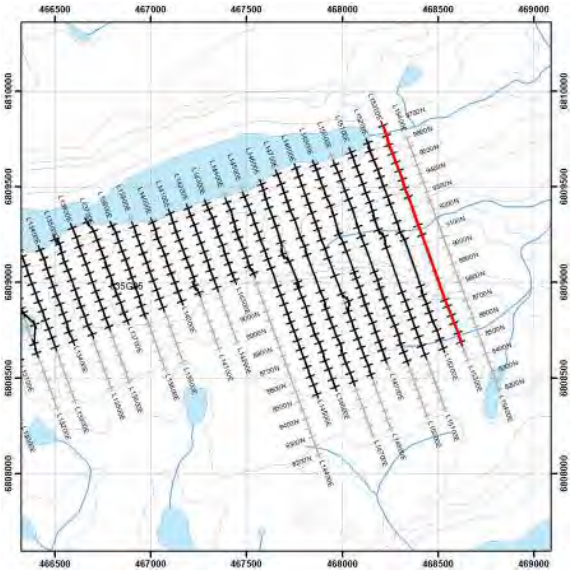
Configuration	: Slingram
Station Spacing	: 0-475 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Line 15300E

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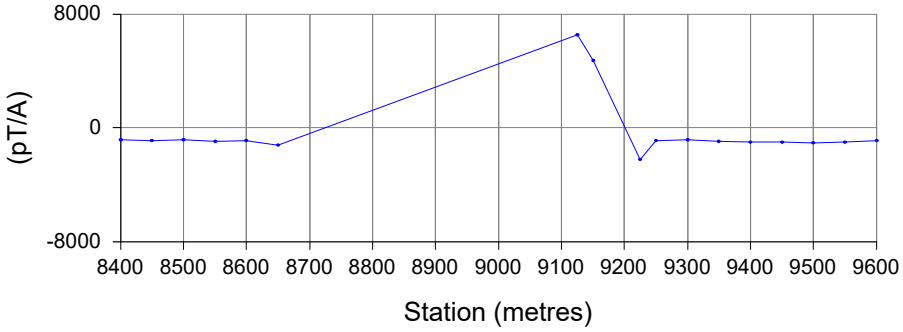
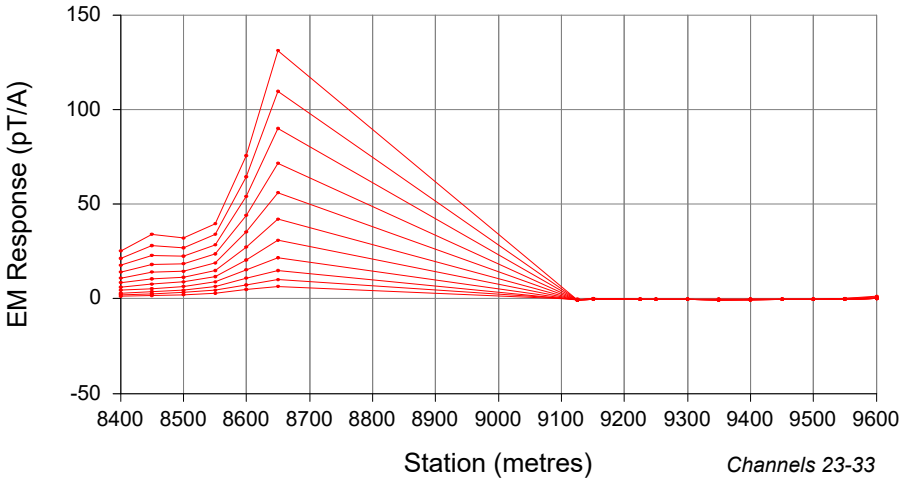
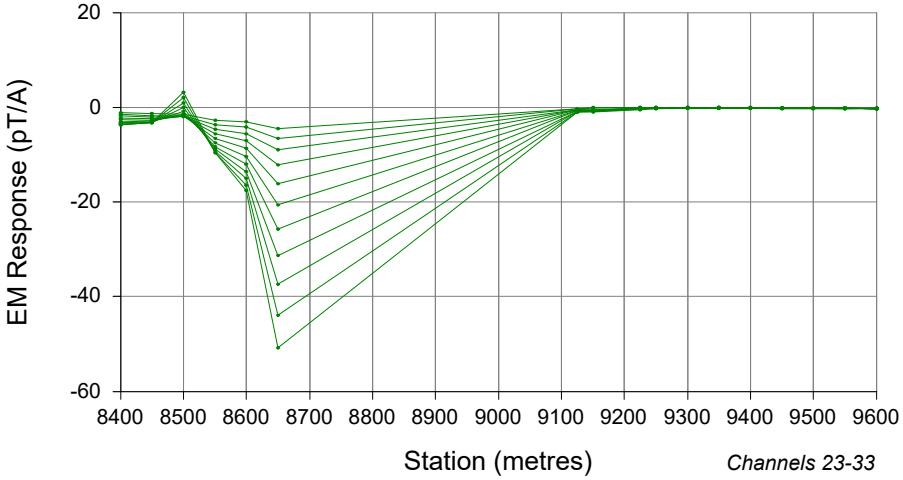
Z Primary Field



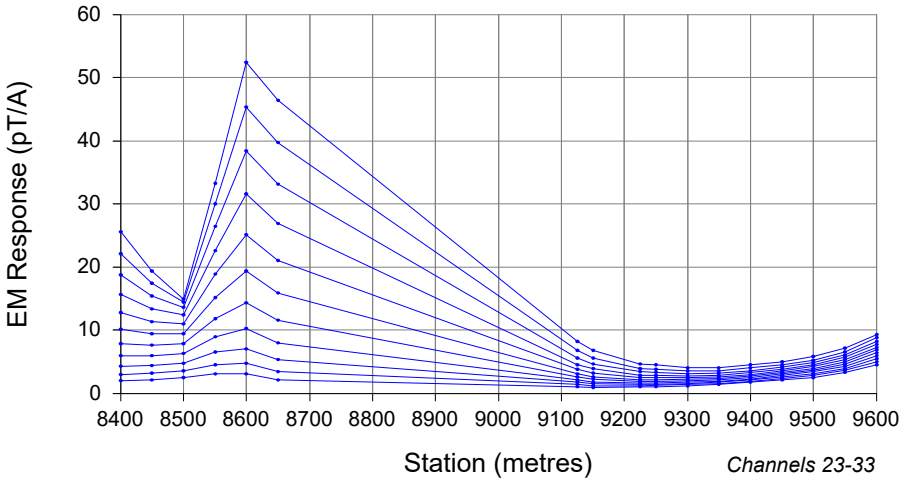
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

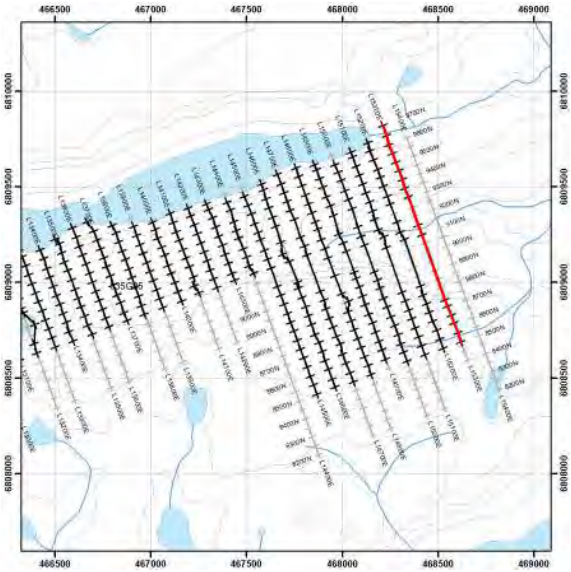
Configuration	: Slingram
Station Spacing	: 0-475 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Line 15300E

Surveyed By: Cole Smytaniuk
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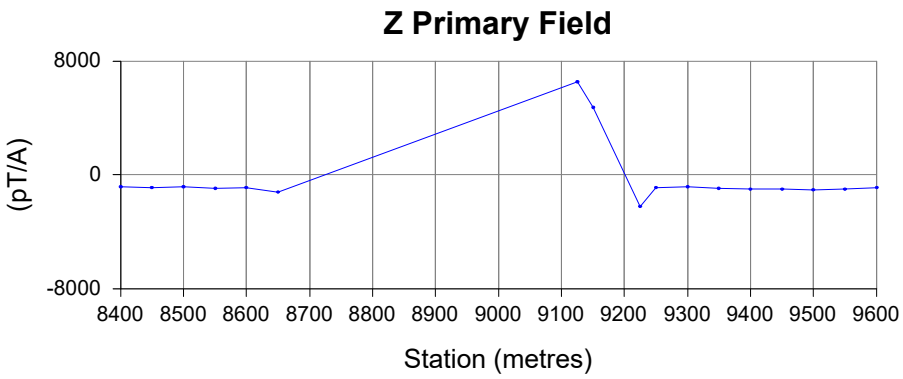
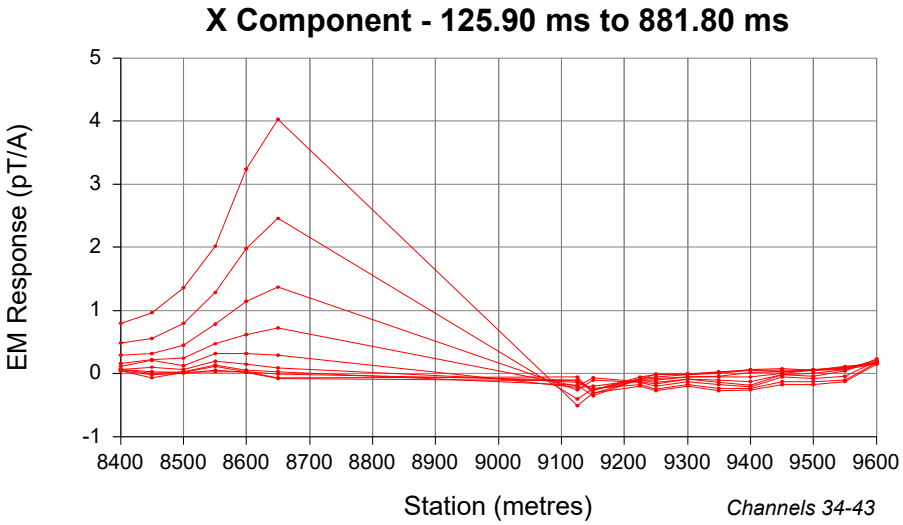
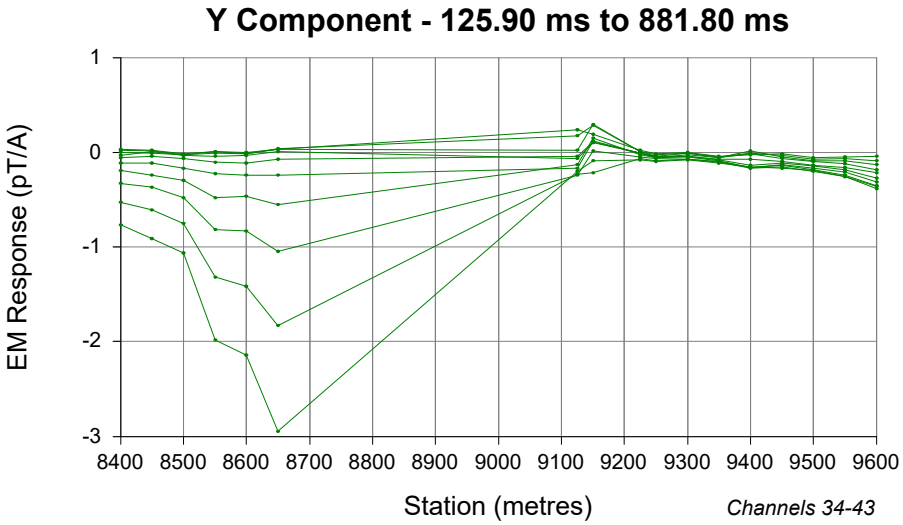
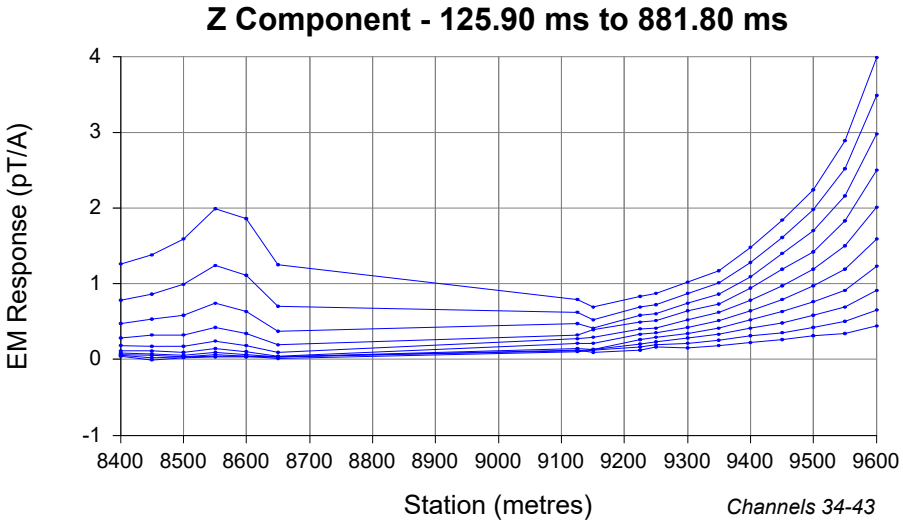








SURVEY PARAMETERS

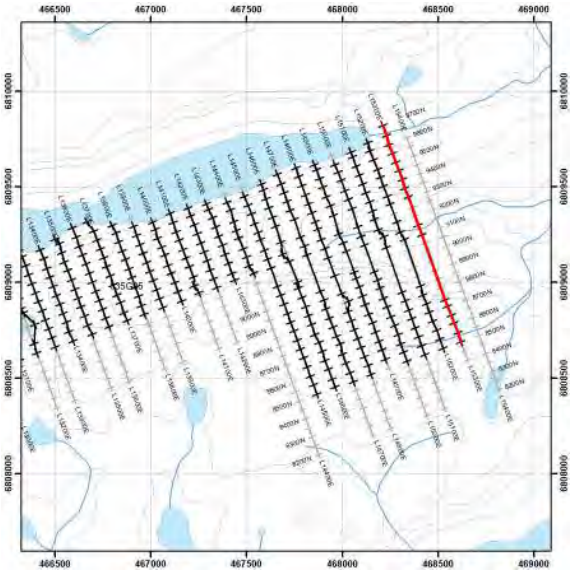
Configuration	: Slingram
Station Spacing	: 0-475 m
Rx-Tx Offset	: 200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:12000

Orford Mining Corp.
West Raglan Project
Beverly West Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 15300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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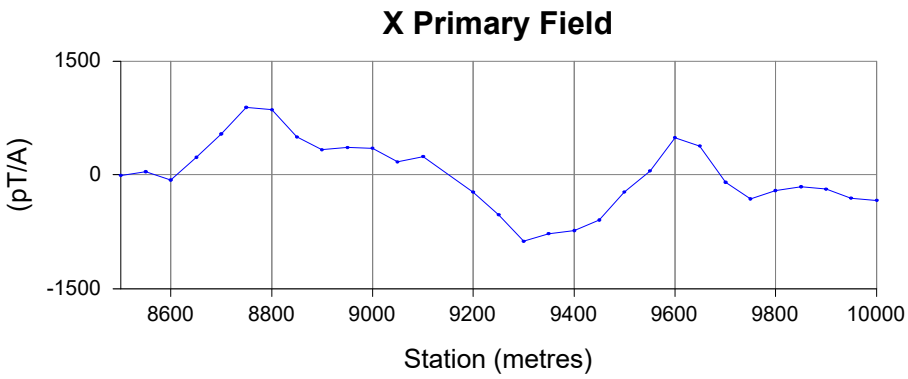
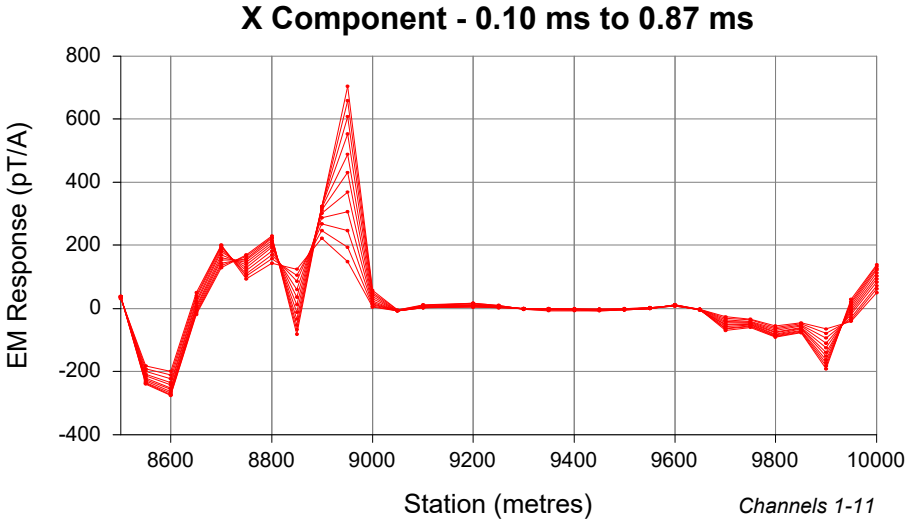
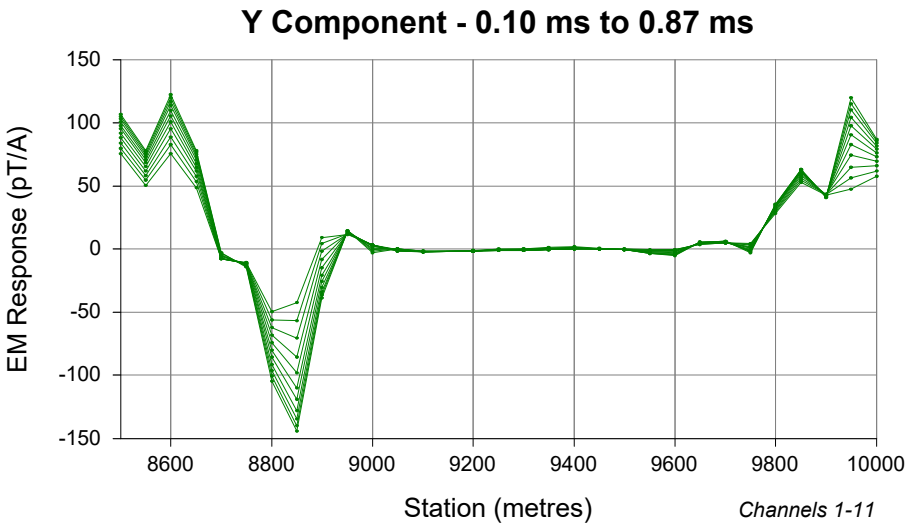
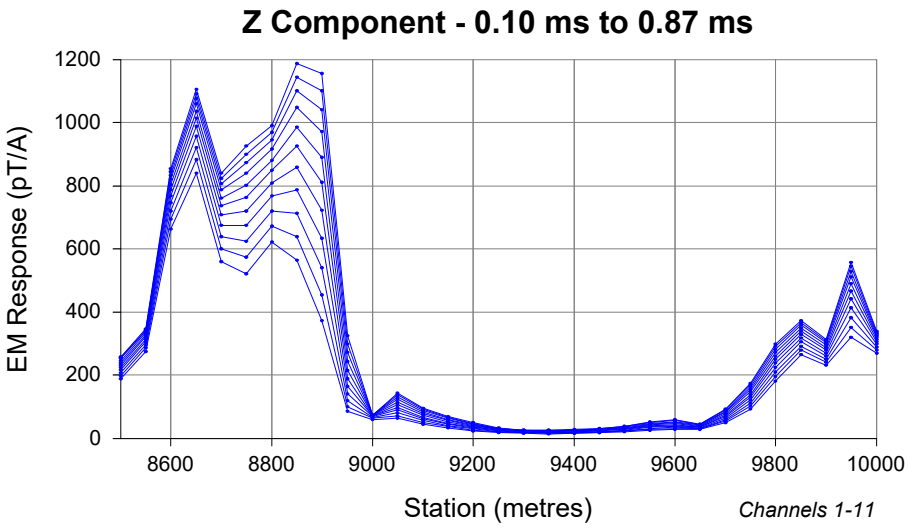
APPENDIX I – BEVERLY CENTRAL CENTER MLTEM PROFILE PLOTS









SURVEY PARAMETERS

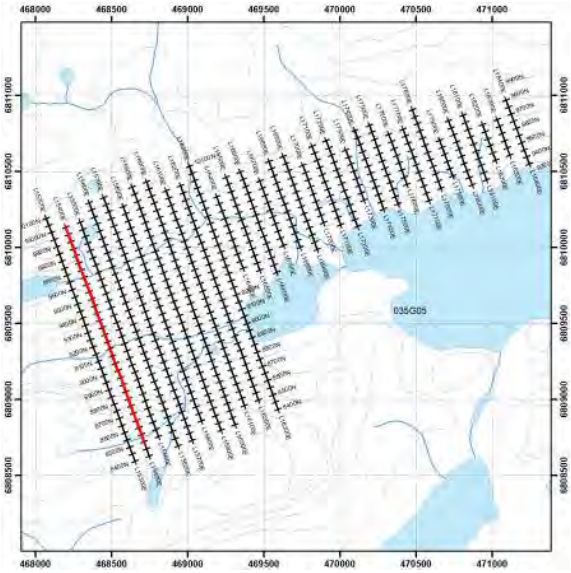
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

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Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15400E

Surveyed By: Joseph Cook
Survey Date: July 2021

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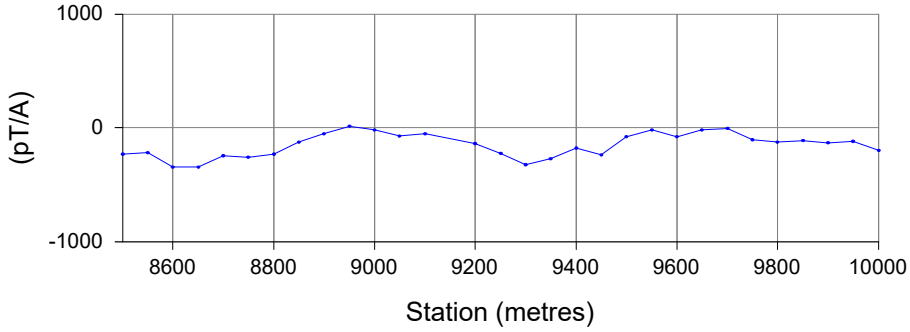
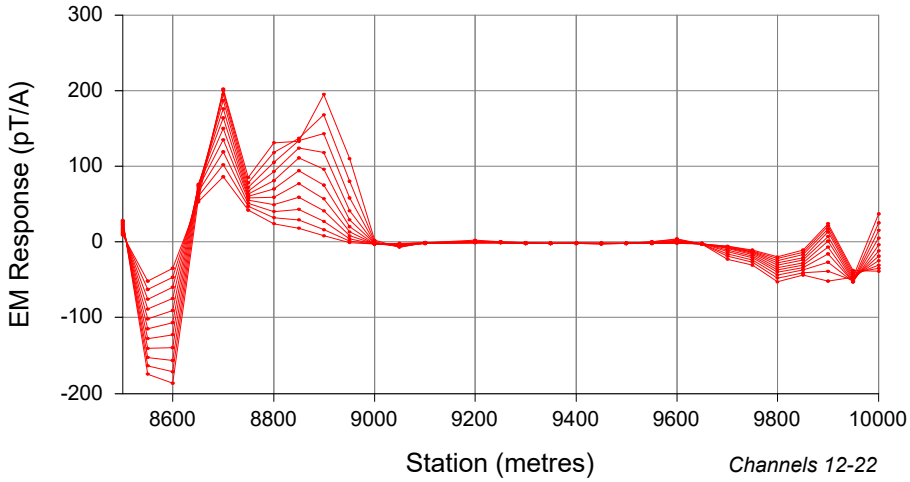
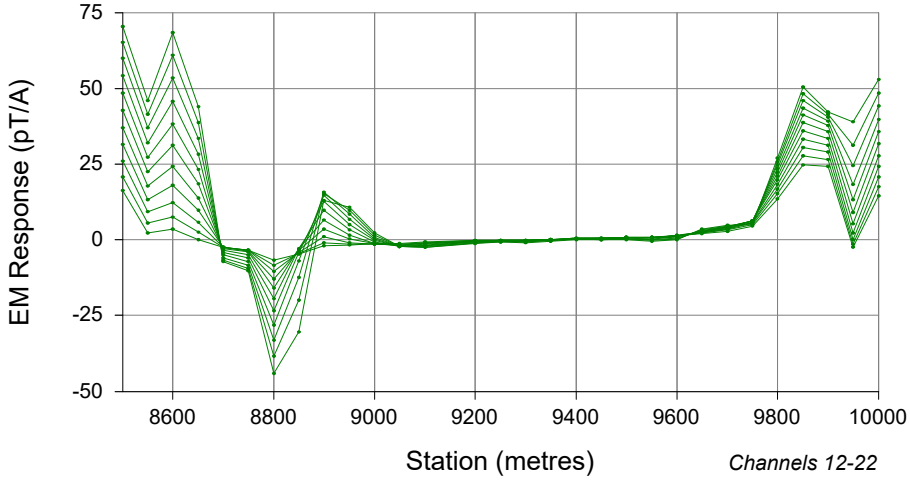
Y Primary Field



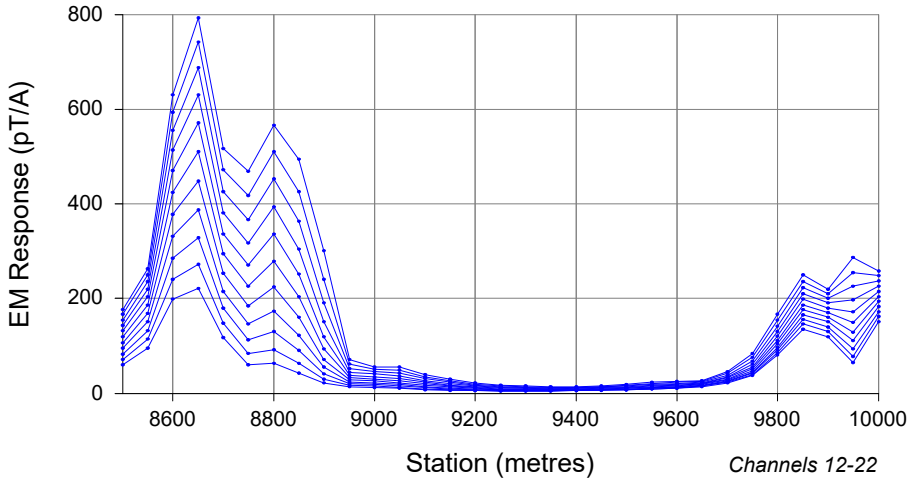
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

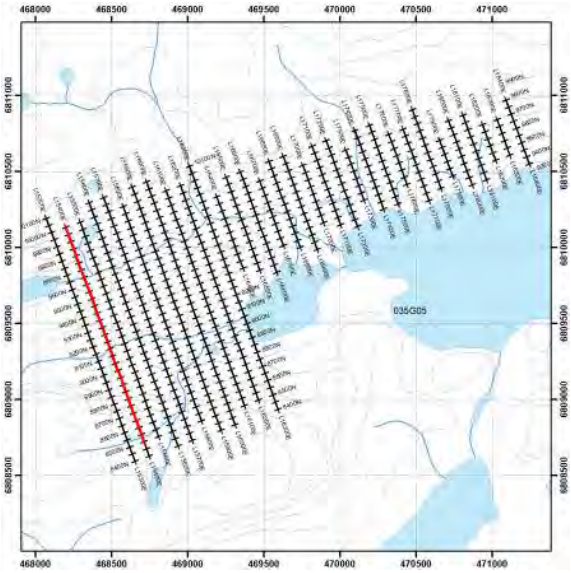
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



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Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15400E

Surveyed By: Joseph Cook
Survey Date: July 2021

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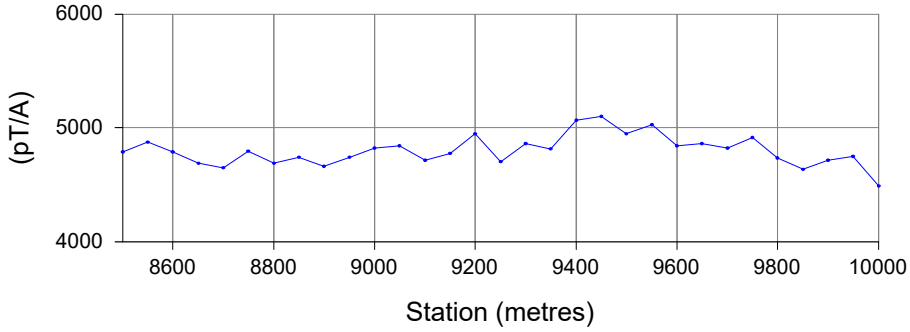
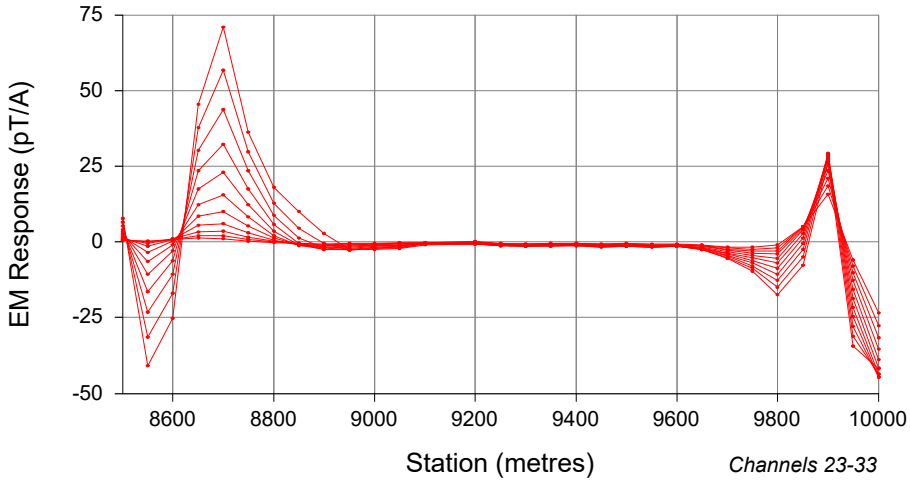
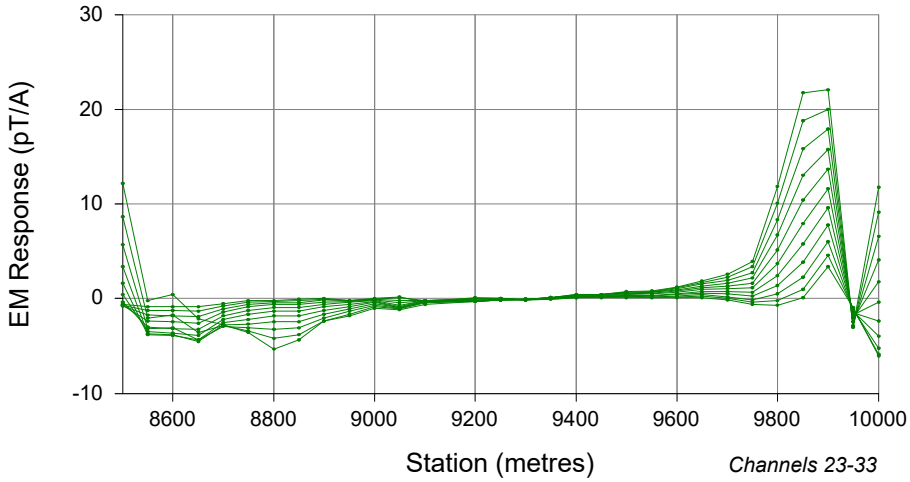
Z Primary Field



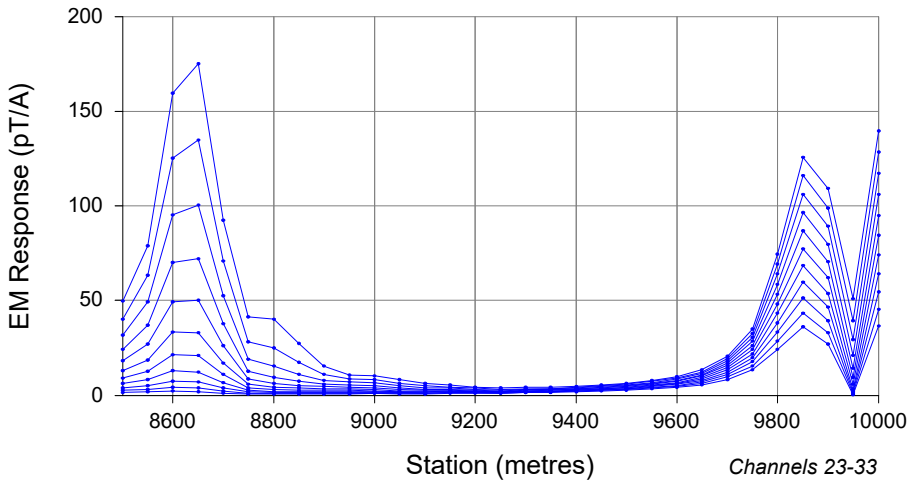
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

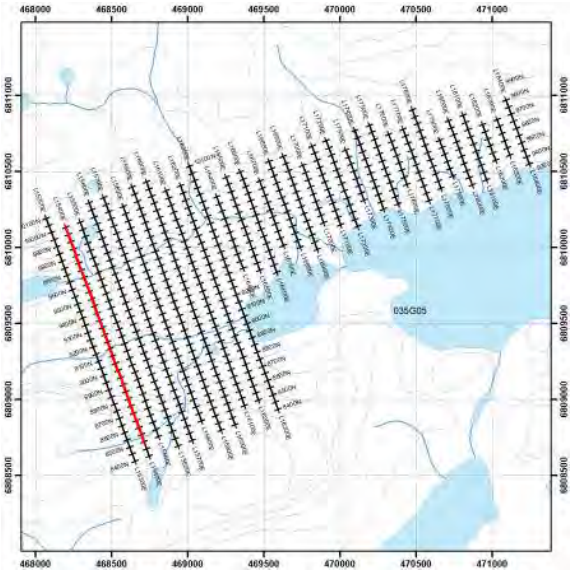
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15400E

Surveyed By: Joseph Cook
Survey Date: July 2021

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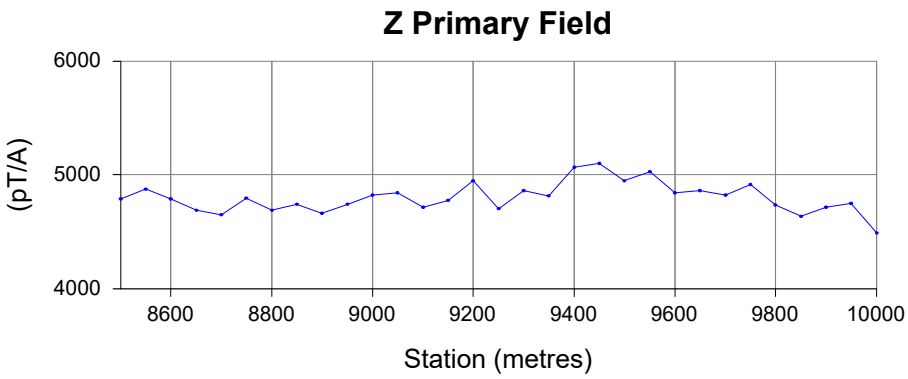
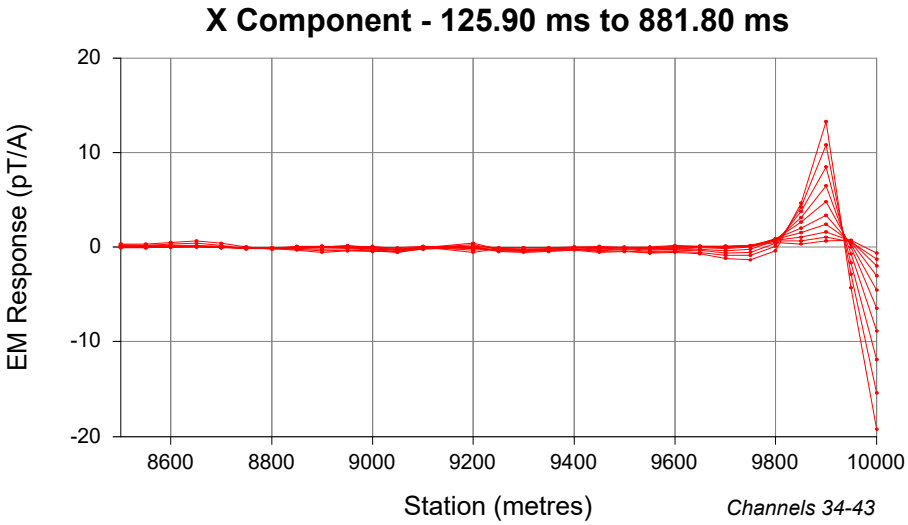
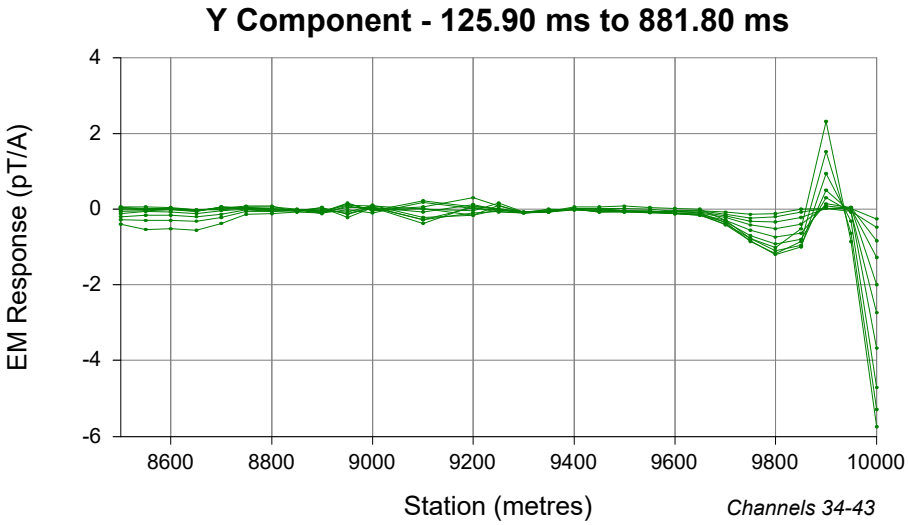
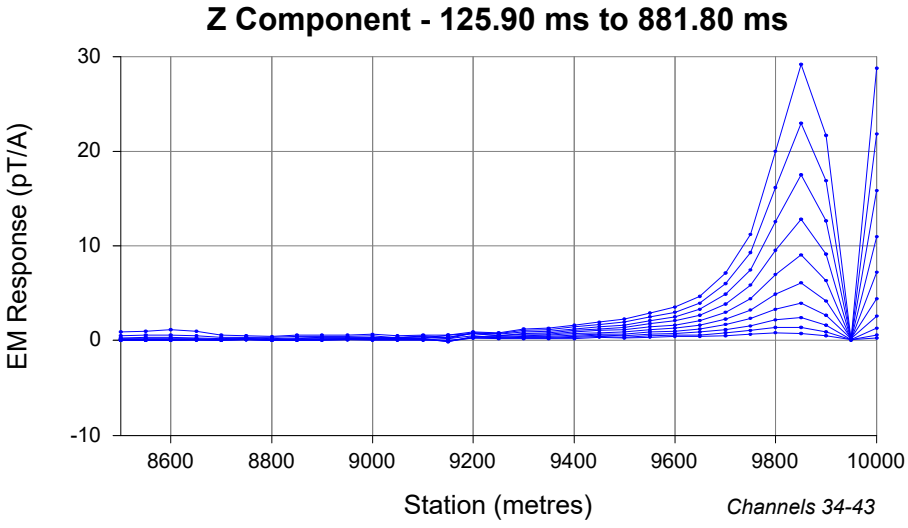








SURVEY PARAMETERS

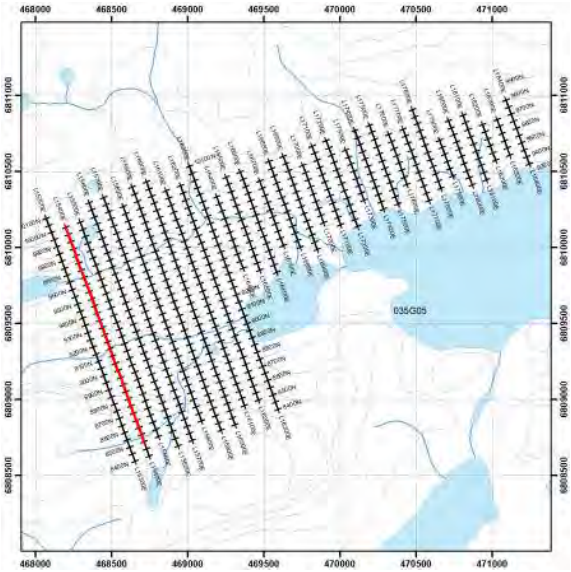
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15400E

Surveyed By: Joseph Cook
Survey Date: July 2021

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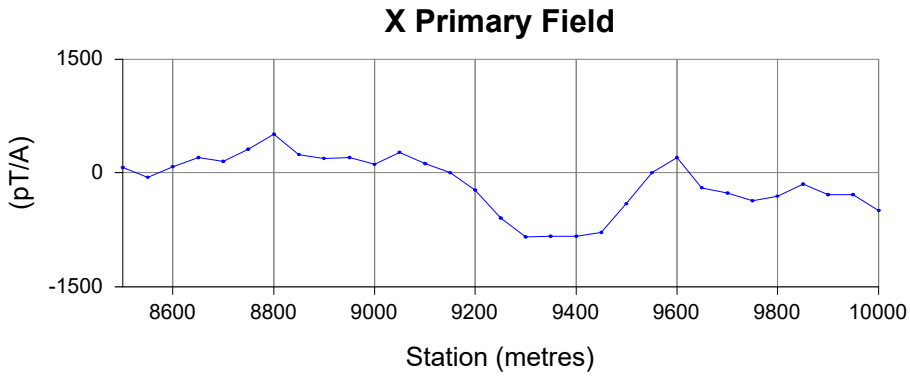
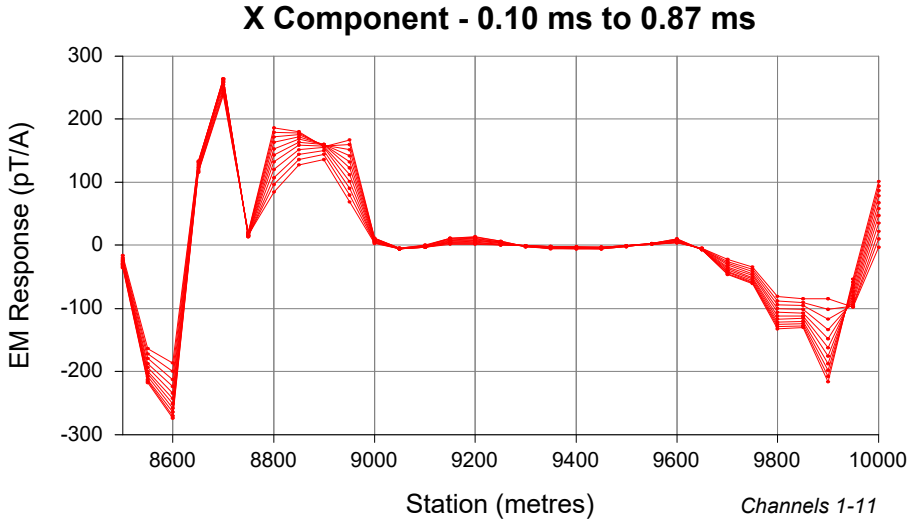
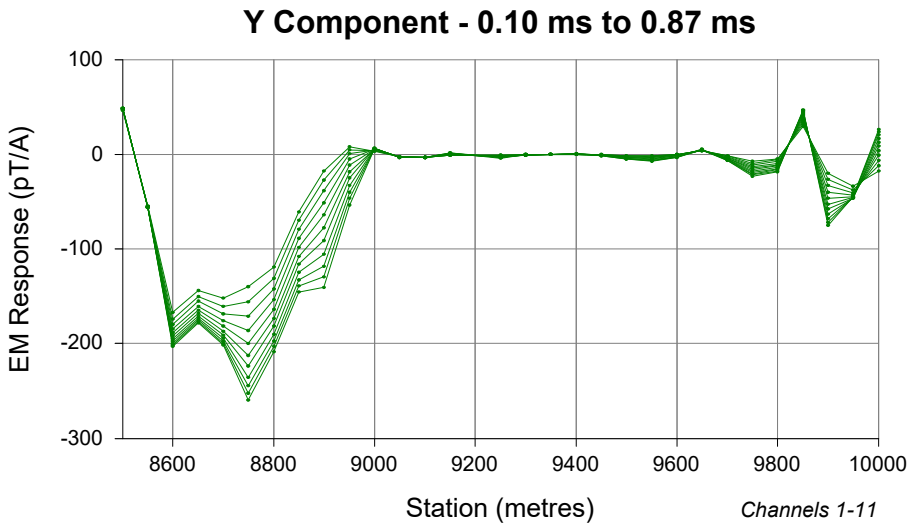
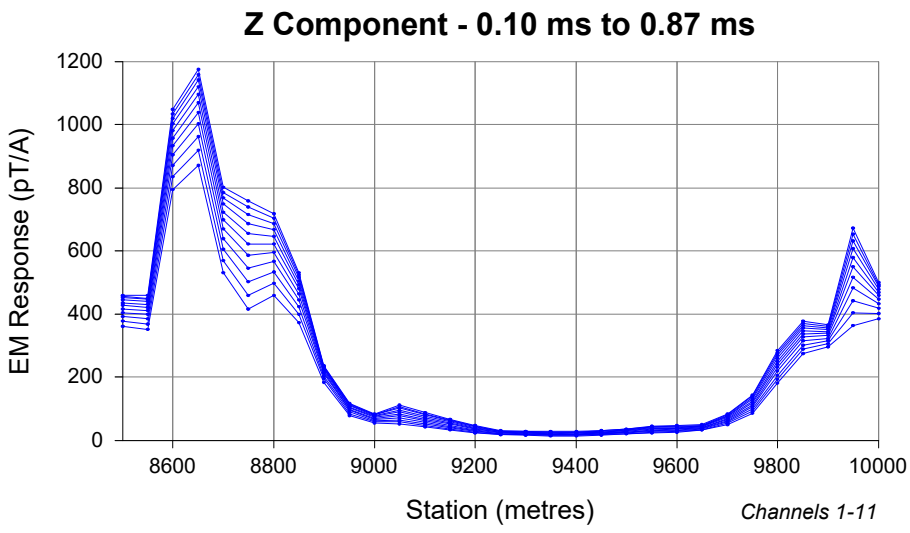








SURVEY PARAMETERS

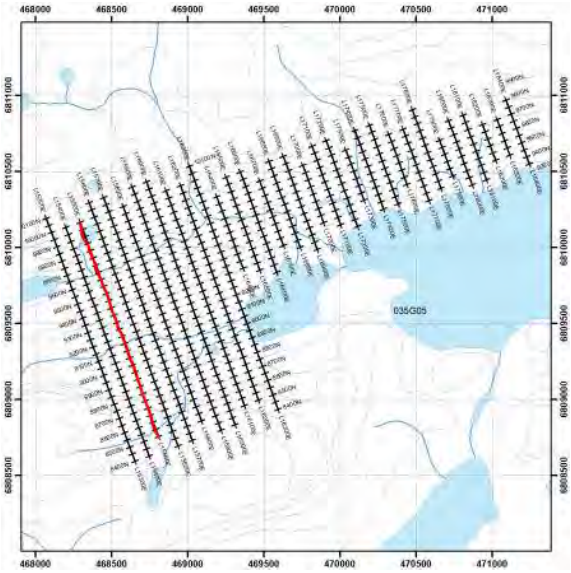
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

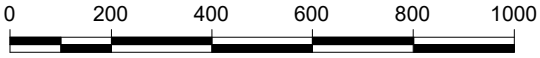
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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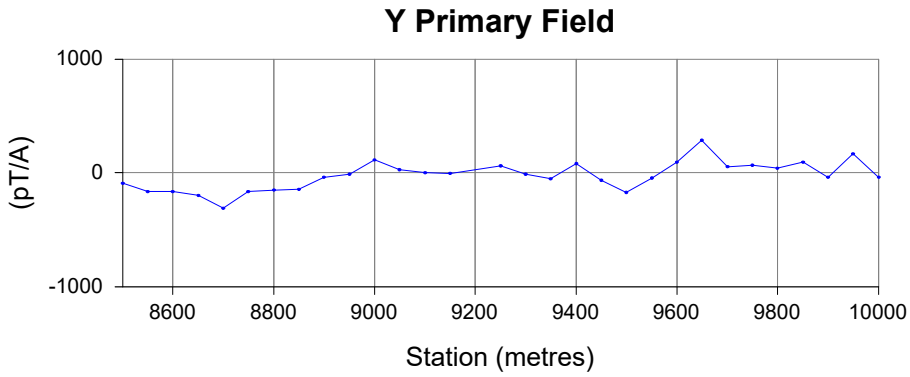
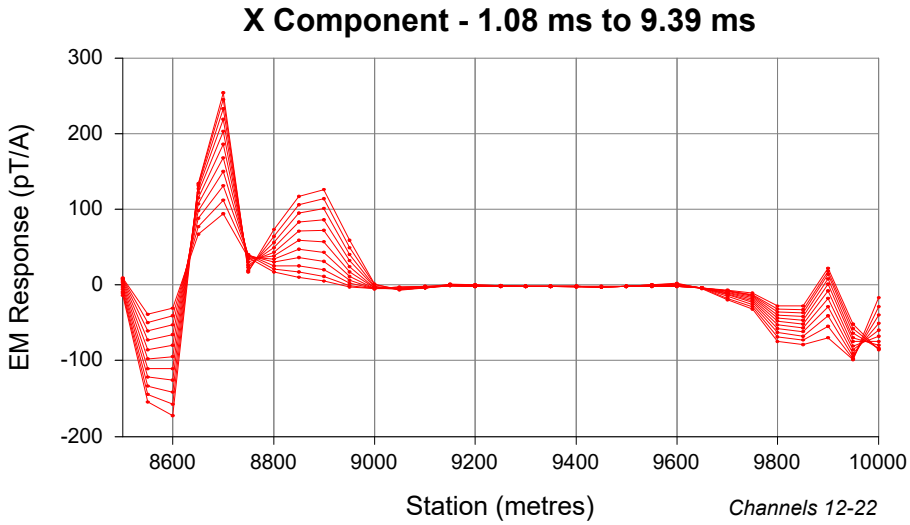
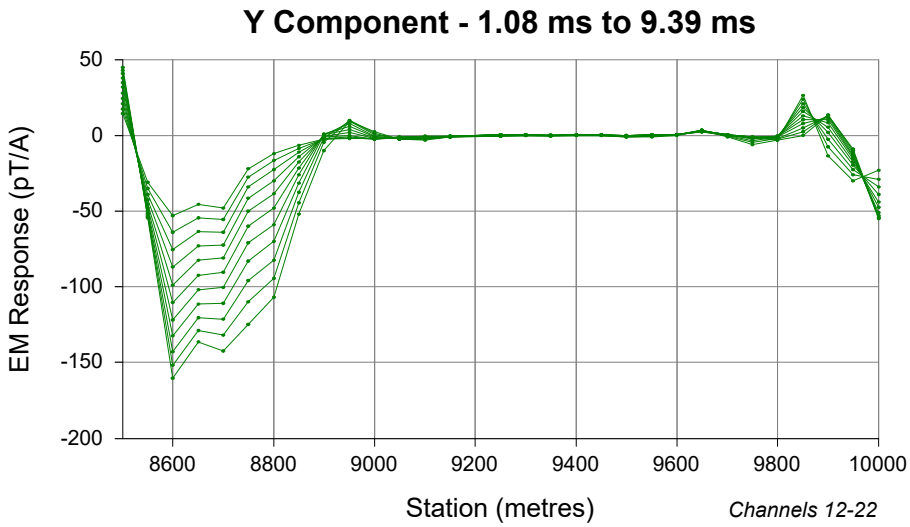
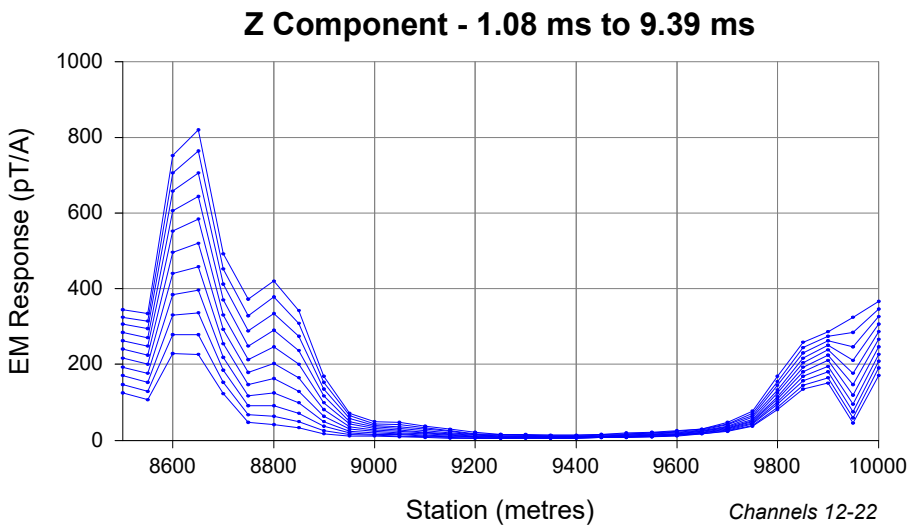








SURVEY PARAMETERS

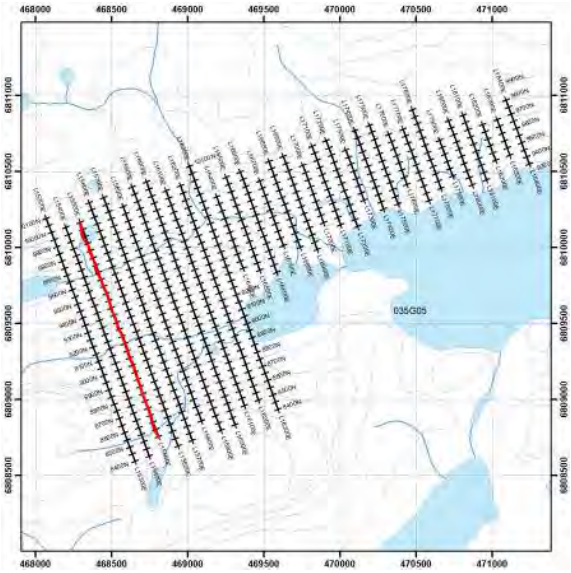
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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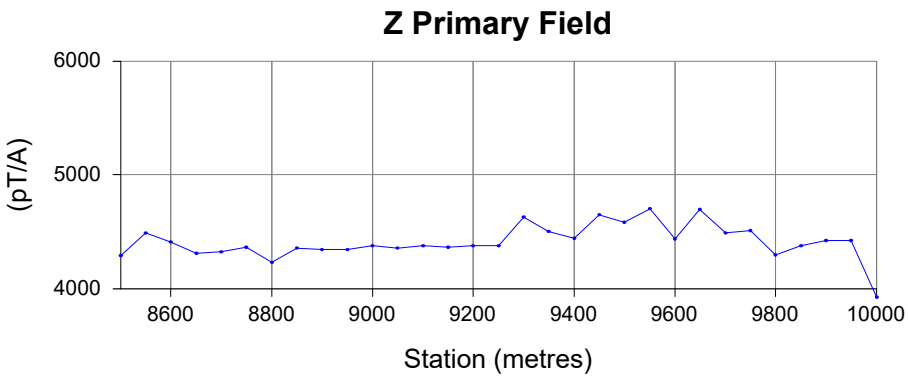
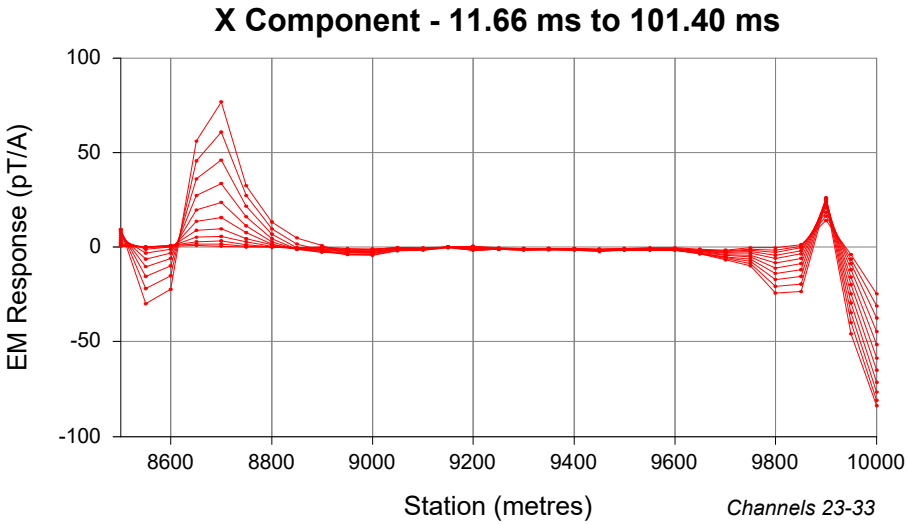
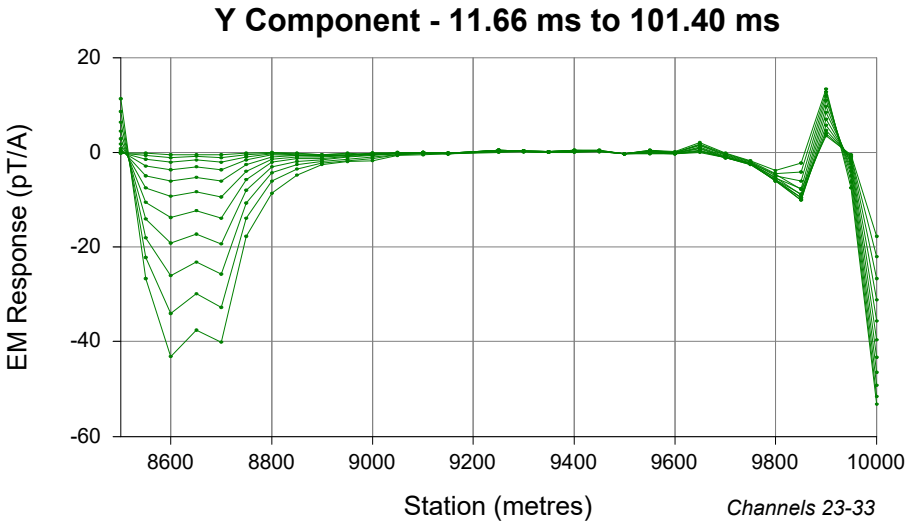
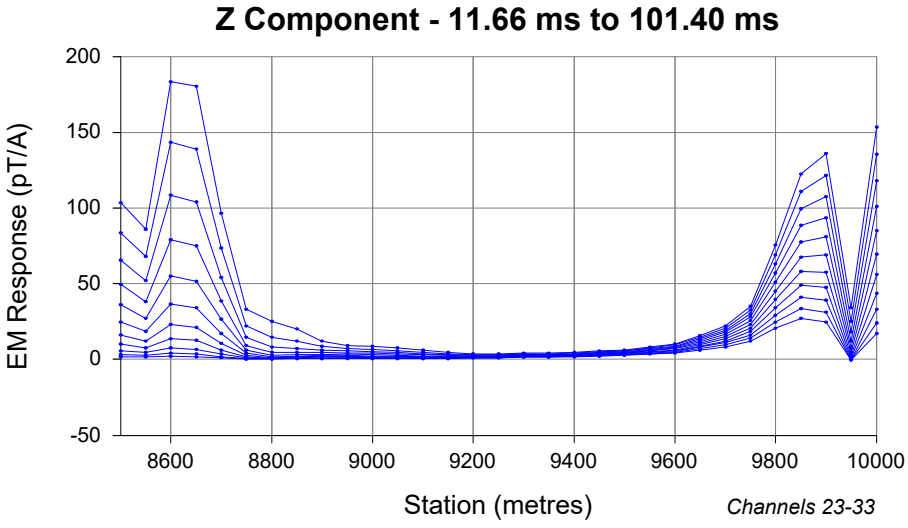








SURVEY PARAMETERS

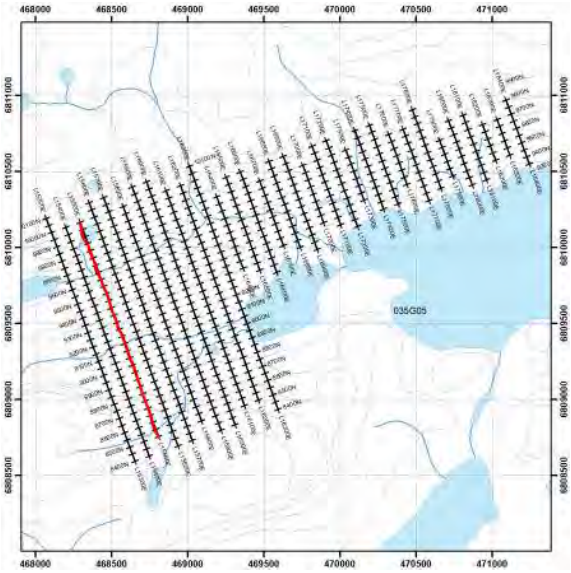
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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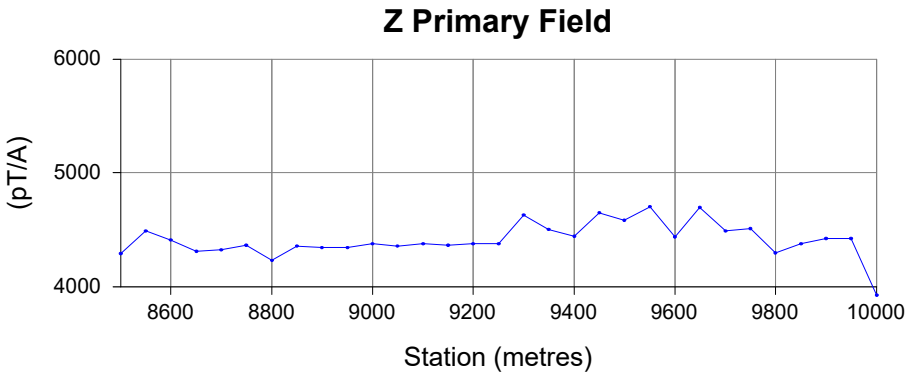
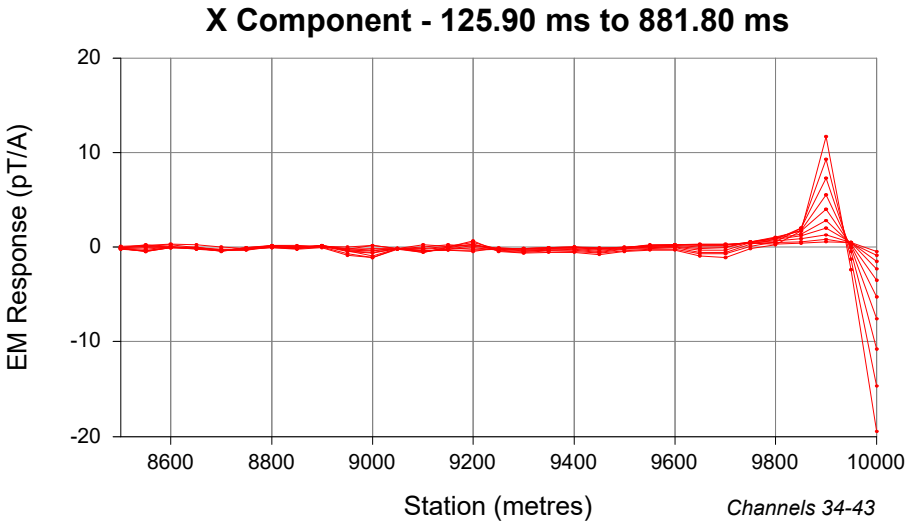
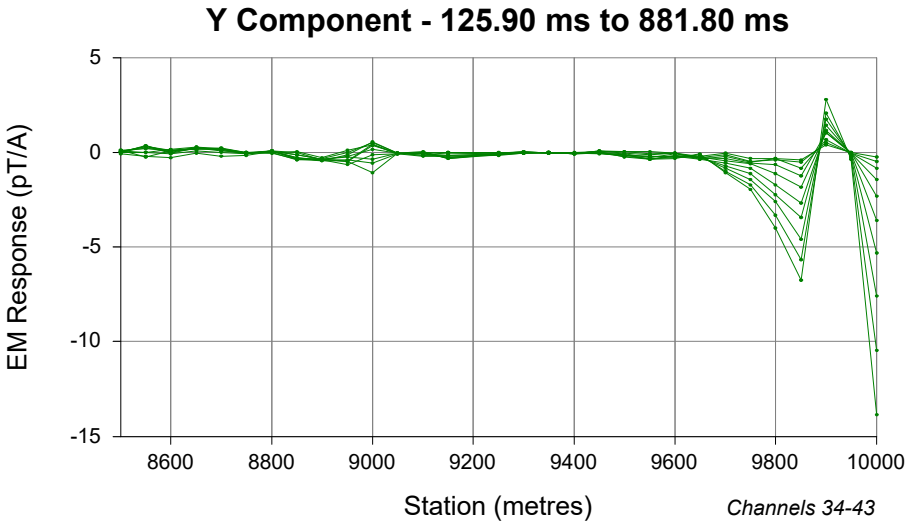
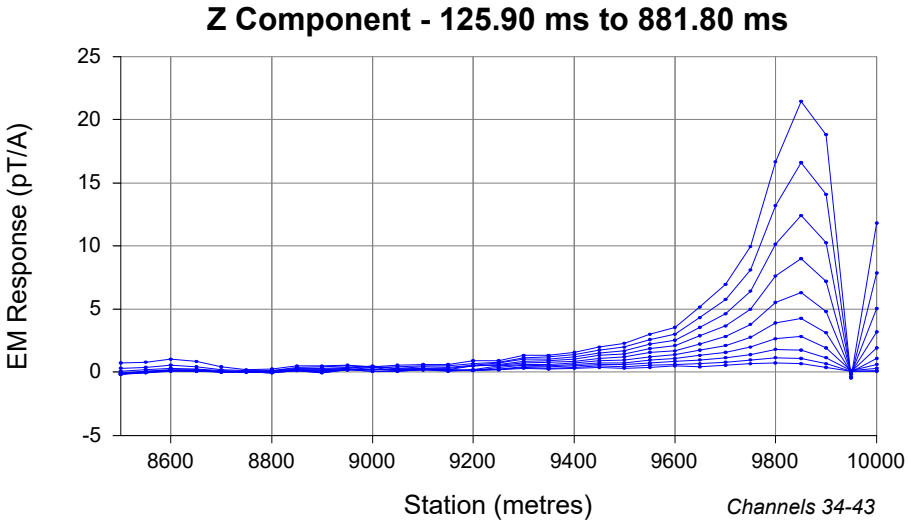








SURVEY PARAMETERS

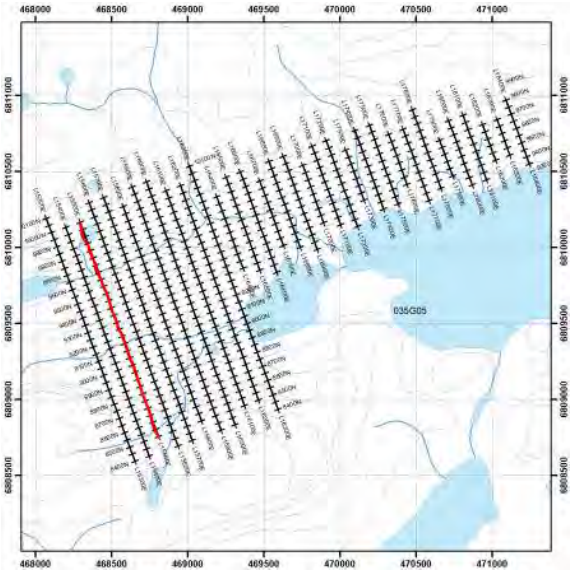
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

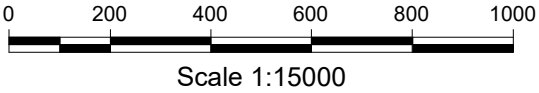
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15500E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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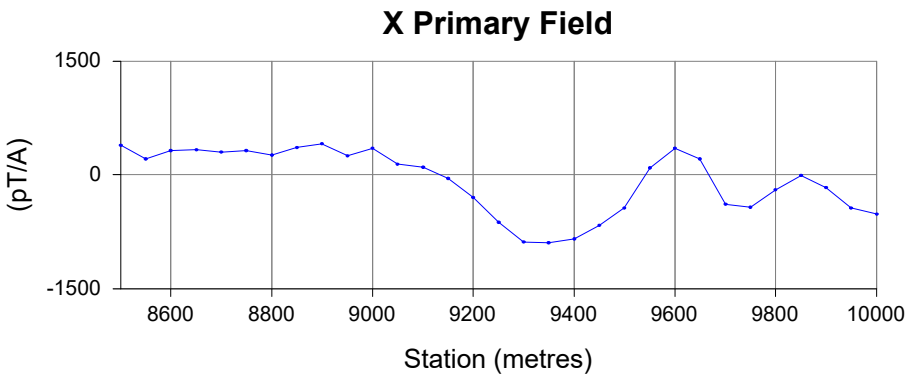
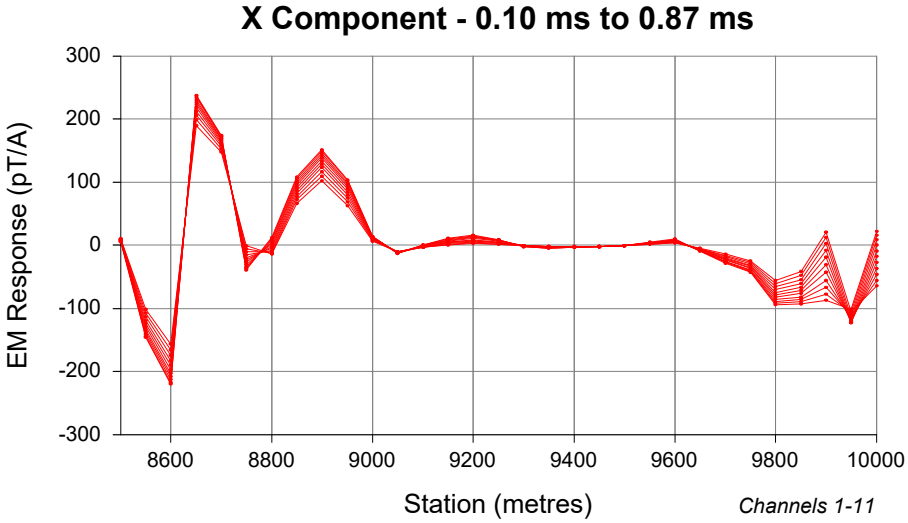
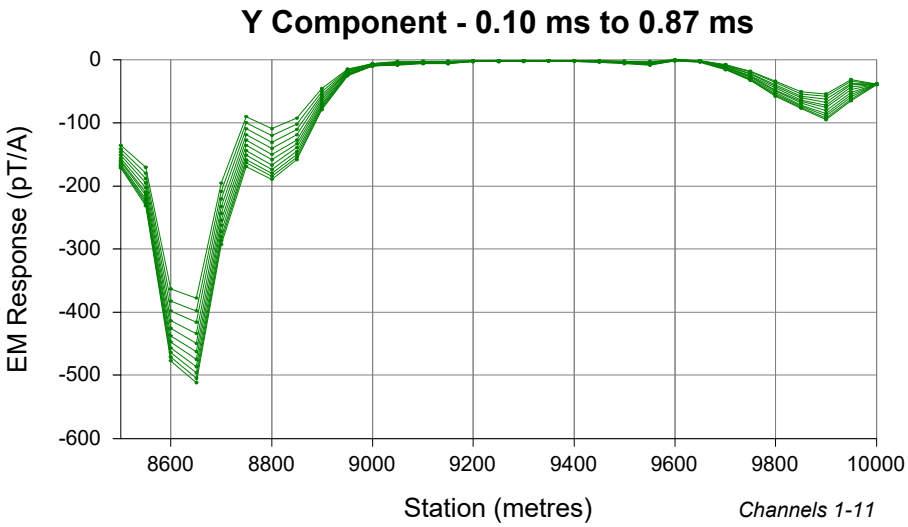
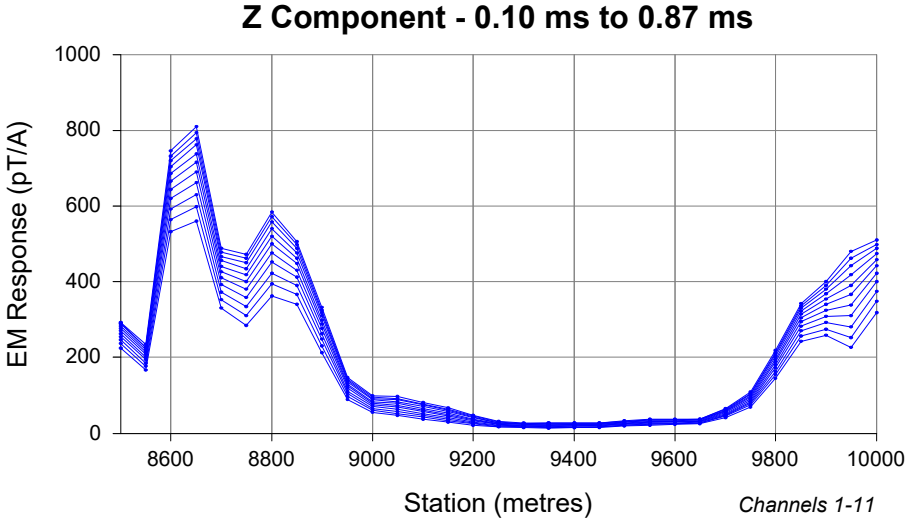








SURVEY PARAMETERS

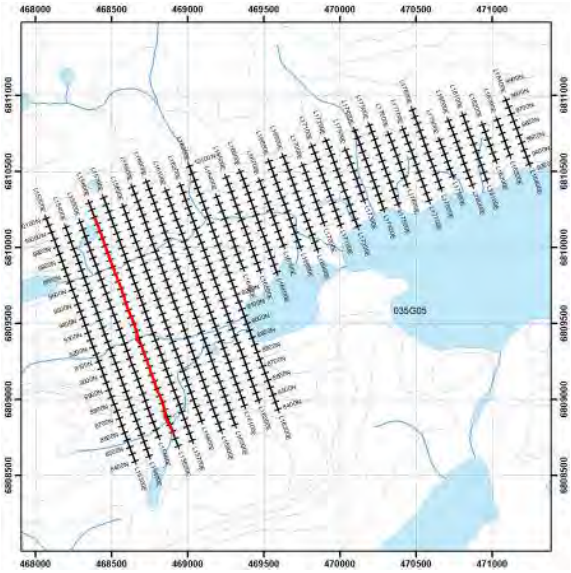
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15600E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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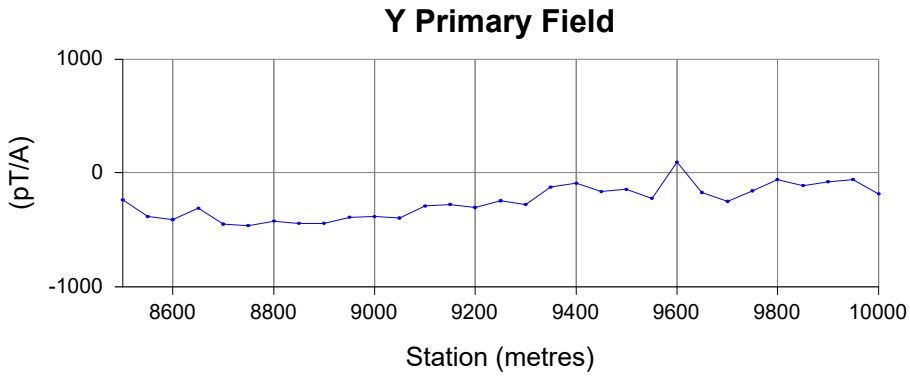
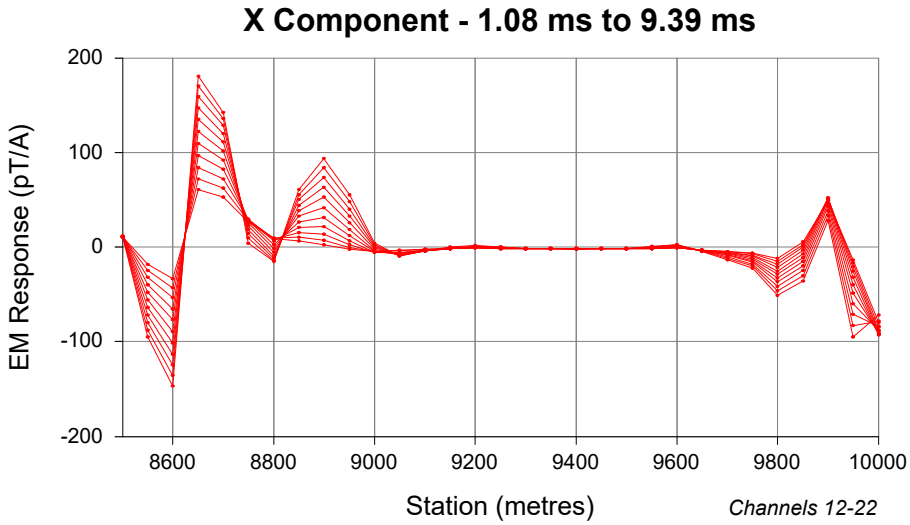
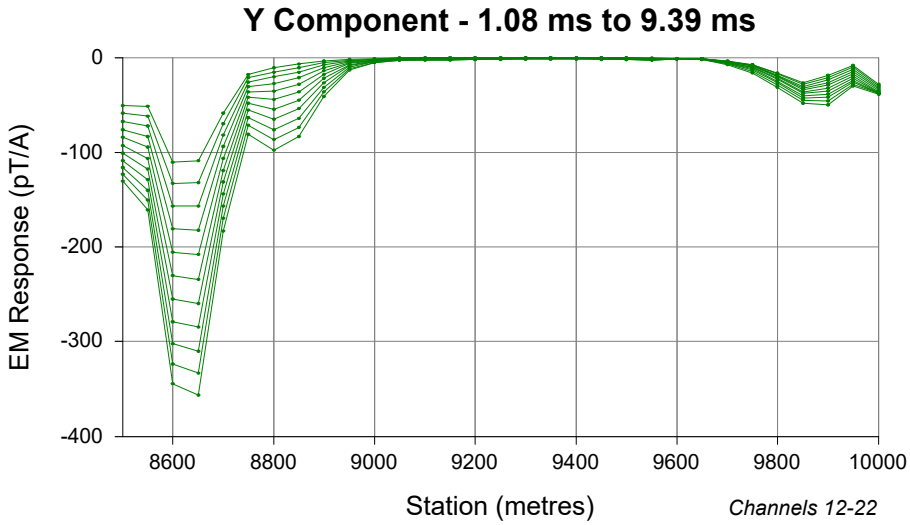
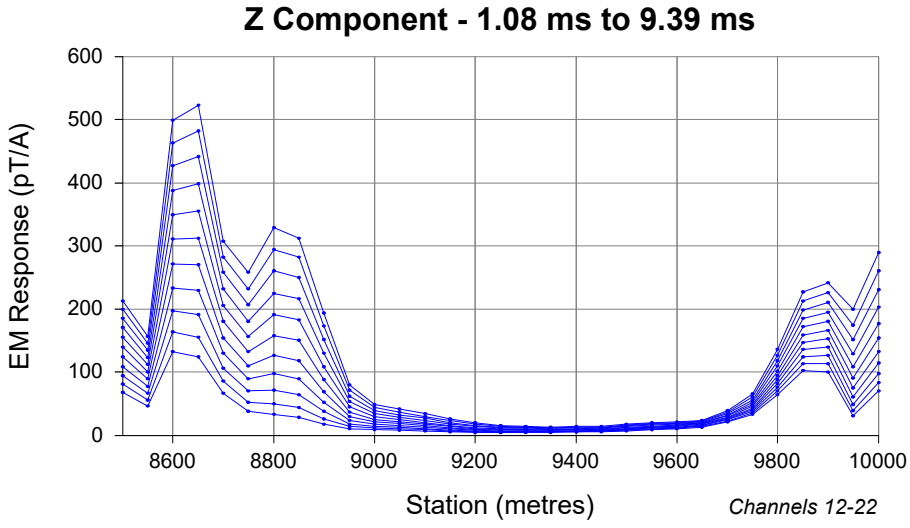








SURVEY PARAMETERS

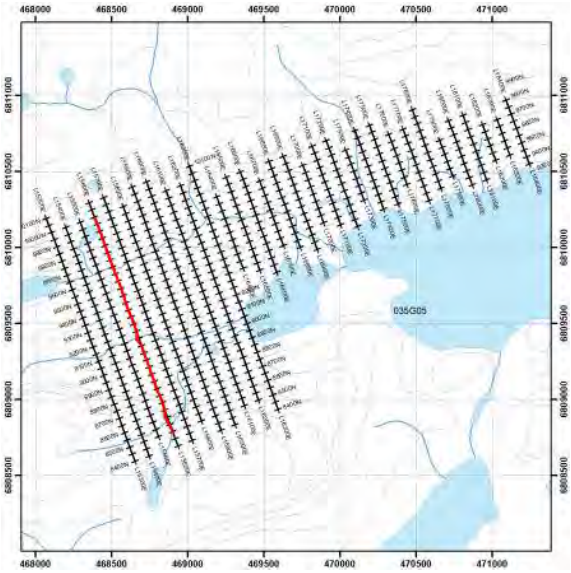
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

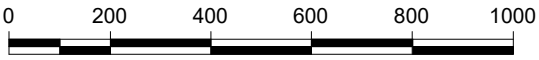
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15600E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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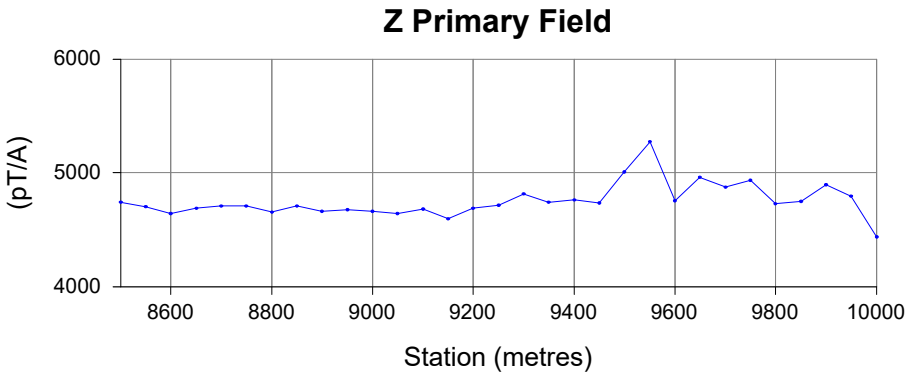
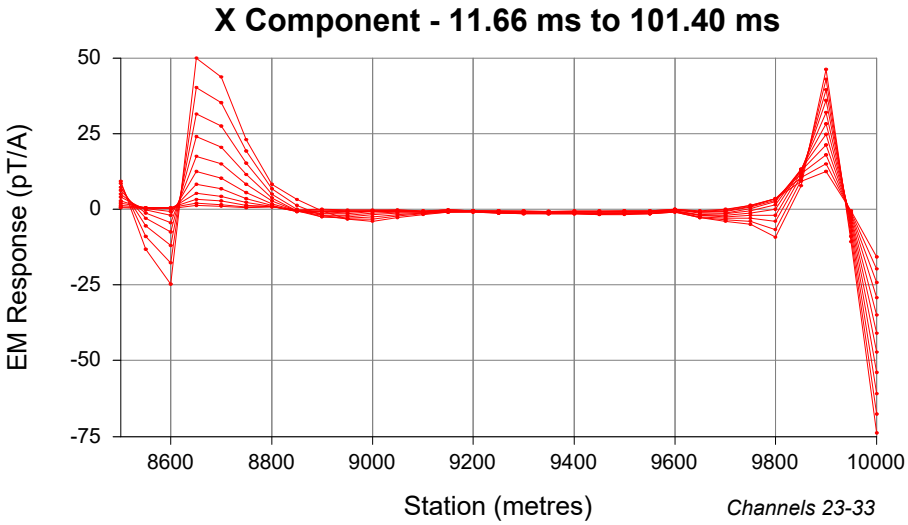
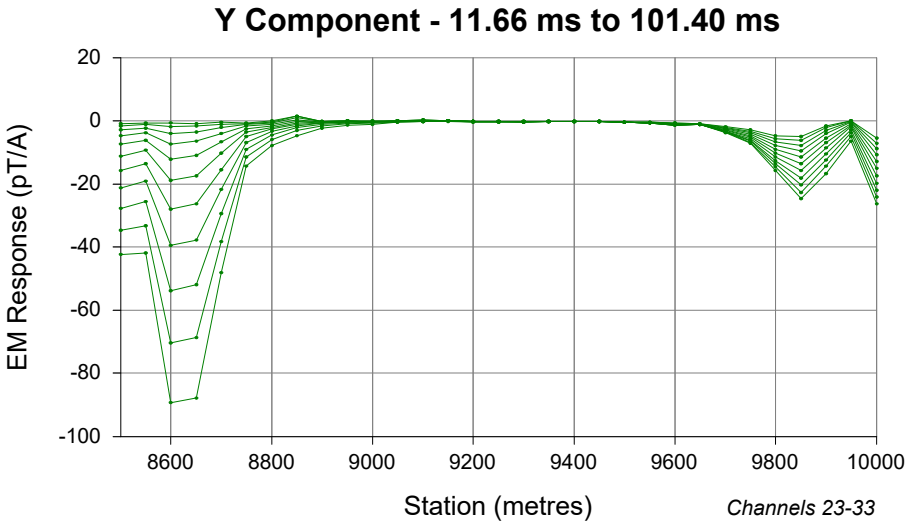
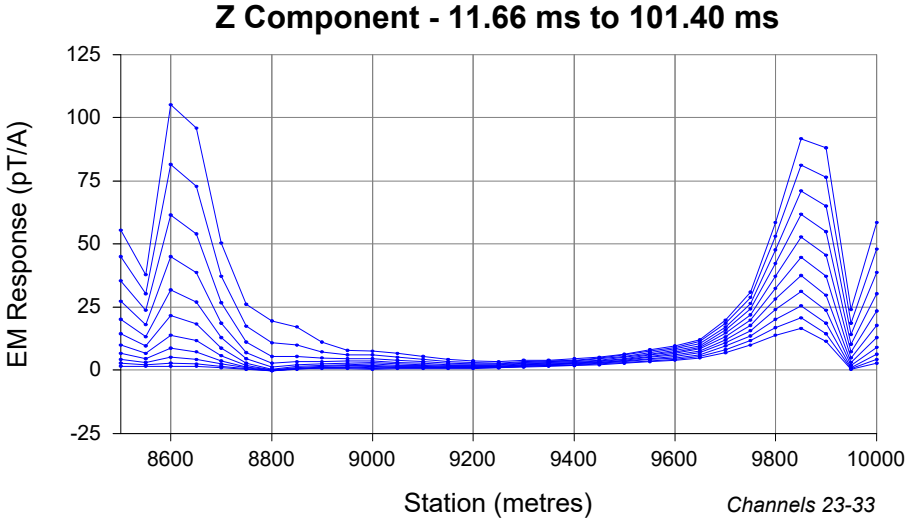








SURVEY PARAMETERS

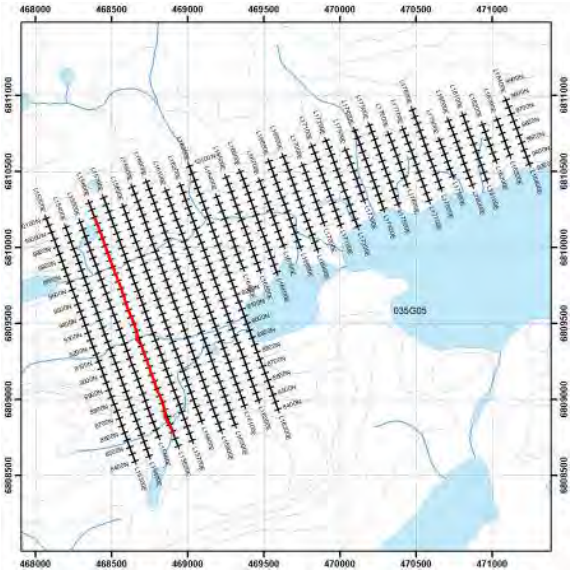
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15600E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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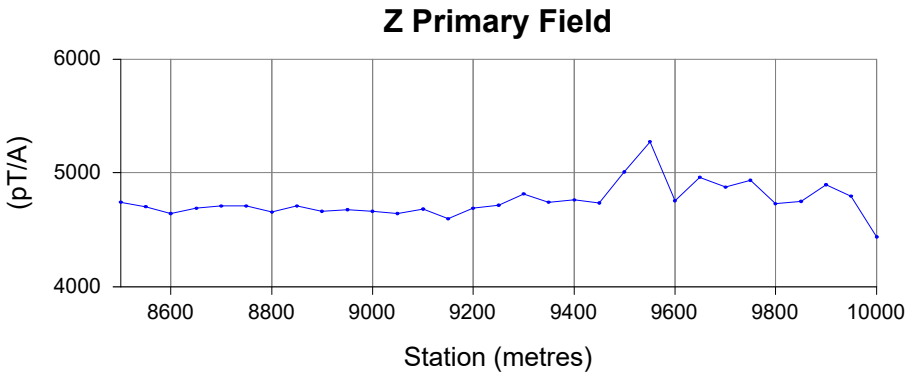
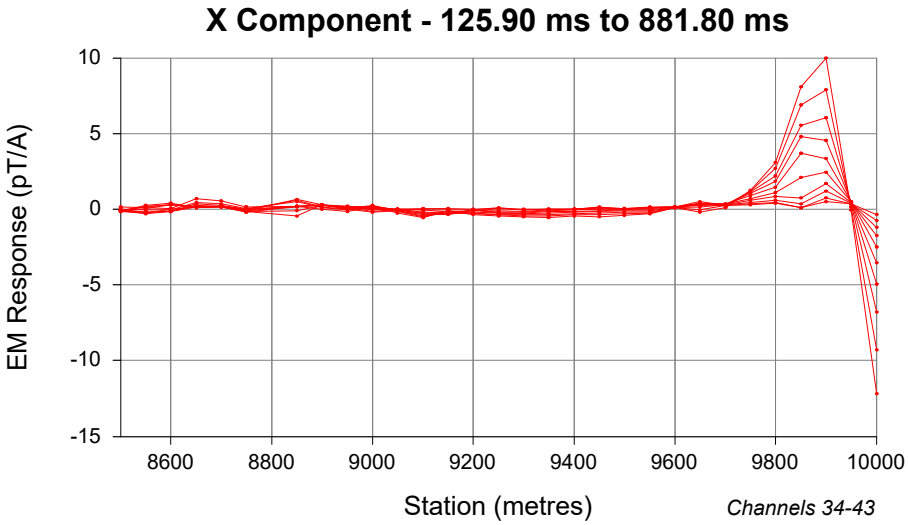
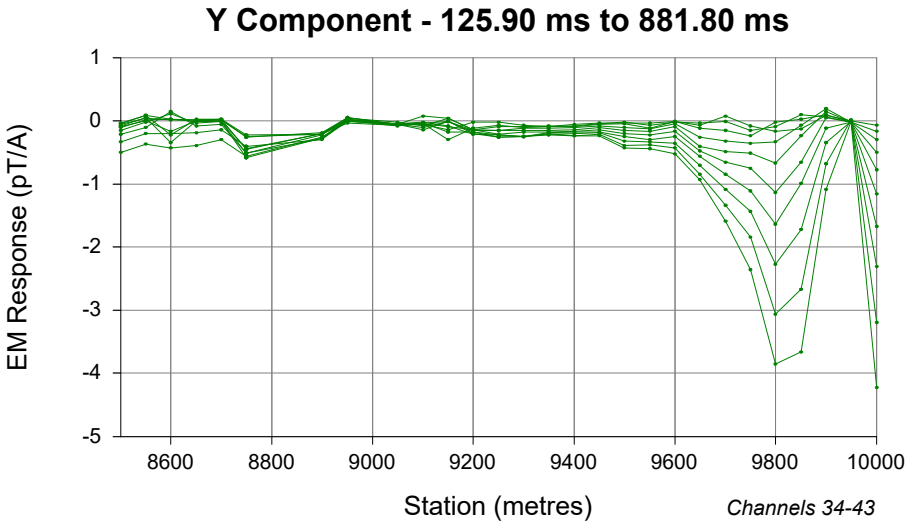
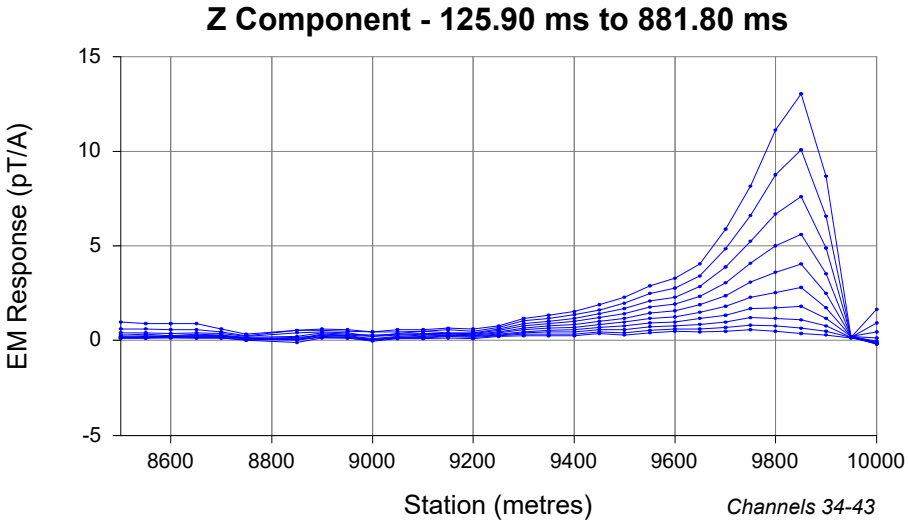








SURVEY PARAMETERS

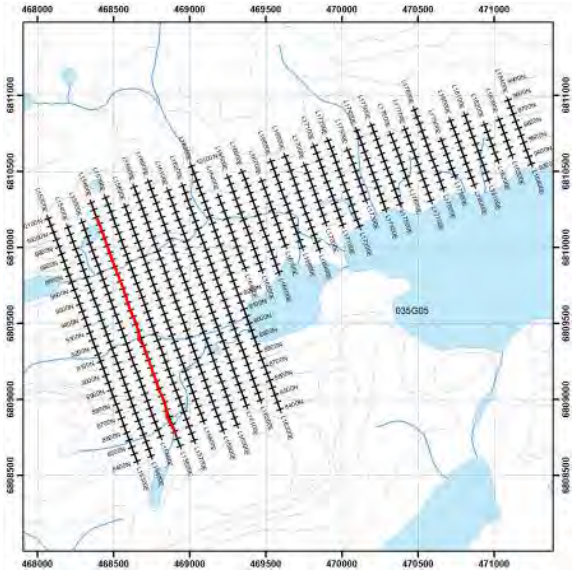
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15600E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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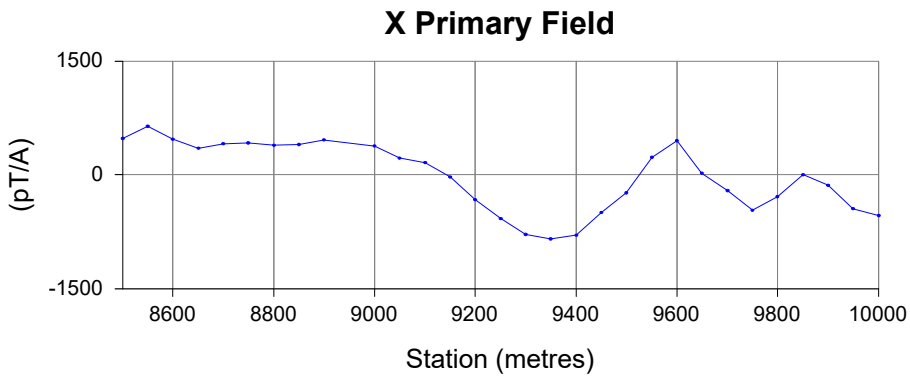
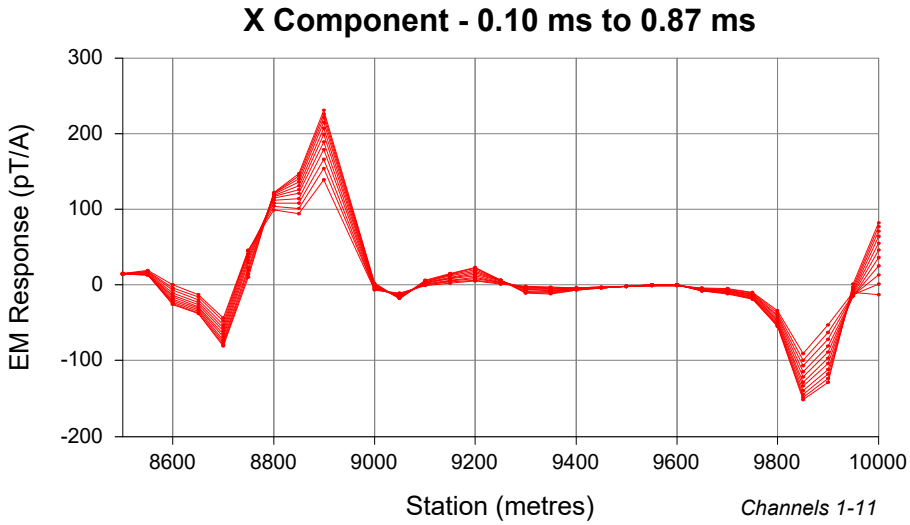
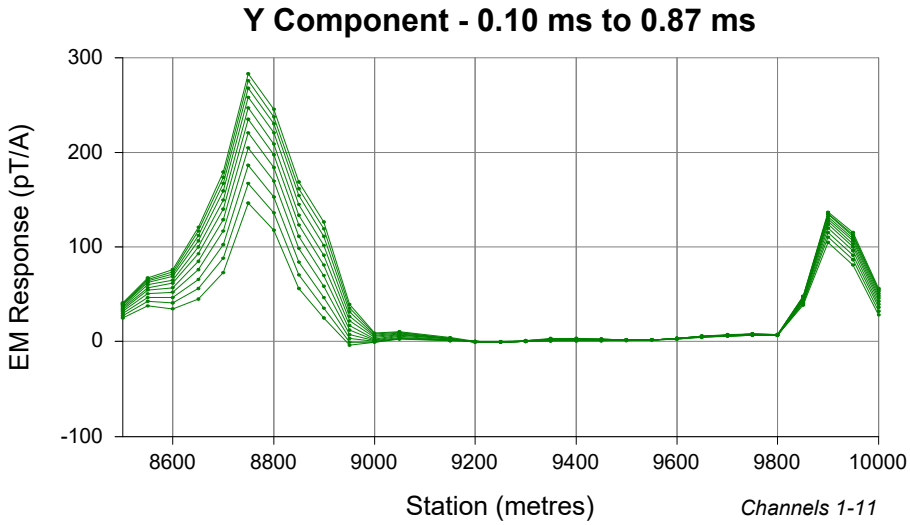
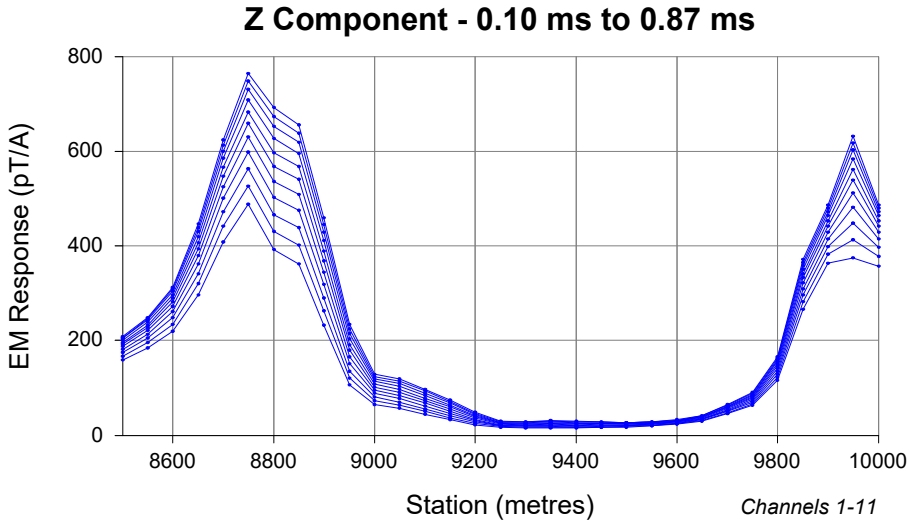








SURVEY PARAMETERS

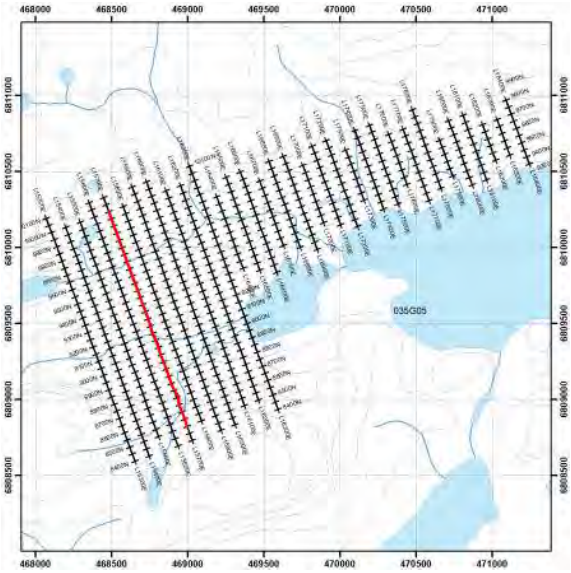
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15700E

Surveyed By: Joseph Cook
Survey Date: July 2021

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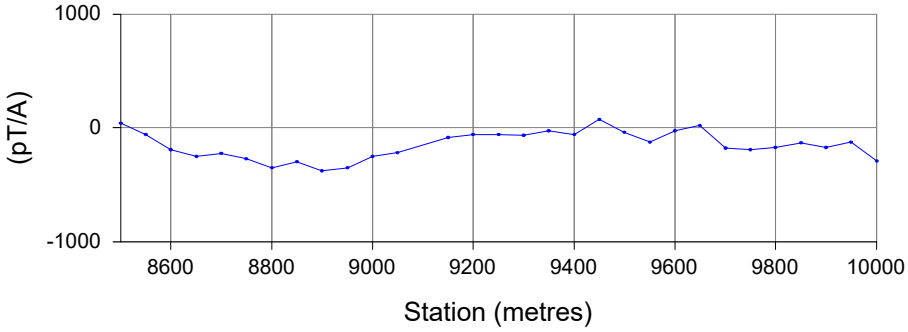
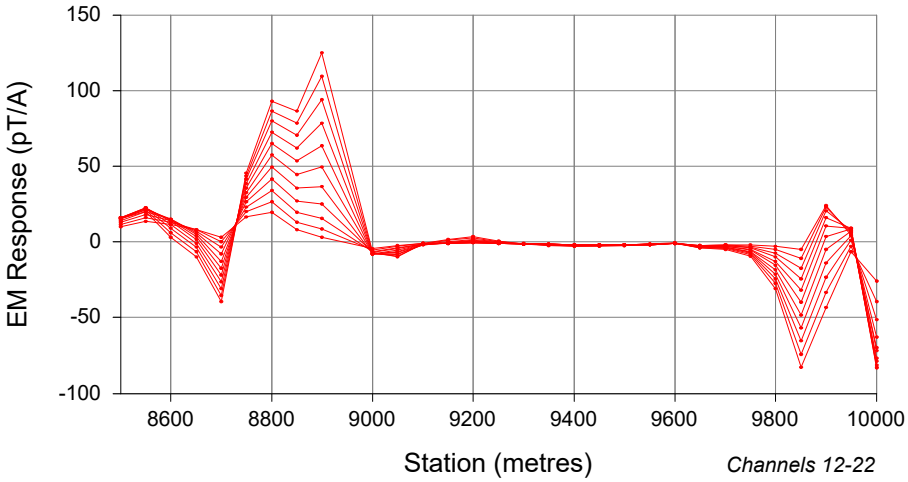
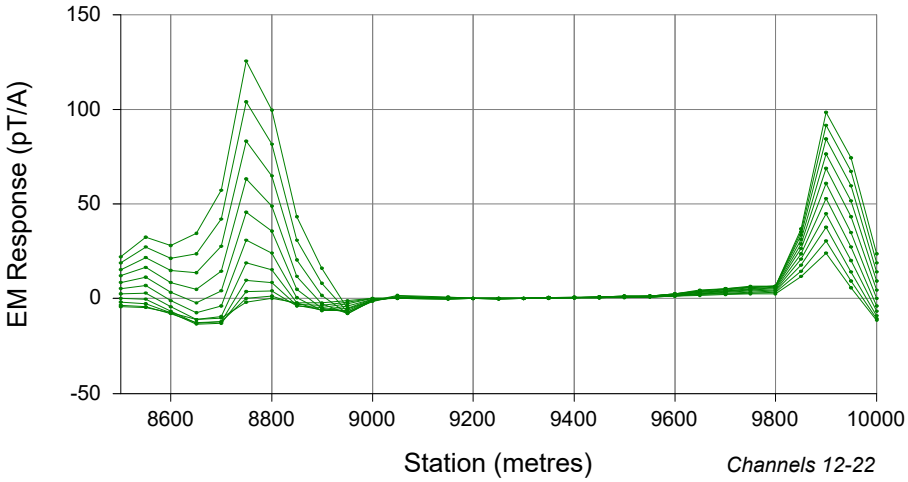
Y Primary Field



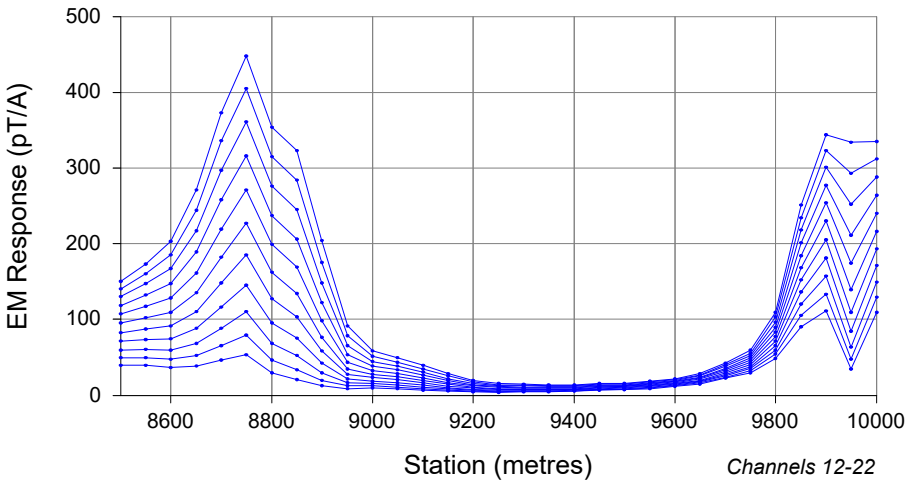
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

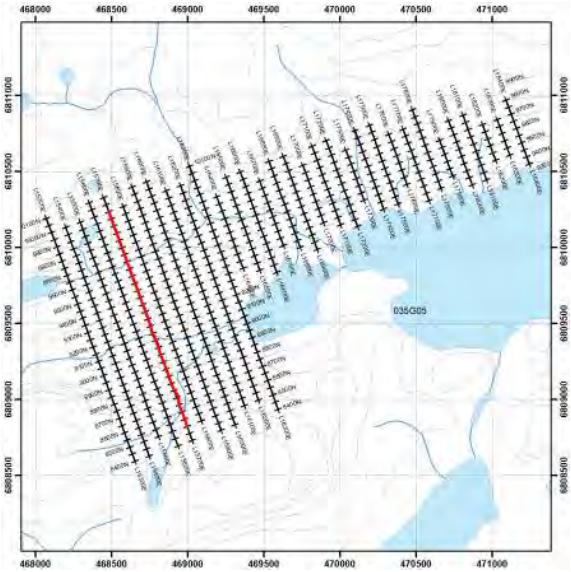
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15700E

Surveyed By: Joseph Cook
Survey Date: July 2021

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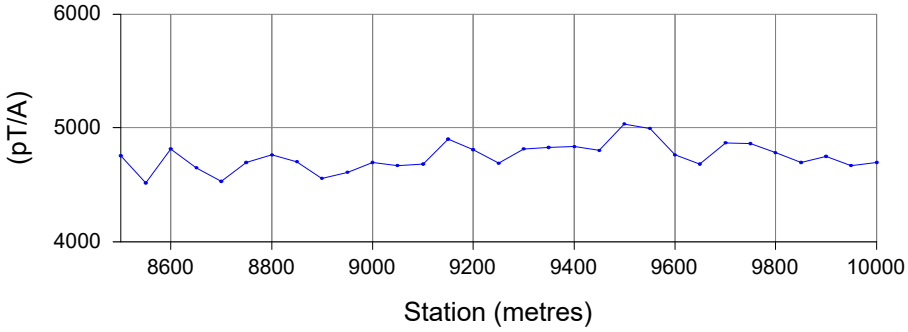
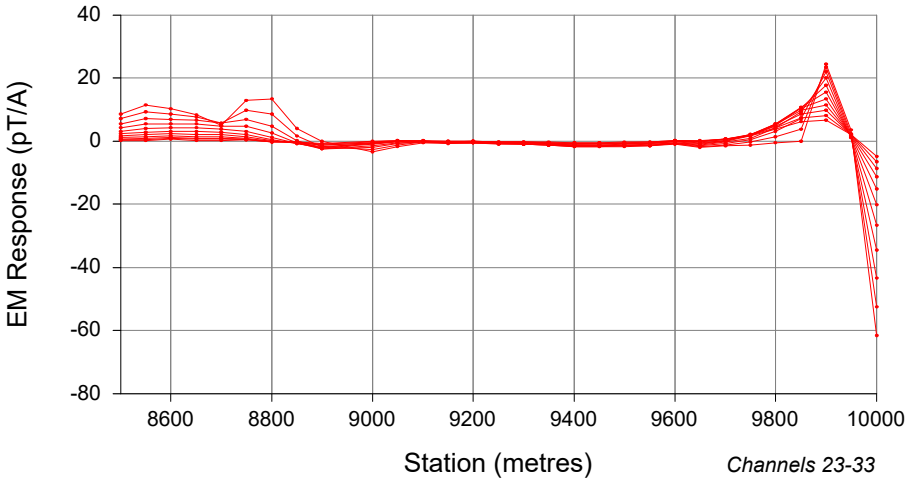
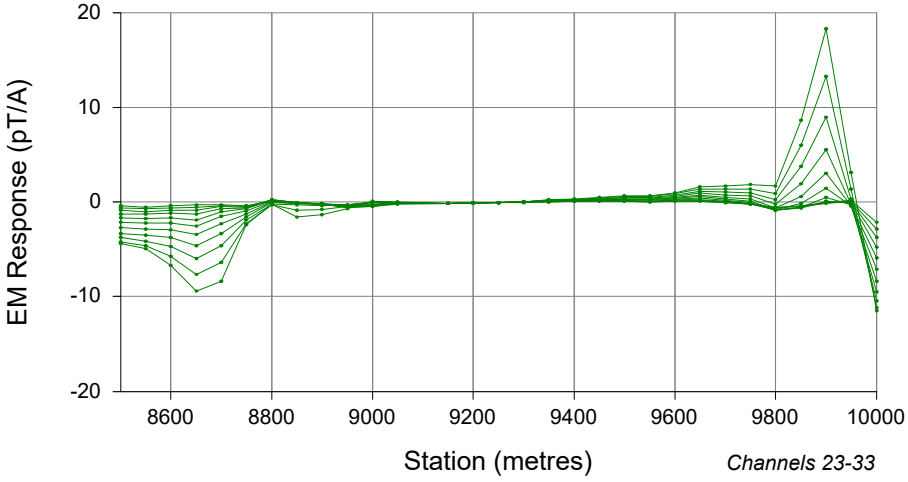
Z Primary Field



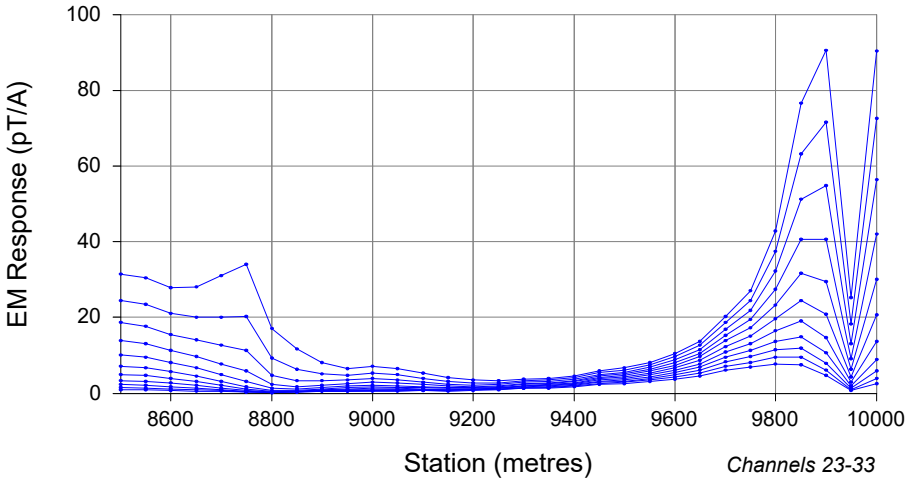
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

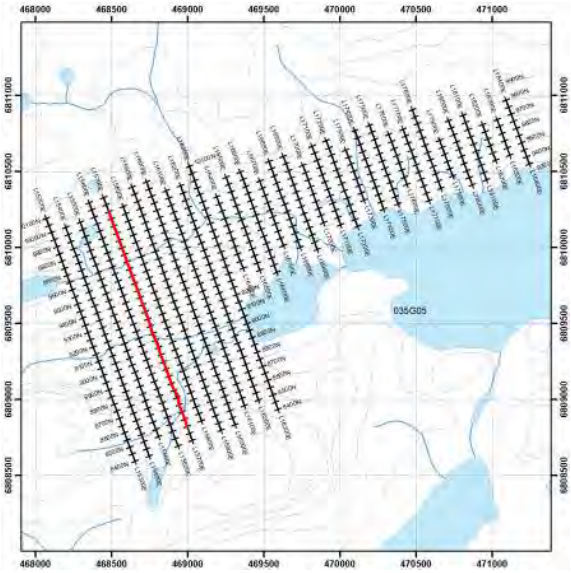
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15700E

Surveyed By: Joseph Cook
Survey Date: July 2021

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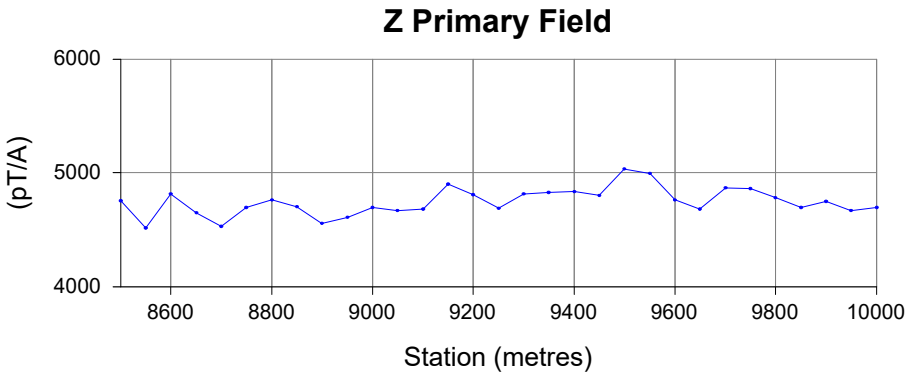
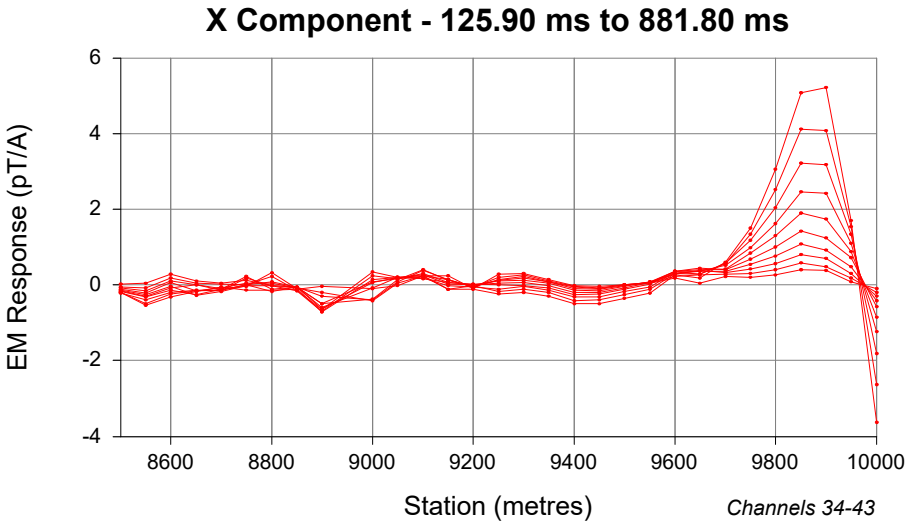
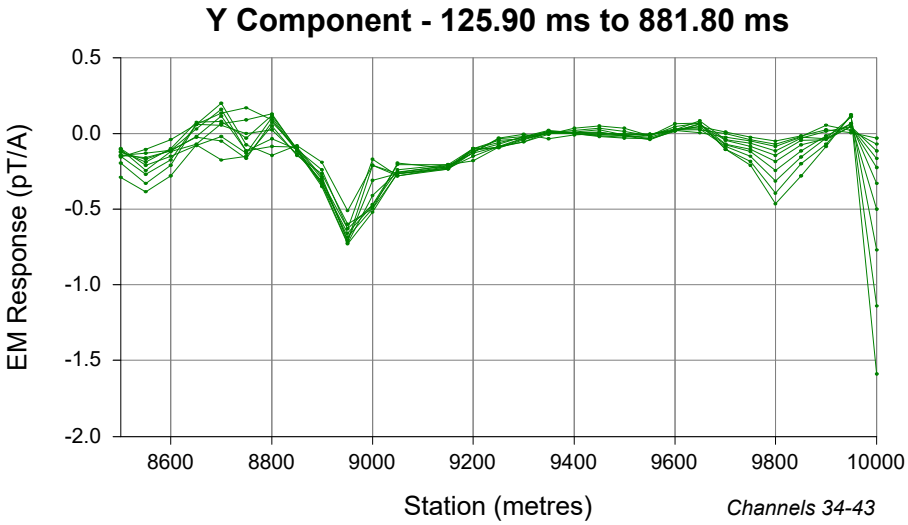
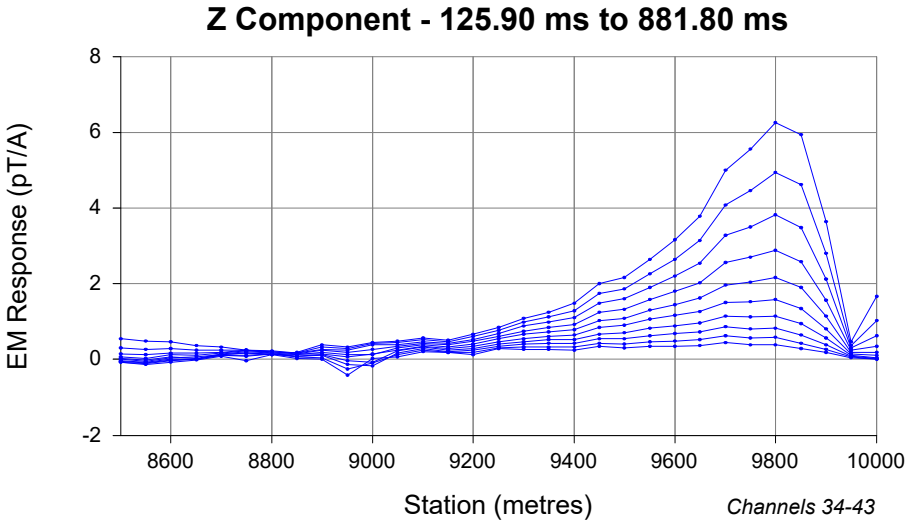








SURVEY PARAMETERS

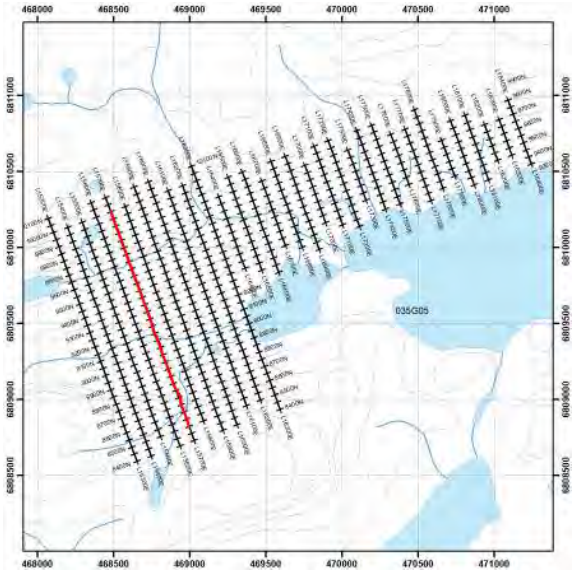
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15700E

Surveyed By: Joseph Cook
Survey Date: July 2021

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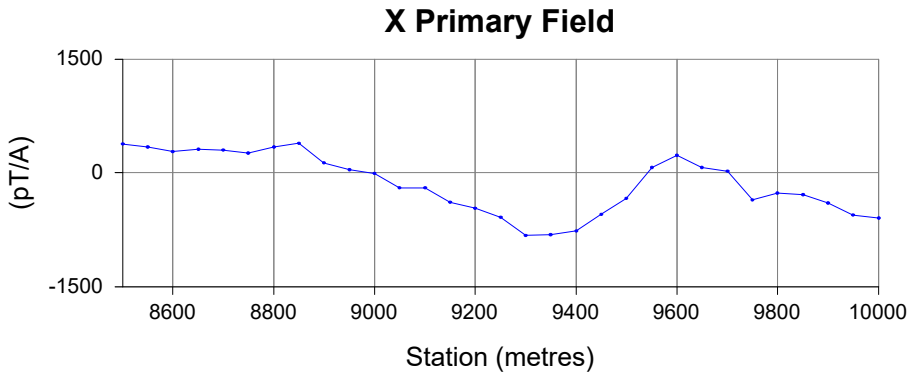
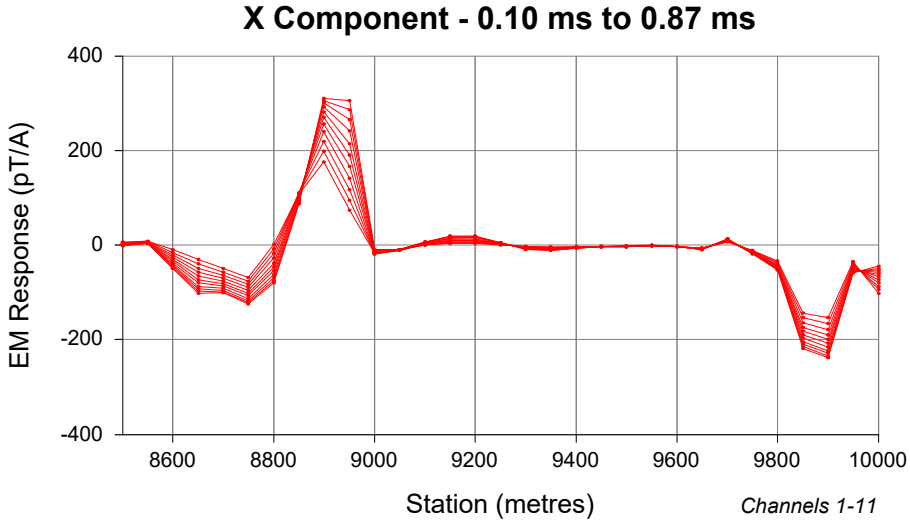
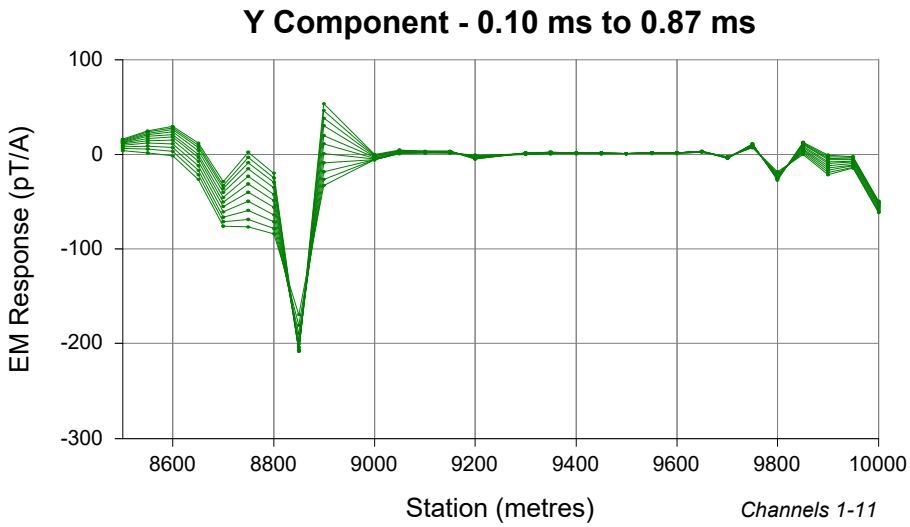
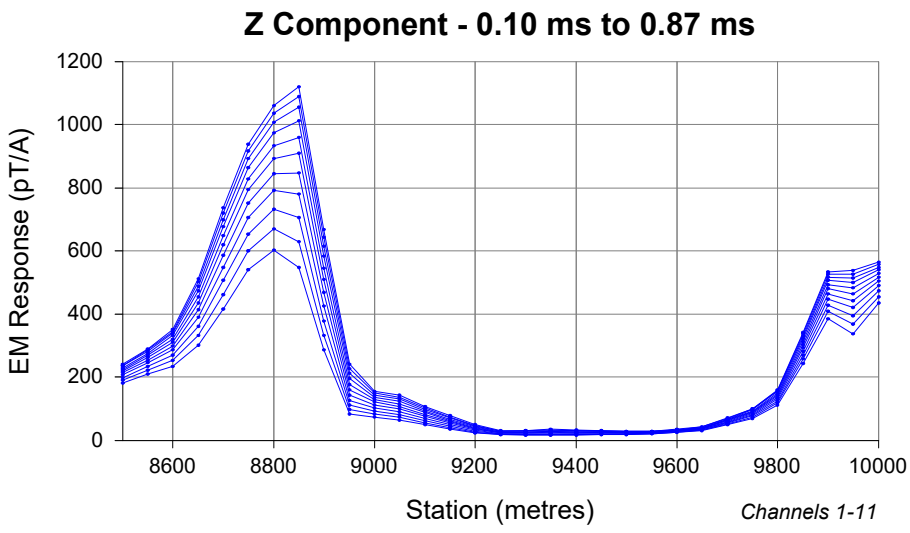








SURVEY PARAMETERS

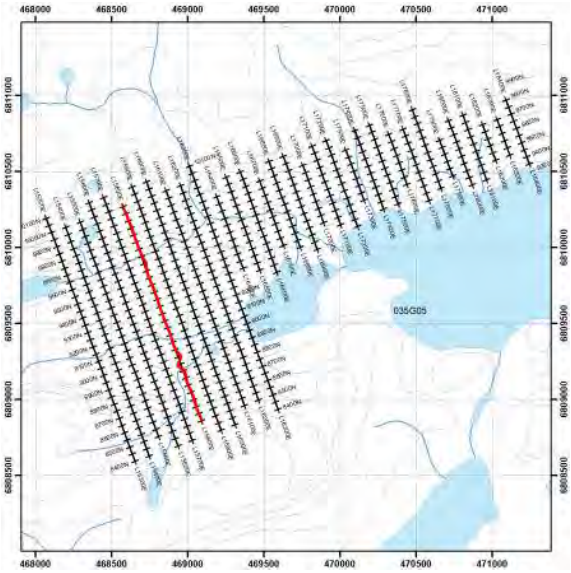
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

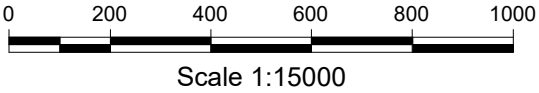
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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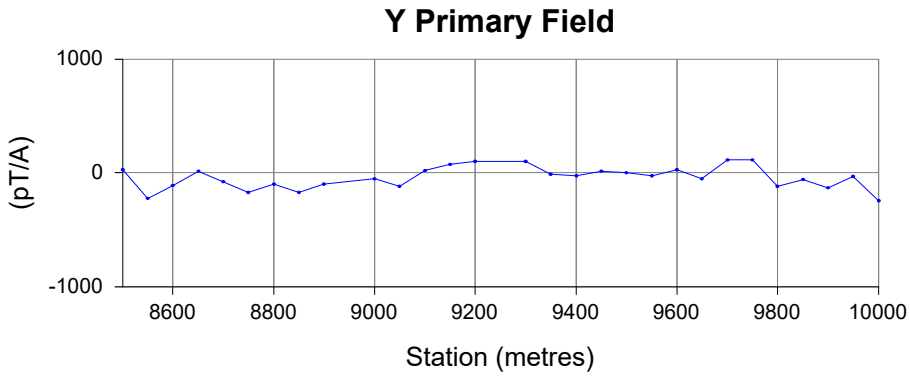
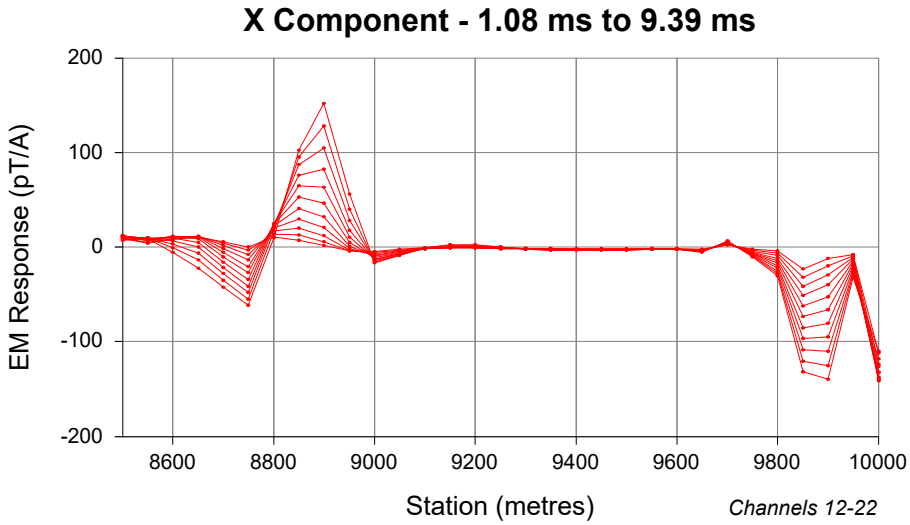
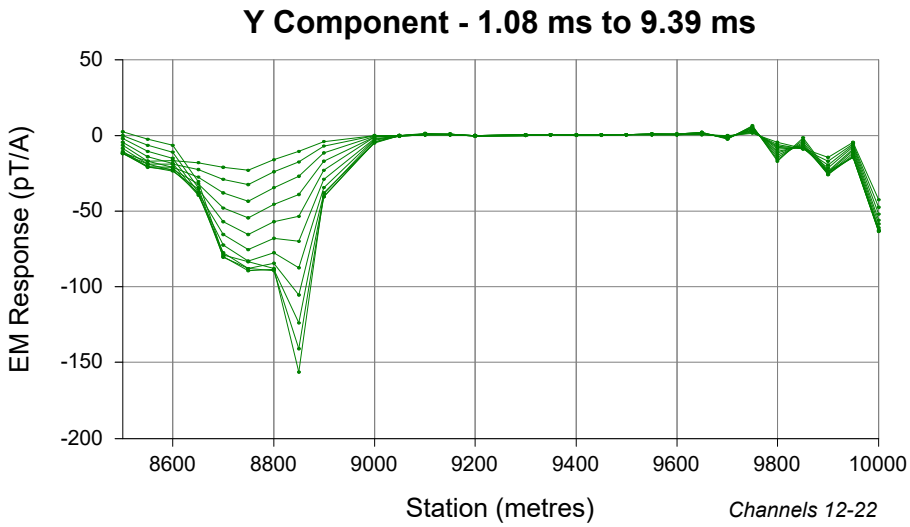
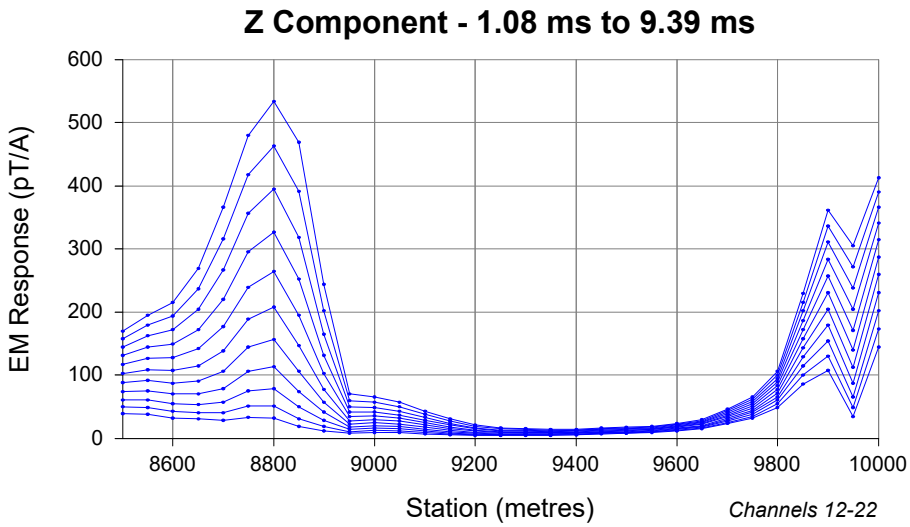








SURVEY PARAMETERS

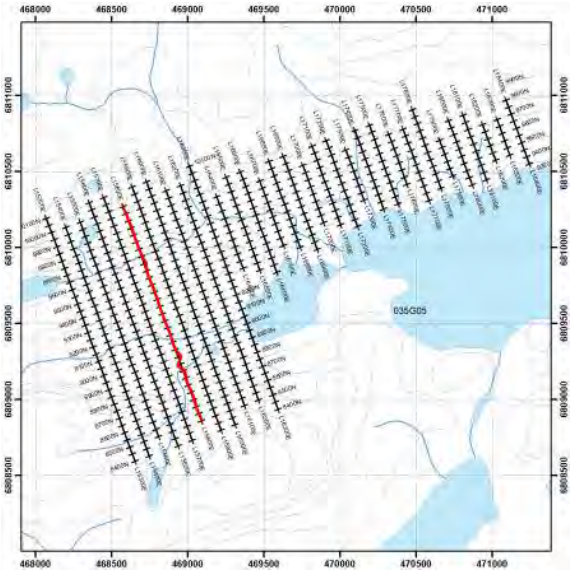
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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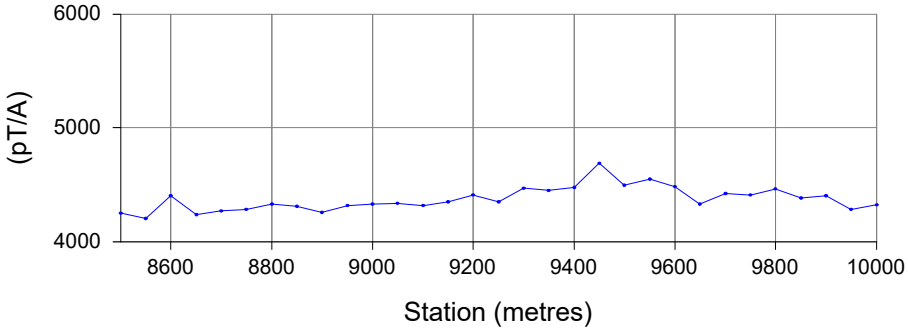
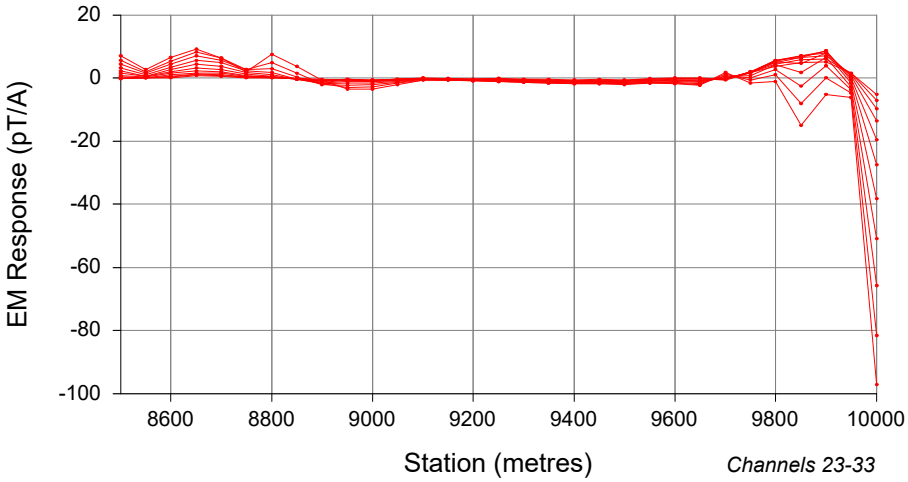
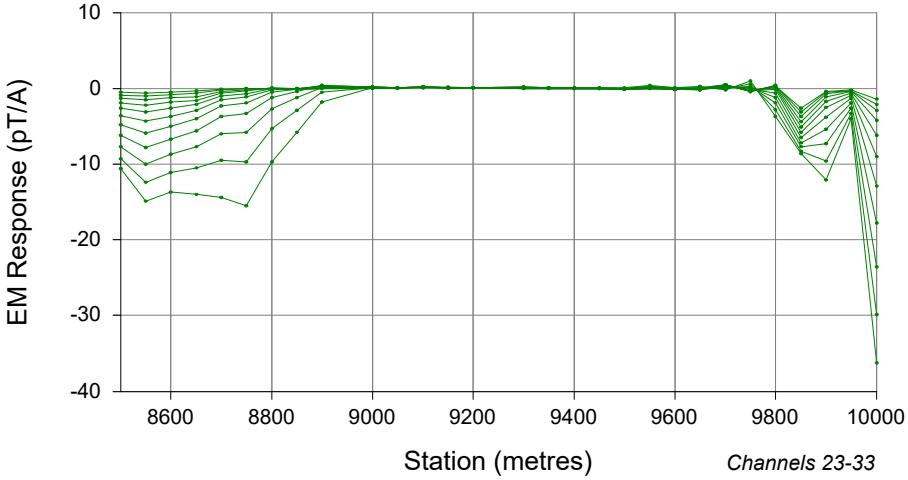
Z Primary Field



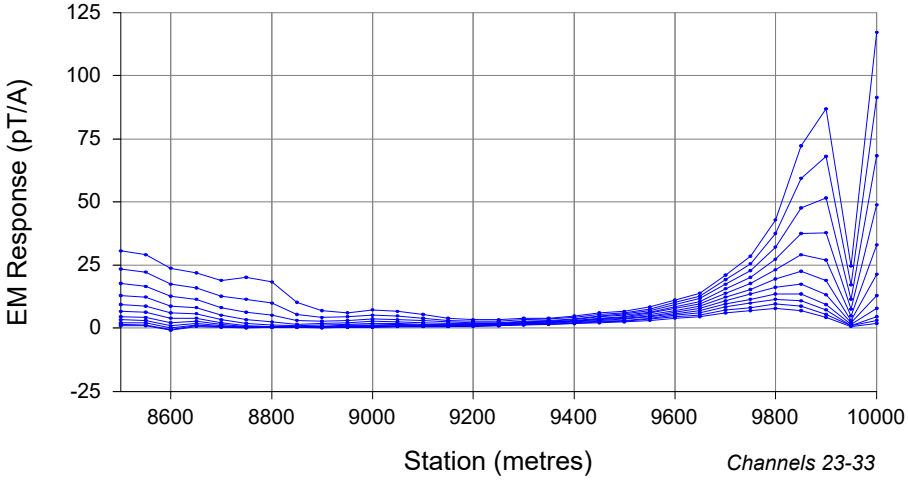
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

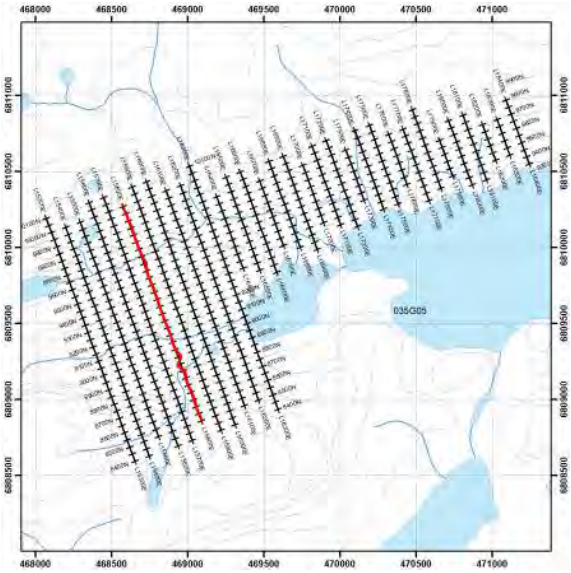
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

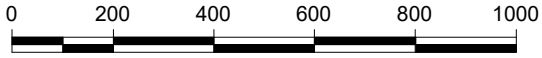
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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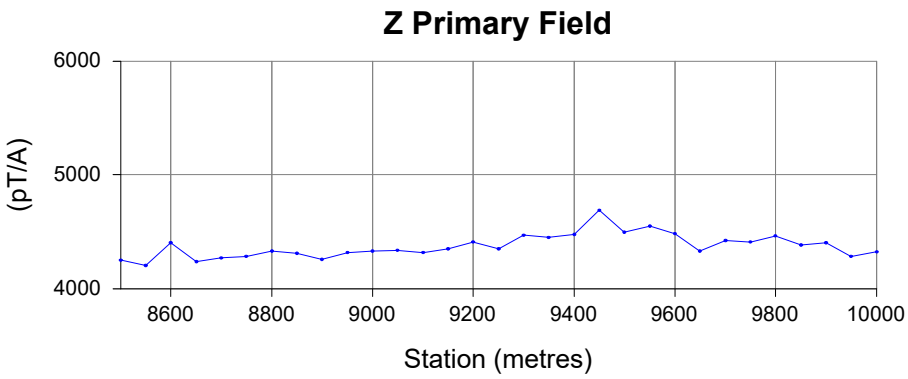
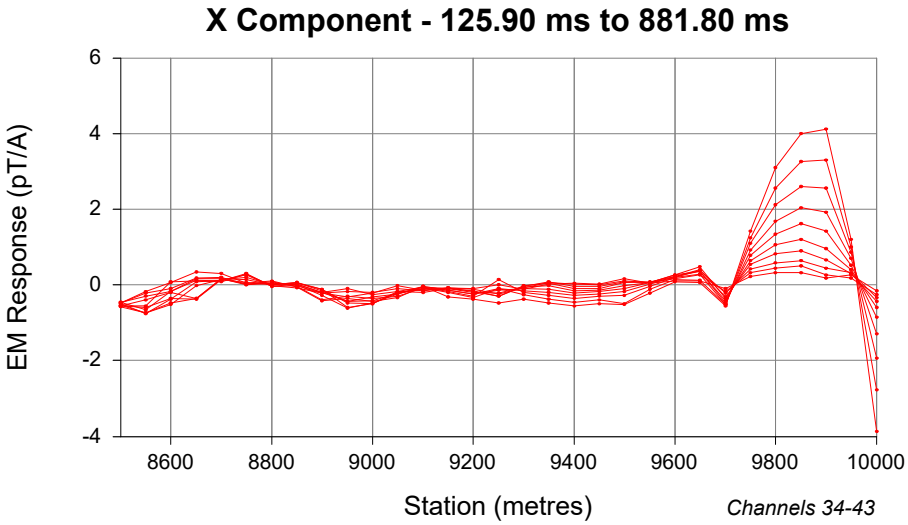
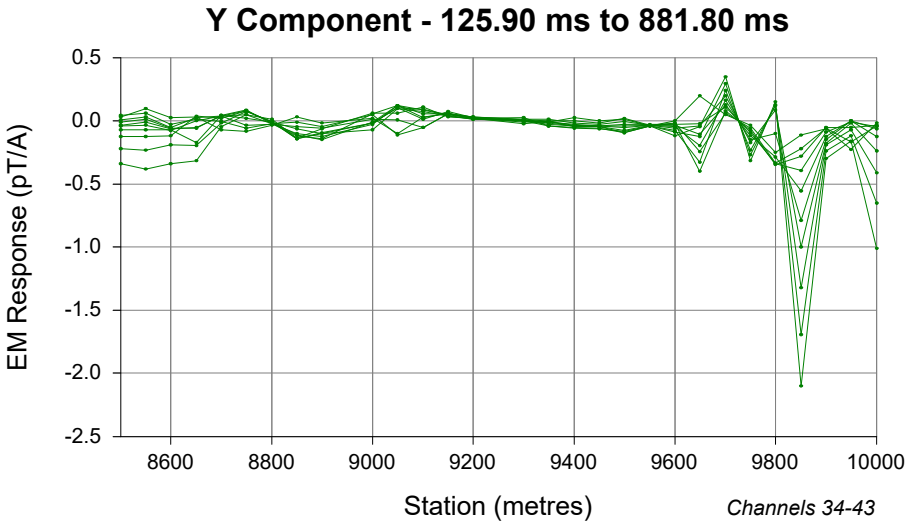
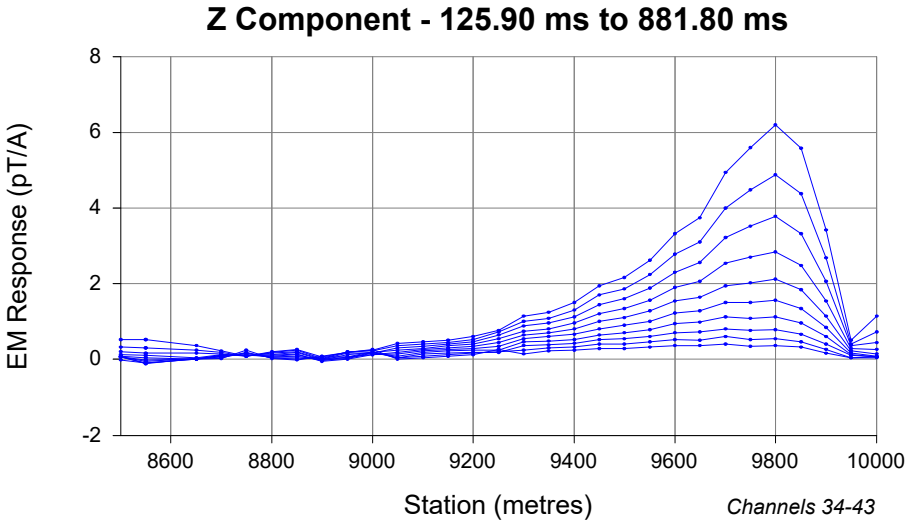








SURVEY PARAMETERS

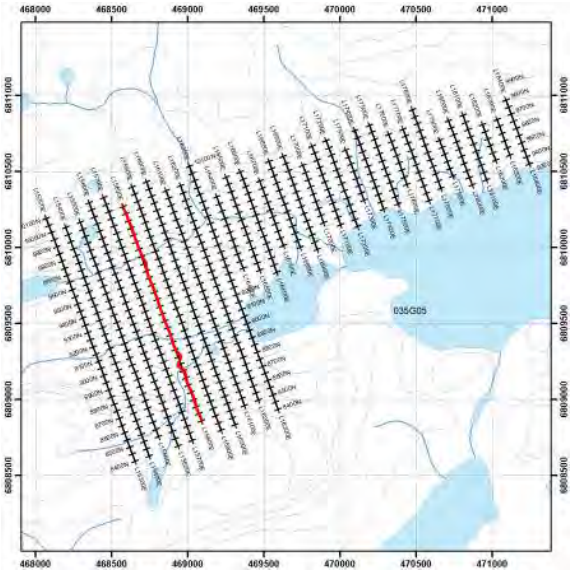
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15800E

Surveyed By: Mohamed Haiba
Survey Date: July 2021

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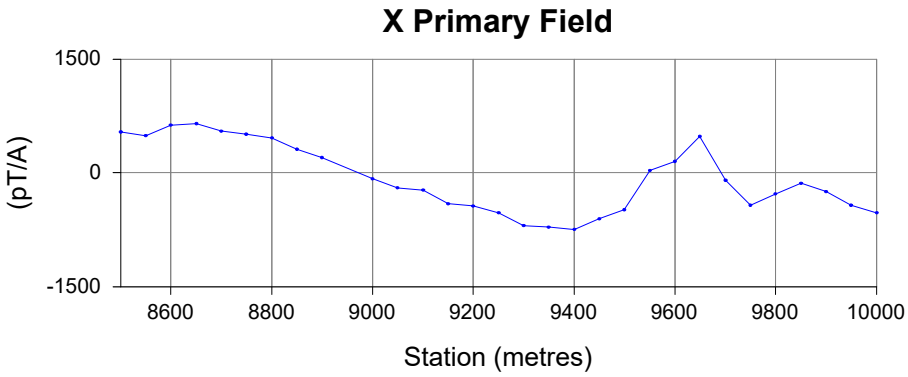
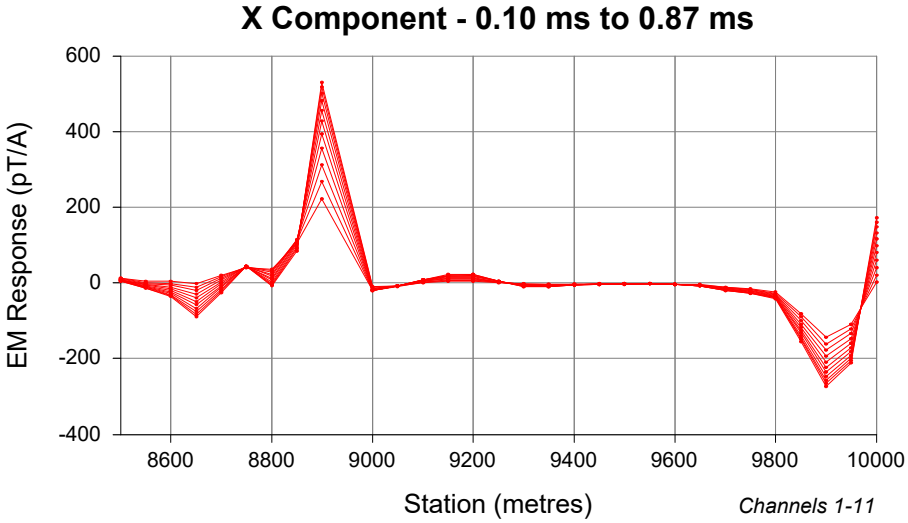
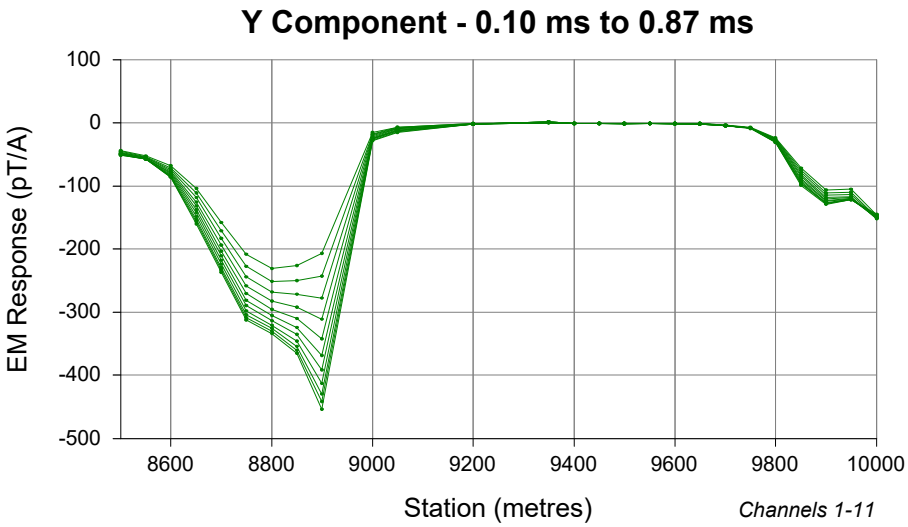
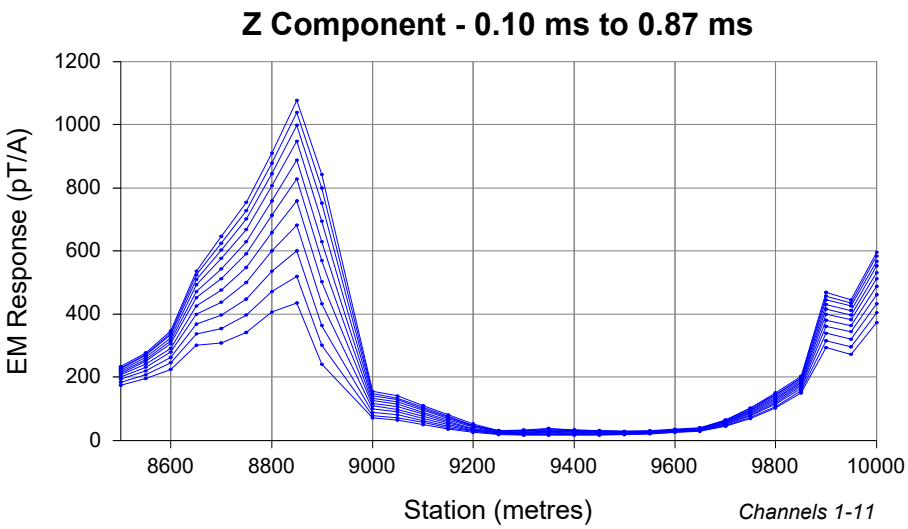








SURVEY PARAMETERS

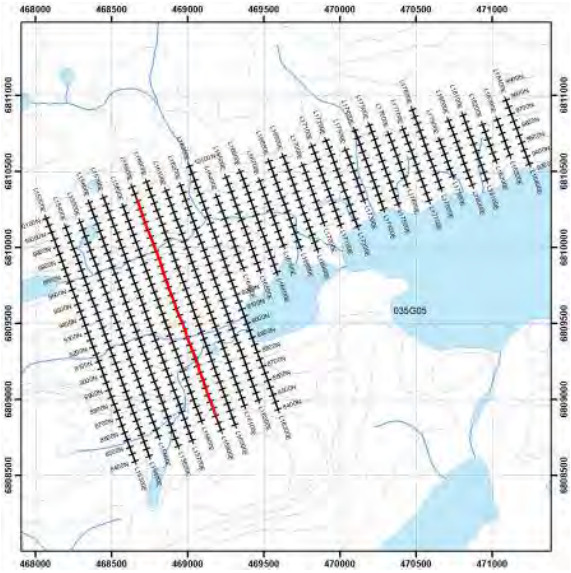
Configuration	: Moving-Loop TEM
Station Spacing	: 0-100 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
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Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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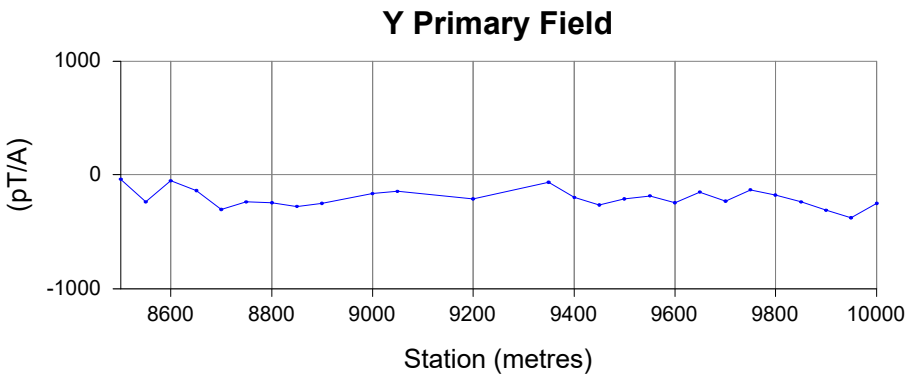
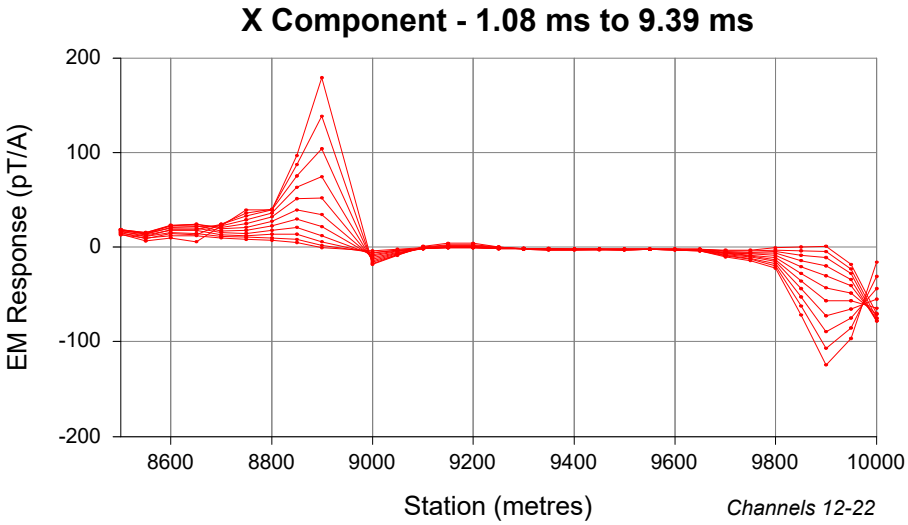
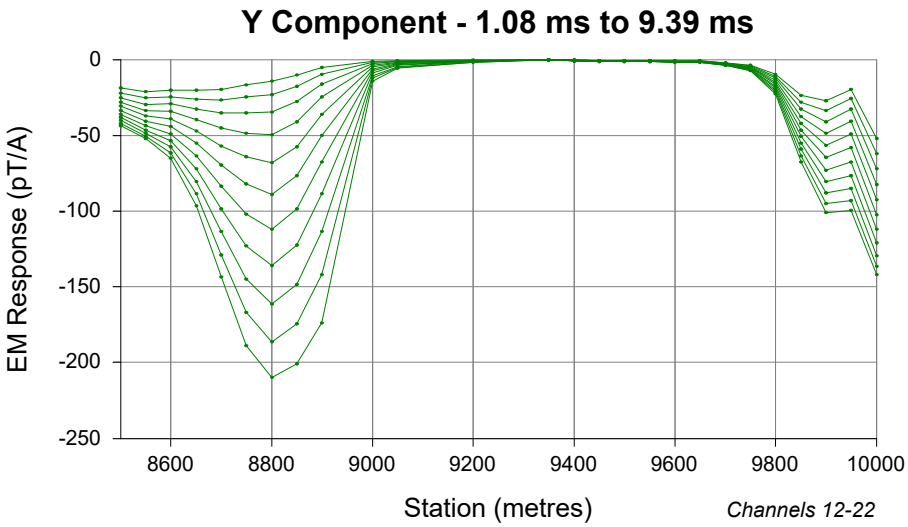
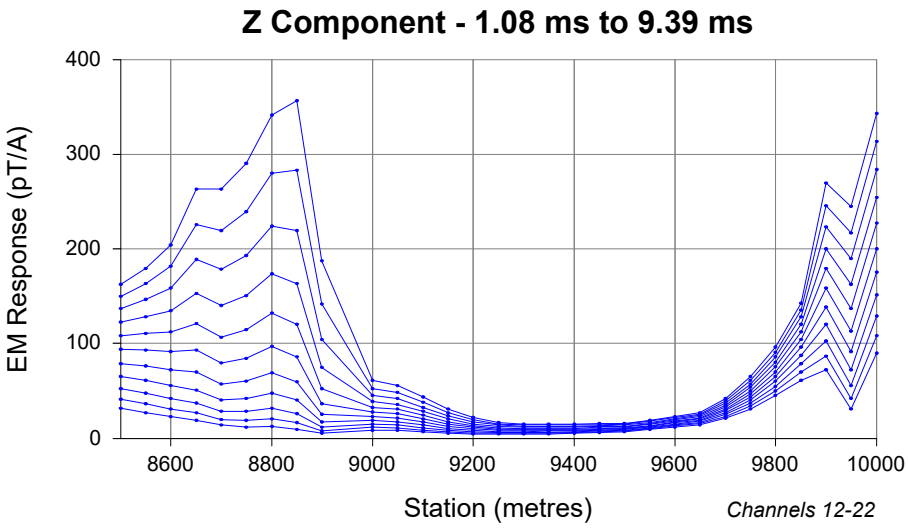








SURVEY PARAMETERS

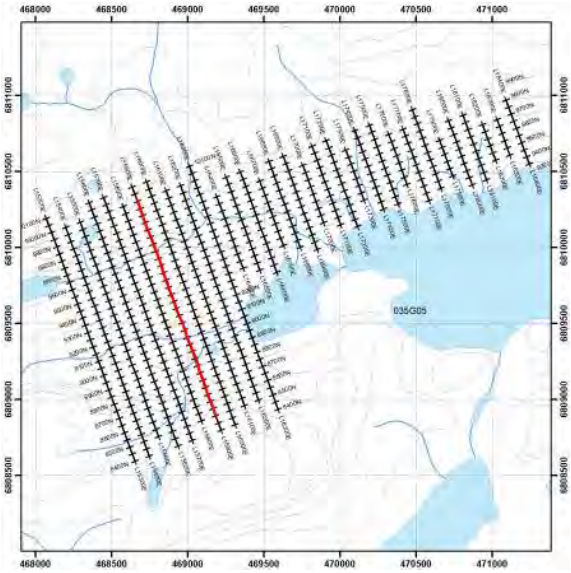
Configuration	: Moving-Loop TEM
Station Spacing	: 0-100 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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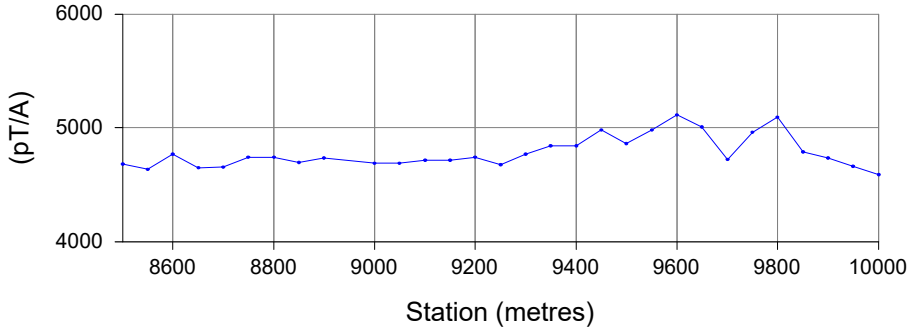
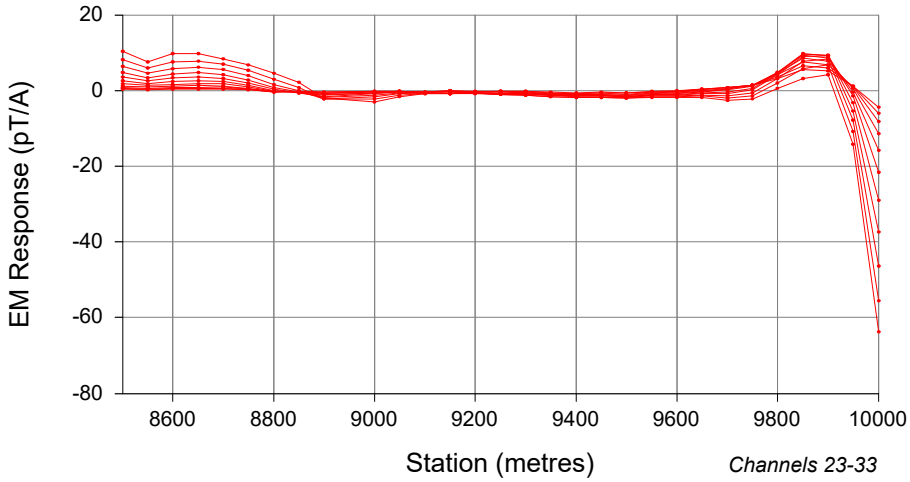
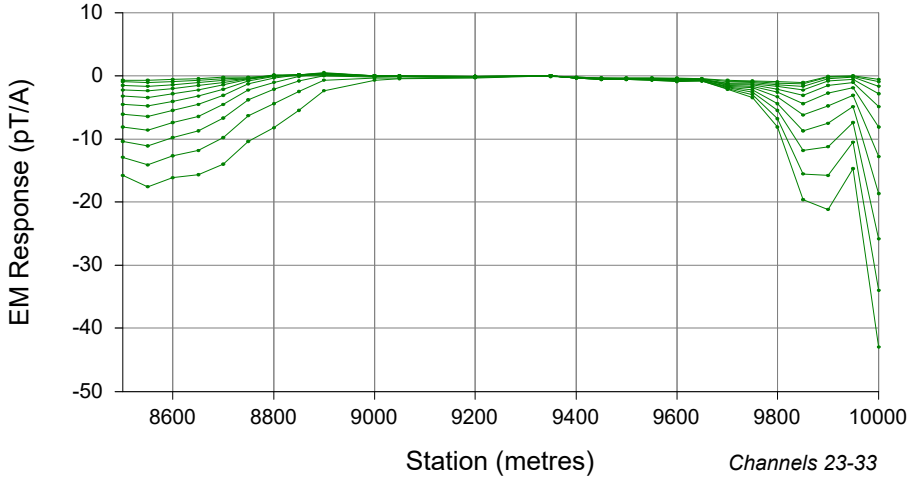
Z Primary Field



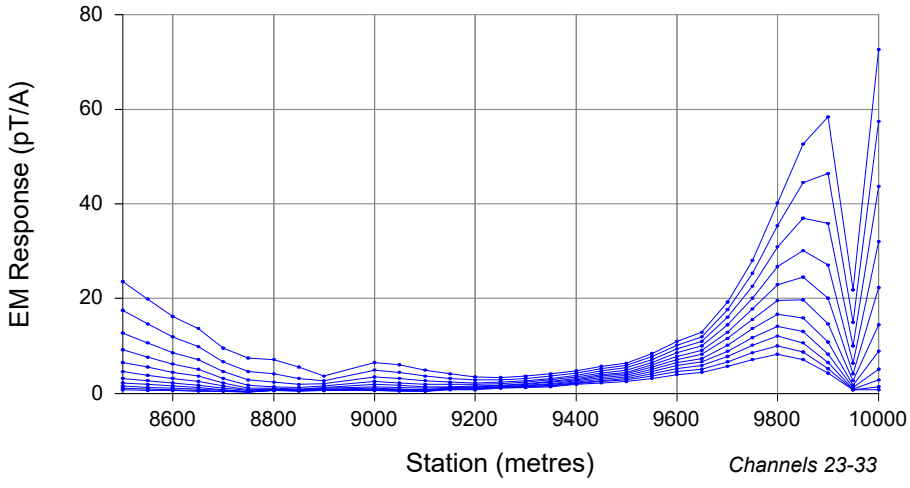
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

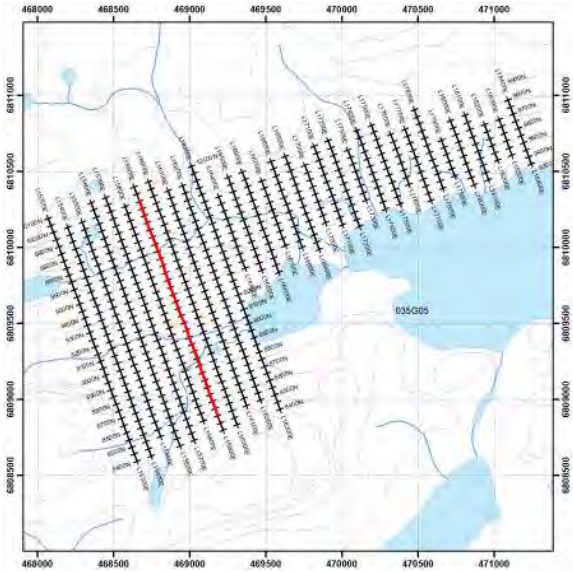
Configuration	: Moving-Loop TEM
Station Spacing	: 0-100 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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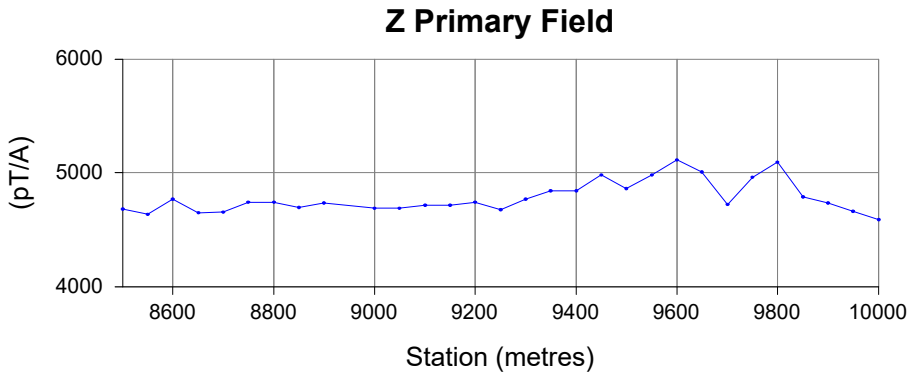
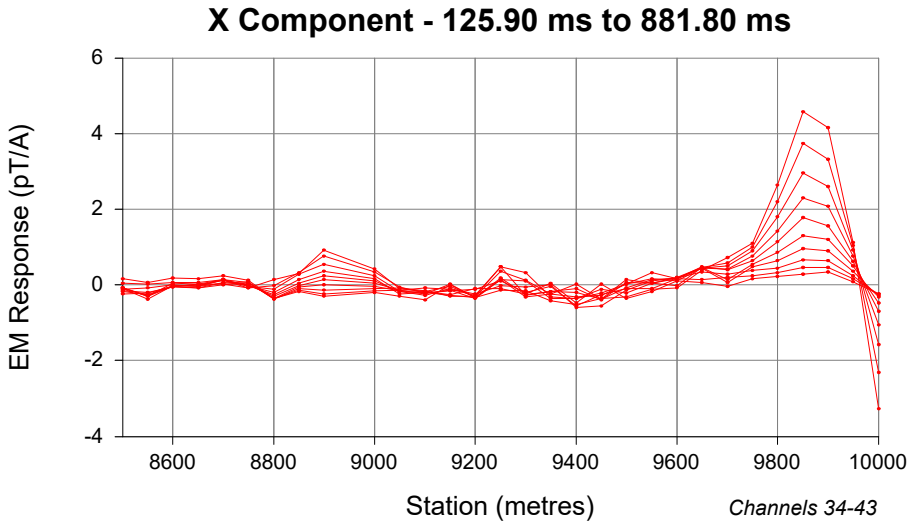
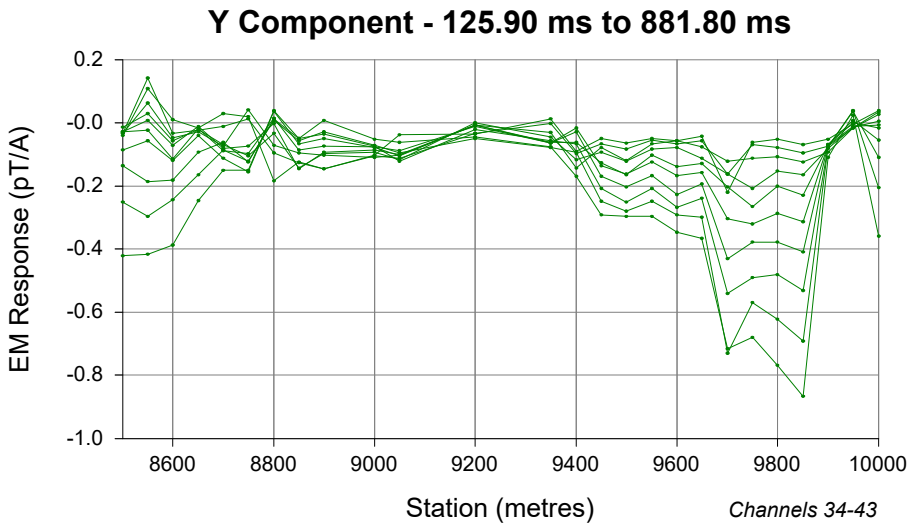
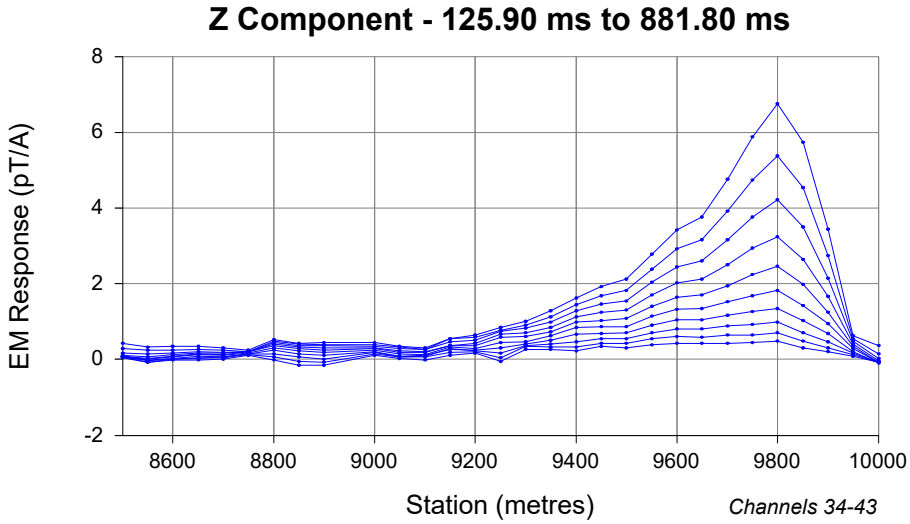








SURVEY PARAMETERS

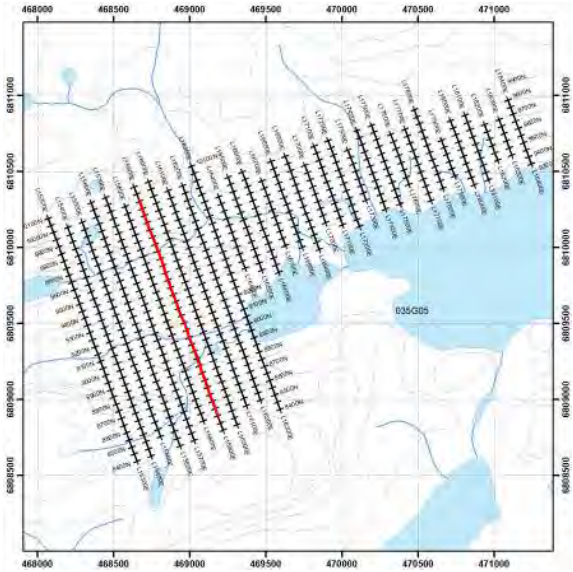
Configuration	: Moving-Loop TEM
Station Spacing	: 0-100 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 30.0 A
Turn Off	: 0.500 ms



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West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 15900E

Surveyed By: Cole Smytaniuk
Survey Date: July 2021

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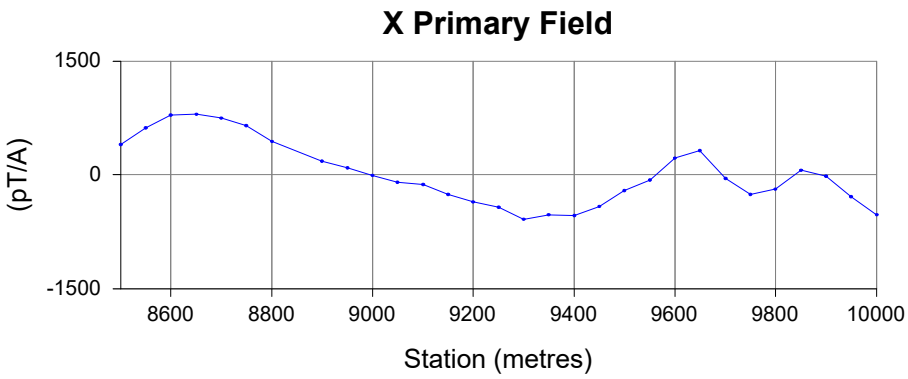
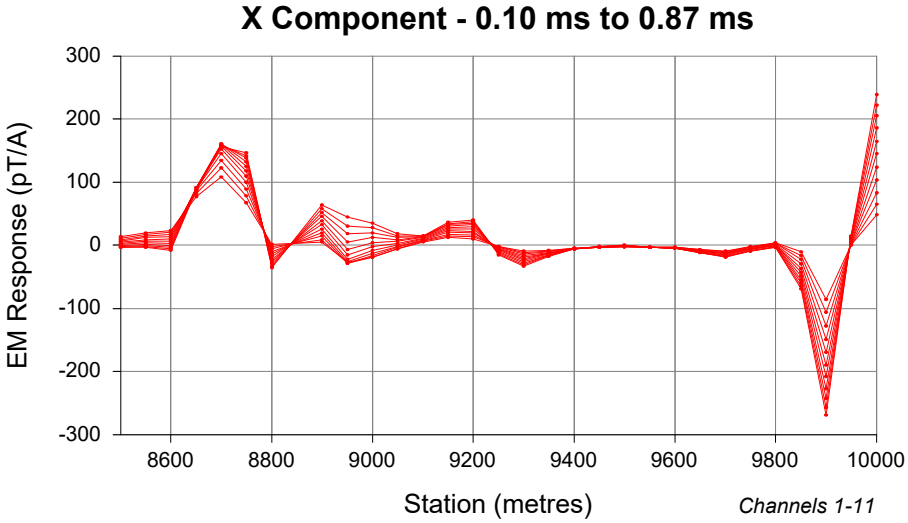
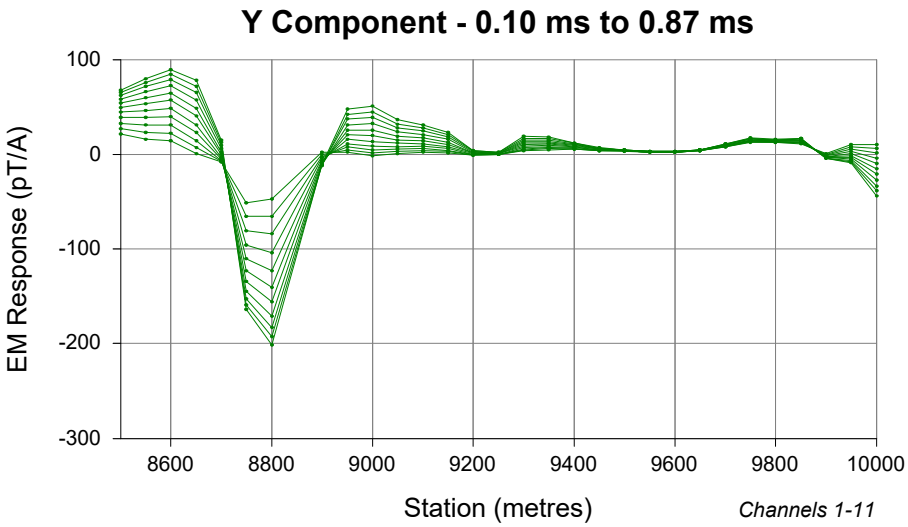
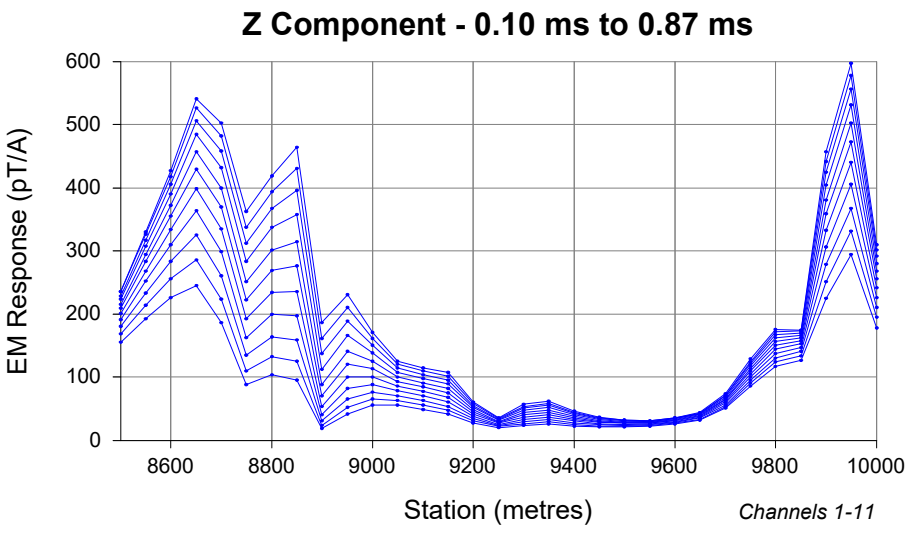








SURVEY PARAMETERS

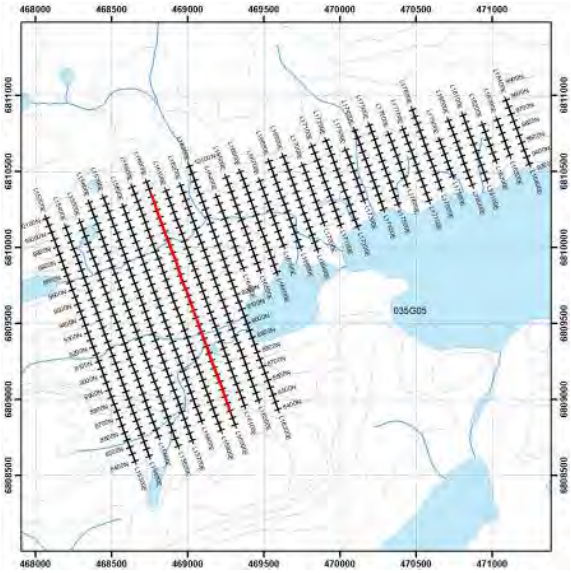
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

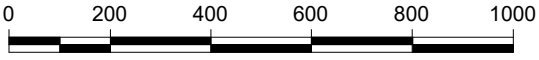
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:15000

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West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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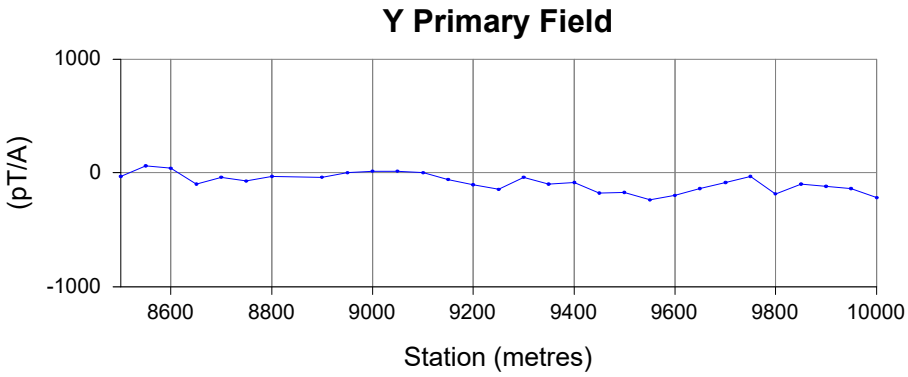
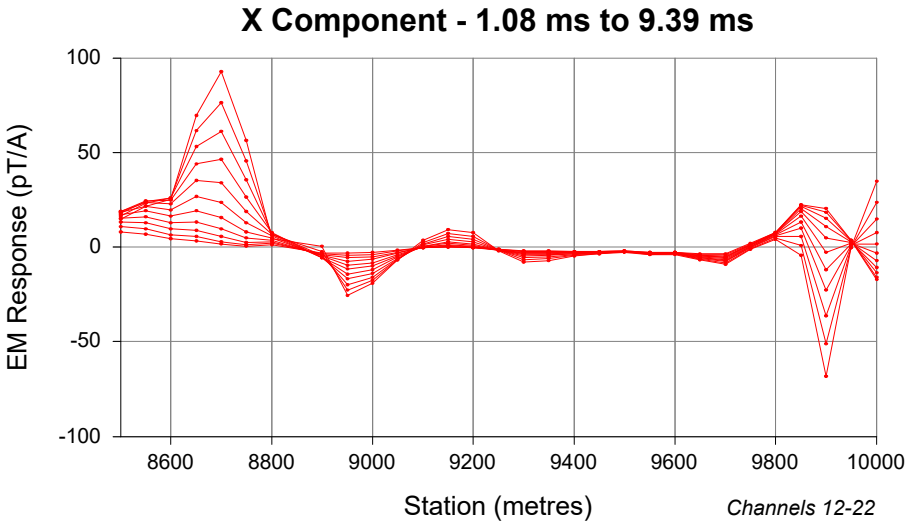
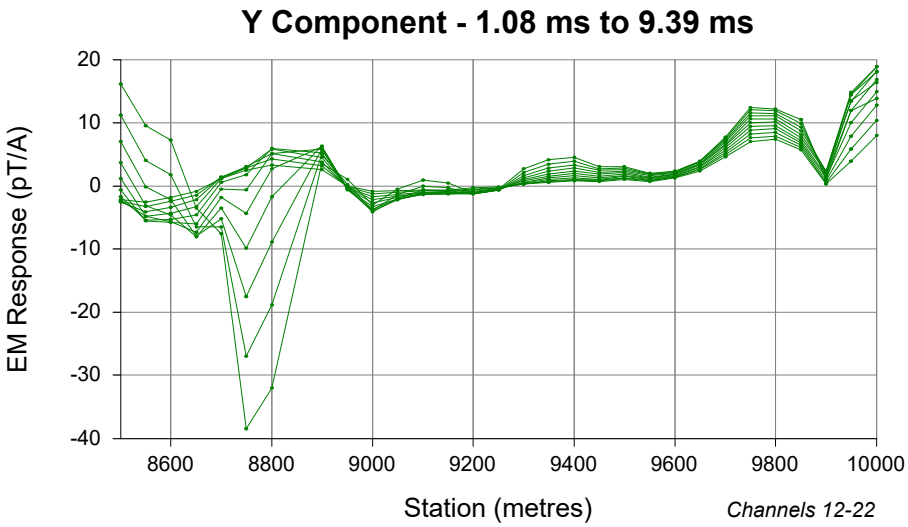
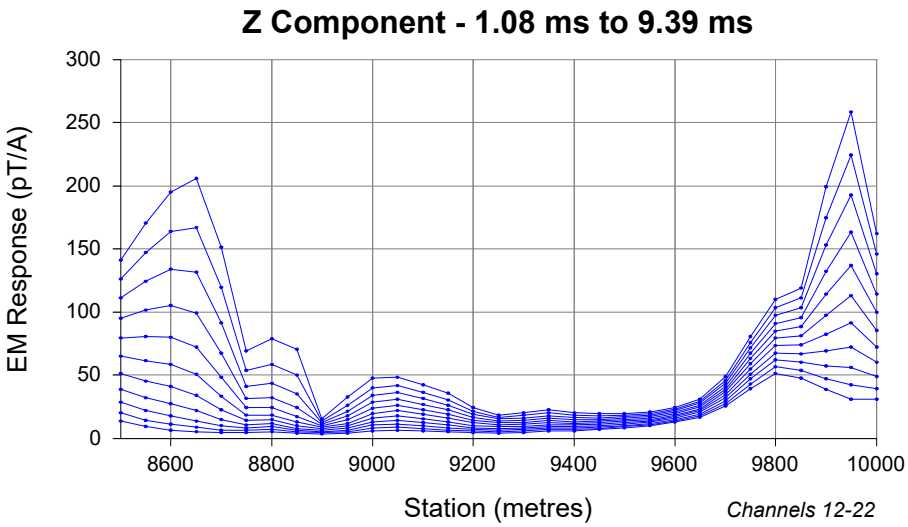








SURVEY PARAMETERS

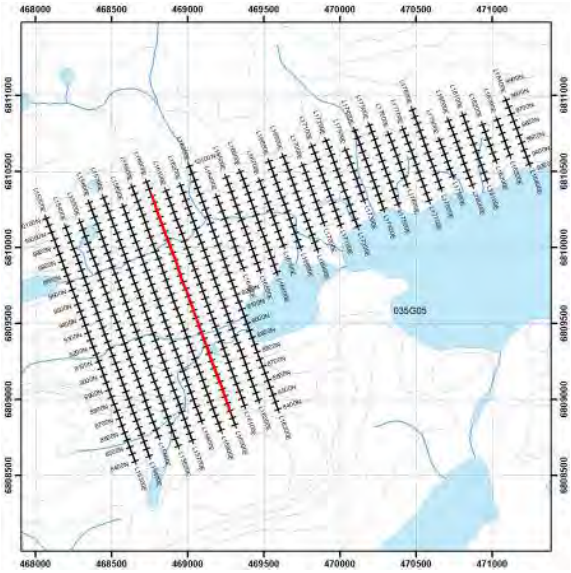
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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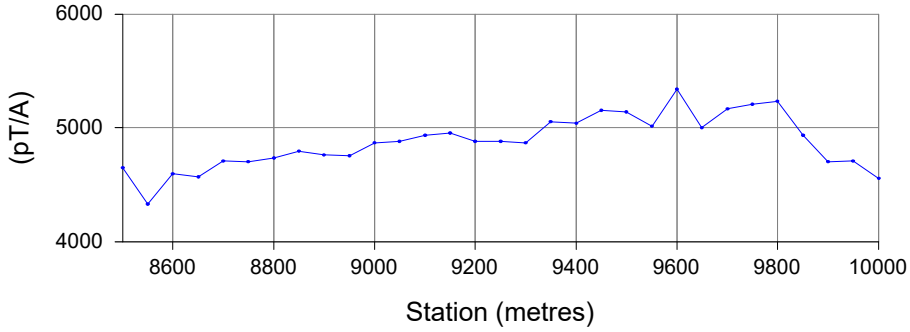
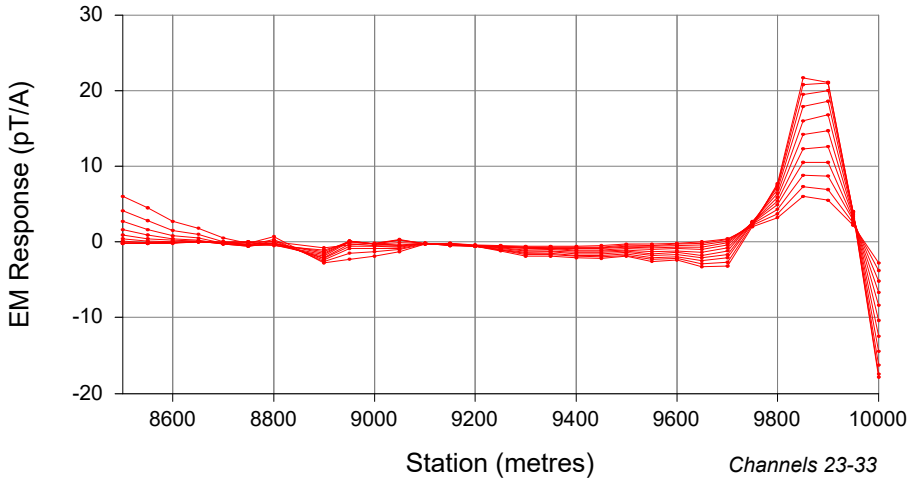
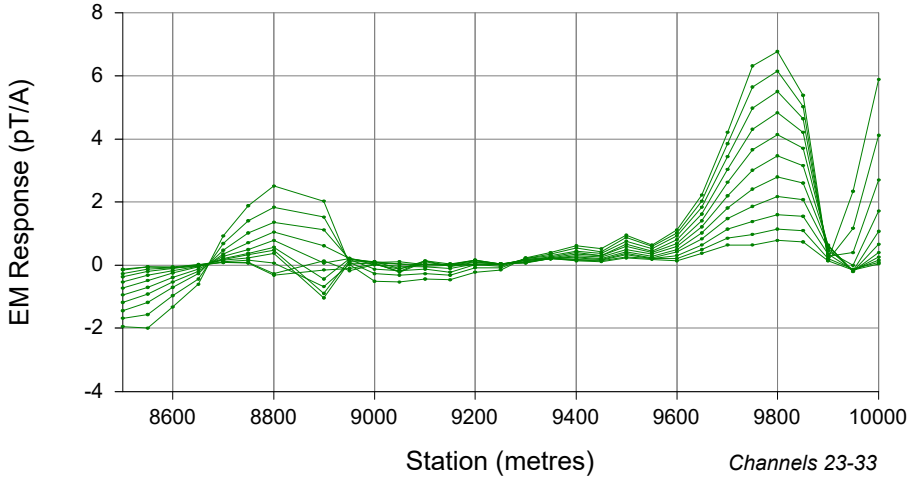
Z Primary Field



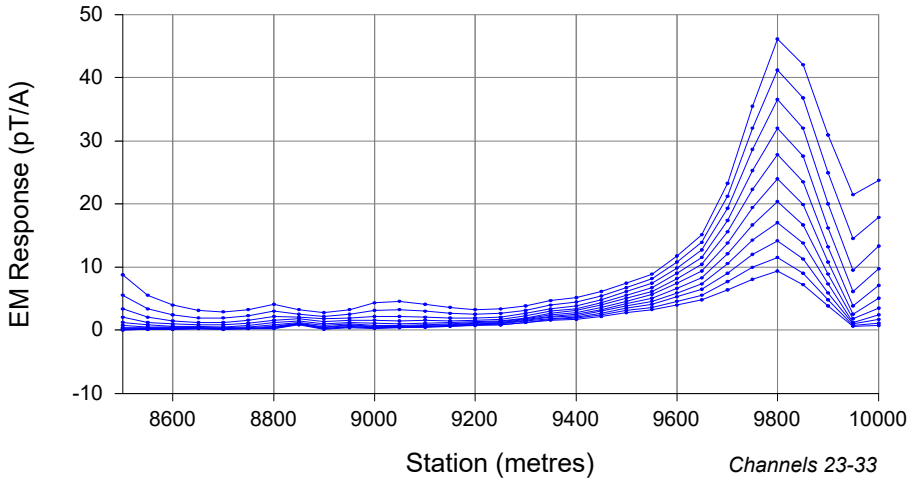
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

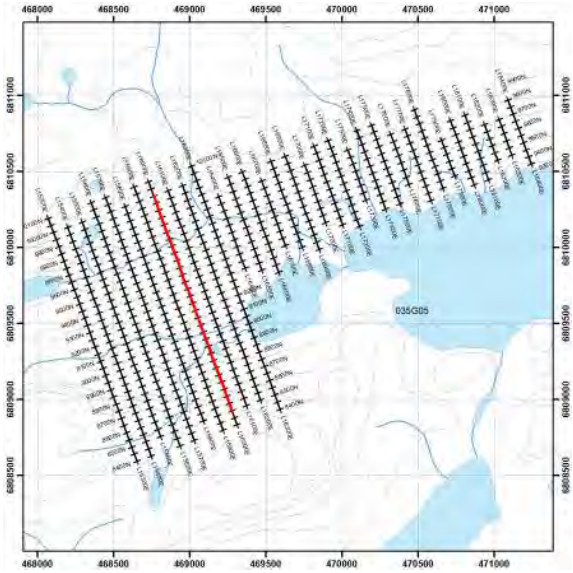
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

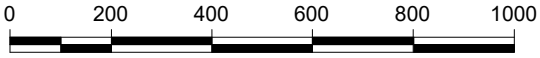
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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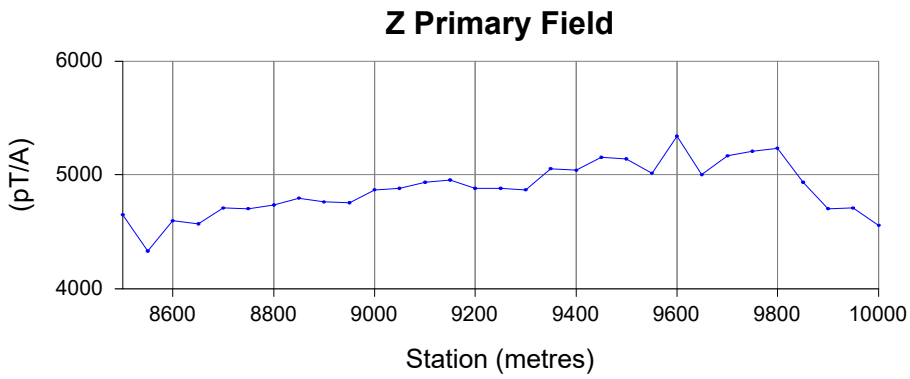
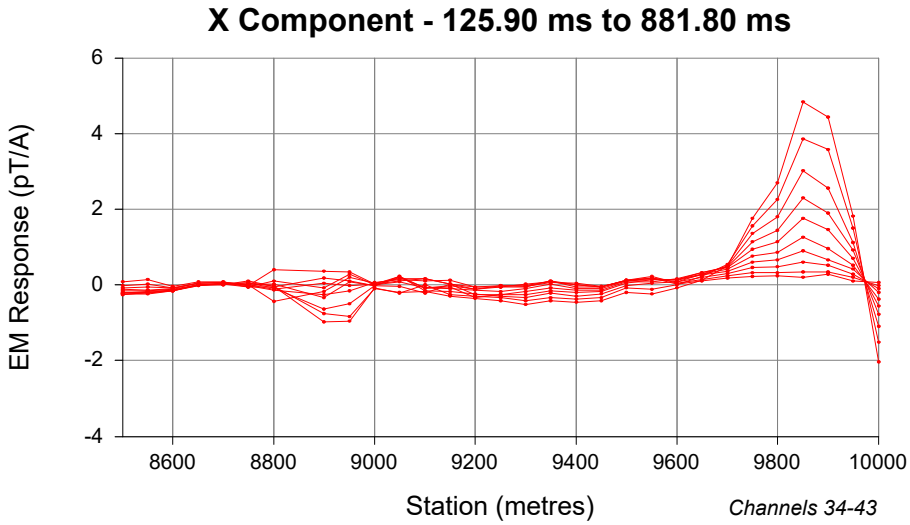
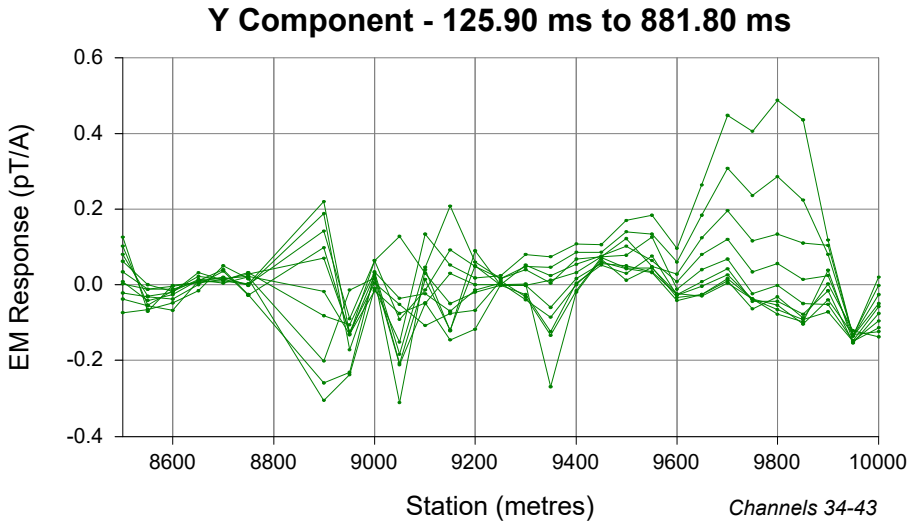
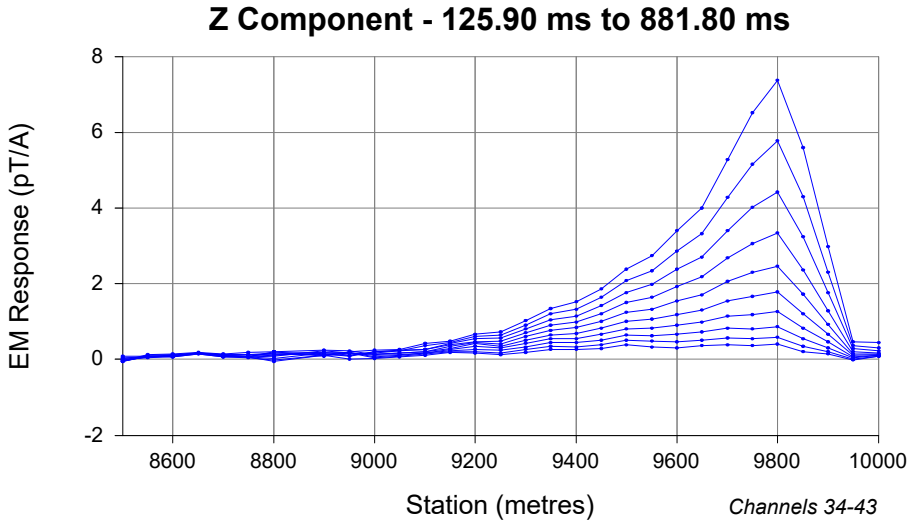








SURVEY PARAMETERS

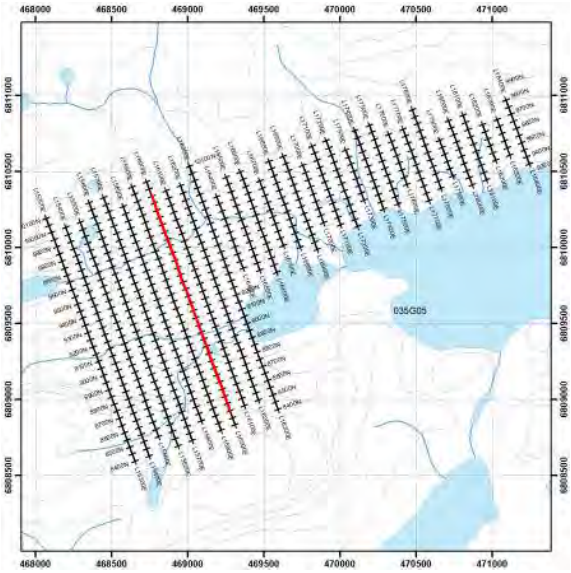
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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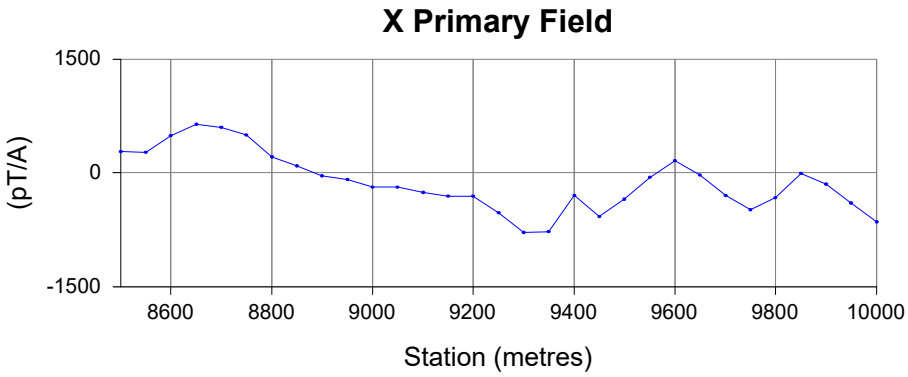
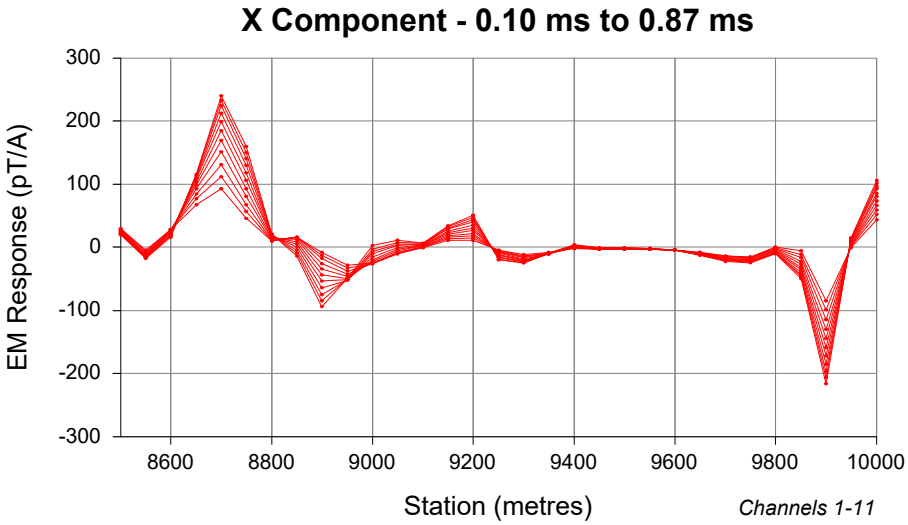
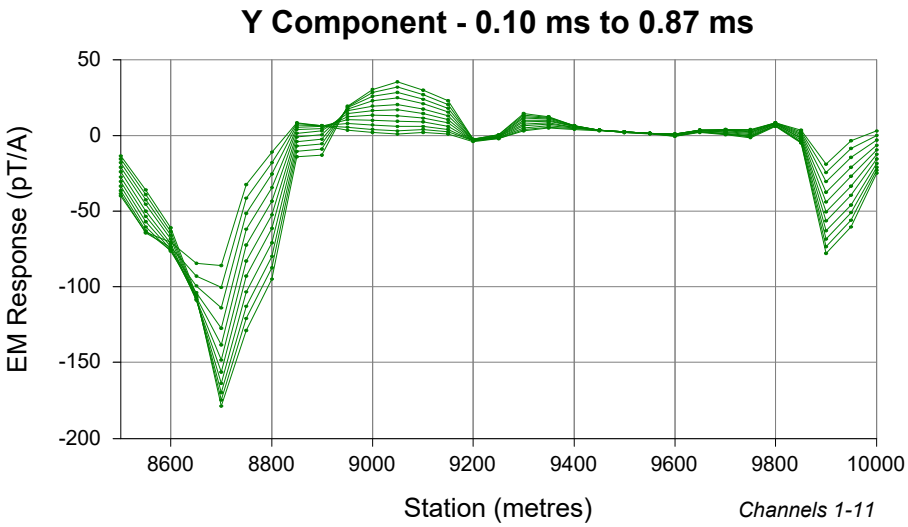
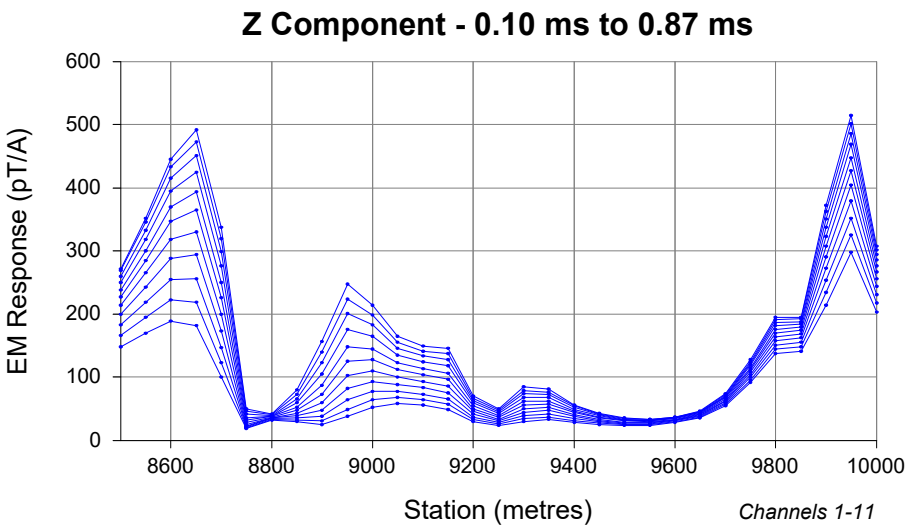








SURVEY PARAMETERS

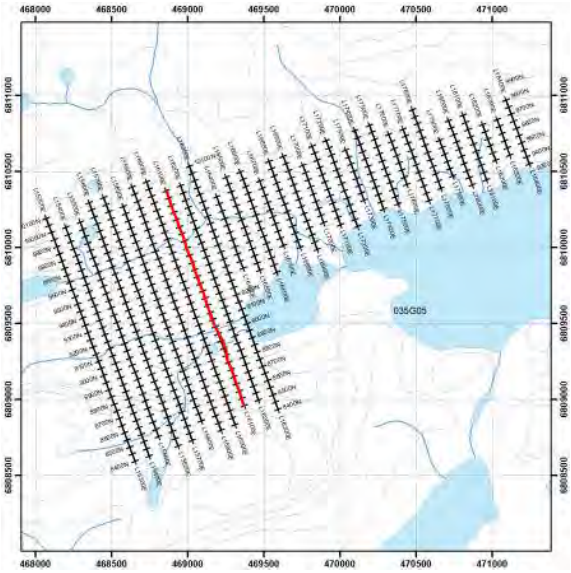
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

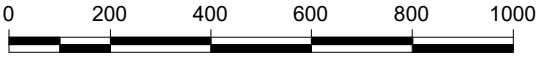
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





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Orford Mining Corp.
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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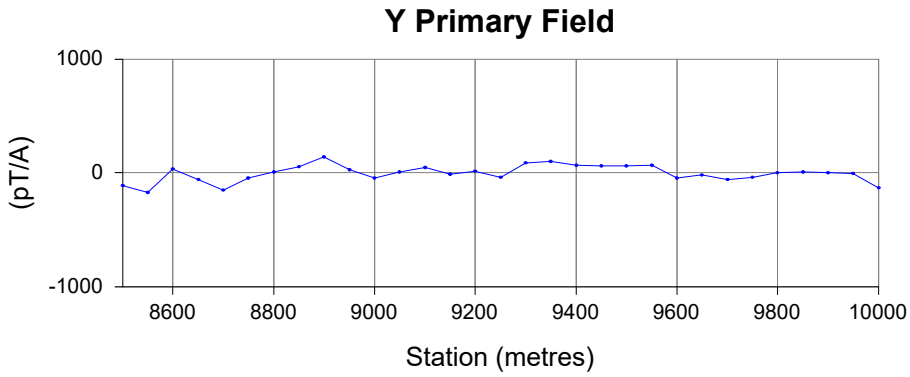
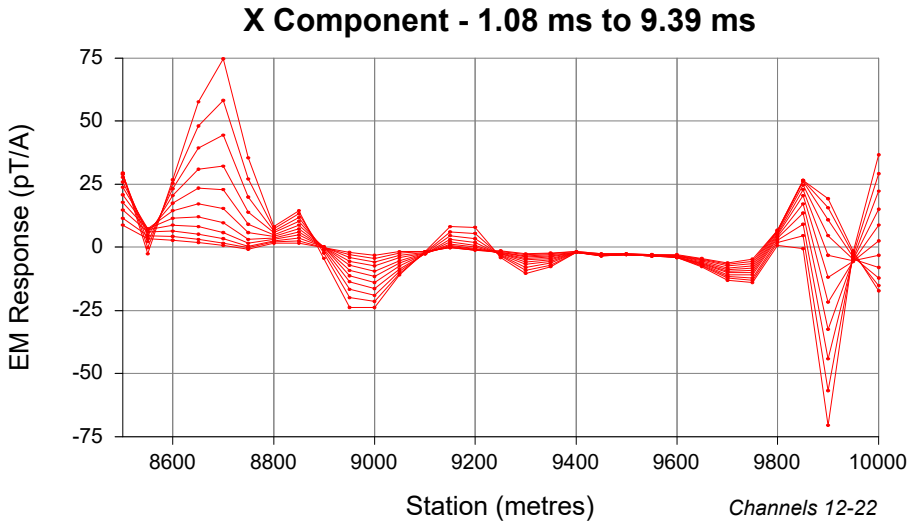
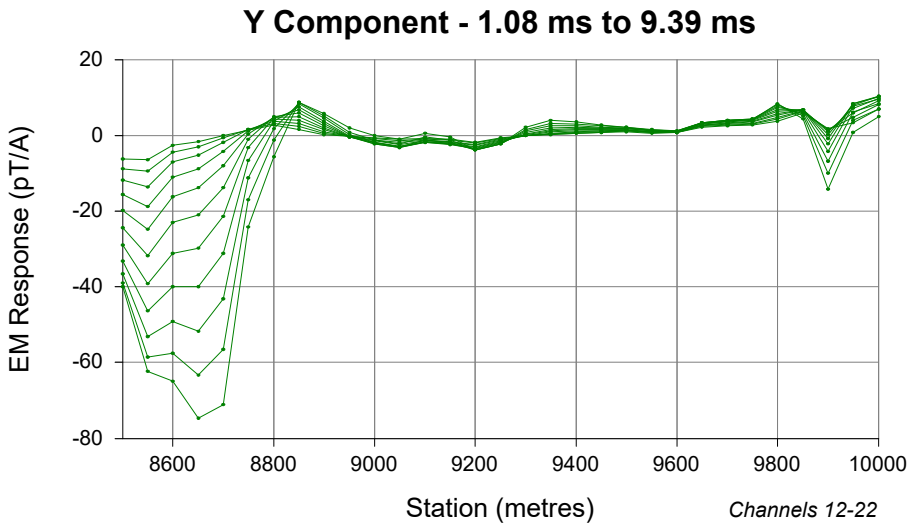
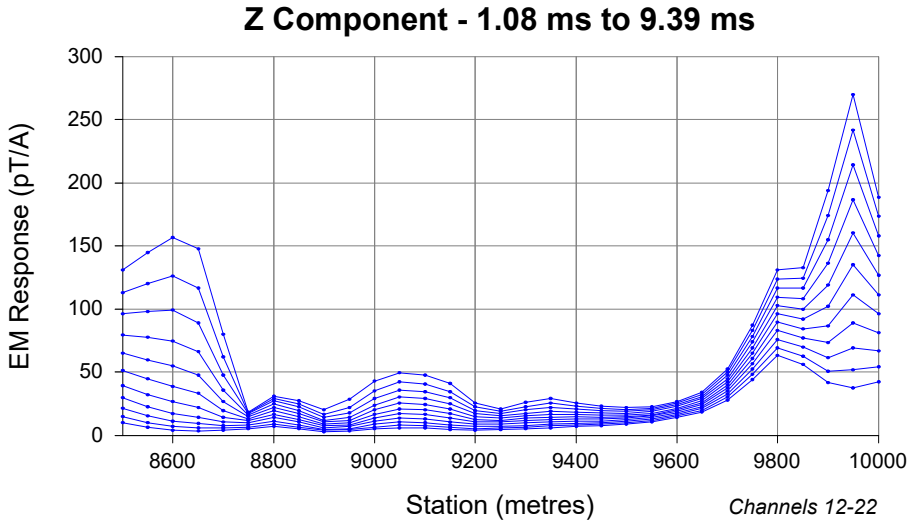








SURVEY PARAMETERS

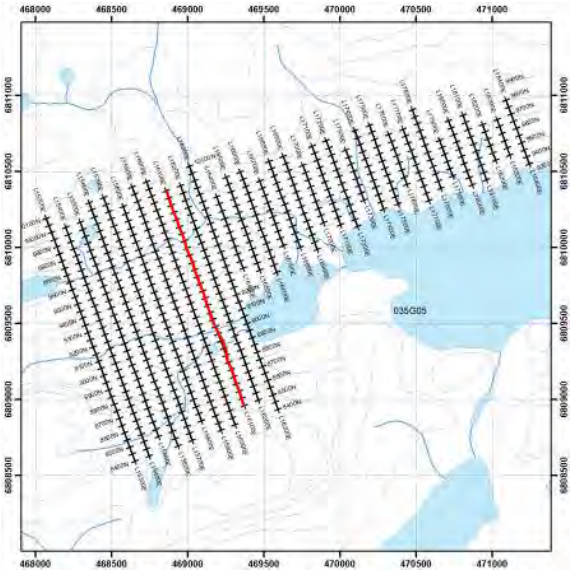
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Orford Mining Corp.
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Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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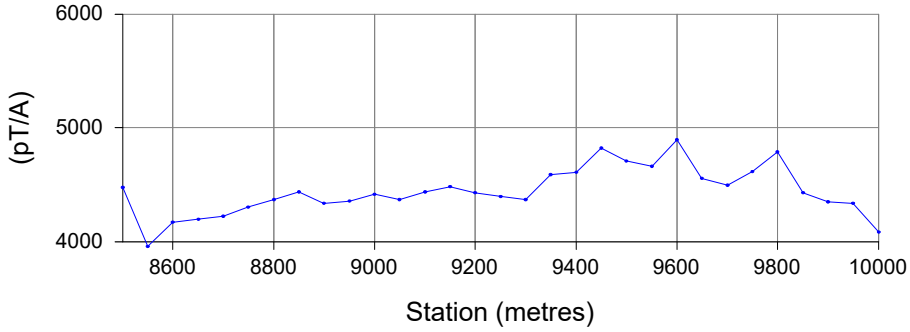
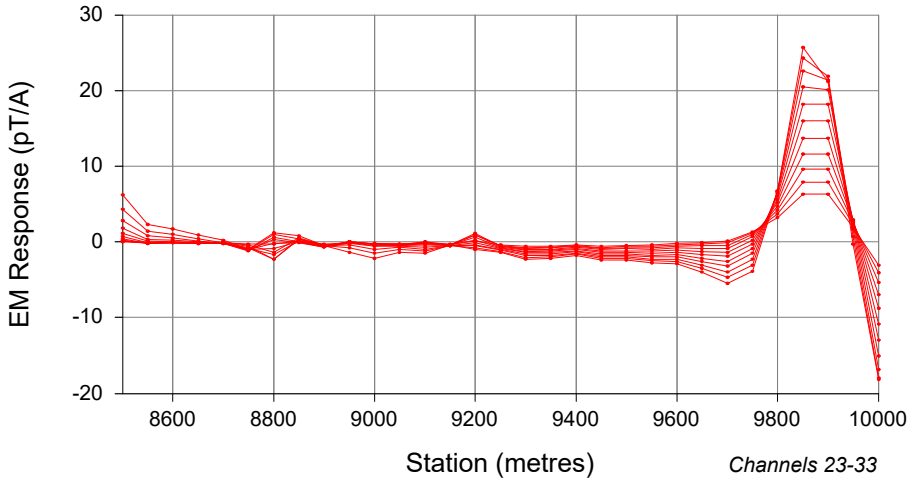
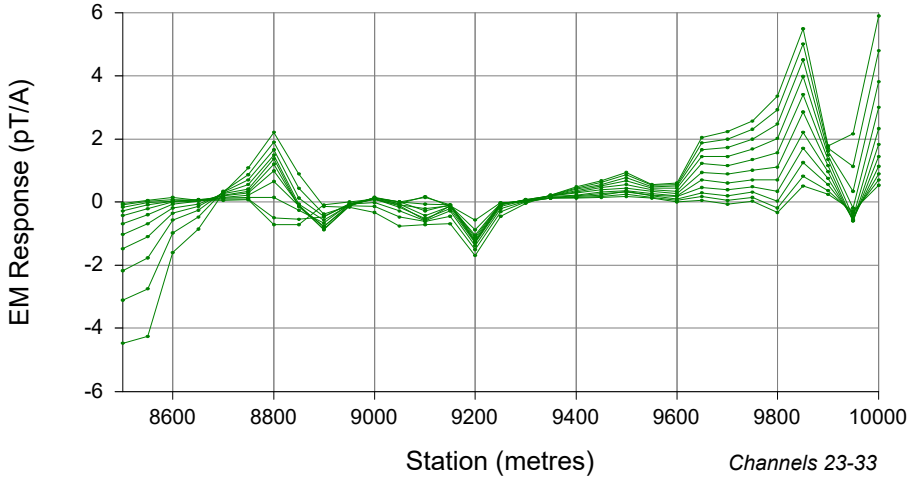
Z Primary Field



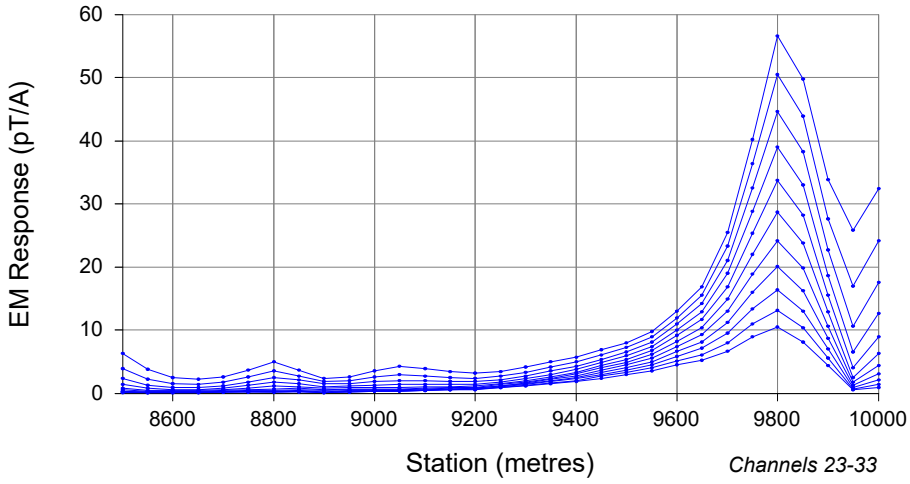
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

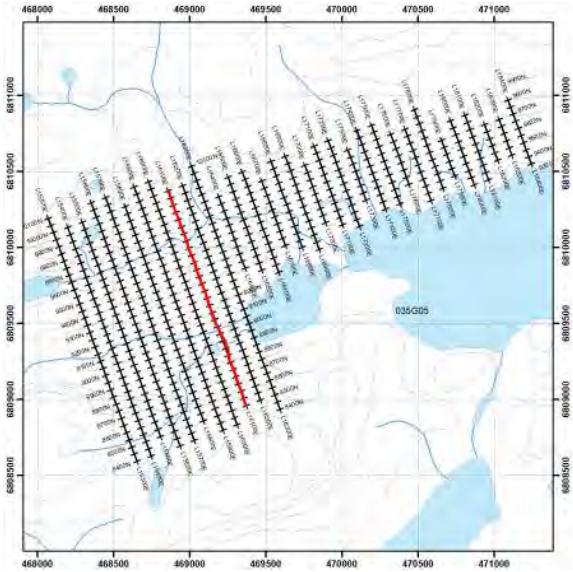
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:15000

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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16100E

Surveyed By: Mohamed Haiba
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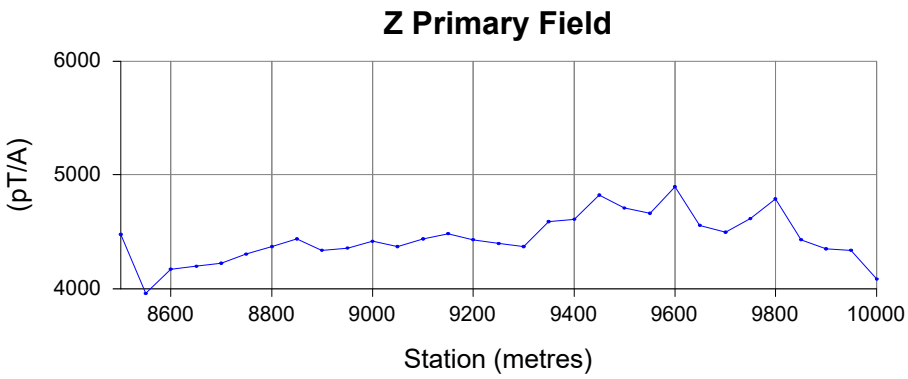
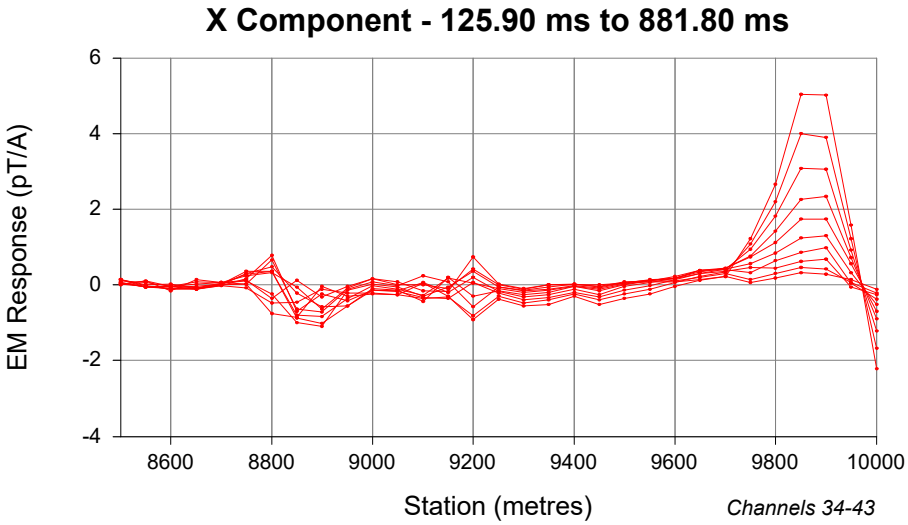
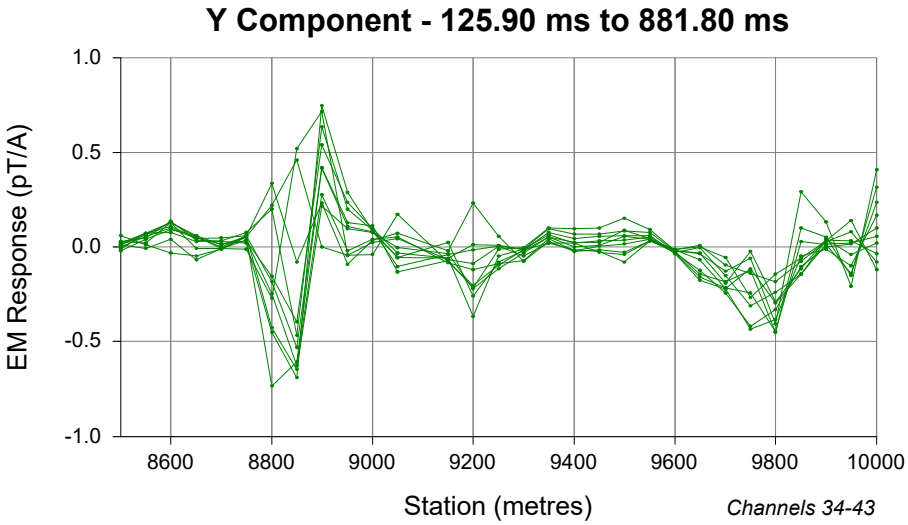
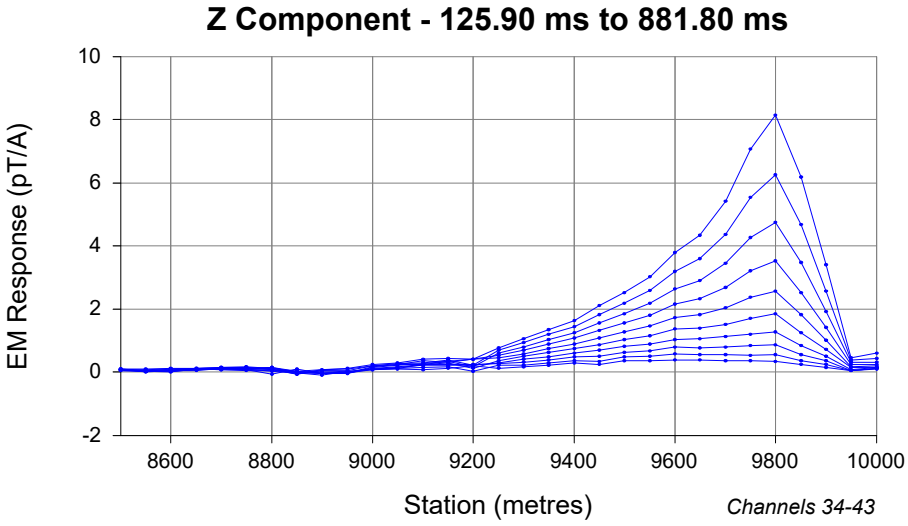








SURVEY PARAMETERS

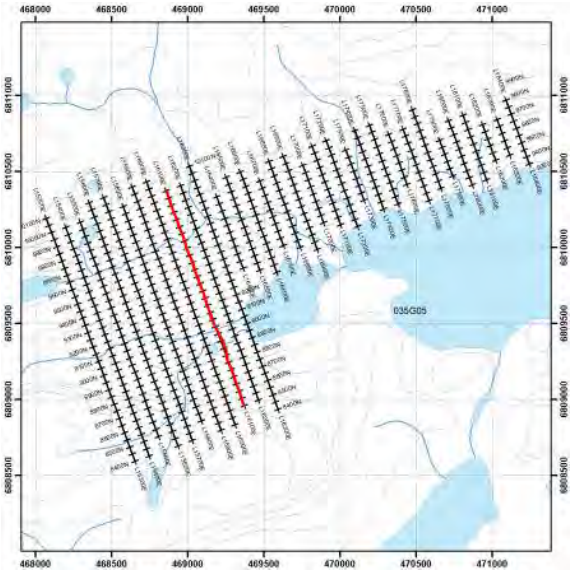
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

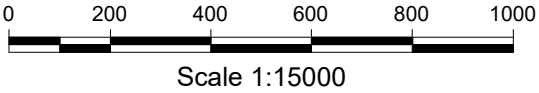
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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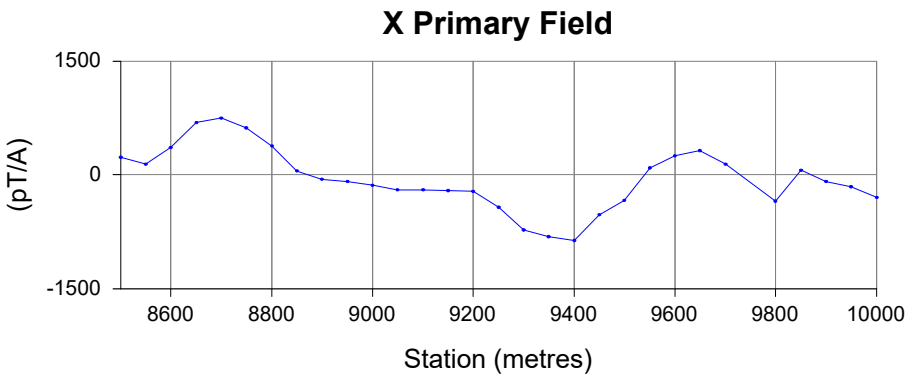
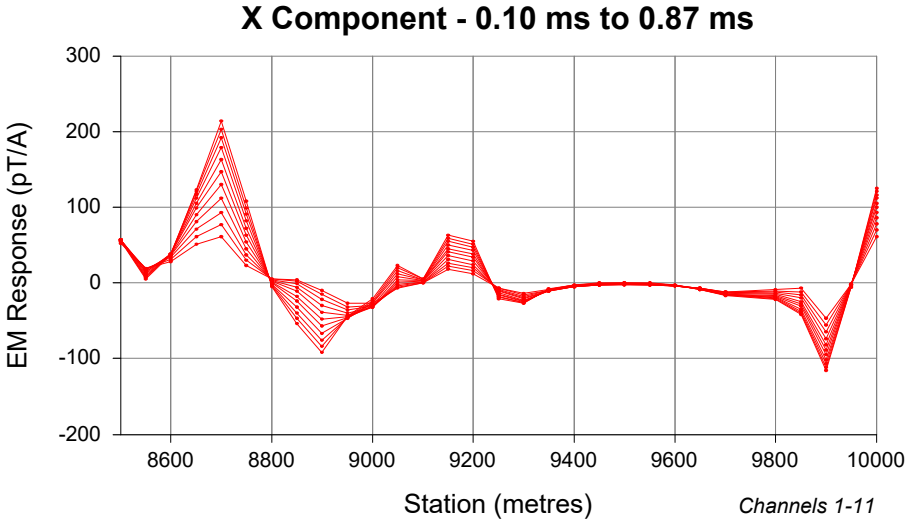
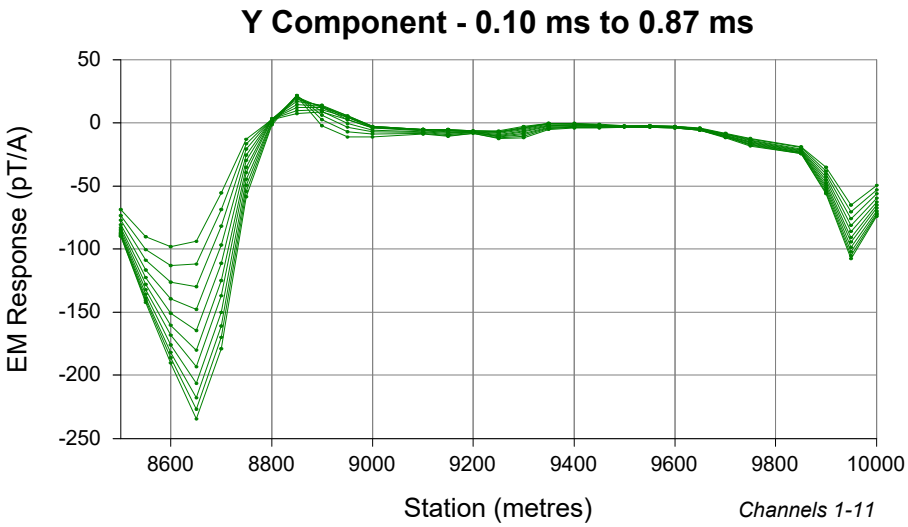
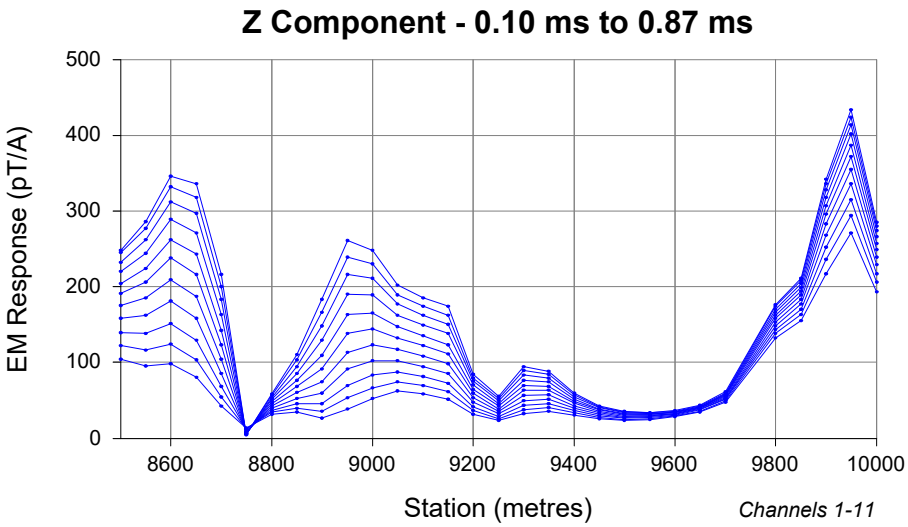








SURVEY PARAMETERS

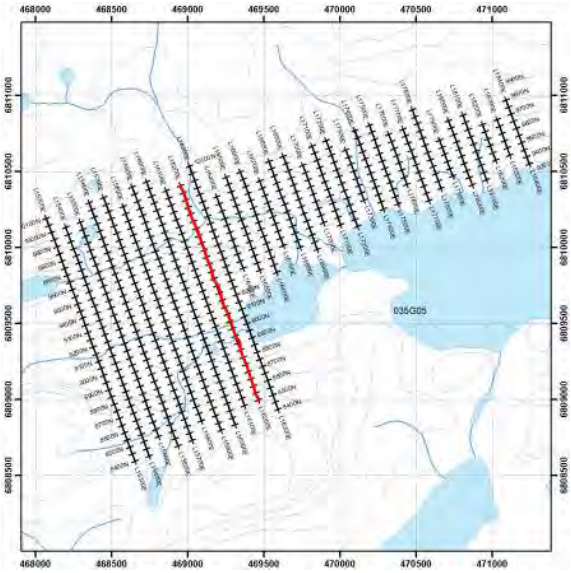
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 16200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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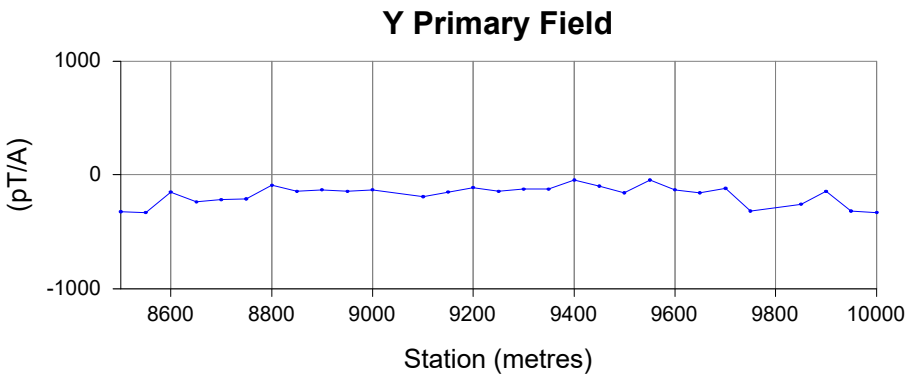
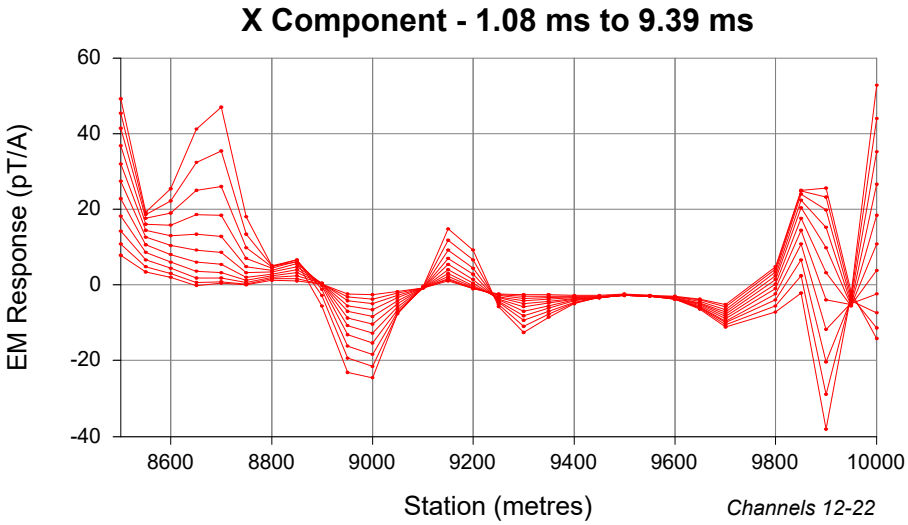
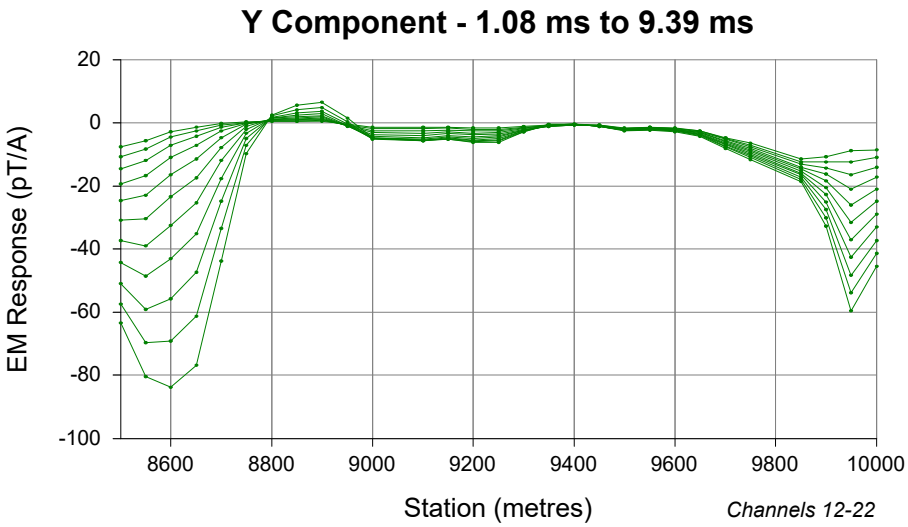
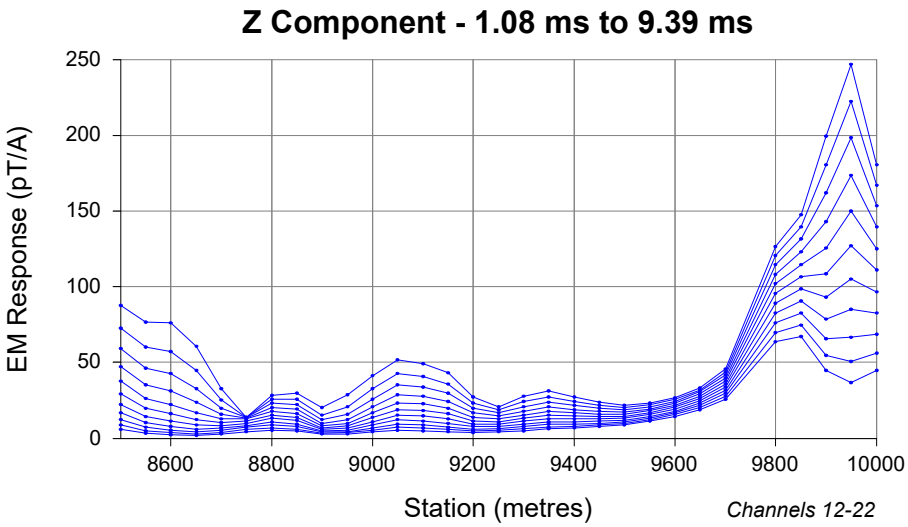








SURVEY PARAMETERS

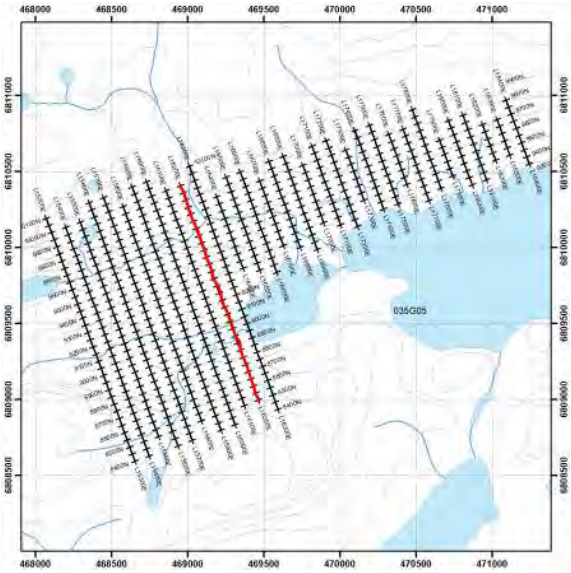
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Moving-Loop TEM Survey

Line 16200E

Surveyed By: Cole Smytaniuk
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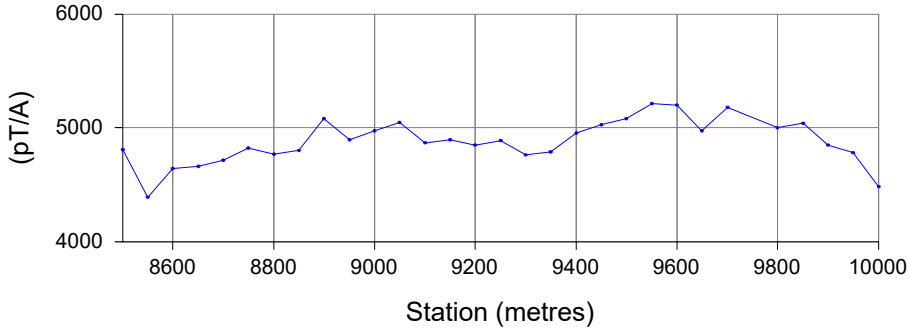
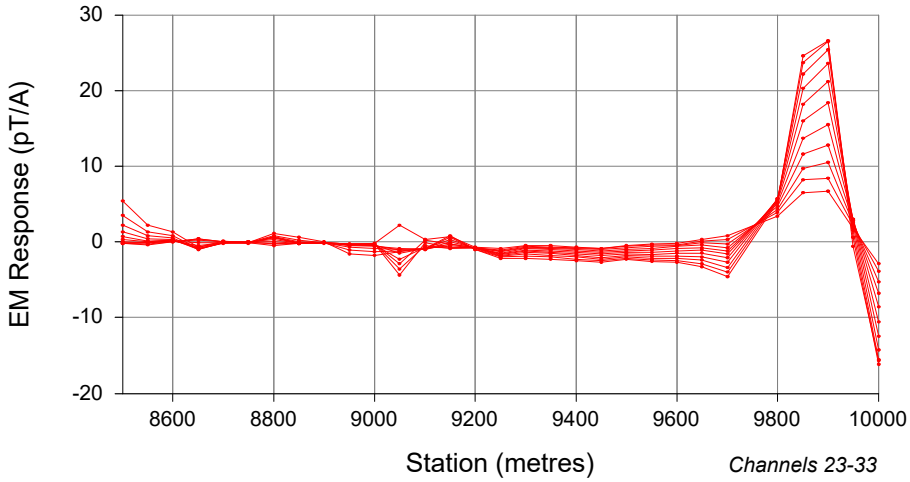
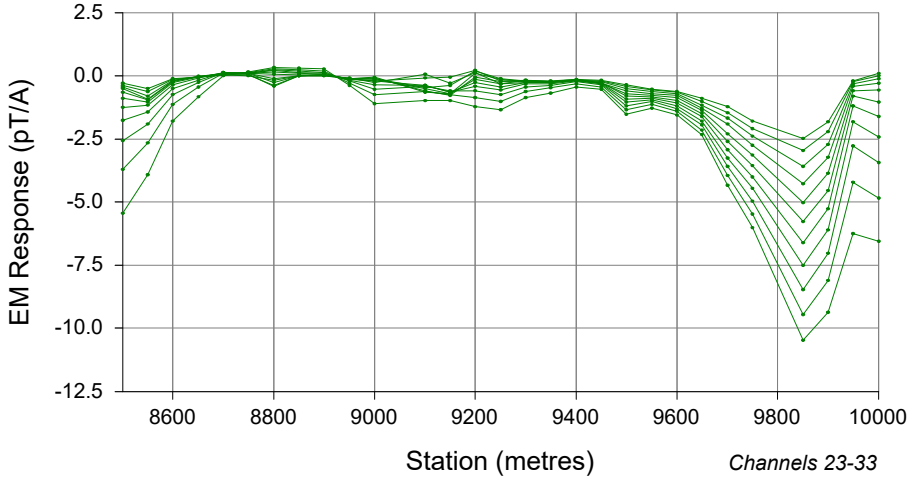
Z Primary Field



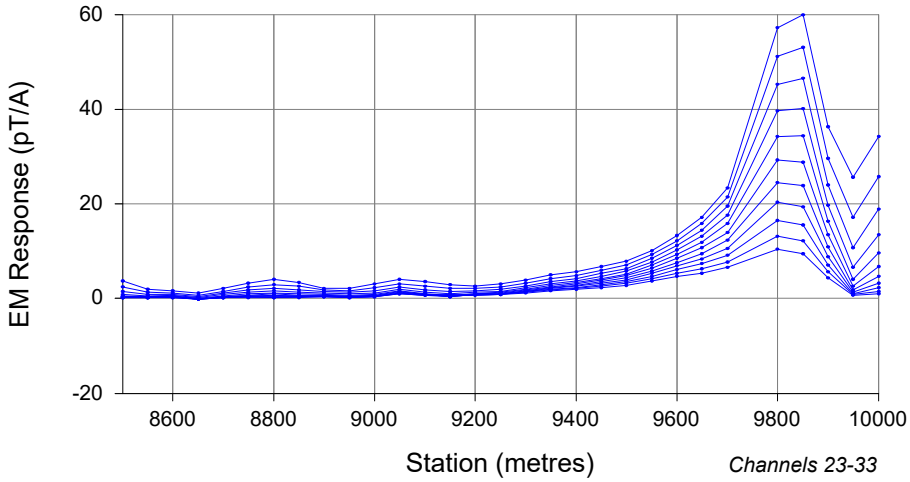
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

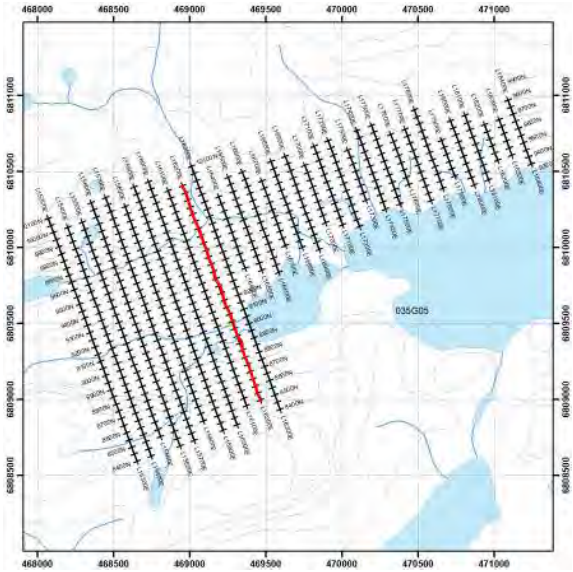
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:15000

Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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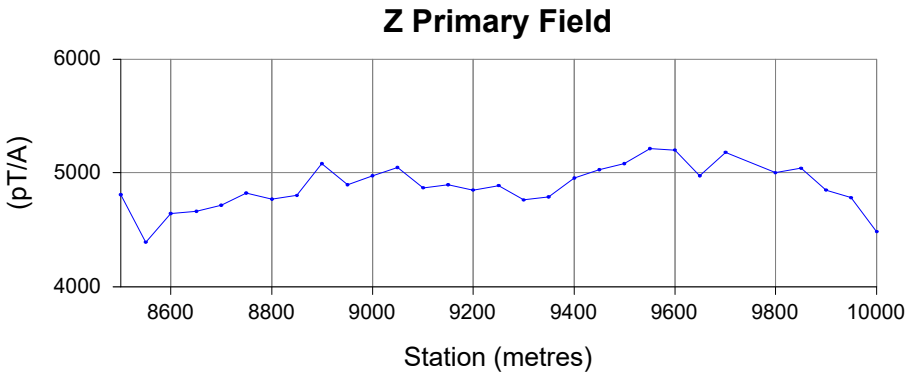
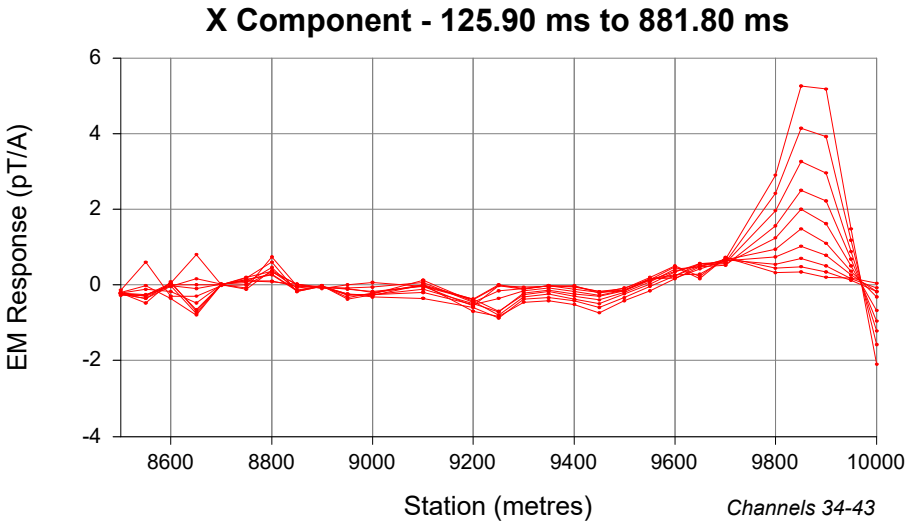
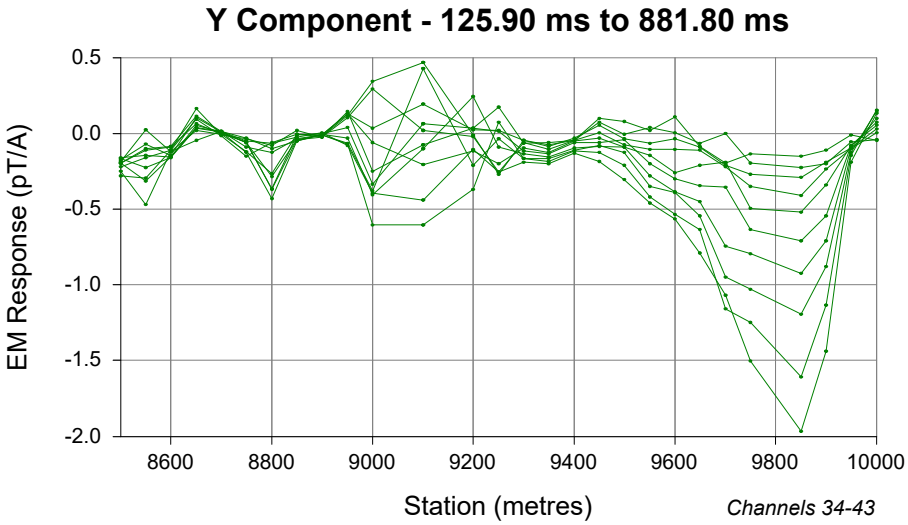
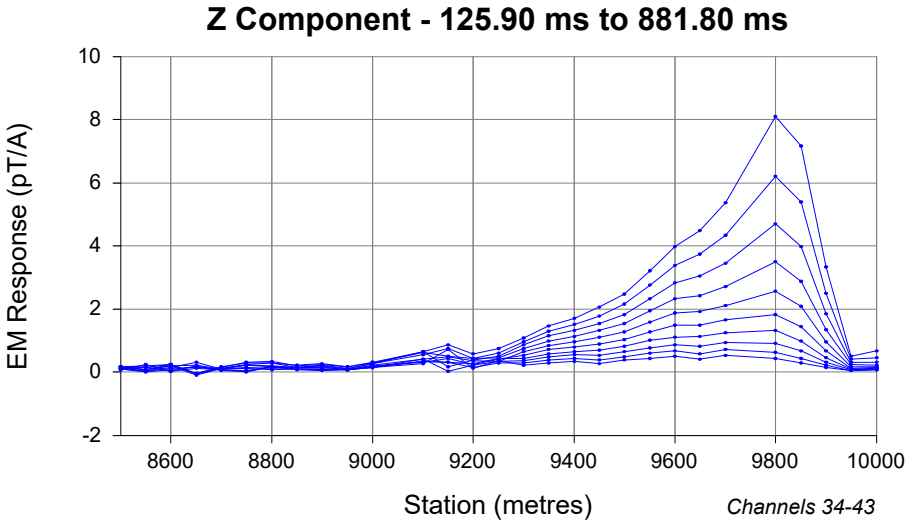








SURVEY PARAMETERS

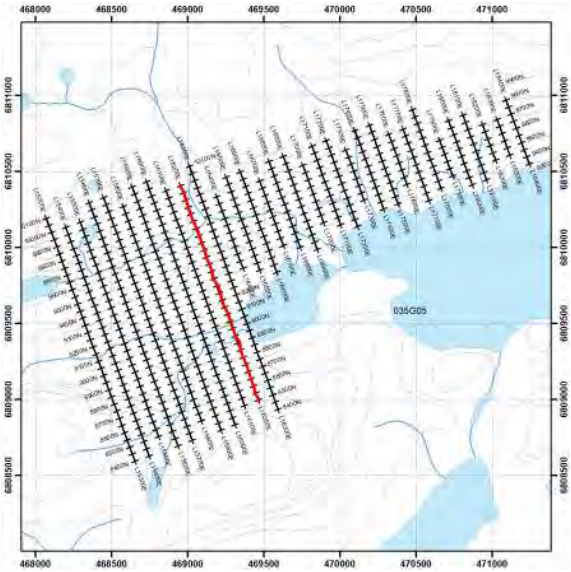
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly Central Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 16200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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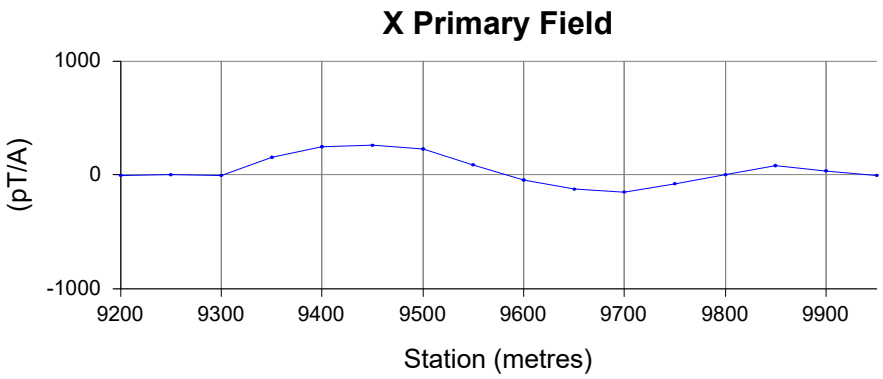
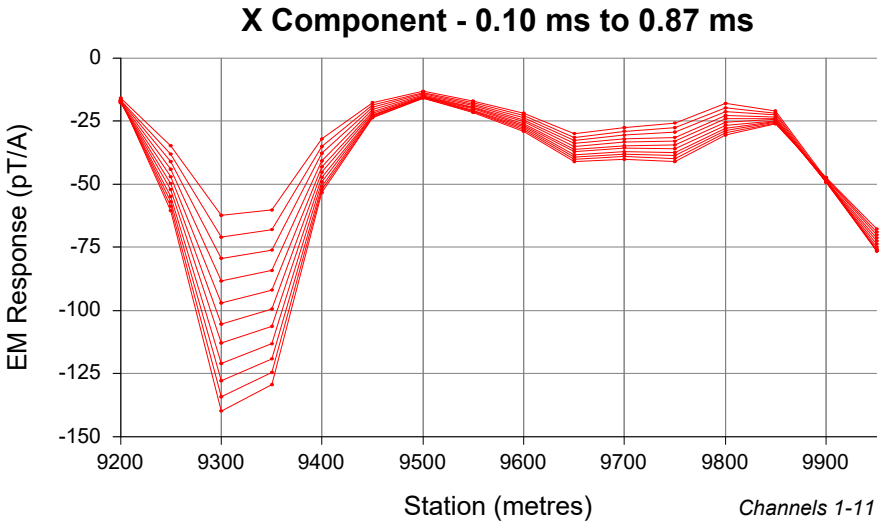
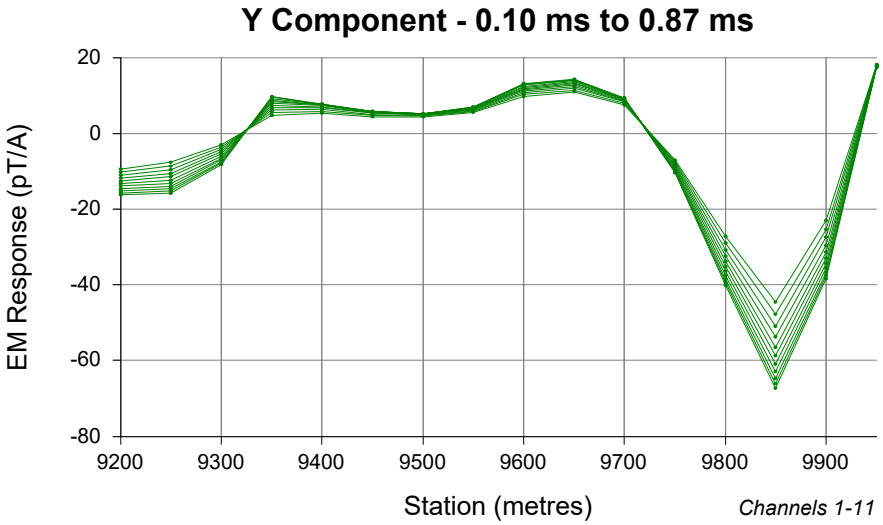
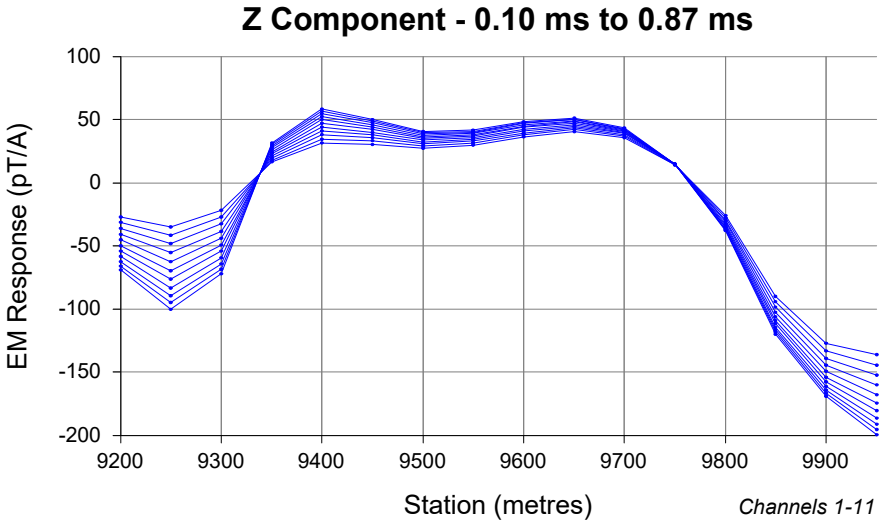
APPENDIX J – BEVERLY EAST SLINGRAM MLTEM PROFILE PLOTS









SURVEY PARAMETERS

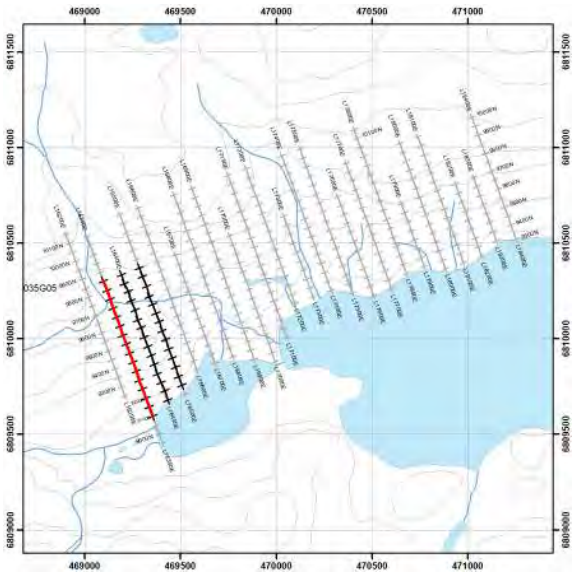
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

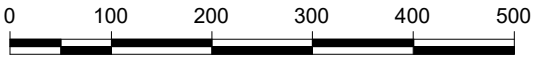
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:7500

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Supracon Jessy HT SQUID
Slingram Survey

Line 16300E

Surveyed By: Joseph Cook
Survey Date: August 2021

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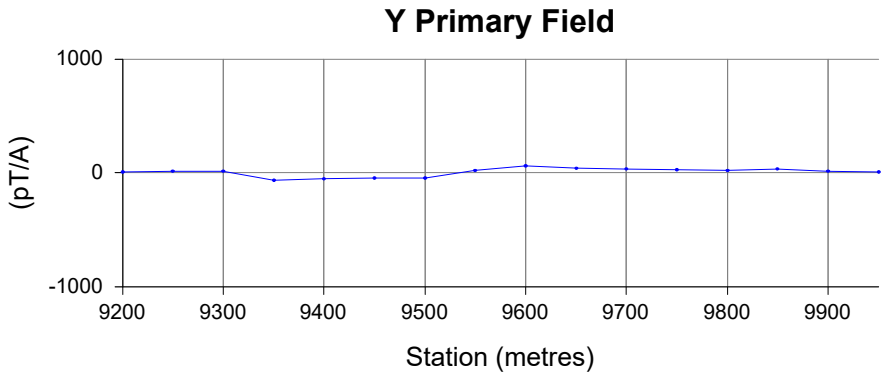
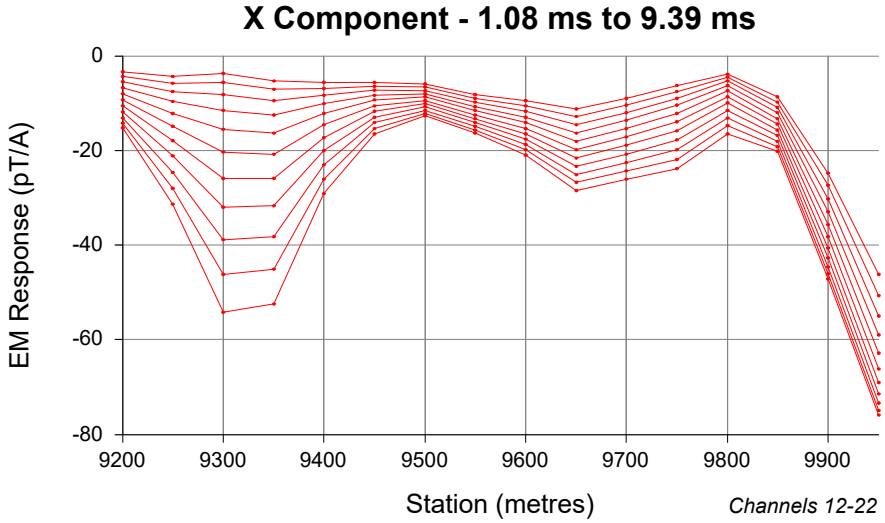
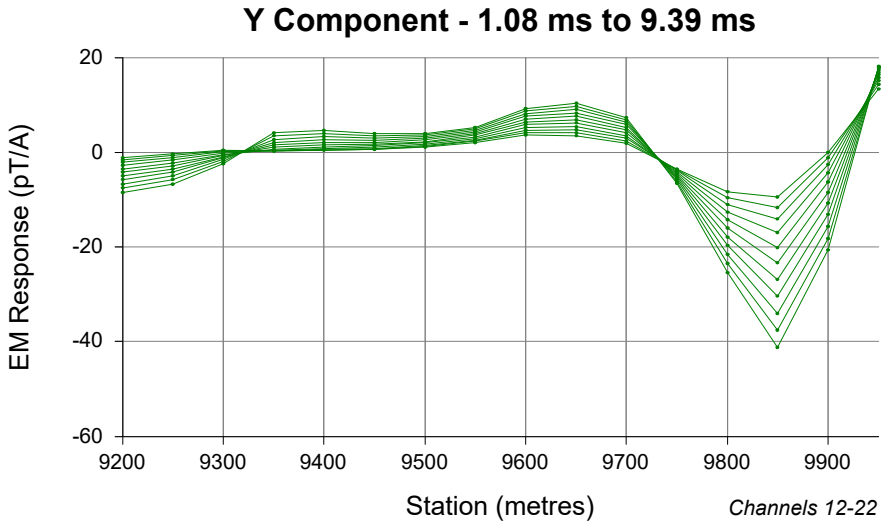
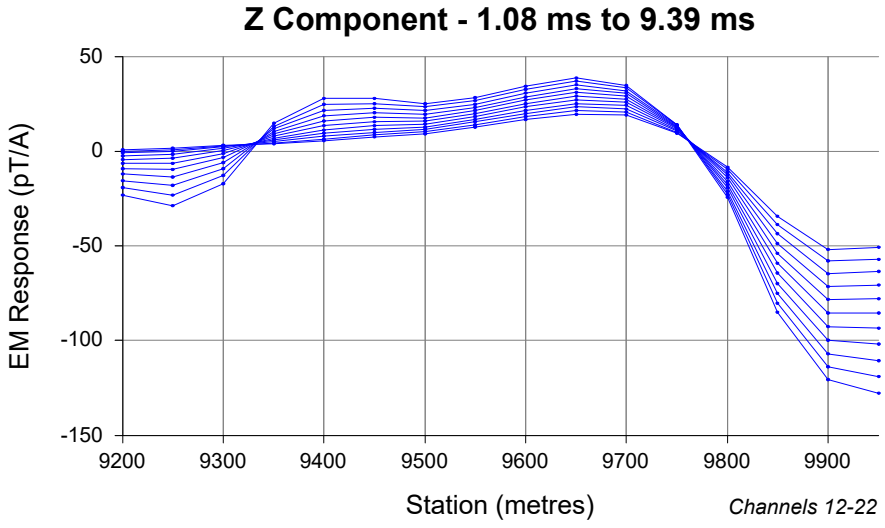








SURVEY PARAMETERS

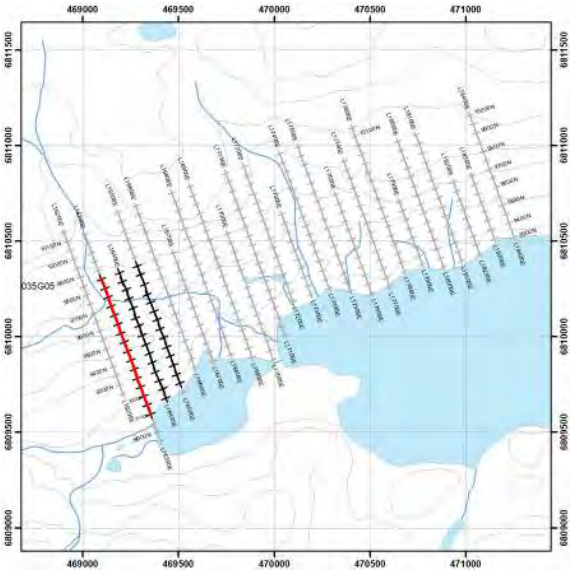
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7500

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Supracon Jessy HT SQUID
Slingram Survey

Line 16300E

Surveyed By: Joseph Cook
Survey Date: August 2021

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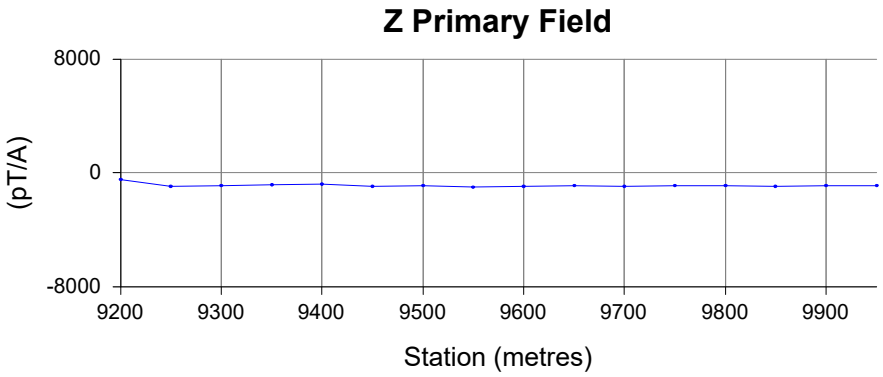
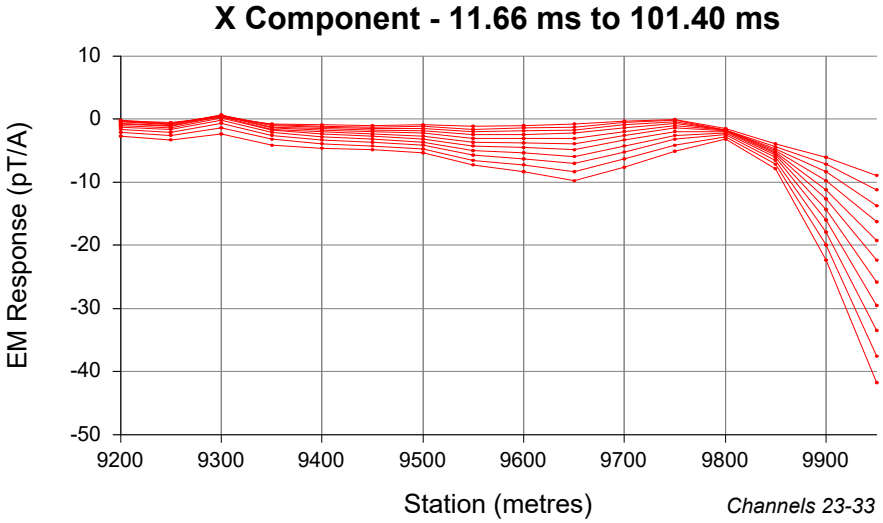
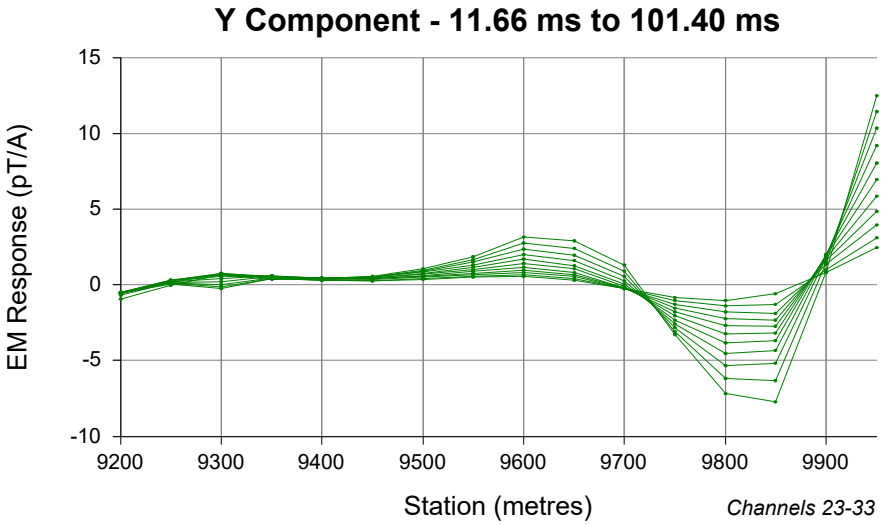
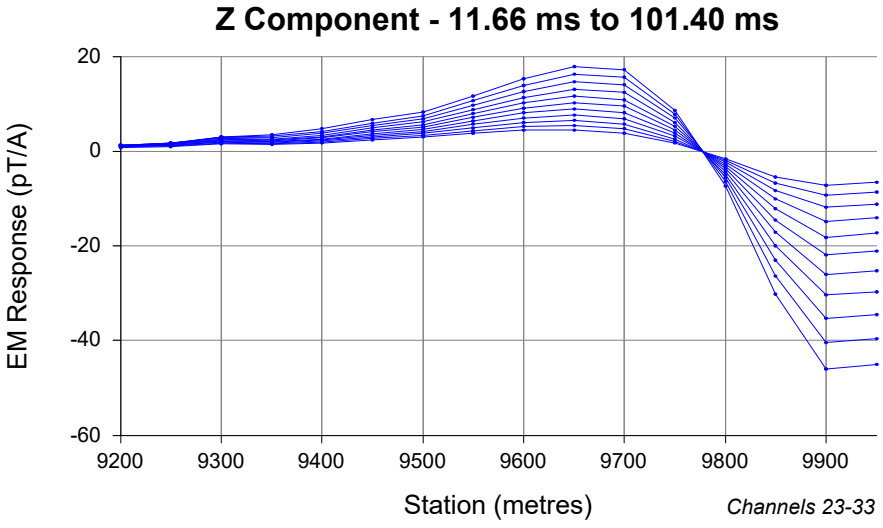








SURVEY PARAMETERS

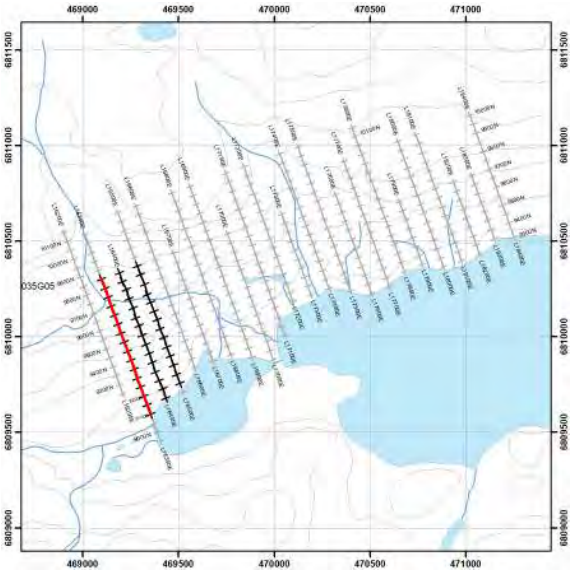
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7500

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Slingram Survey

Line 16300E

Surveyed By: Joseph Cook
Survey Date: August 2021

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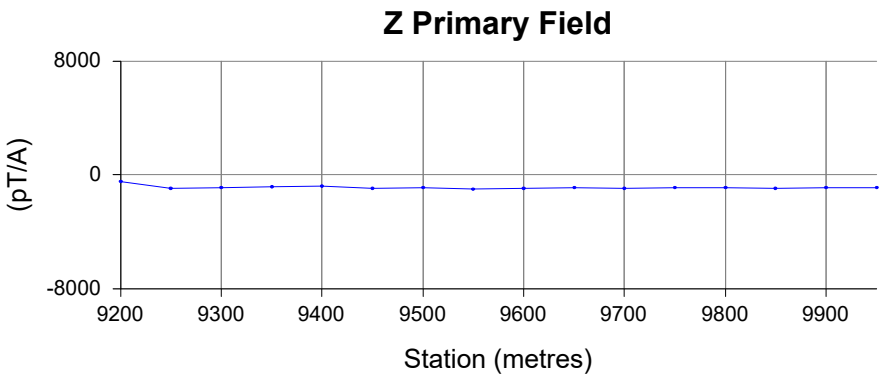
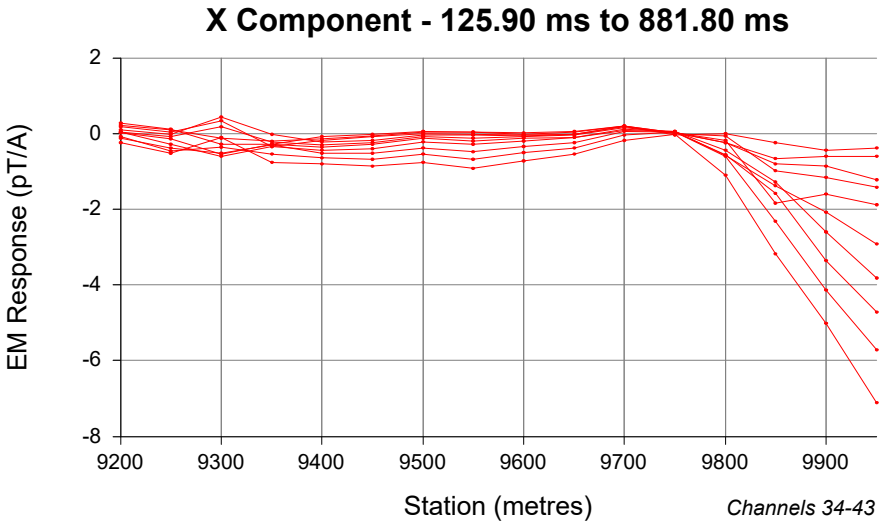
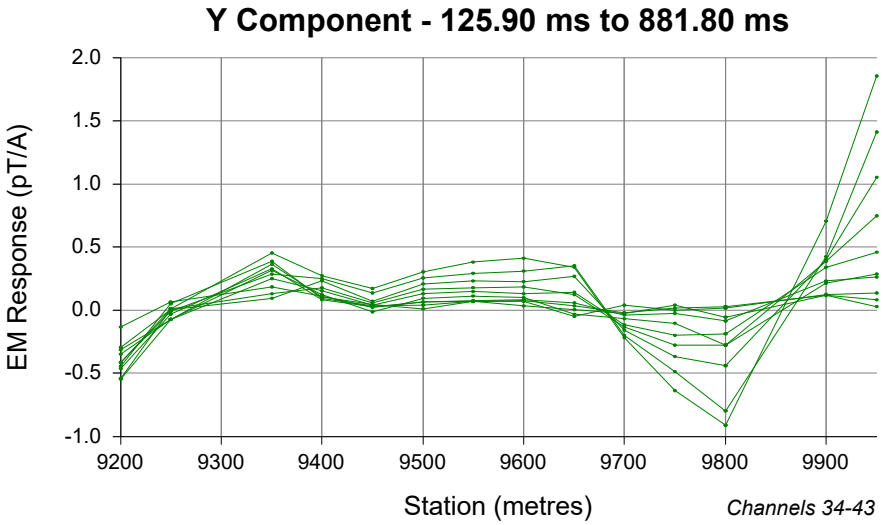
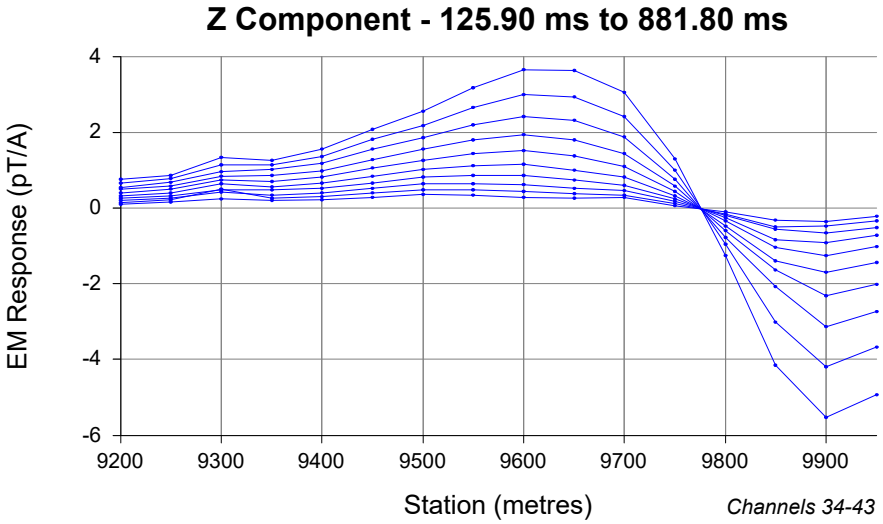








SURVEY PARAMETERS

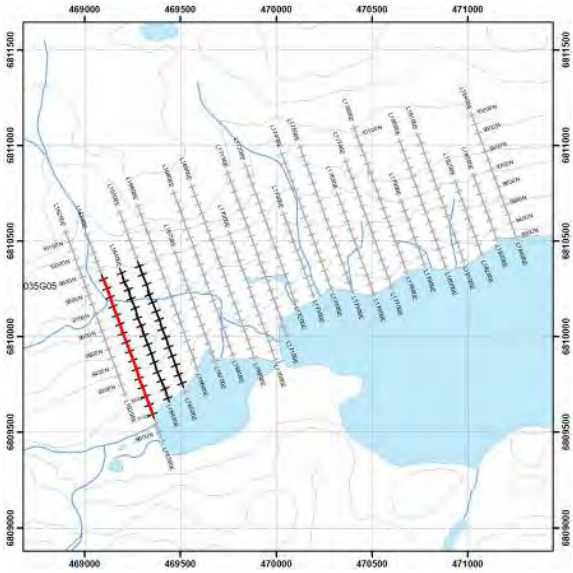
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16300E

Surveyed By: Joseph Cook
Survey Date: August 2021

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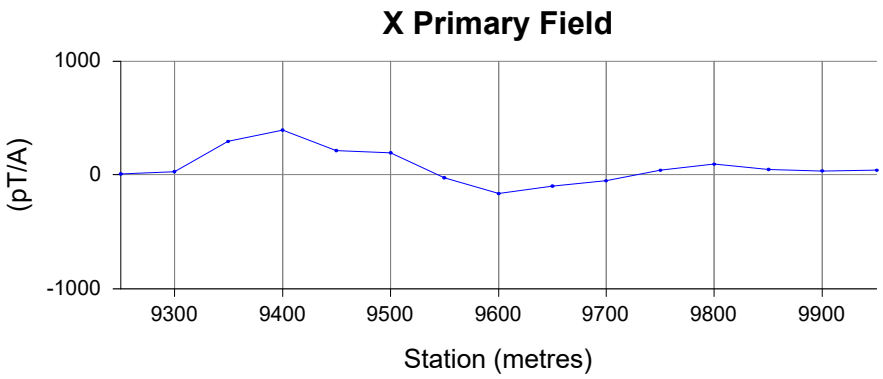
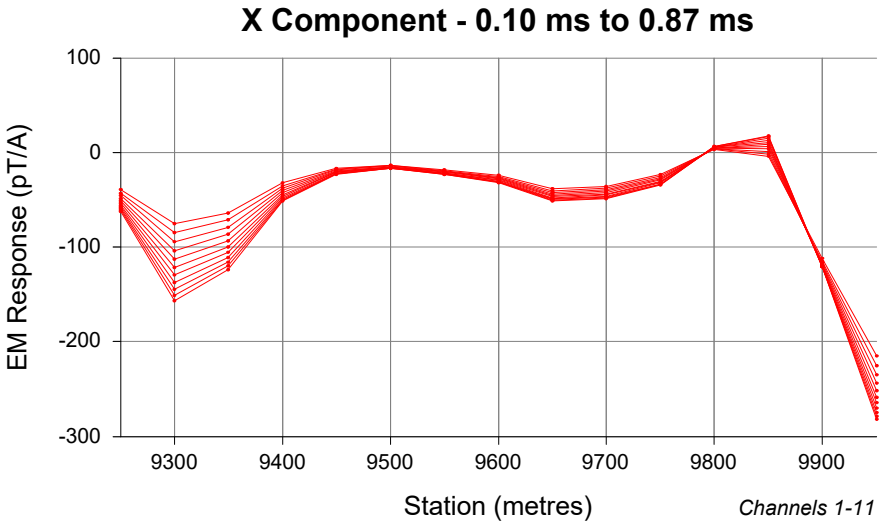
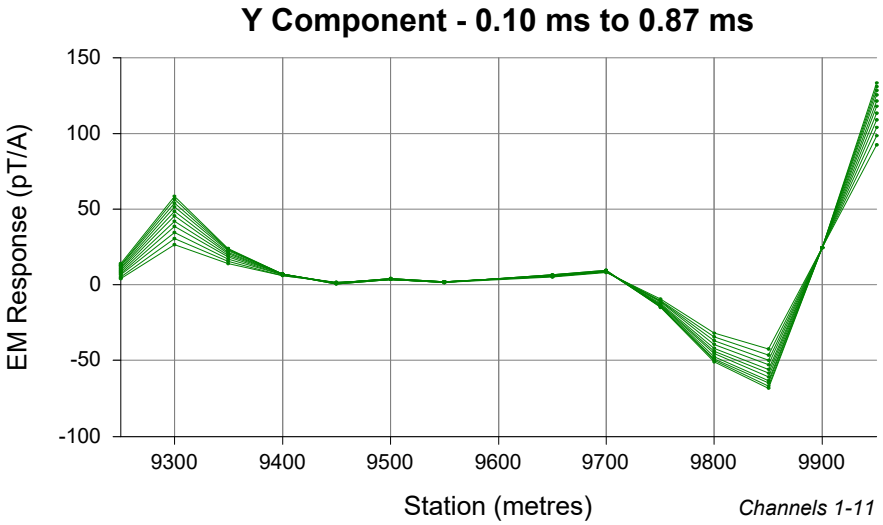
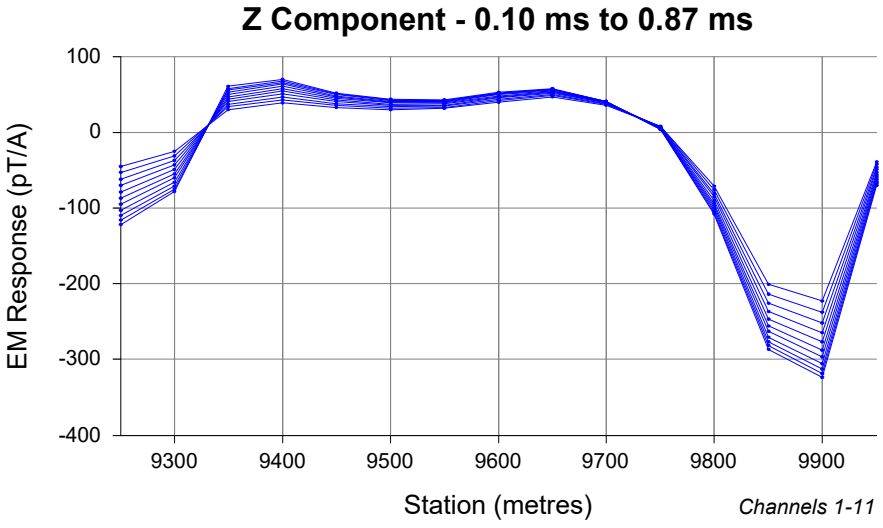








SURVEY PARAMETERS

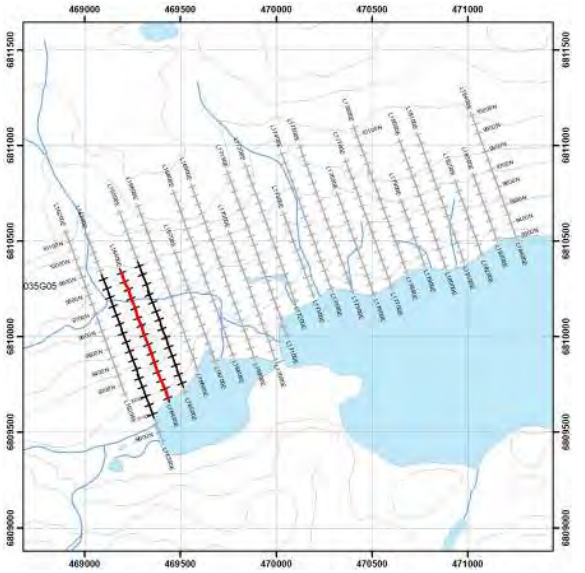
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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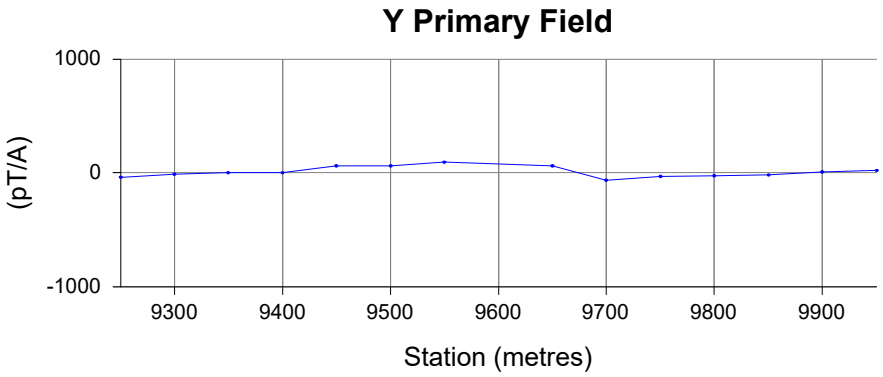
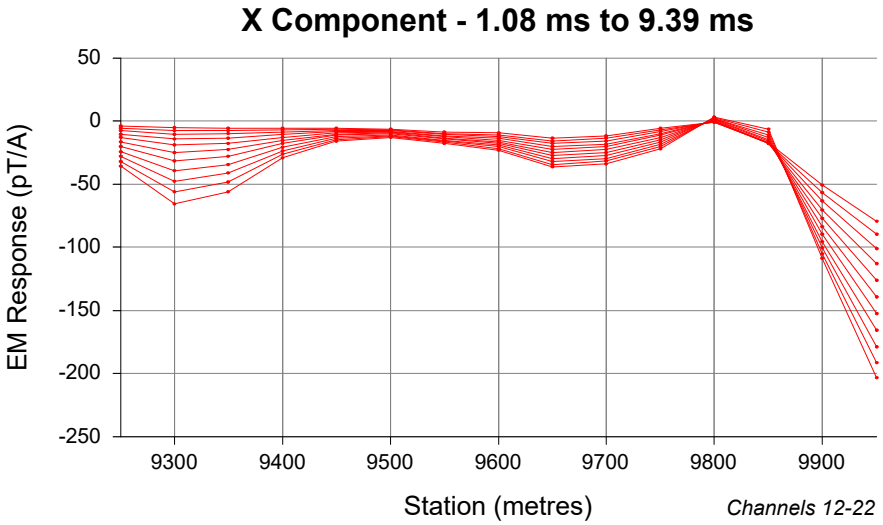
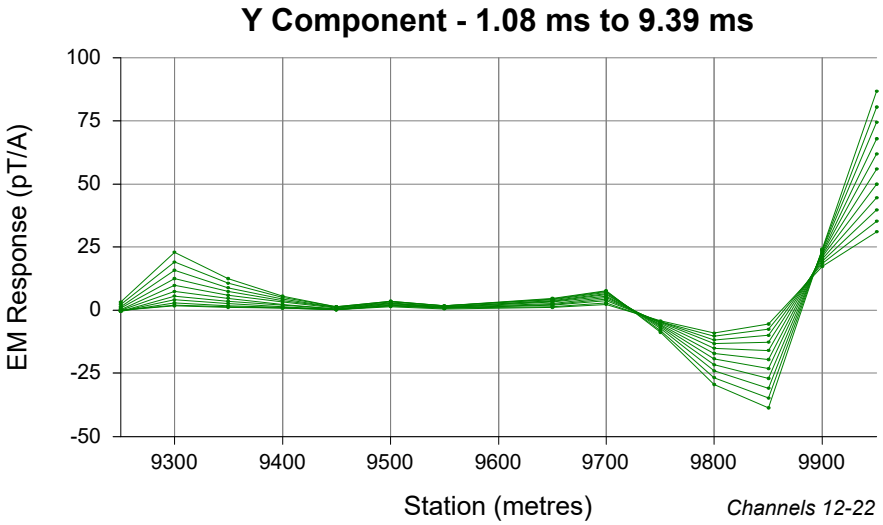
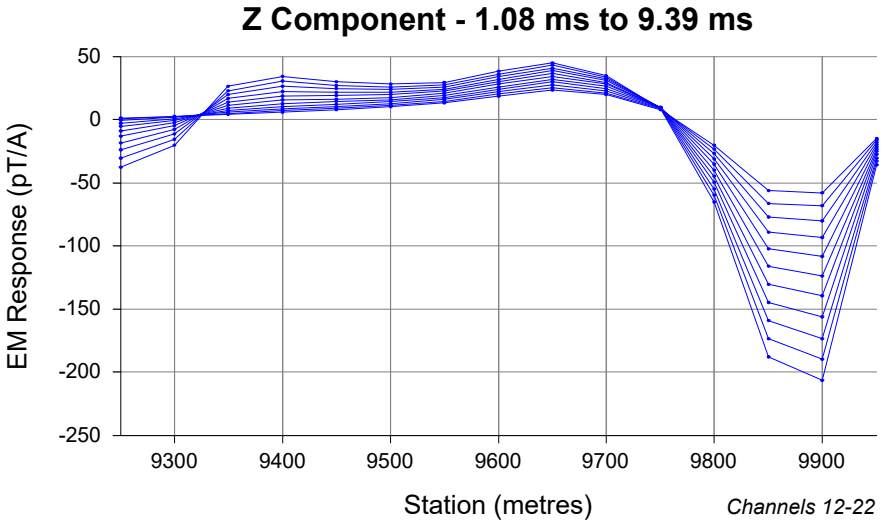








SURVEY PARAMETERS

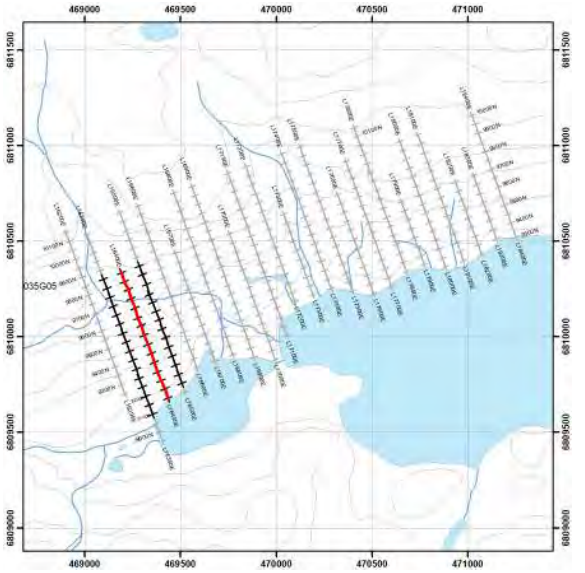
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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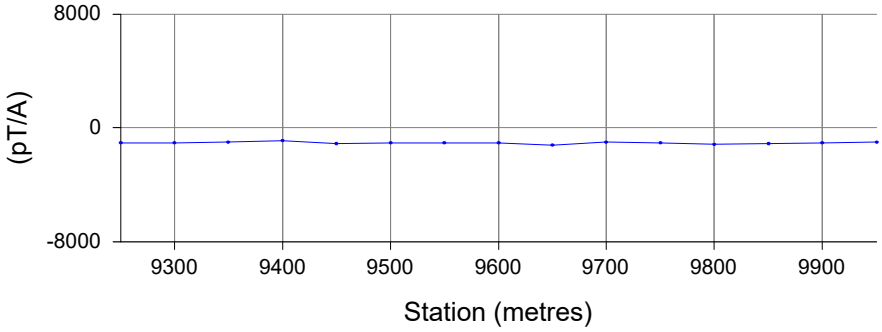
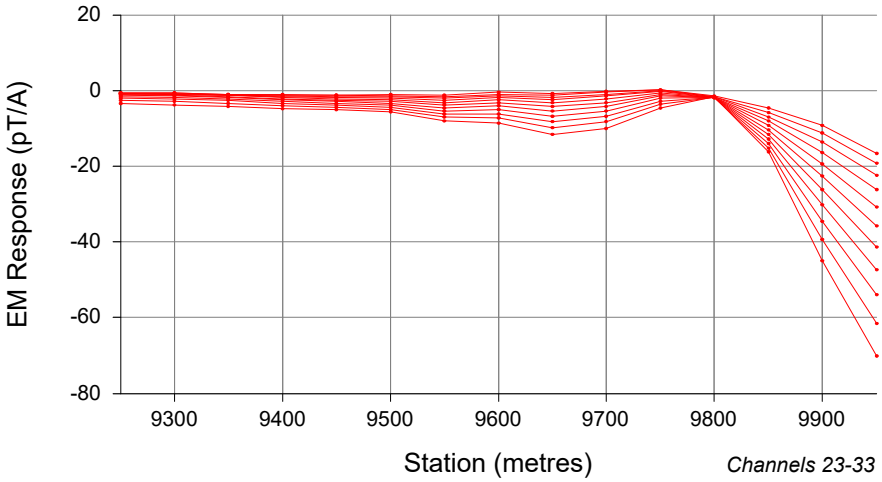
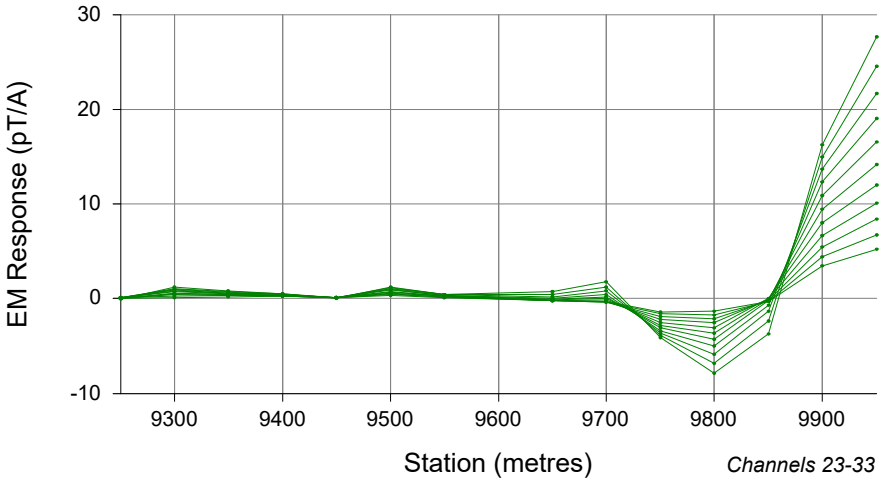
Z Primary Field



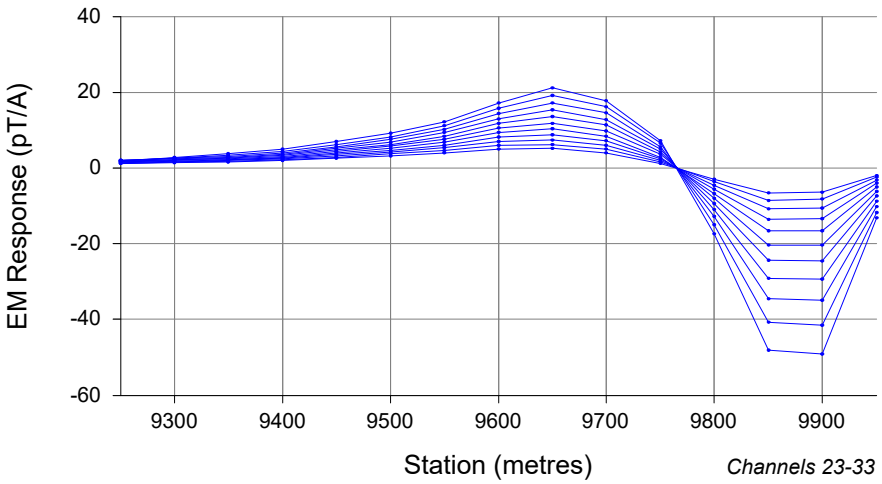
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

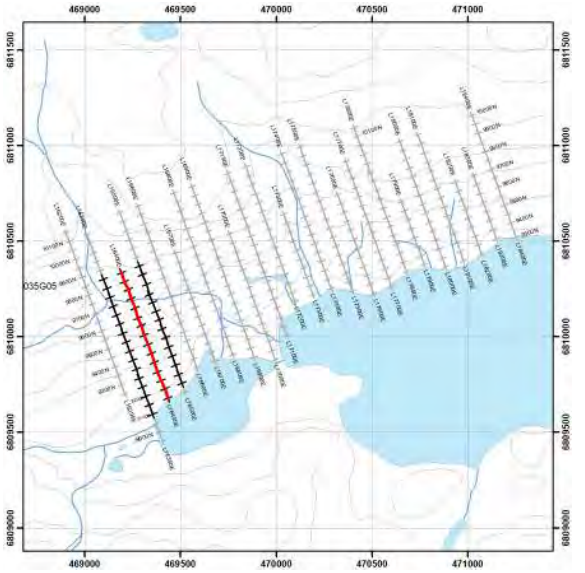
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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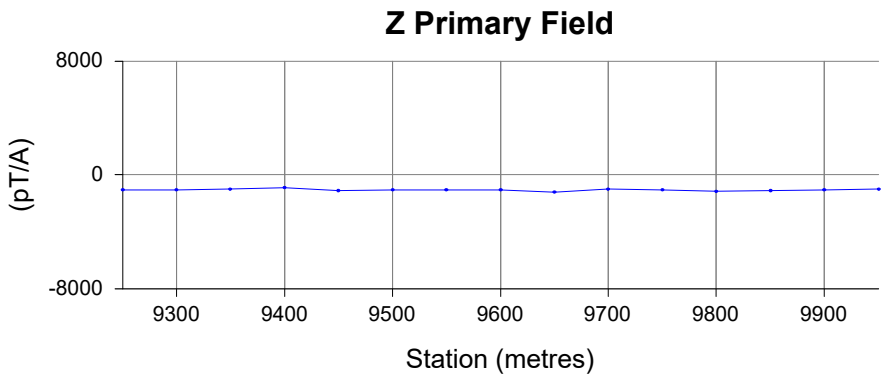
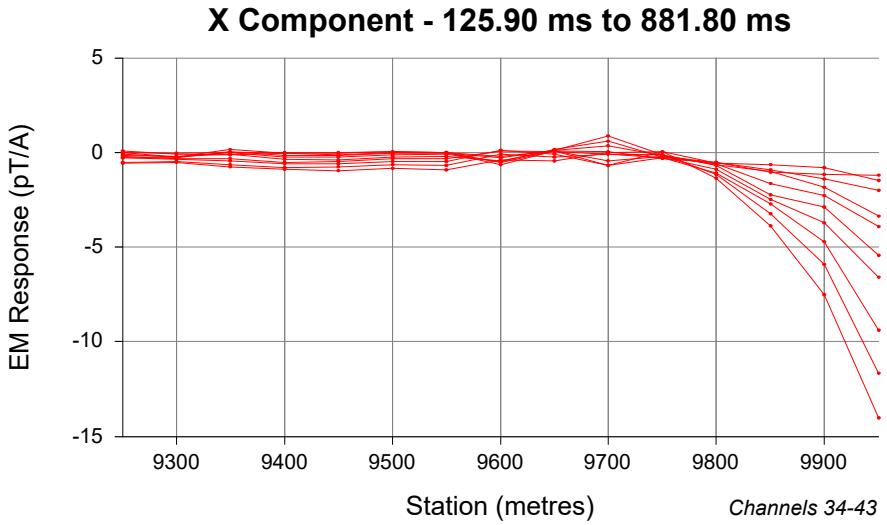
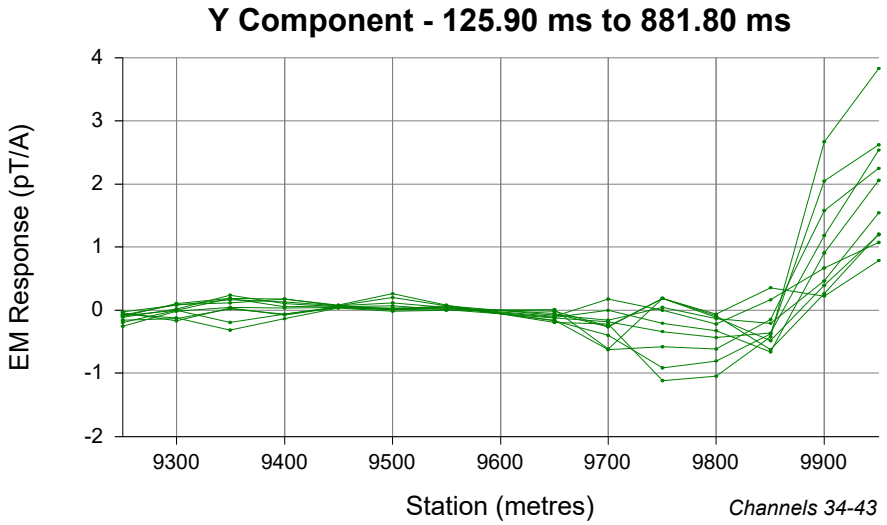
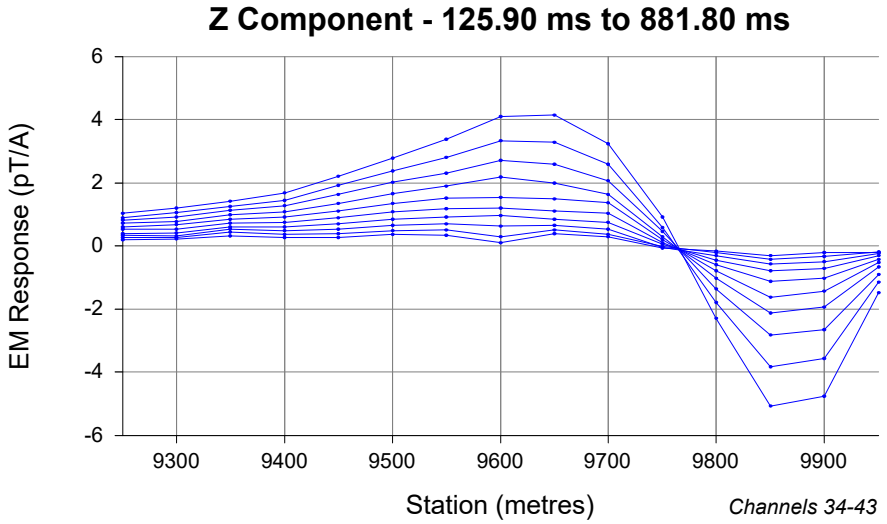








SURVEY PARAMETERS

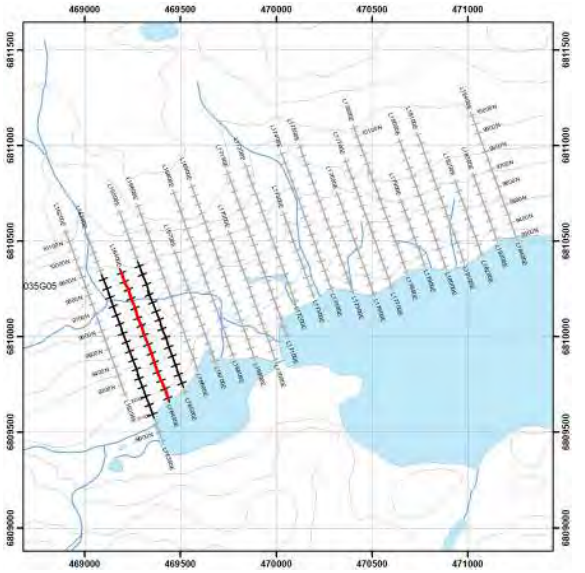
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16400E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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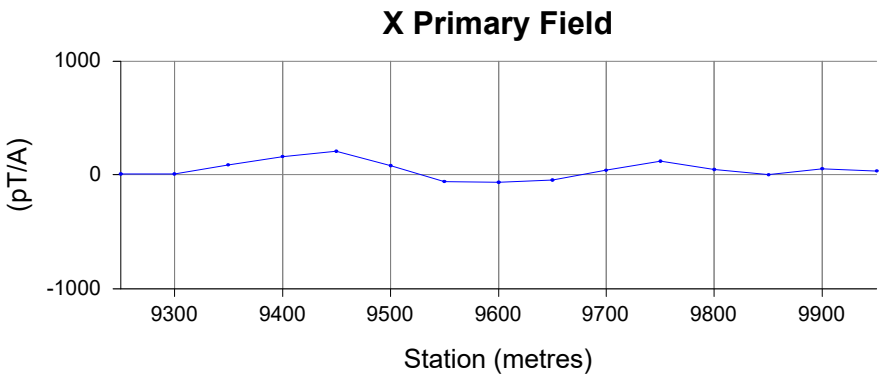
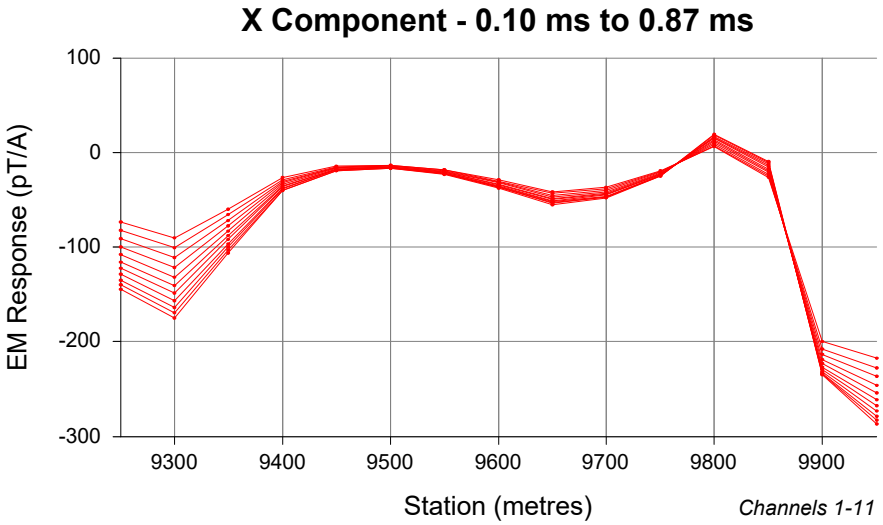
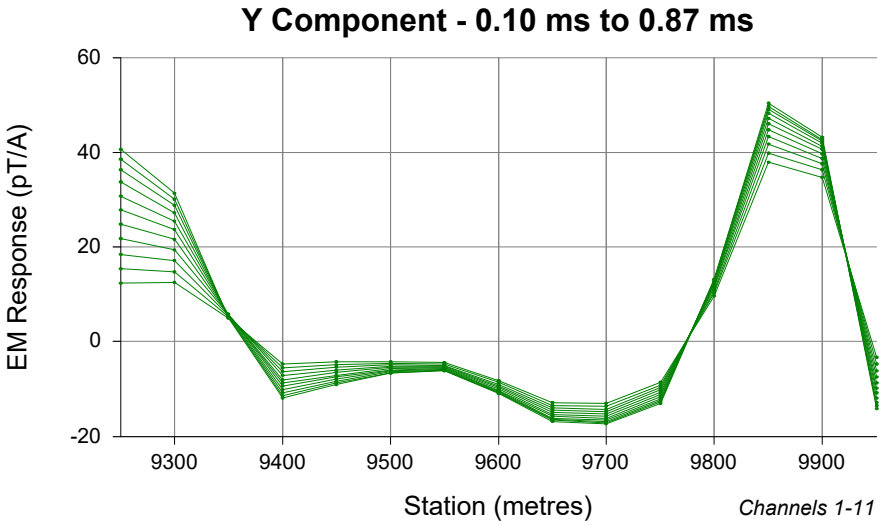
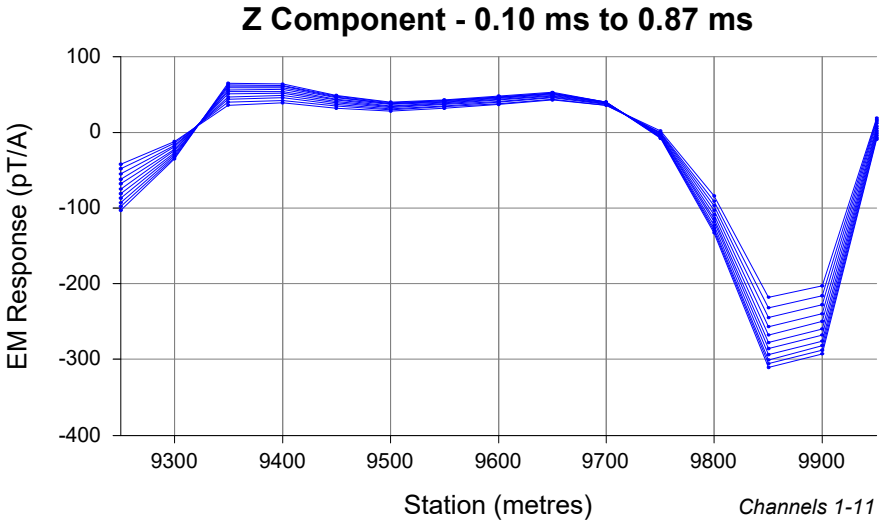








SURVEY PARAMETERS

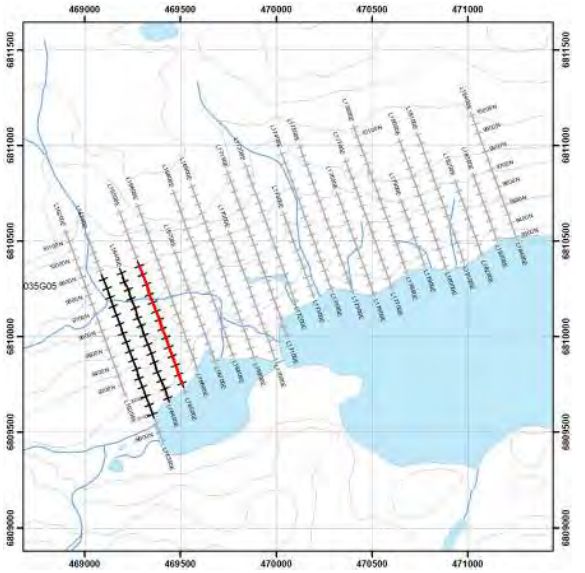
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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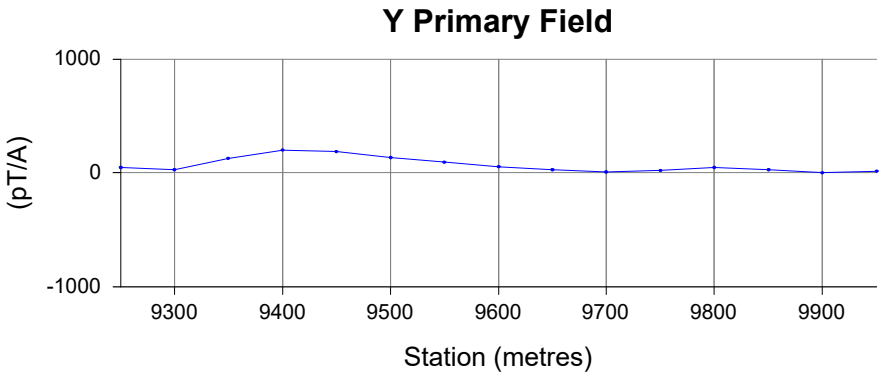
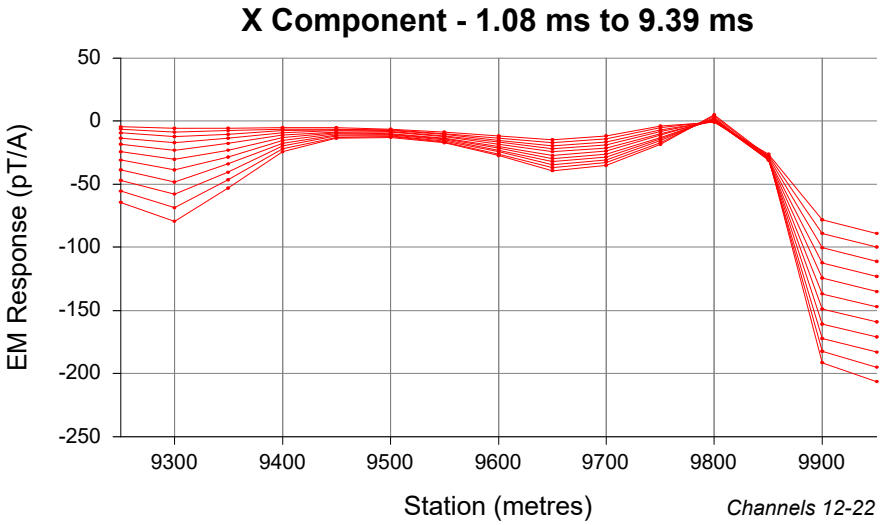
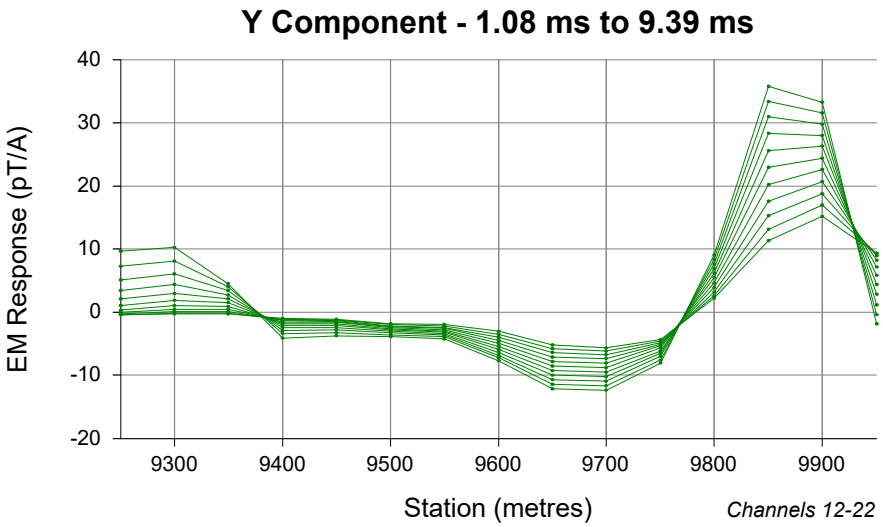
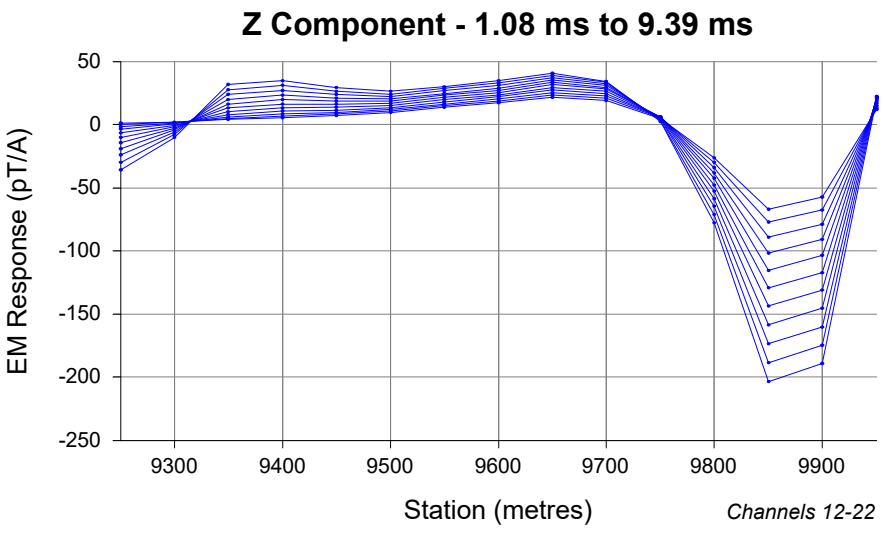








SURVEY PARAMETERS

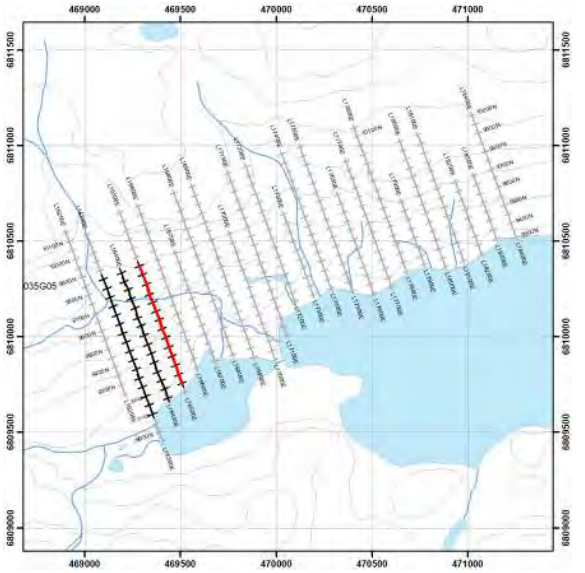
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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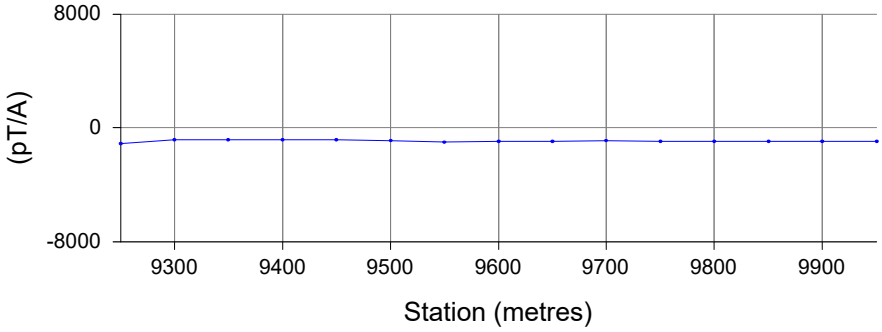
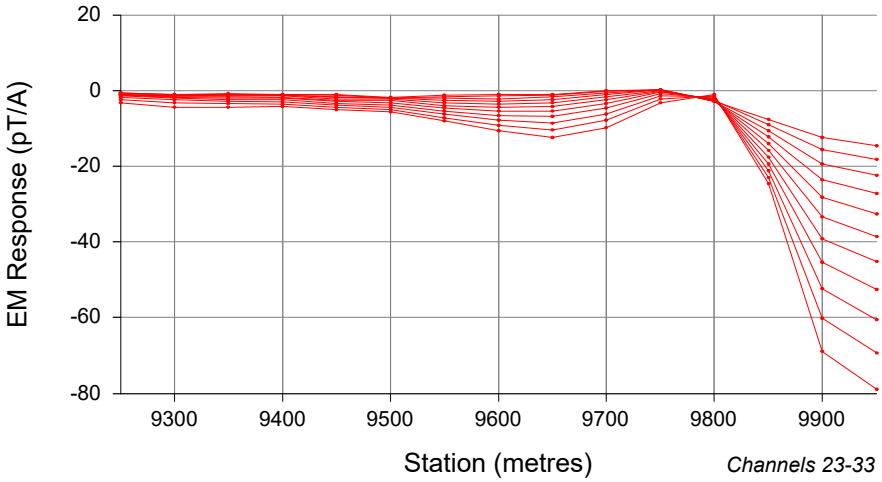
Z Primary Field

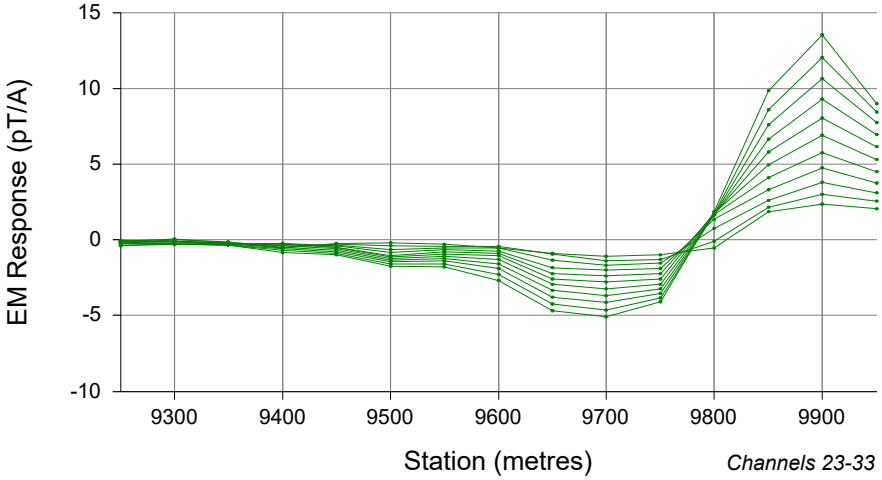


X Component - 11.66 ms to 101.40 ms



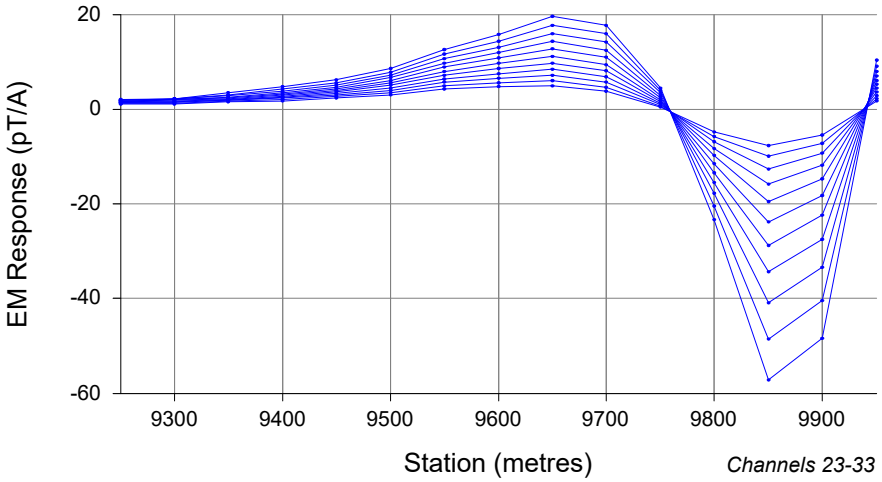
Channels 23-33

Y Component - 11.66 ms to 101.40 ms



Channels 23-33

Z Component - 11.66 ms to 101.40 ms



Channels 23-33

SURVEY PARAMETERS

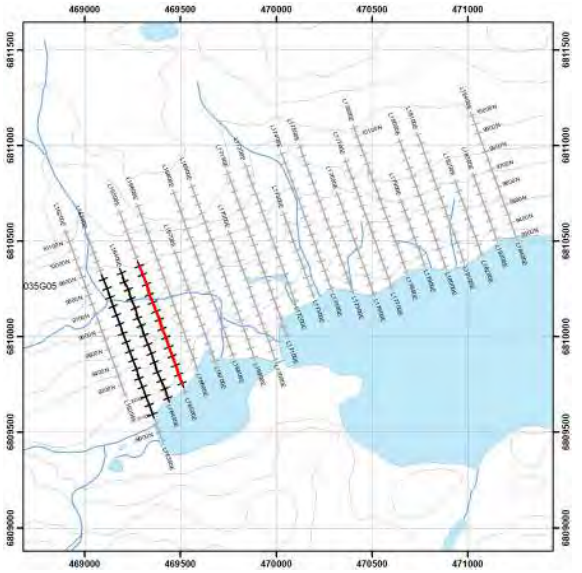
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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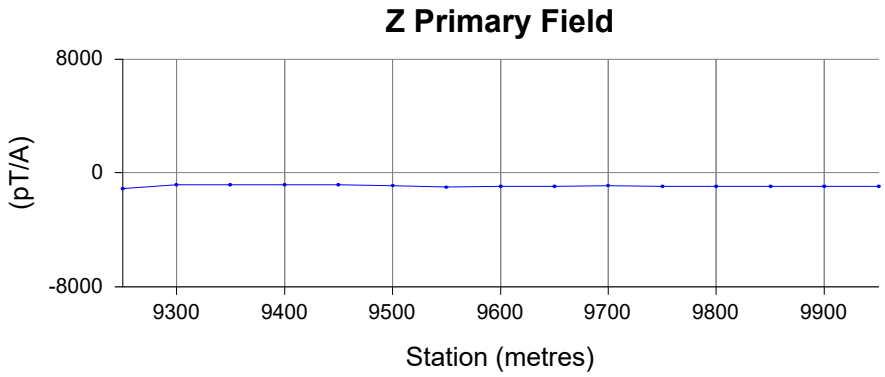
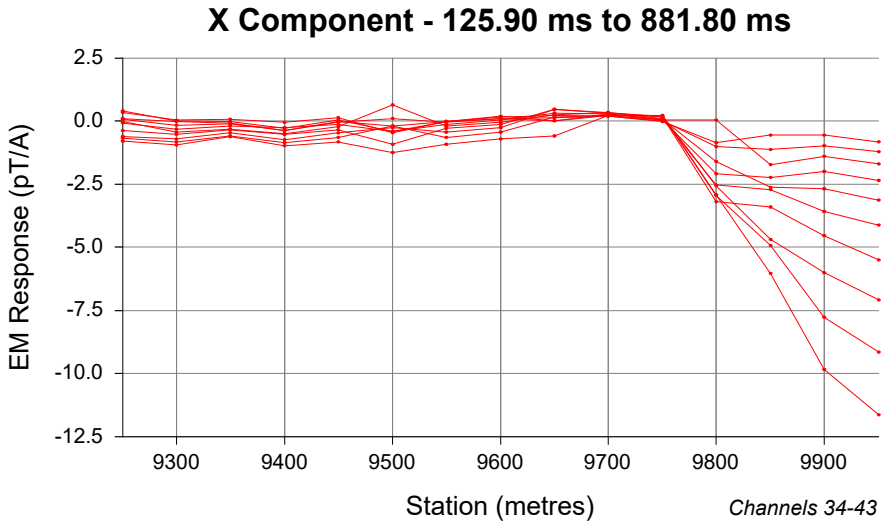
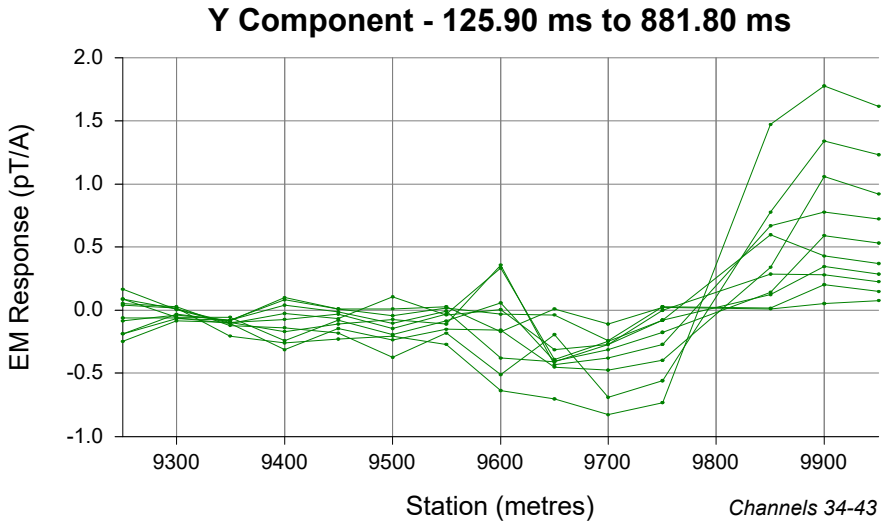
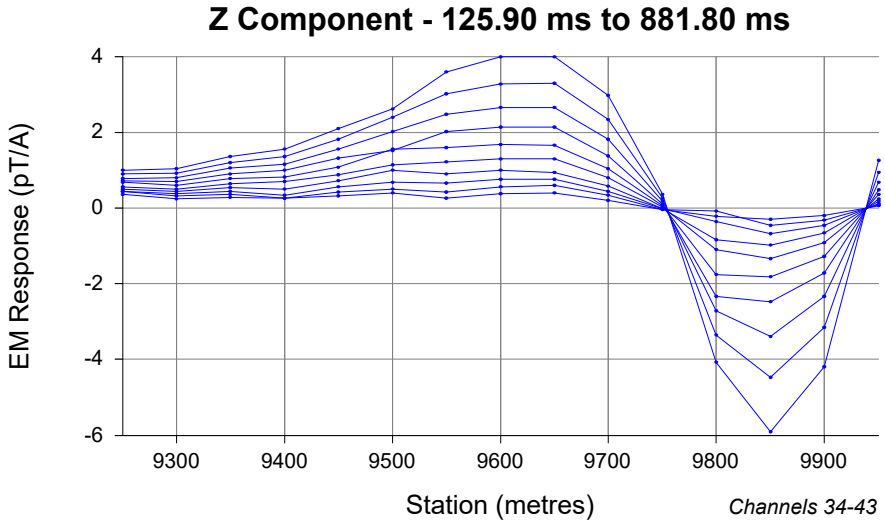








SURVEY PARAMETERS

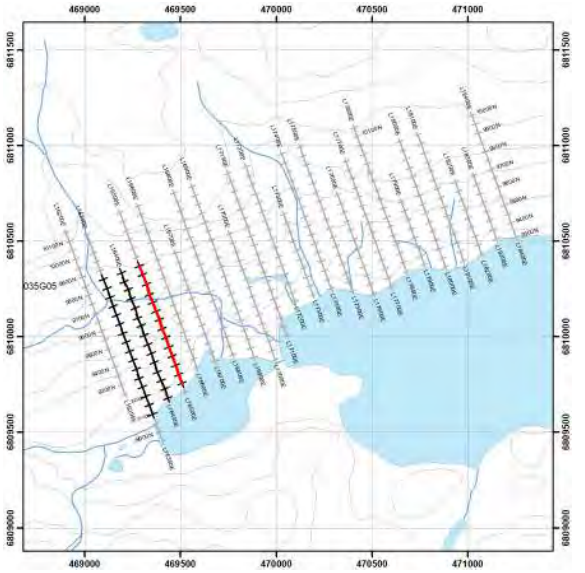
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16500E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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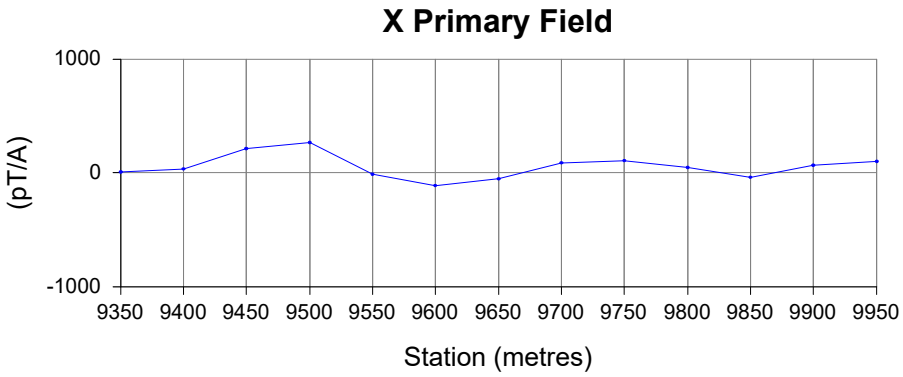
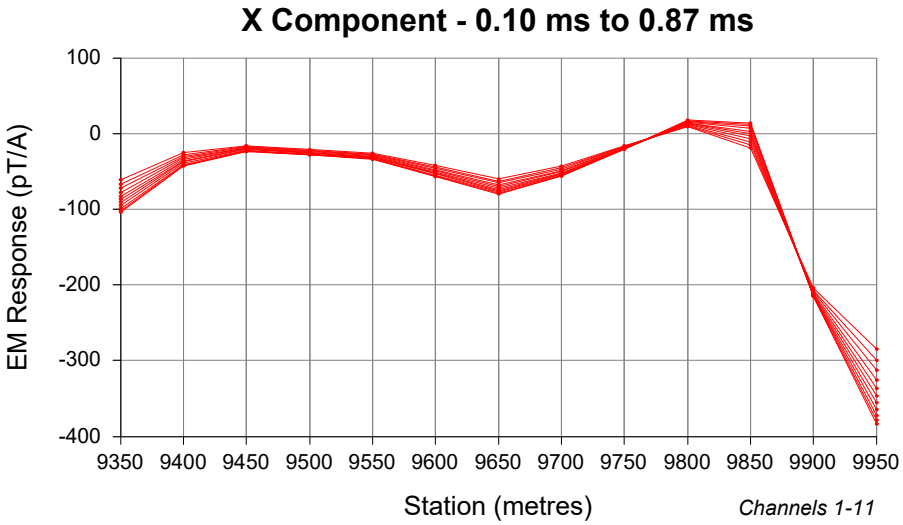
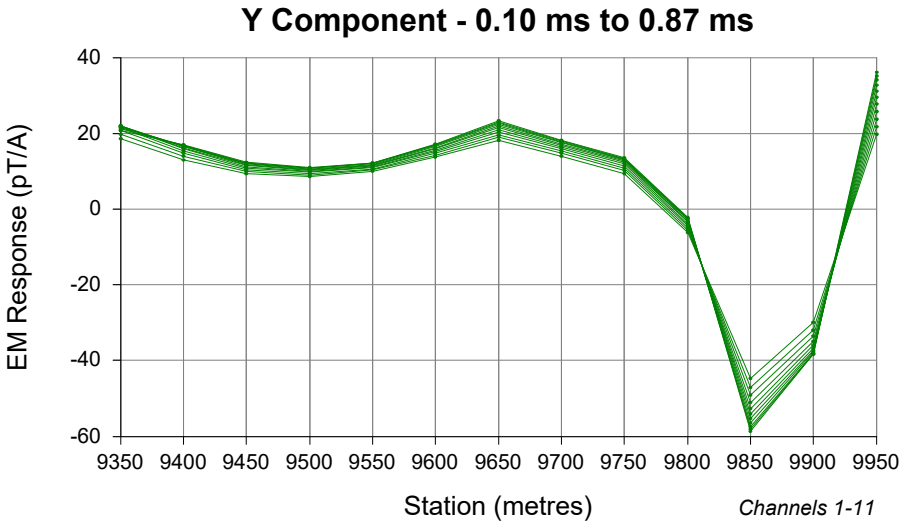
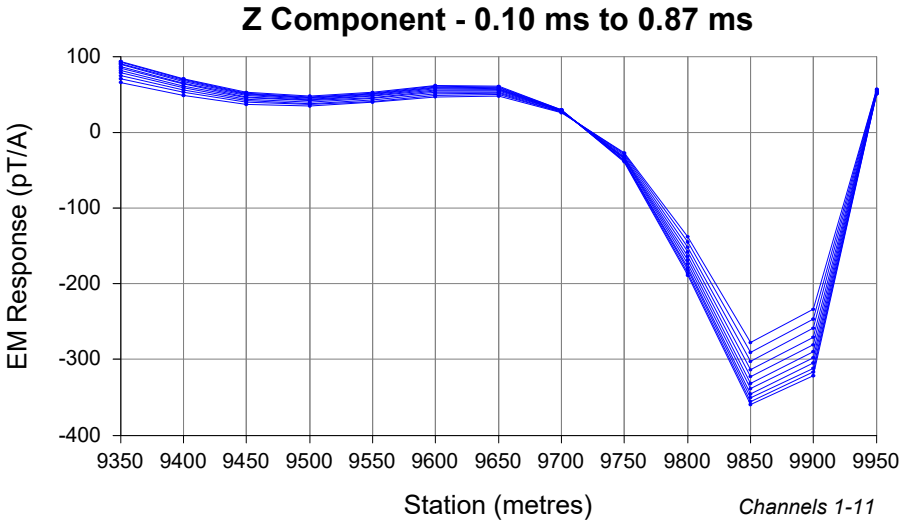








SURVEY PARAMETERS

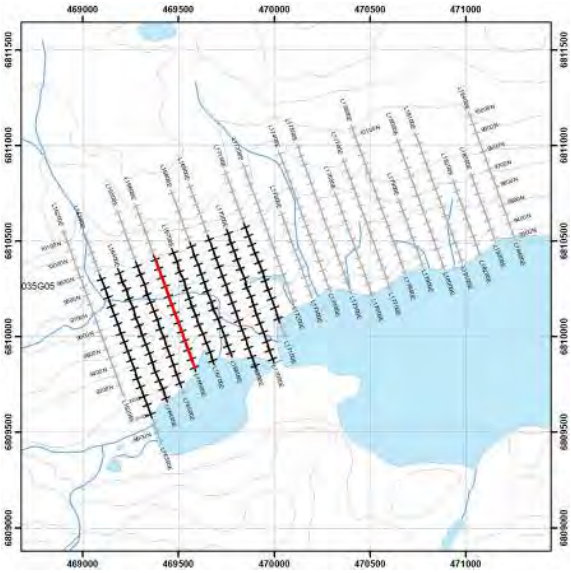
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: August 2021

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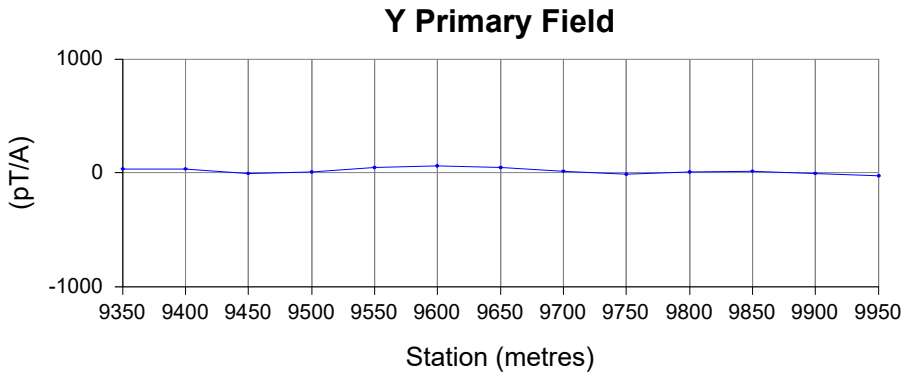
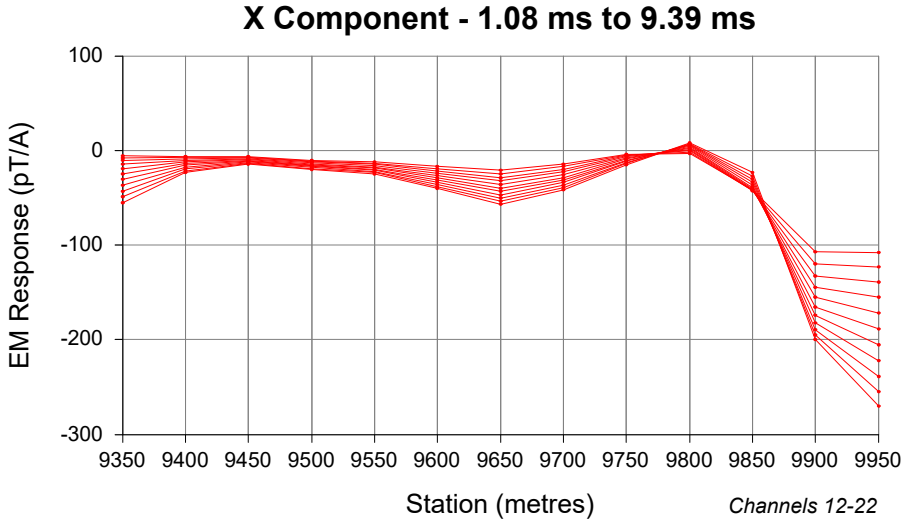
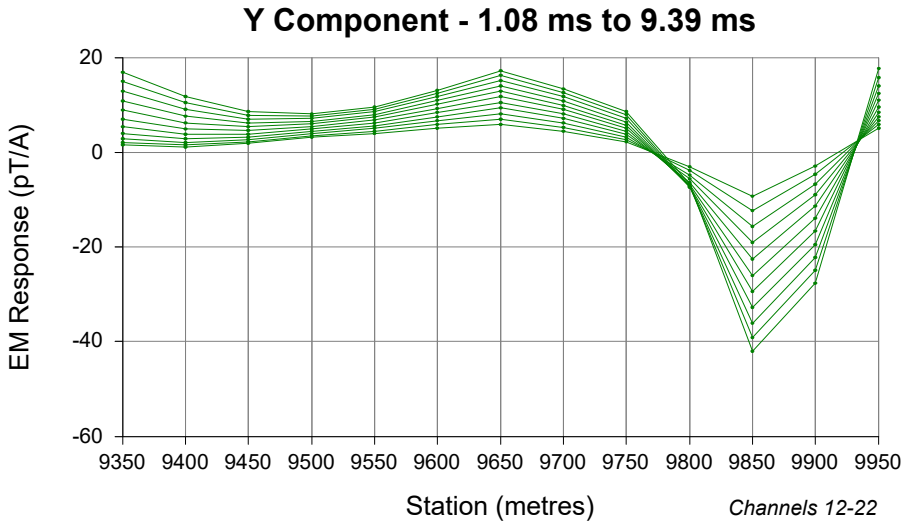
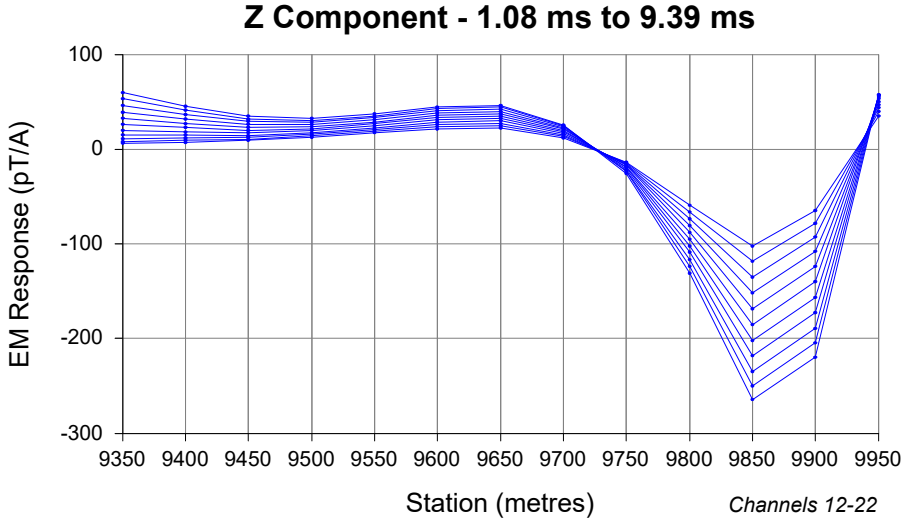








SURVEY PARAMETERS

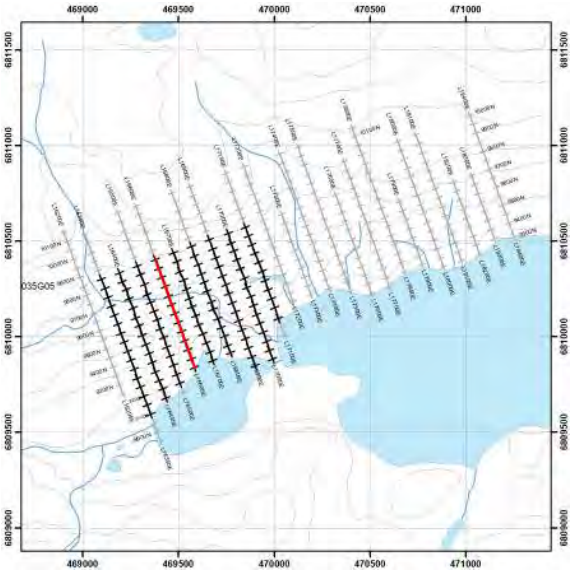
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: August 2021

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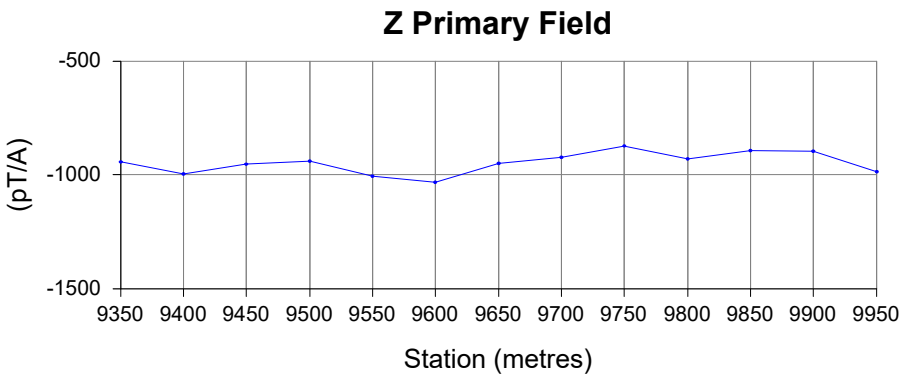
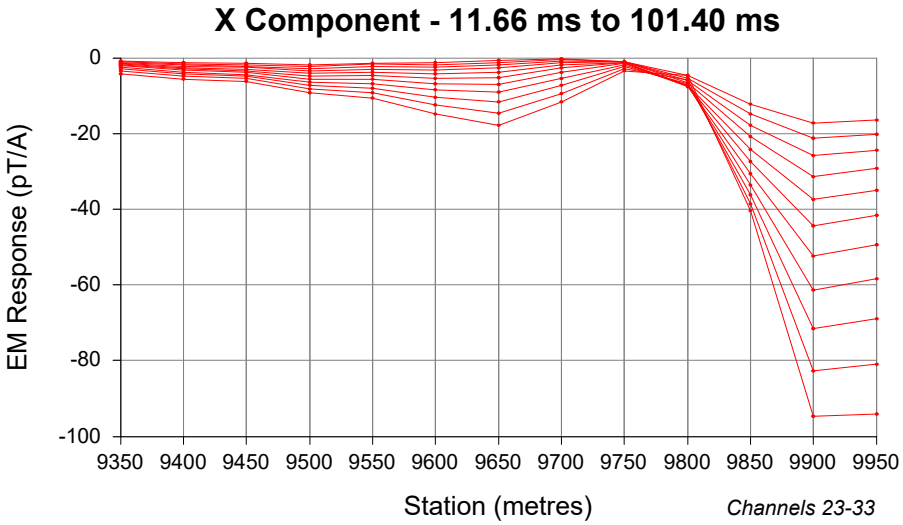
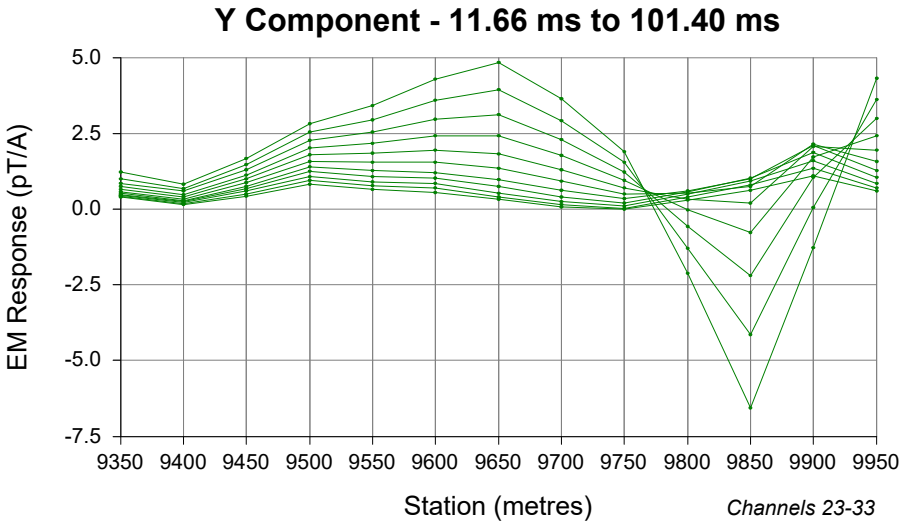
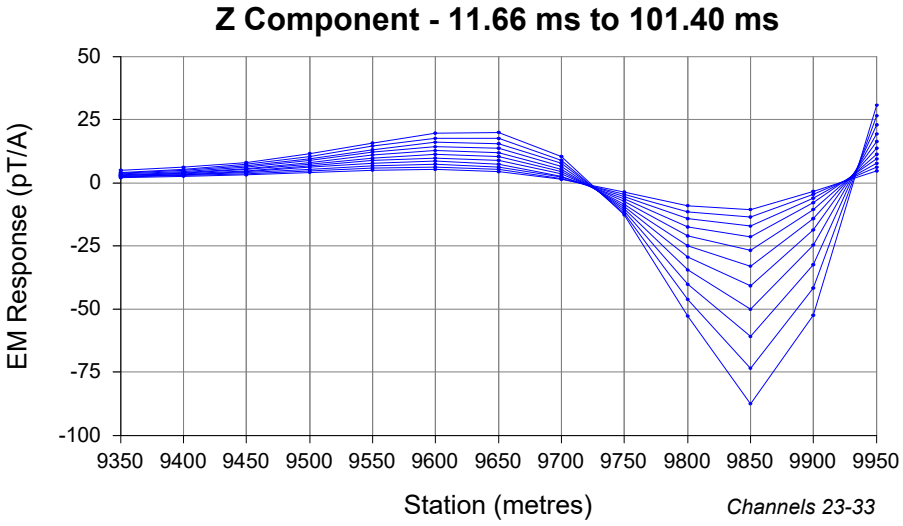








SURVEY PARAMETERS

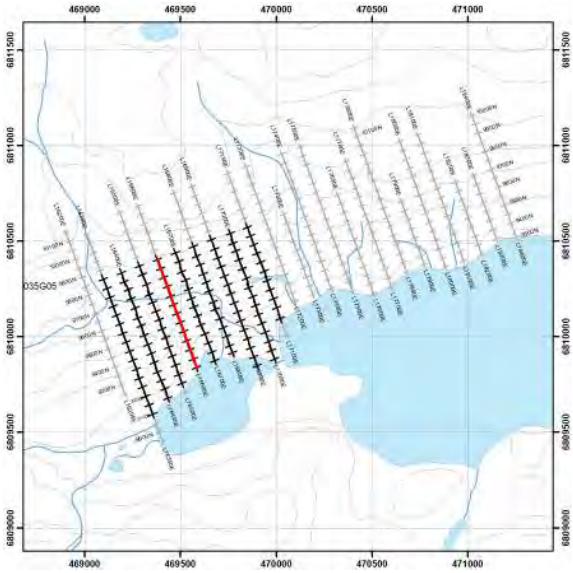
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: August 2021

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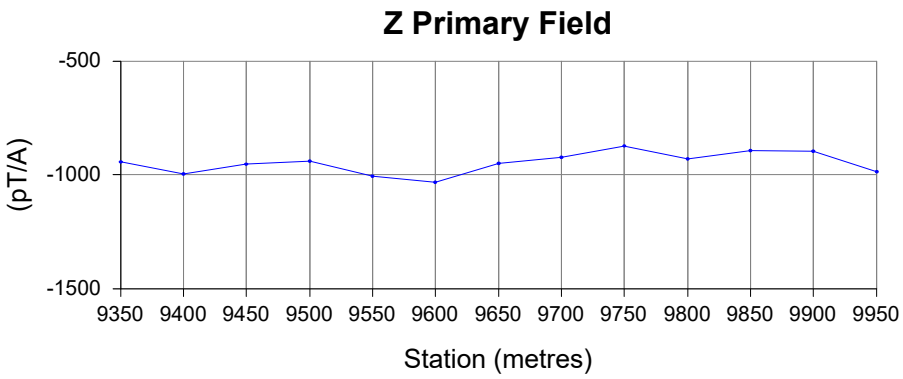
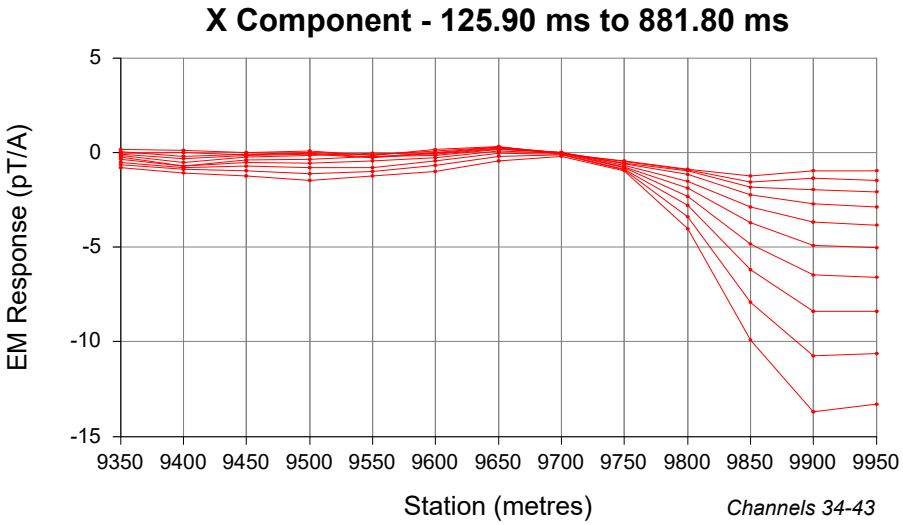
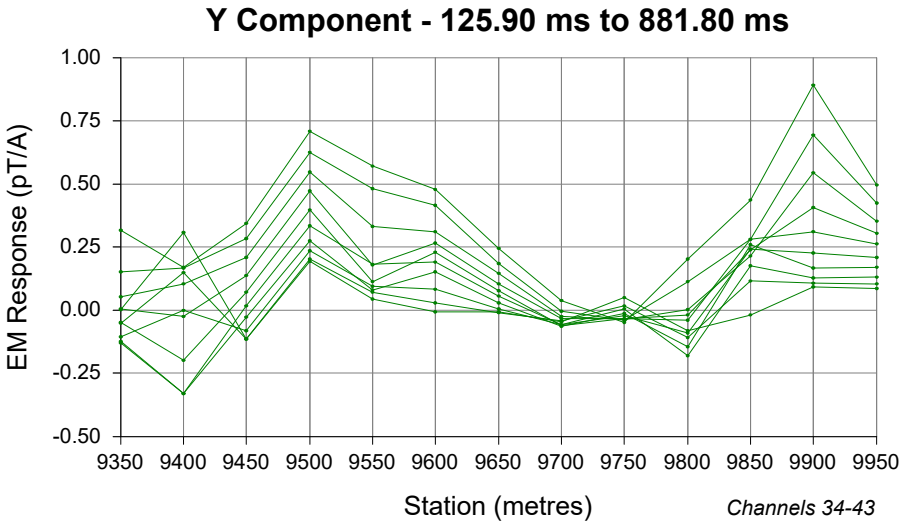
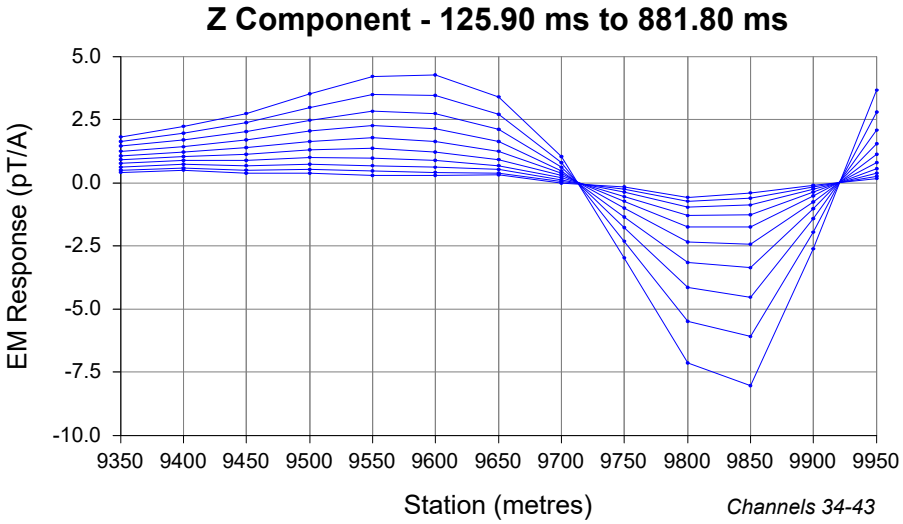








SURVEY PARAMETERS

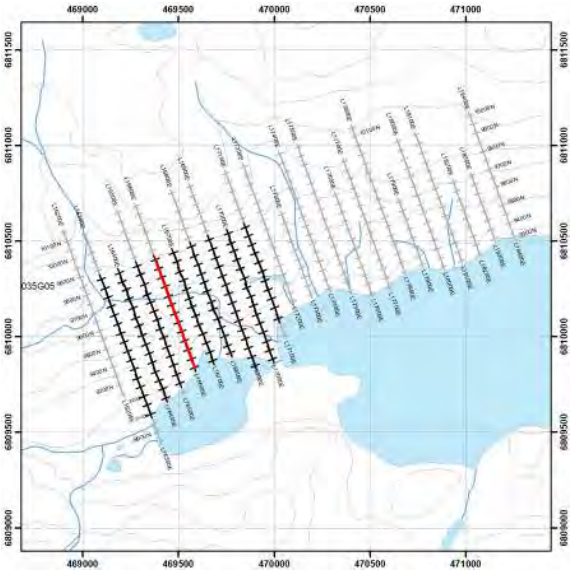
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16600E

Surveyed By: Joseph Cook
Survey Date: August 2021

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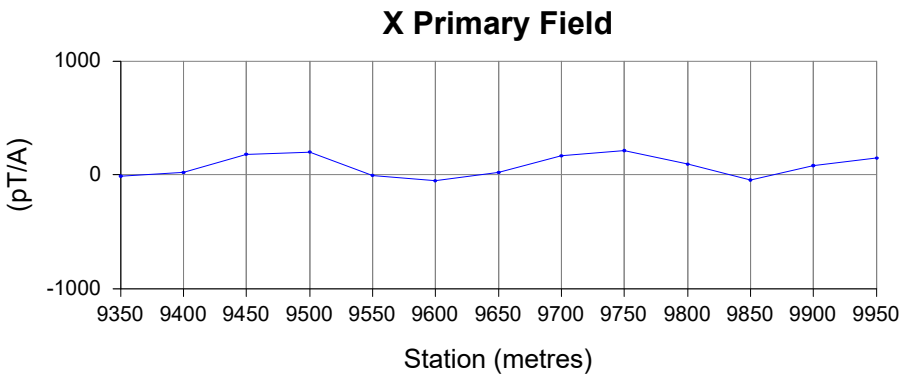
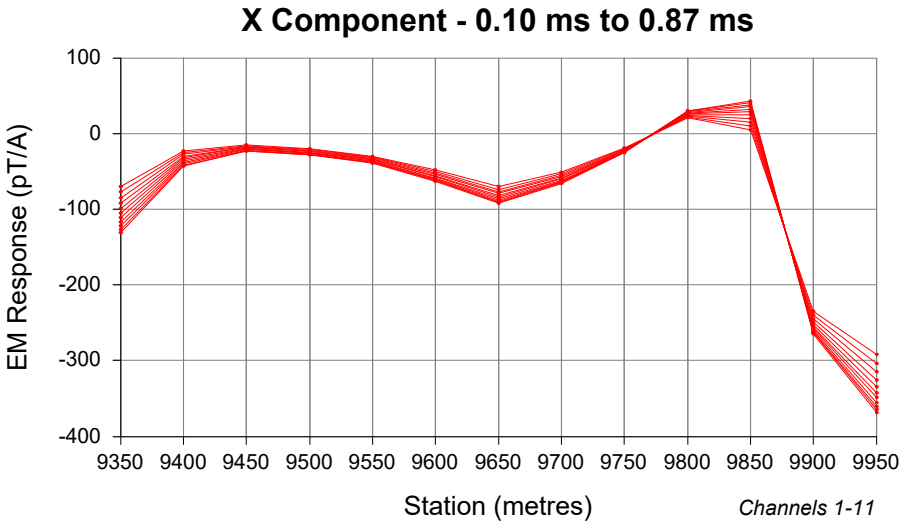
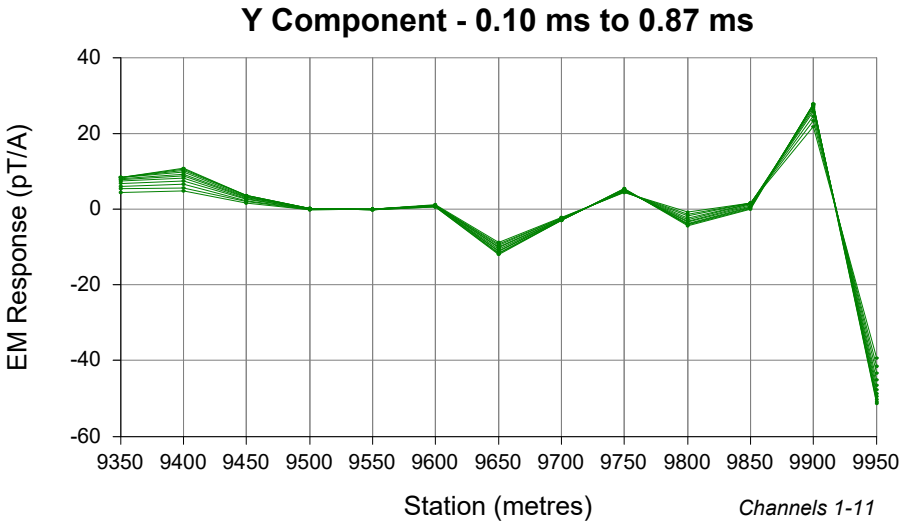
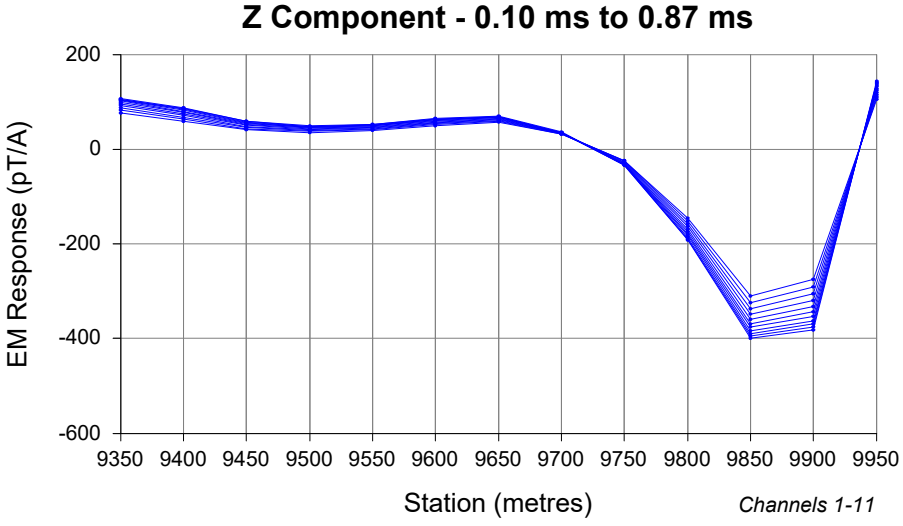








SURVEY PARAMETERS

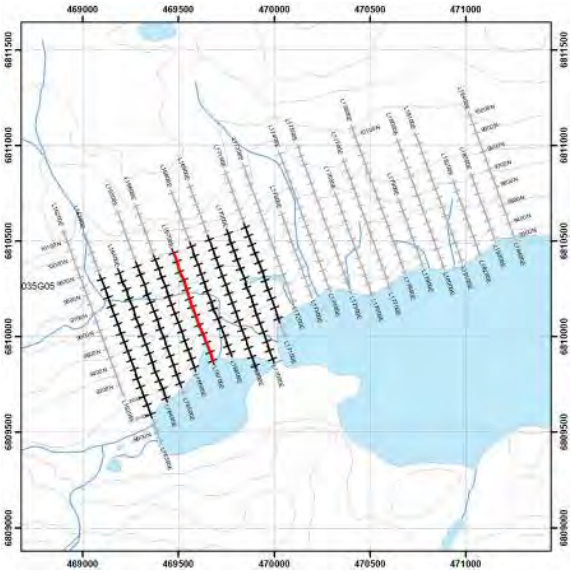
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16700E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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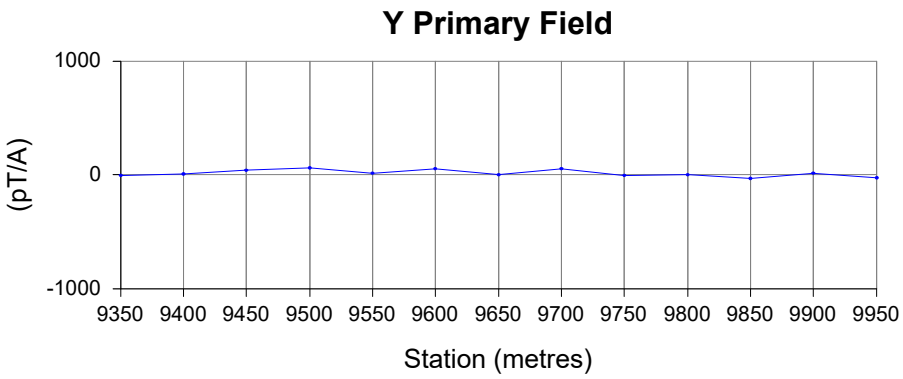
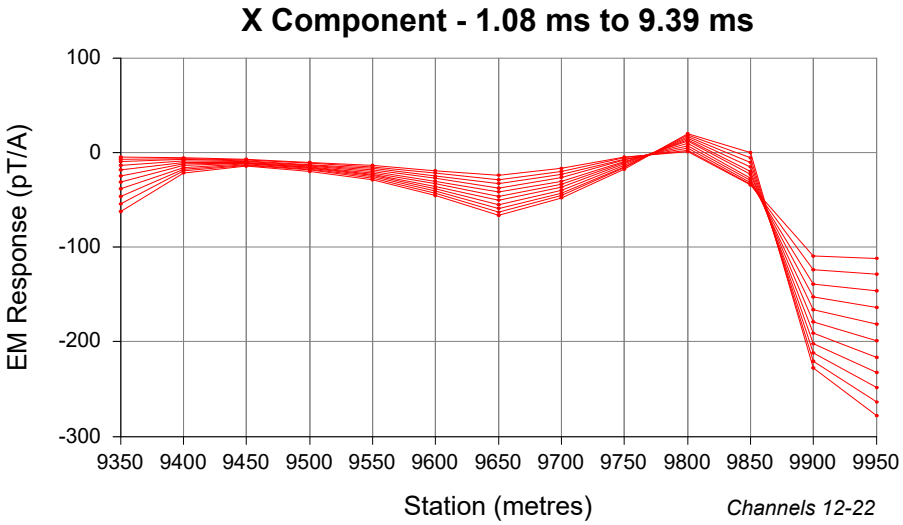
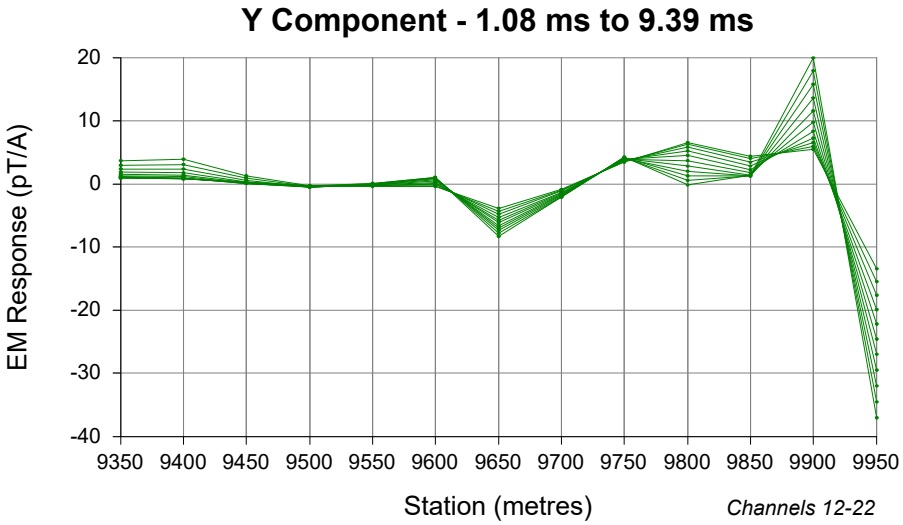
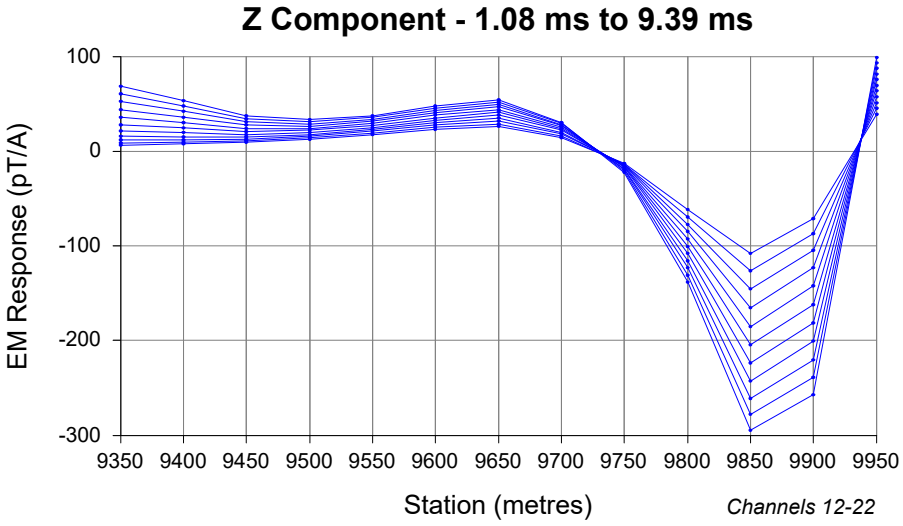








SURVEY PARAMETERS

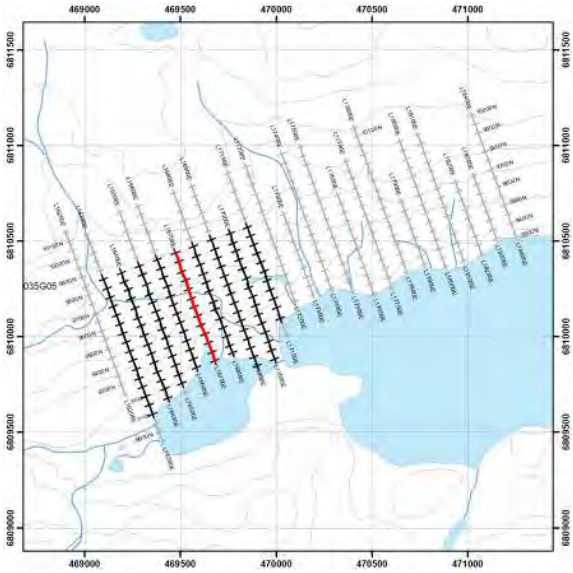
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16700E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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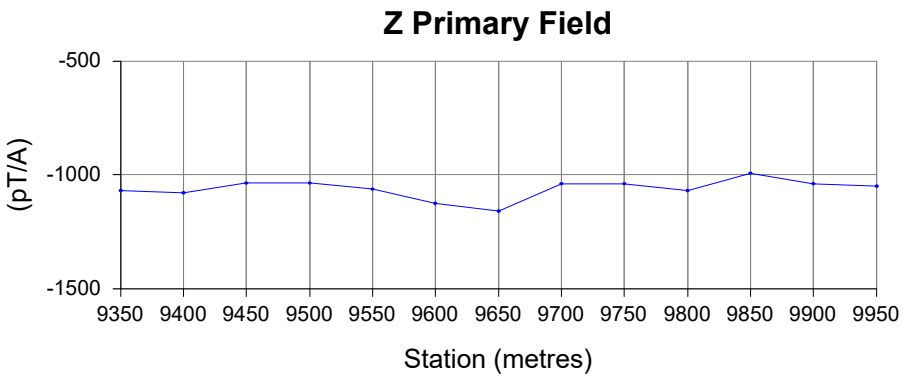
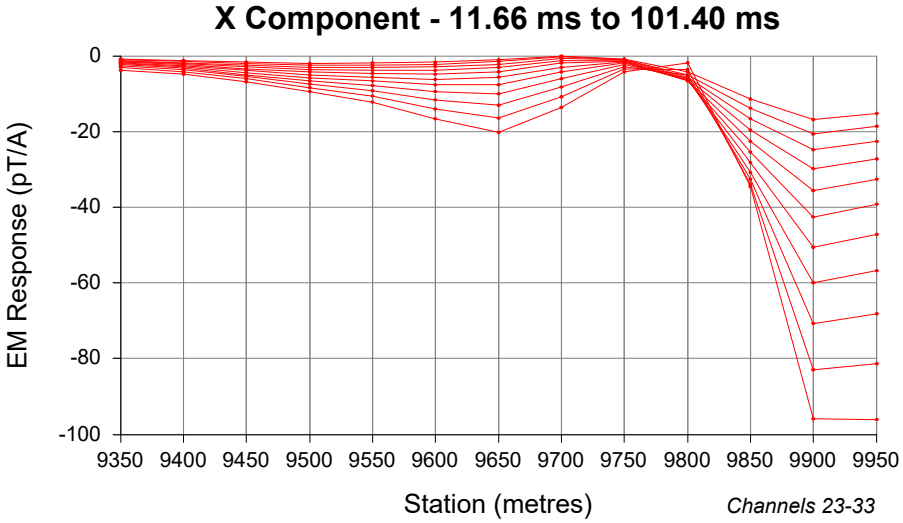
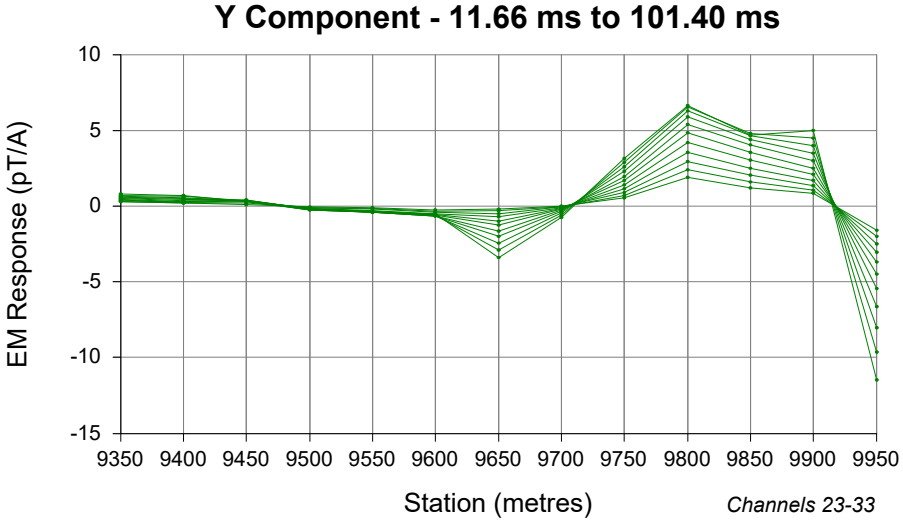
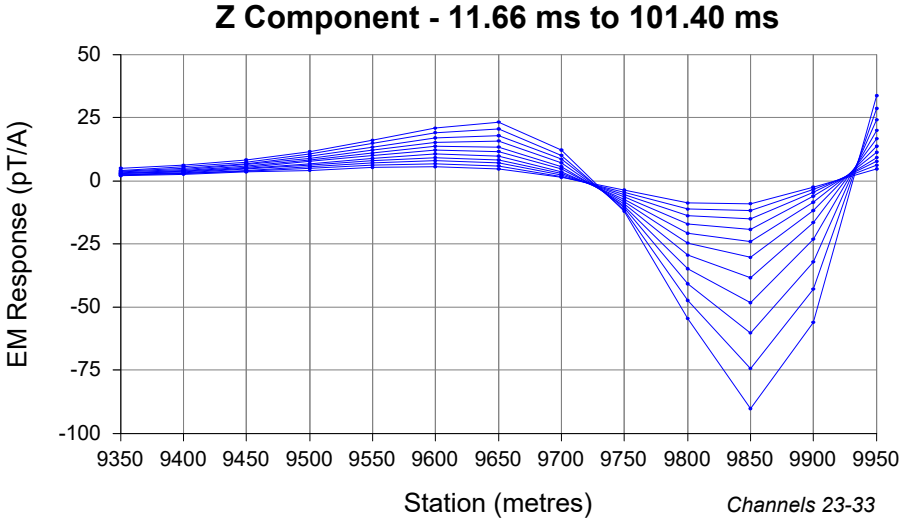








SURVEY PARAMETERS

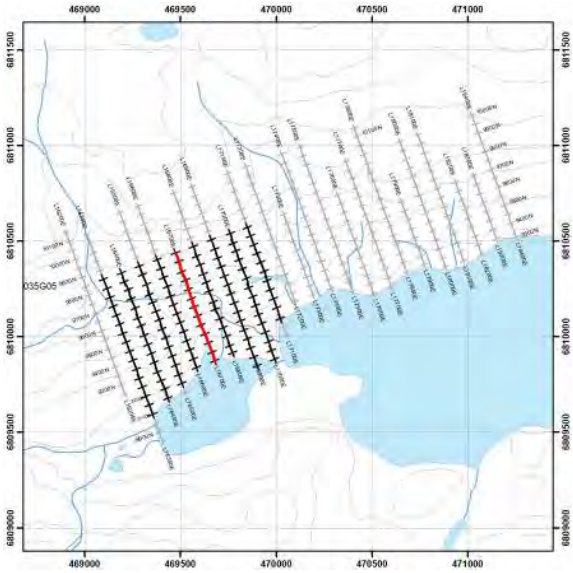
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16700E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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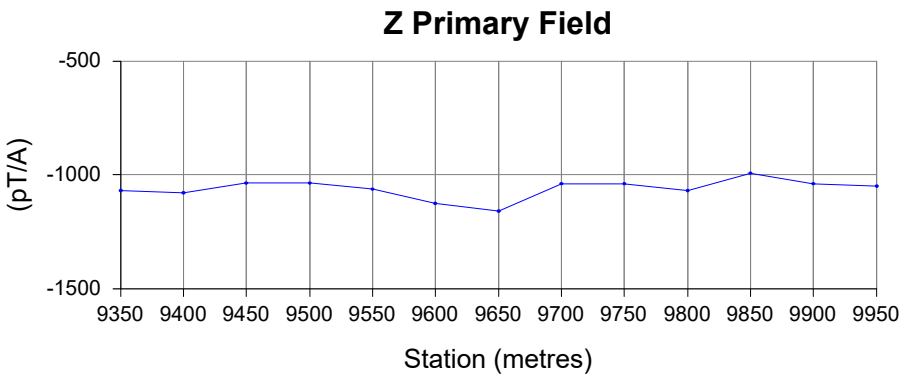
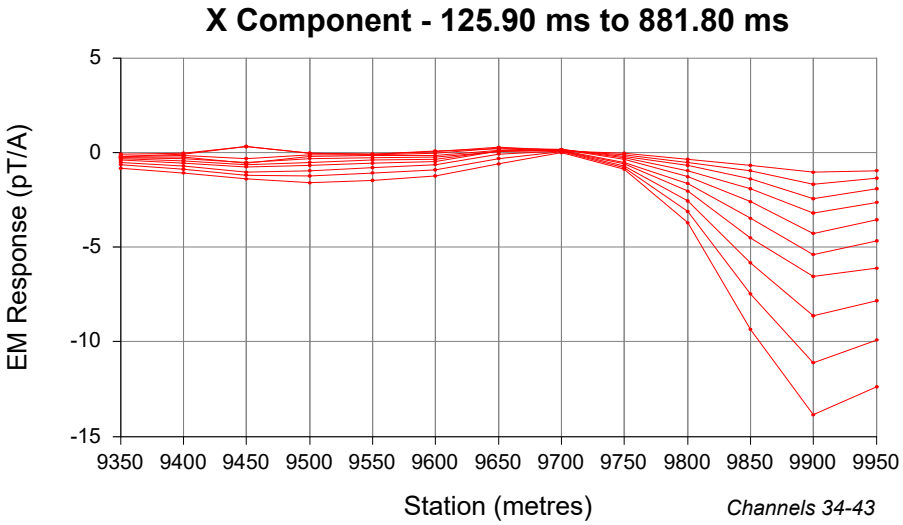
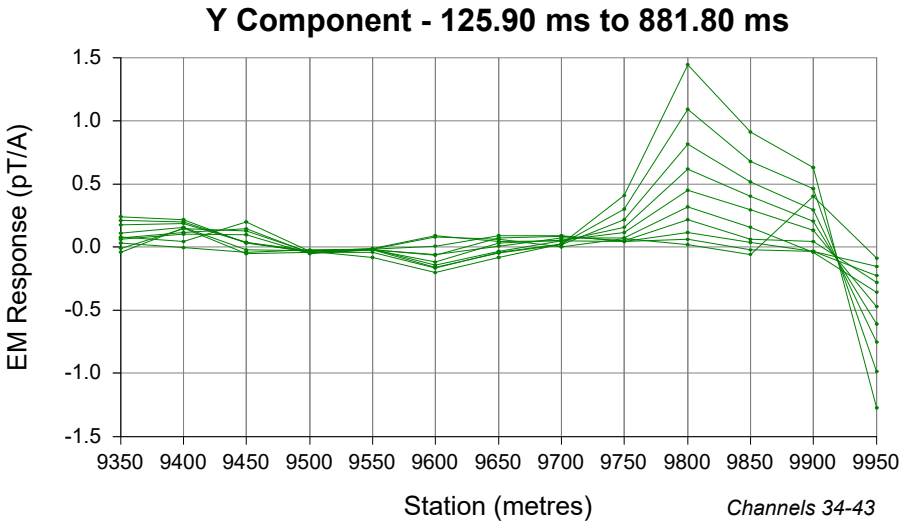
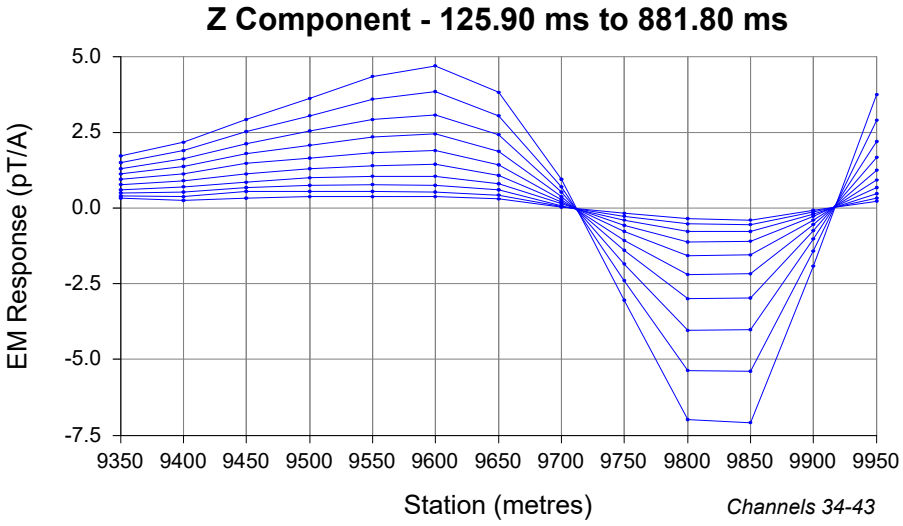








SURVEY PARAMETERS

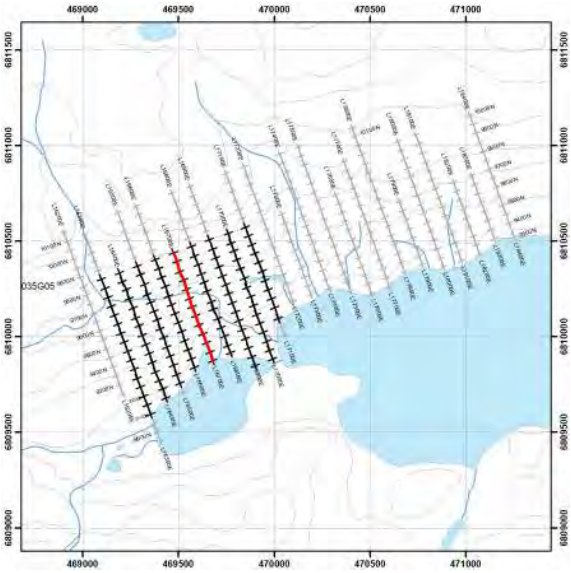
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16700E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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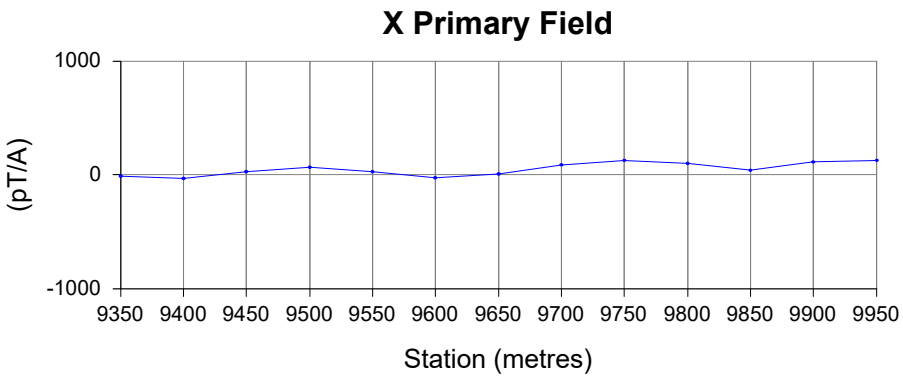
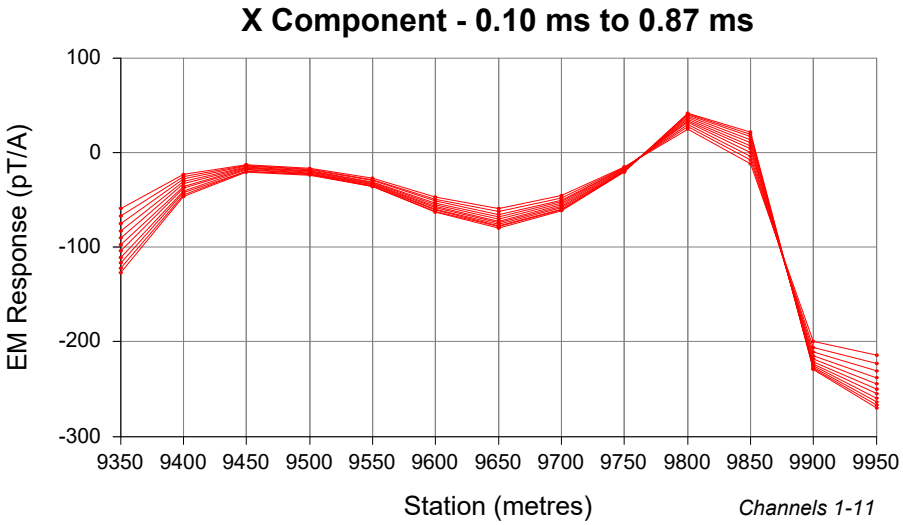
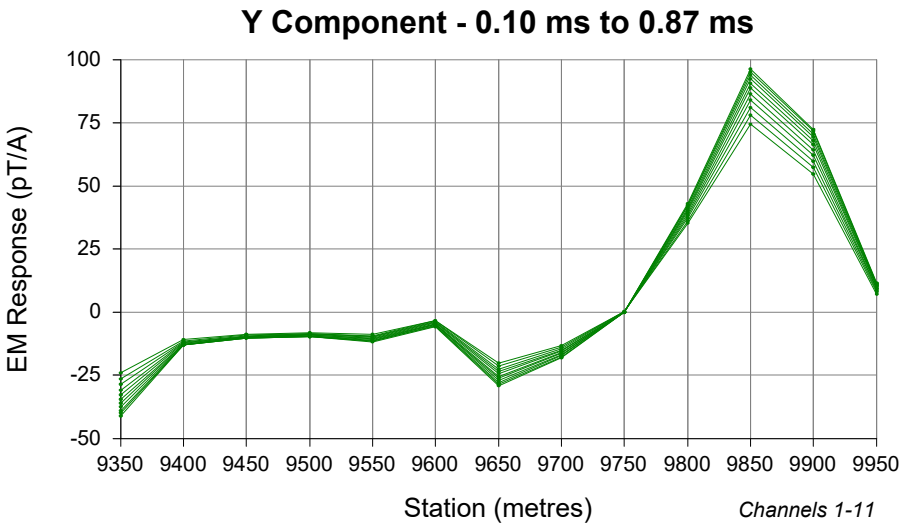
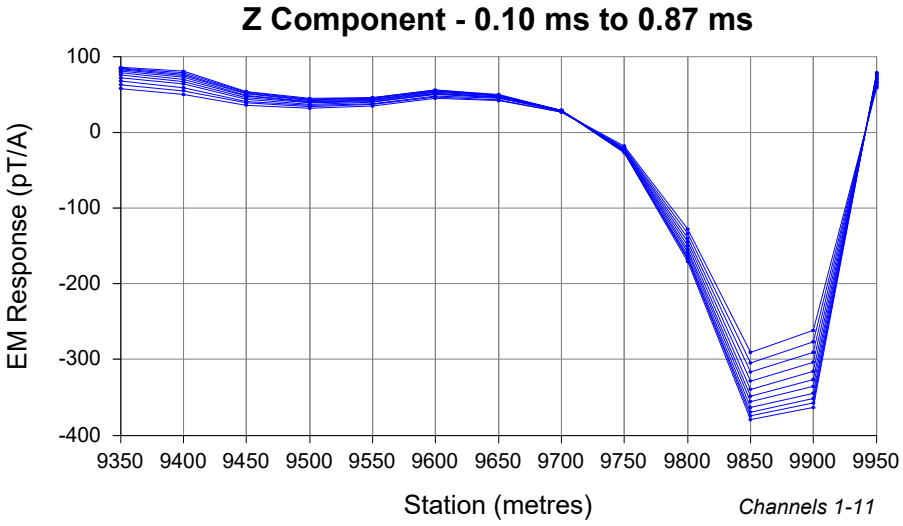








SURVEY PARAMETERS

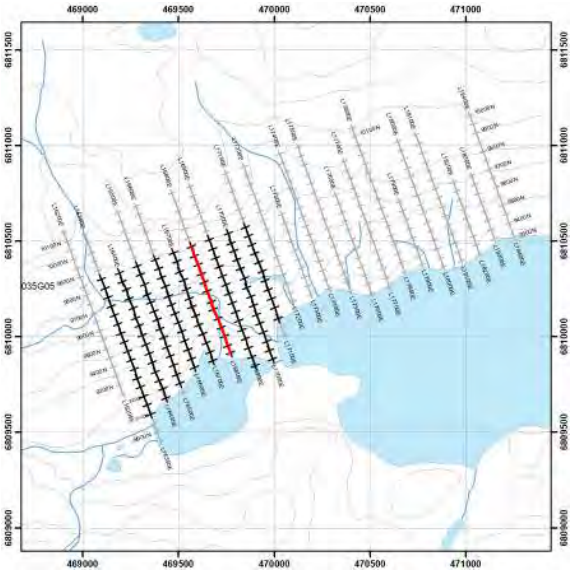
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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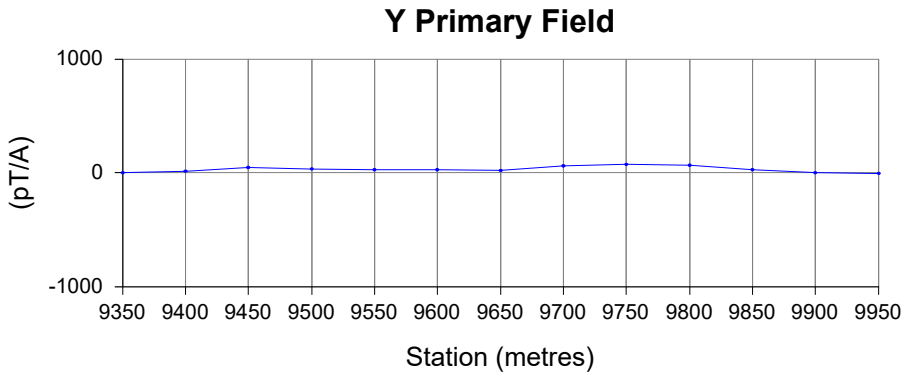
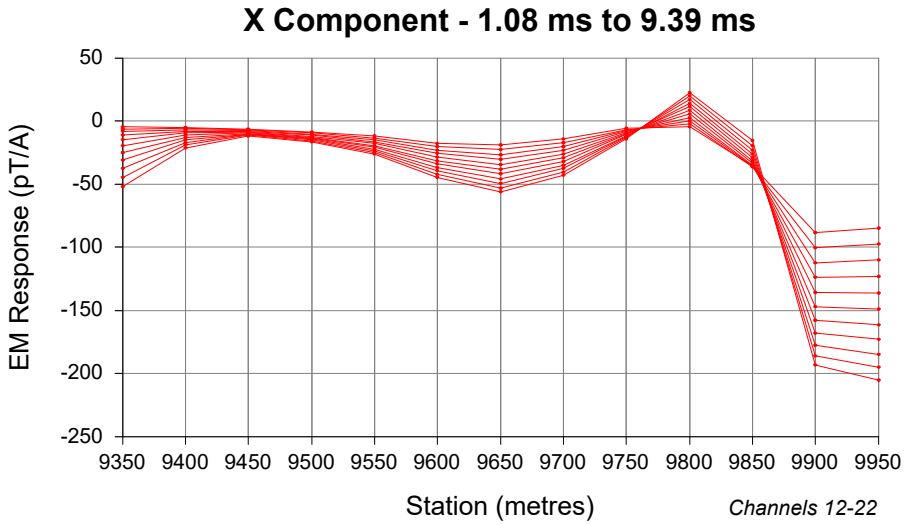
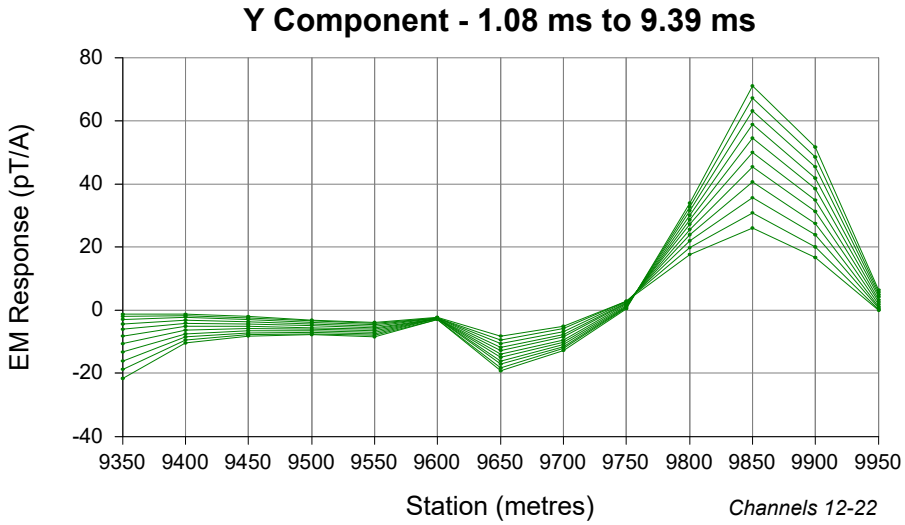
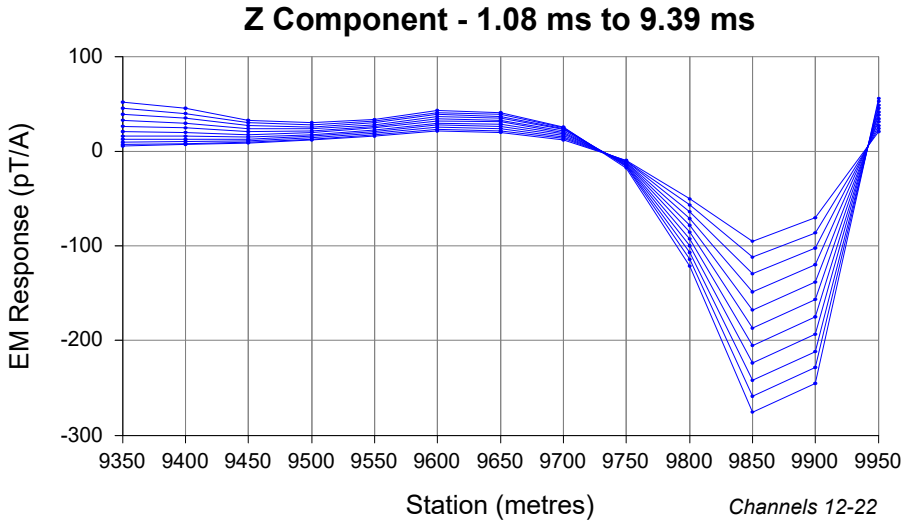








SURVEY PARAMETERS

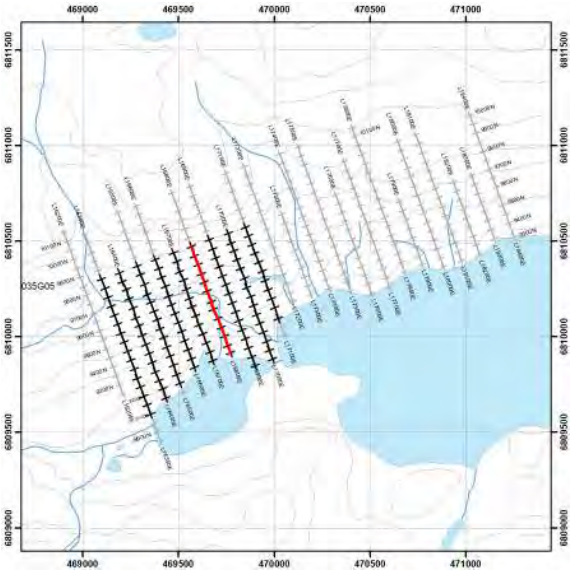
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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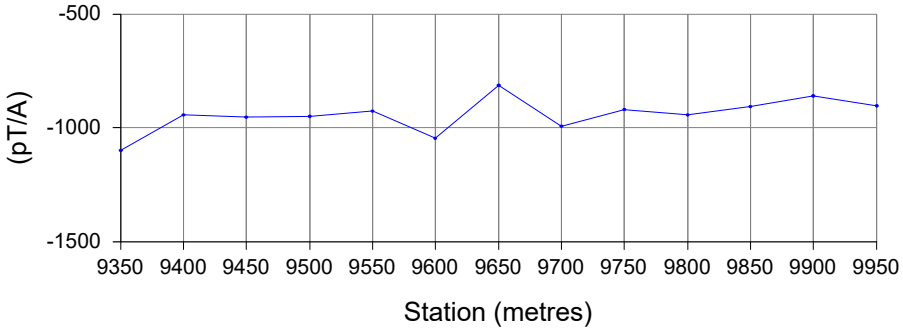
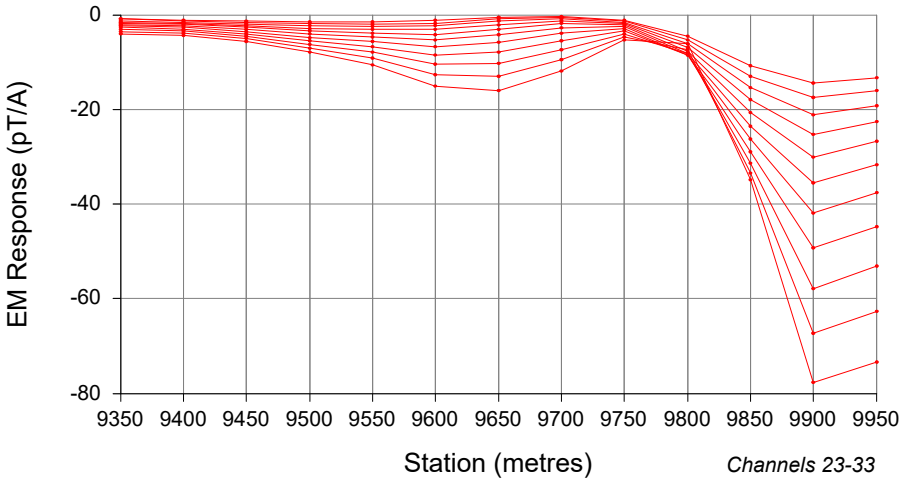
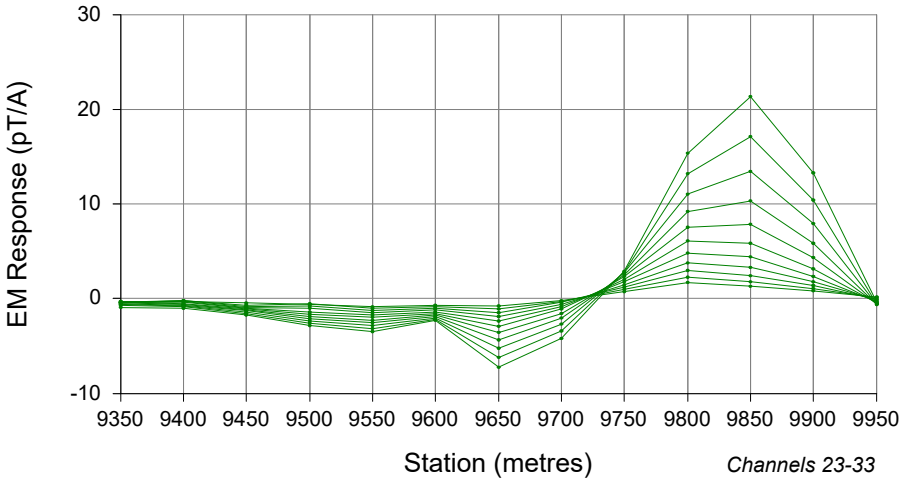
Z Primary Field



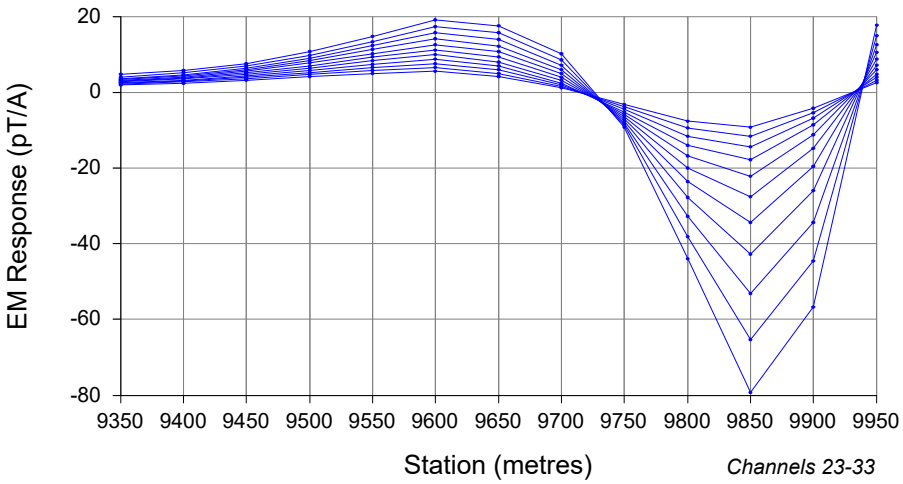
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

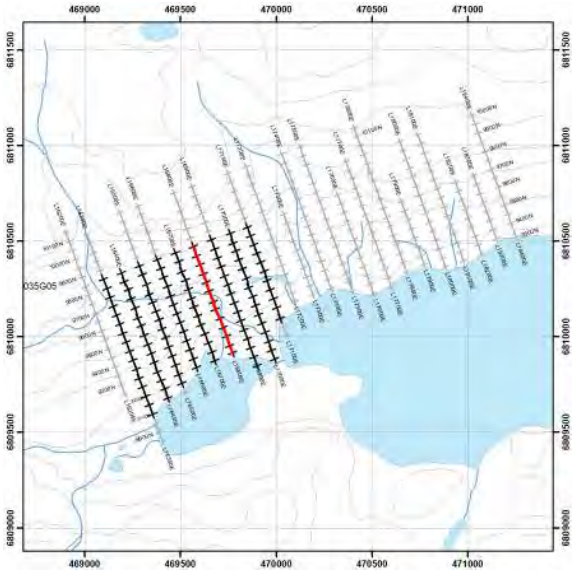
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:6000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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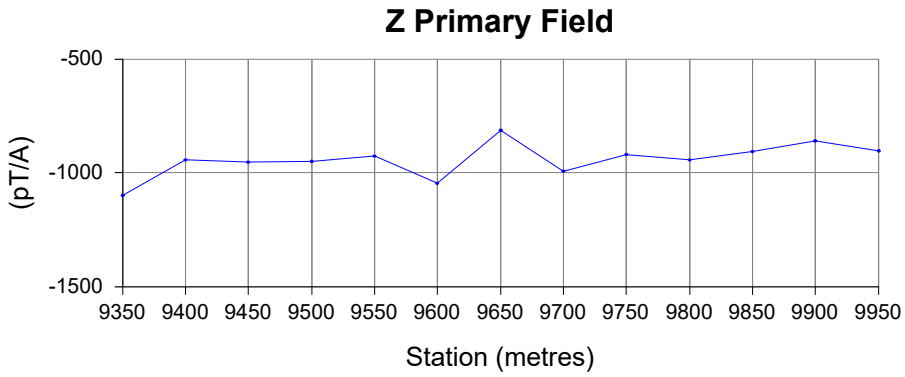
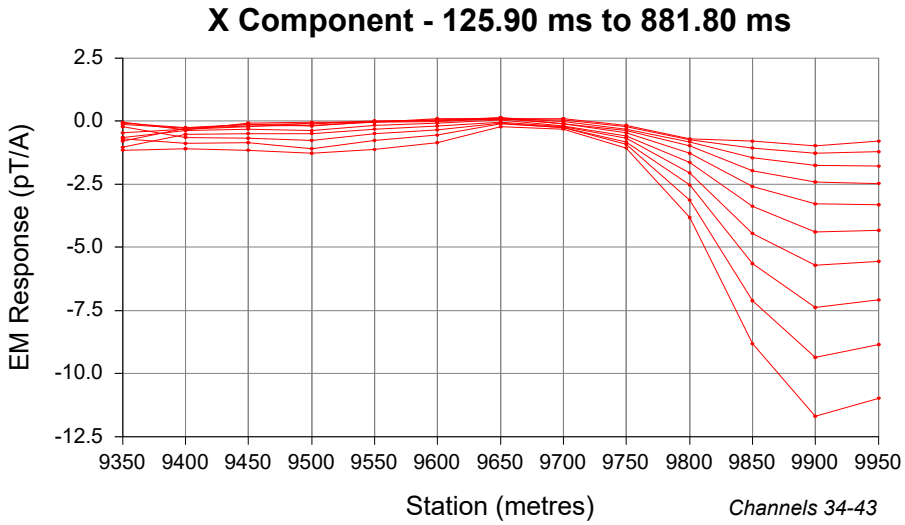
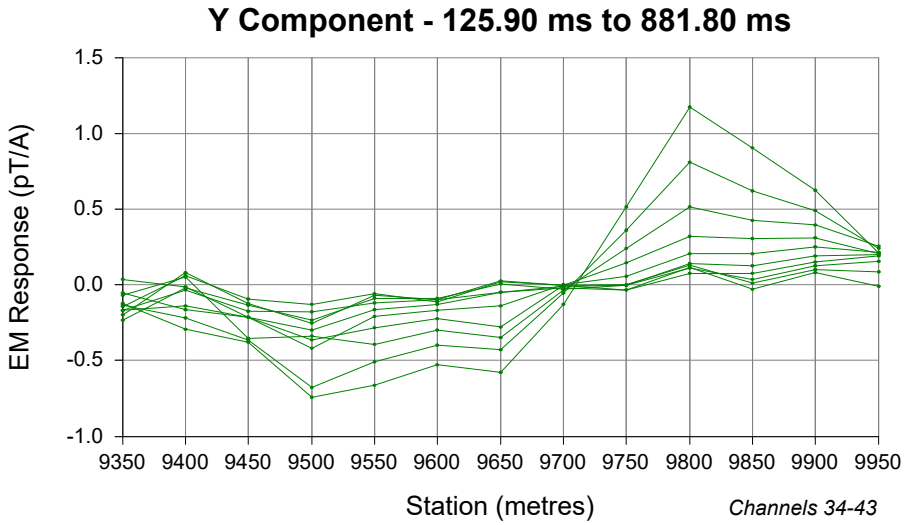
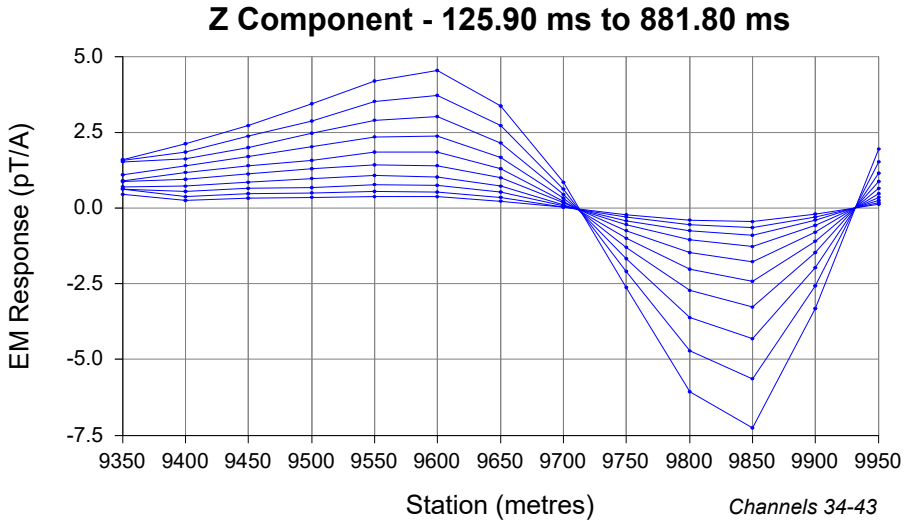








SURVEY PARAMETERS

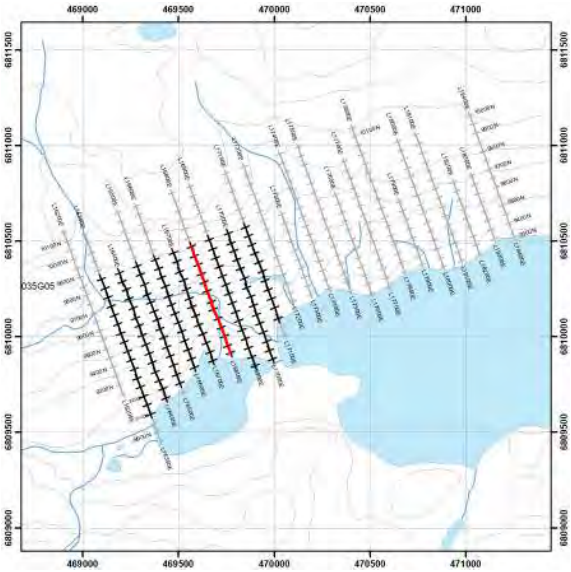
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16800E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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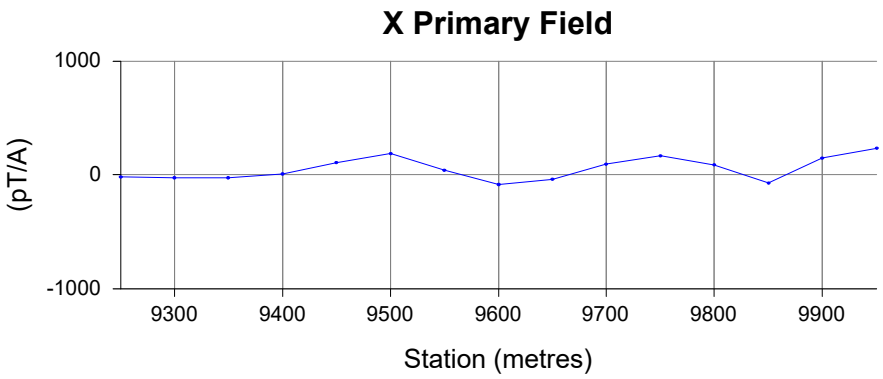
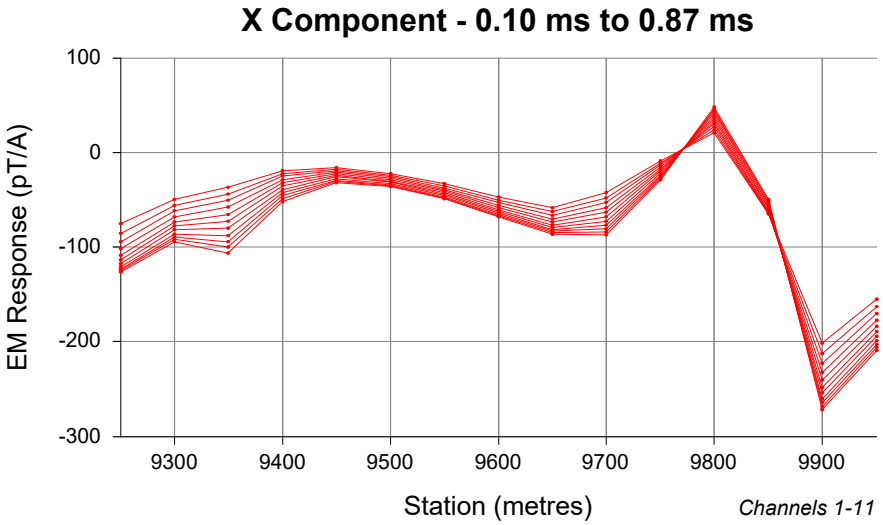
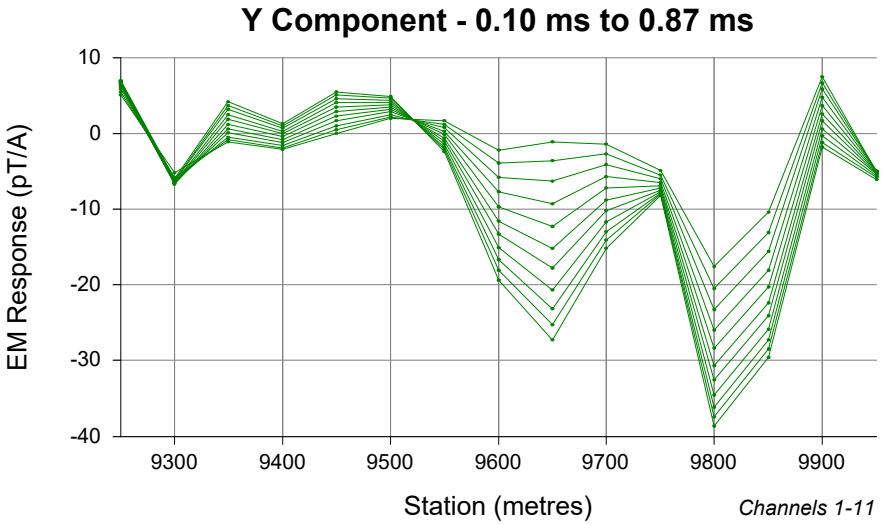
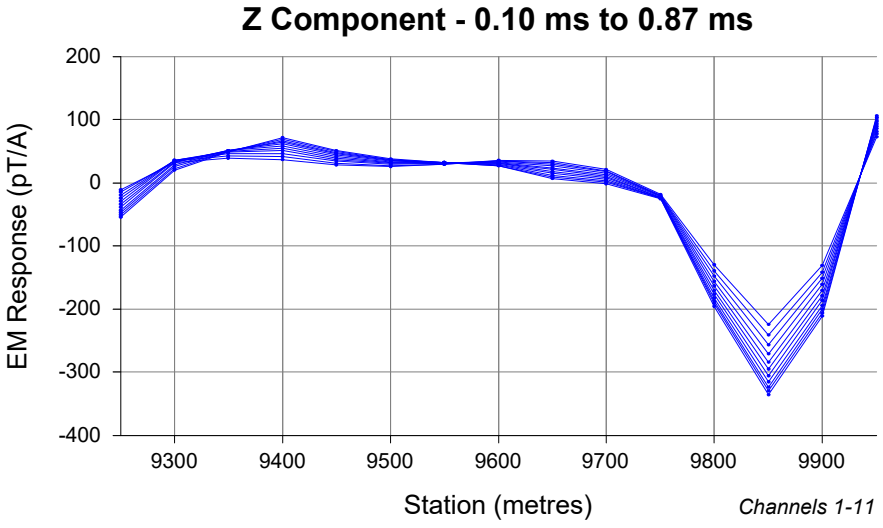








SURVEY PARAMETERS

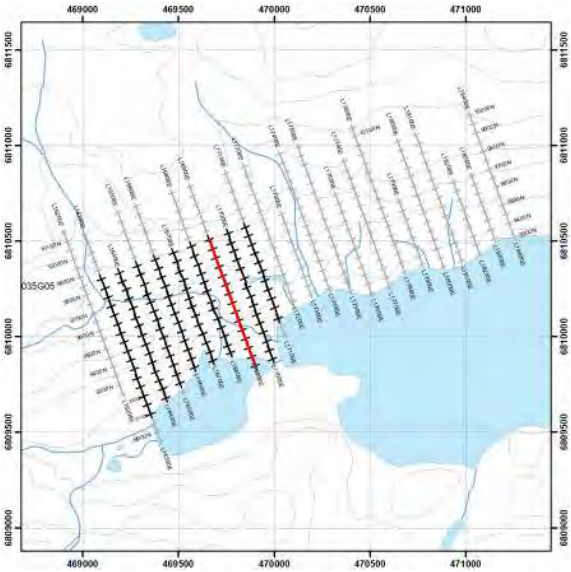
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433, JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16900E

Surveyed By: Joseph Cook
Survey Date: August 2021

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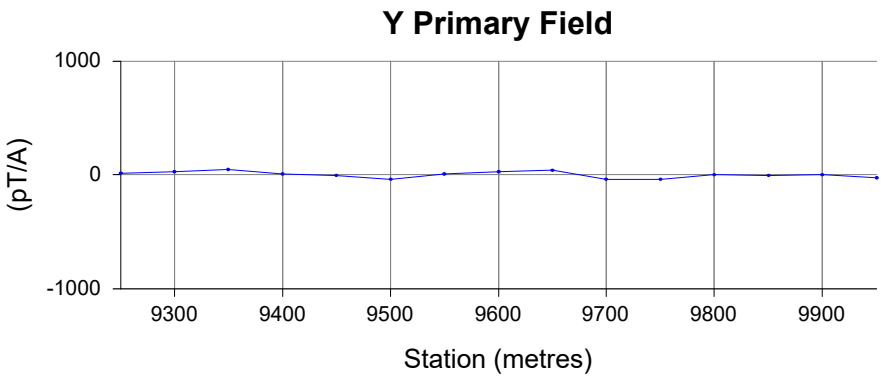
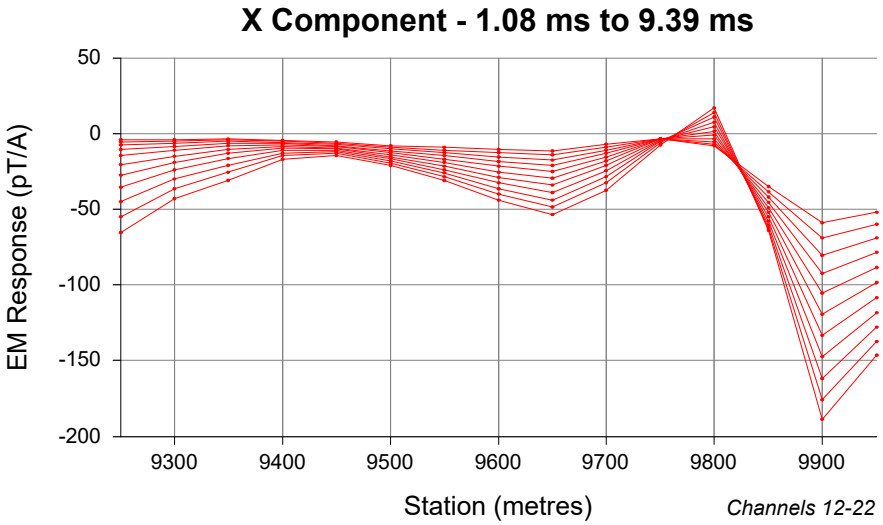
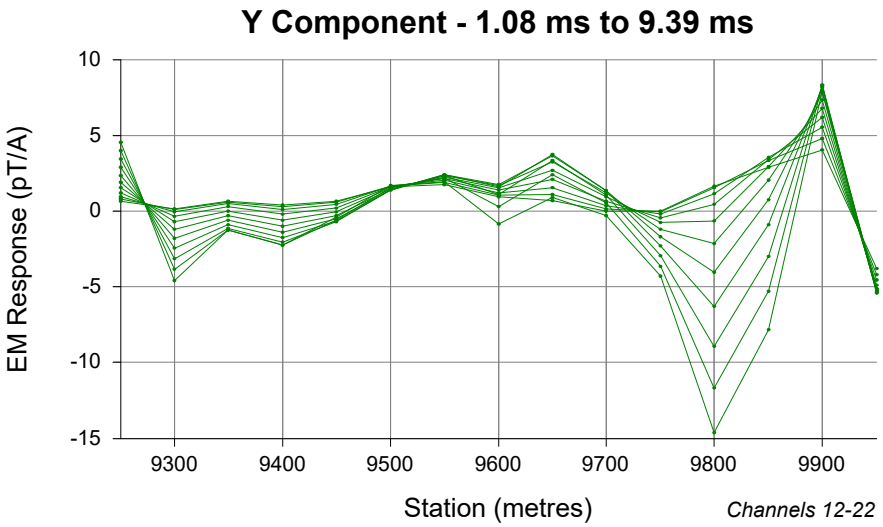
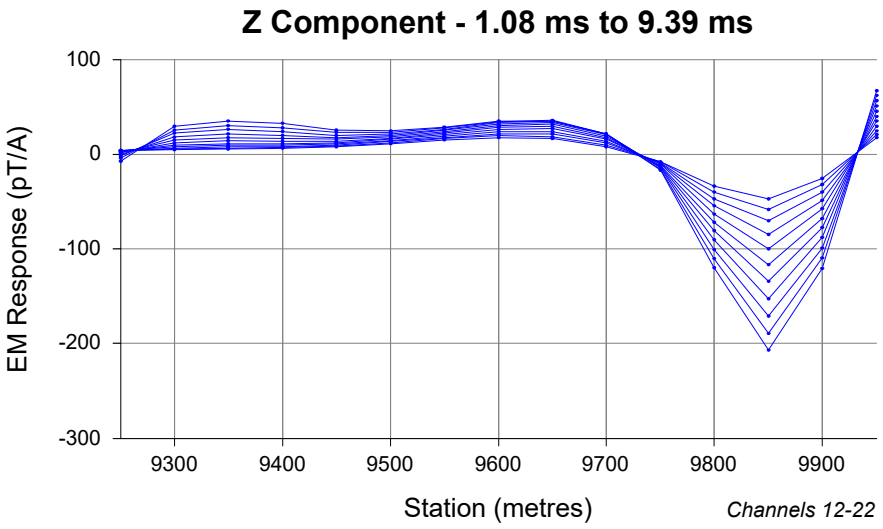








SURVEY PARAMETERS

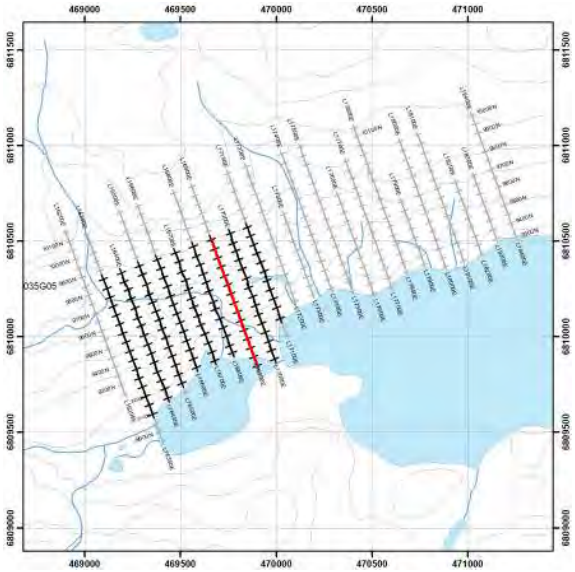
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433, JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16900E

Surveyed By: Joseph Cook
Survey Date: August 2021

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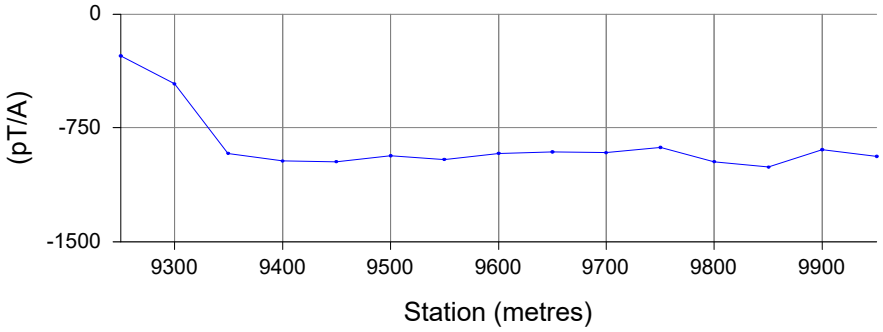
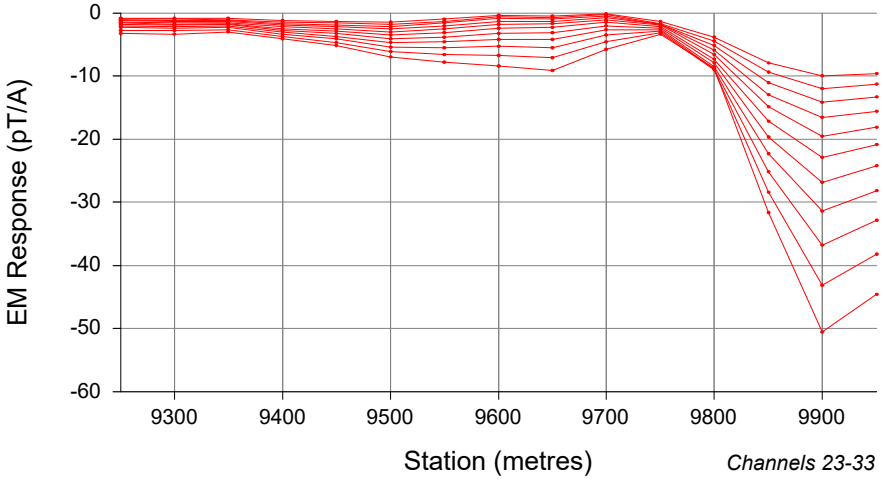
Z Primary Field

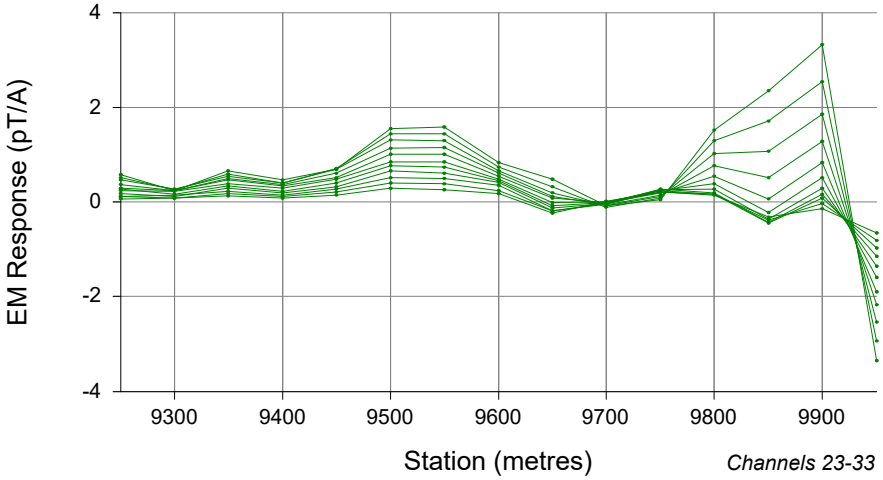


X Component - 11.66 ms to 101.40 ms



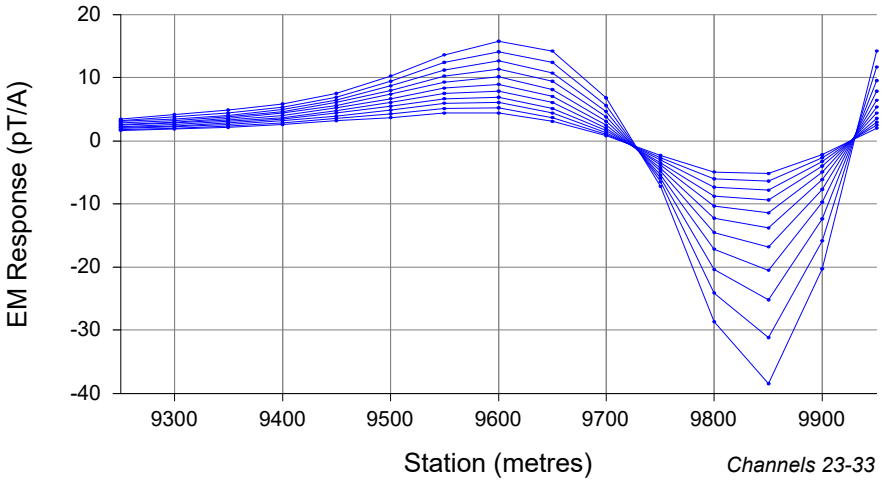
Channels 23-33

Y Component - 11.66 ms to 101.40 ms



Channels 23-33

Z Component - 11.66 ms to 101.40 ms



Channels 23-33

SURVEY PARAMETERS

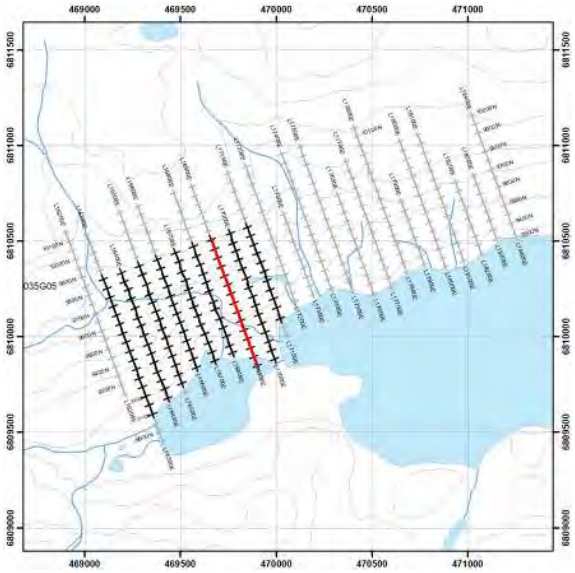
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433, JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 16900E

Surveyed By: Joseph Cook
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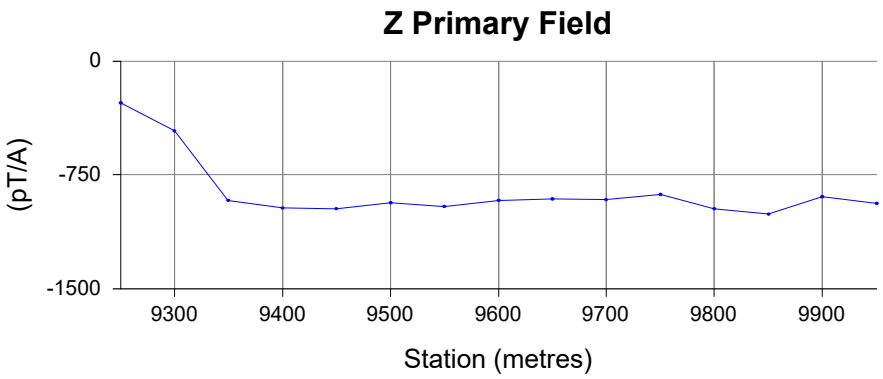
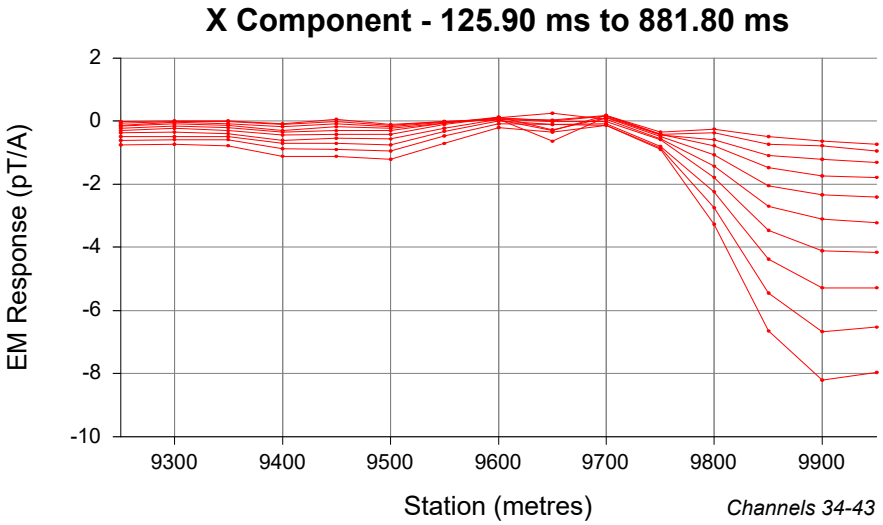
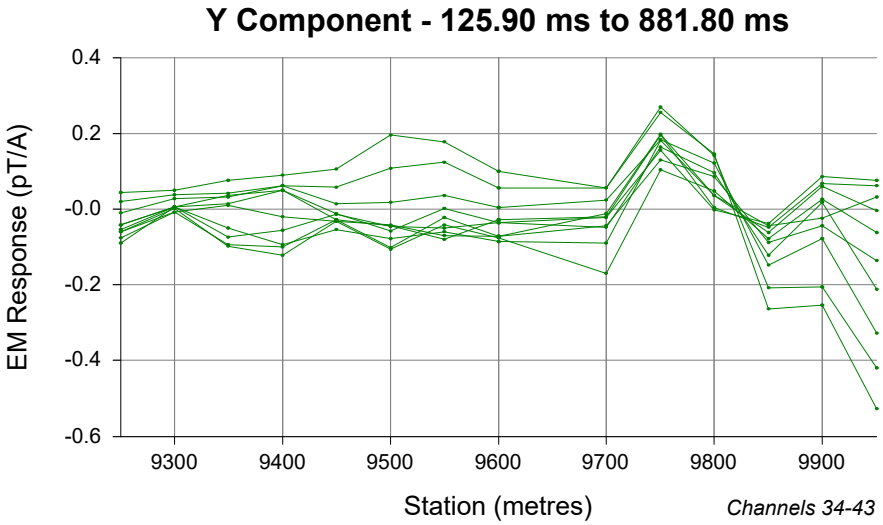
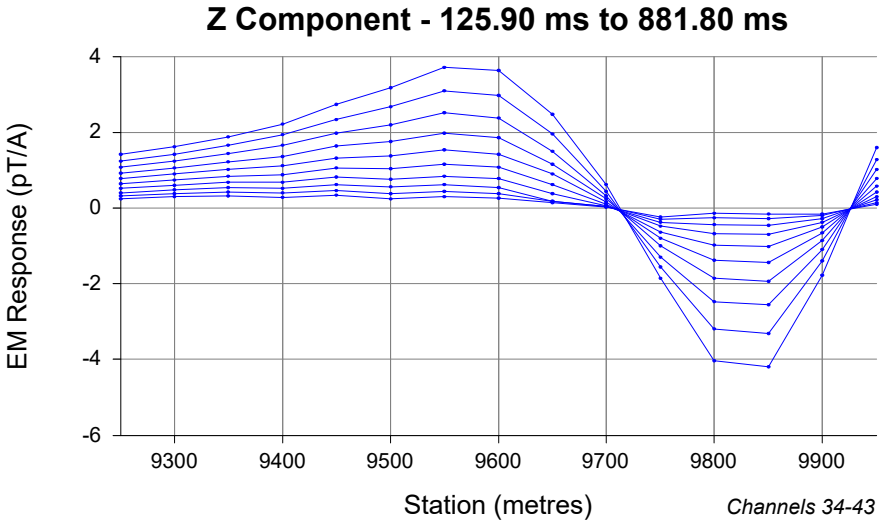








SURVEY PARAMETERS

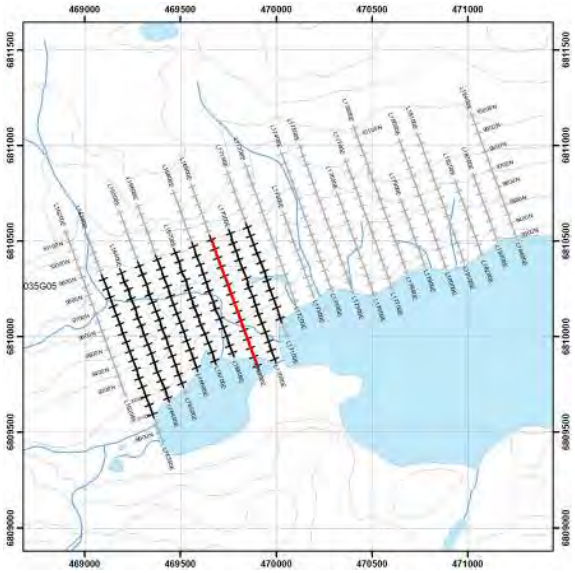
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433, JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
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Slingram Survey

Line 16900E

Surveyed By: Joseph Cook
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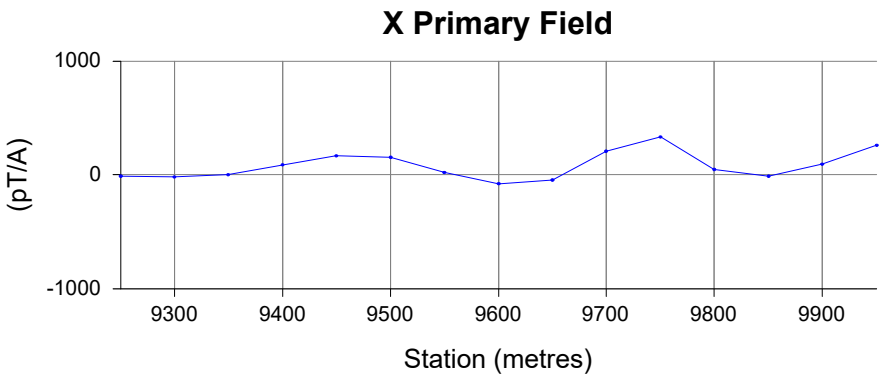
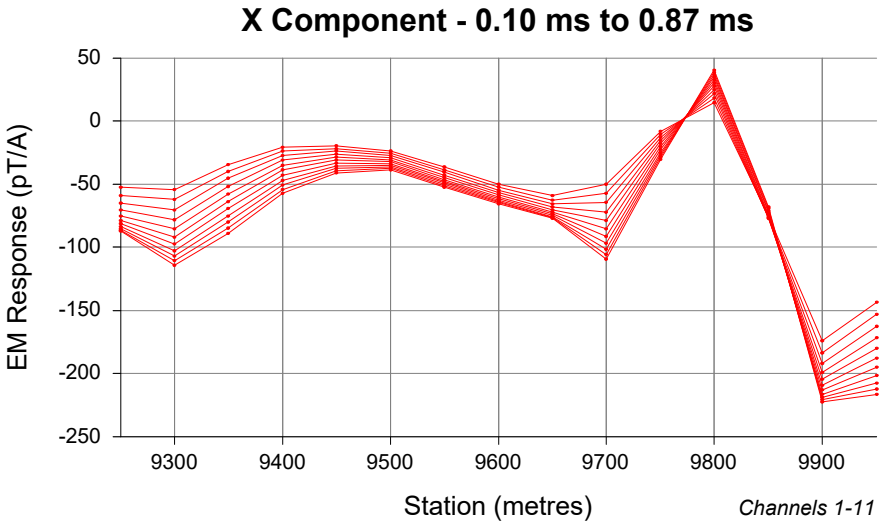
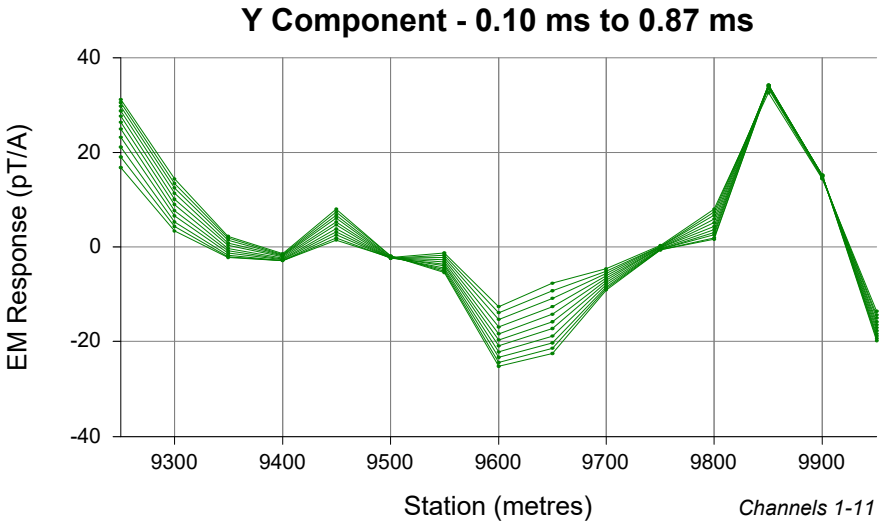
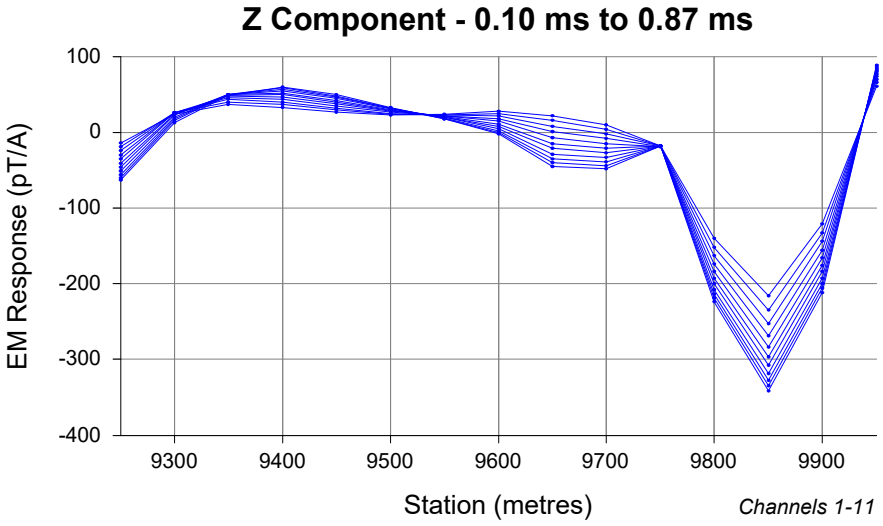








SURVEY PARAMETERS

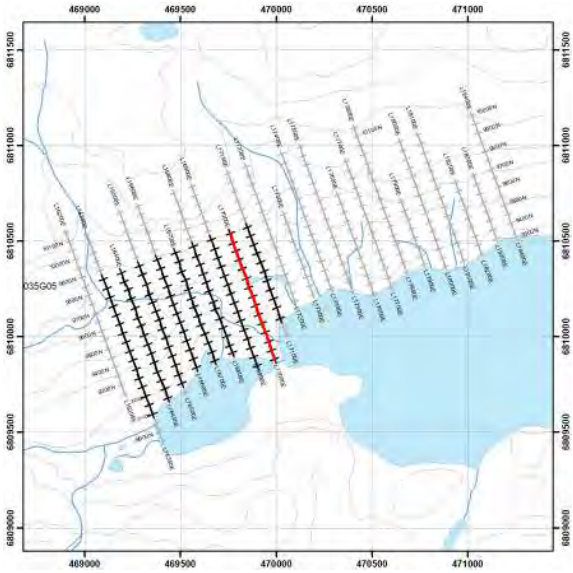
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17000E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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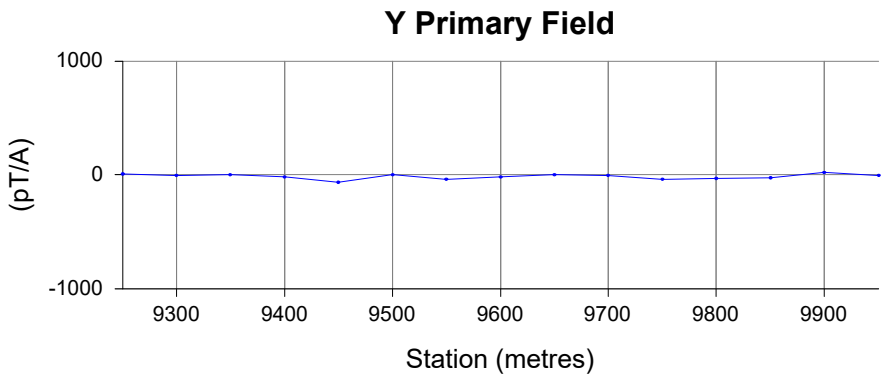
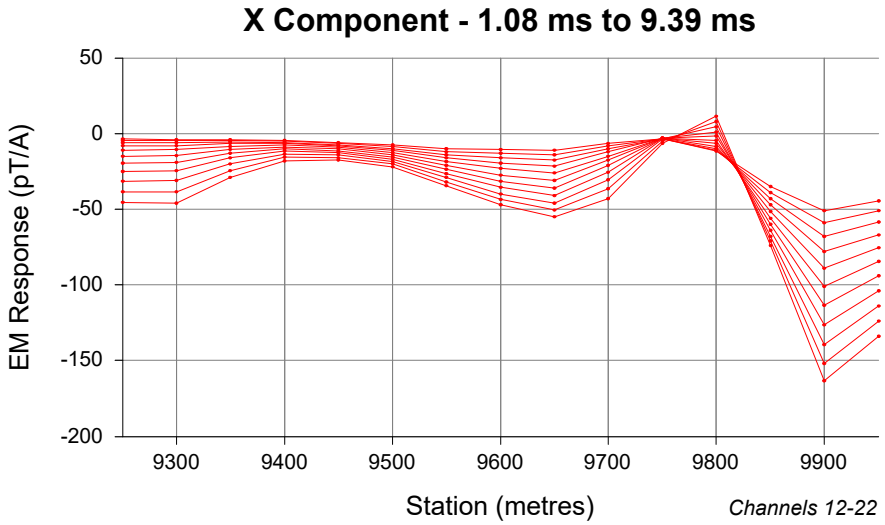
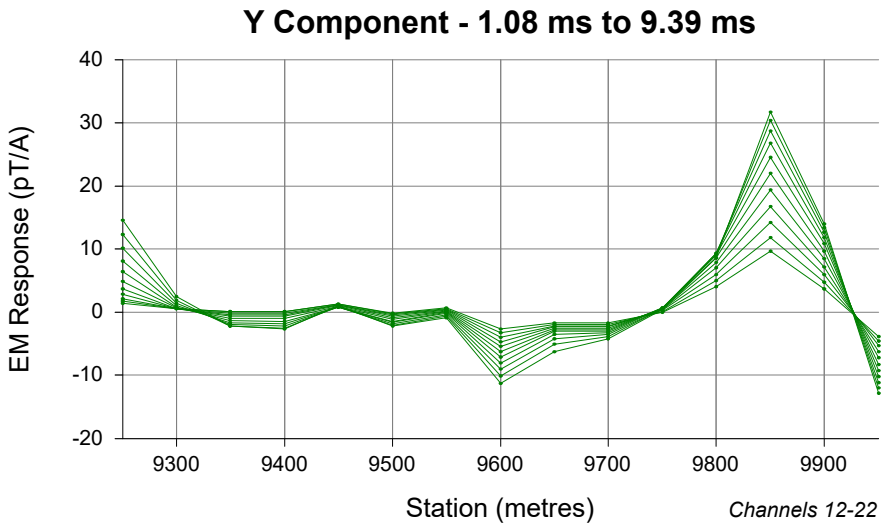
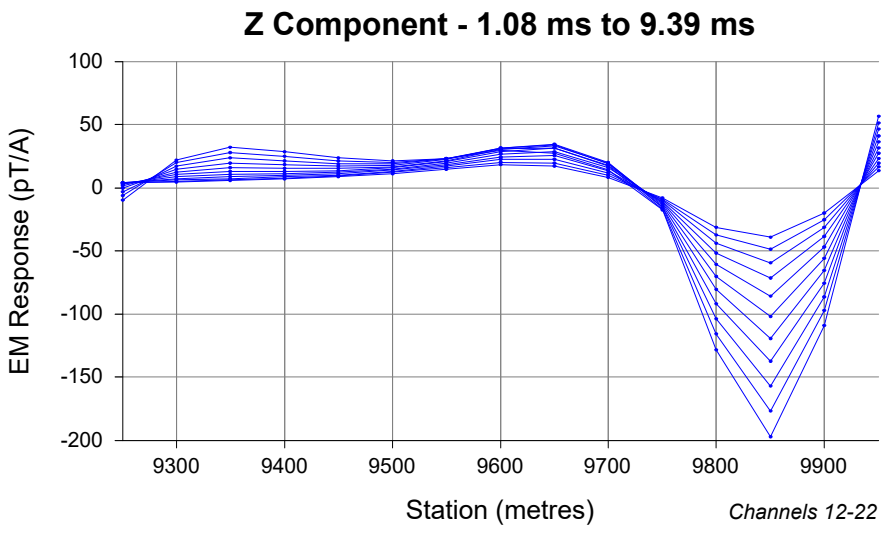








SURVEY PARAMETERS

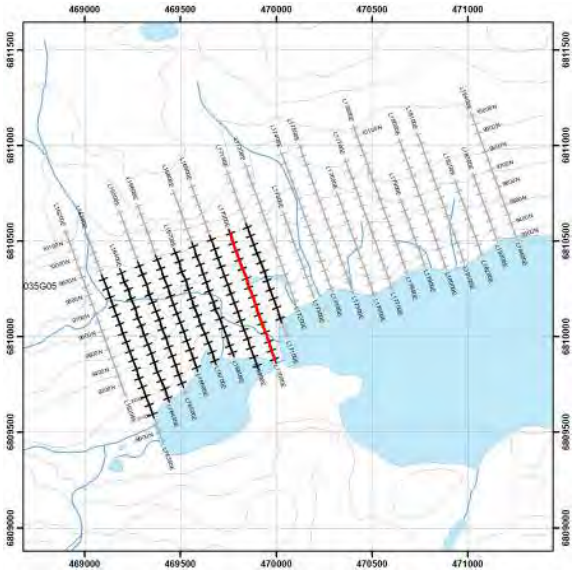
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



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Slingram Survey

Line 17000E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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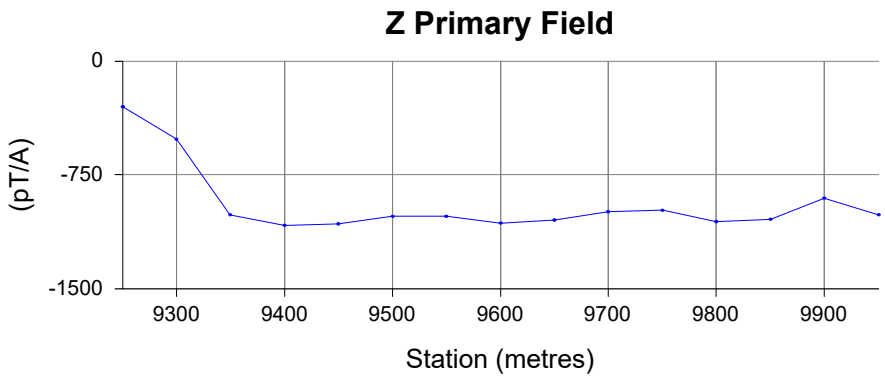
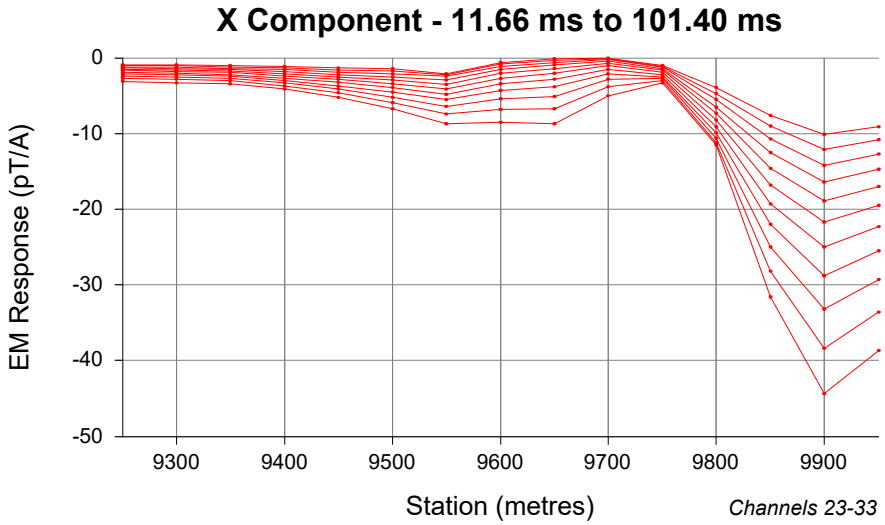
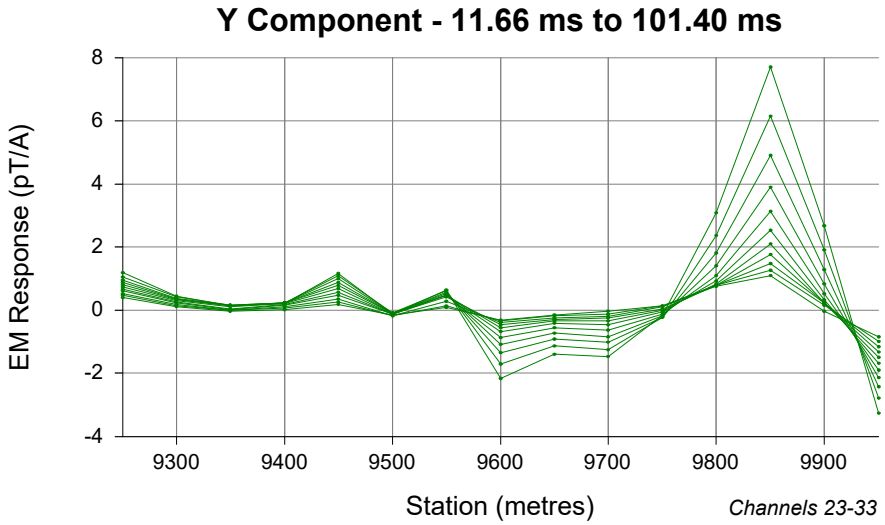
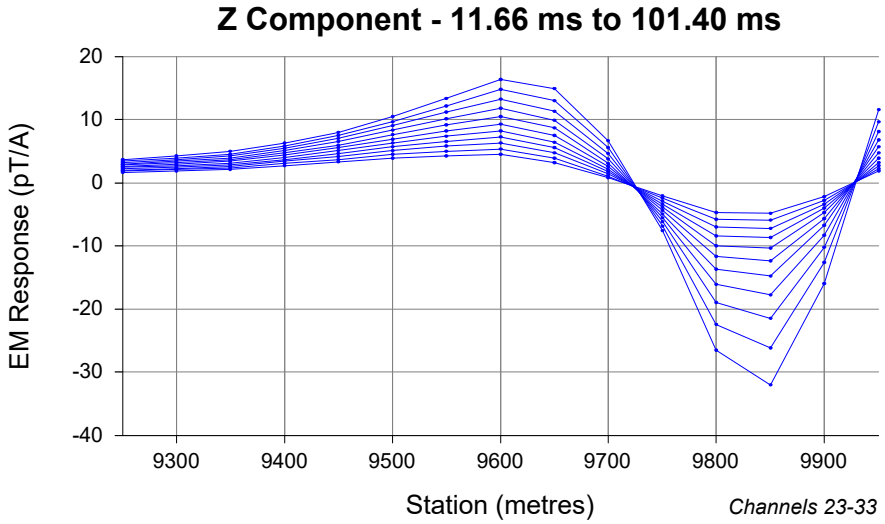








SURVEY PARAMETERS

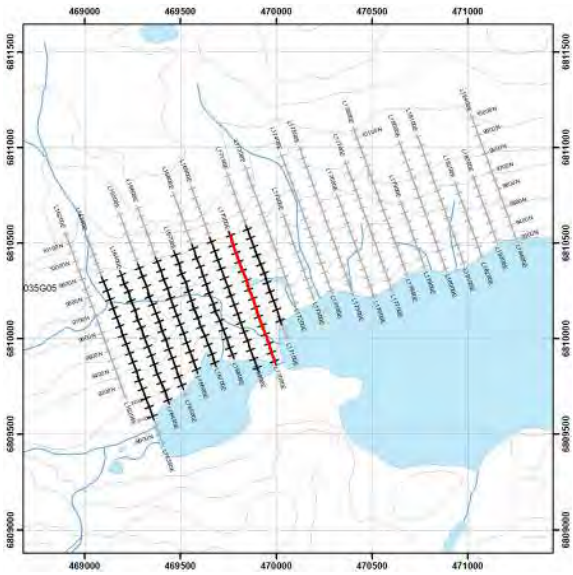
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17000E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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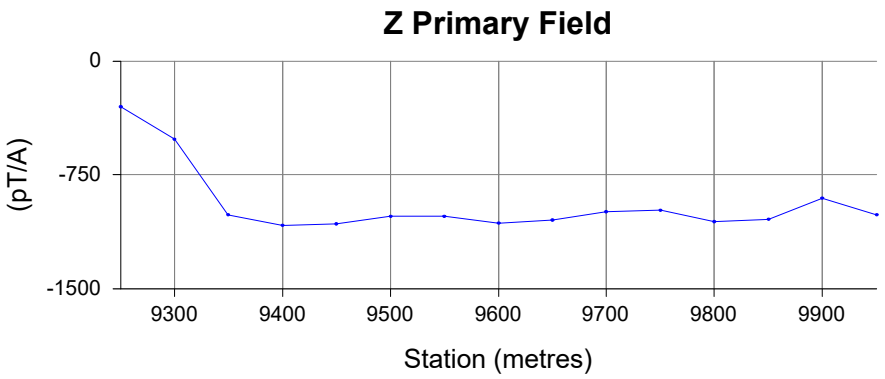
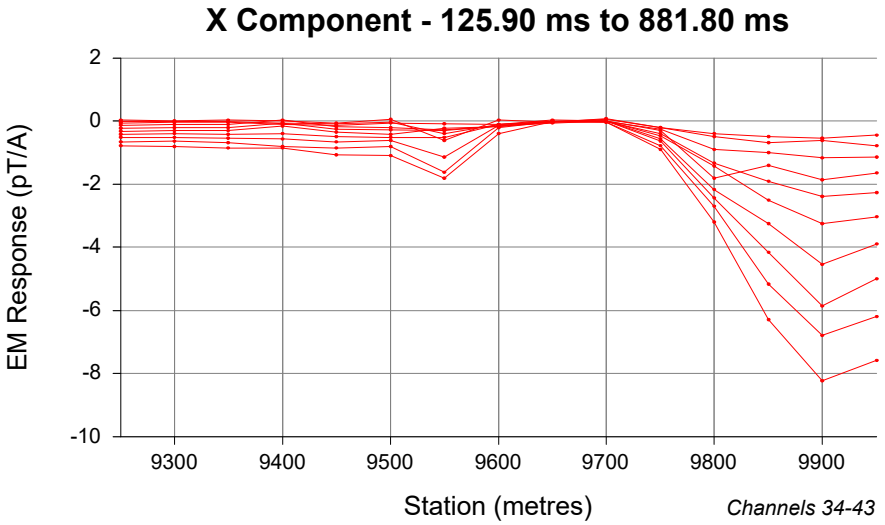
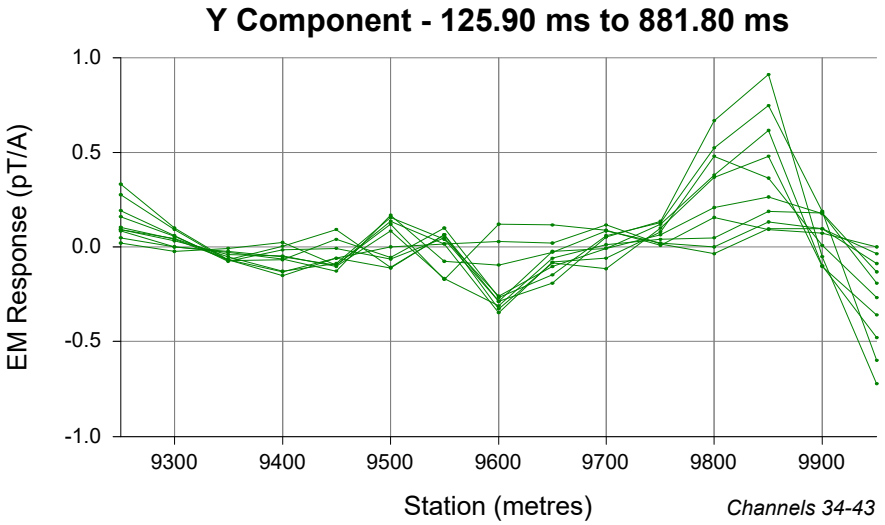
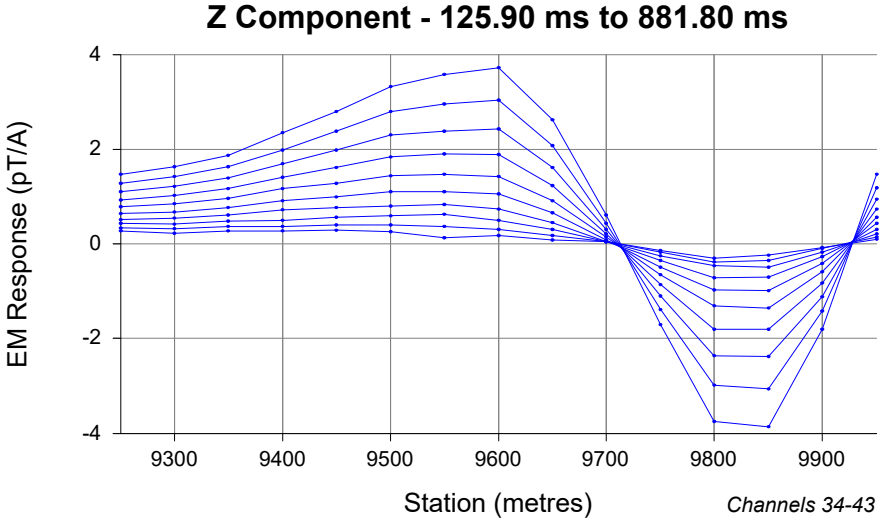








SURVEY PARAMETERS

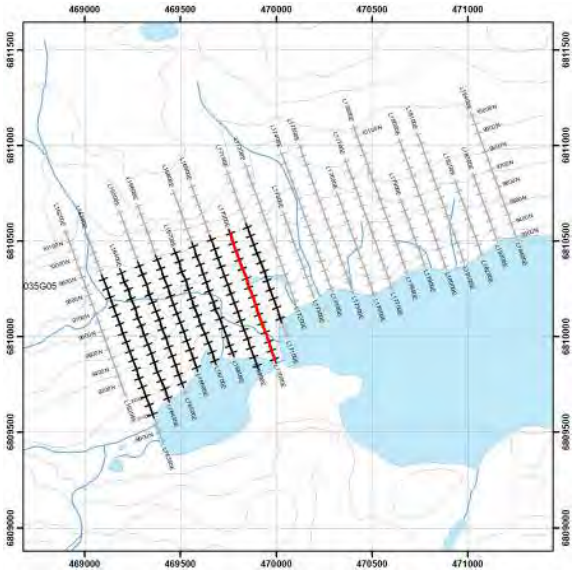
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms



Scale 1:7000

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Beverly East Grid
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Slingram Survey

Line 17000E

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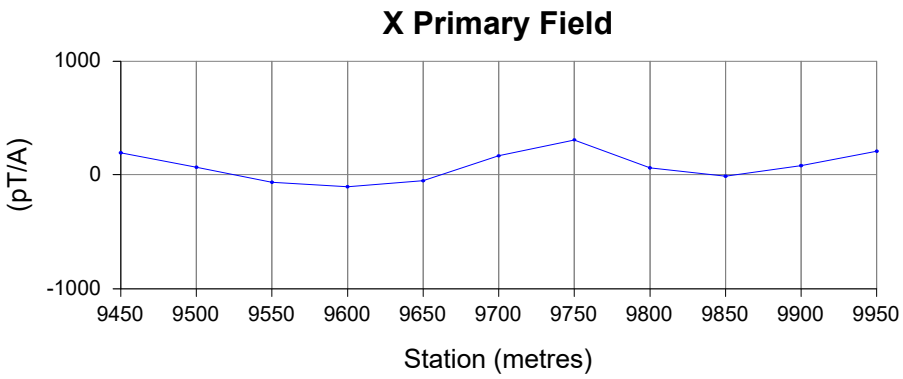
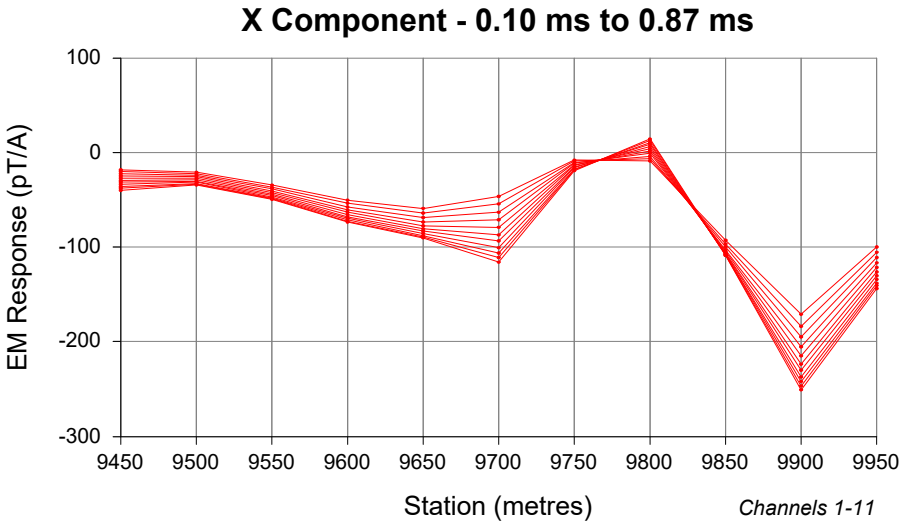
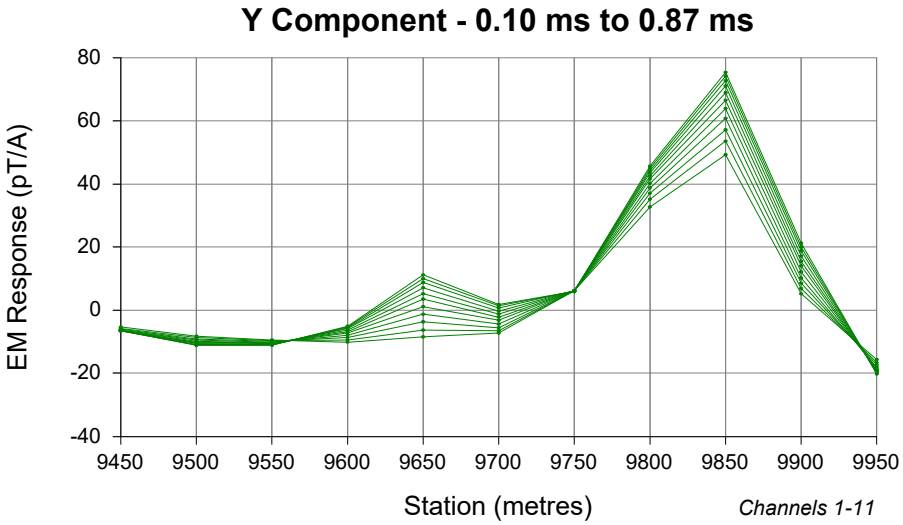
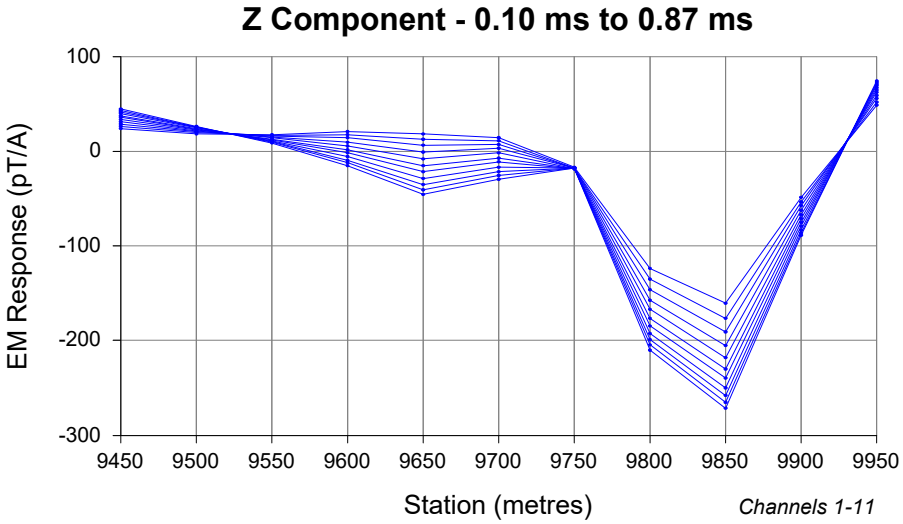








SURVEY PARAMETERS

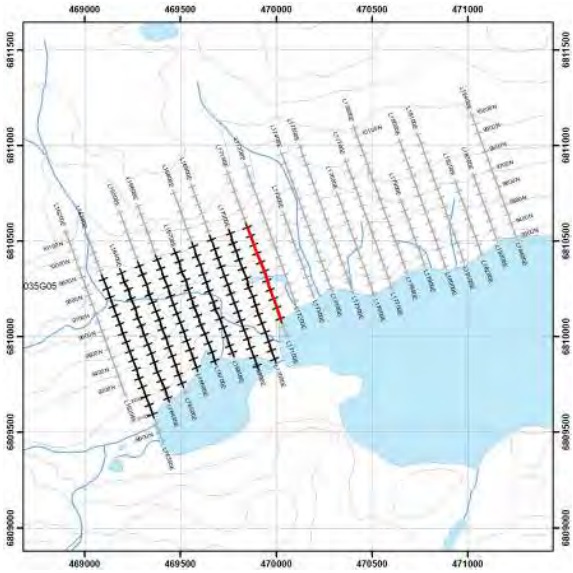
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

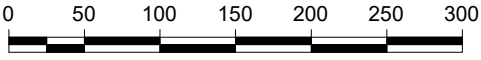
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17100E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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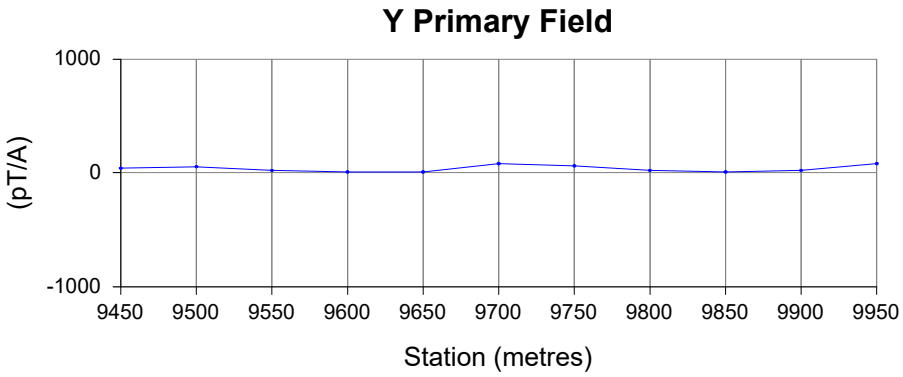
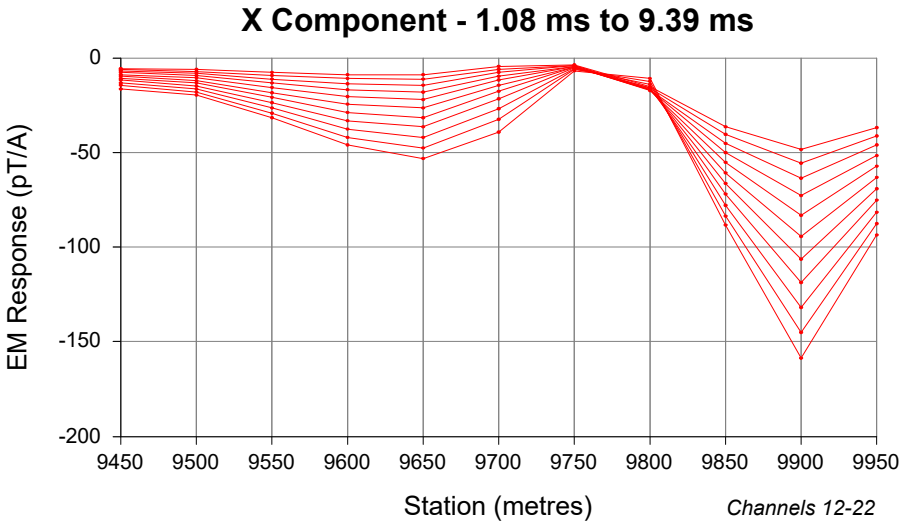
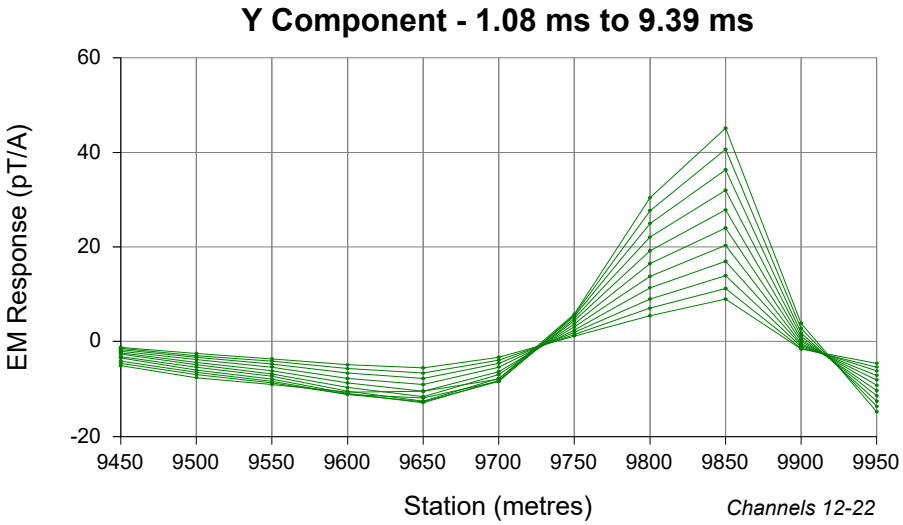
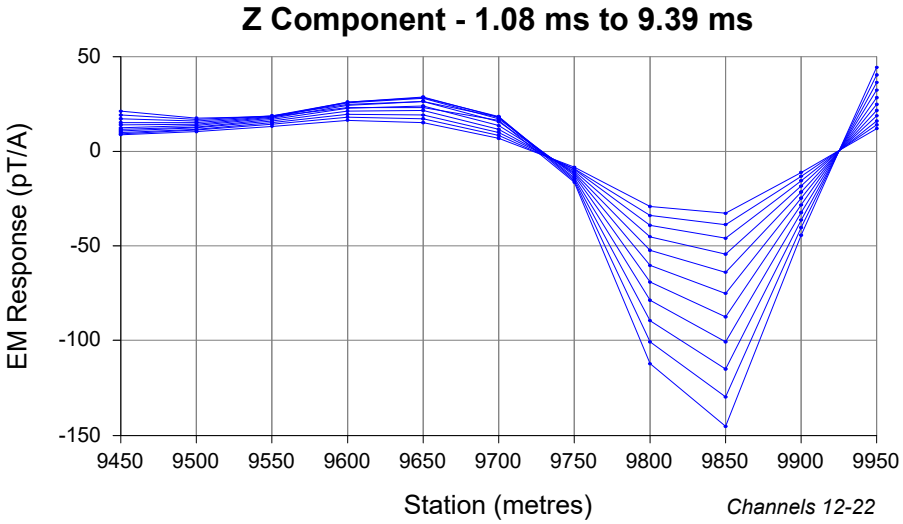








SURVEY PARAMETERS

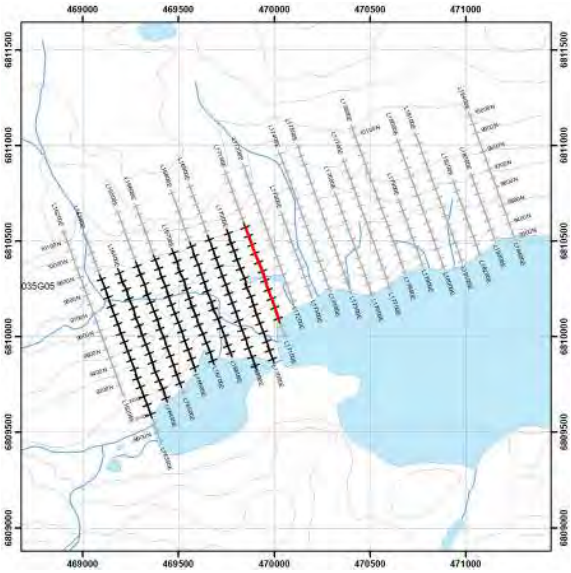
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

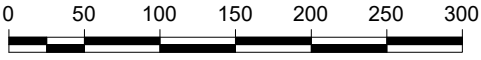
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5000

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Slingram Survey

Line 17100E

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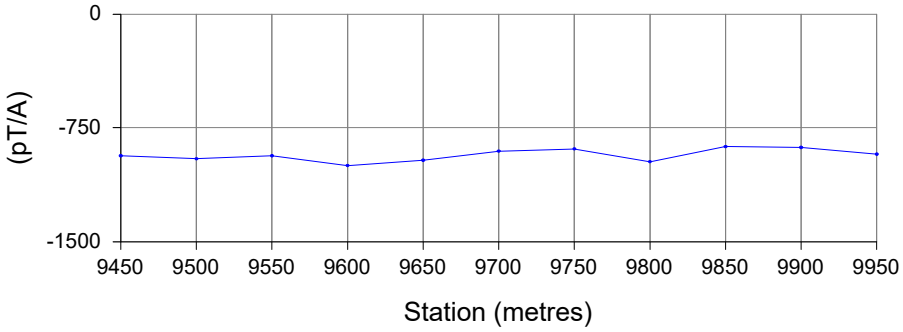
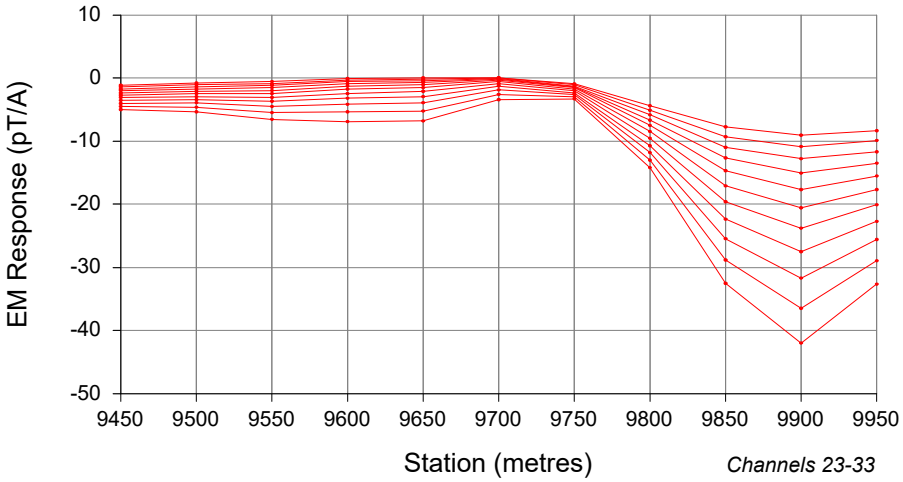
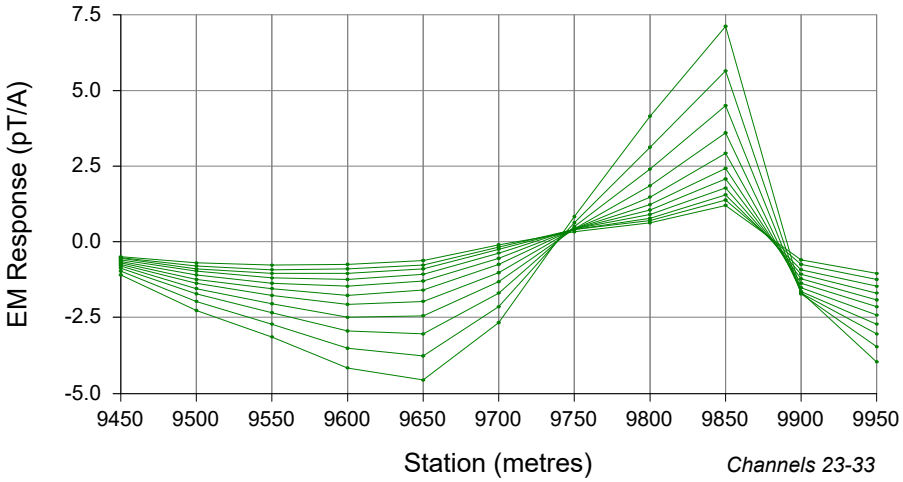
Z Primary Field



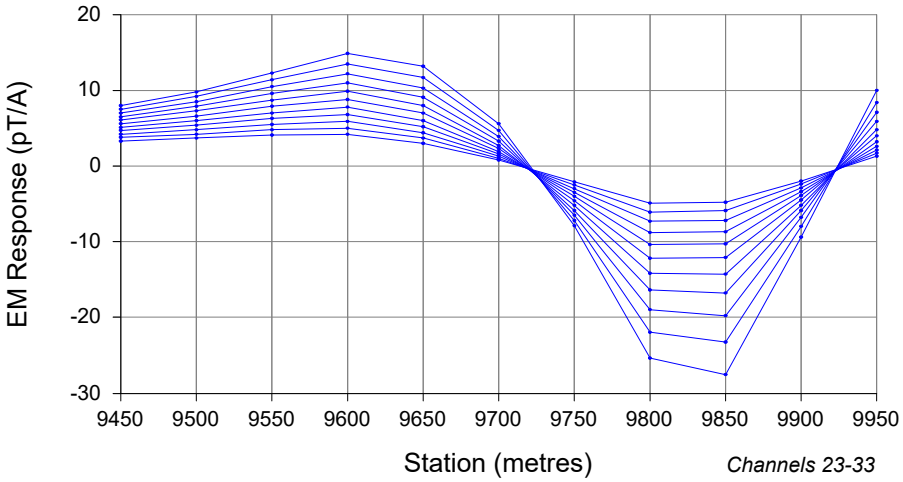
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
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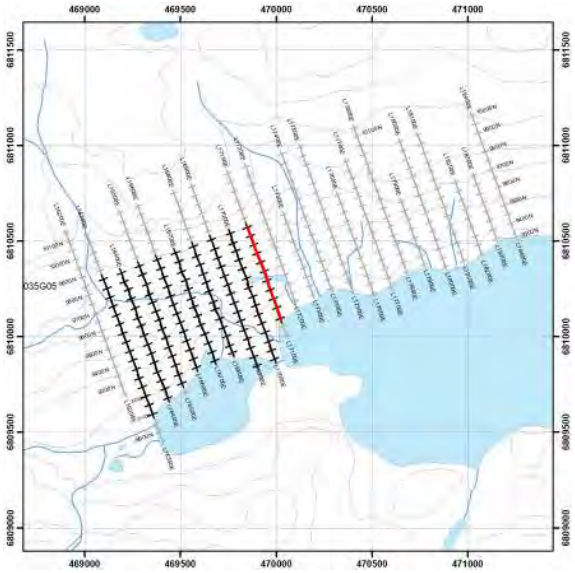

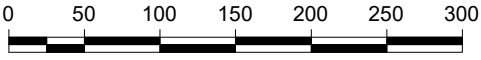

Scale 1:5000

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Slingram Survey

Line 17100E

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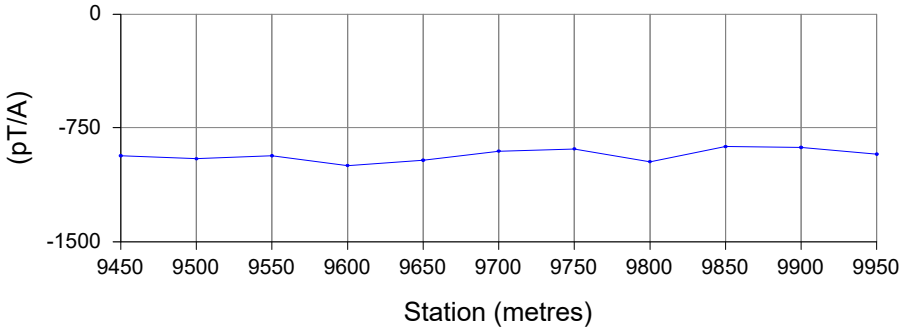
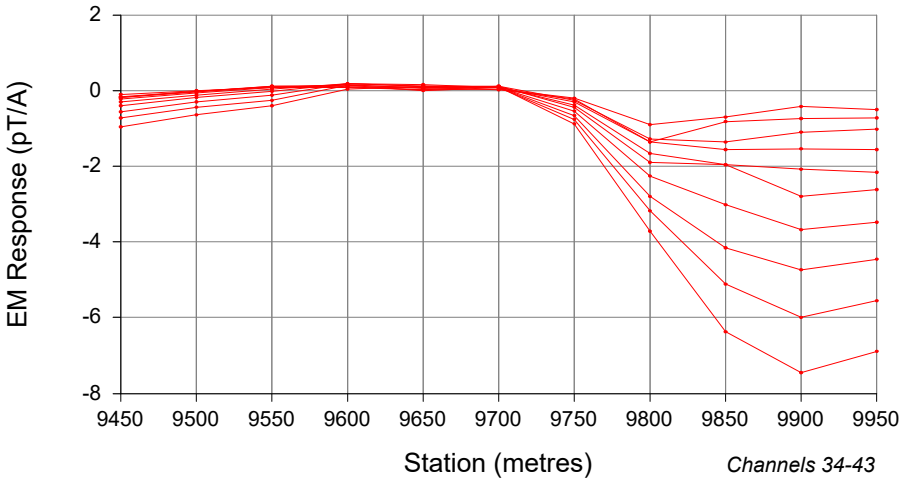
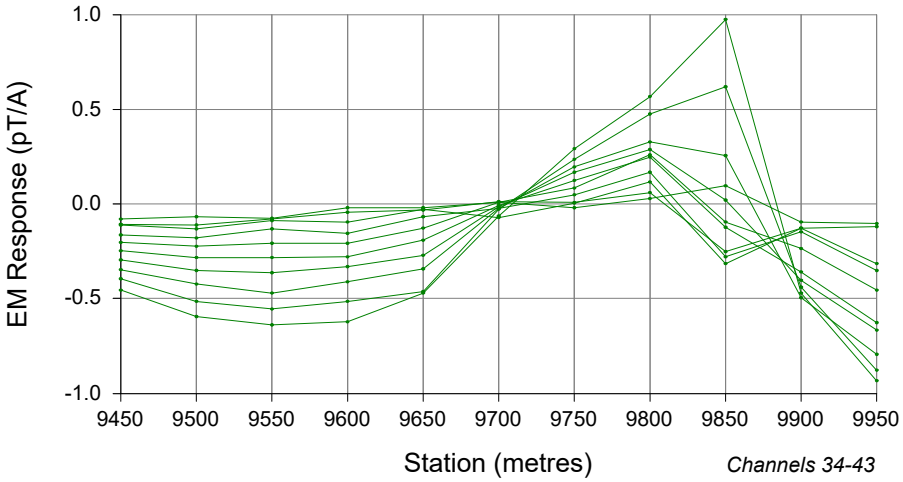
Z Primary Field



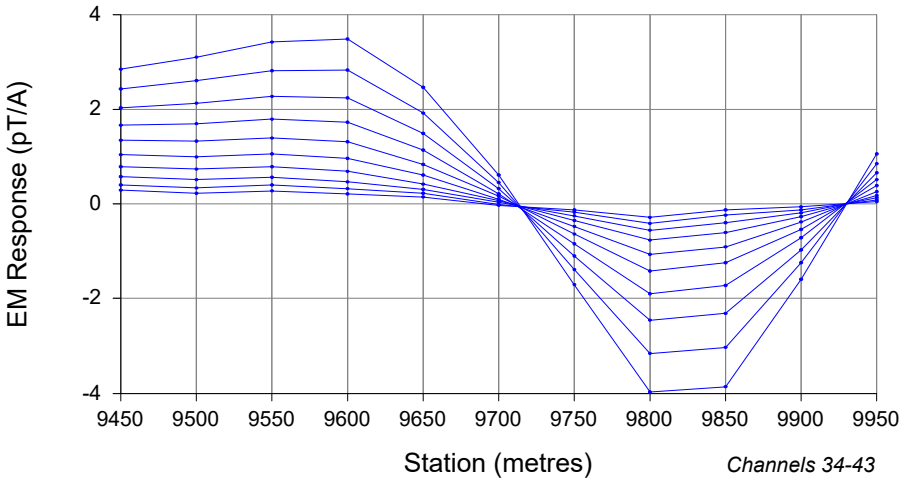
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

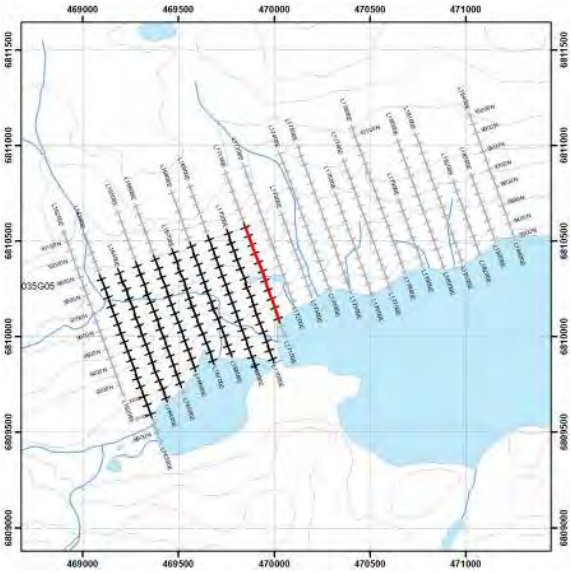
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

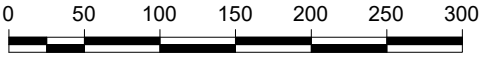
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 45.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17100E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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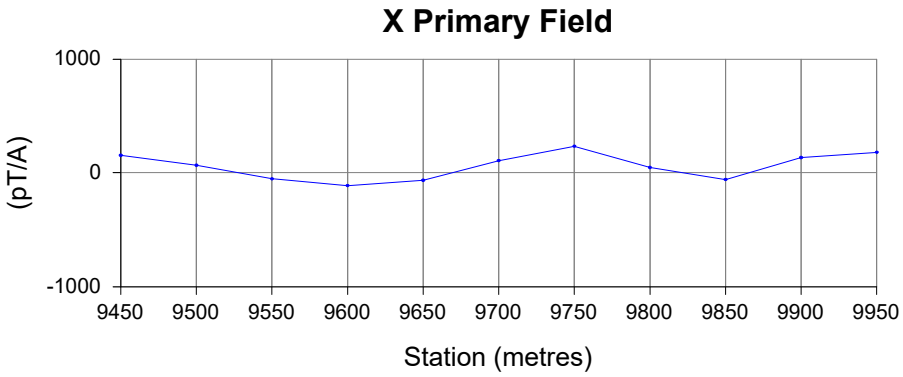
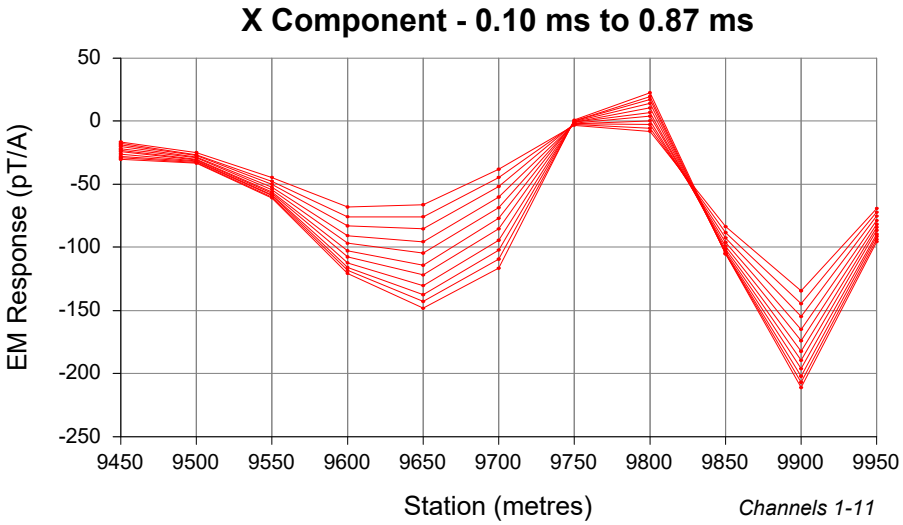
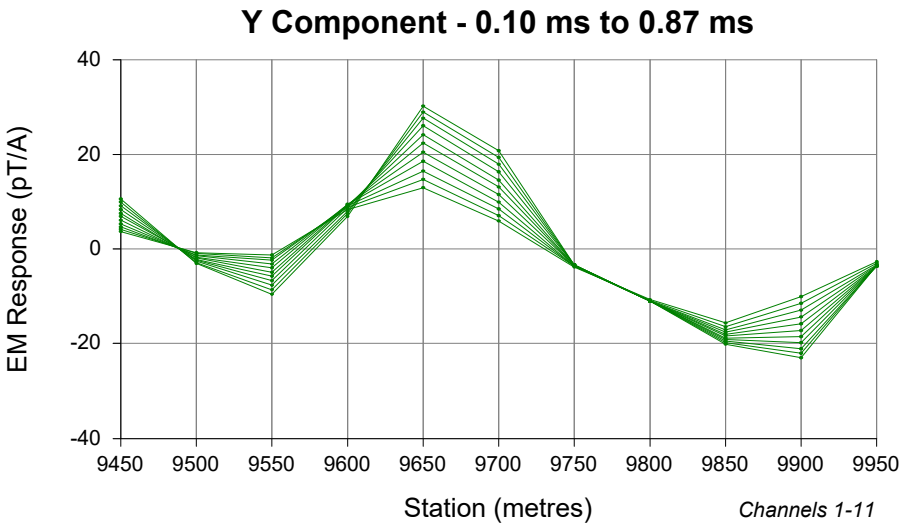
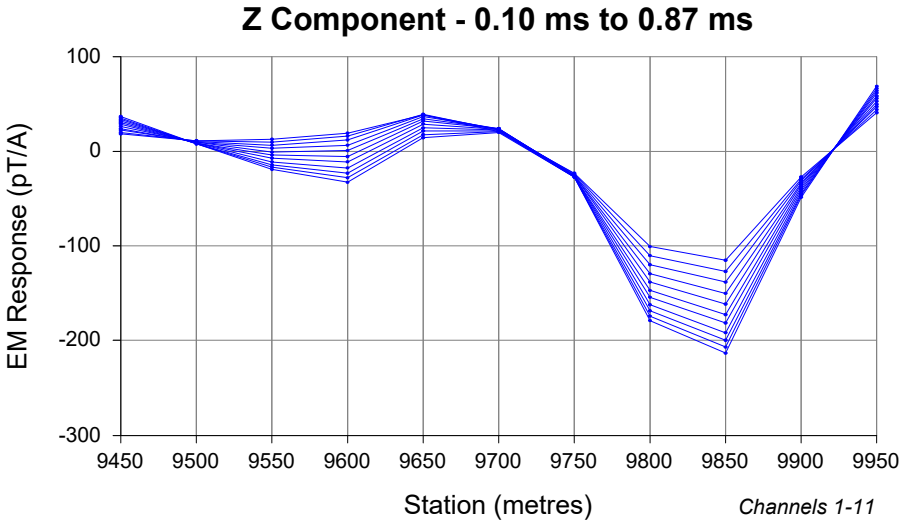








SURVEY PARAMETERS

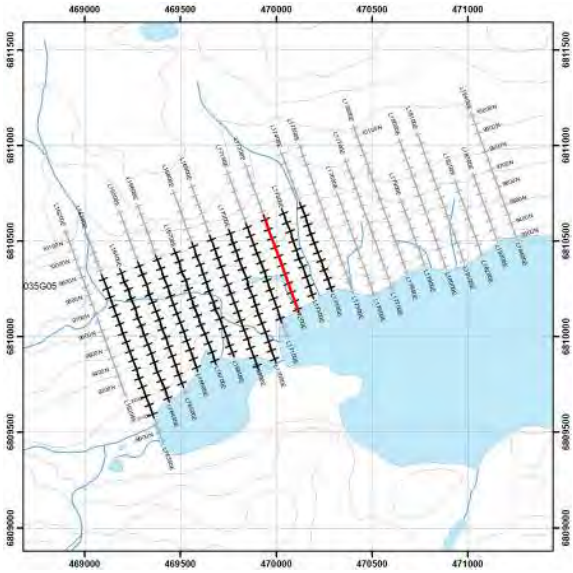
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

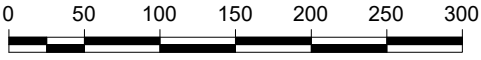
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Joseph Cook
Survey Date: August 2021

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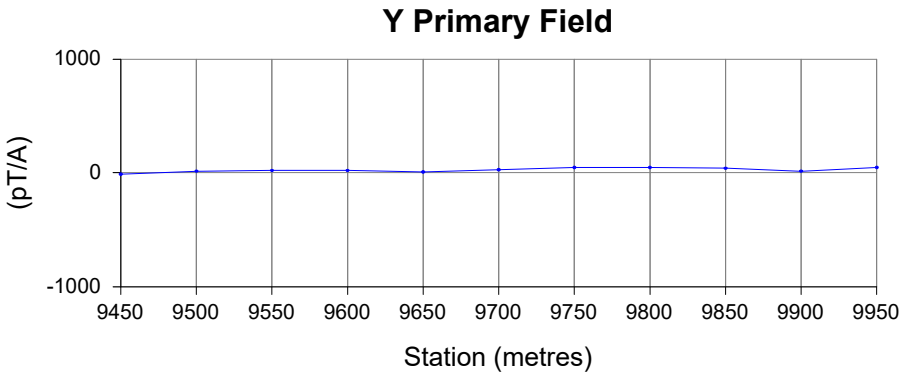
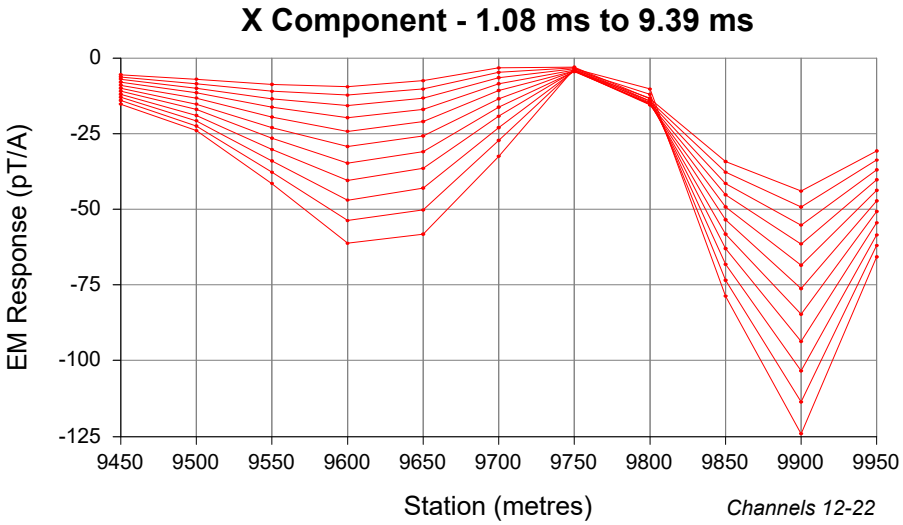
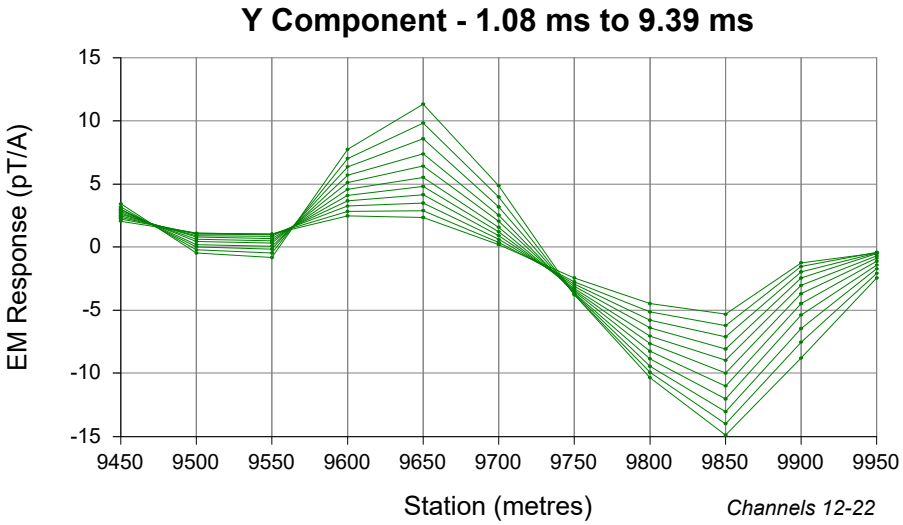
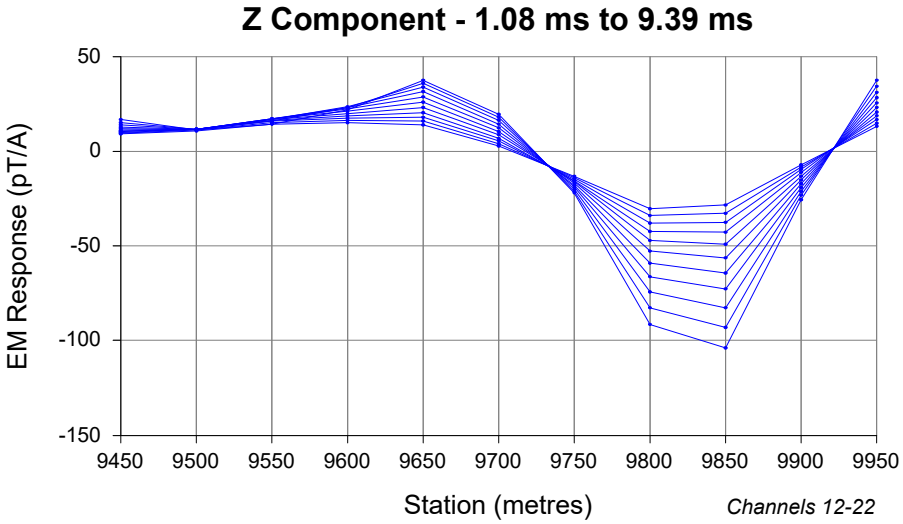








SURVEY PARAMETERS

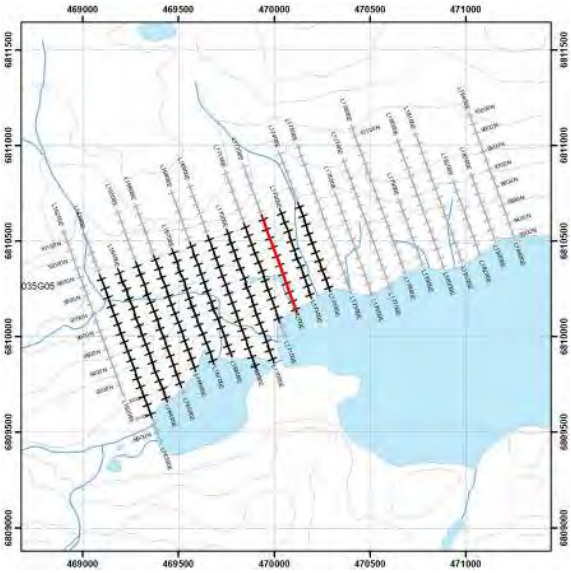
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

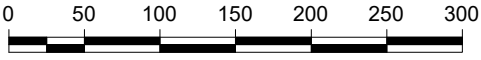
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Joseph Cook
Survey Date: August 2021

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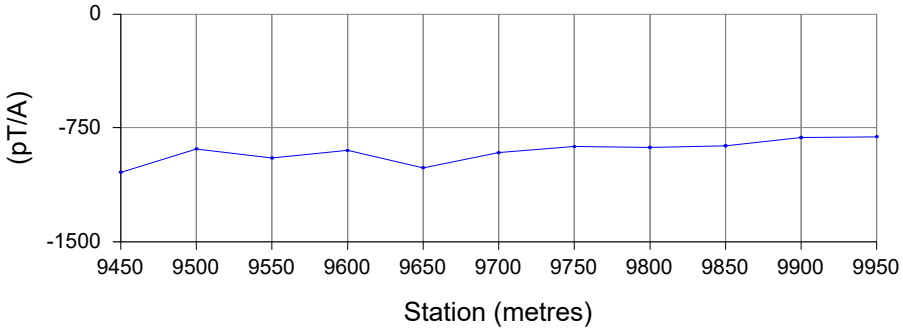
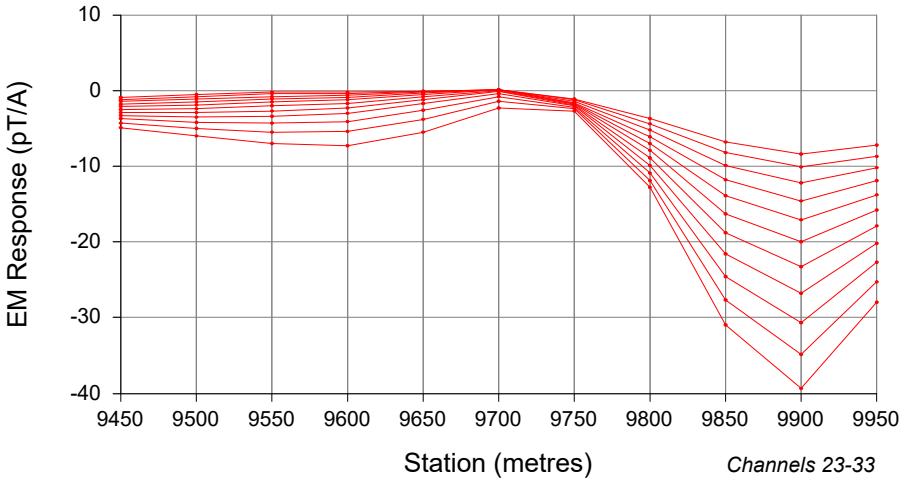
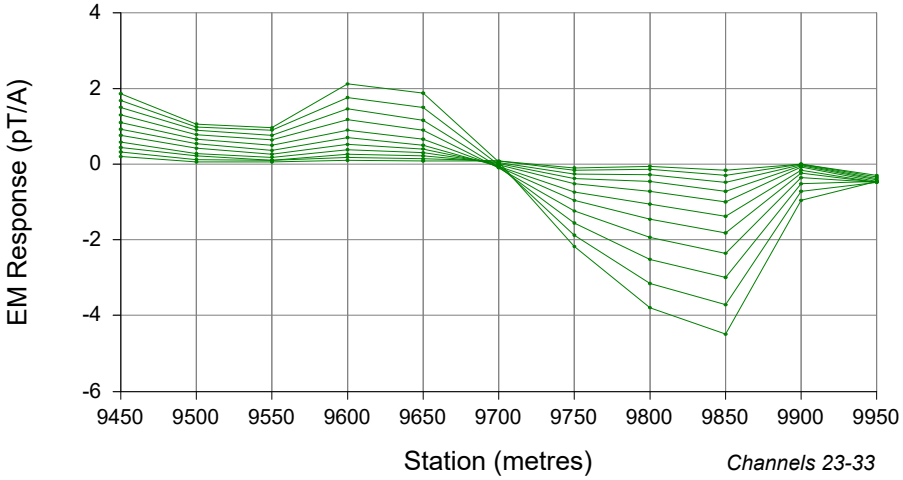
Z Primary Field



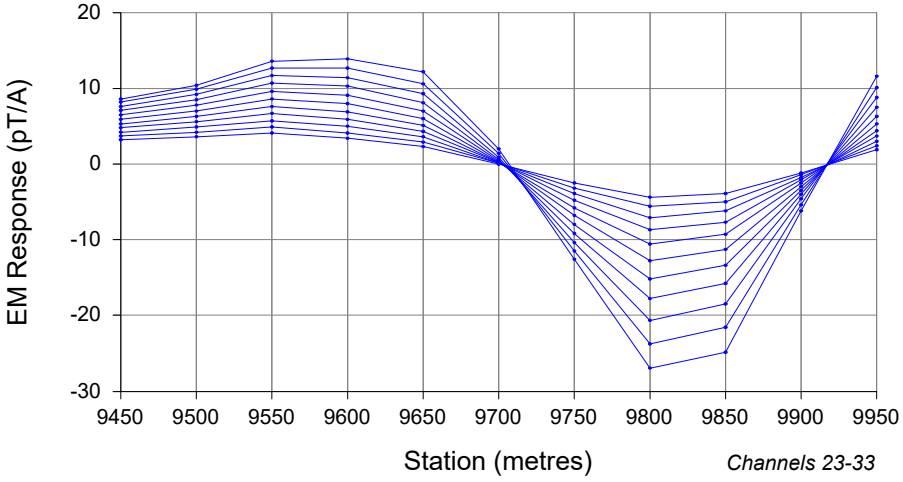
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

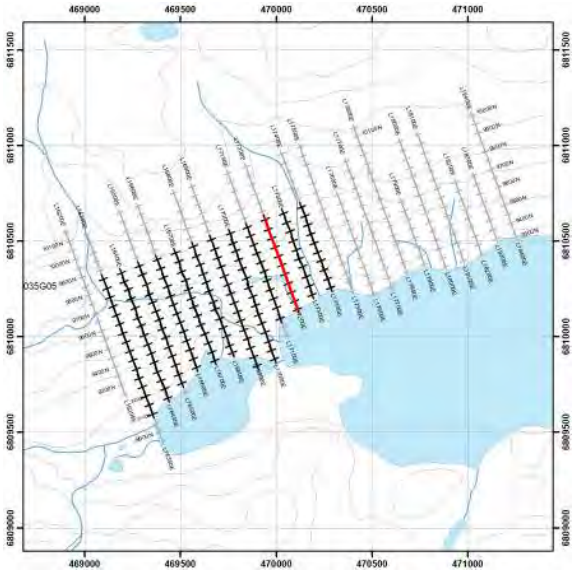
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

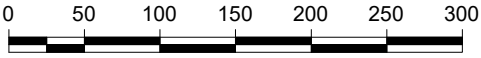
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Joseph Cook
Survey Date: August 2021

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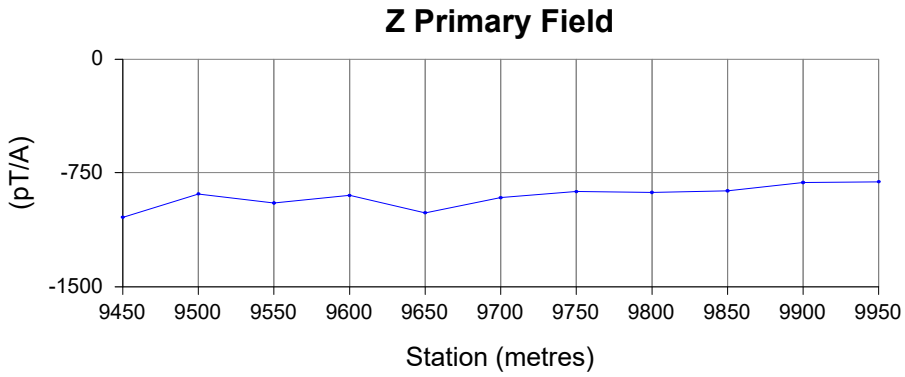
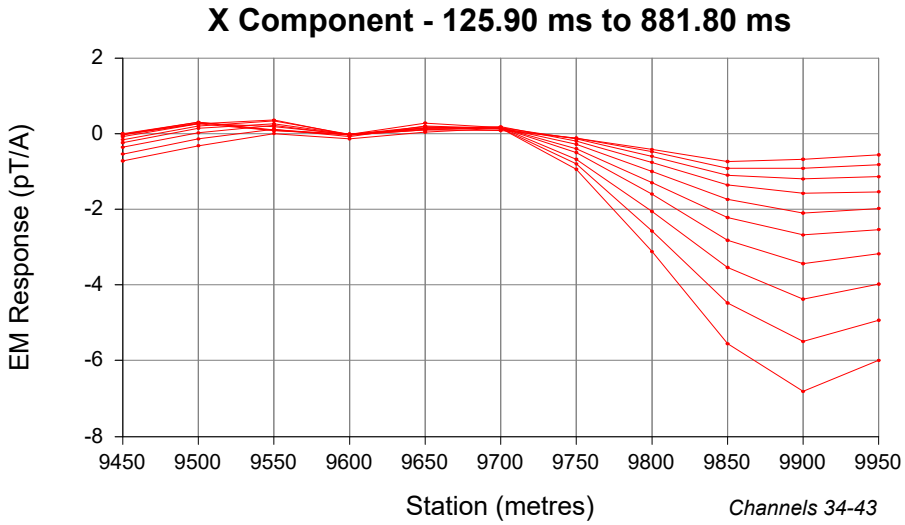
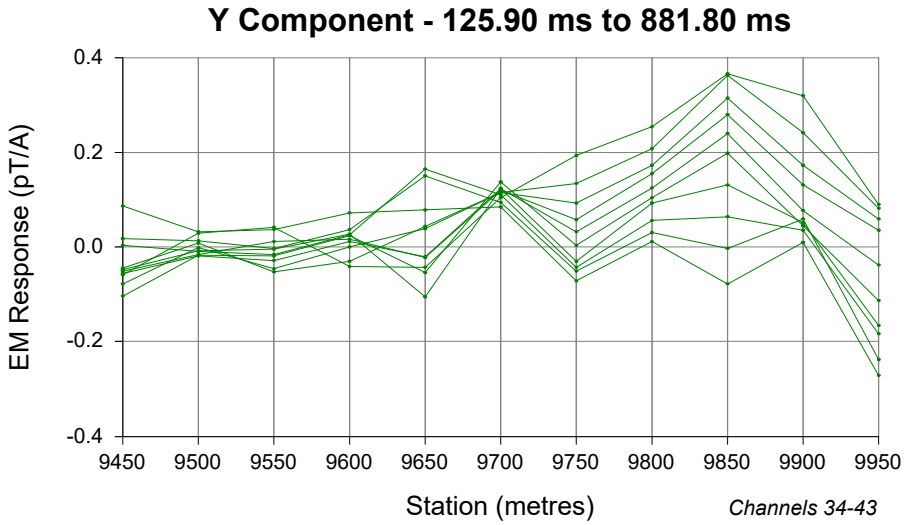
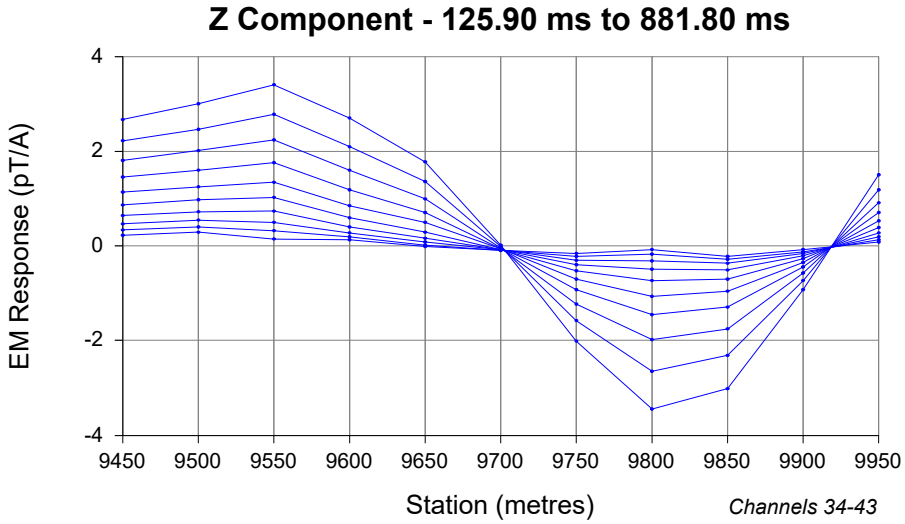








SURVEY PARAMETERS

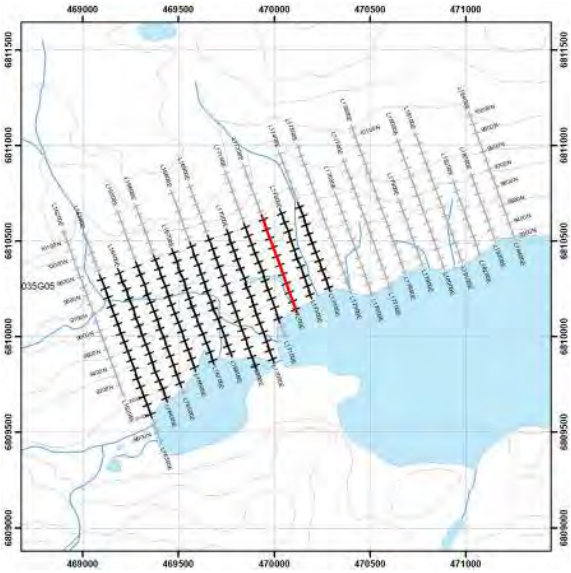
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

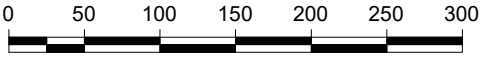
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17200E

Surveyed By: Joseph Cook
Survey Date: August 2021

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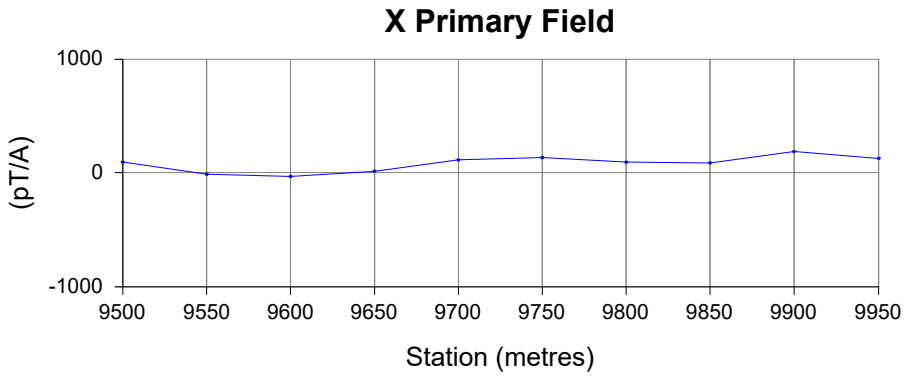
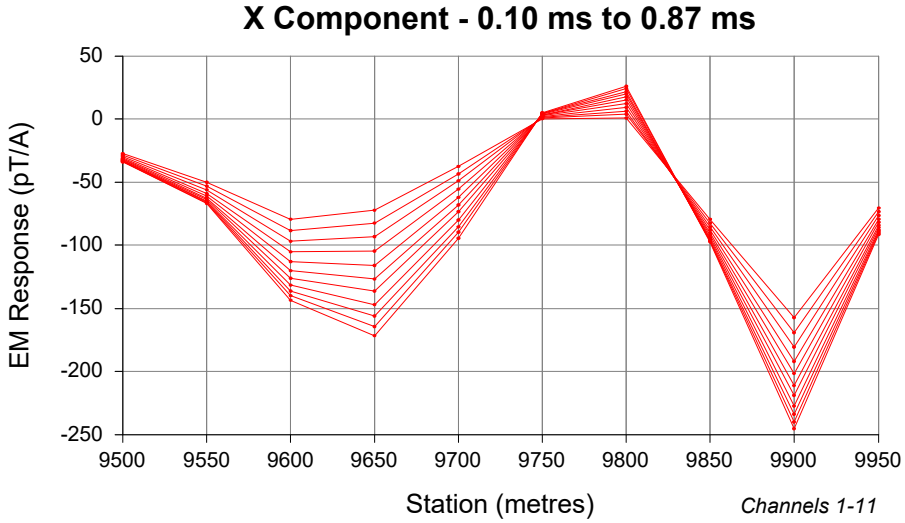
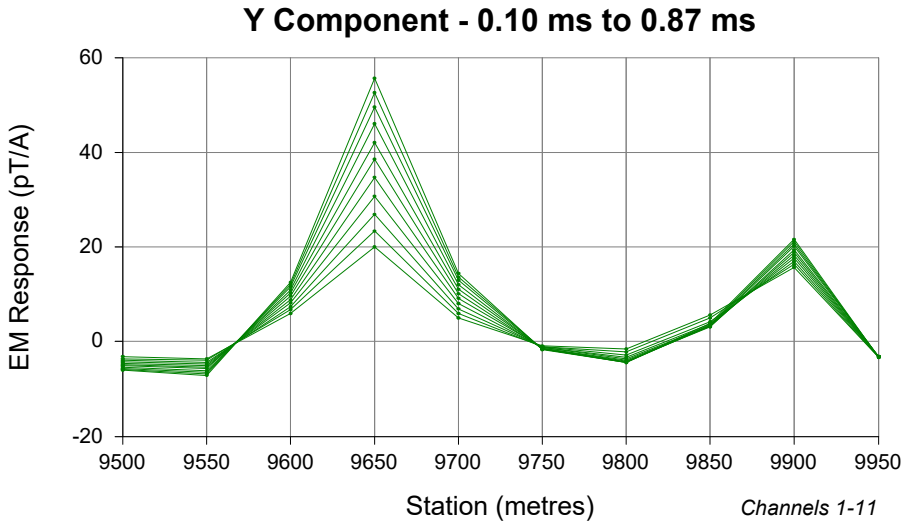
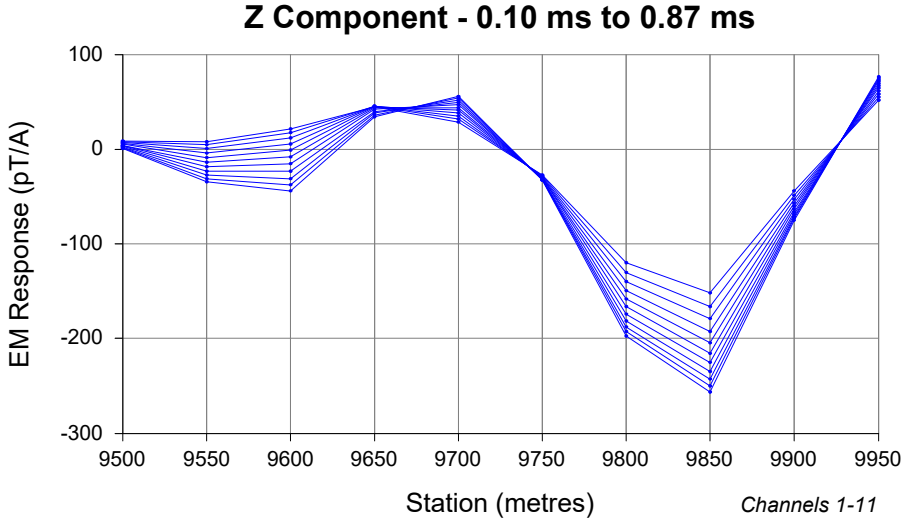








SURVEY PARAMETERS

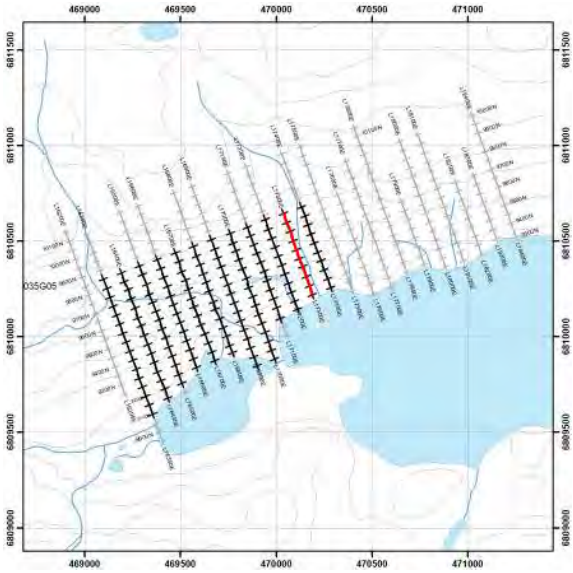
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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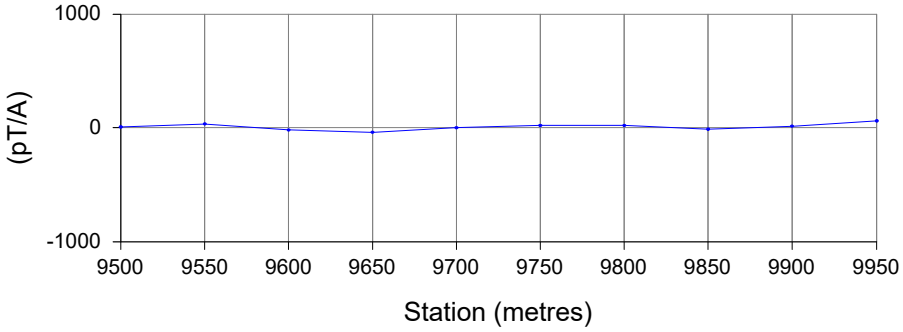
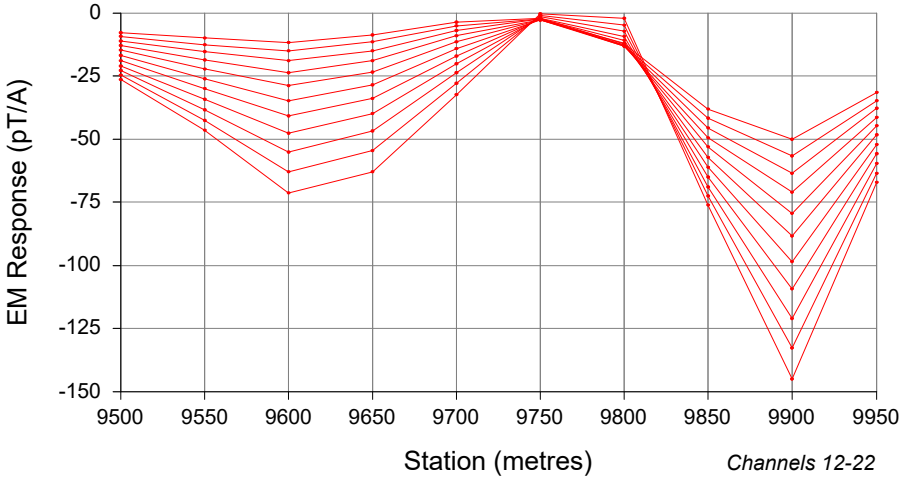
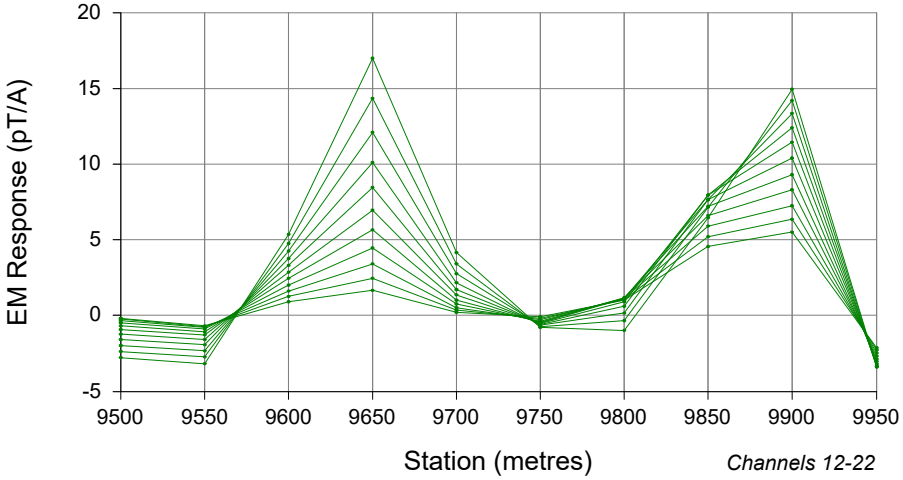
Y Primary Field



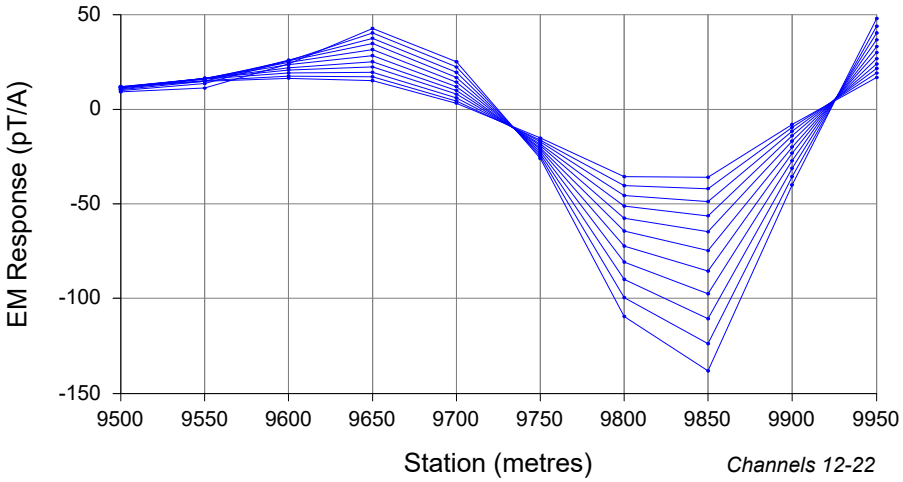
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

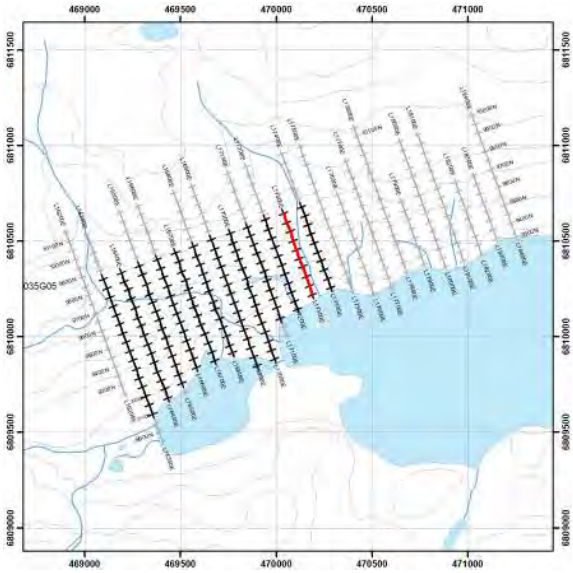
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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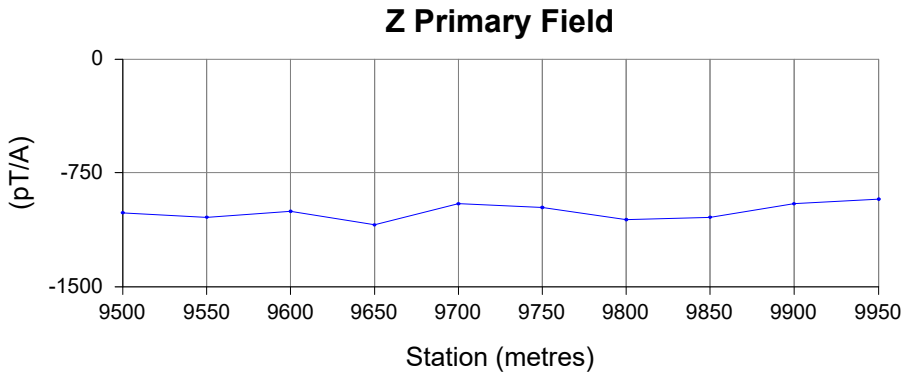
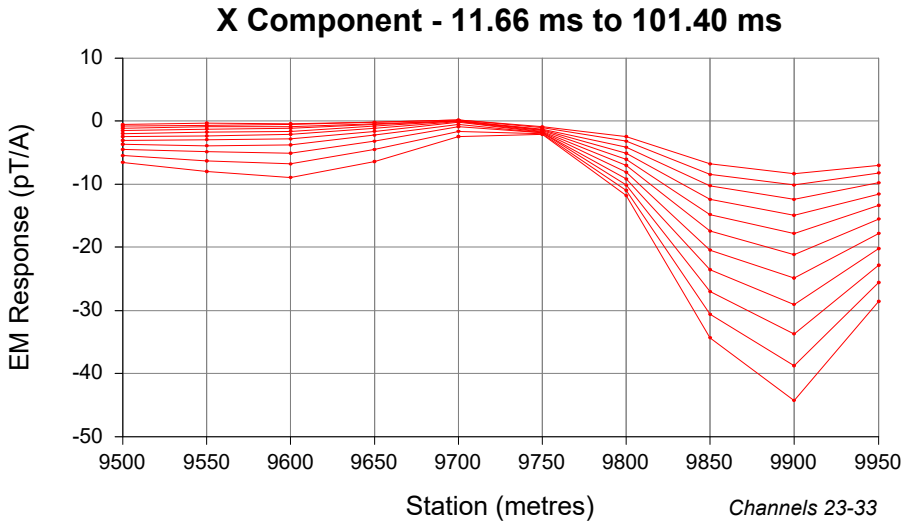
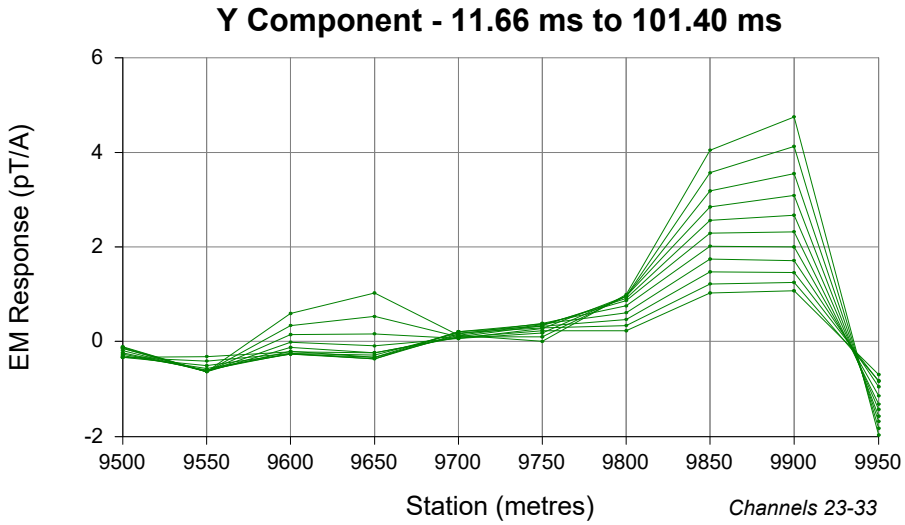
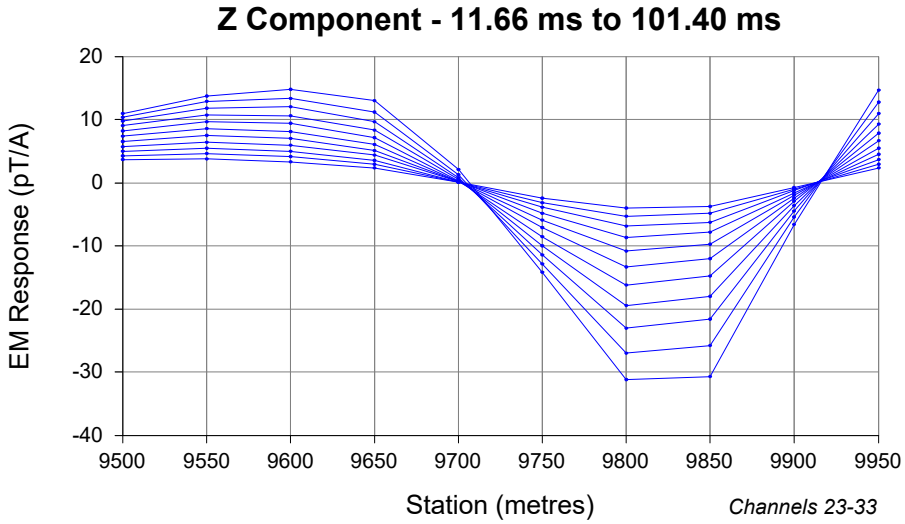








SURVEY PARAMETERS

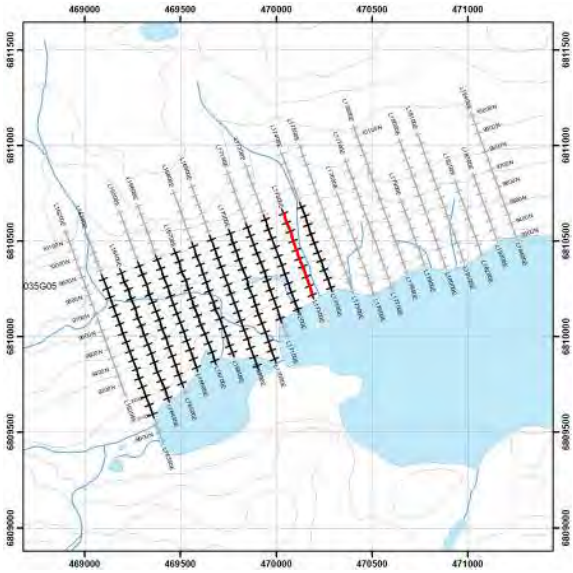
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

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West Raglan Project
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Line 17300E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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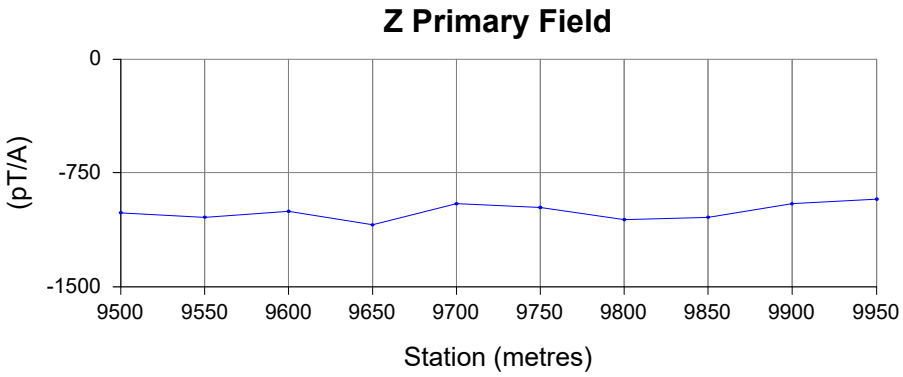
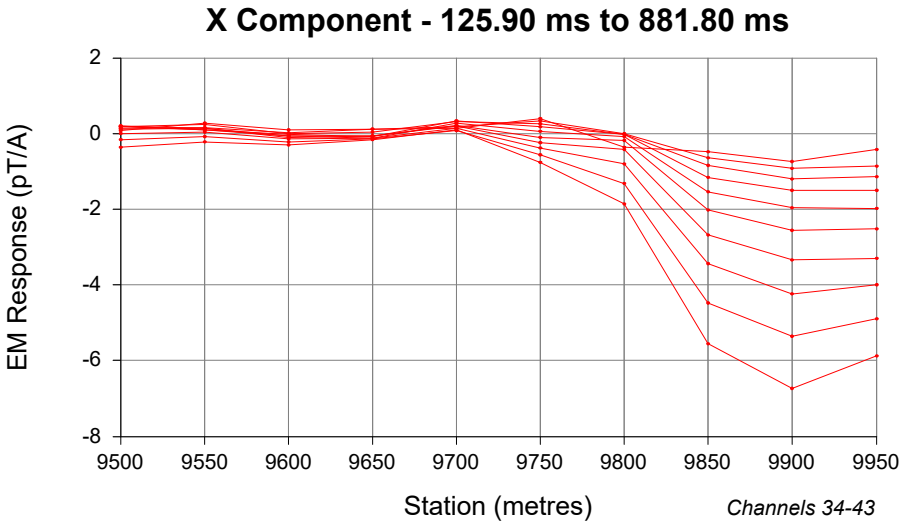
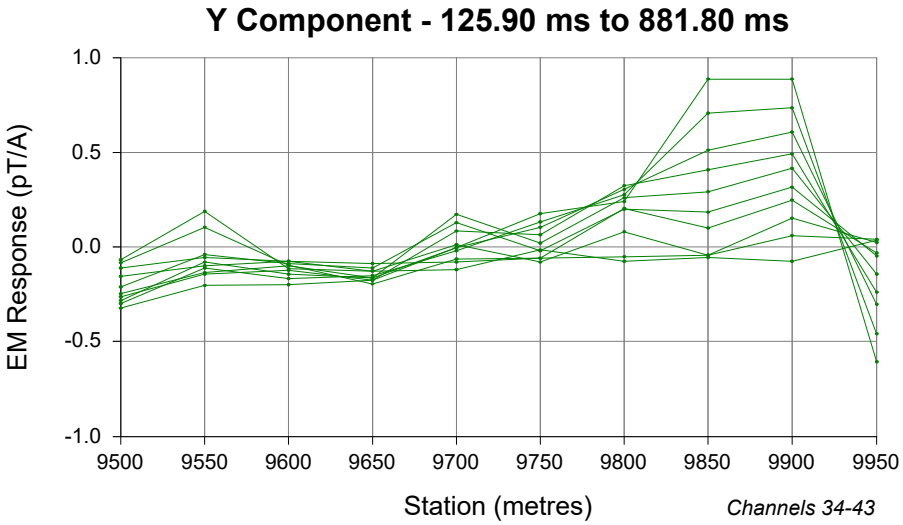
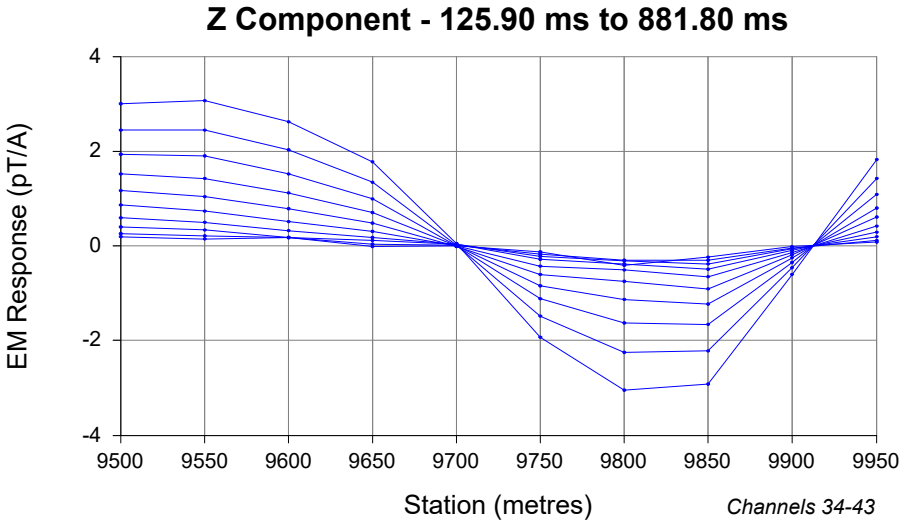








SURVEY PARAMETERS

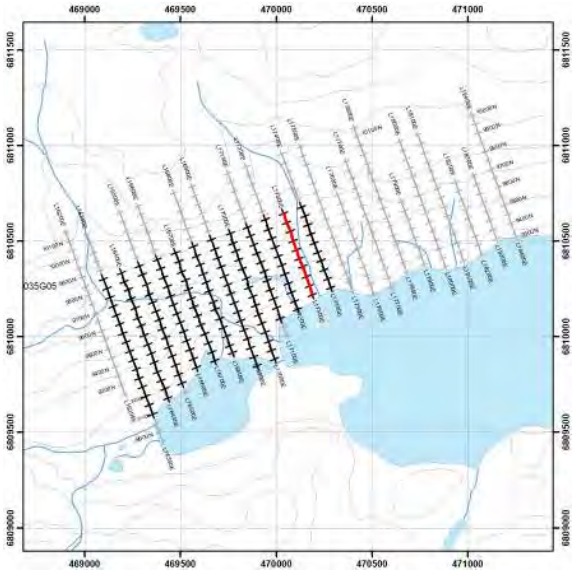
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17300E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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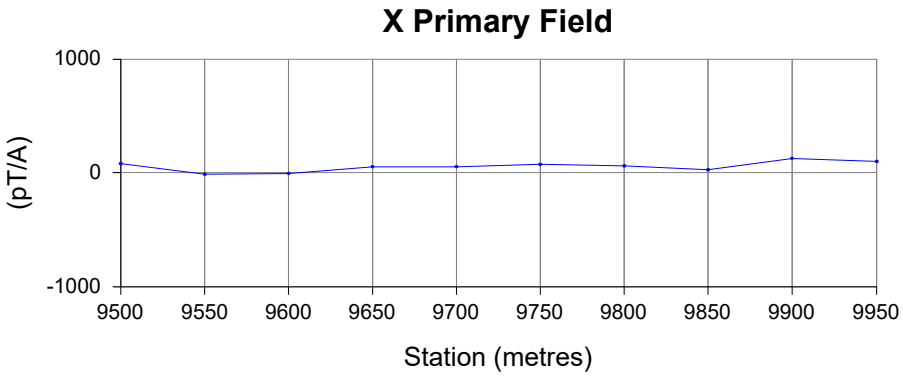
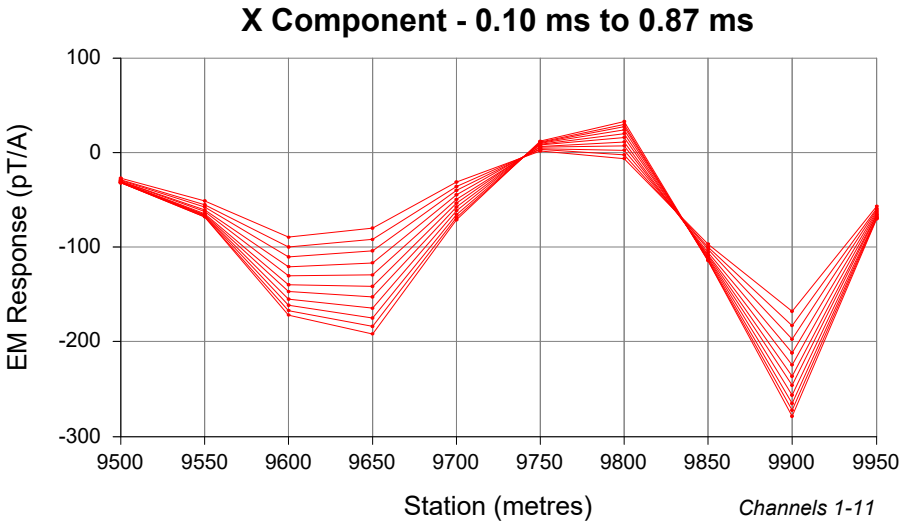
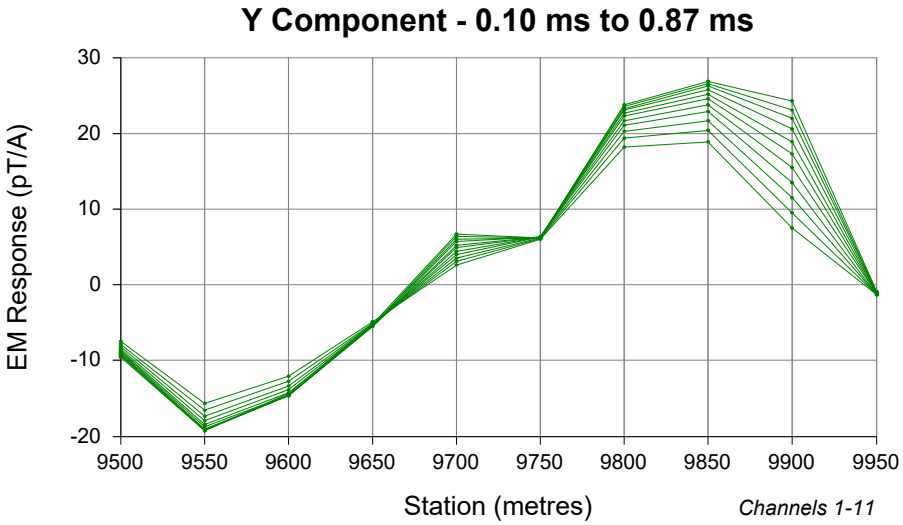
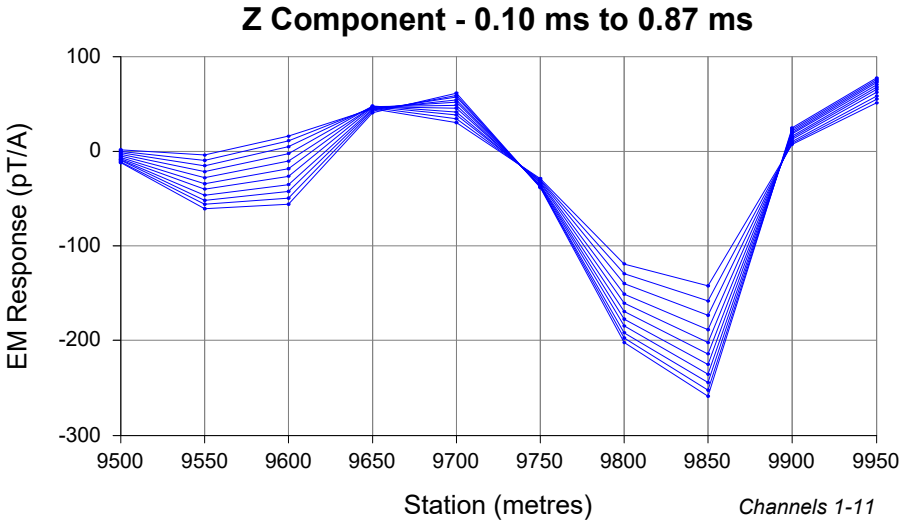








SURVEY PARAMETERS

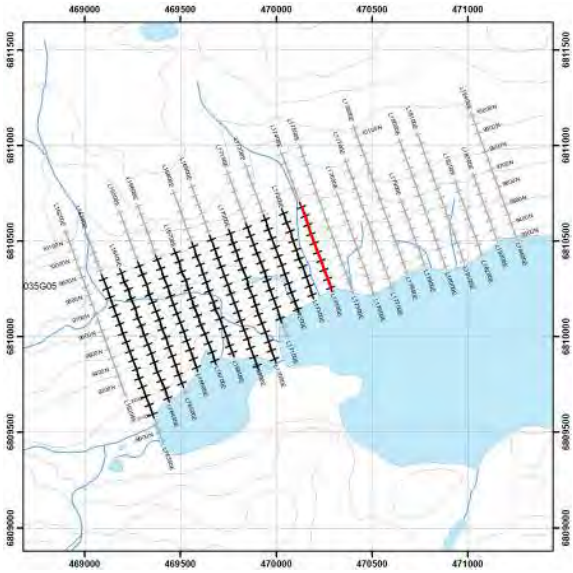
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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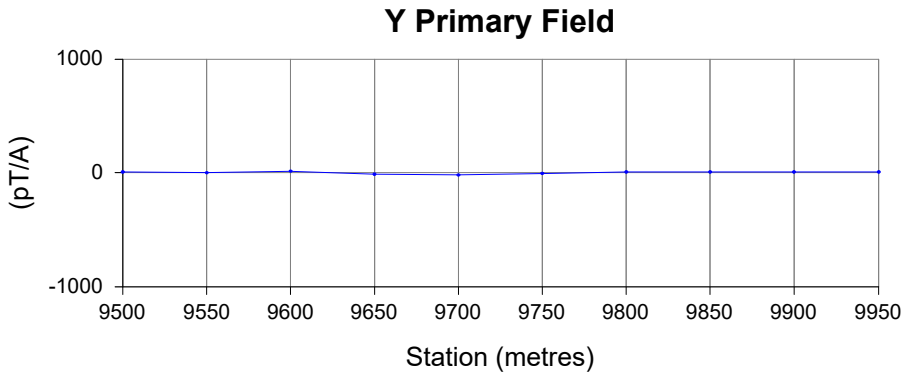
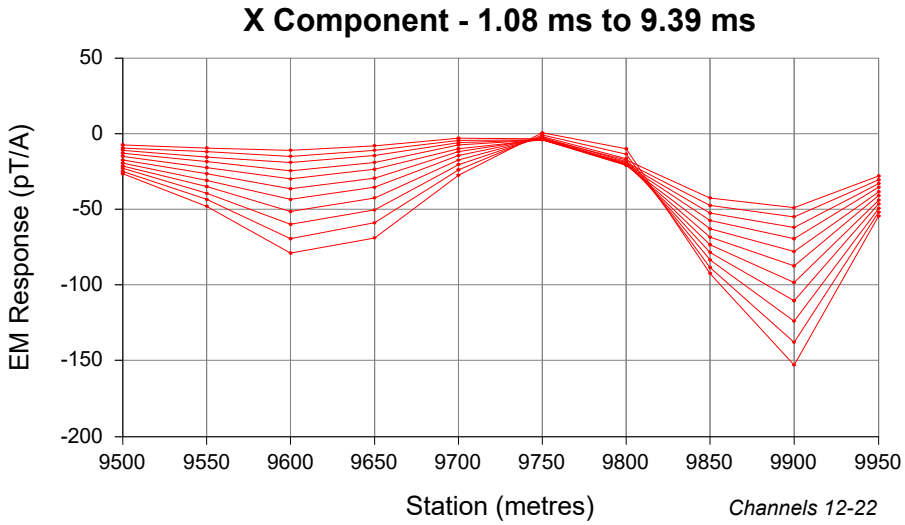
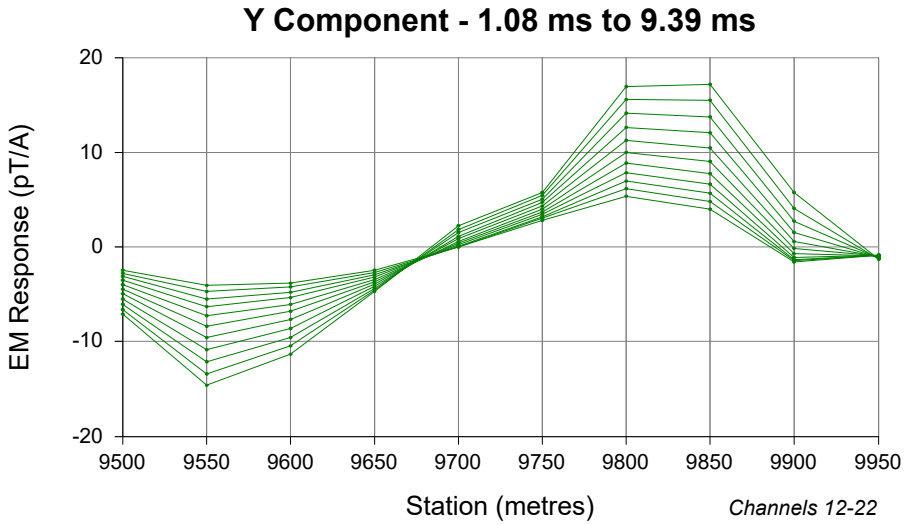
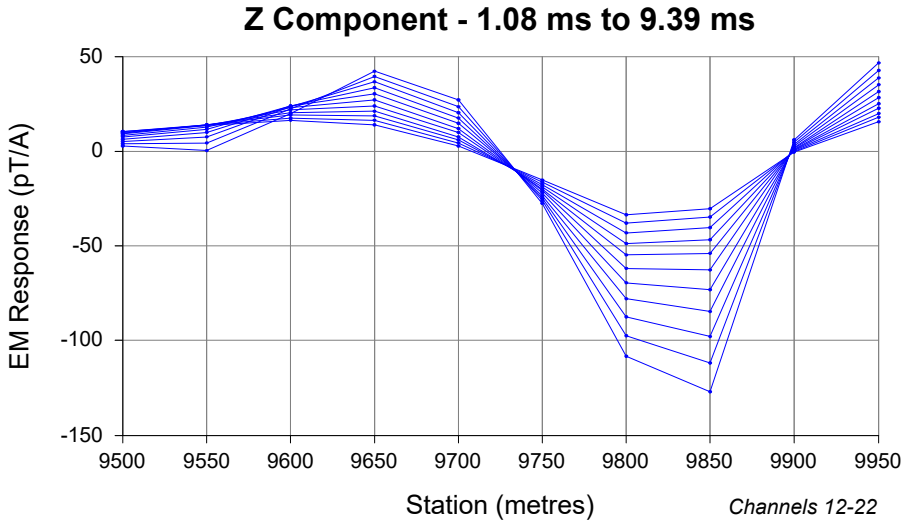








SURVEY PARAMETERS

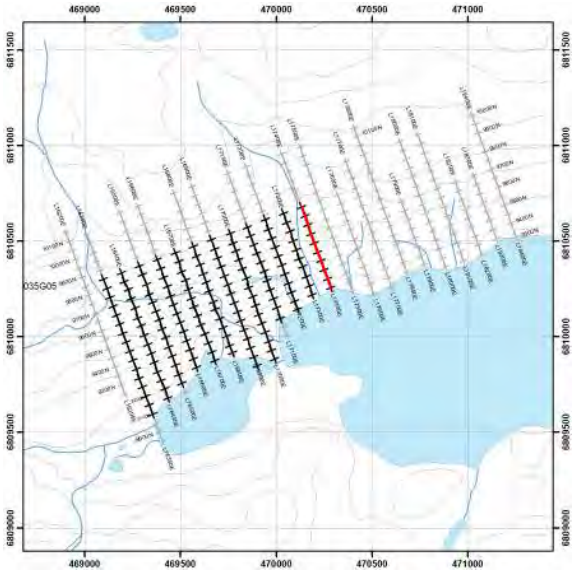
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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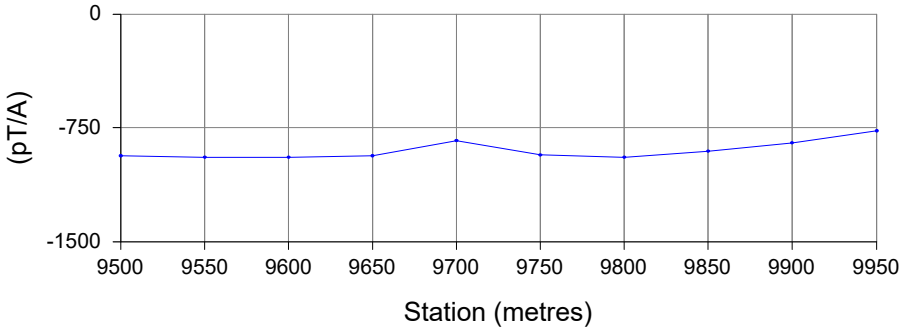
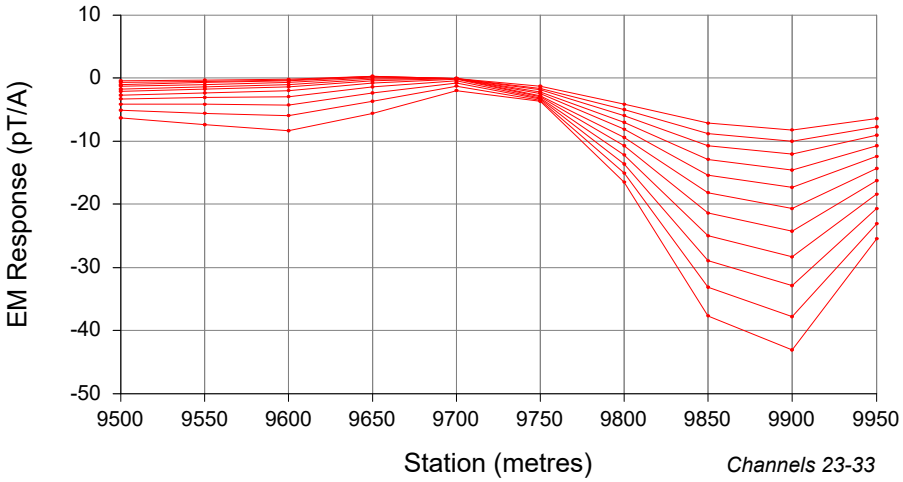
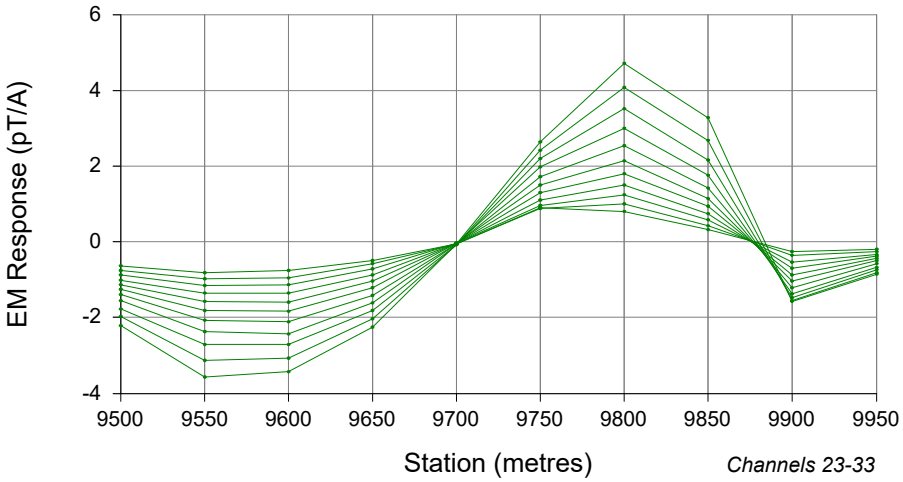
Z Primary Field



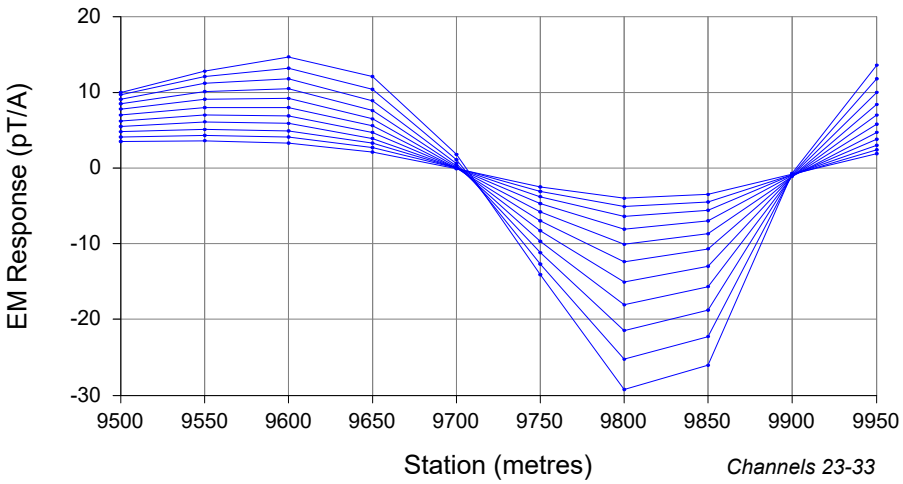
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

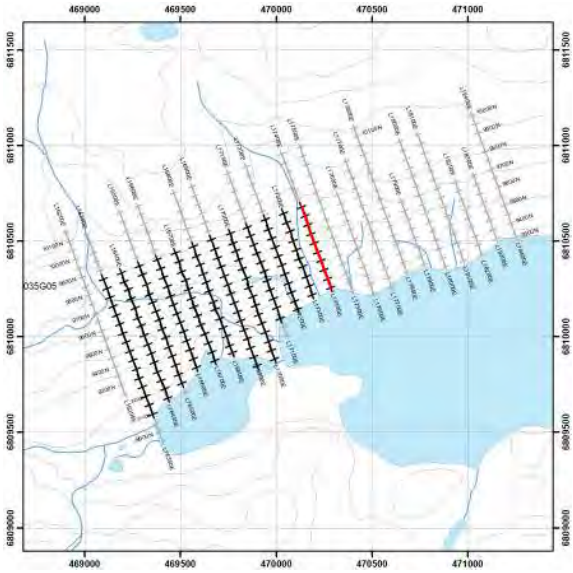
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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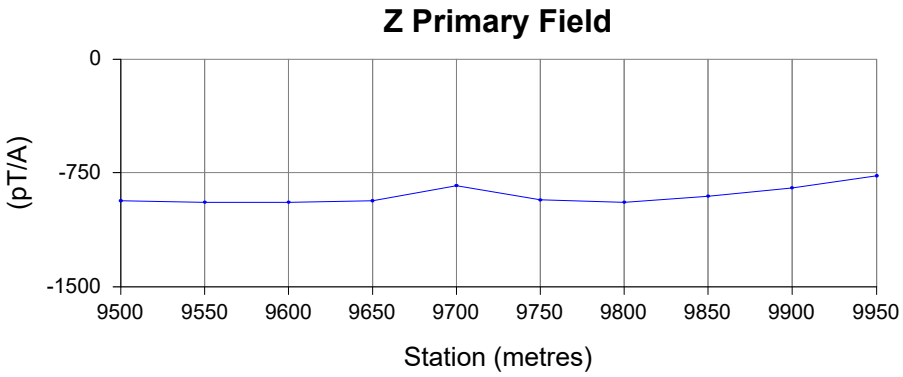
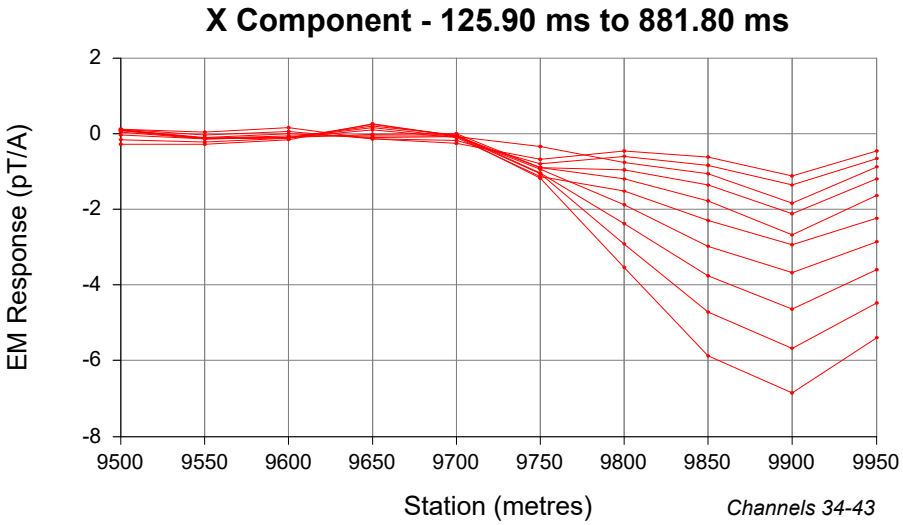
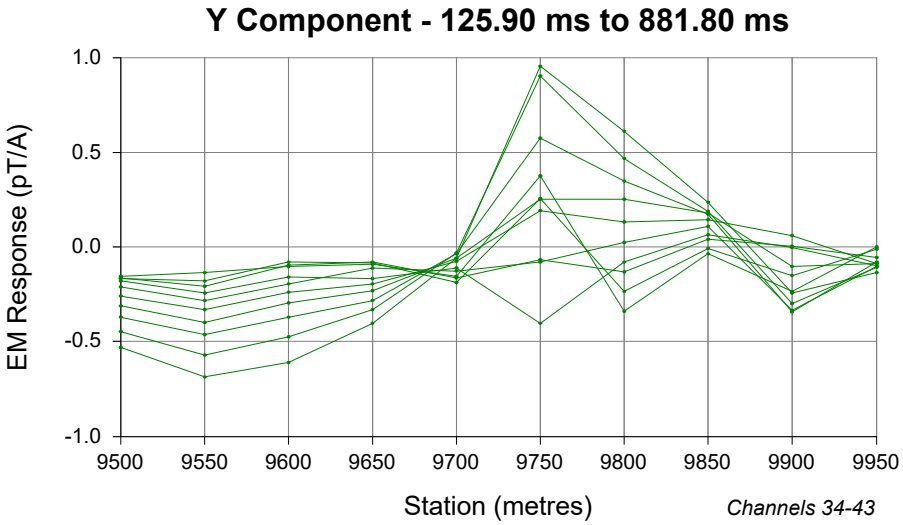
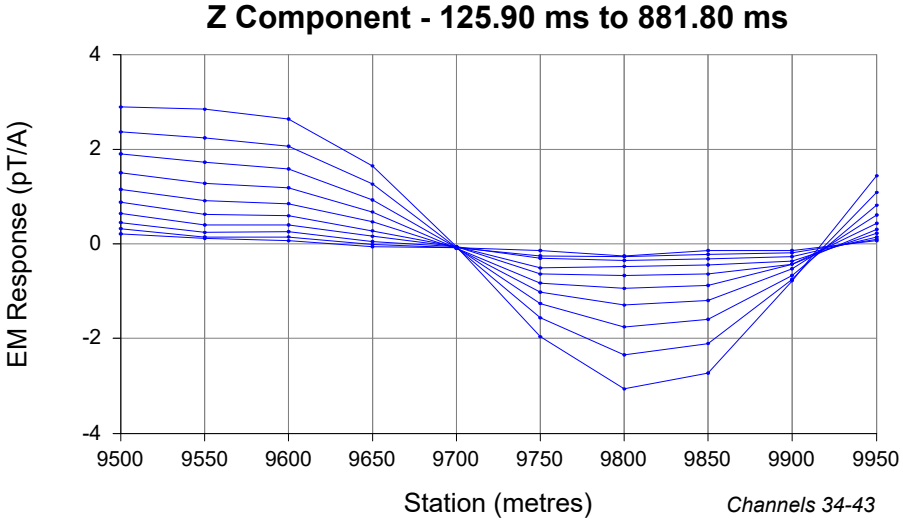








SURVEY PARAMETERS

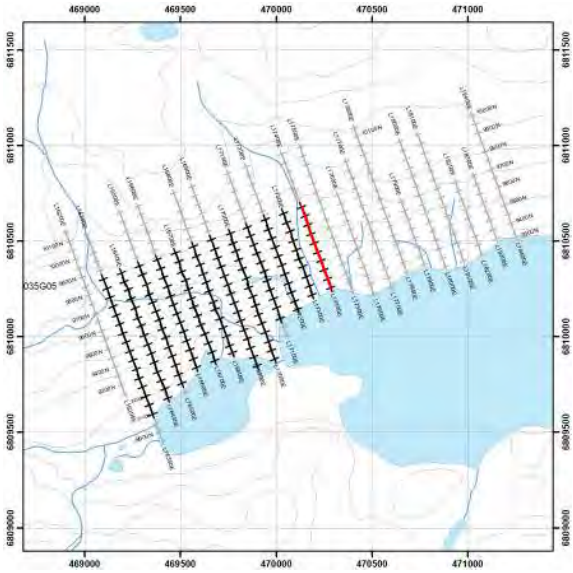
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 43.0 A
Turn Off	: 0.500 ms



Scale 1:4500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17400E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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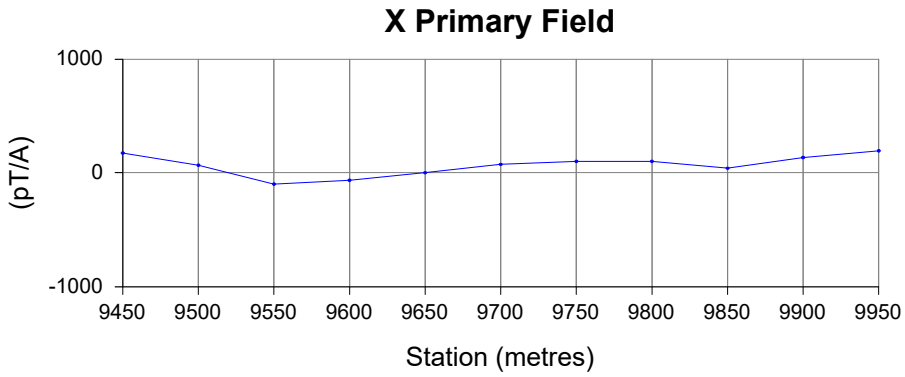
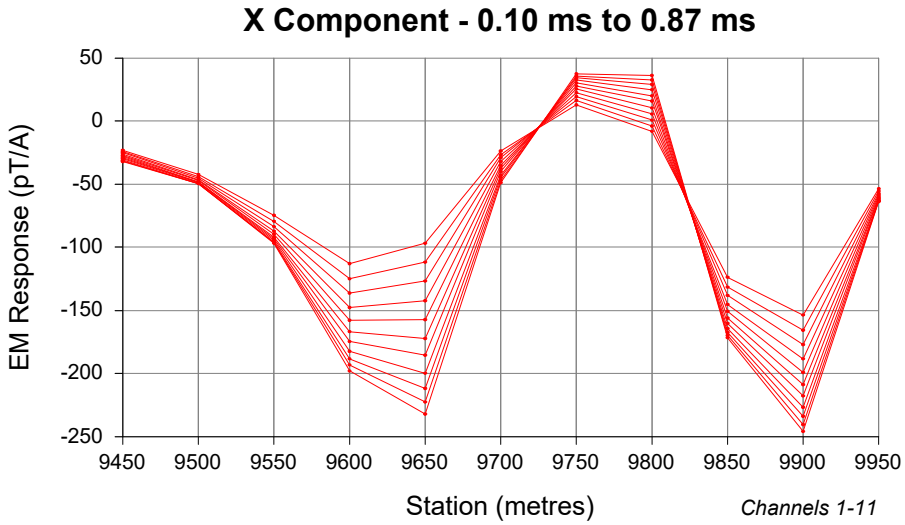
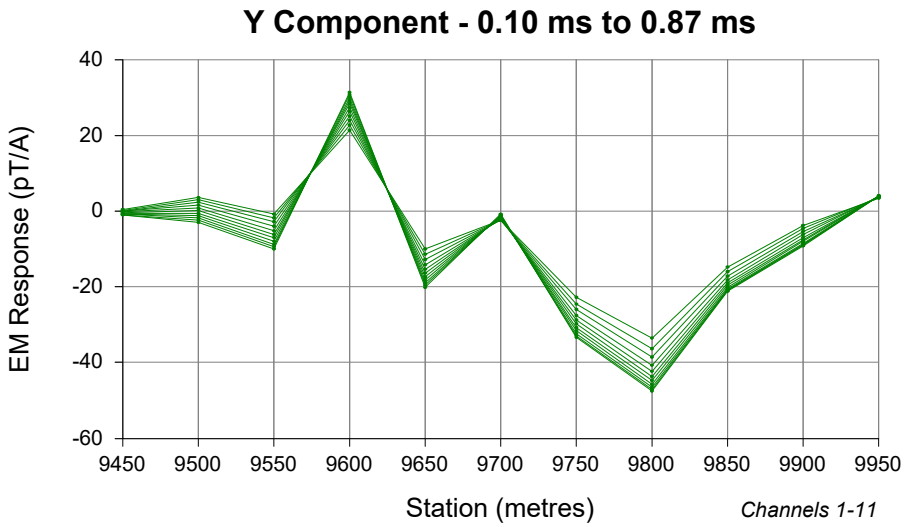
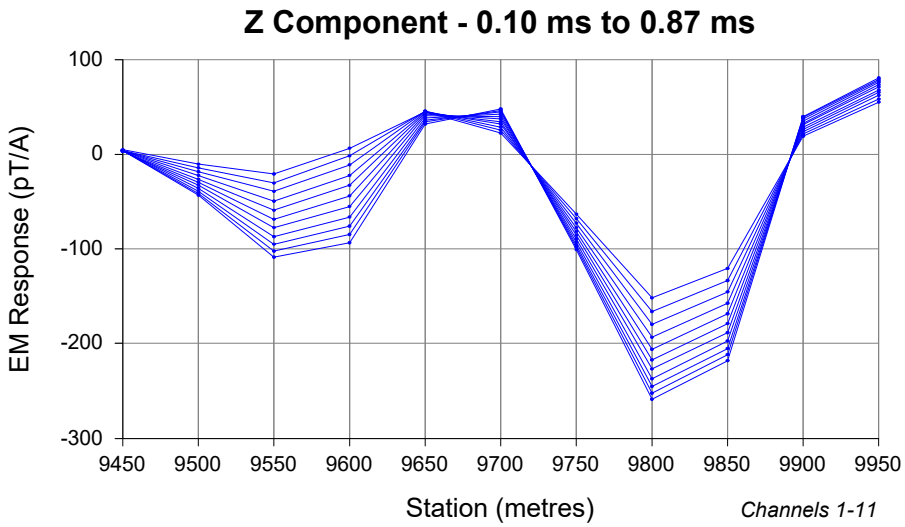








SURVEY PARAMETERS

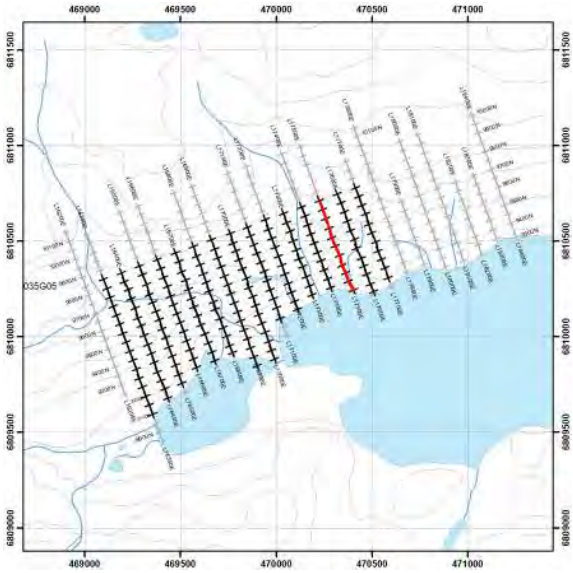
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

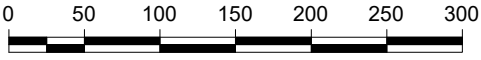
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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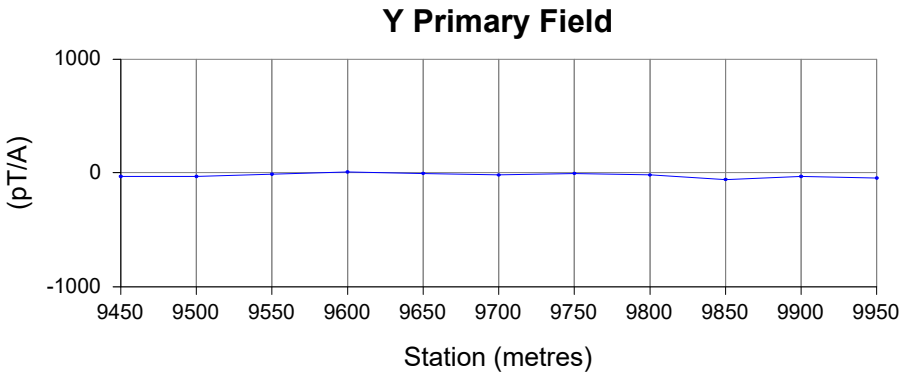
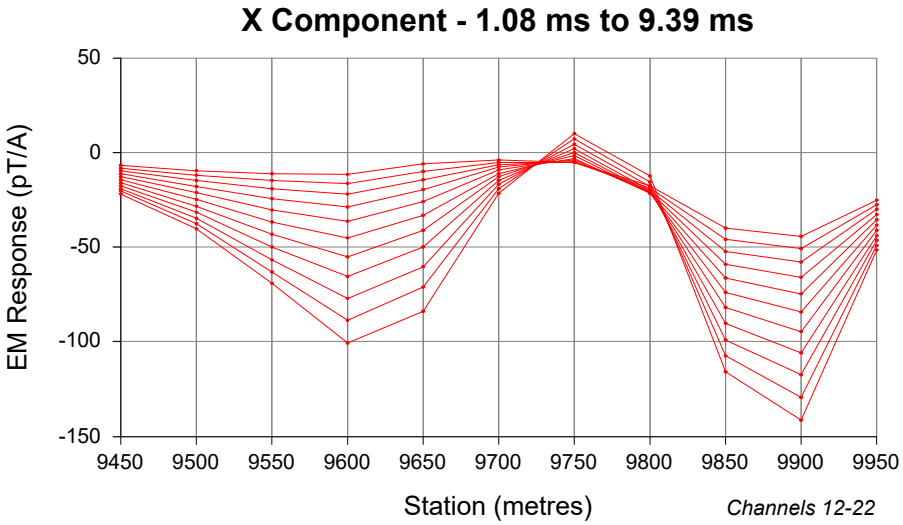
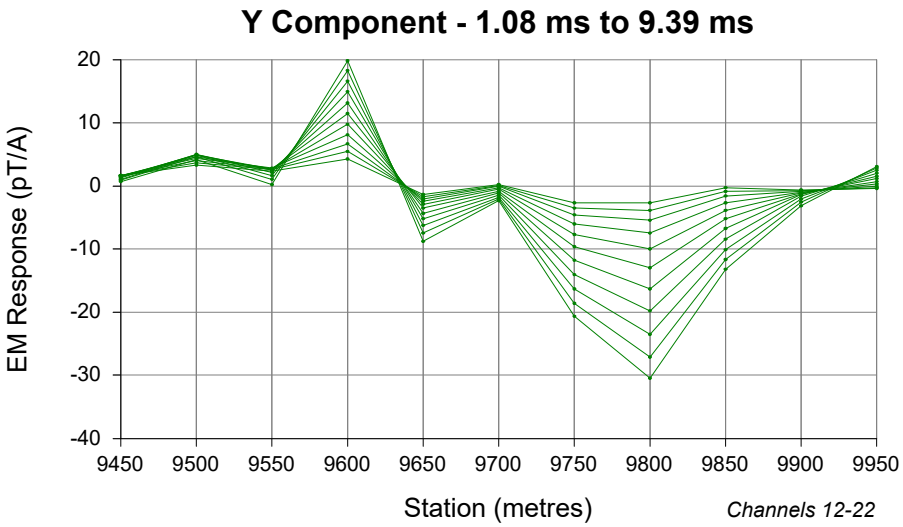
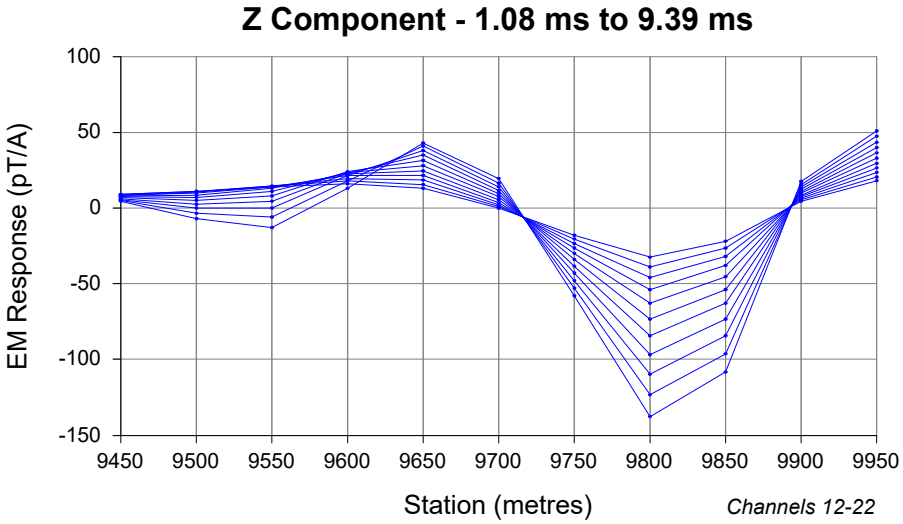








SURVEY PARAMETERS

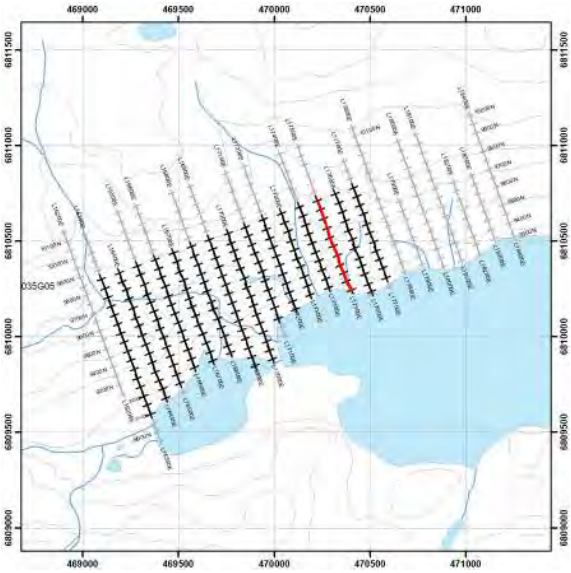
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

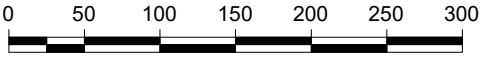
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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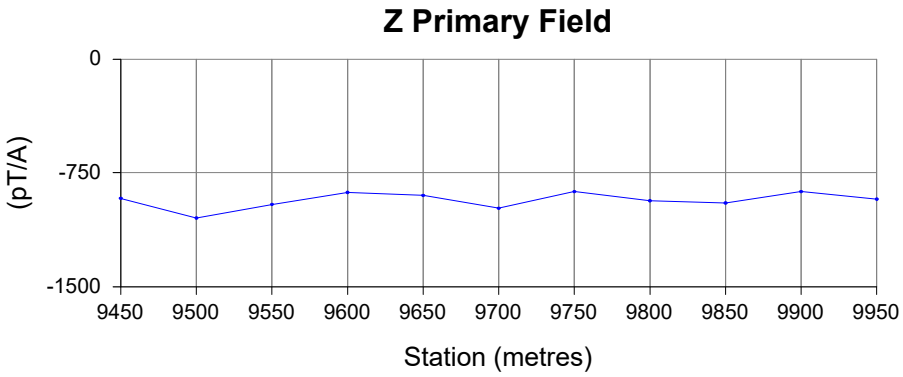
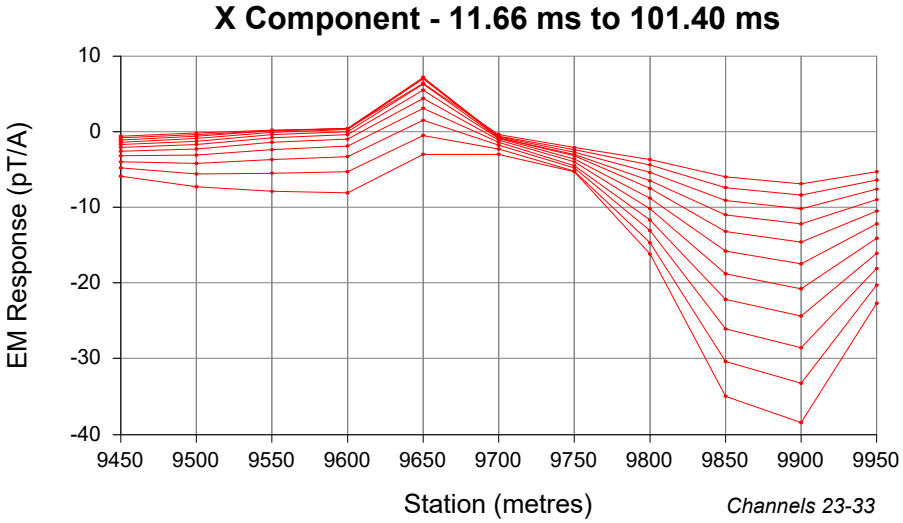
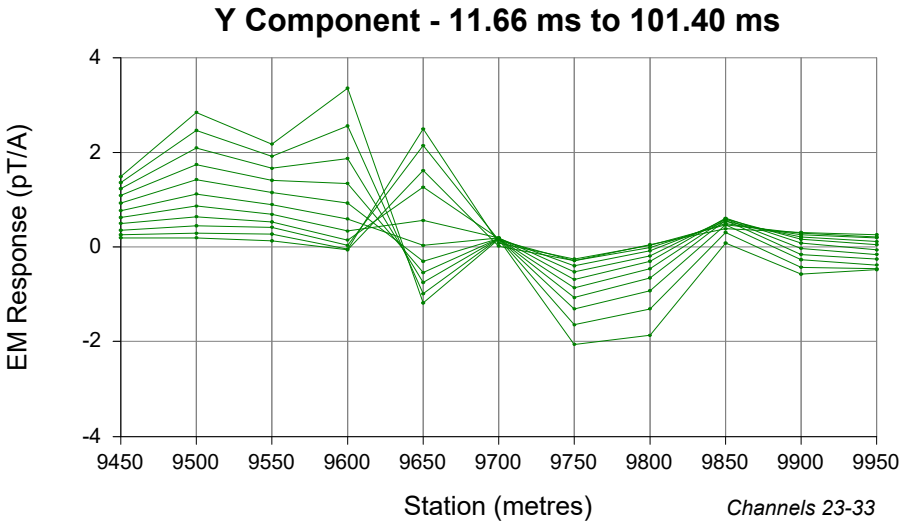
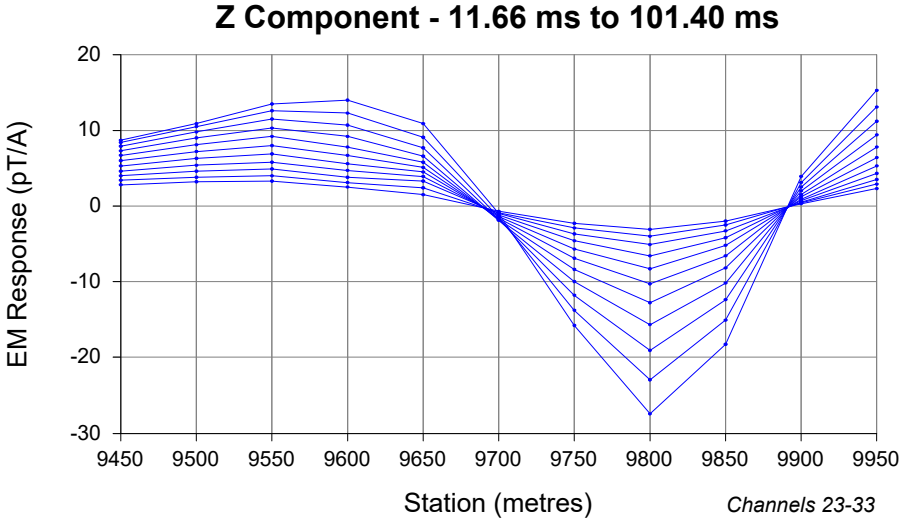








SURVEY PARAMETERS

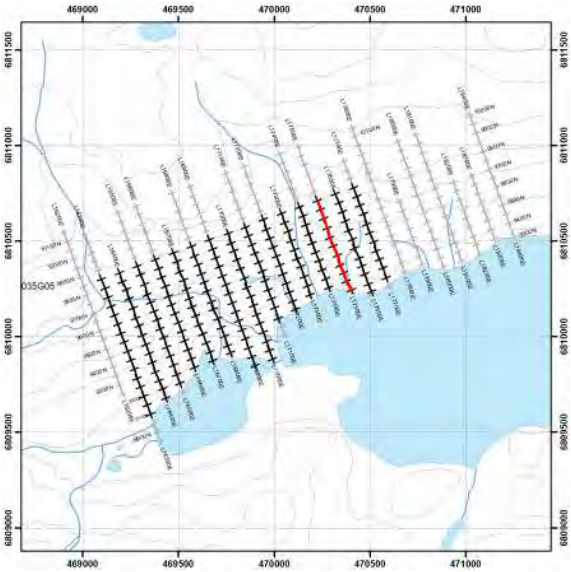
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

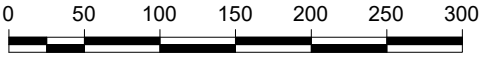
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17500E

Surveyed By: Joseph Cook
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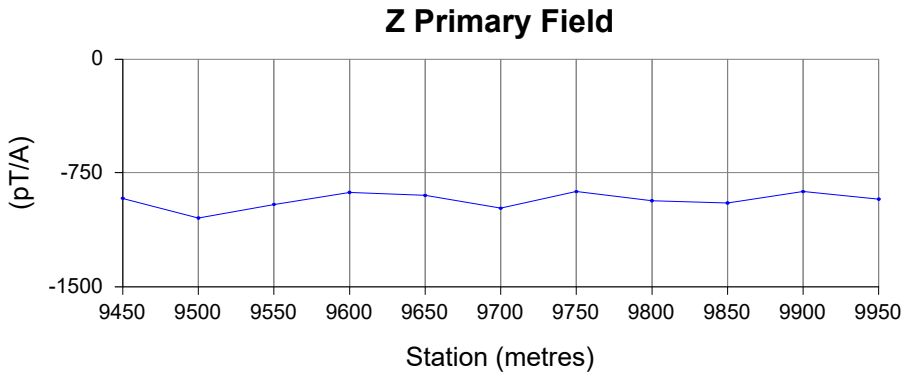
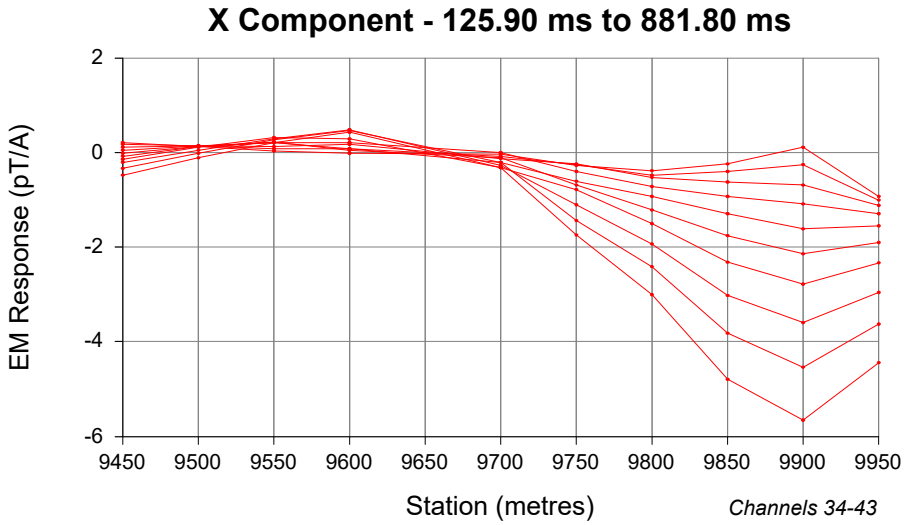
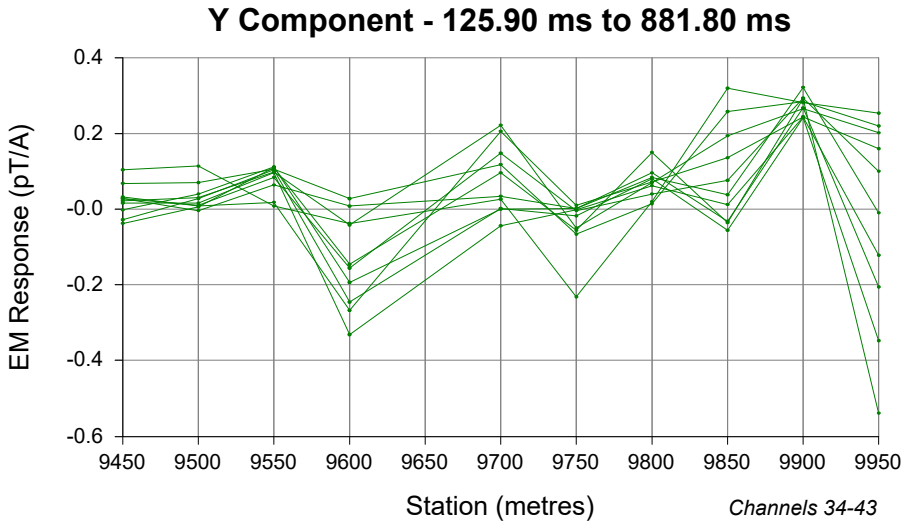
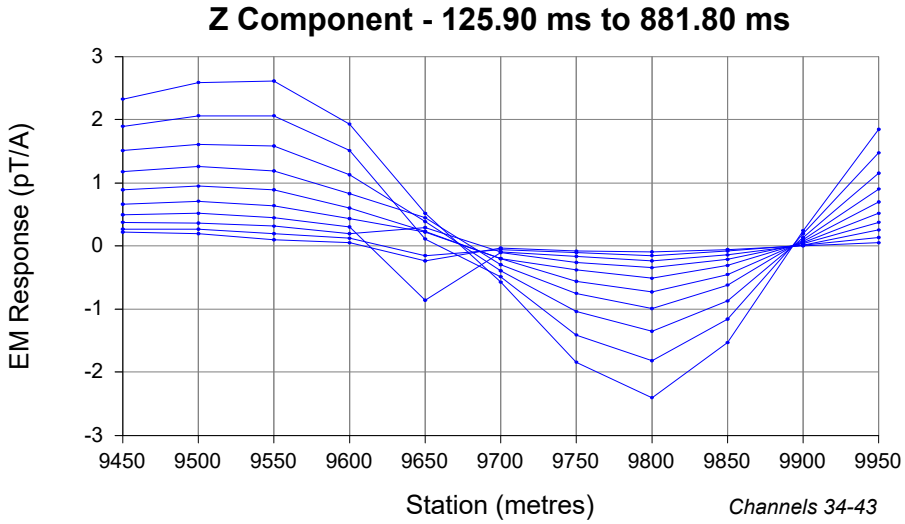








SURVEY PARAMETERS

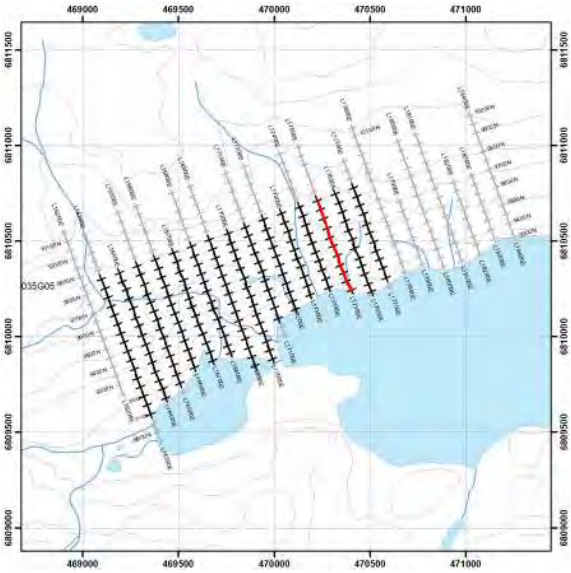
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

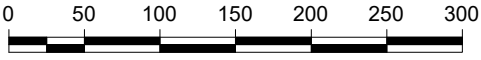
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17500E

Surveyed By: Joseph Cook
Survey Date: August 2021

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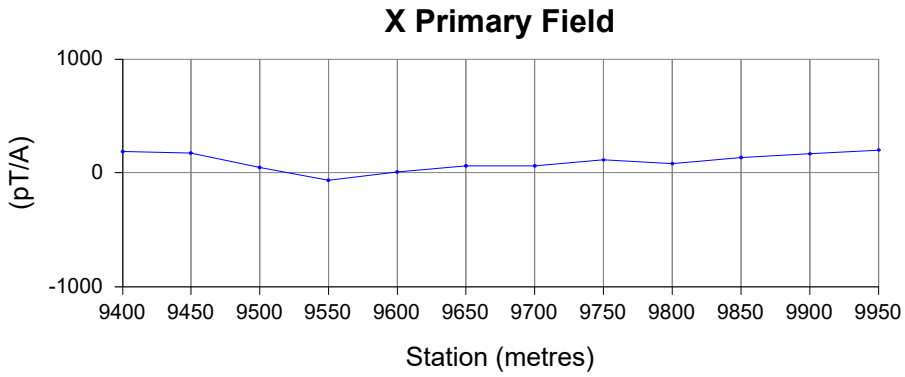
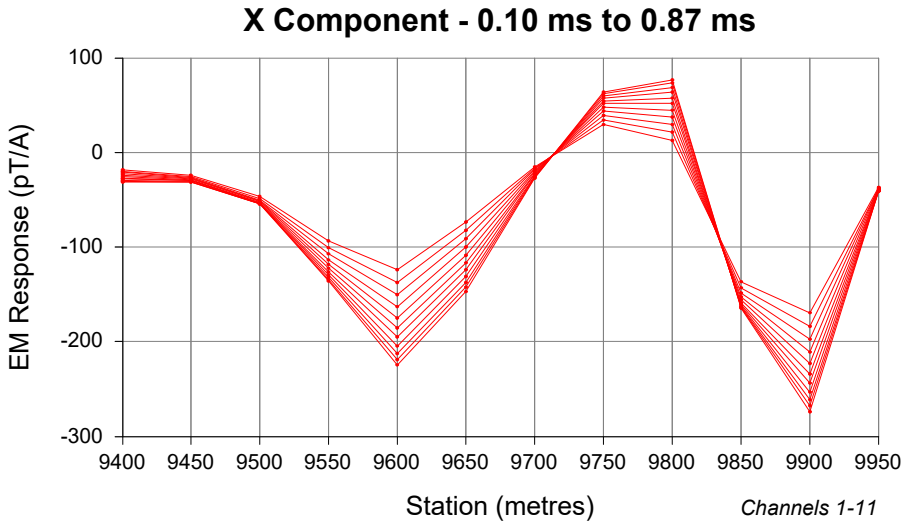
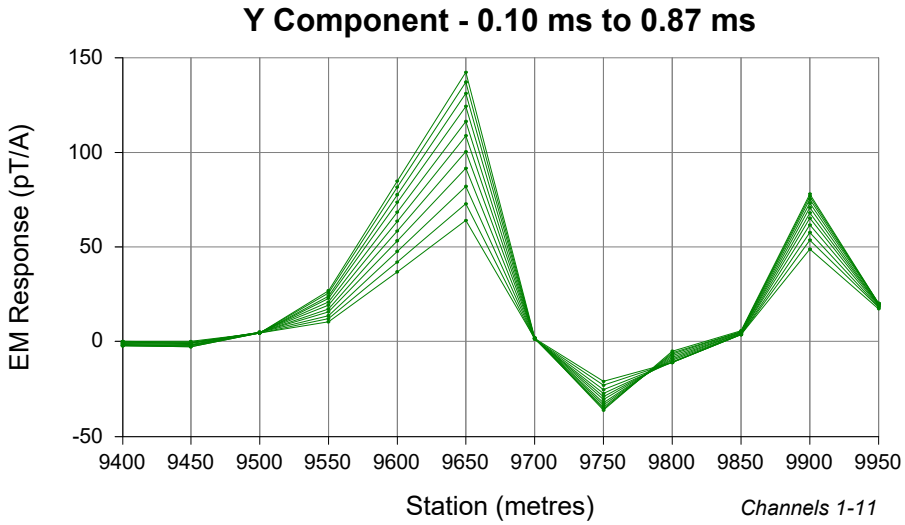
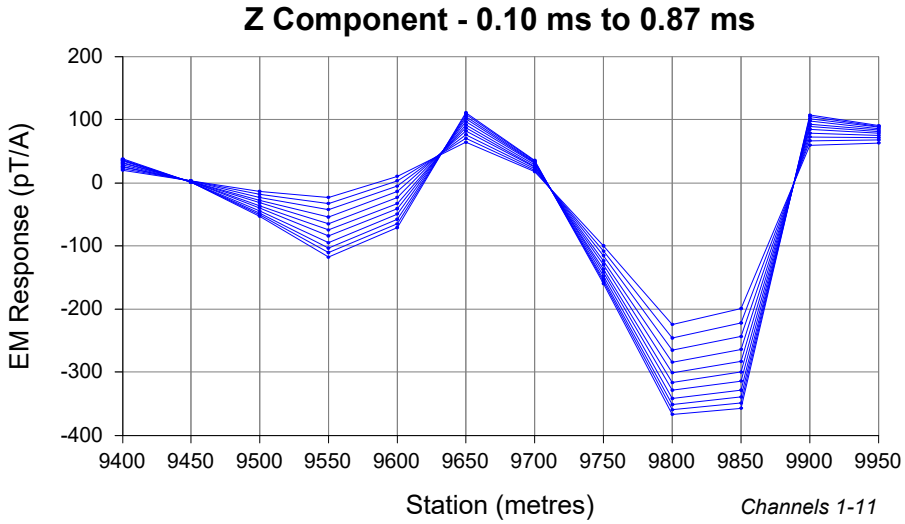








SURVEY PARAMETERS

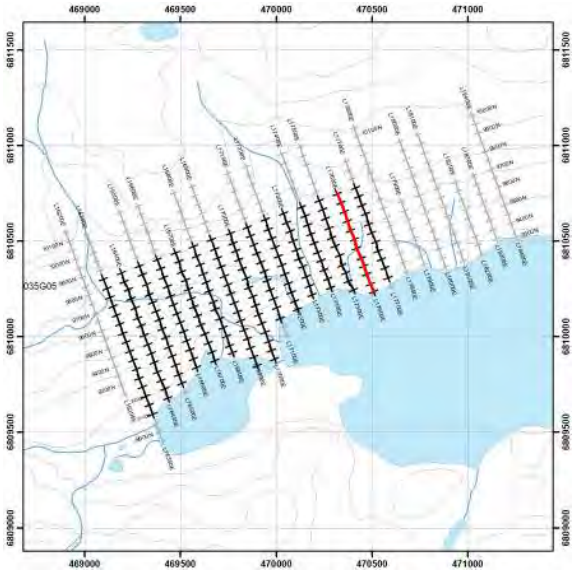
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

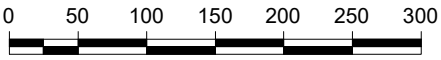
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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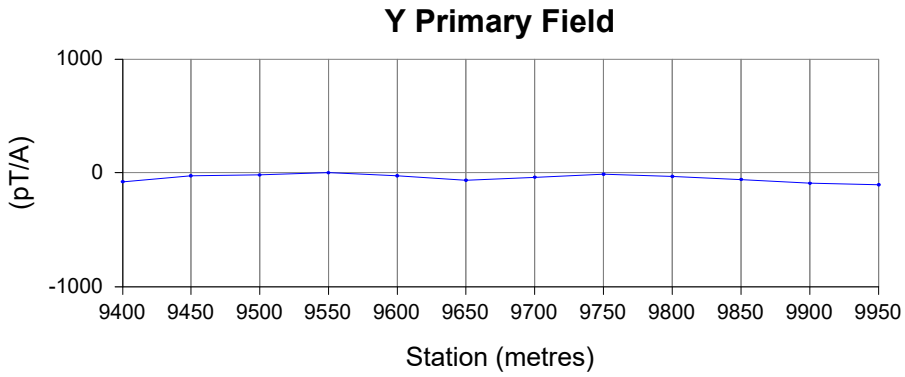
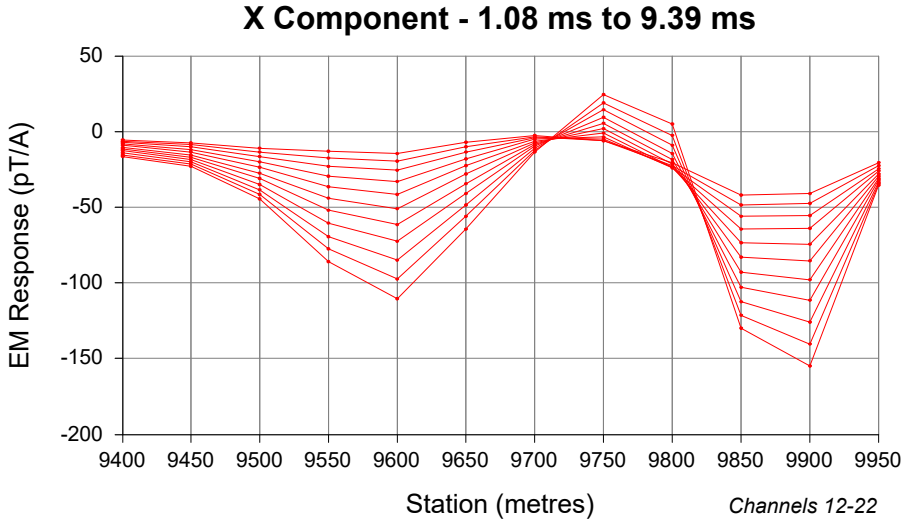
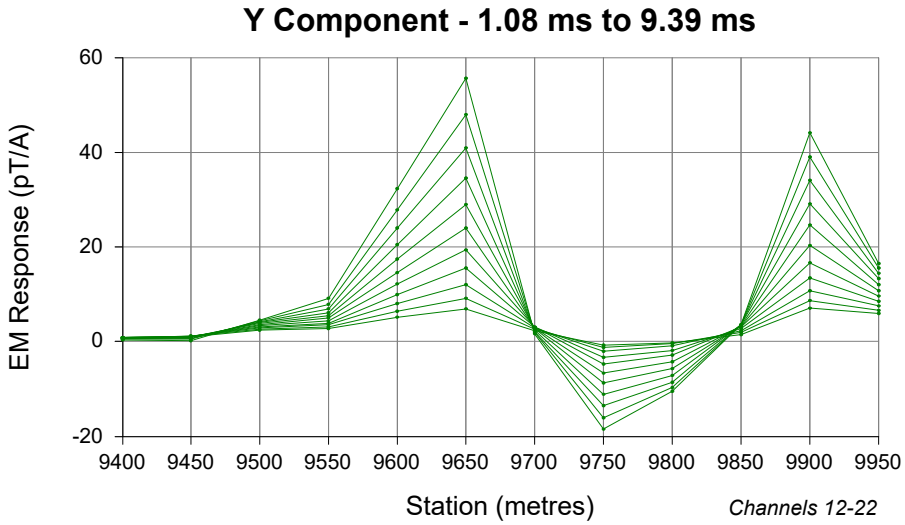
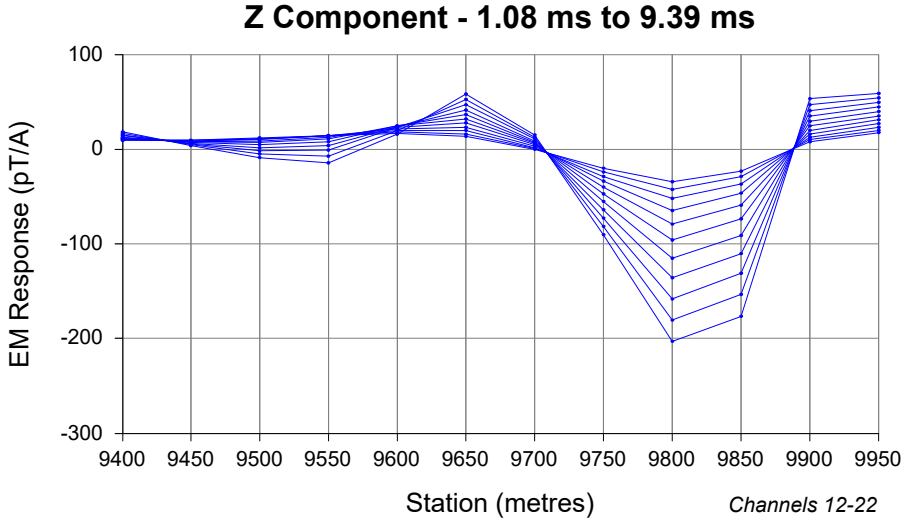








SURVEY PARAMETERS

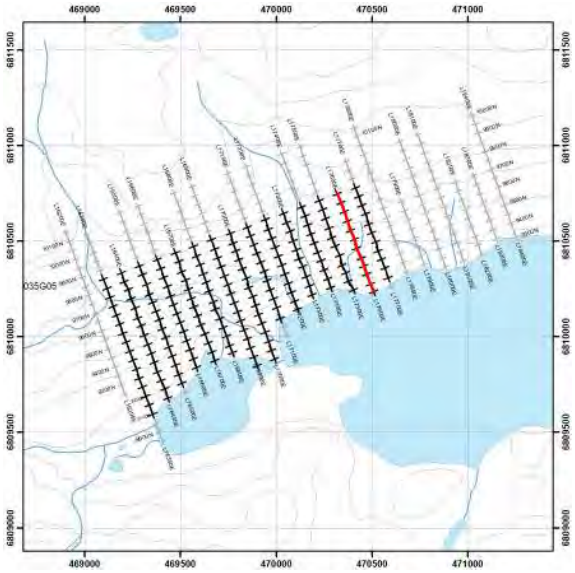
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

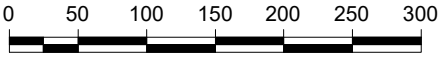
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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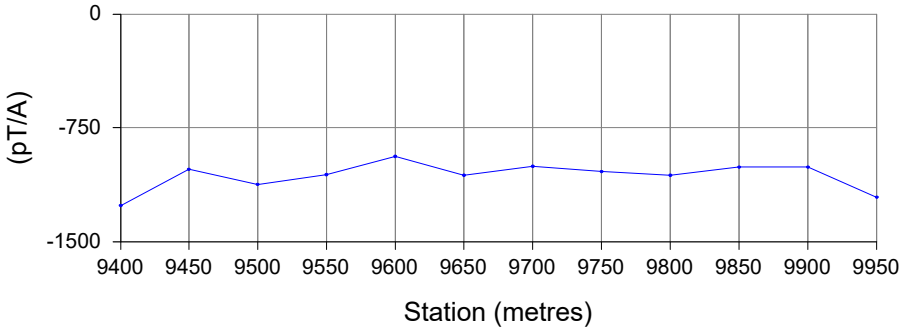
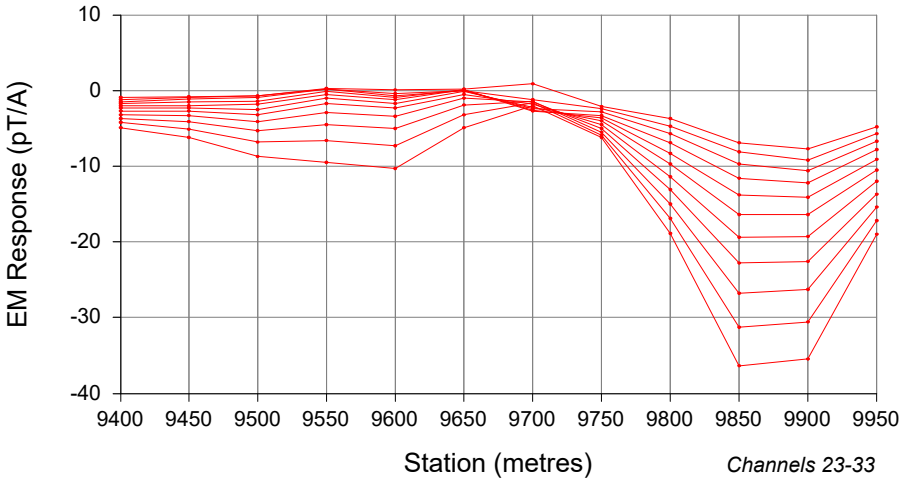
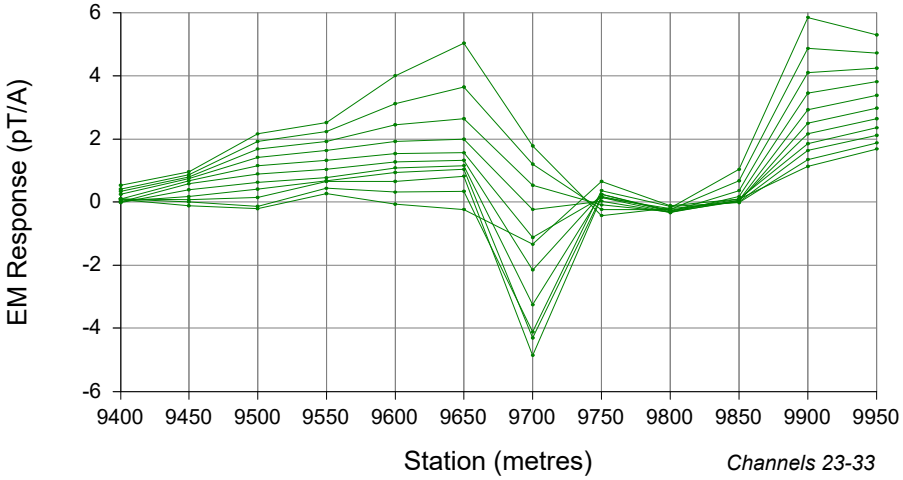
Z Primary Field



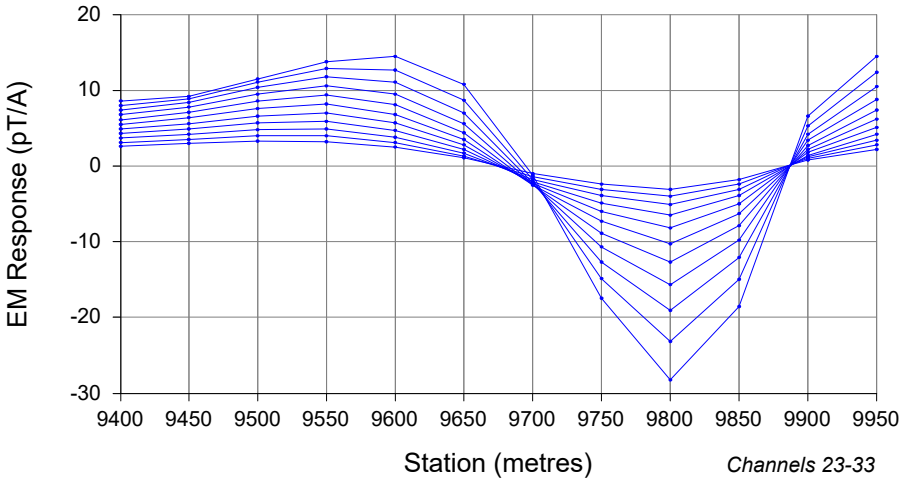
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

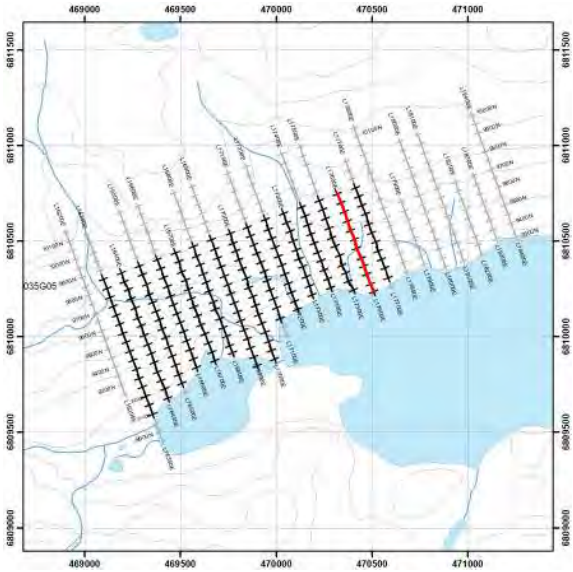
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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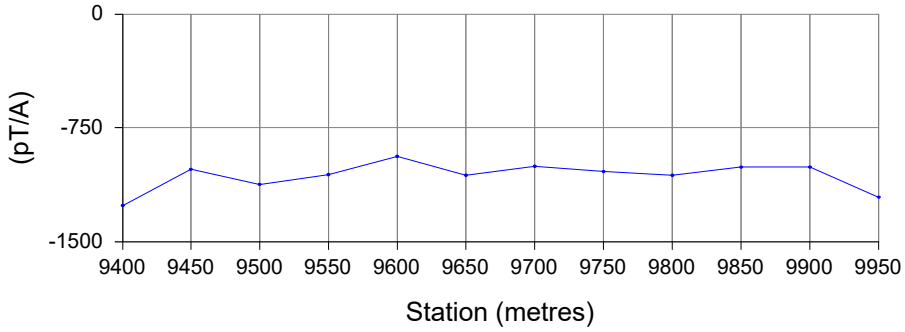
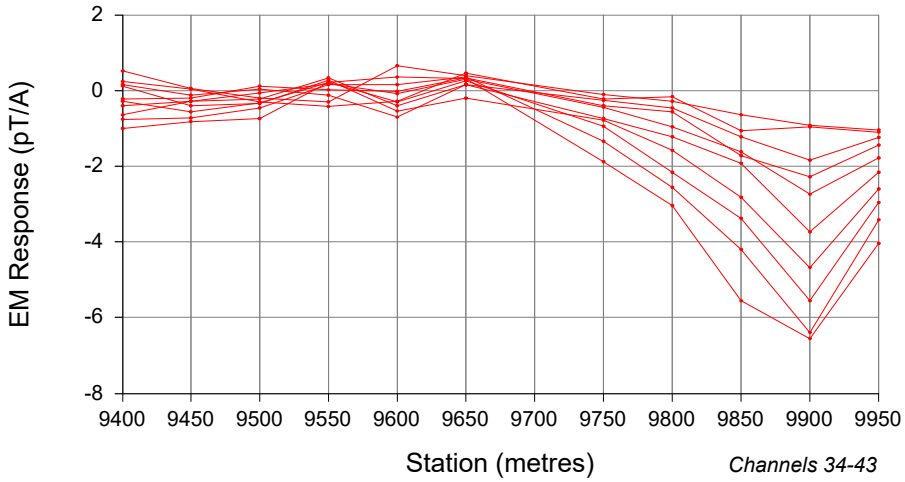
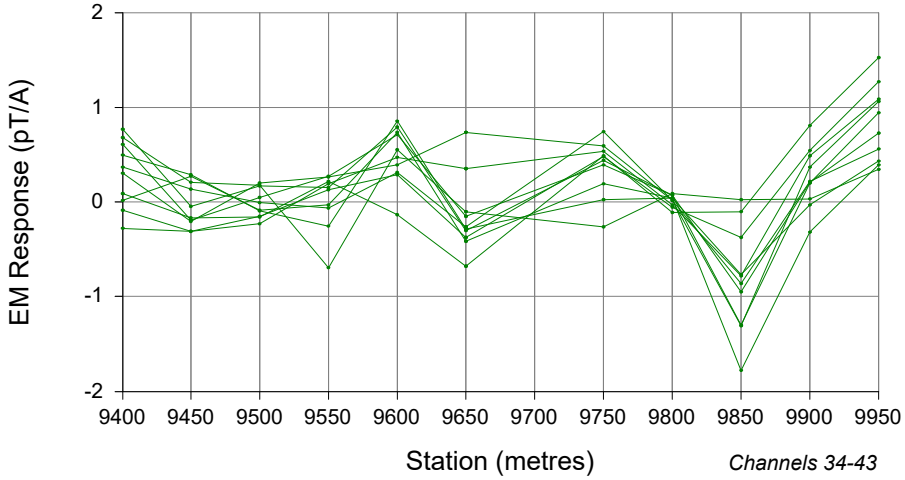
Z Primary Field



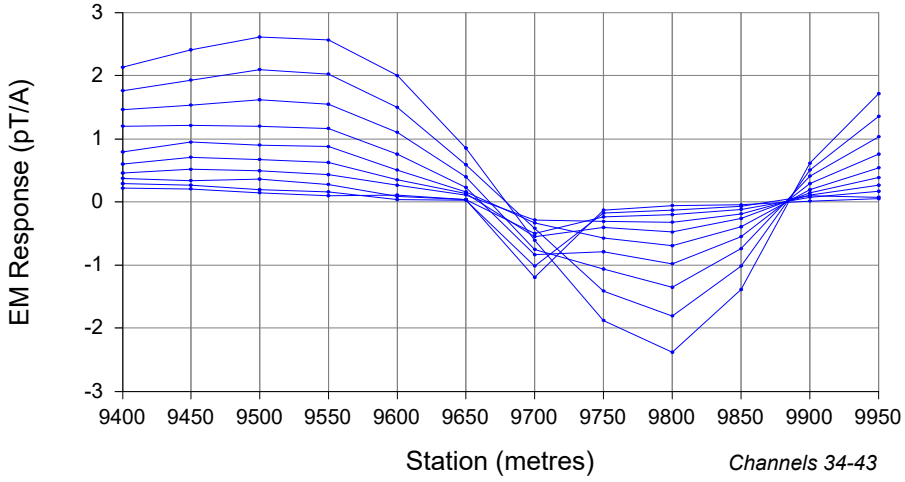
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

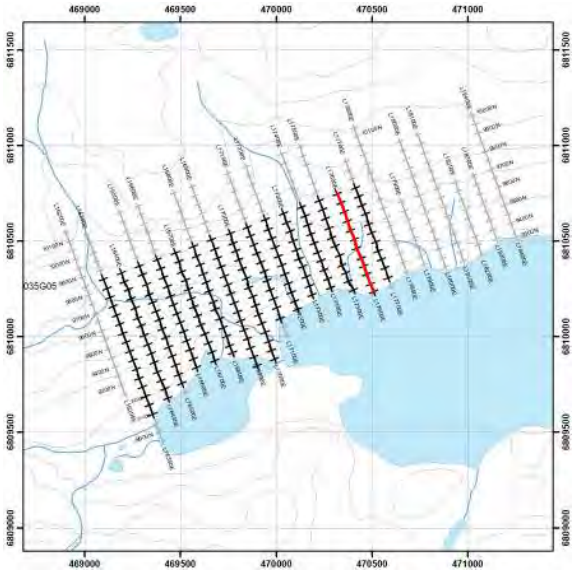
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17600E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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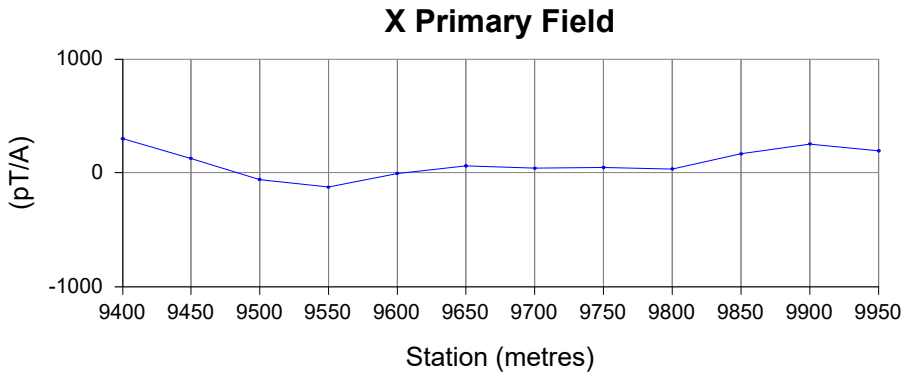
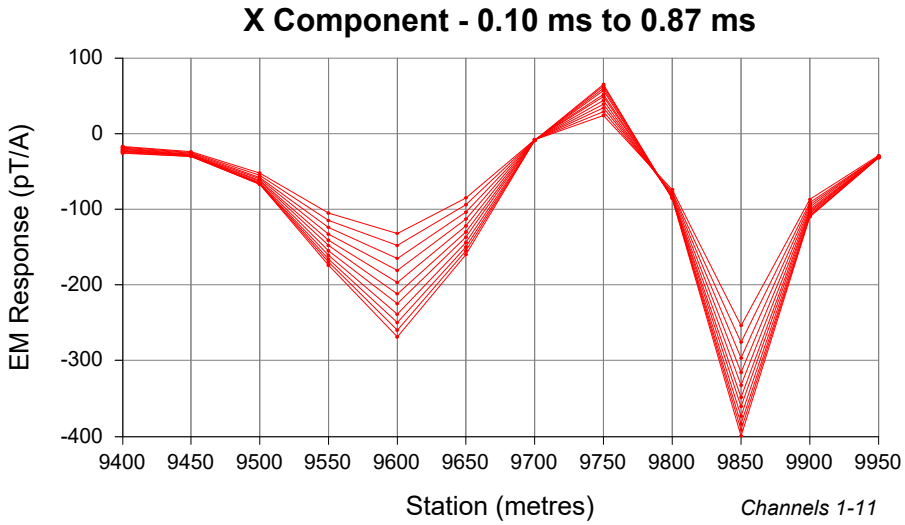
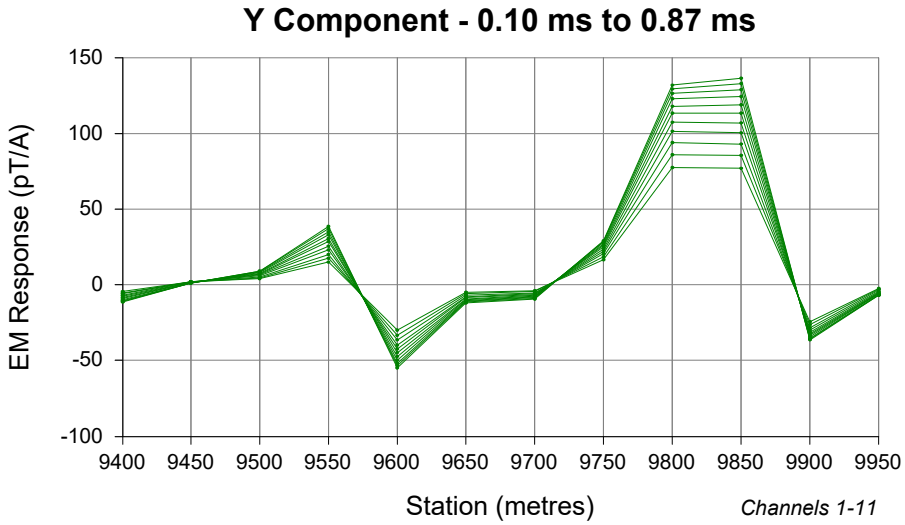
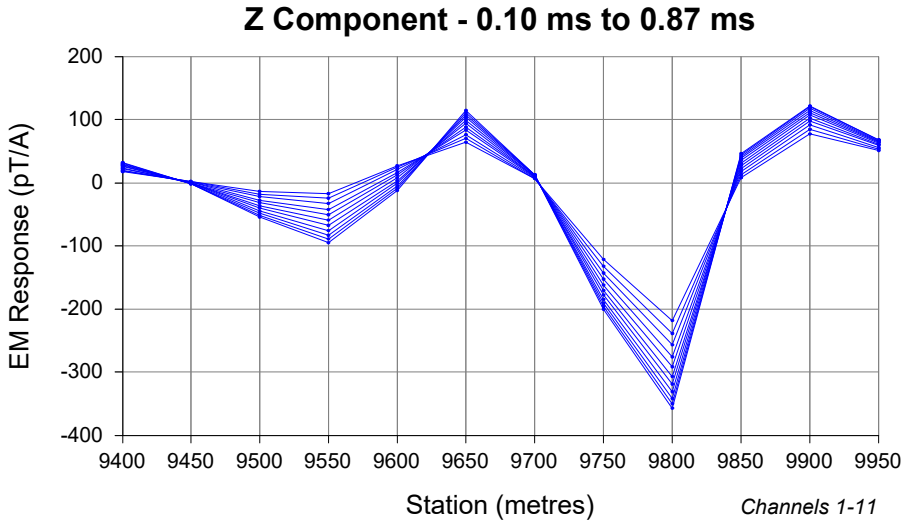








SURVEY PARAMETERS

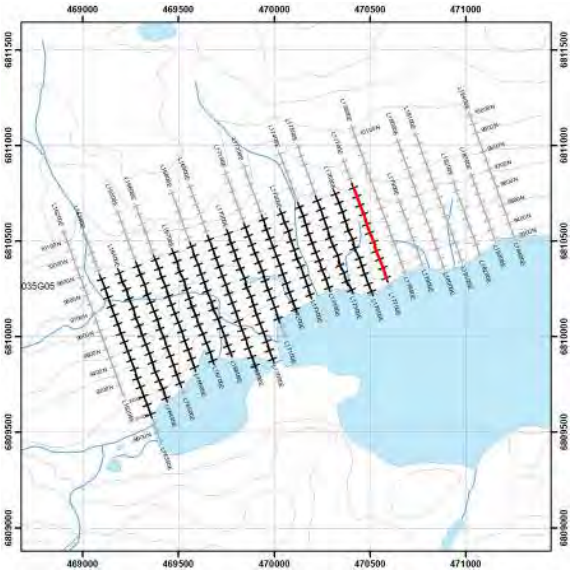
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

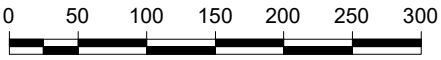
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17700E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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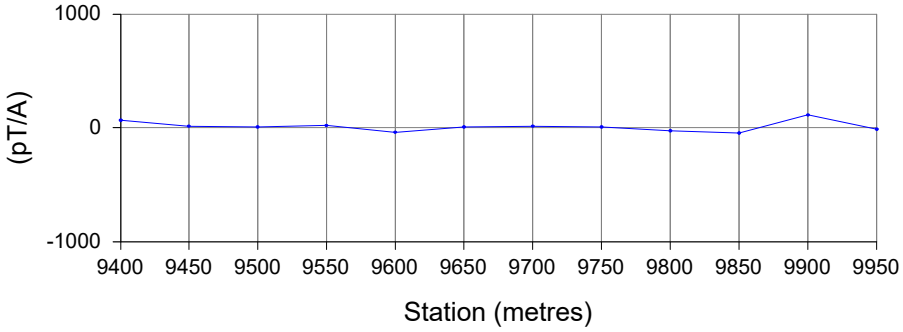
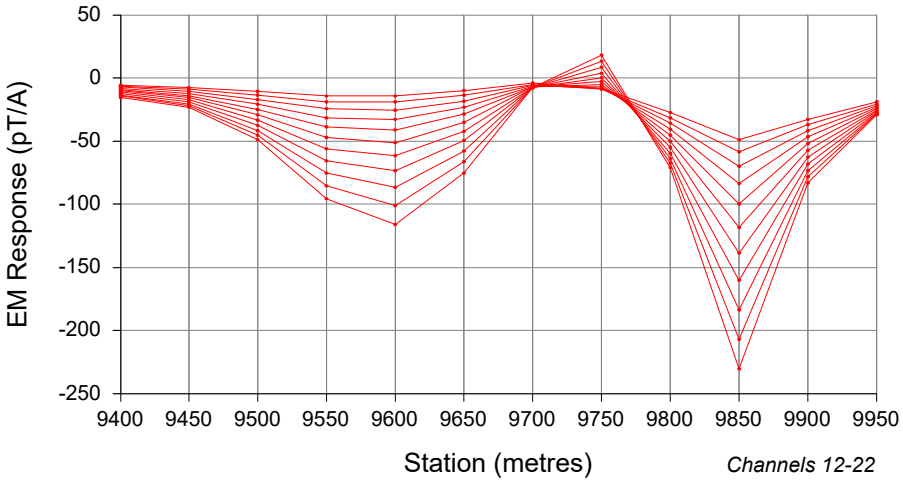
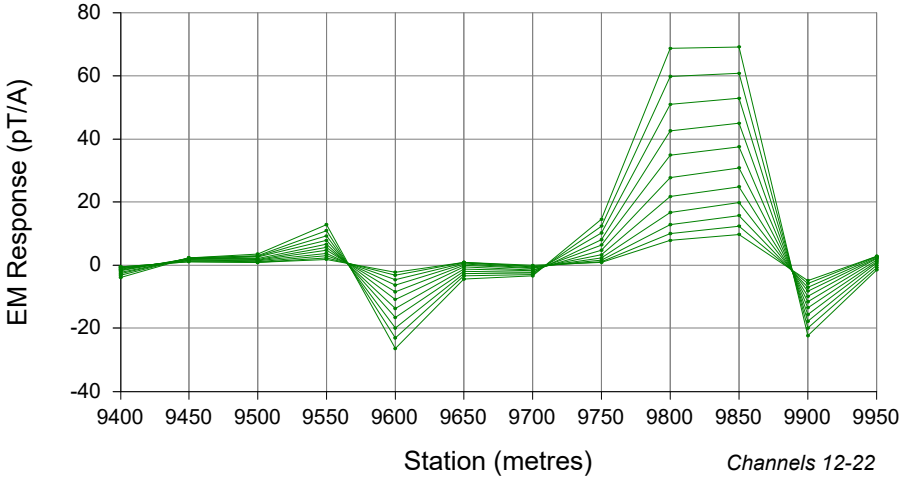
Y Primary Field



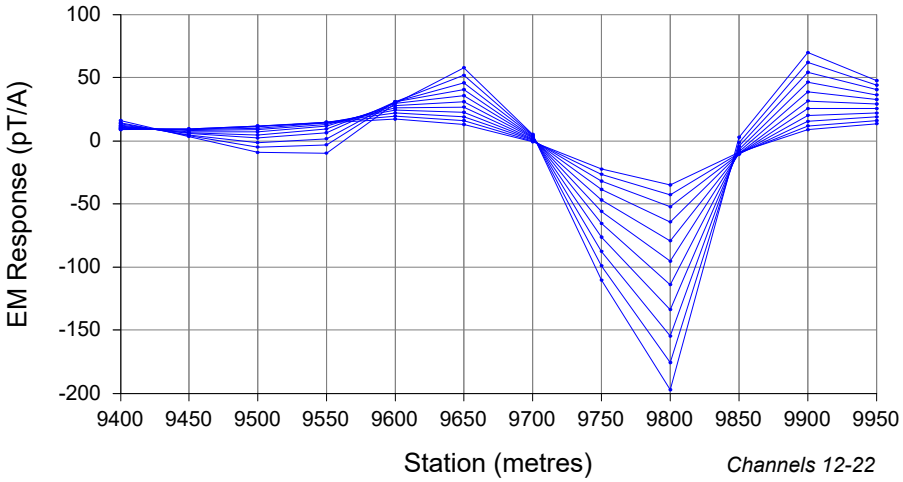
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

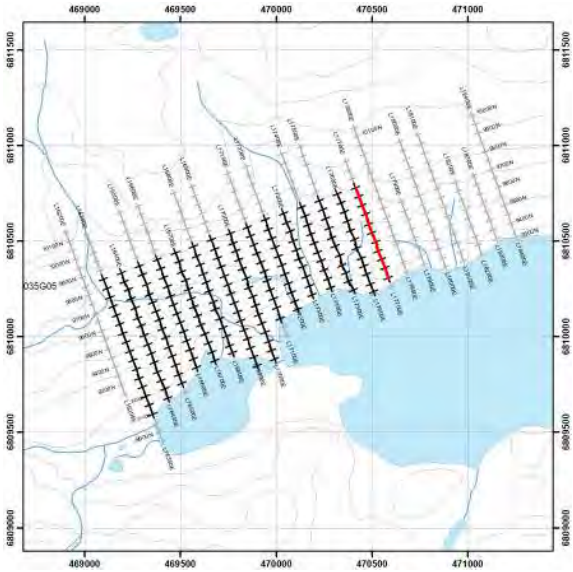
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

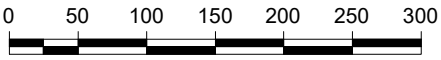
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17700E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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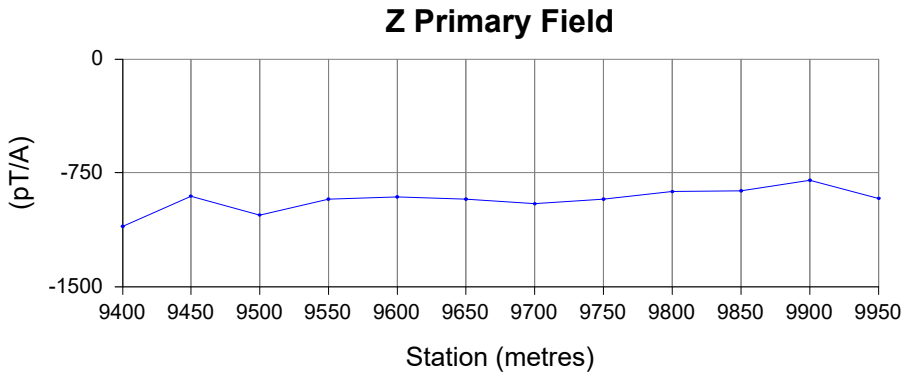
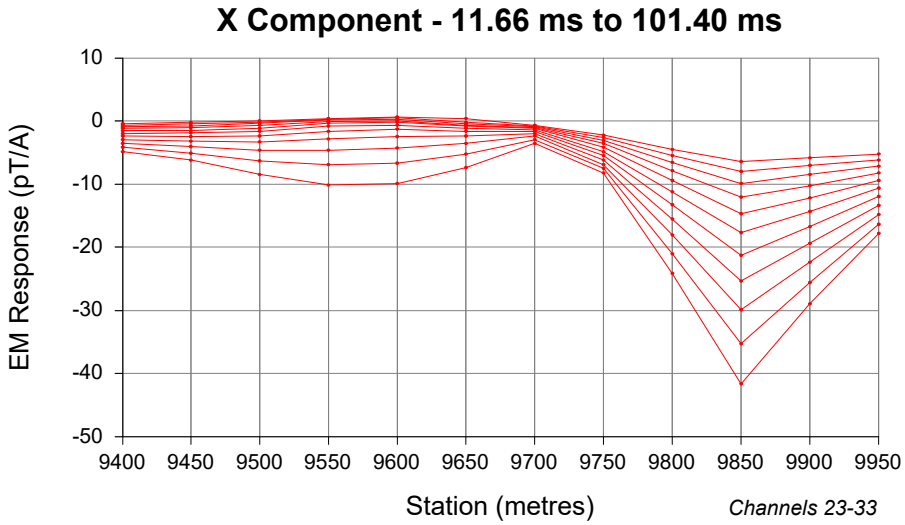
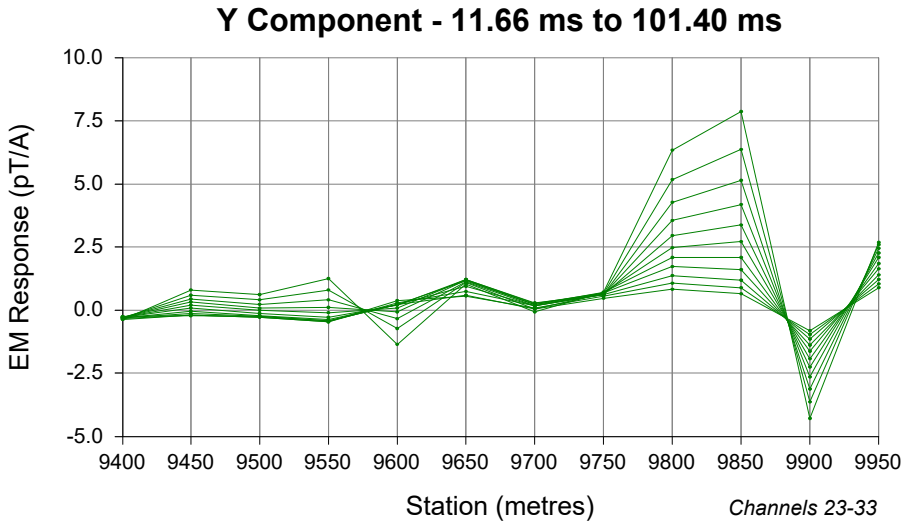
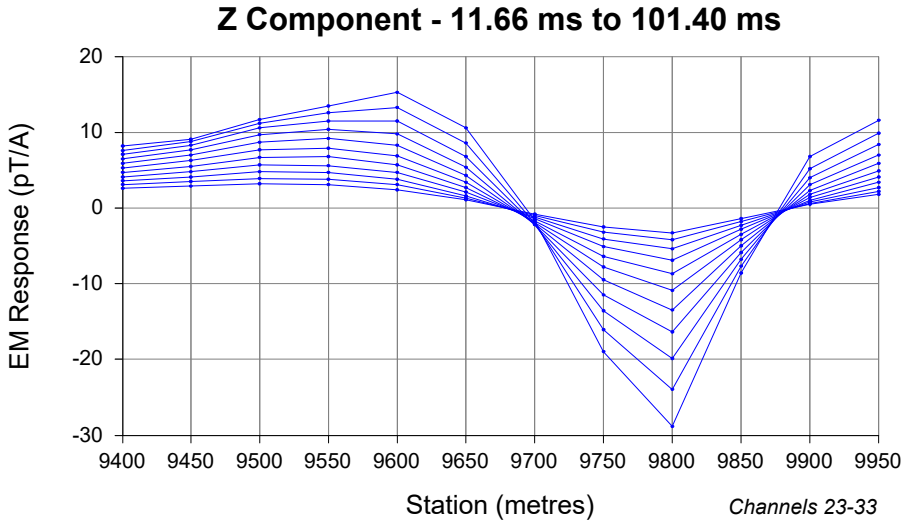








SURVEY PARAMETERS

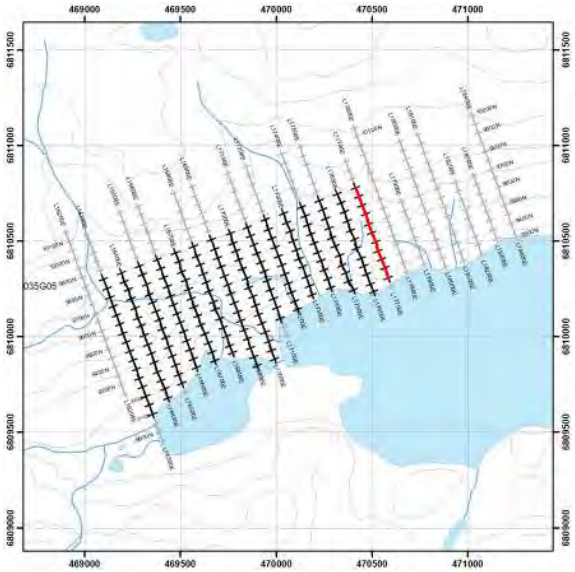
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

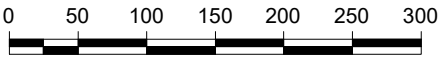
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17700E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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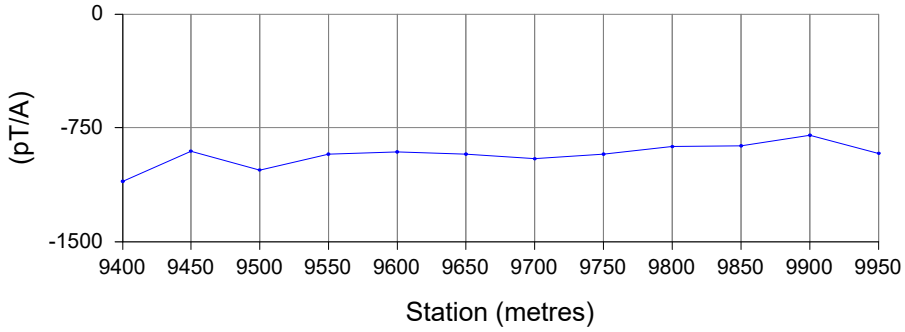
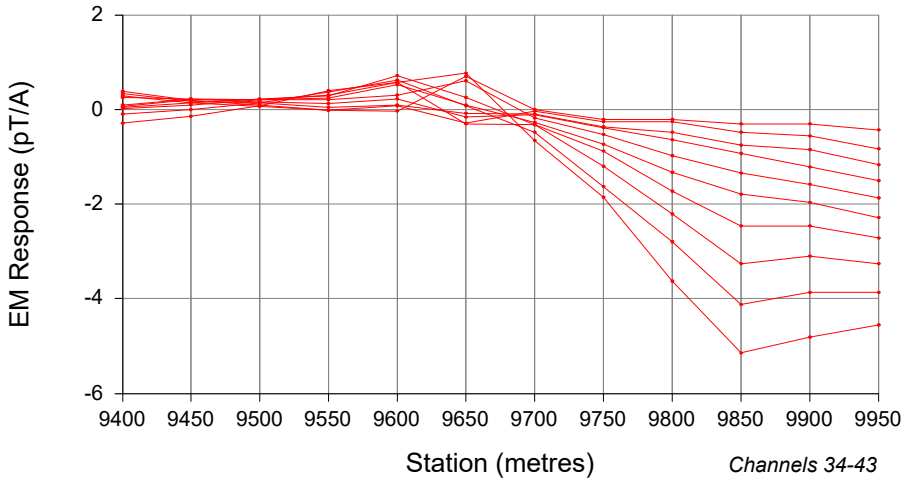
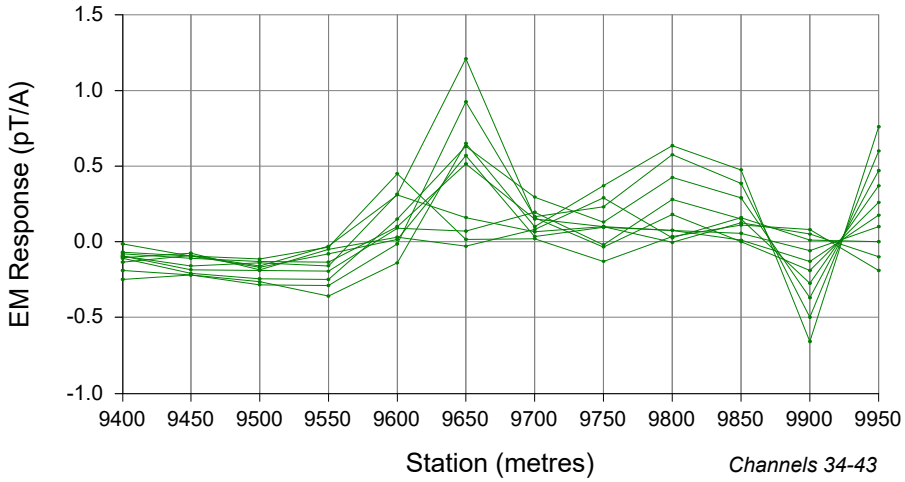
Z Primary Field



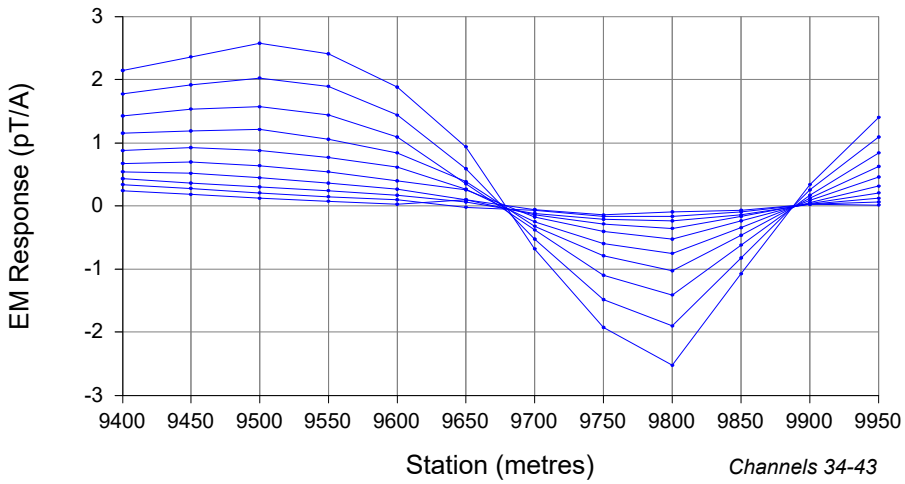
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

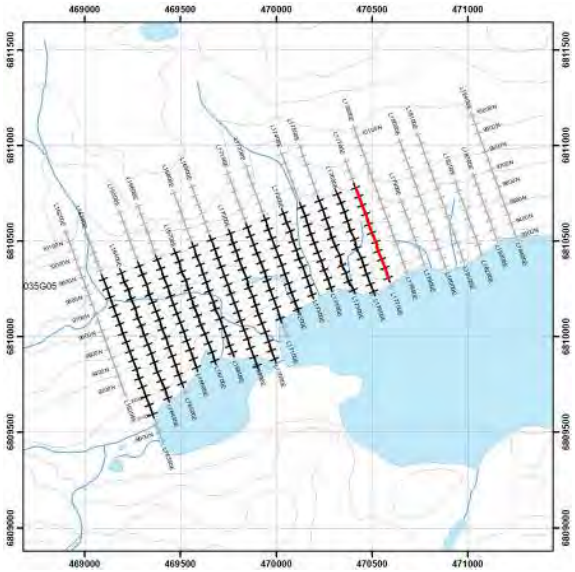
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

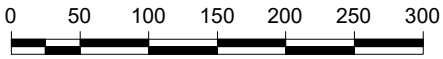
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:5500

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Supracon Jessy HT SQUID
Slingram Survey

Line 17700E

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Survey Date: August 2021

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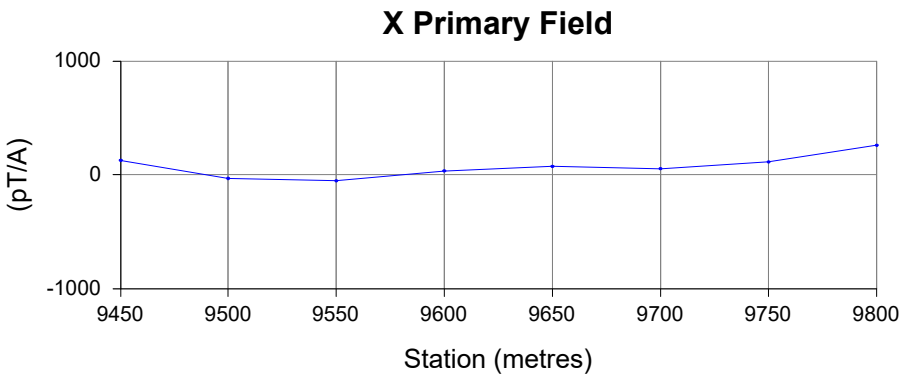
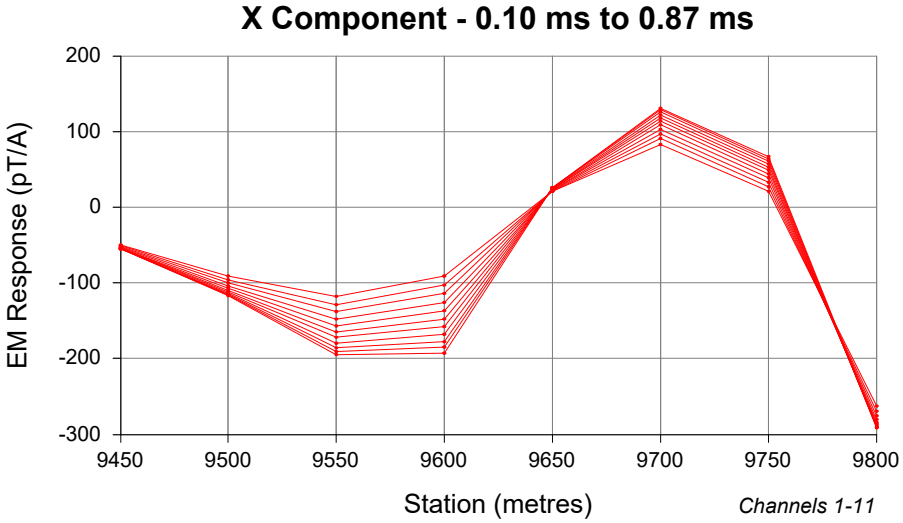
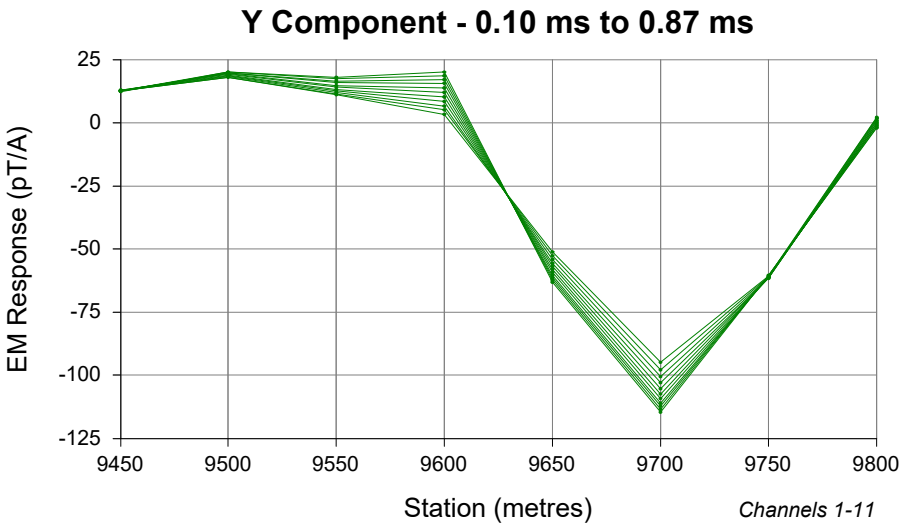
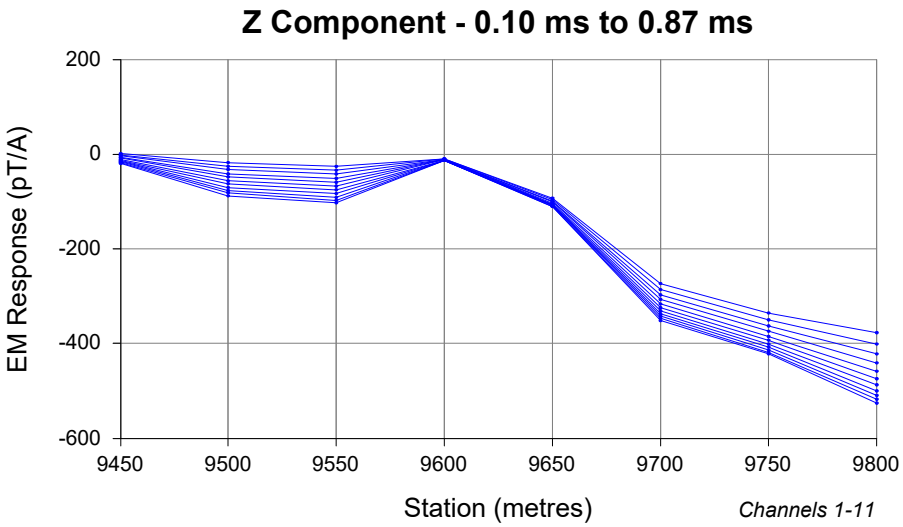








SURVEY PARAMETERS

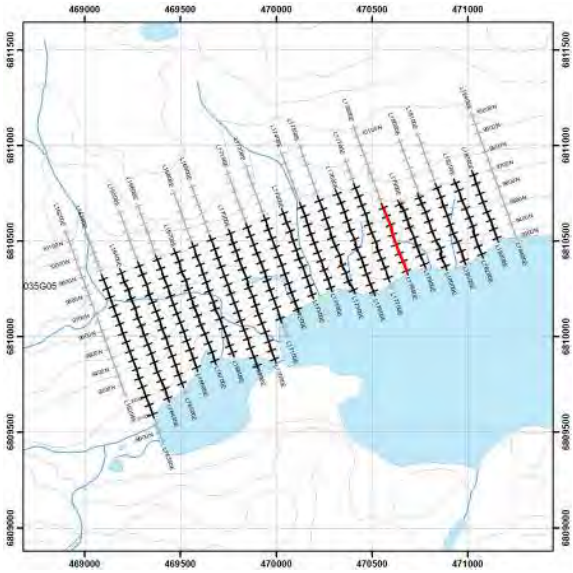
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17800E

Surveyed By: Joseph Cook
Survey Date: August 2021

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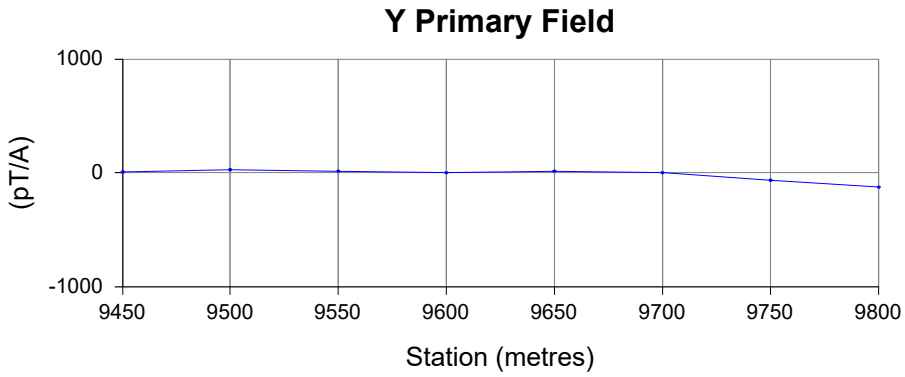
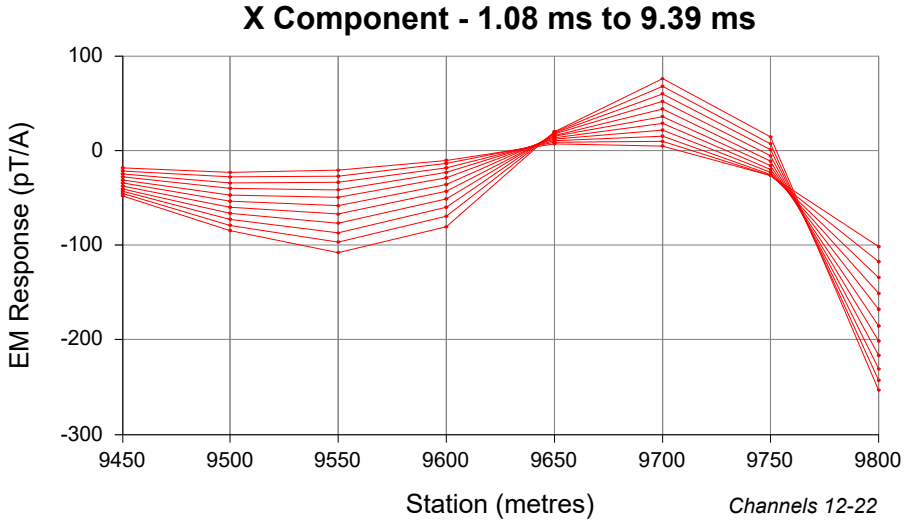
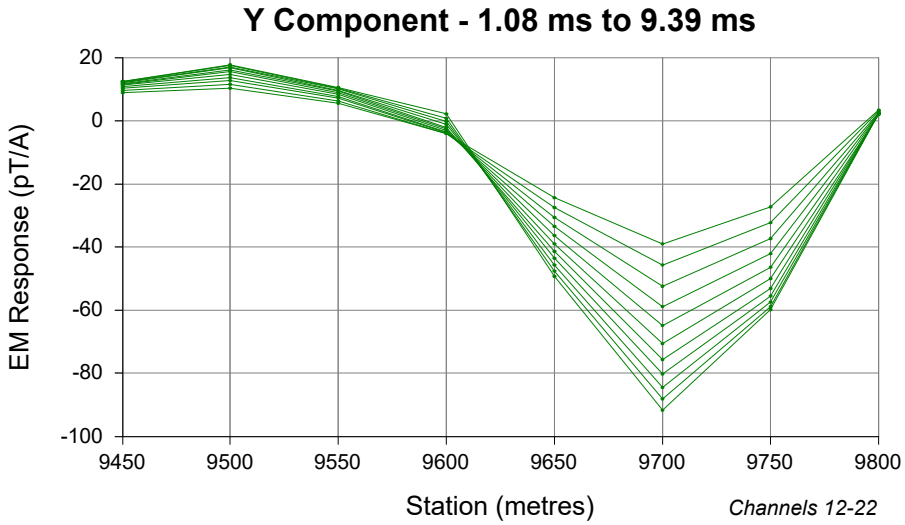
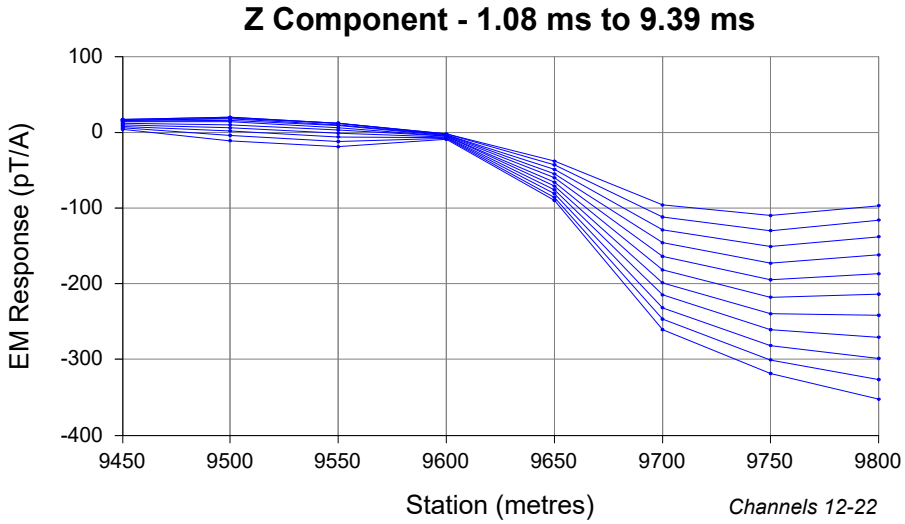








SURVEY PARAMETERS

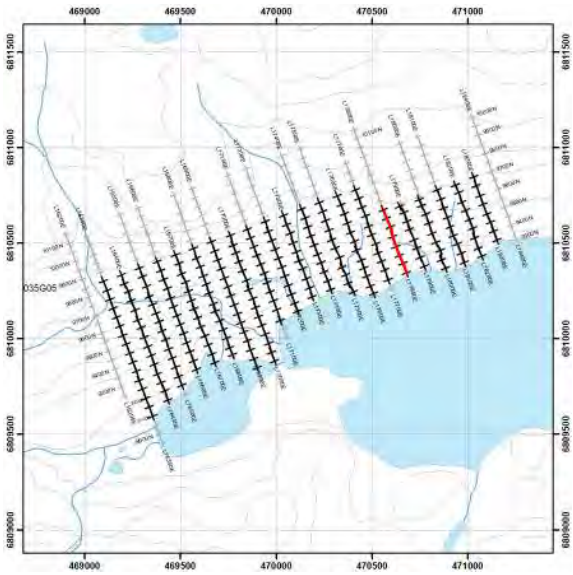
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17800E

Surveyed By: Joseph Cook
Survey Date: August 2021

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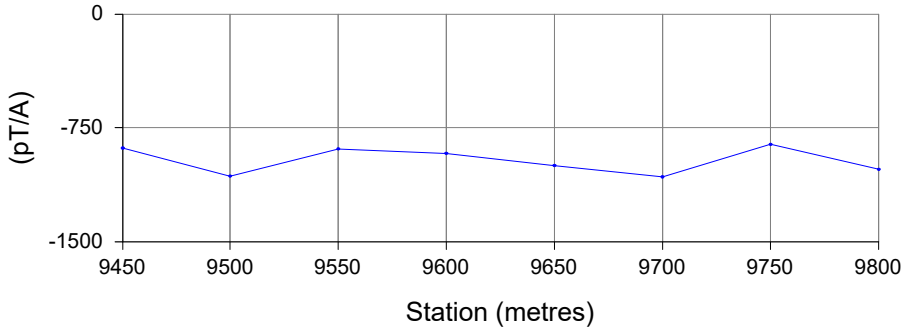
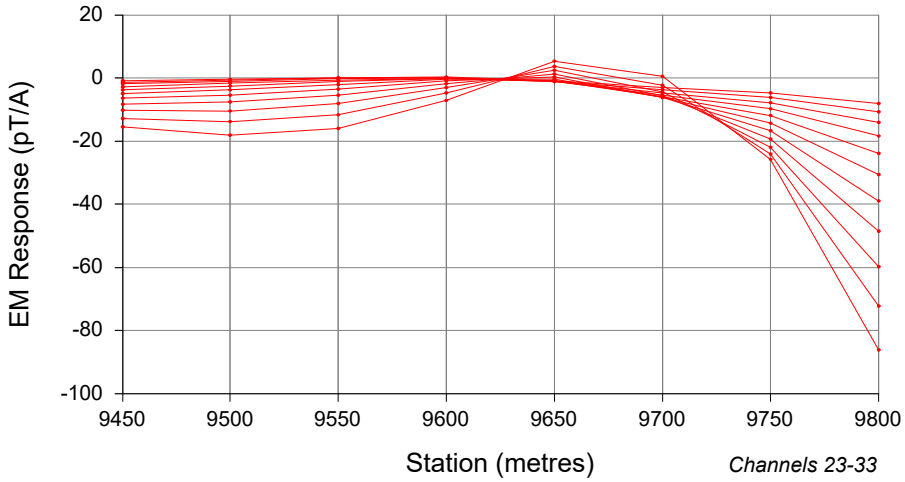
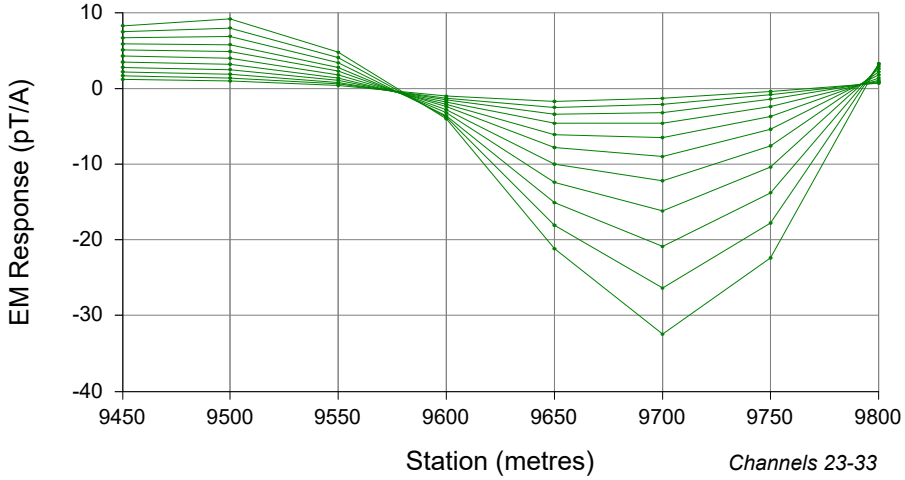
Z Primary Field



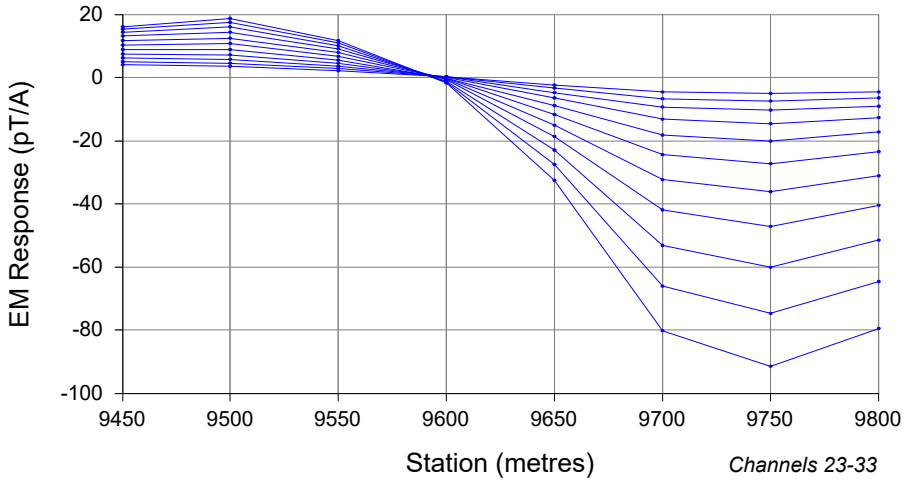
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

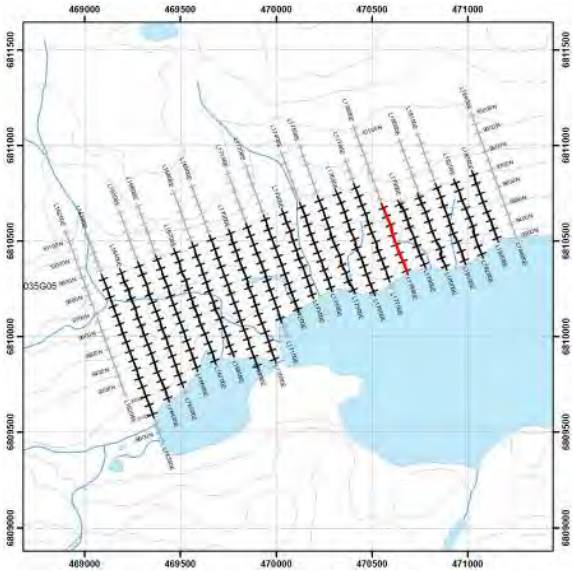
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17800E

Surveyed By: Joseph Cook
Survey Date: August 2021

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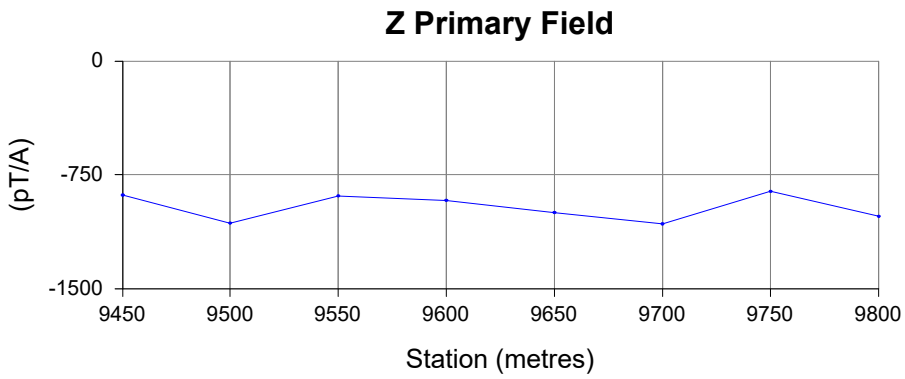
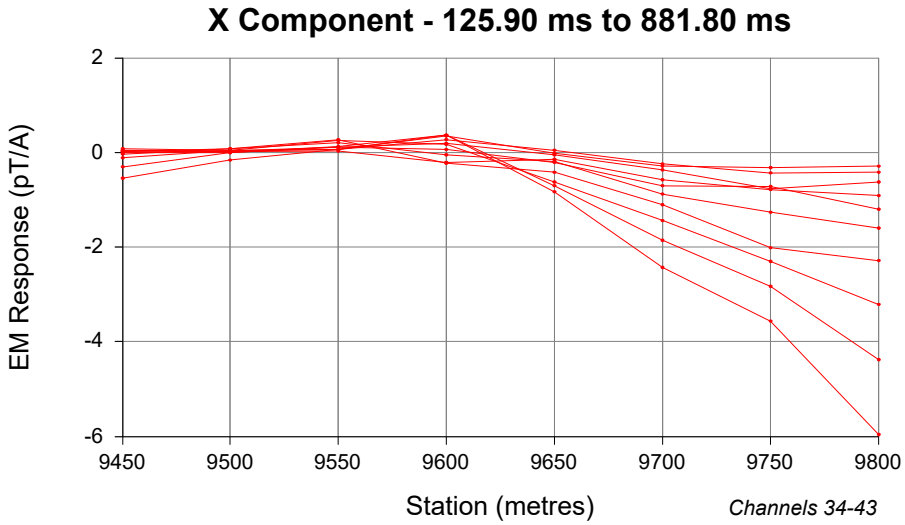
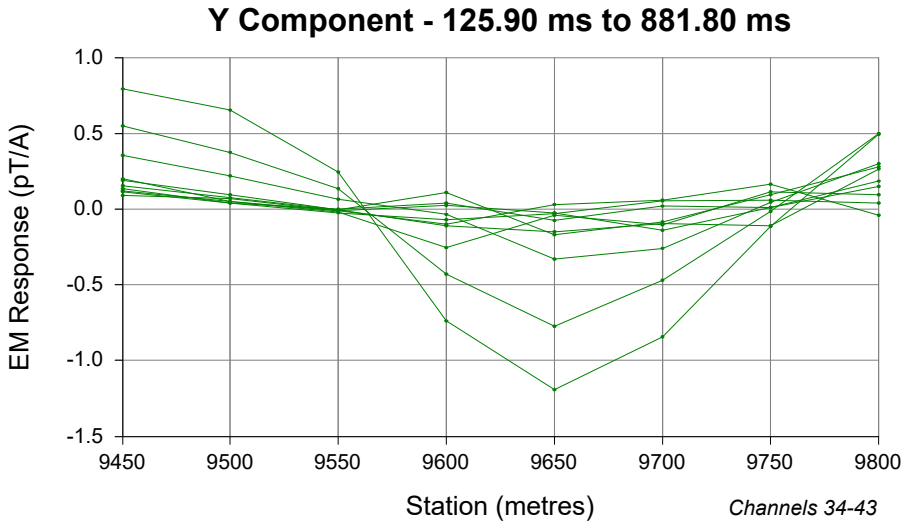
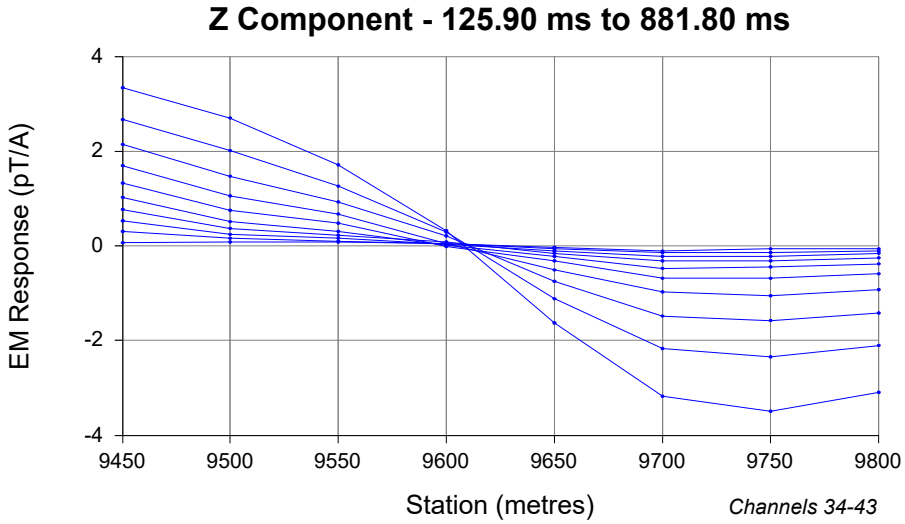








SURVEY PARAMETERS

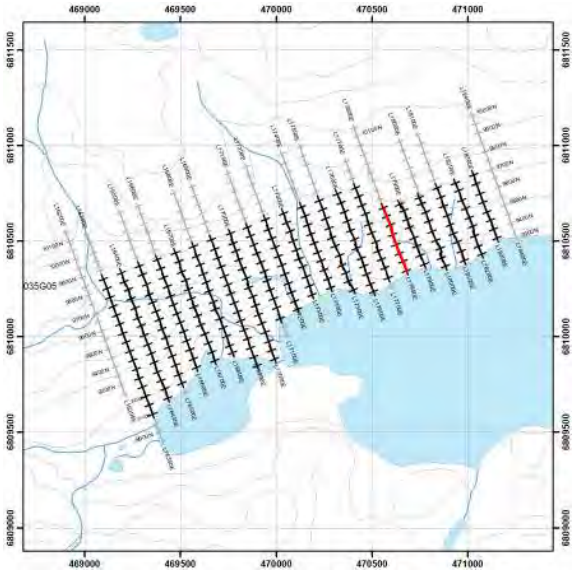
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17800E

Surveyed By: Joseph Cook
Survey Date: August 2021

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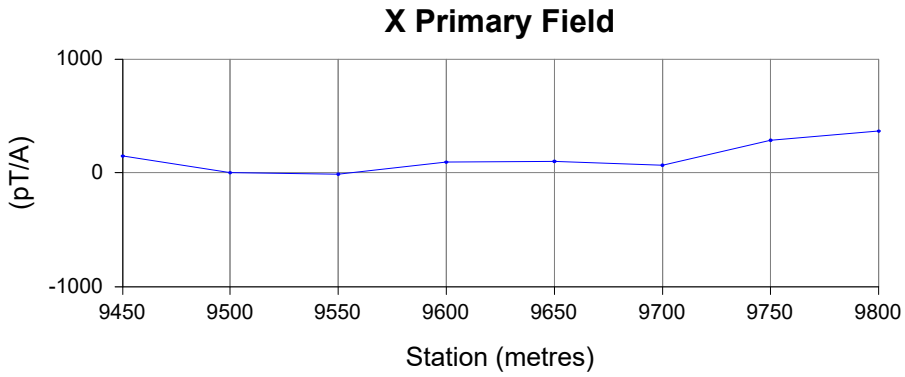
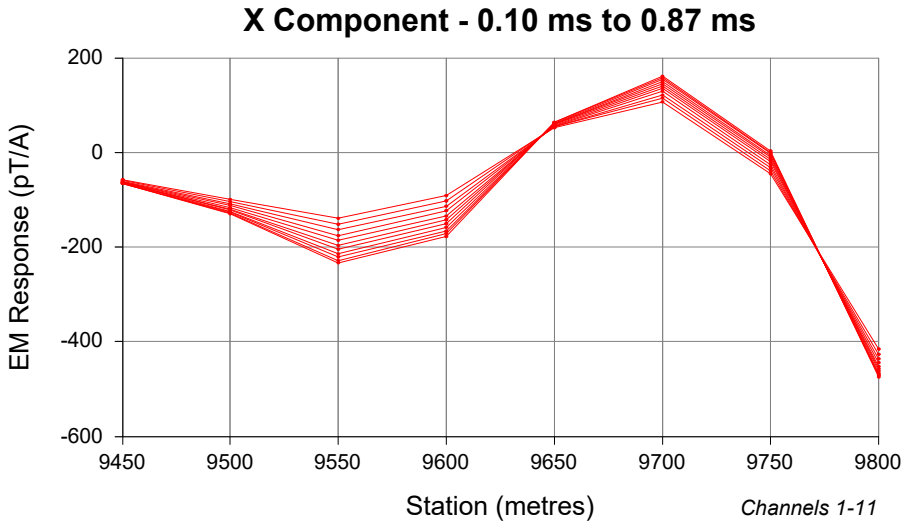
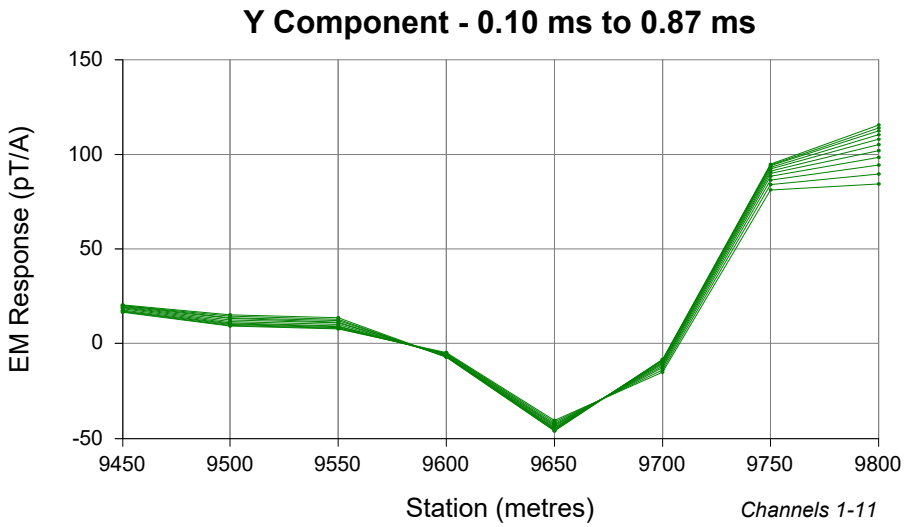
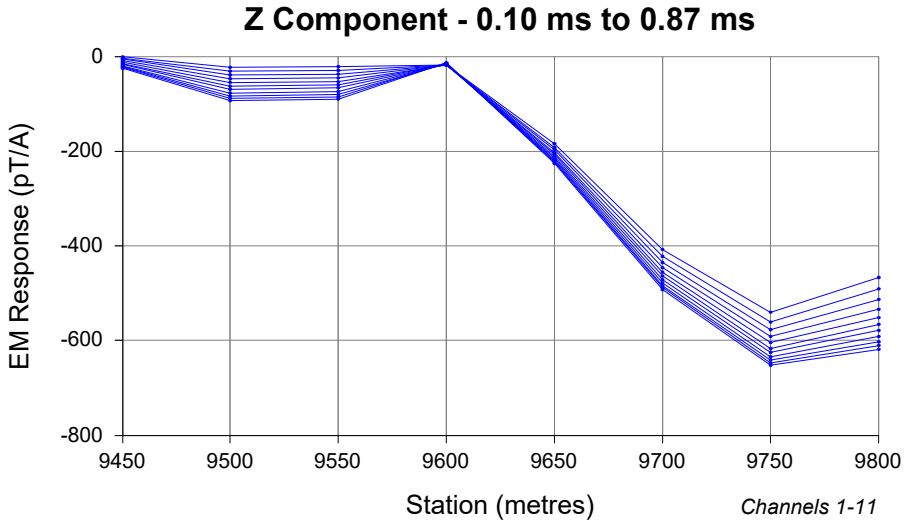








SURVEY PARAMETERS

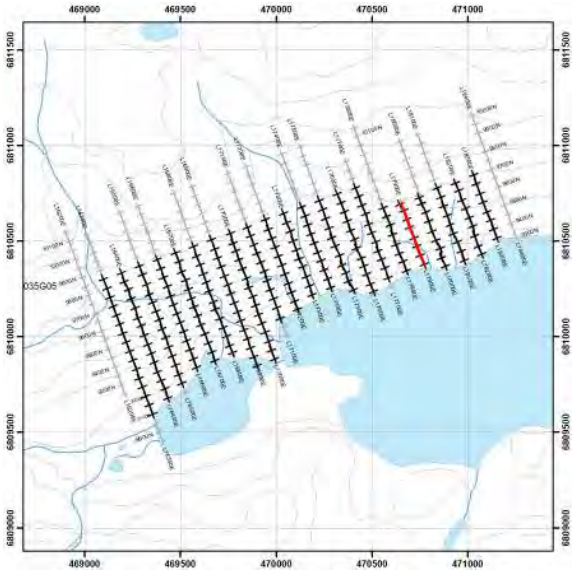
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17900E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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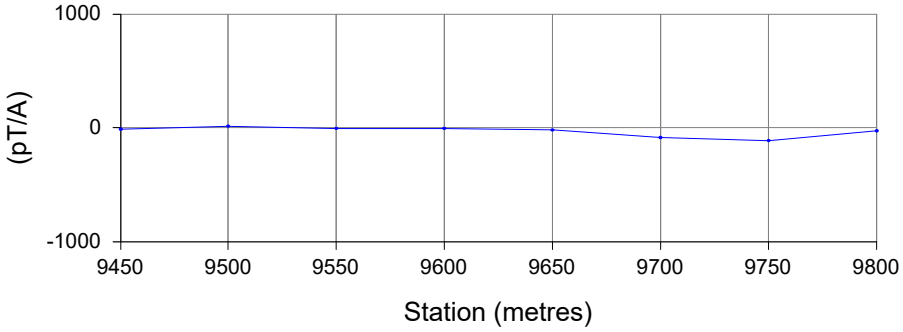
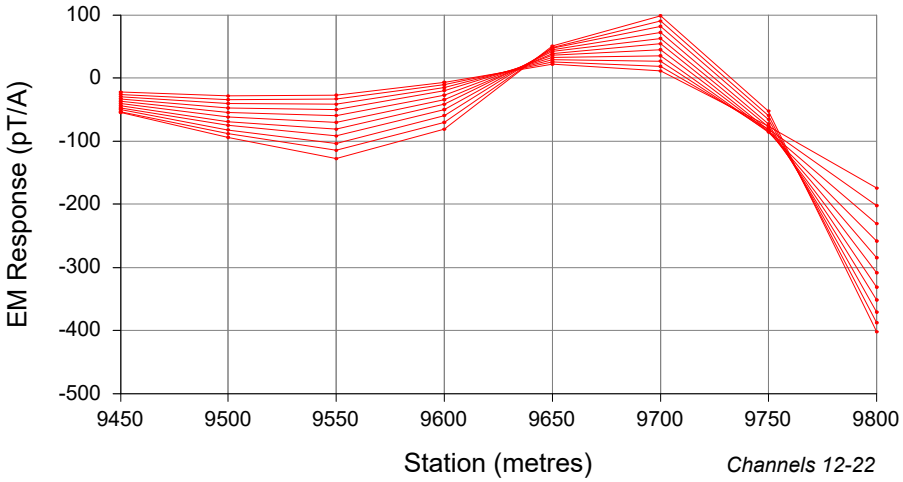
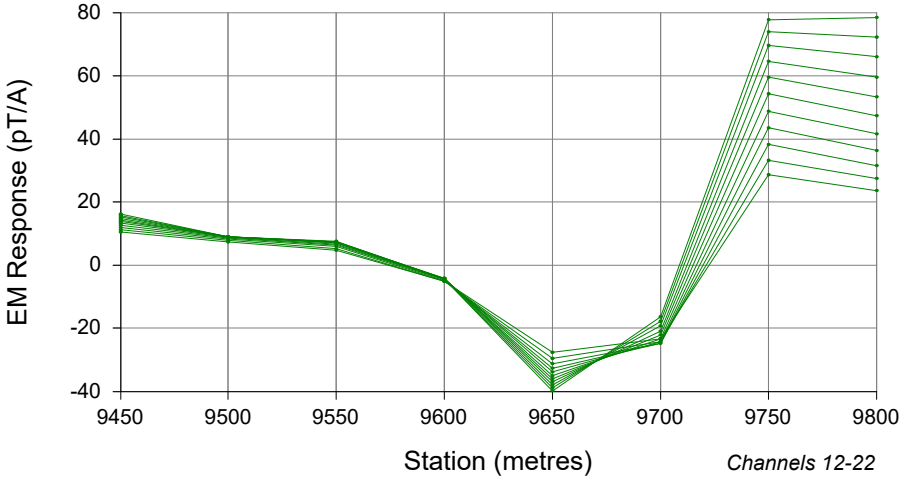
Y Primary Field



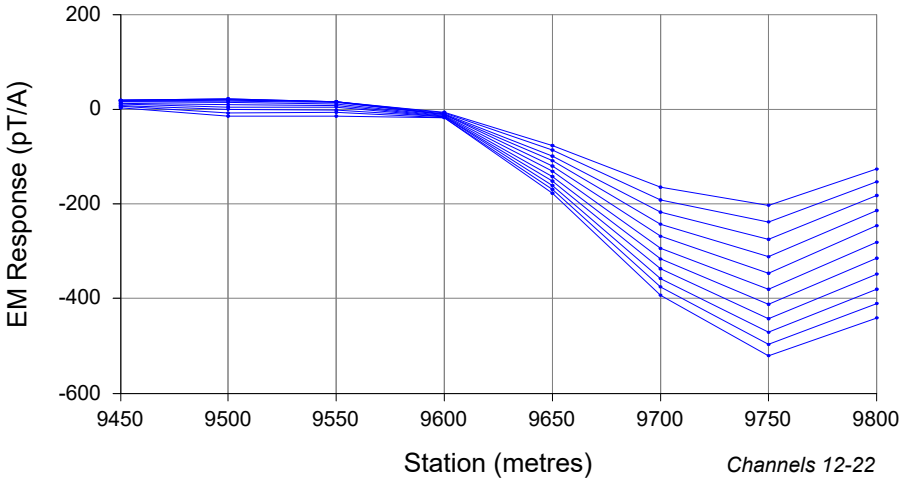
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

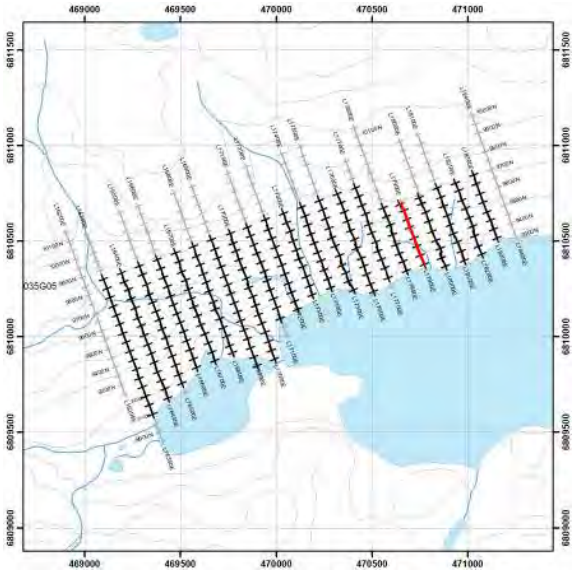
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17900E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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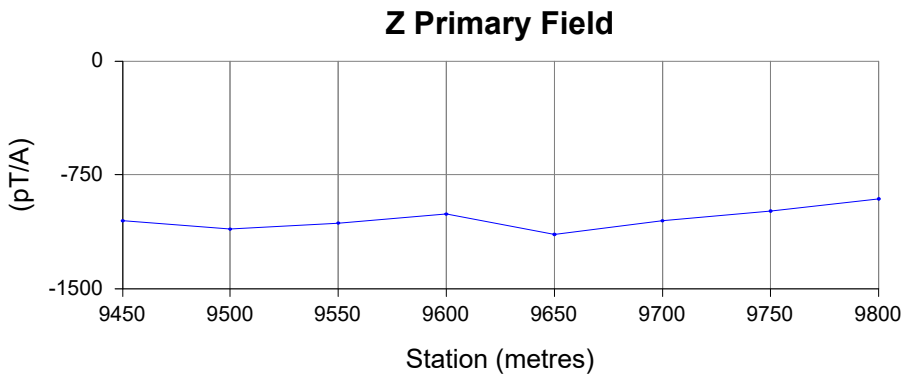
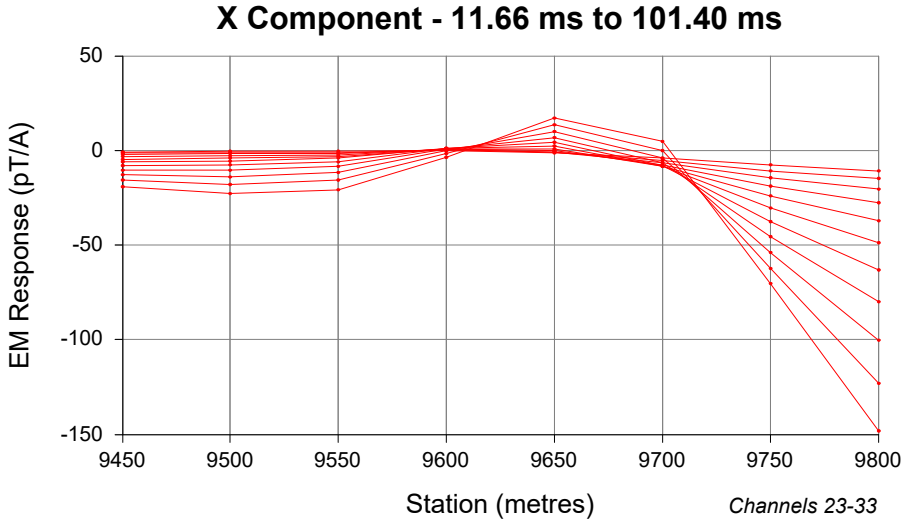
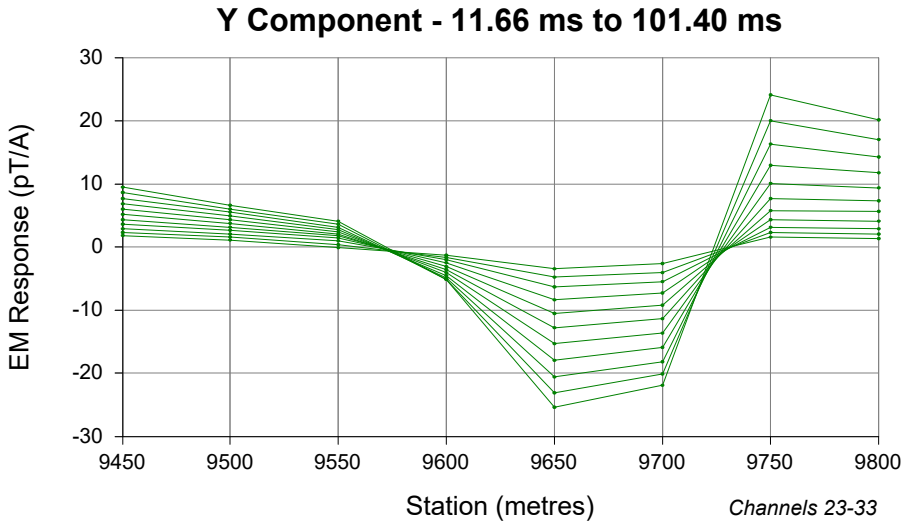
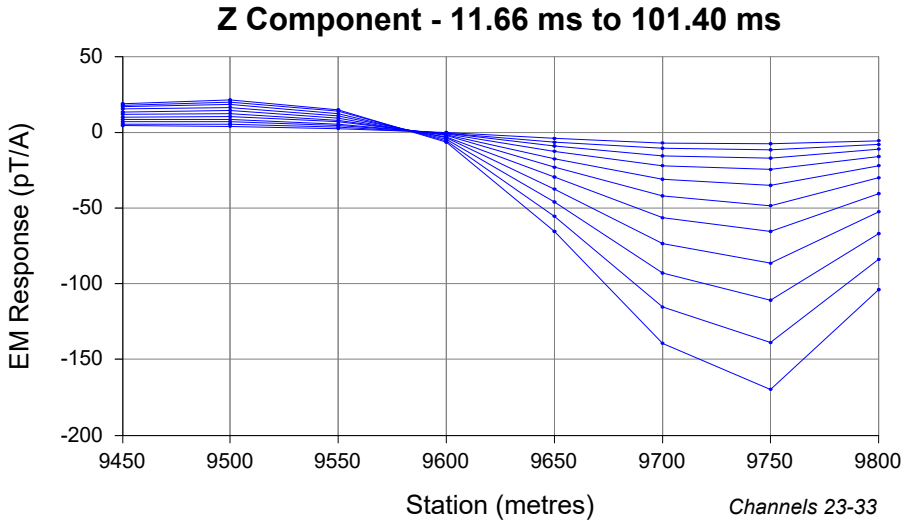








SURVEY PARAMETERS

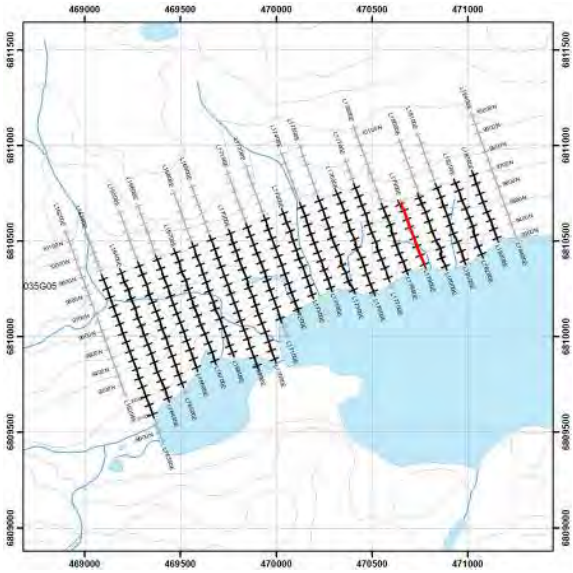
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 17900E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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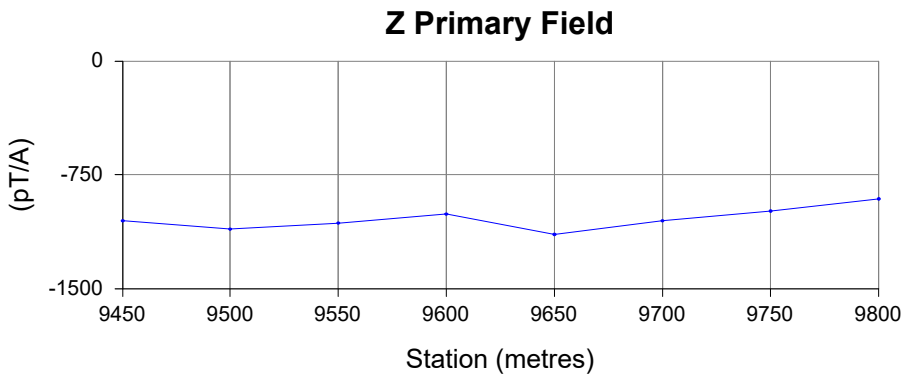
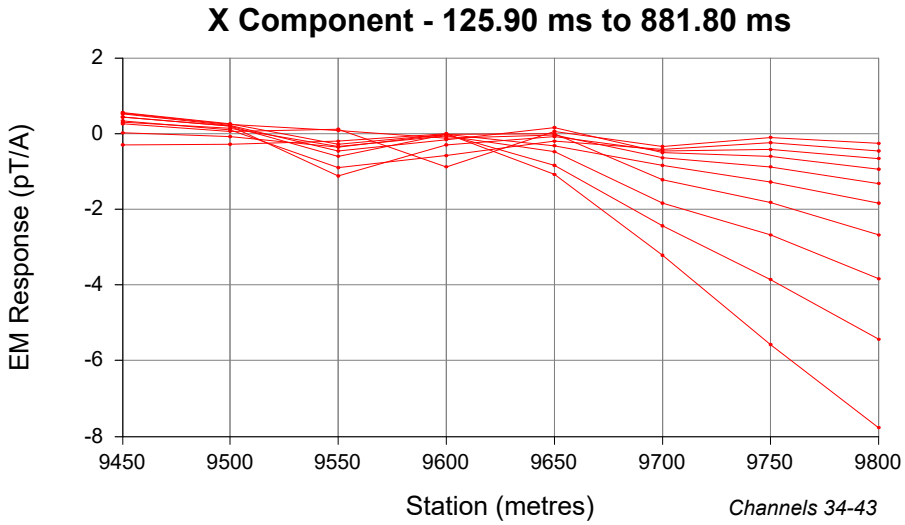
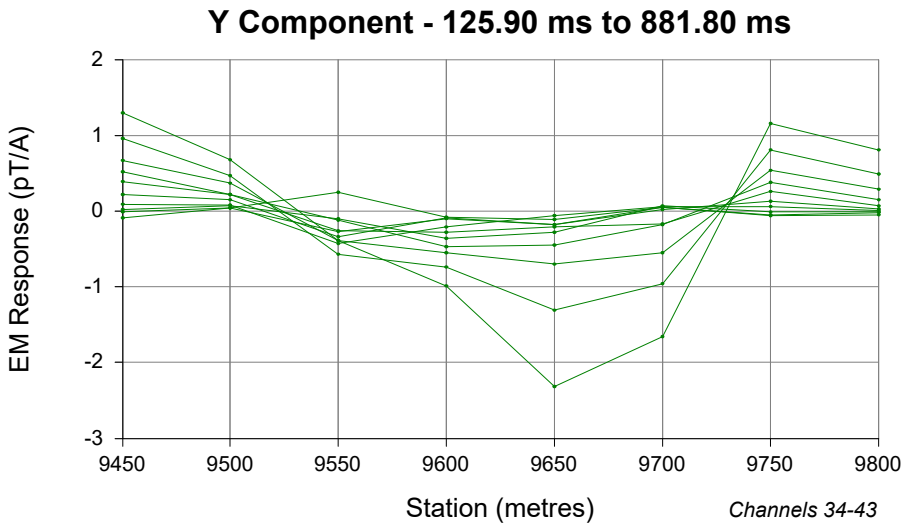
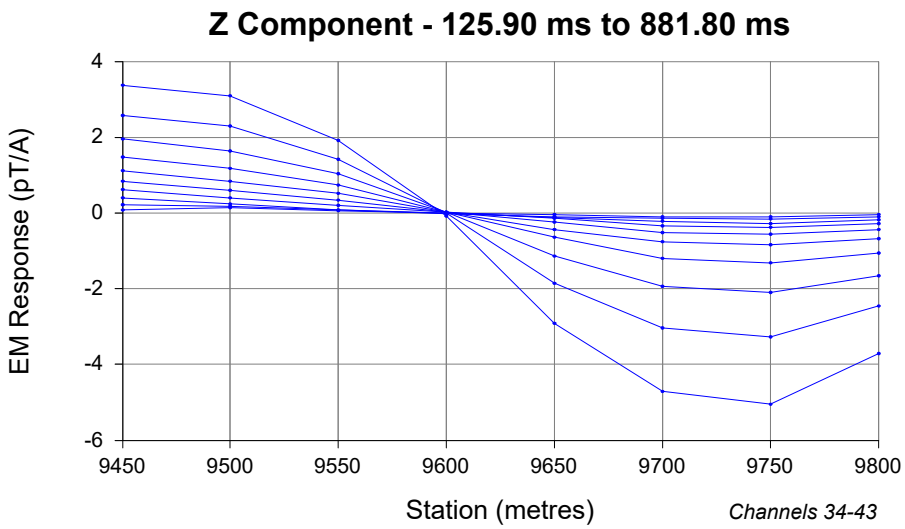








SURVEY PARAMETERS

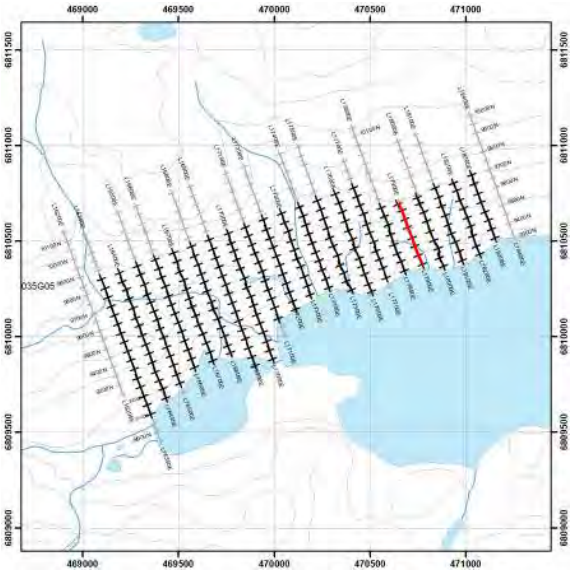
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

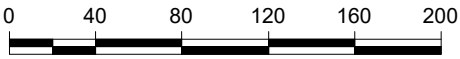
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:3500

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Slingram Survey

Line 17900E

Surveyed By: Mohamed Haiba
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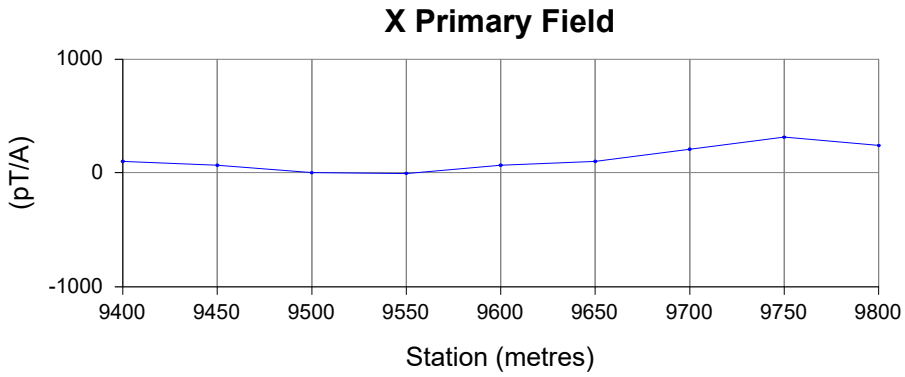
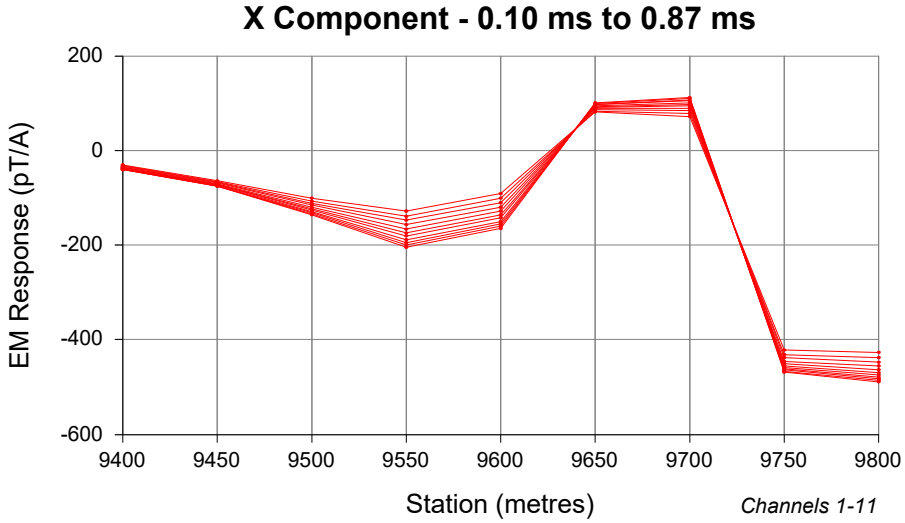
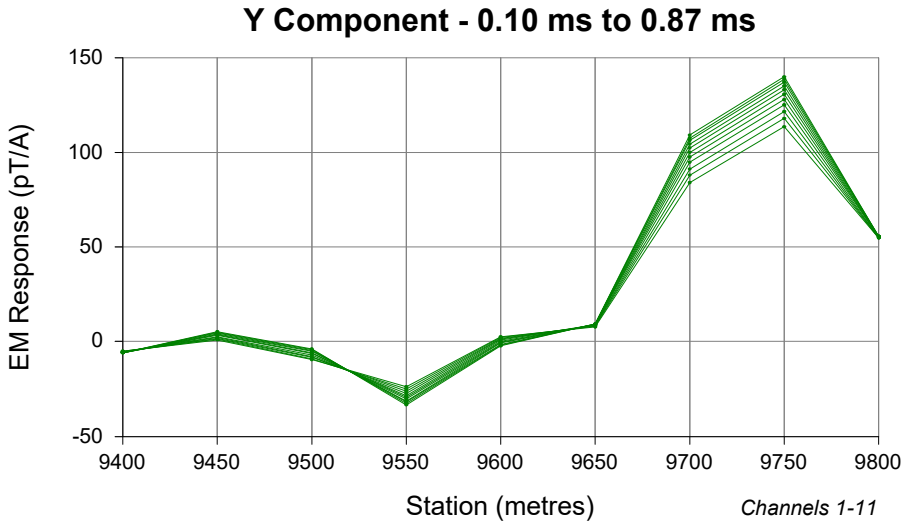
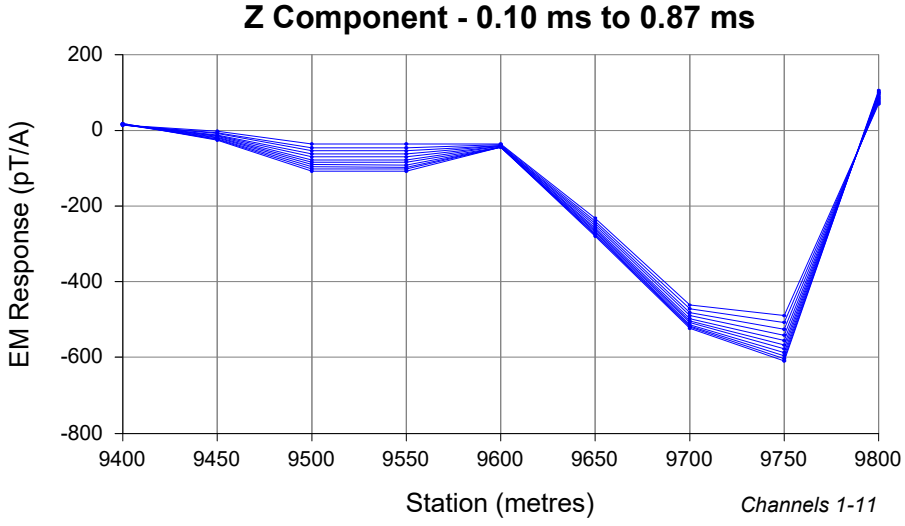








SURVEY PARAMETERS

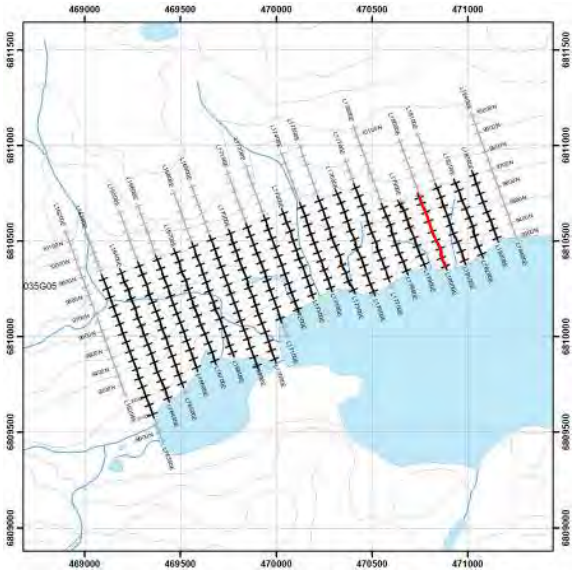
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18000E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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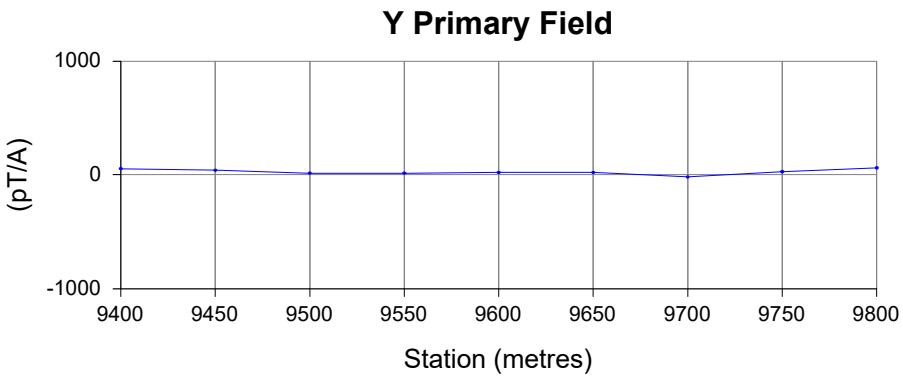
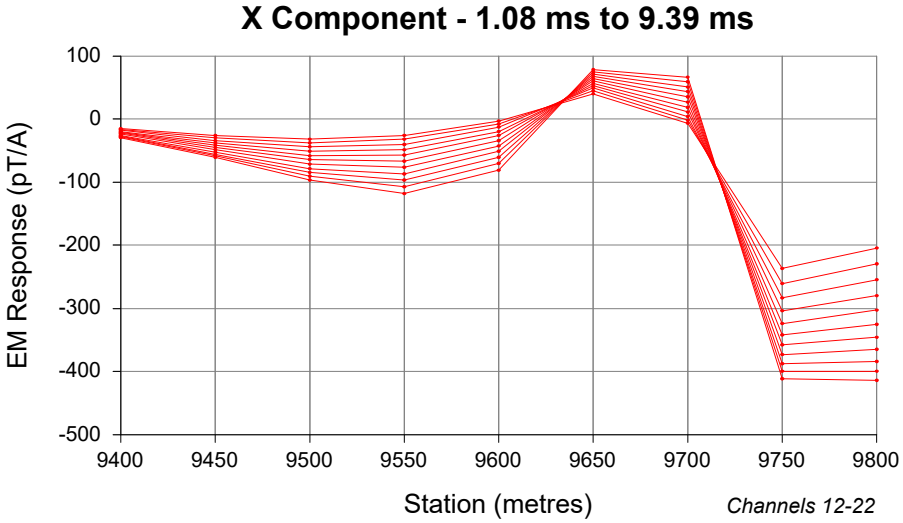
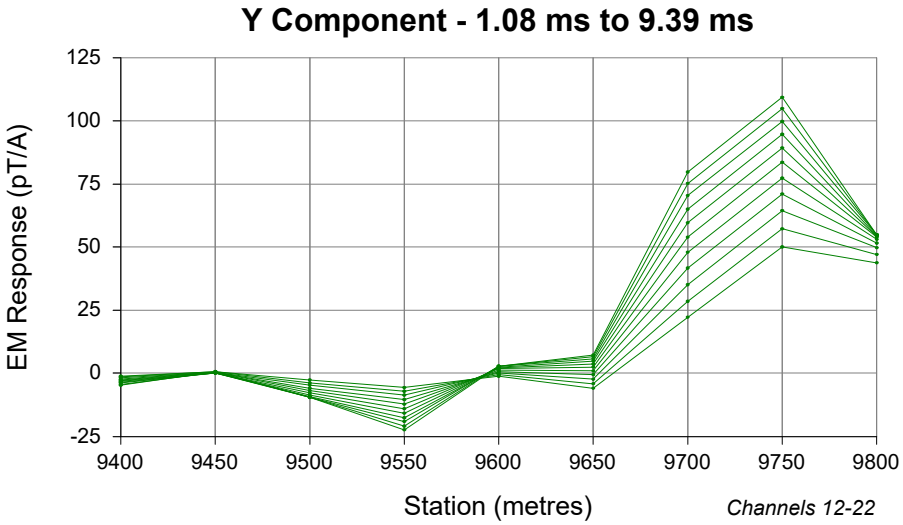
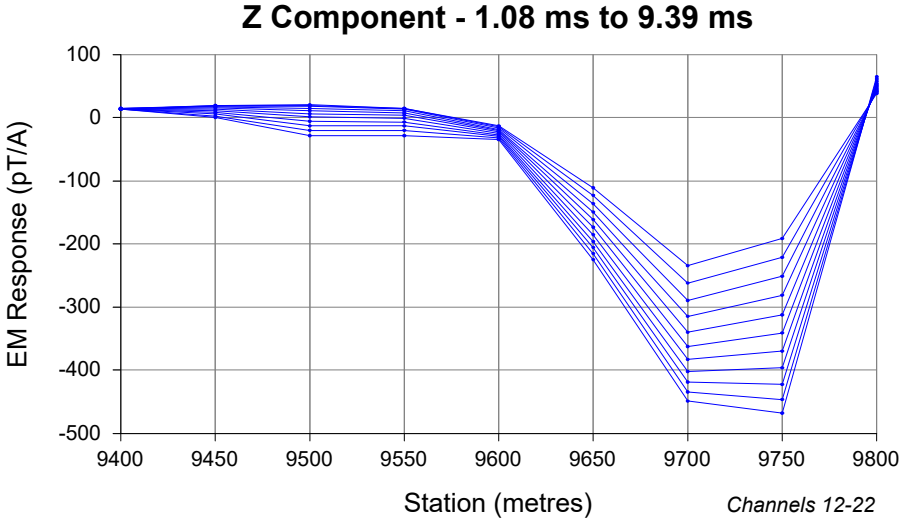








SURVEY PARAMETERS

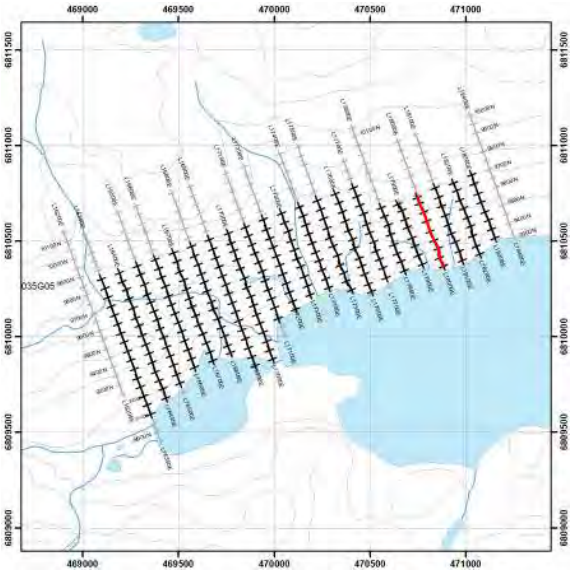
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

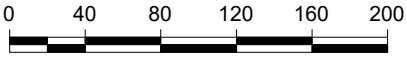
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18000E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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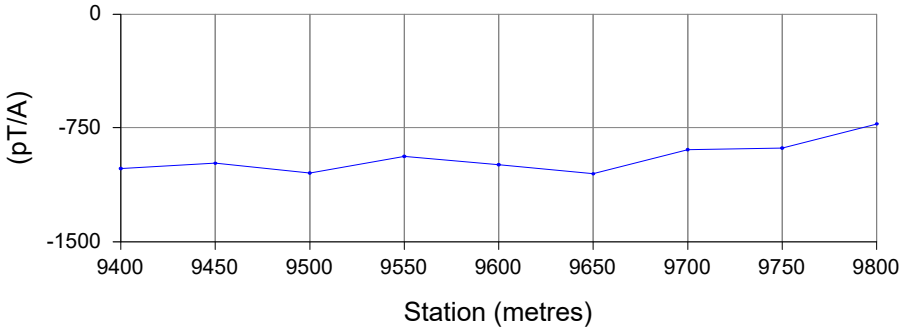
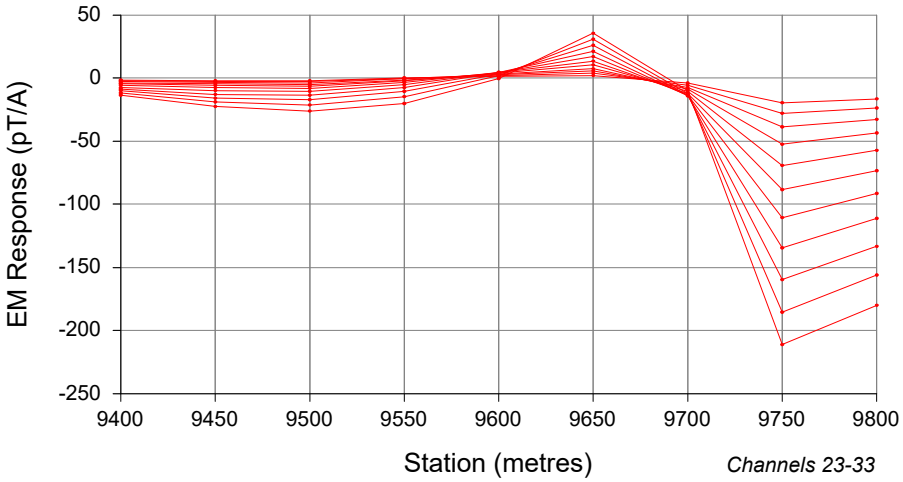
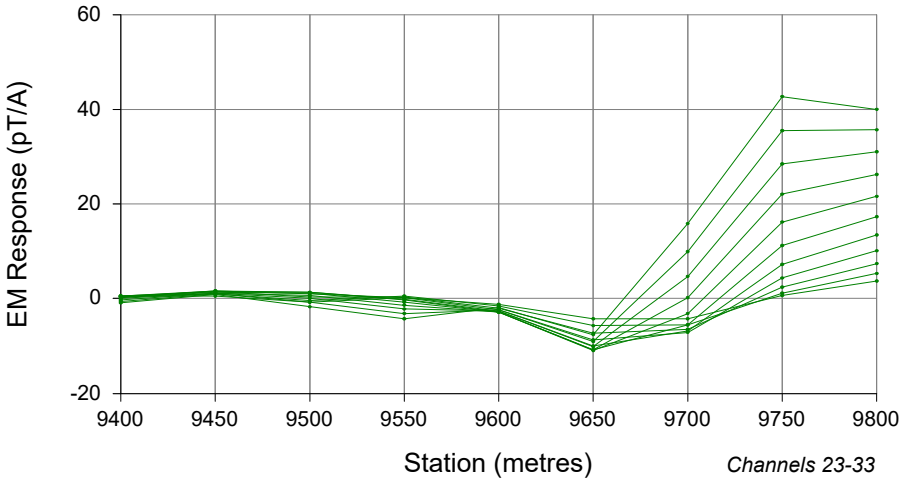
Z Primary Field



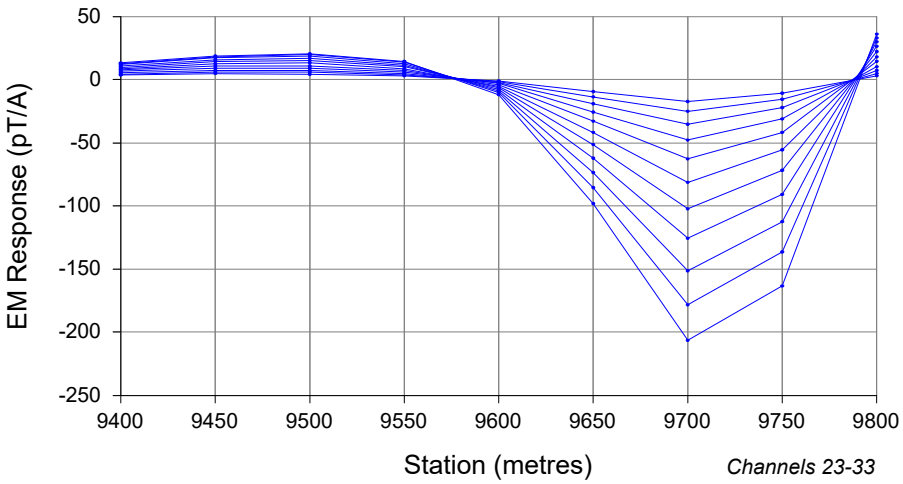
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



SURVEY PARAMETERS

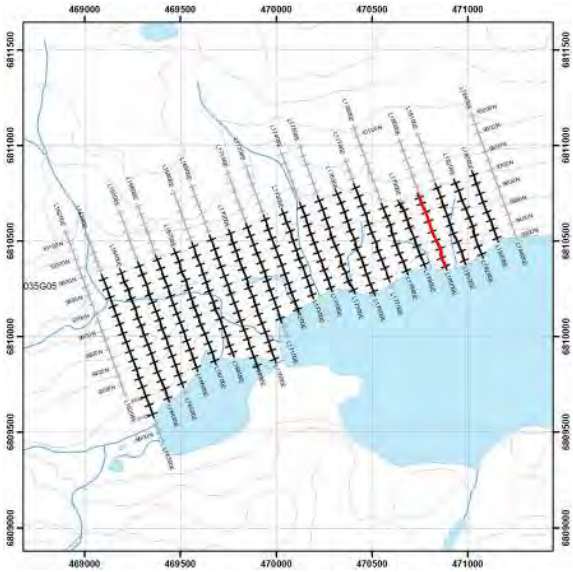
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

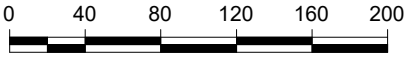
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

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Slingram Survey

Line 18000E

Surveyed By: Cole Smytaniuk
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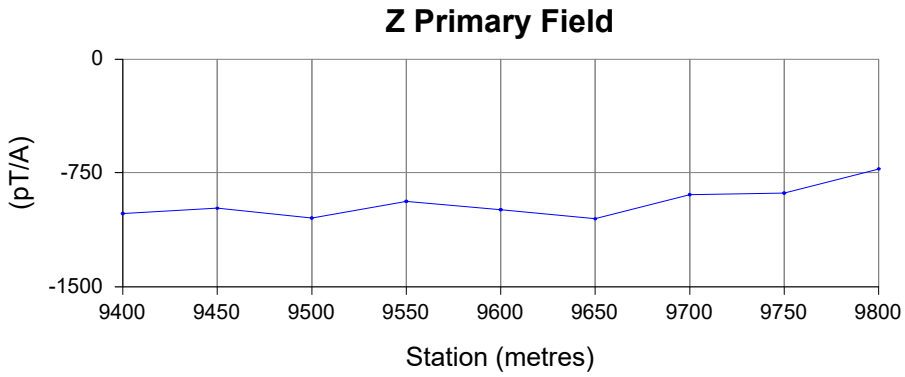
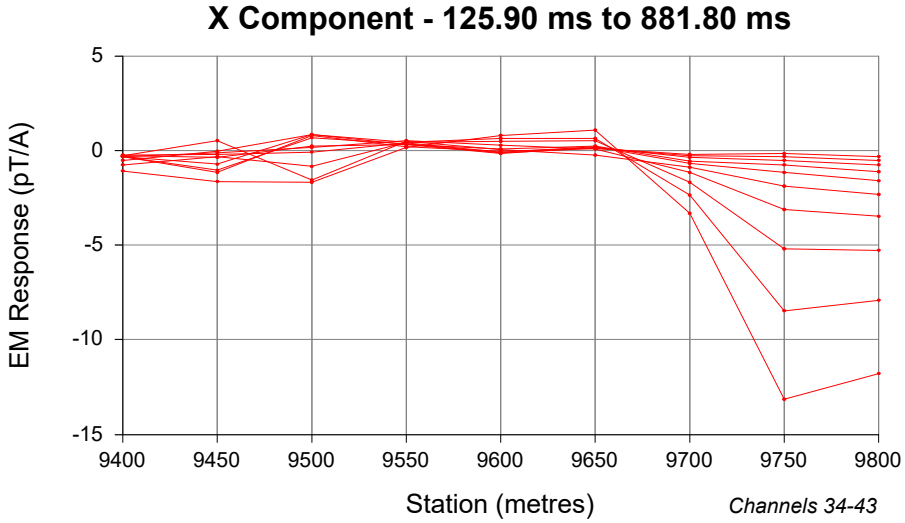
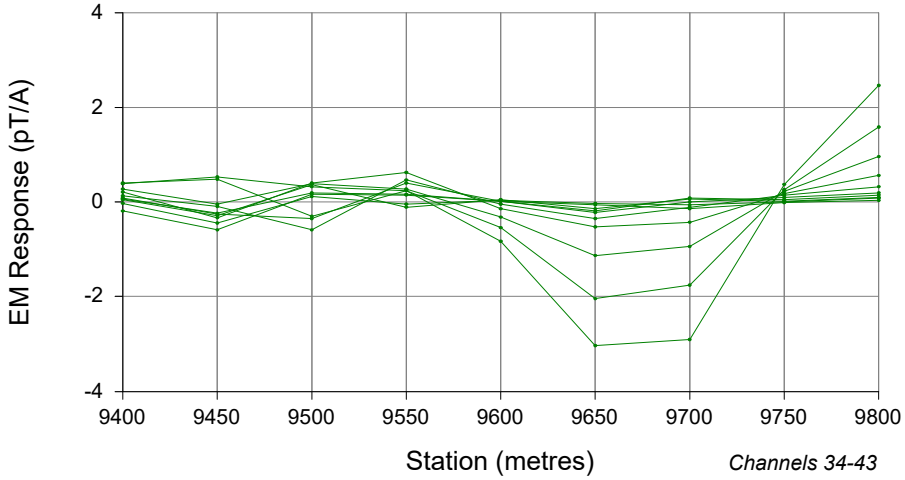
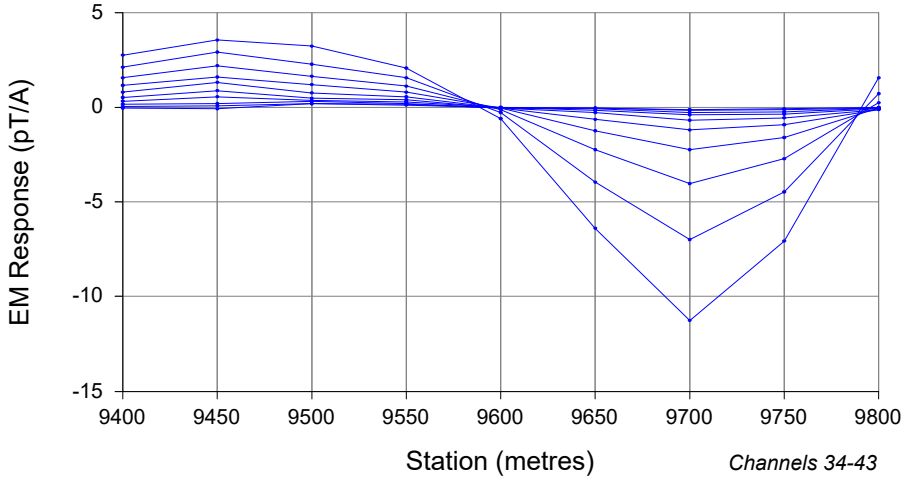








SURVEY PARAMETERS

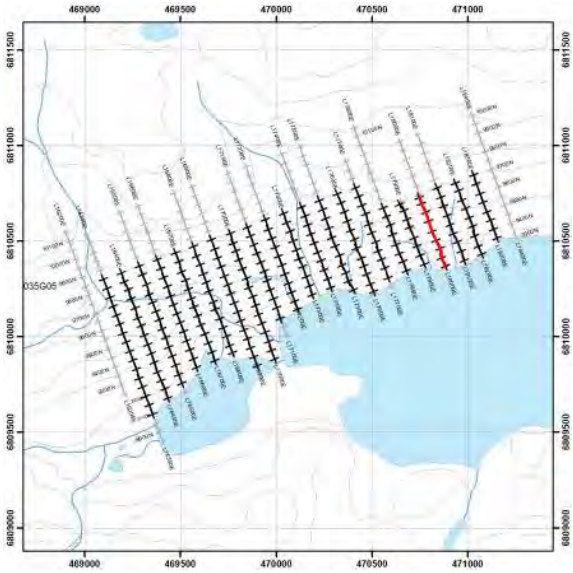
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

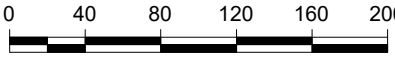
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

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Supracon Jessy HT SQUID
Slingram Survey

Line 18000E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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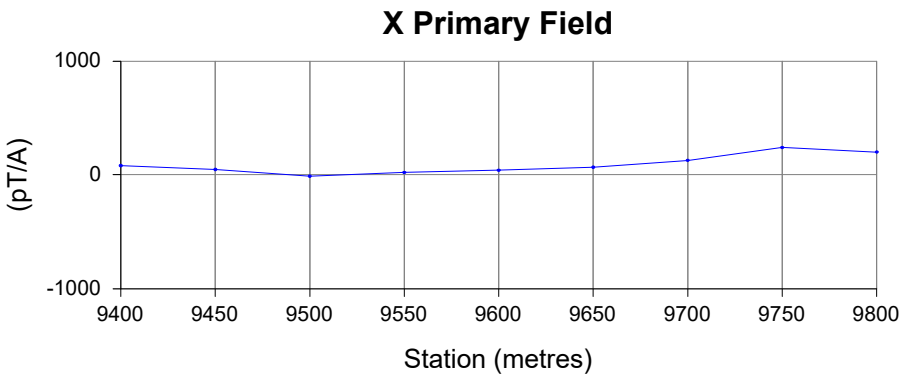
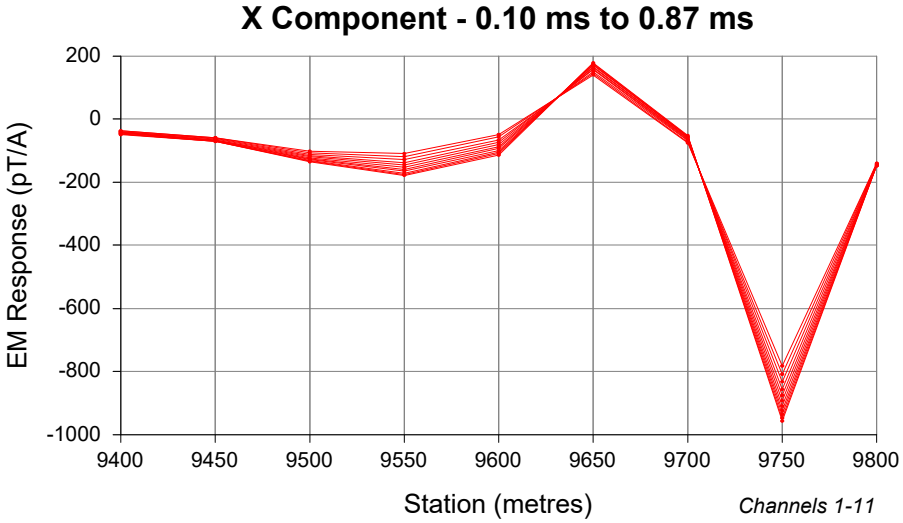
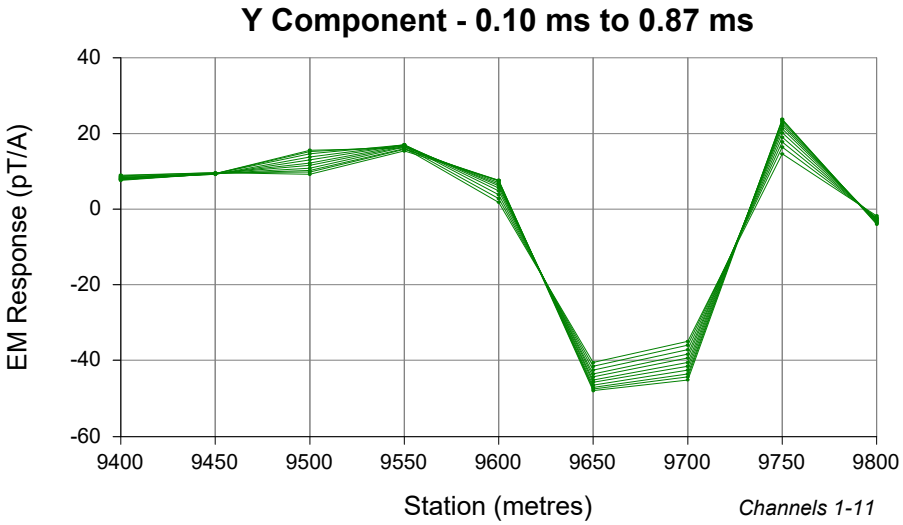
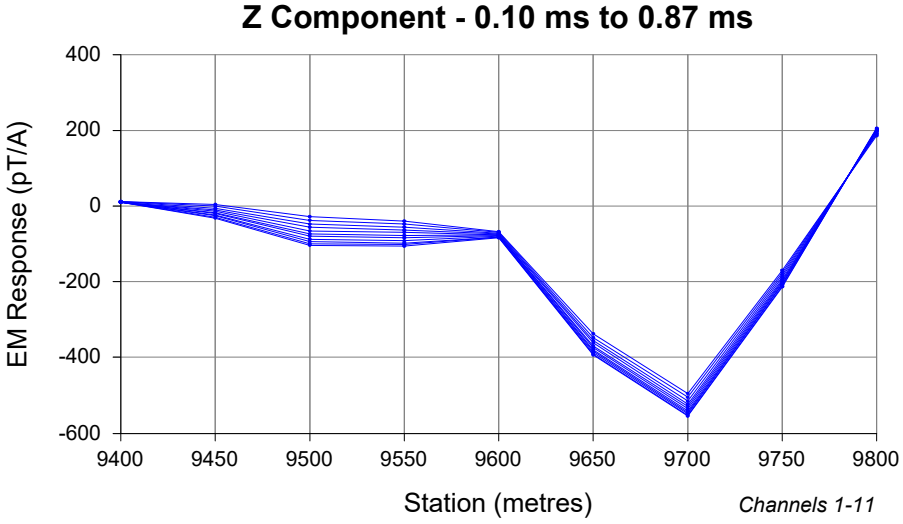








SURVEY PARAMETERS

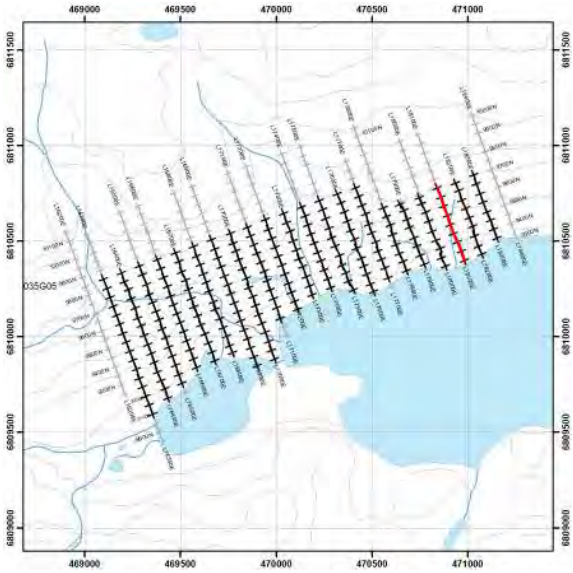
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

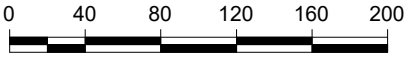
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
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Supracon Jessy HT SQUID
Slingram Survey

Line 18100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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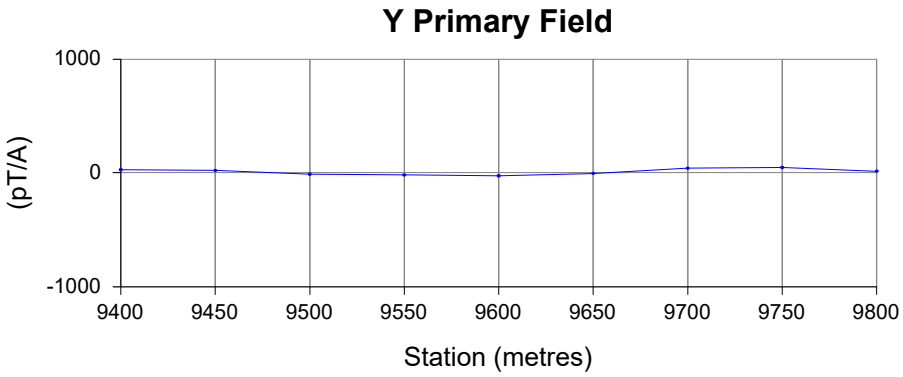
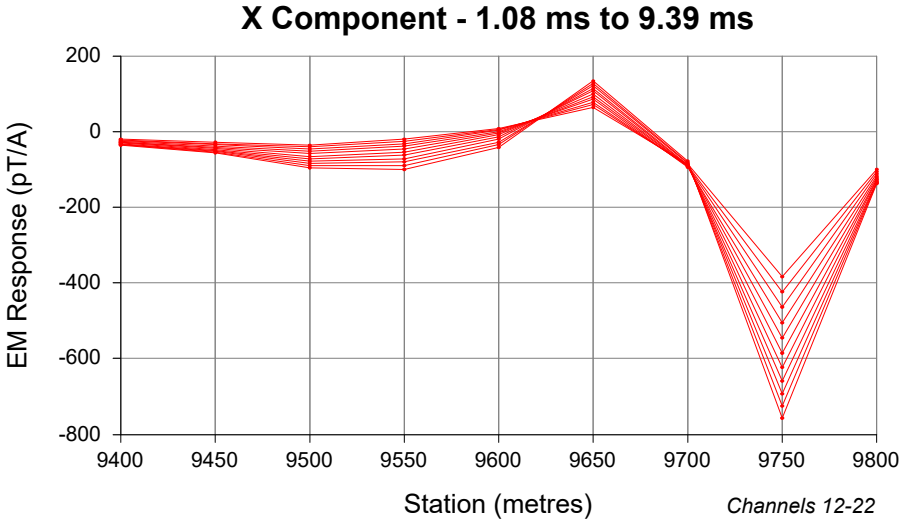
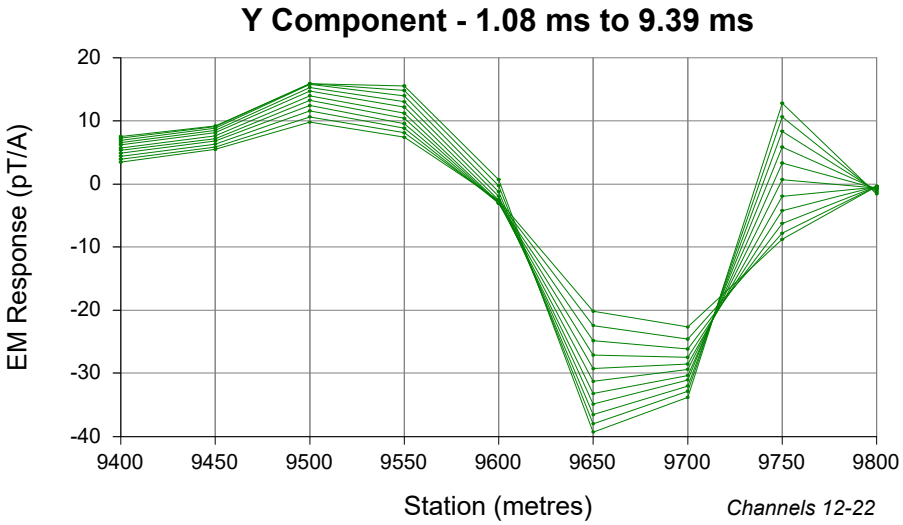
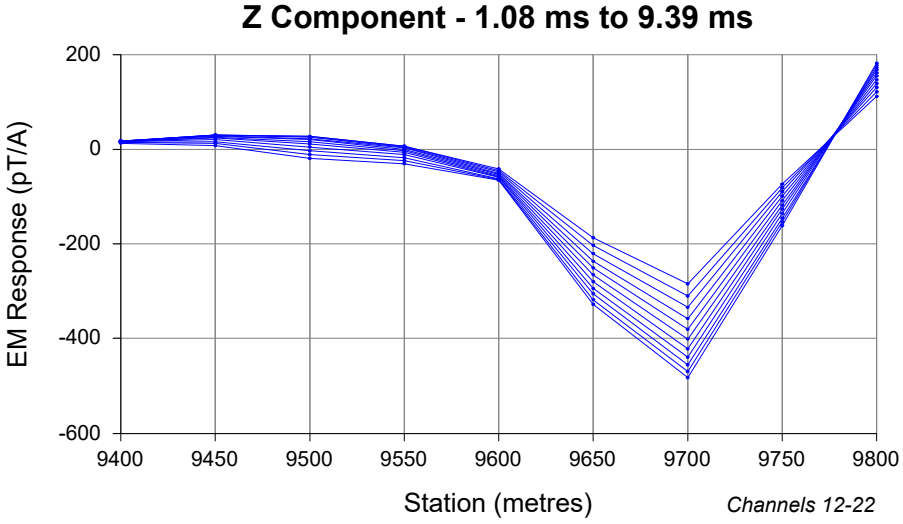








SURVEY PARAMETERS

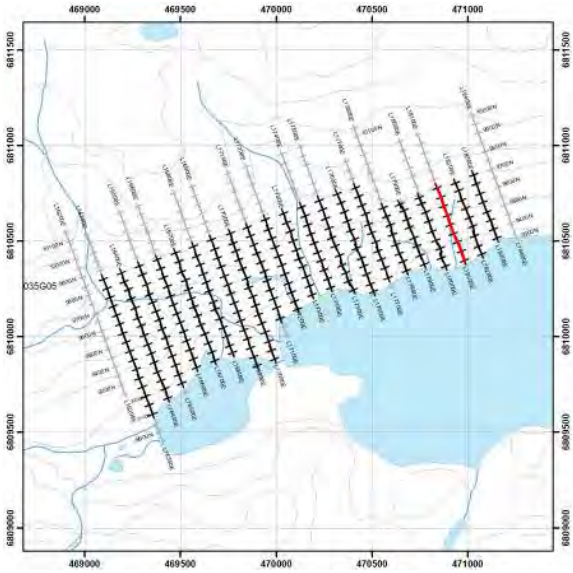
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

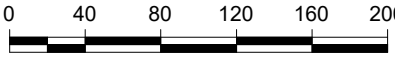
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
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Slingram Survey

Line 18100E

Surveyed By: Joseph Cook
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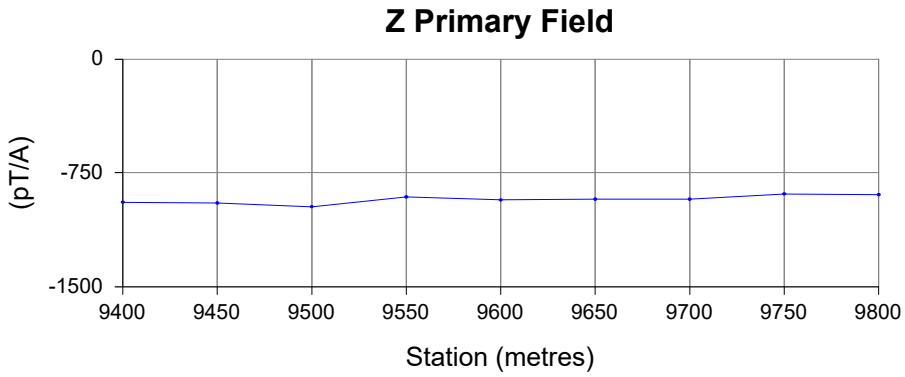
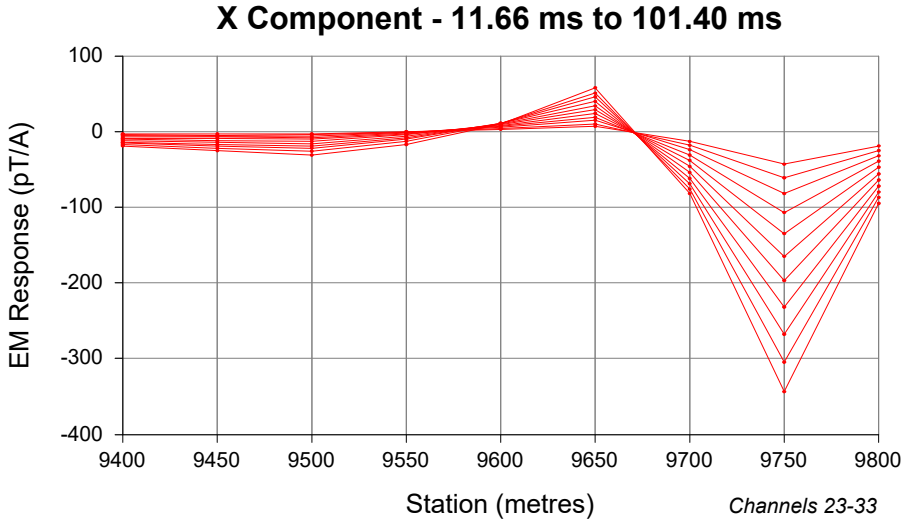
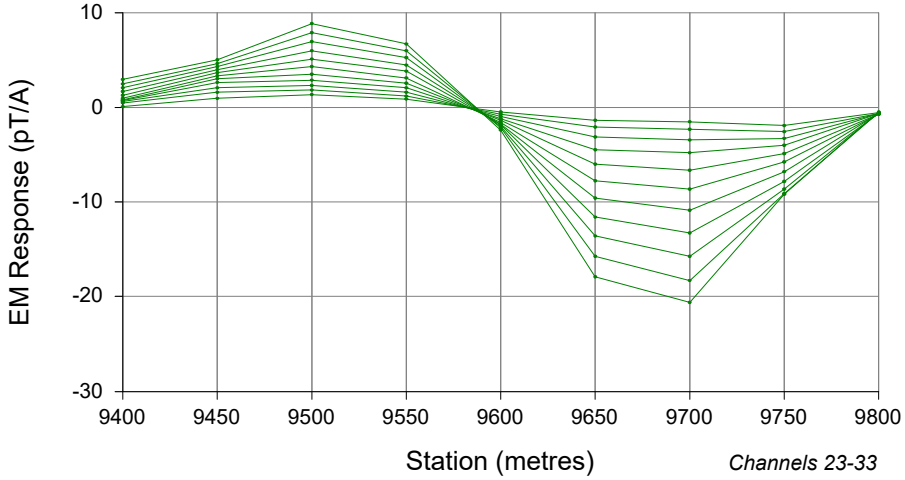
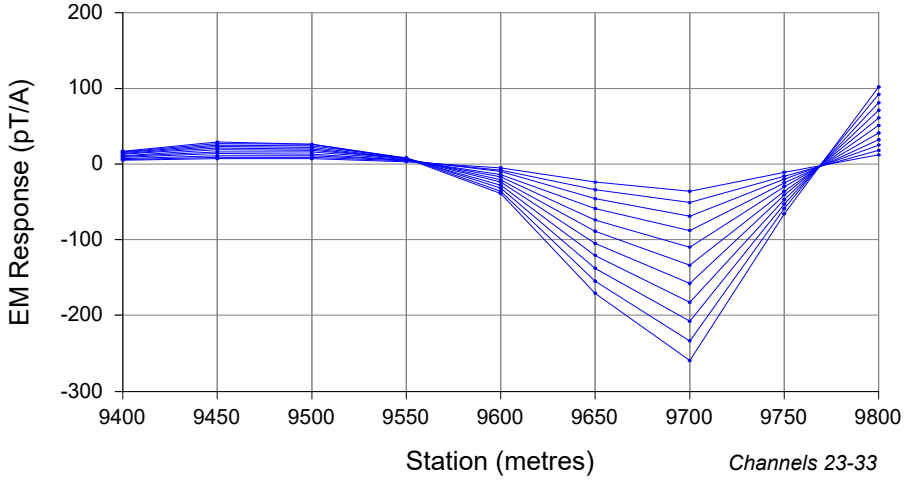








SURVEY PARAMETERS

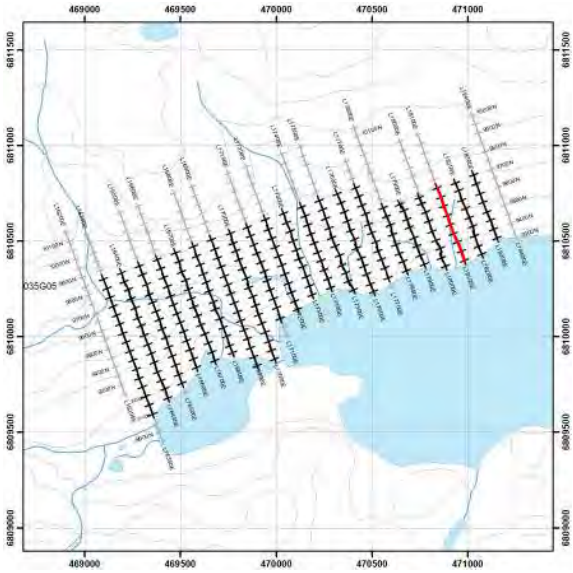
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

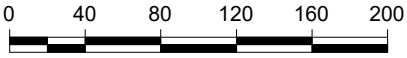
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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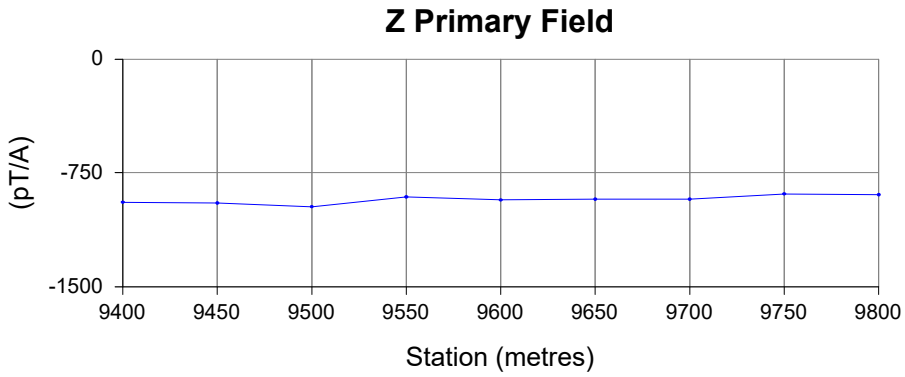
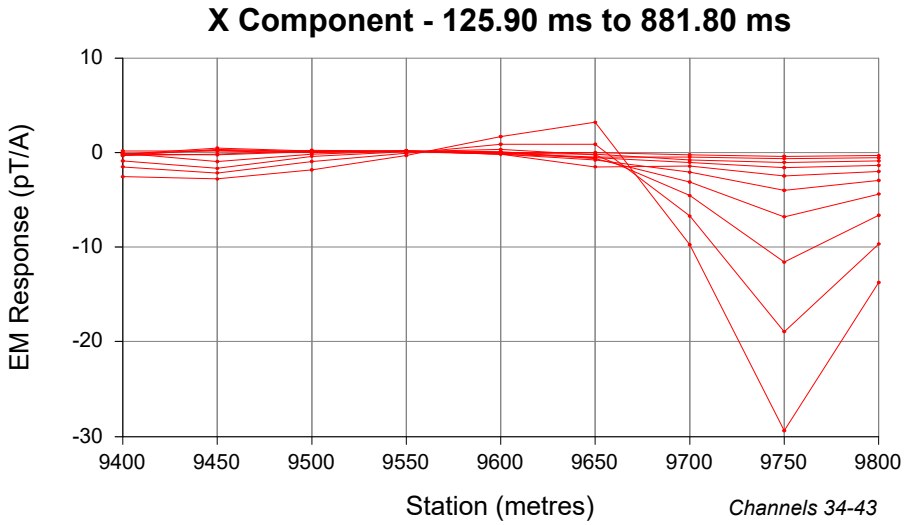
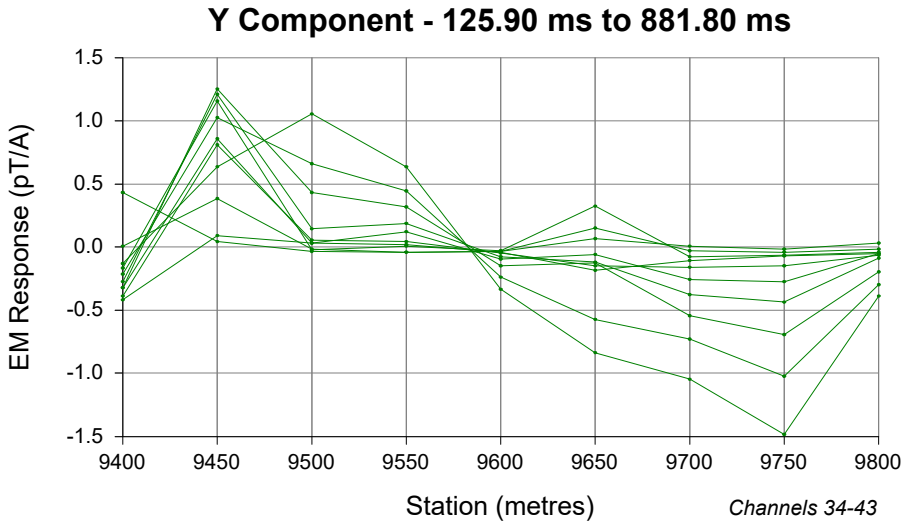
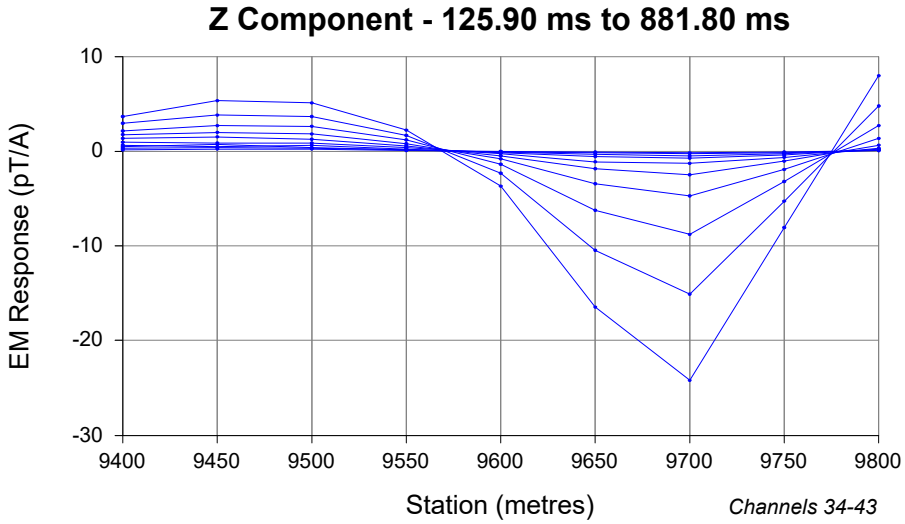








SURVEY PARAMETERS

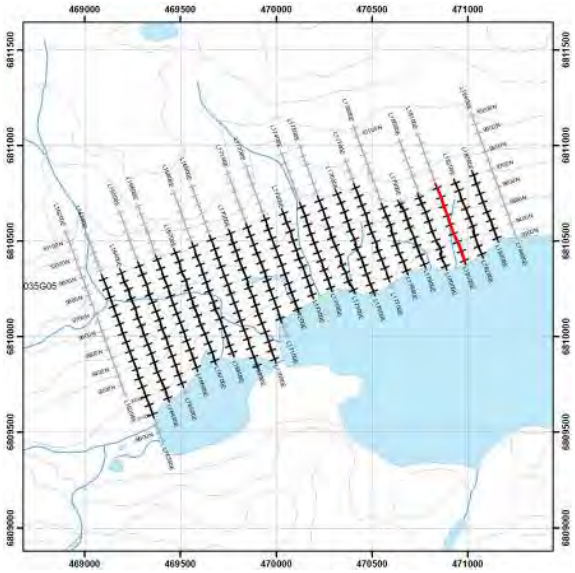
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

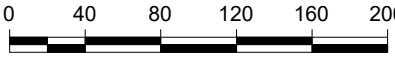
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18100E

Surveyed By: Joseph Cook
Survey Date: August 2021

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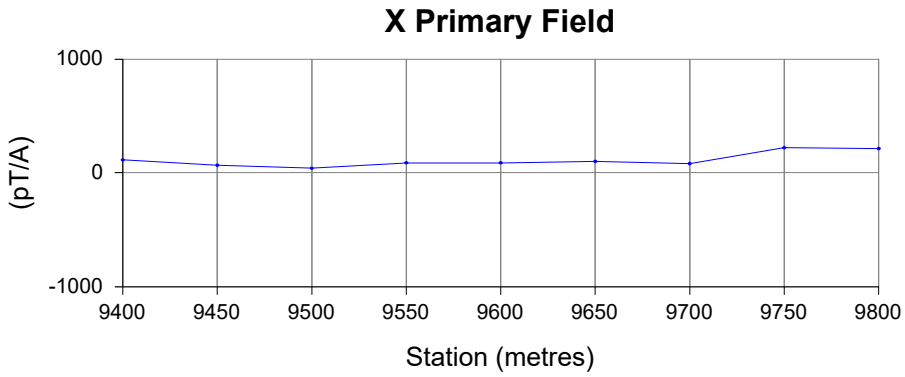
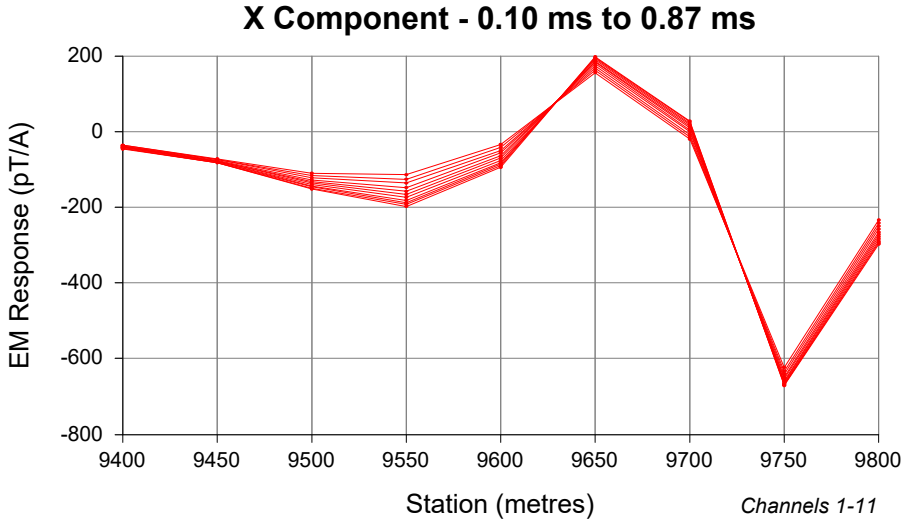
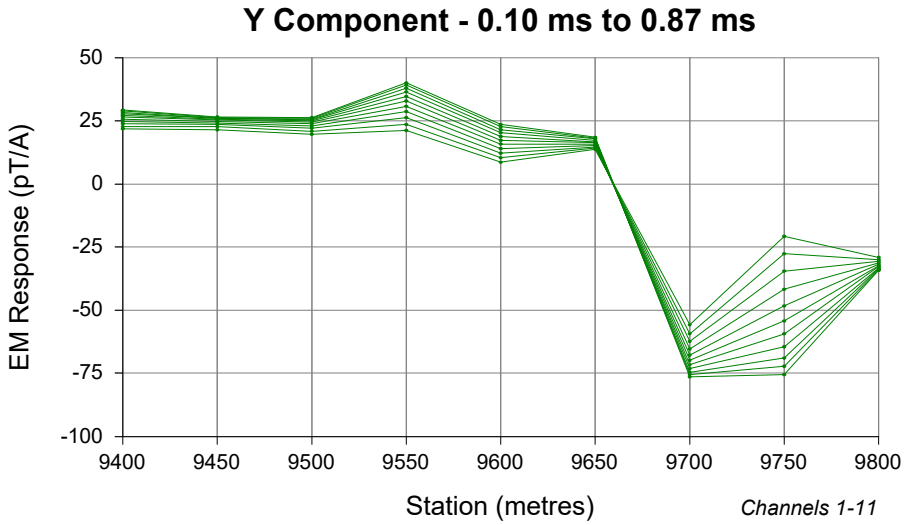
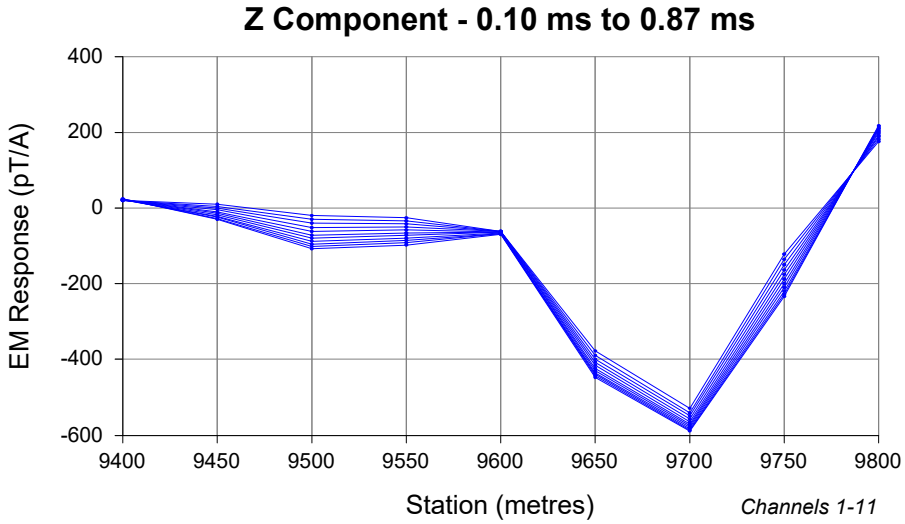








SURVEY PARAMETERS

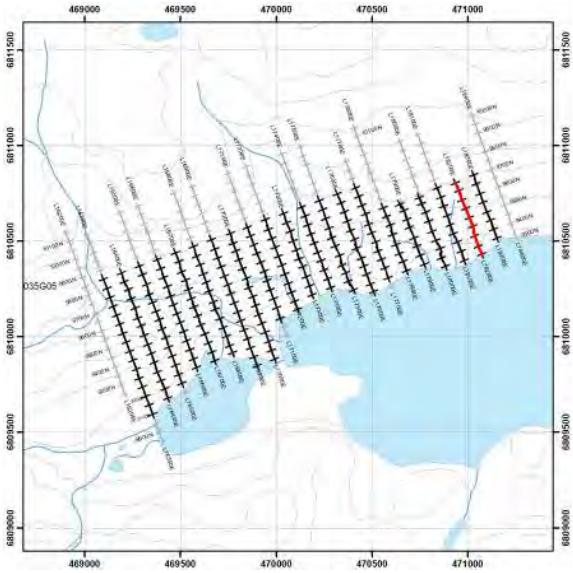
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

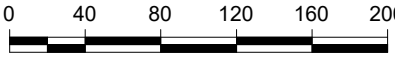
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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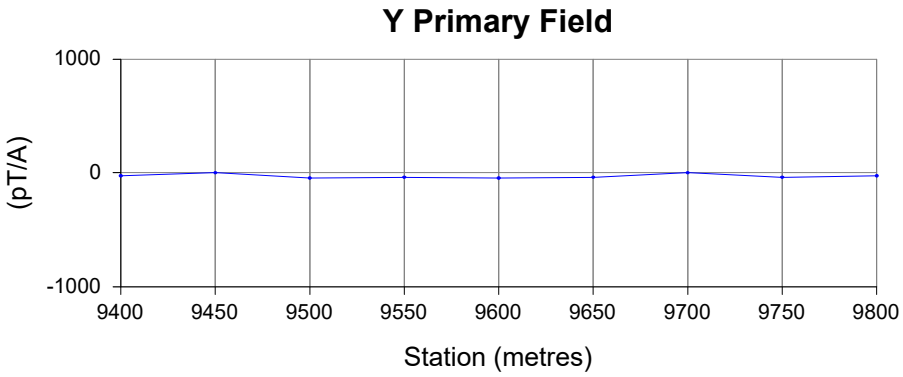
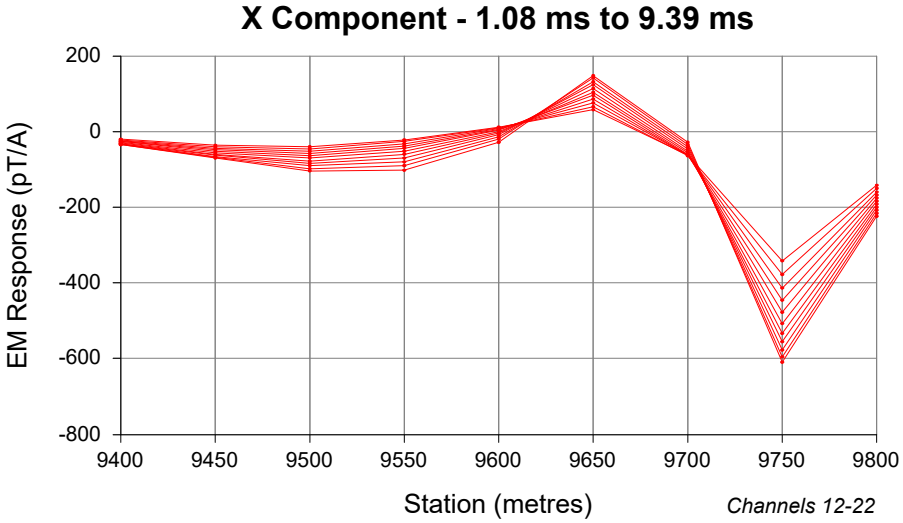
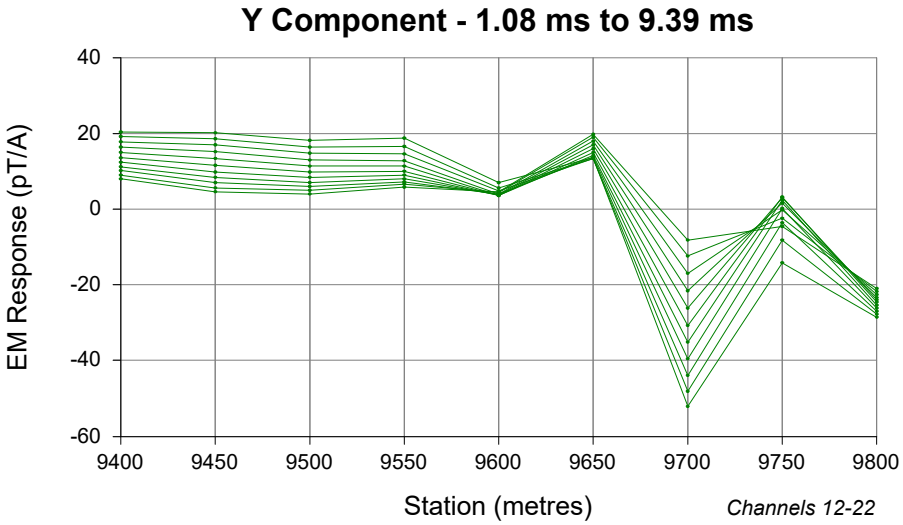
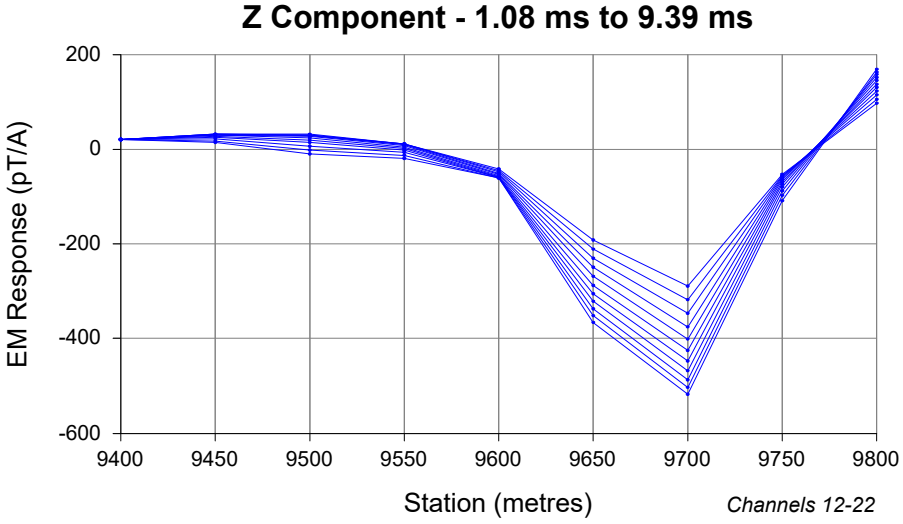








SURVEY PARAMETERS

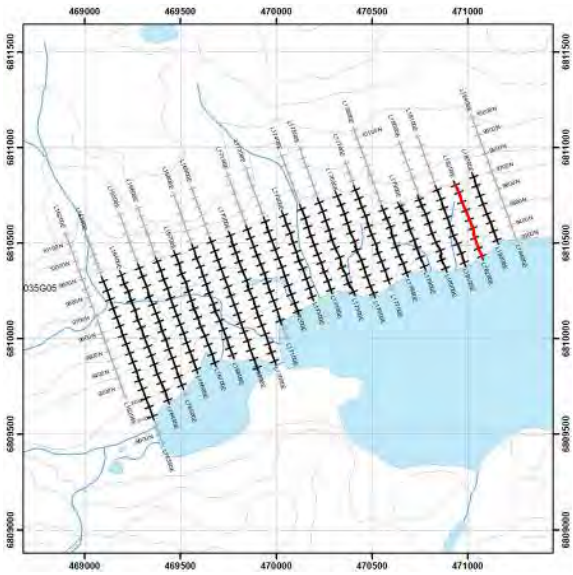
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

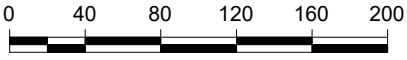
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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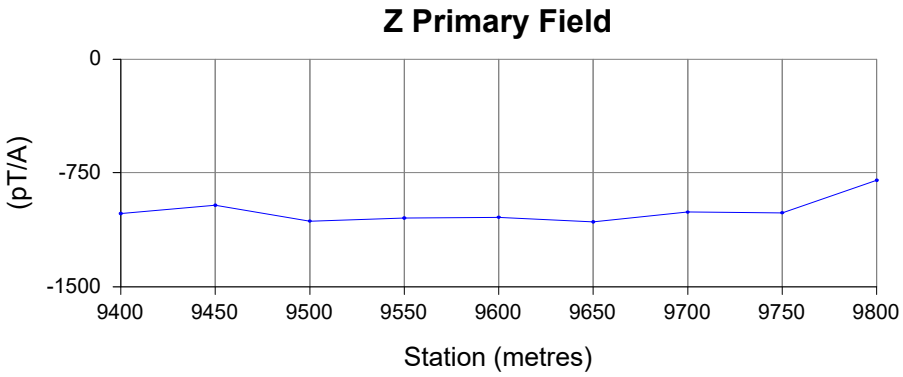
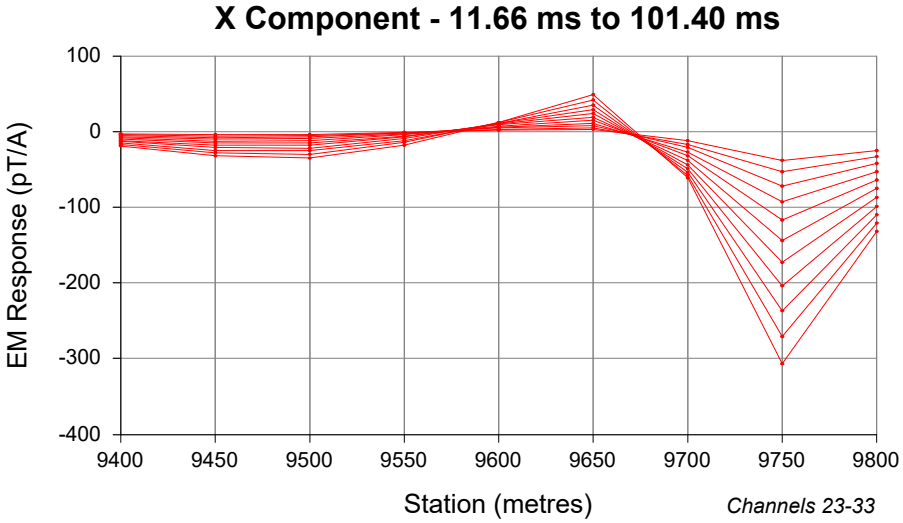
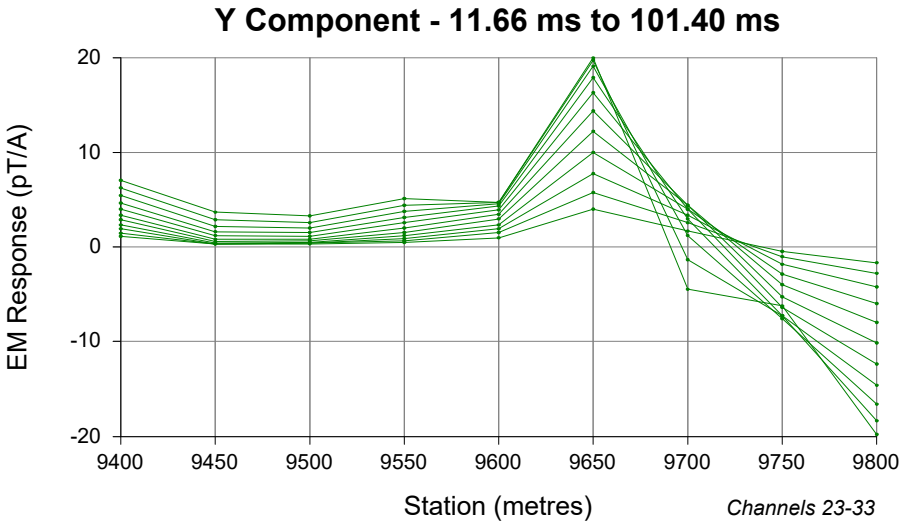
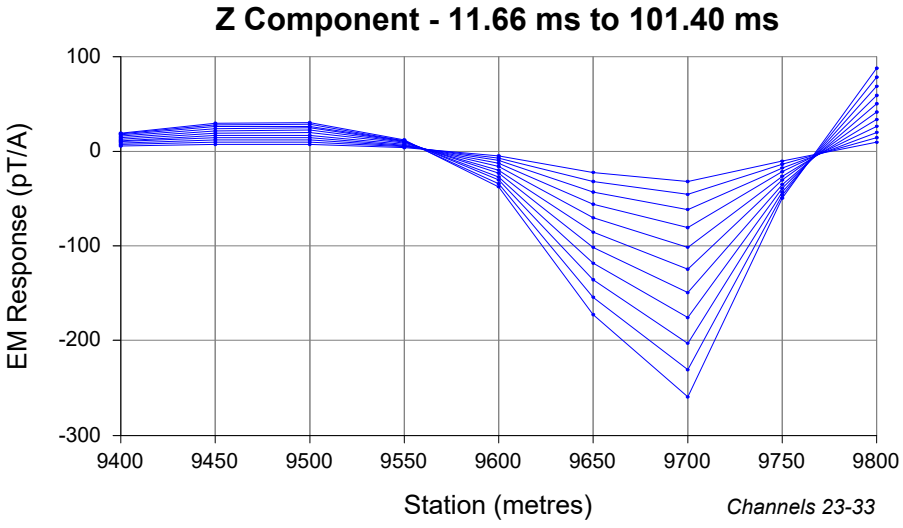








SURVEY PARAMETERS

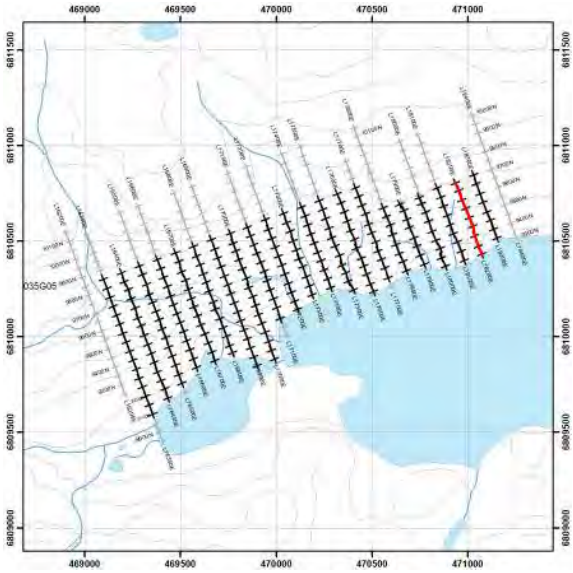
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

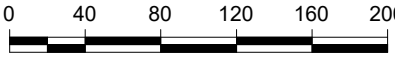
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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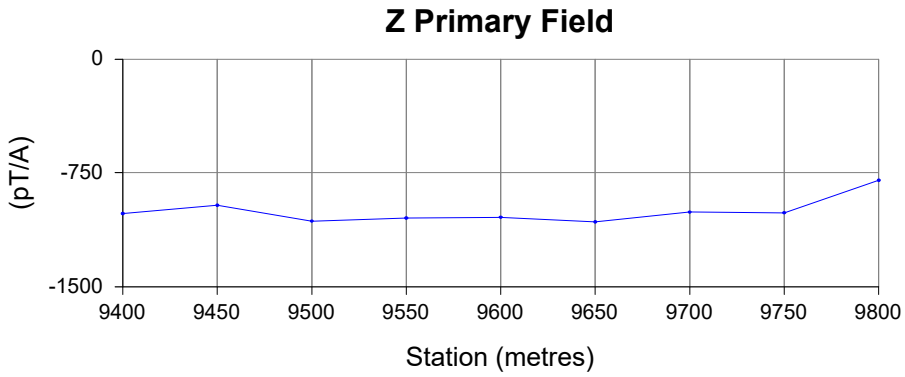
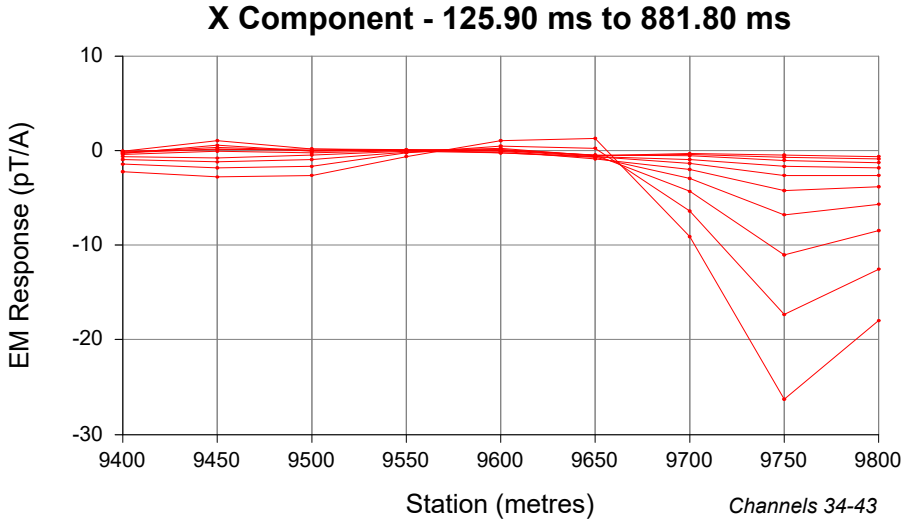
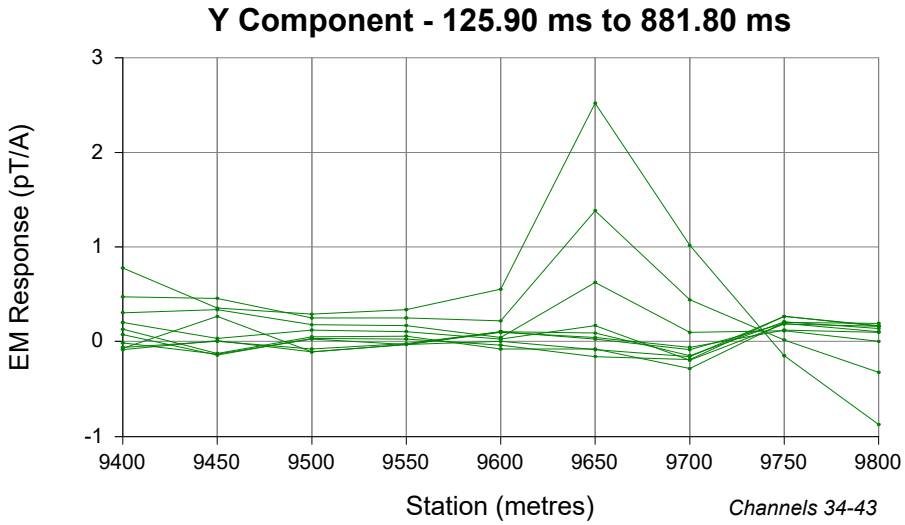
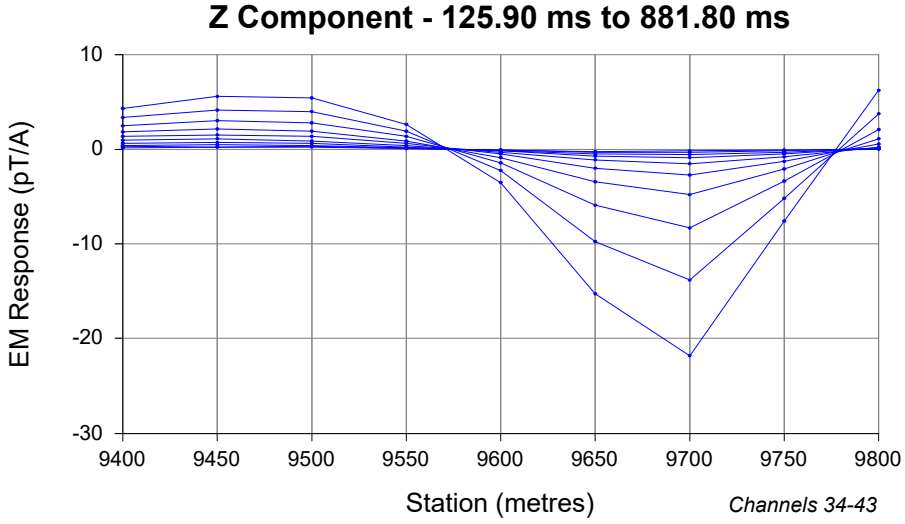








SURVEY PARAMETERS

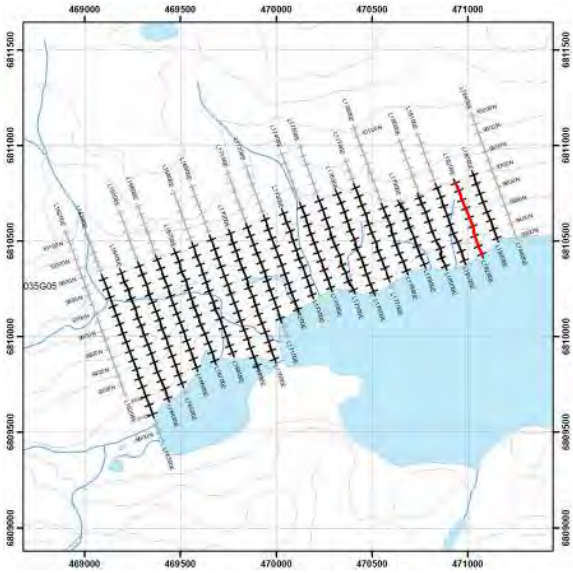
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

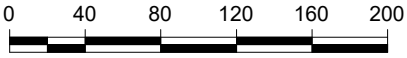
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:4000

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18200E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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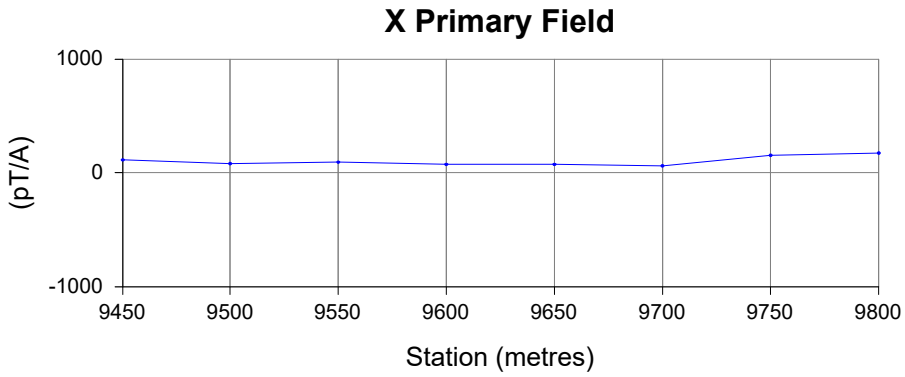
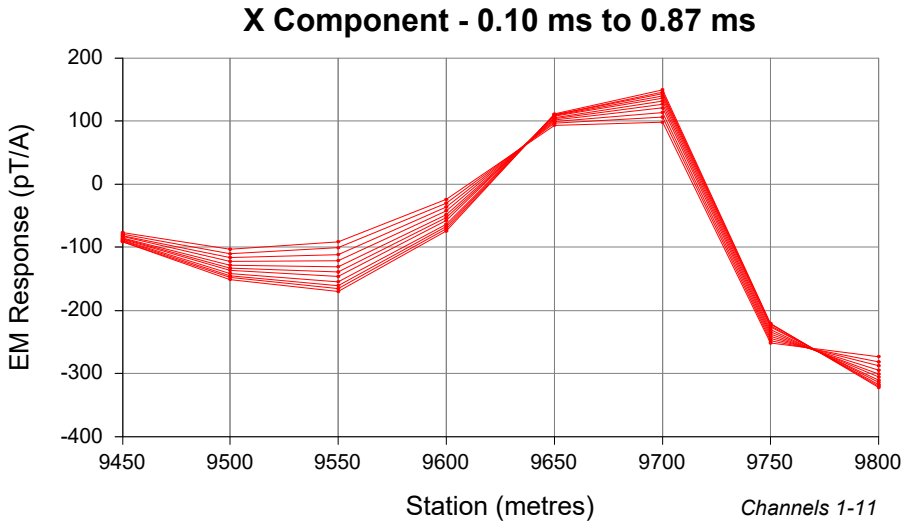
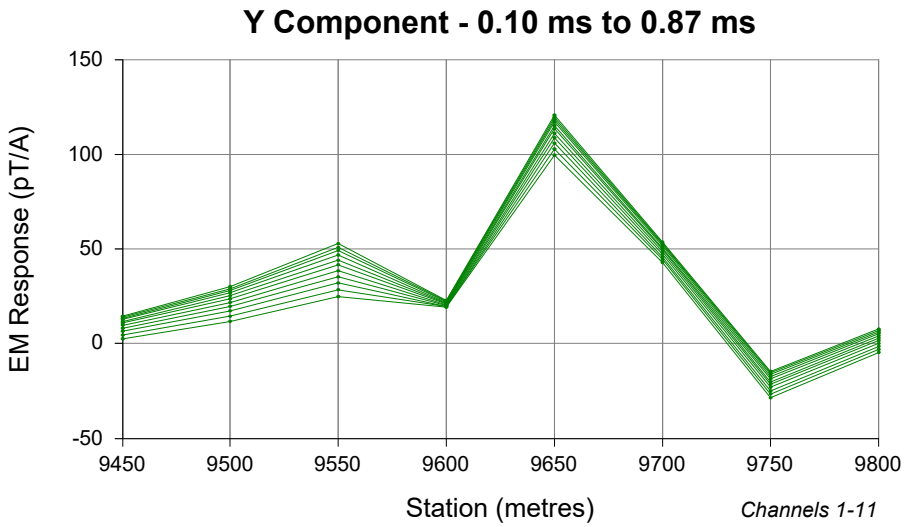
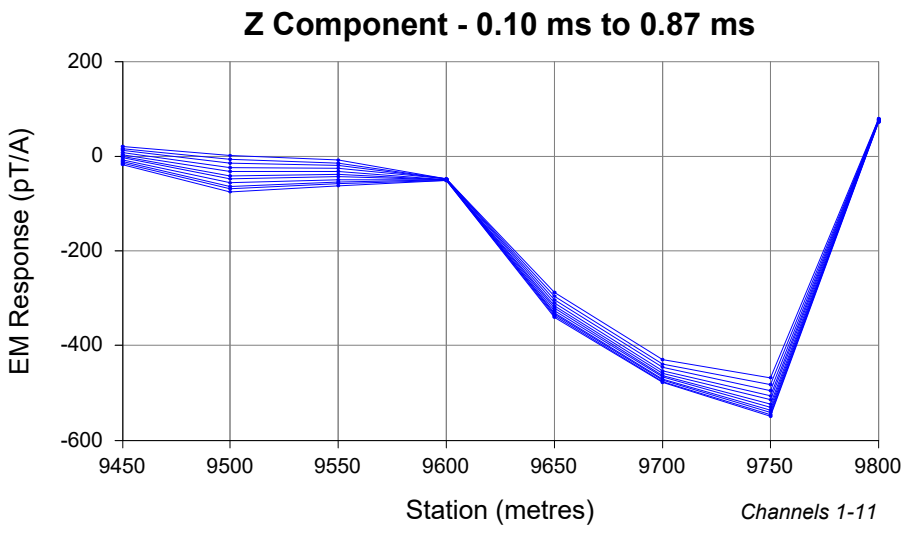








SURVEY PARAMETERS

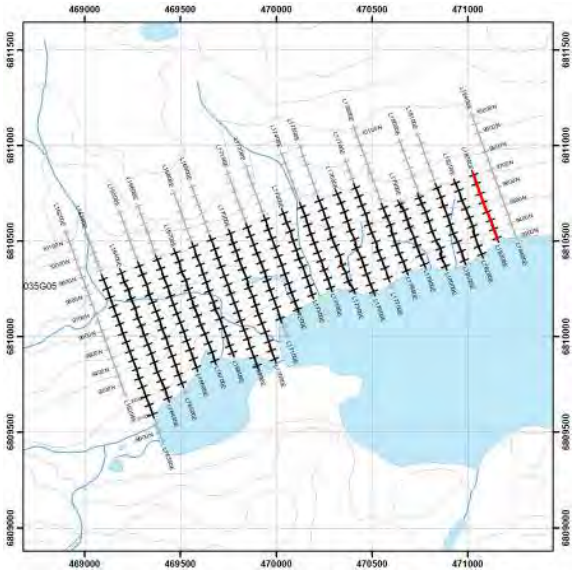
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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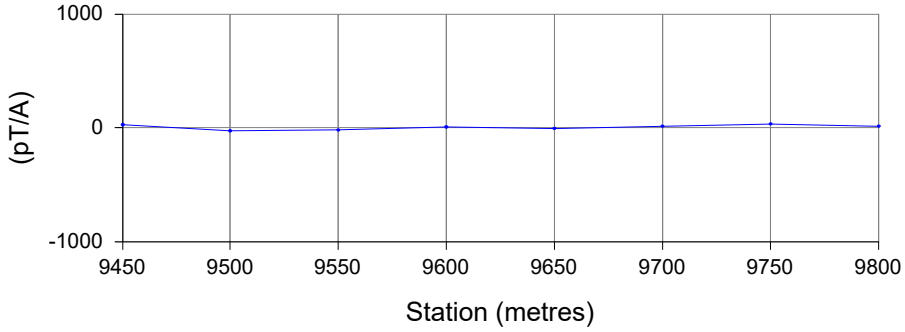
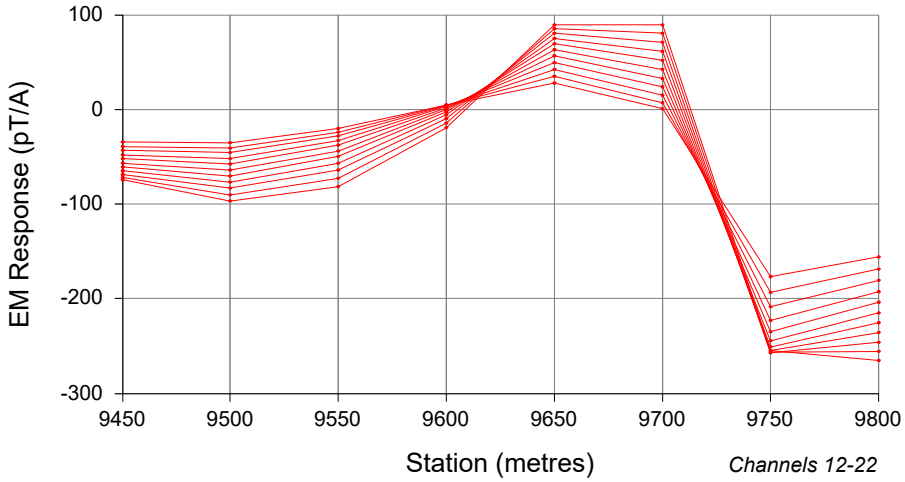
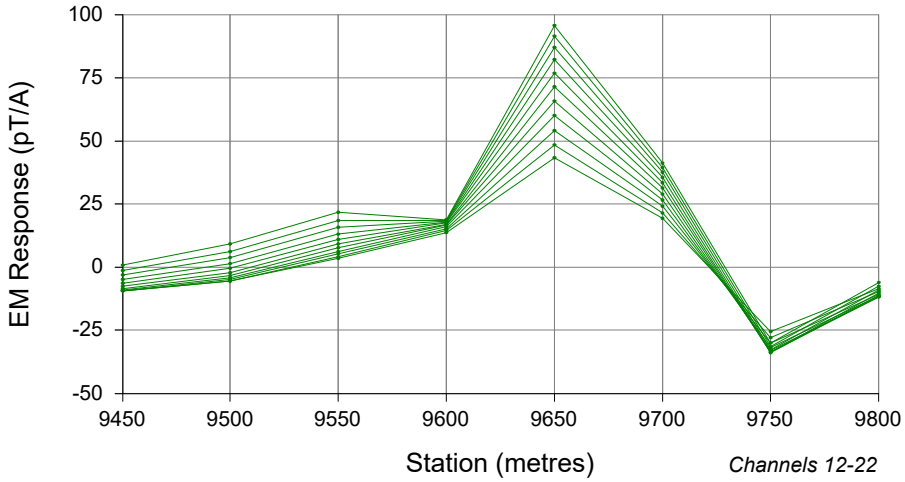
Y Primary Field



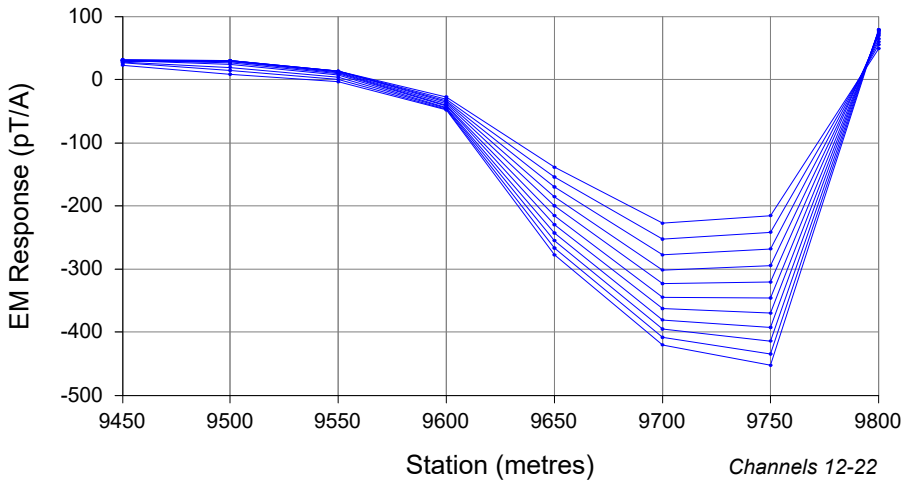
X Component - 1.08 ms to 9.39 ms



Y Component - 1.08 ms to 9.39 ms



Z Component - 1.08 ms to 9.39 ms



SURVEY PARAMETERS

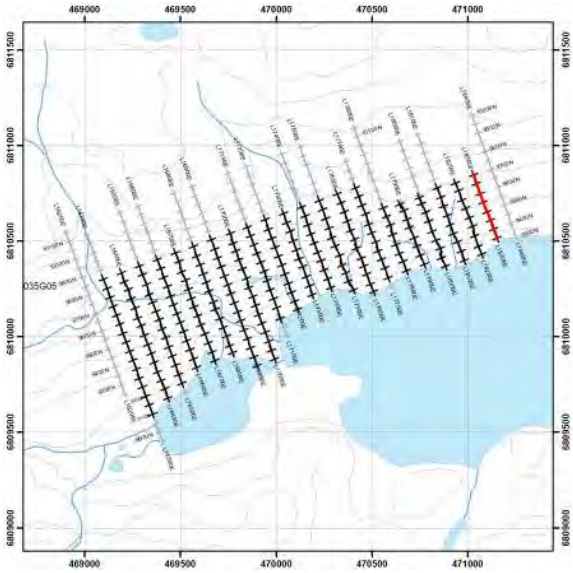
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

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West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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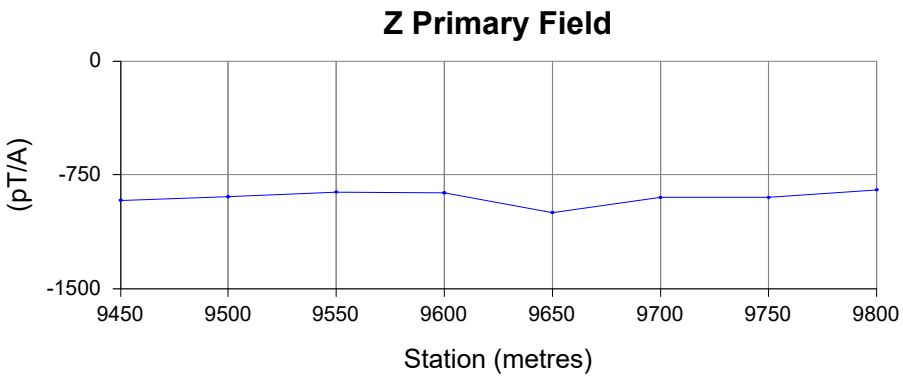
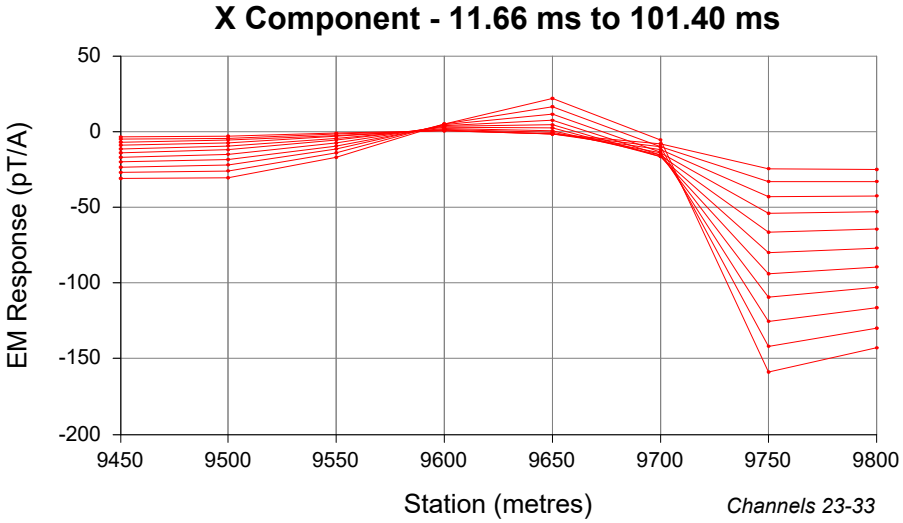
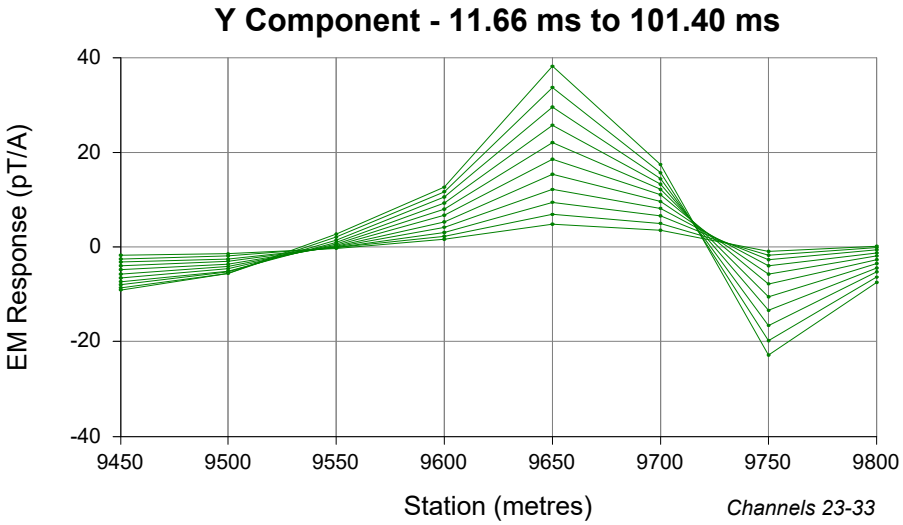
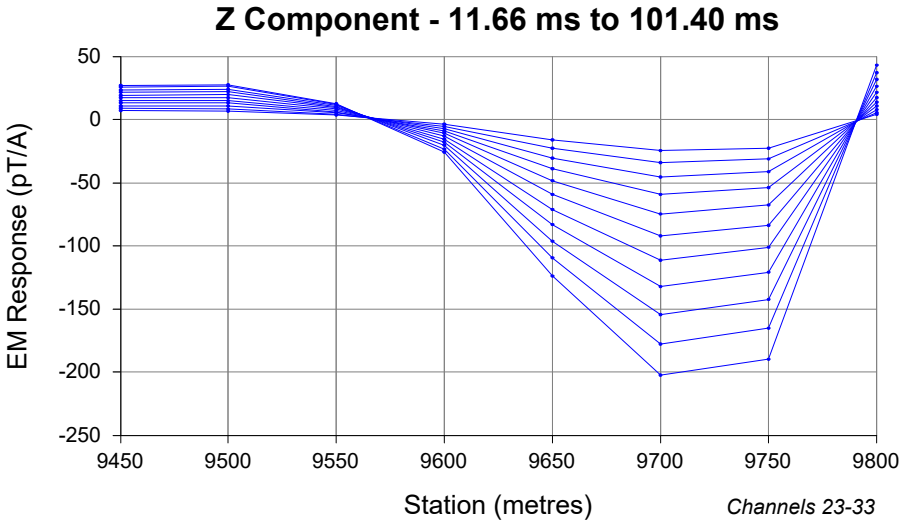








SURVEY PARAMETERS

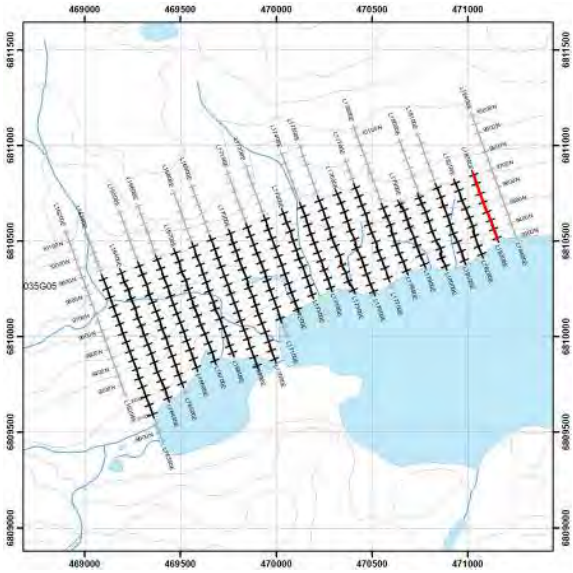
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

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Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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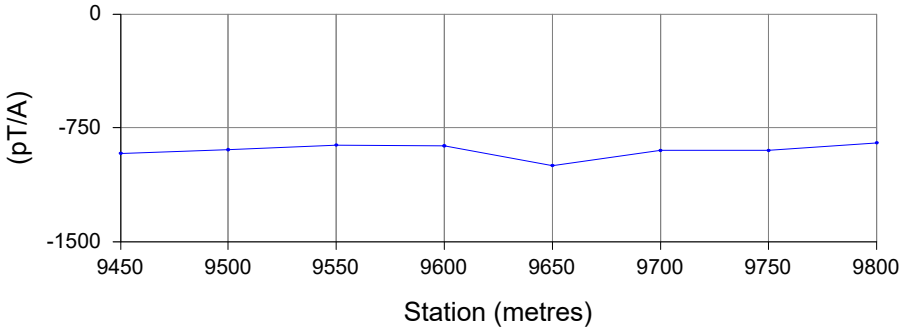
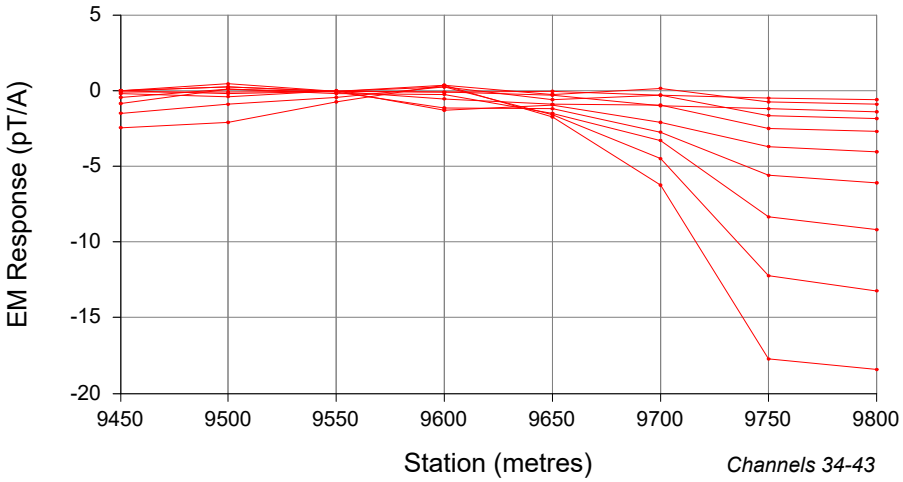
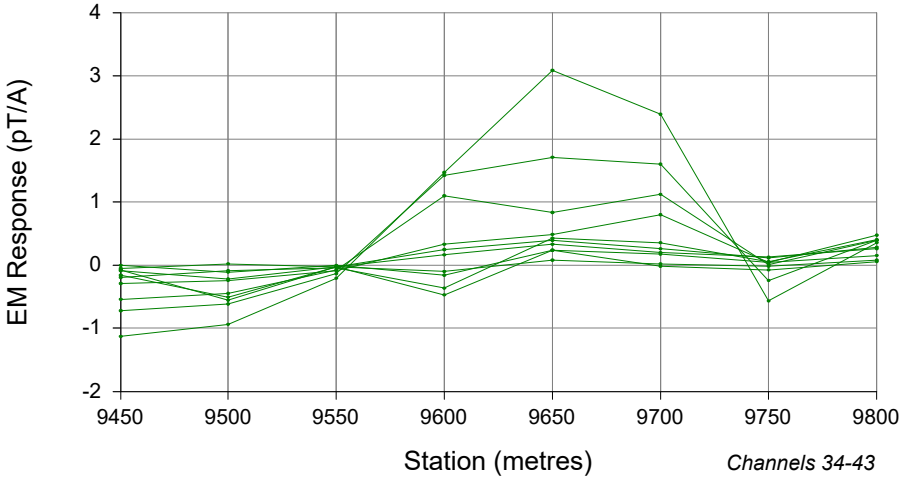
Z Primary Field



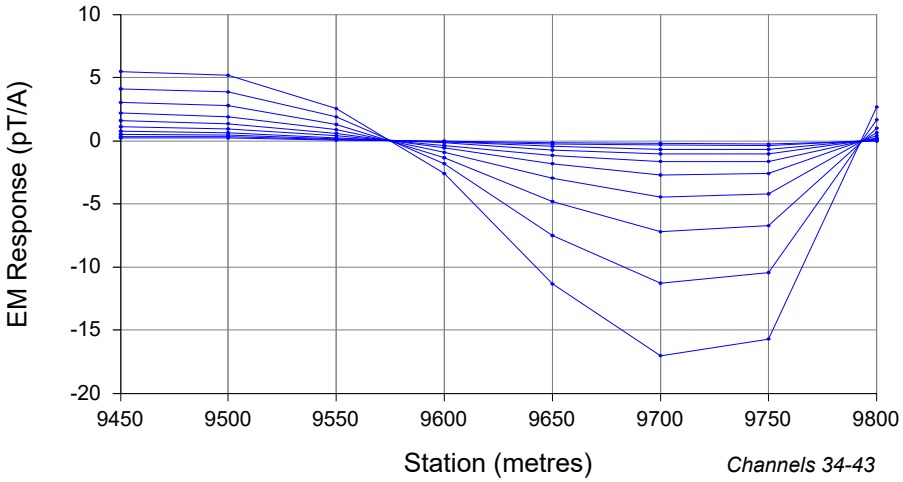
X Component - 125.90 ms to 881.80 ms



Y Component - 125.90 ms to 881.80 ms



Z Component - 125.90 ms to 881.80 ms



SURVEY PARAMETERS

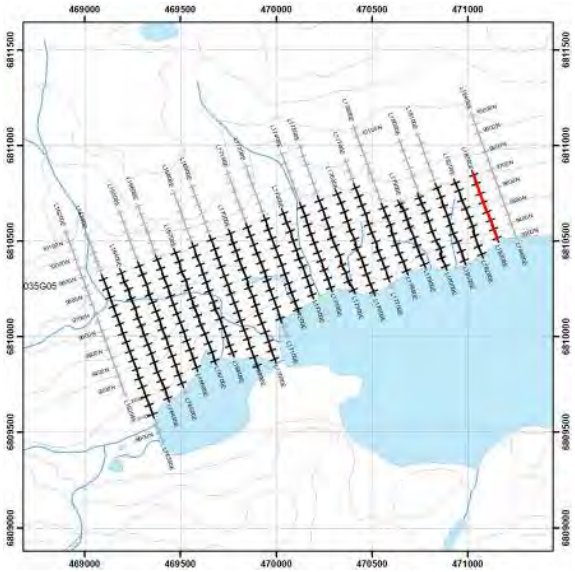
Configuration	: Slingram
Station Spacing	: 0-50 m
Rx-Tx Offset	: -200 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



Scale 1:3500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Slingram Survey

Line 18300E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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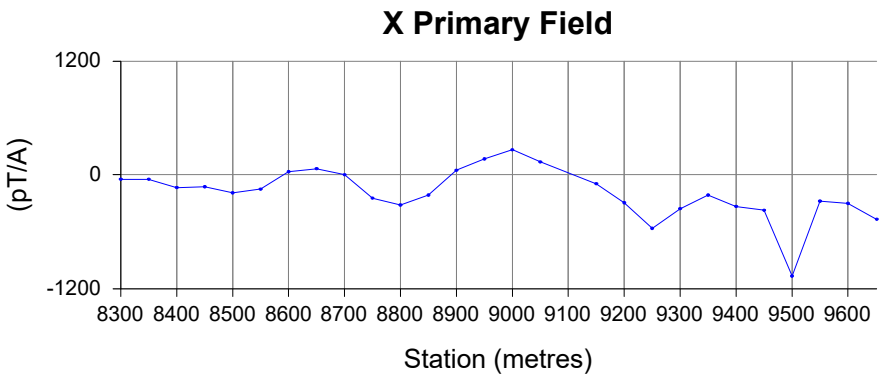
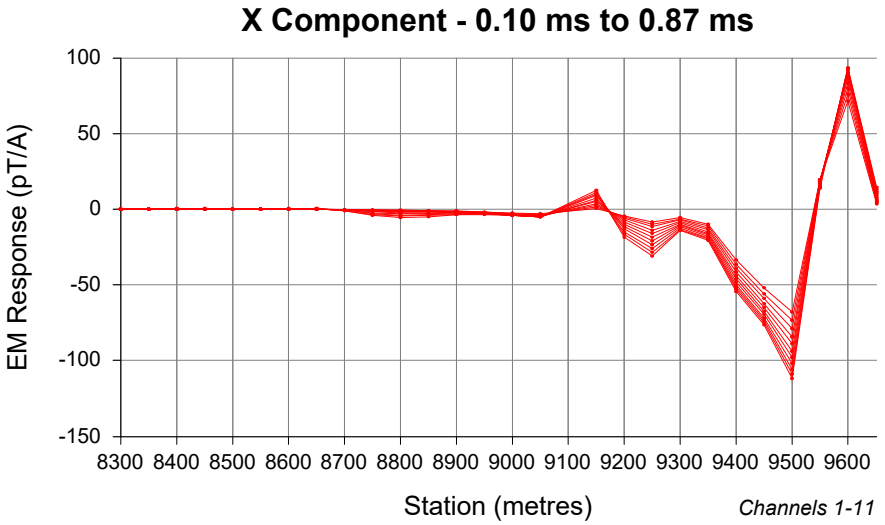
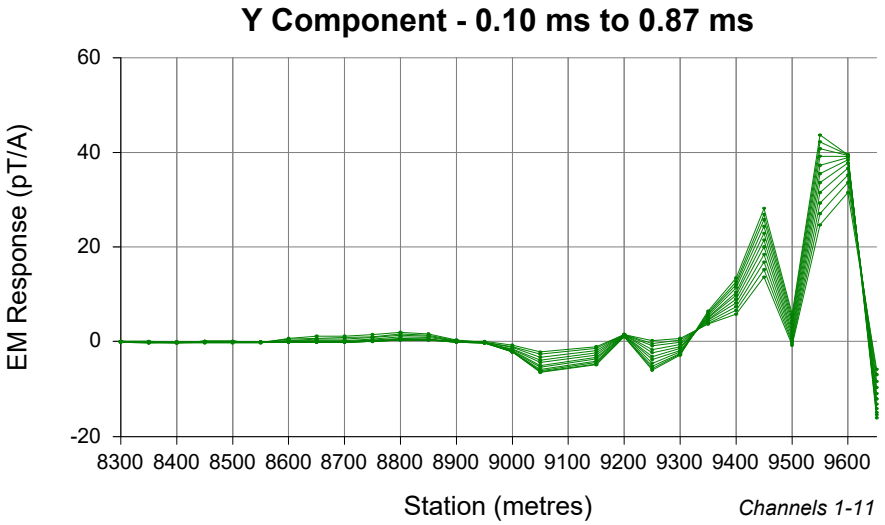
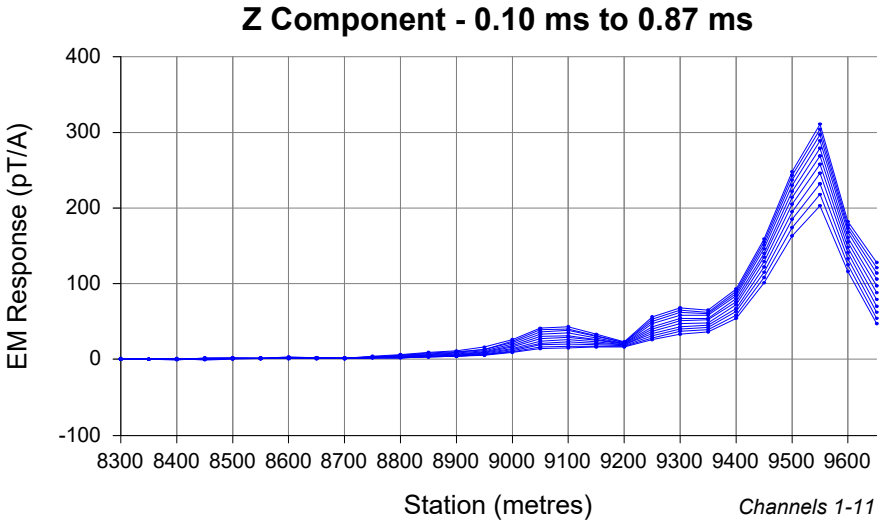
APPENDIX K – BEVERLY EAST CENTER MLTEM PROFILE PLOTS









SURVEY PARAMETERS

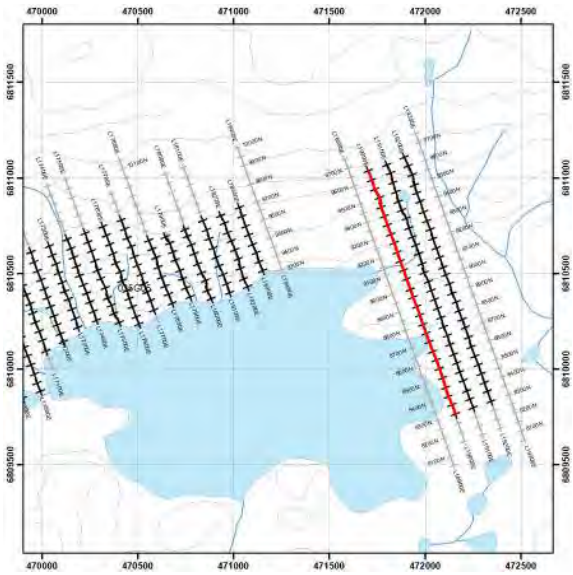
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Scale 1:13500

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Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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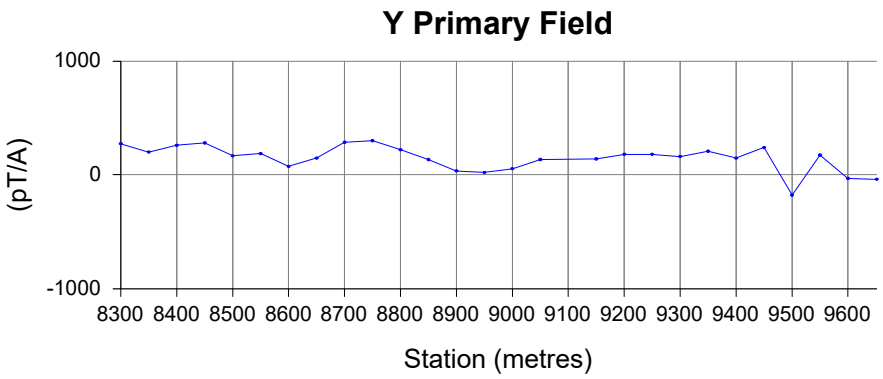
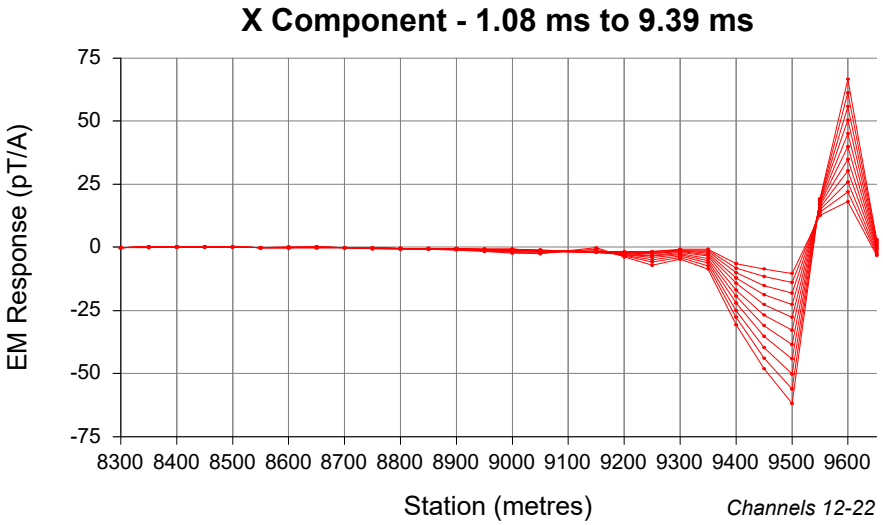
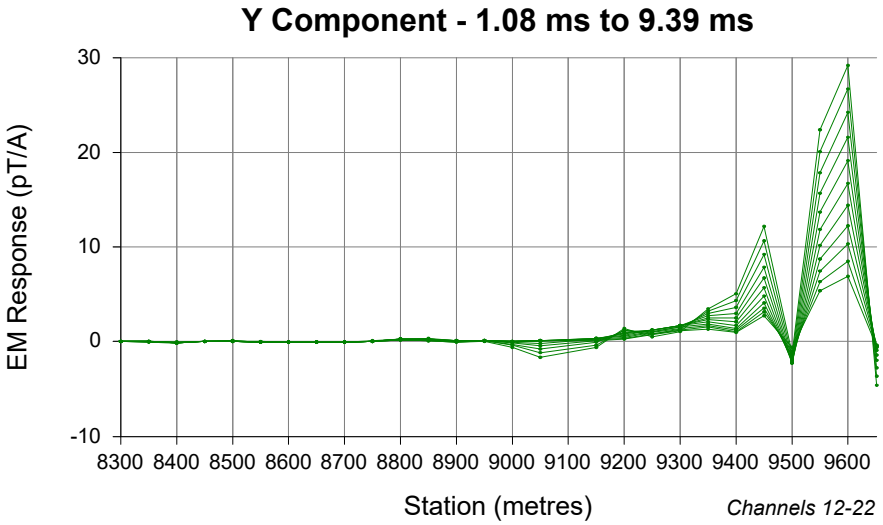
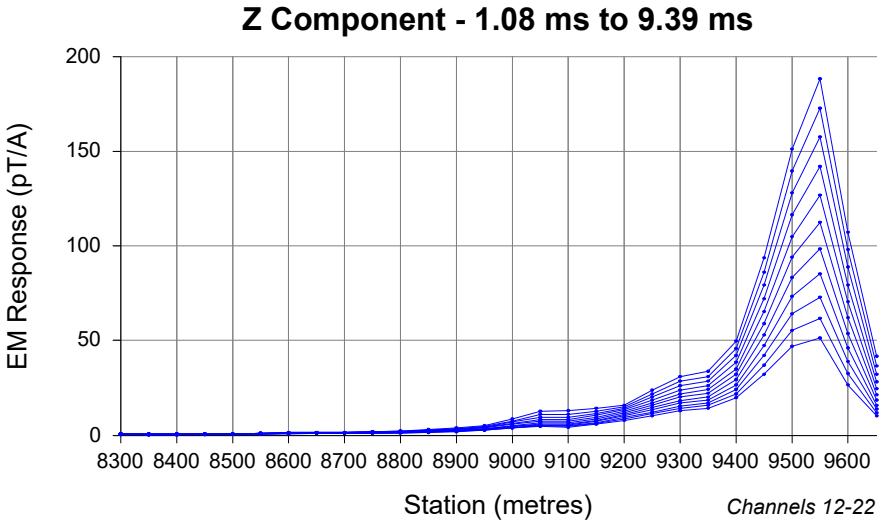








SURVEY PARAMETERS

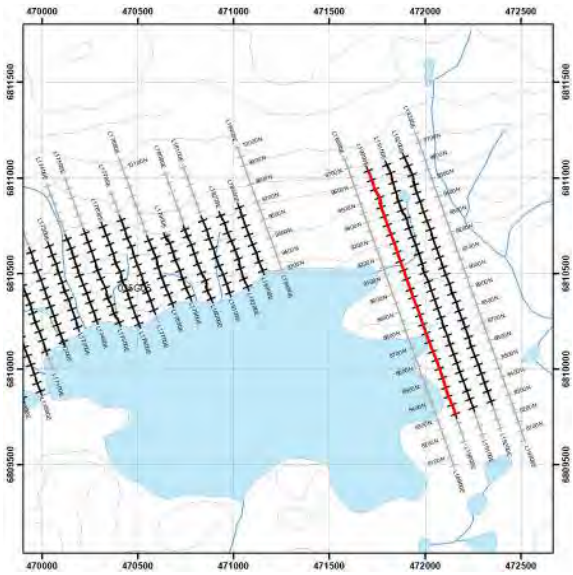
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



0 100 200 300 400 500

Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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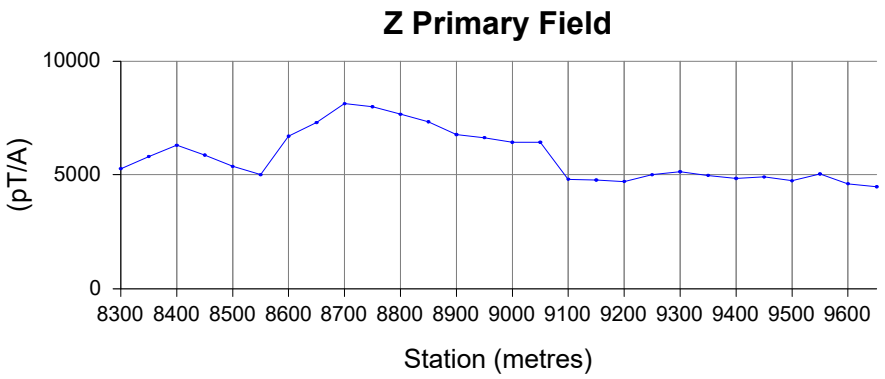
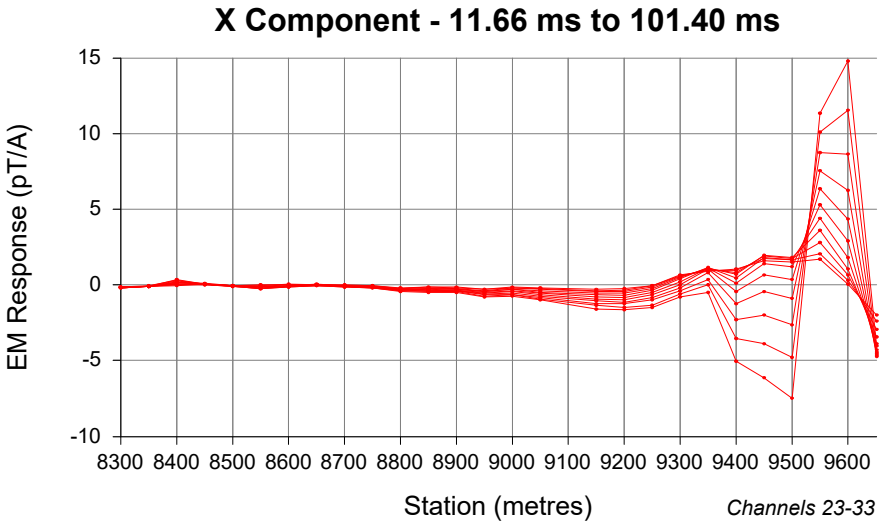
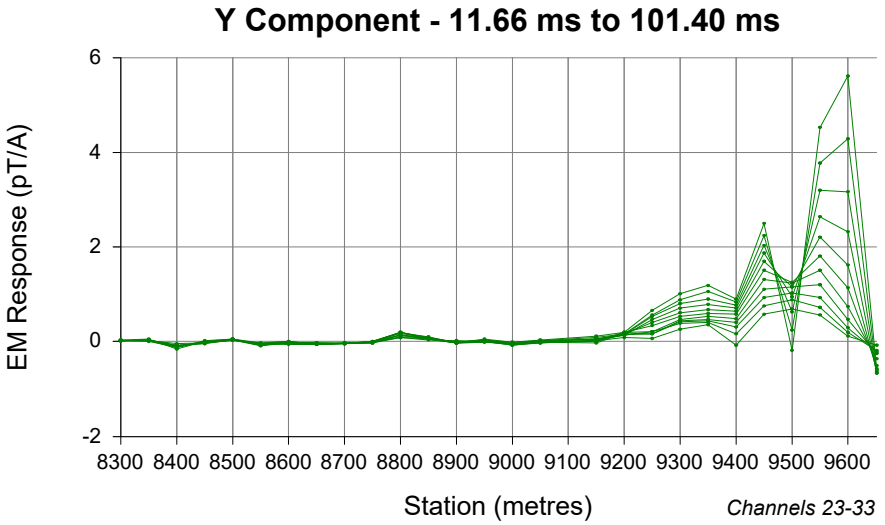
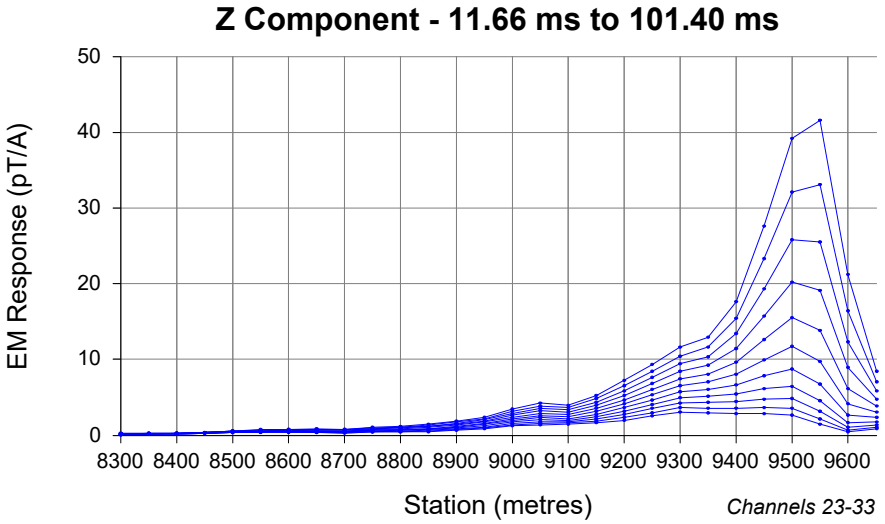








SURVEY PARAMETERS

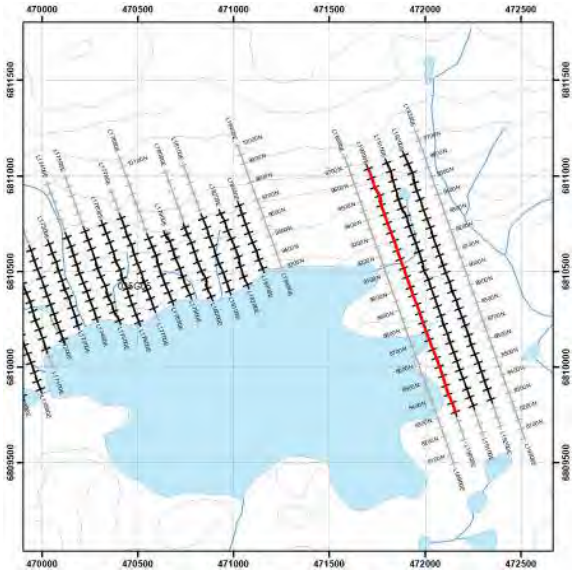
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



0 100 200 300 400 500

Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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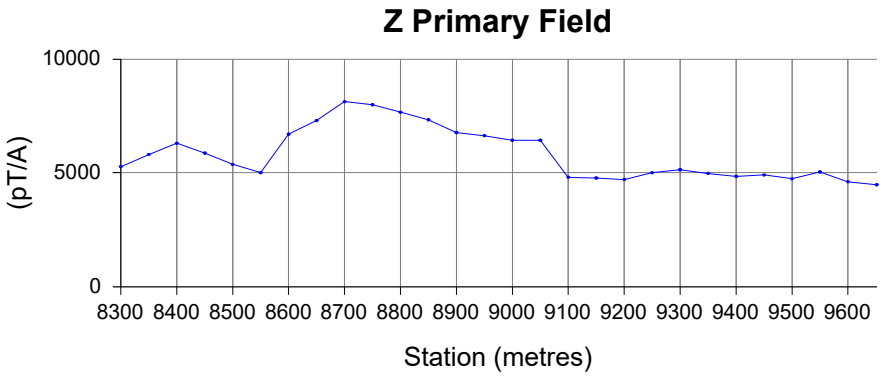
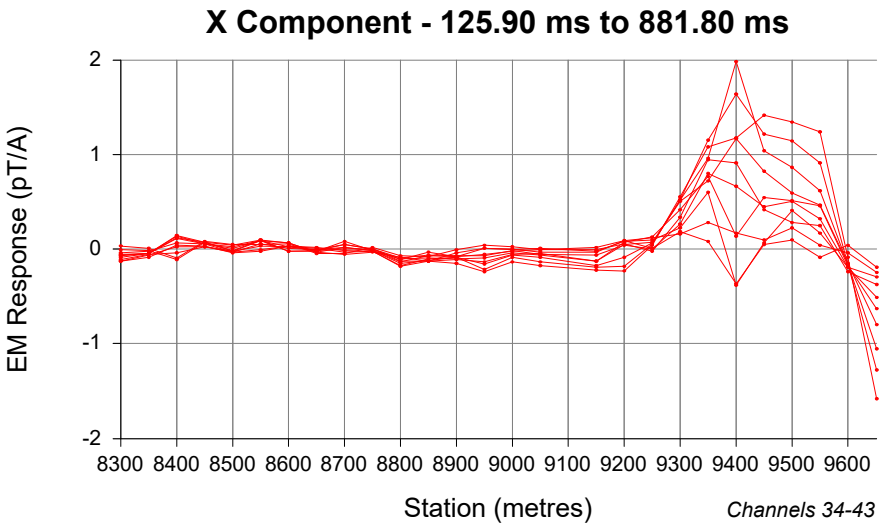
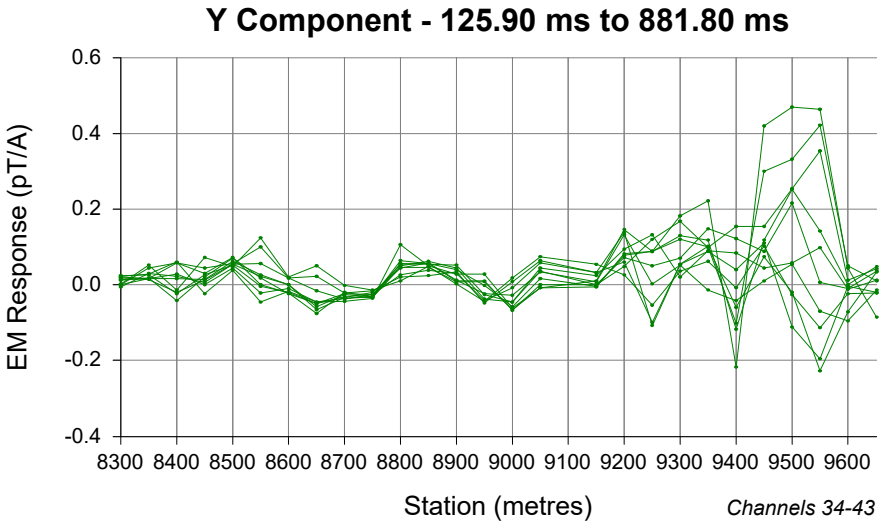
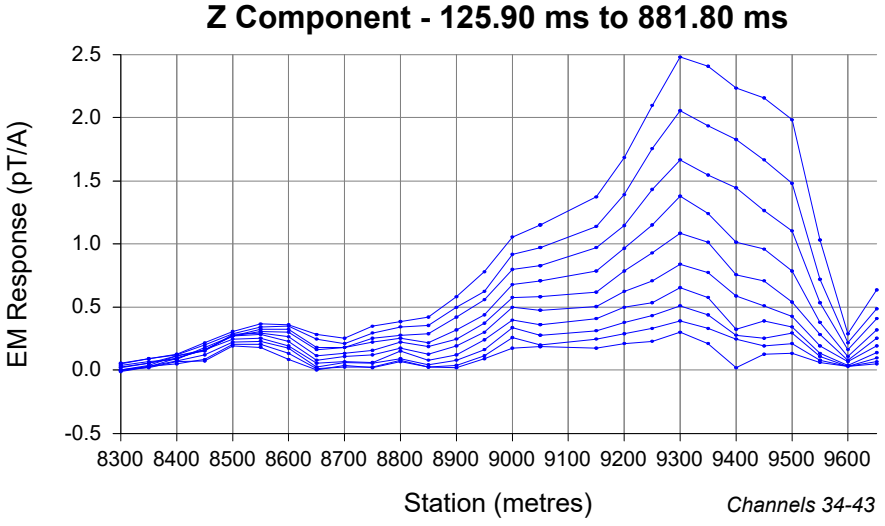








SURVEY PARAMETERS

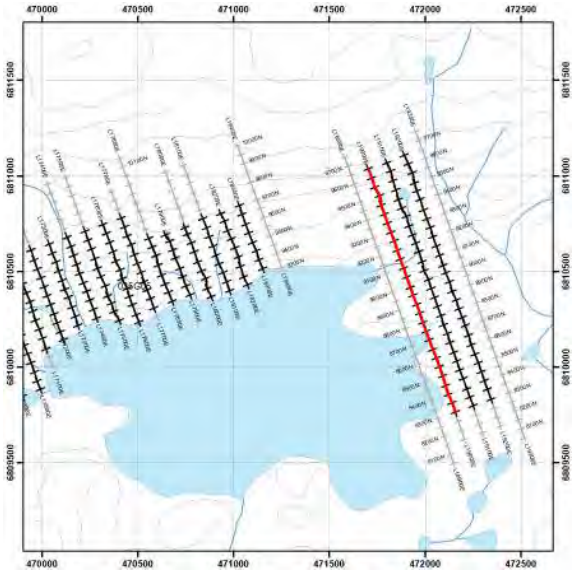
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD413, JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



0 100 200 300 400 500

Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19000E

Surveyed By: Joseph Cook
Survey Date: August 2021

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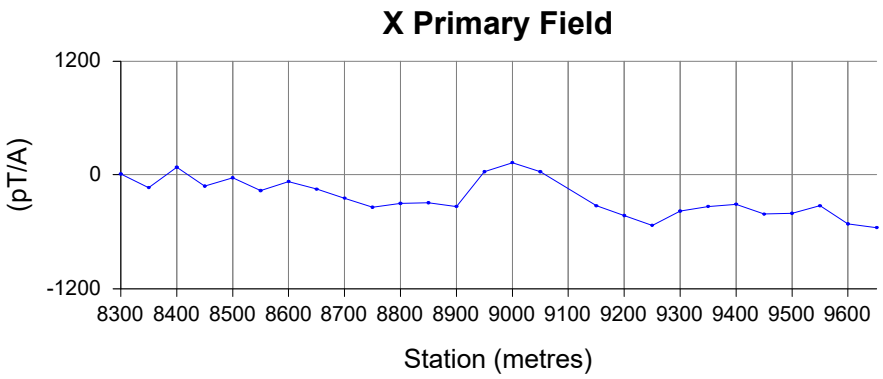
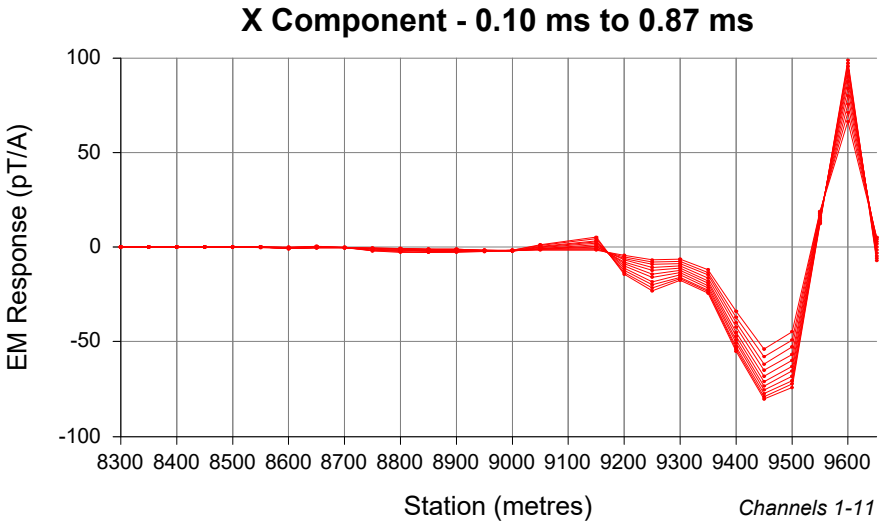
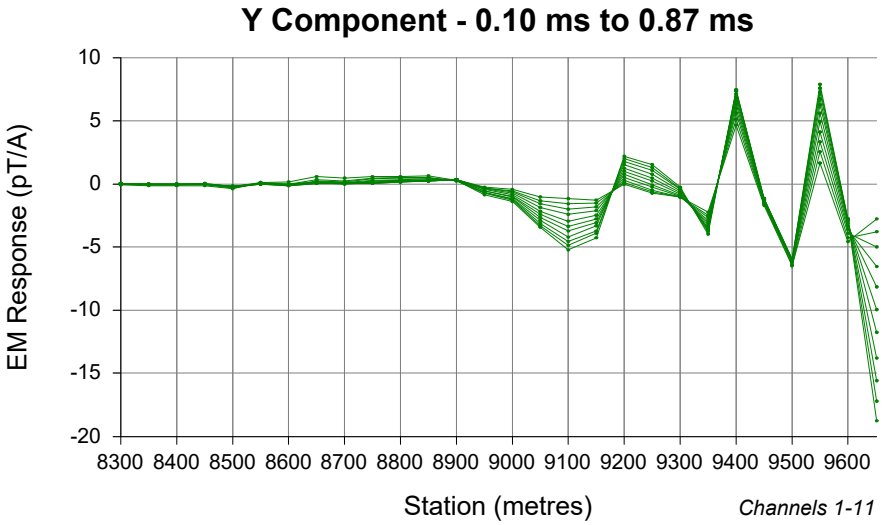
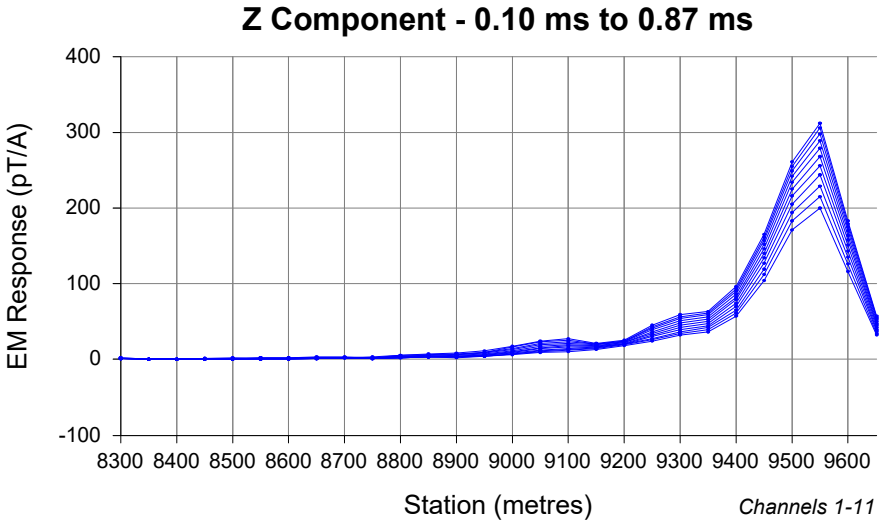








SURVEY PARAMETERS

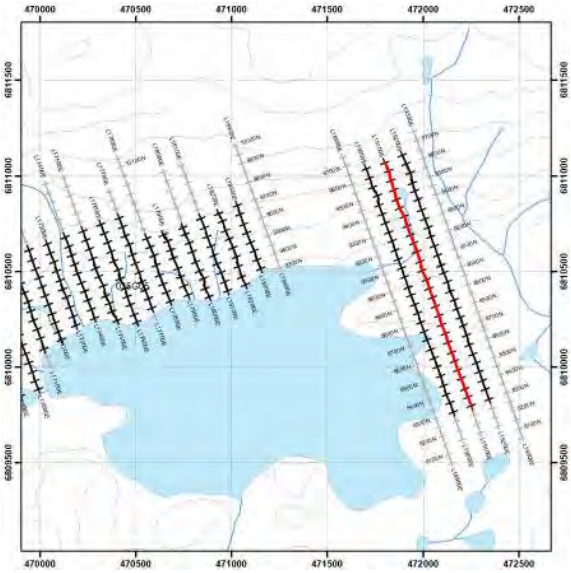
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Scale 1:13500

Orford Mining Corp.
West Raglan Project
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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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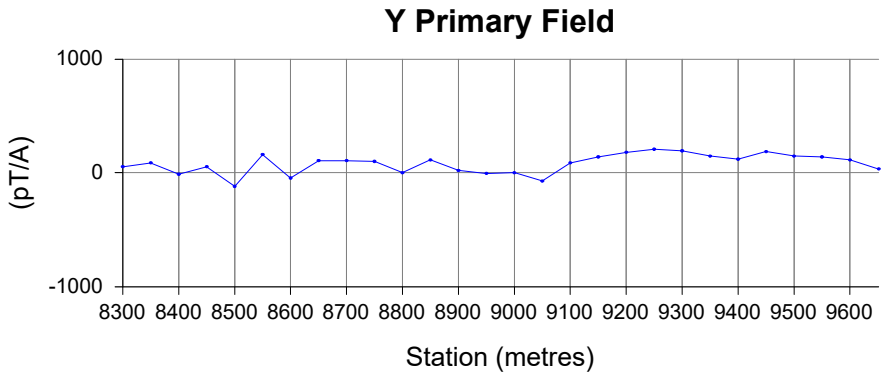
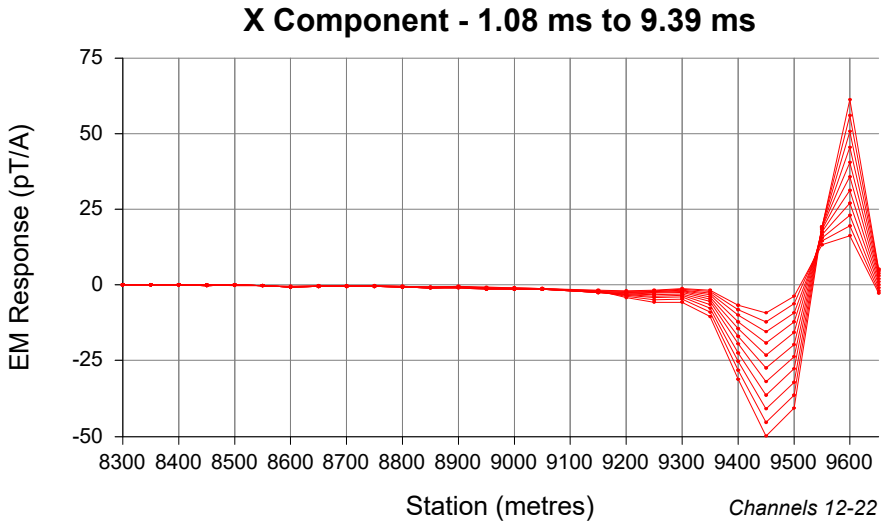
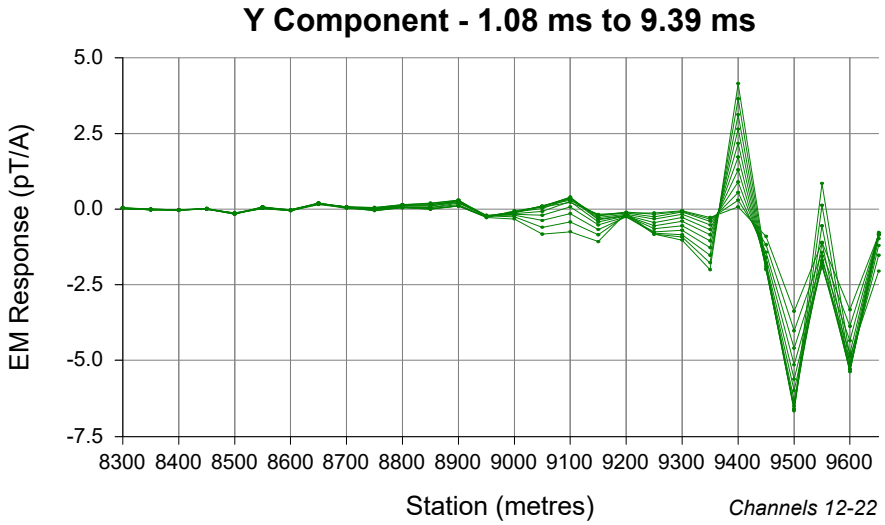
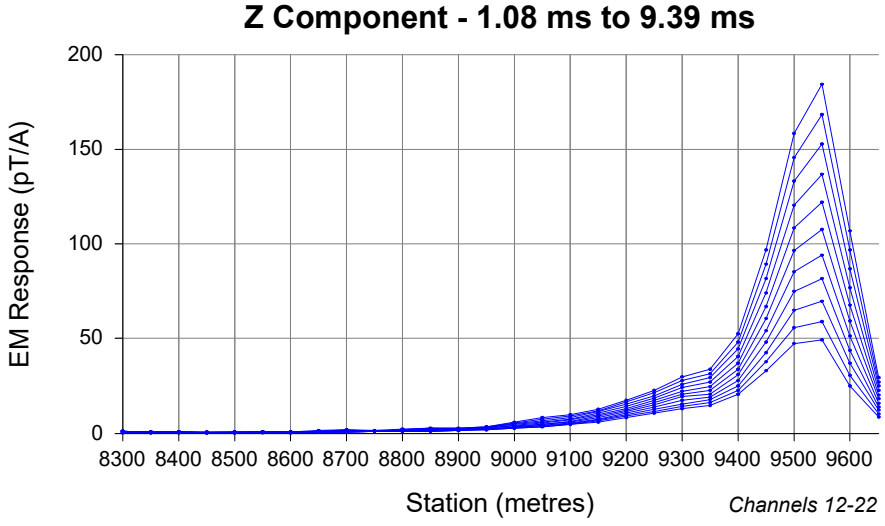








SURVEY PARAMETERS

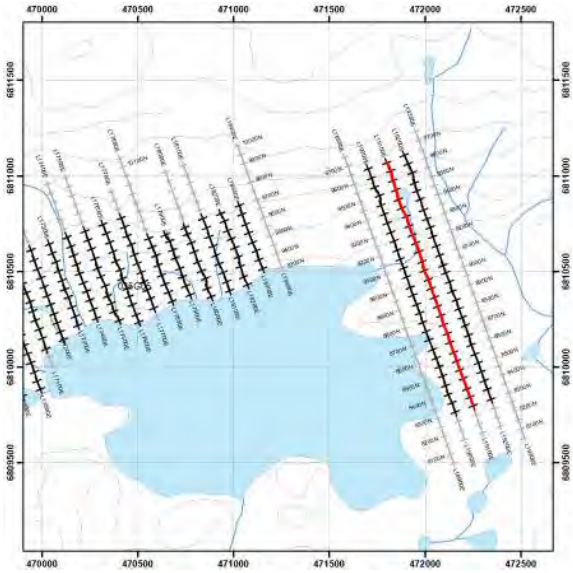
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



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Scale 1:13500

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Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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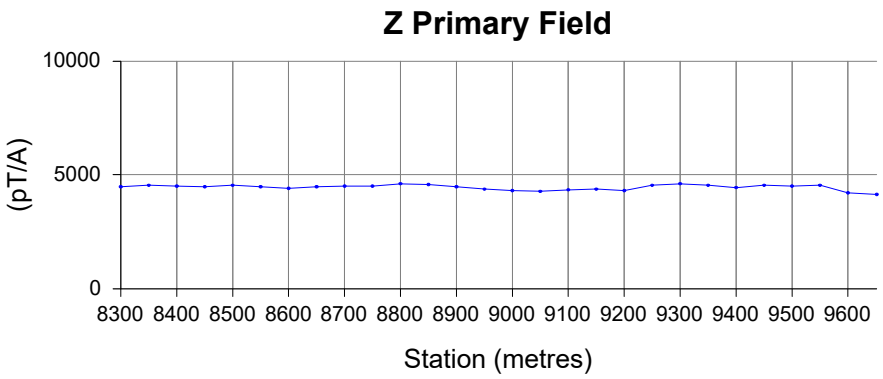
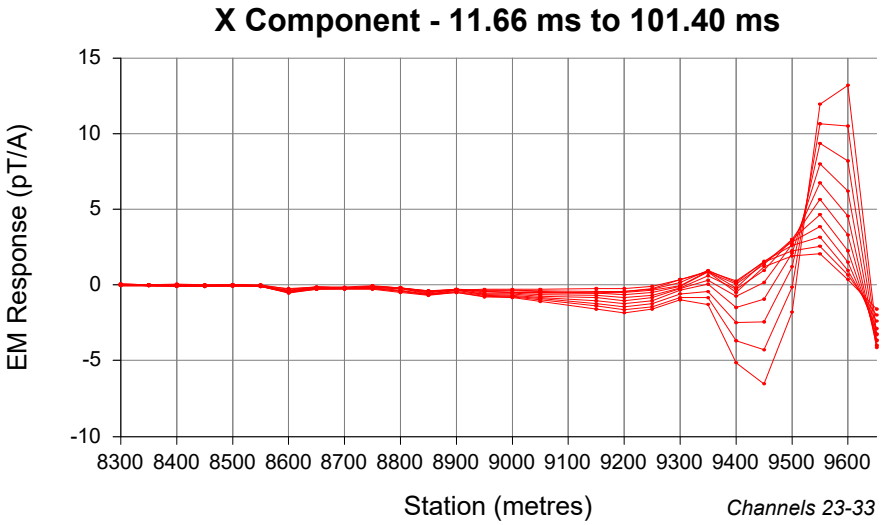
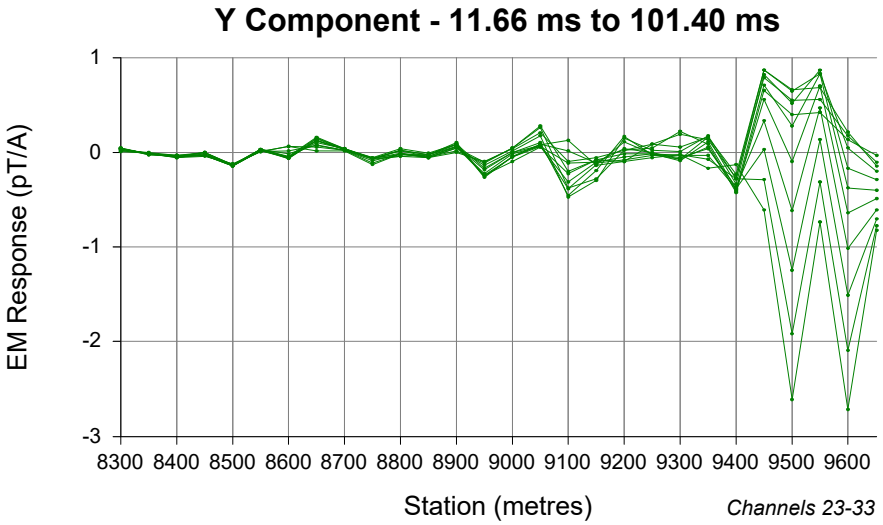
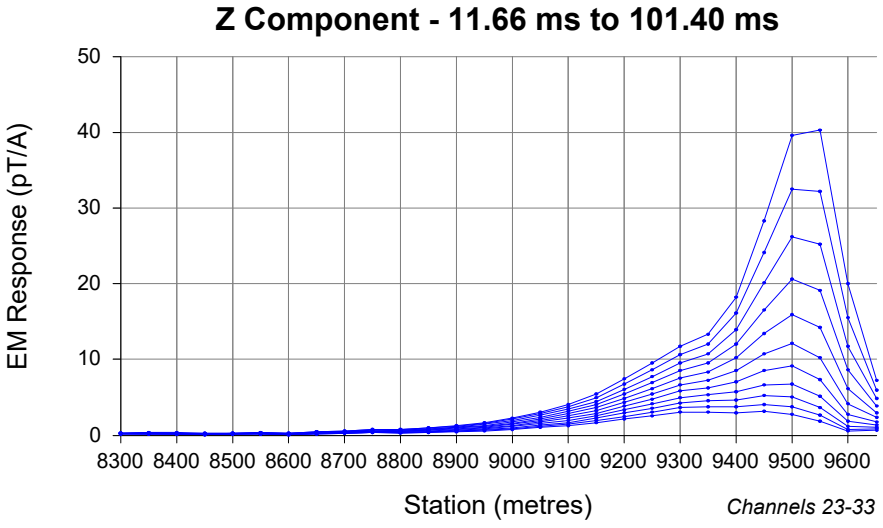








SURVEY PARAMETERS

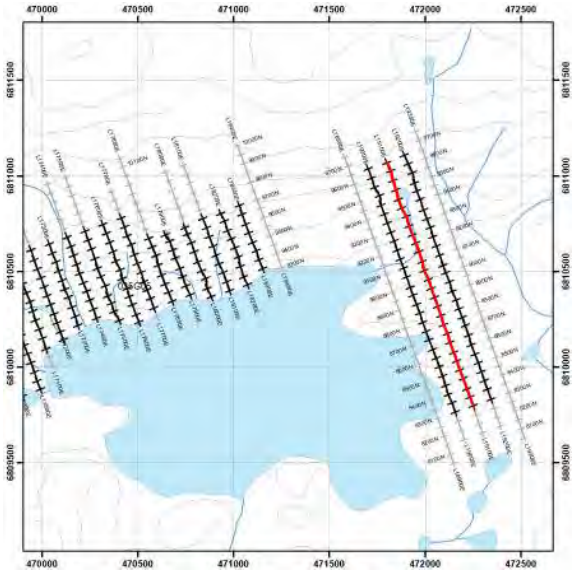
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

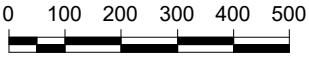
RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD433

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms





Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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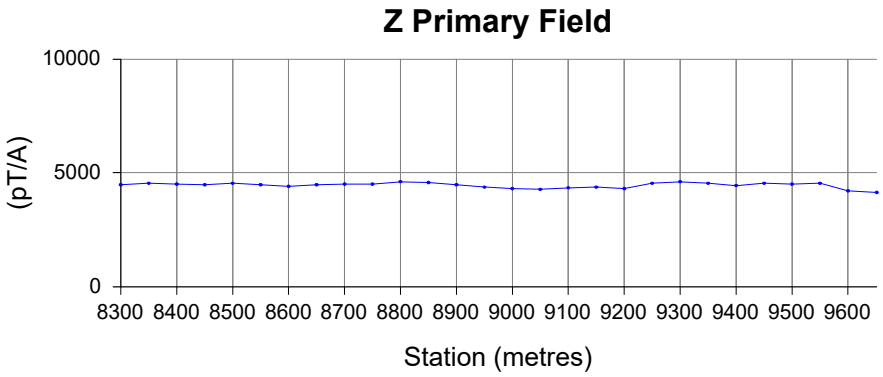

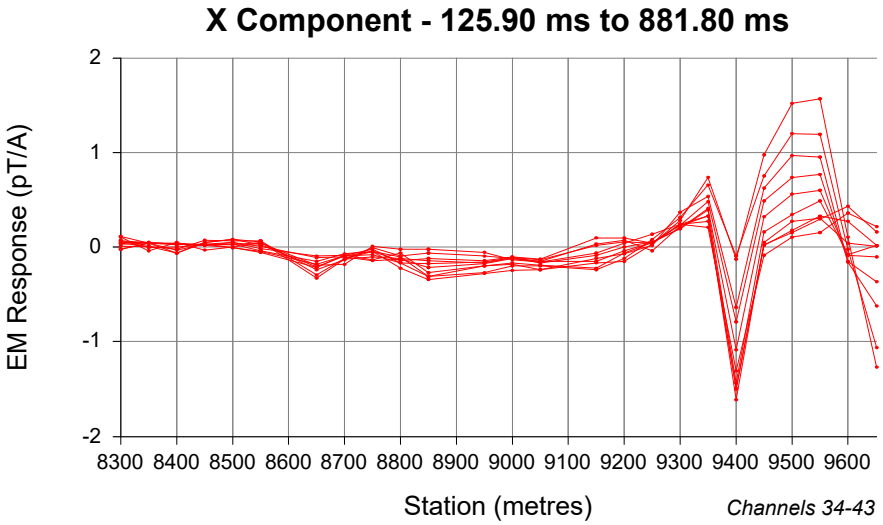

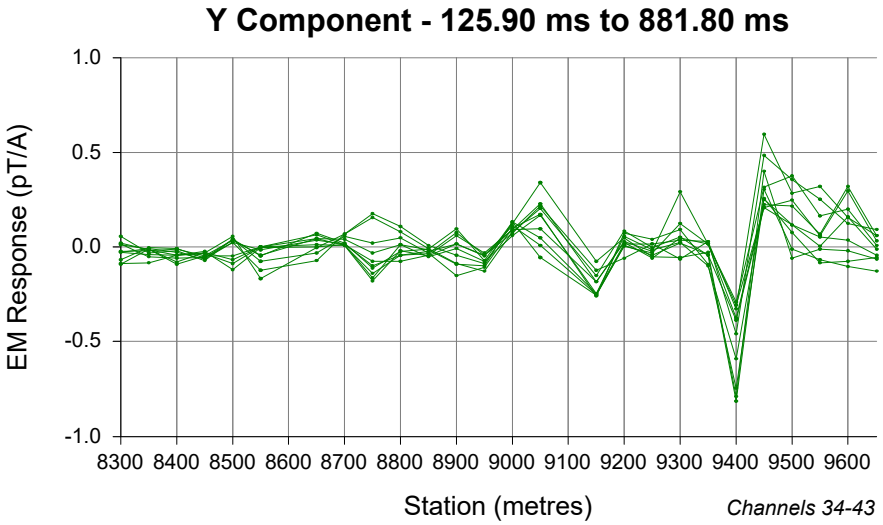

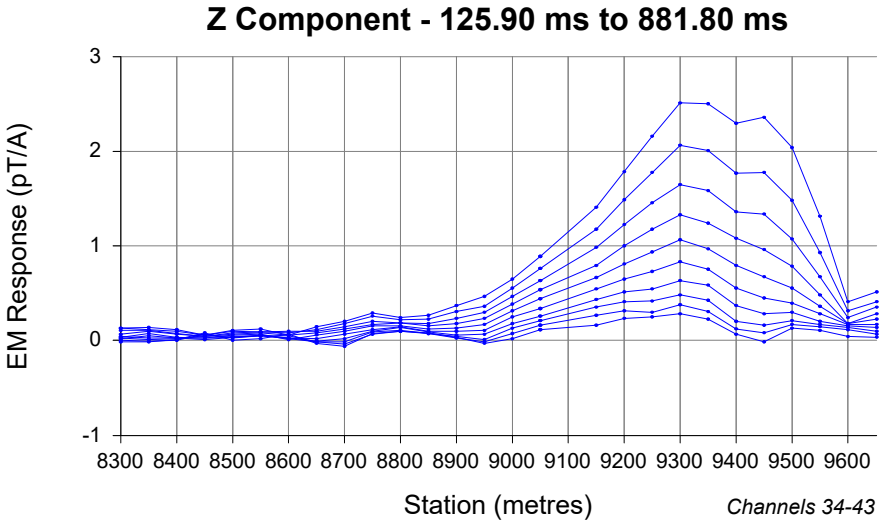

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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TRANSMITTER

Transmitter	: Phoenix TXU-30
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Tx Turns	: 1
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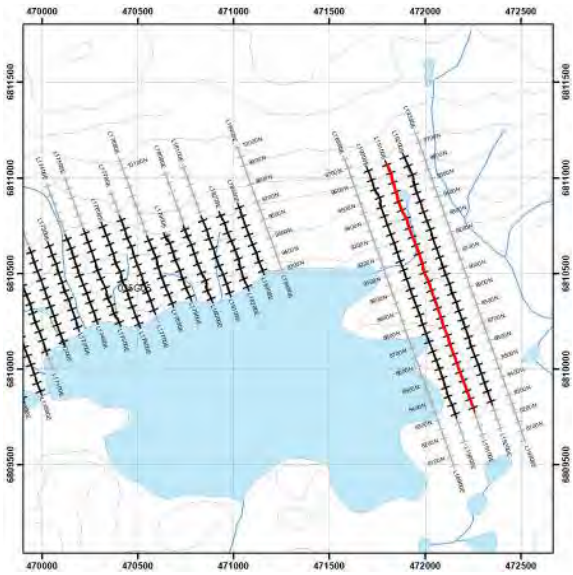

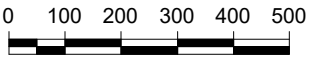

Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19100E

Surveyed By: Mohamed Haiba
Survey Date: August 2021

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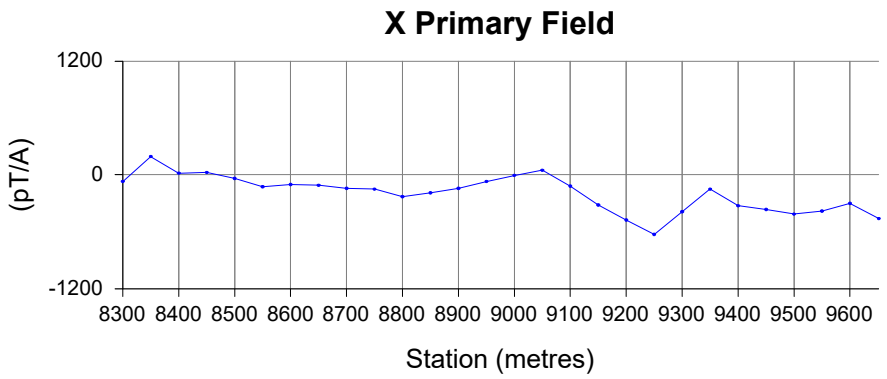
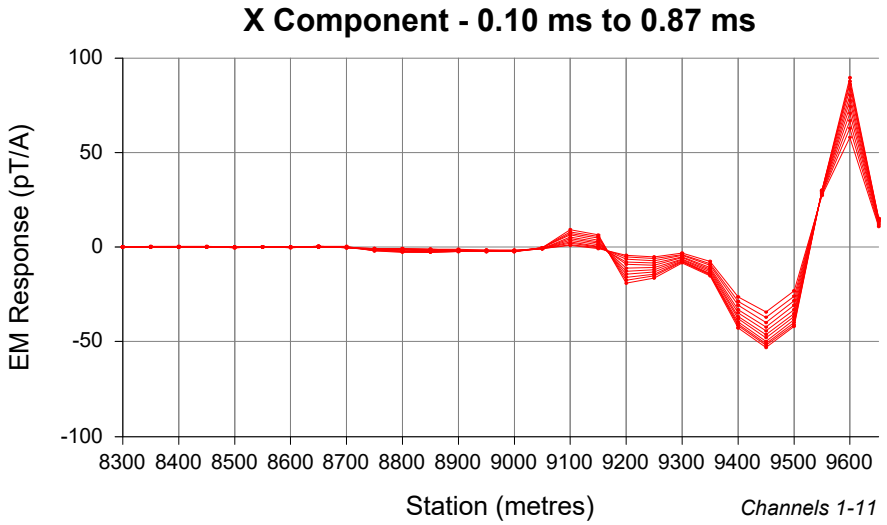
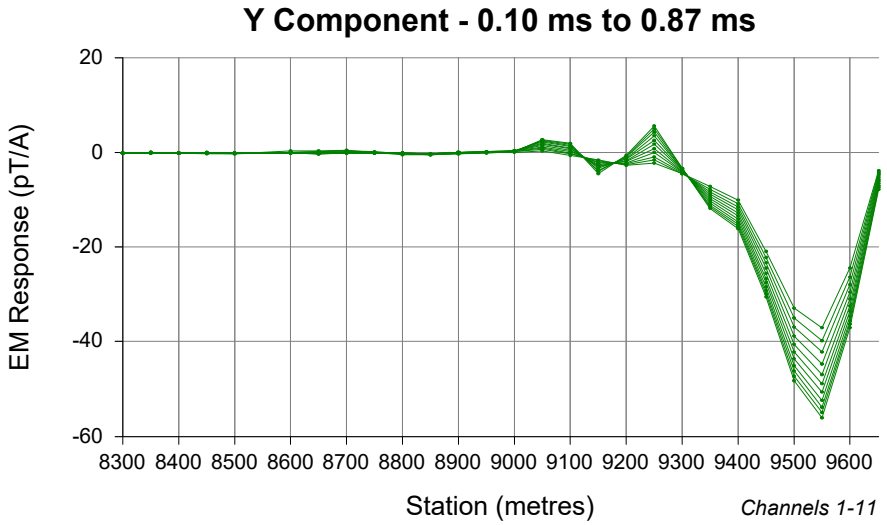
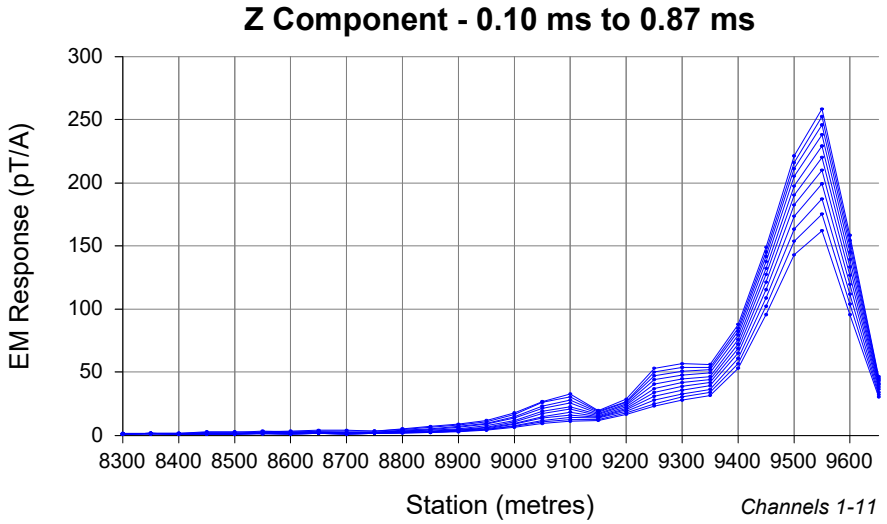








SURVEY PARAMETERS

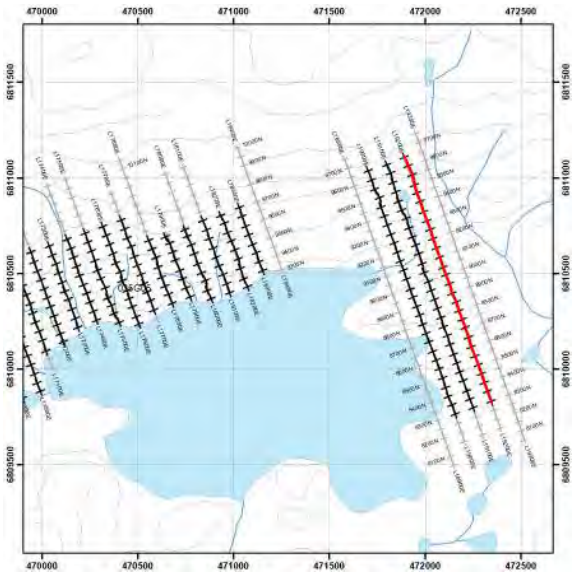
Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
Rx Sensor	: Supracon HT SQUID
Rx Serial Number	: JD4163

TRANSMITTER

Transmitter	: Phoenix TXU-30
Tx Loop Side	: 200 m x 400 m
Tx Turns	: 1
Tx Current	: 40.0 A
Turn Off	: 0.500 ms



0 100 200 300 400 500

Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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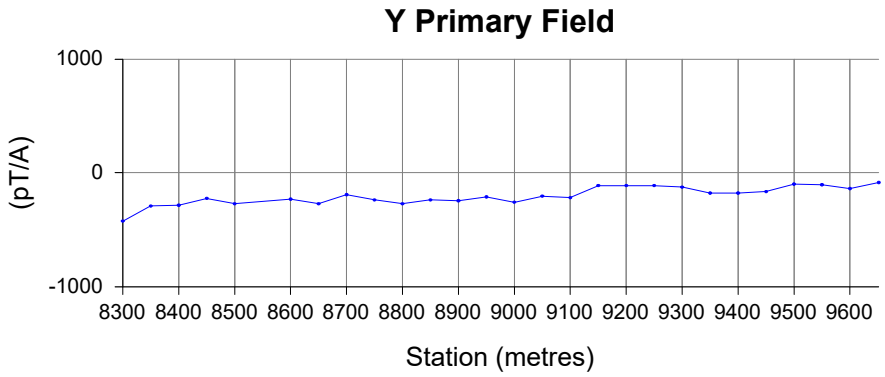

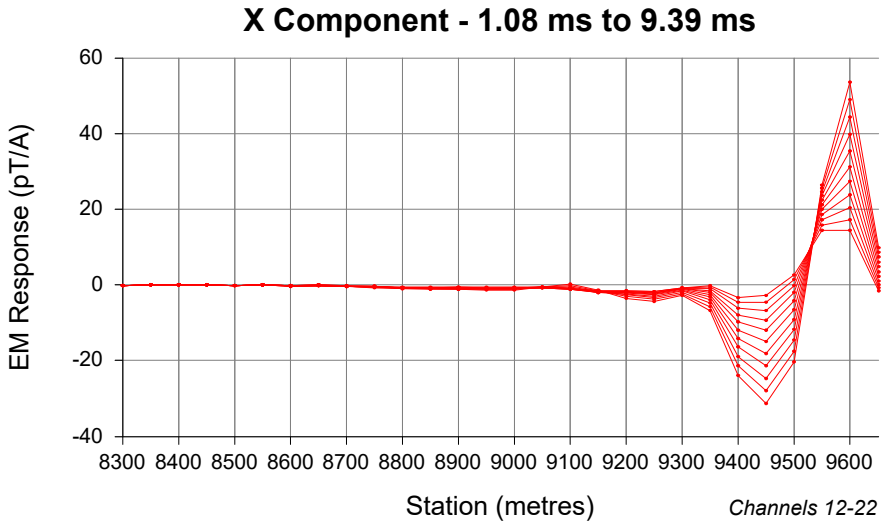

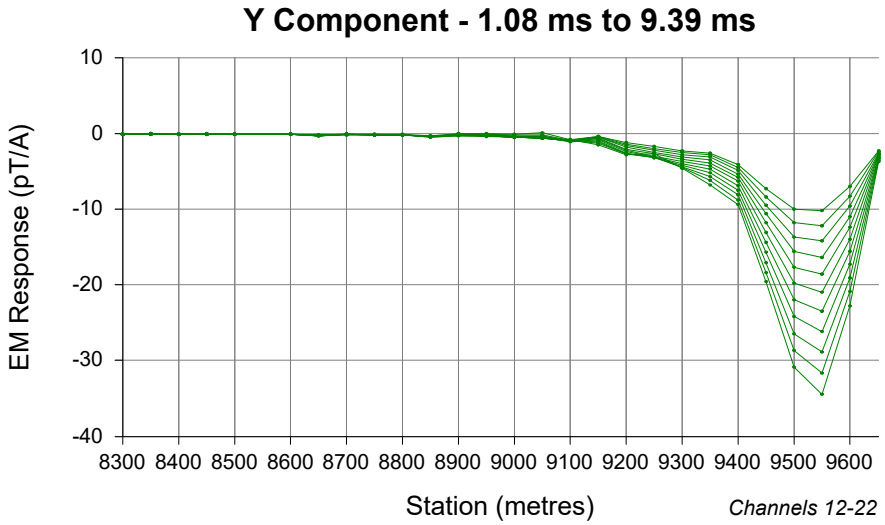

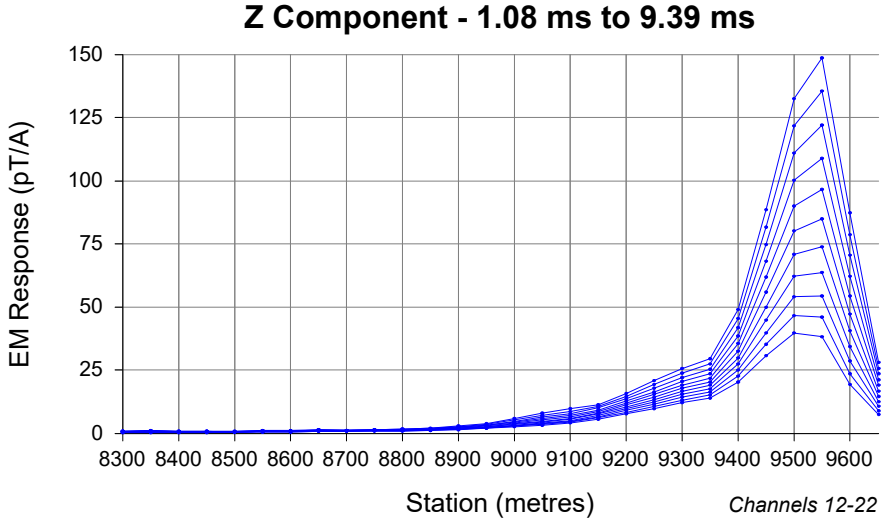

SURVEY PARAMETERS

Configuration	: Moving-Loop TEM
Station Spacing	: 0-50 m

RECEIVER

Receiver	: SMARTem24
Frequency	: 0.25 Hz
Component	: Z, X, Y
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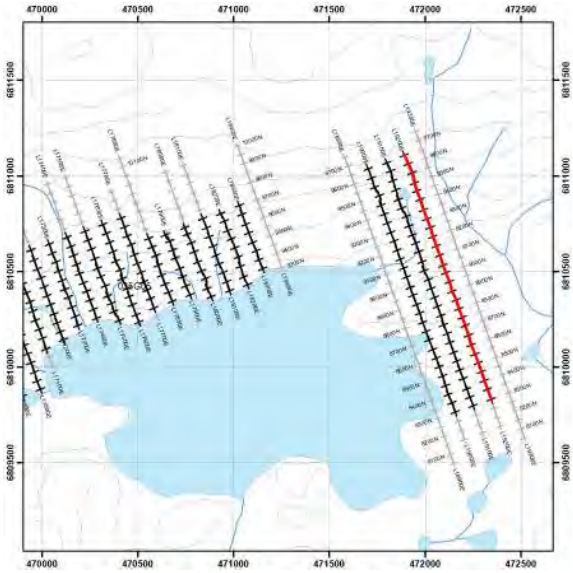

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Scale 1:13500

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Moving-Loop TEM Survey

Line 19200E

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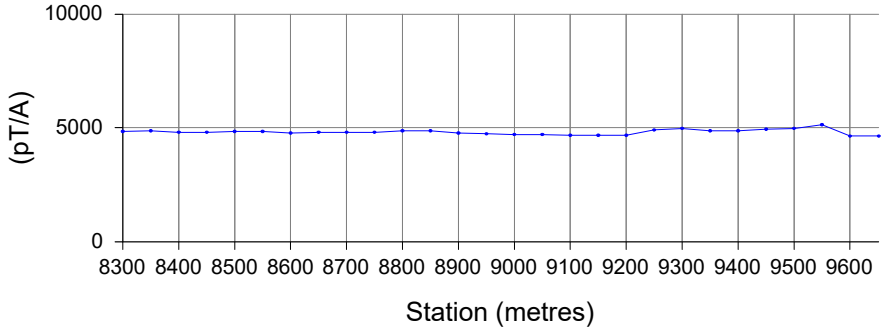
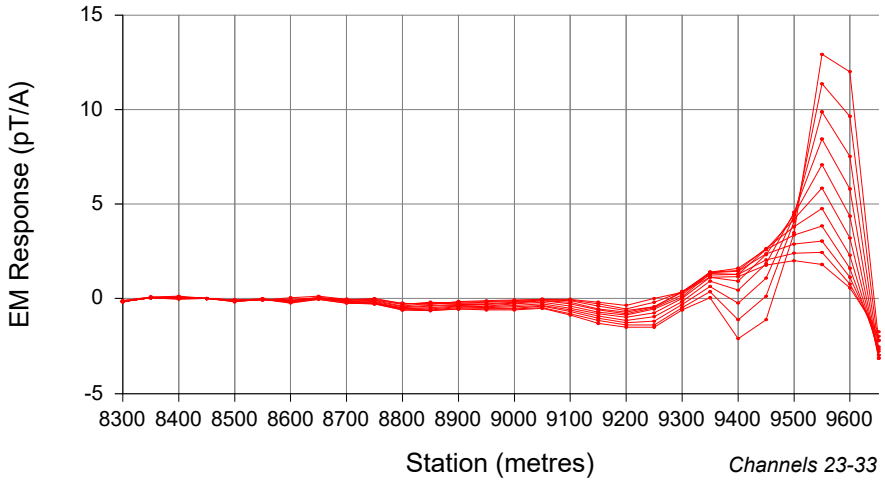
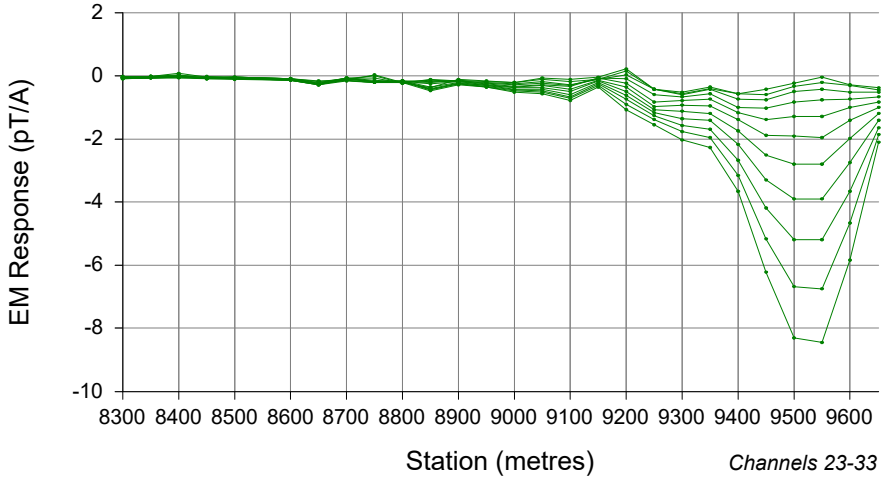
Z Primary Field



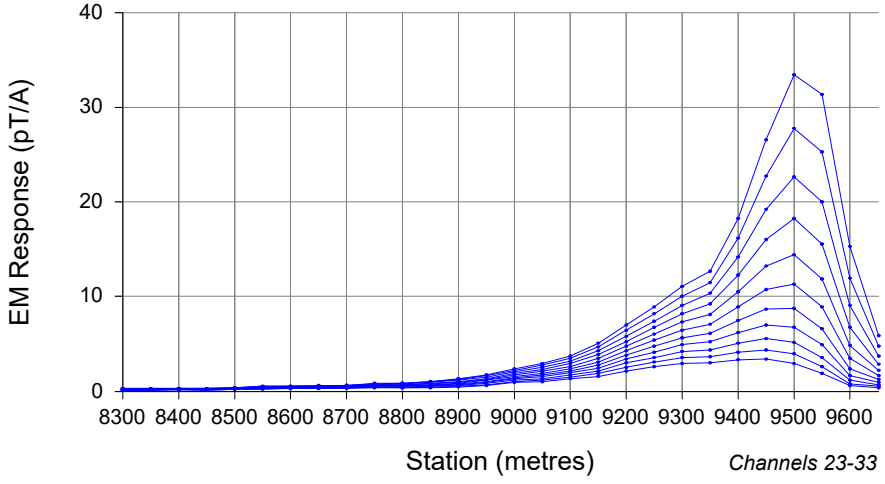
X Component - 11.66 ms to 101.40 ms



Y Component - 11.66 ms to 101.40 ms



Z Component - 11.66 ms to 101.40 ms



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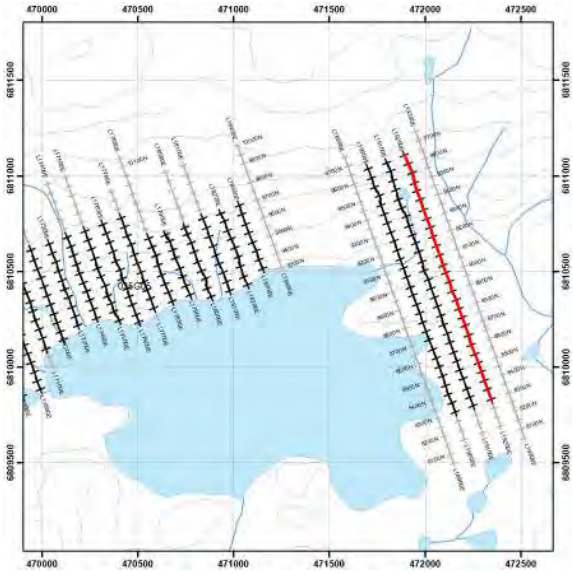

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Scale 1:13500

Orford Mining Corp.
West Raglan Project
Beverly East Grid
Supracon Jessy HT SQUID
Moving-Loop TEM Survey

Line 19200E

Surveyed By: Cole Smytaniuk
Survey Date: August 2021

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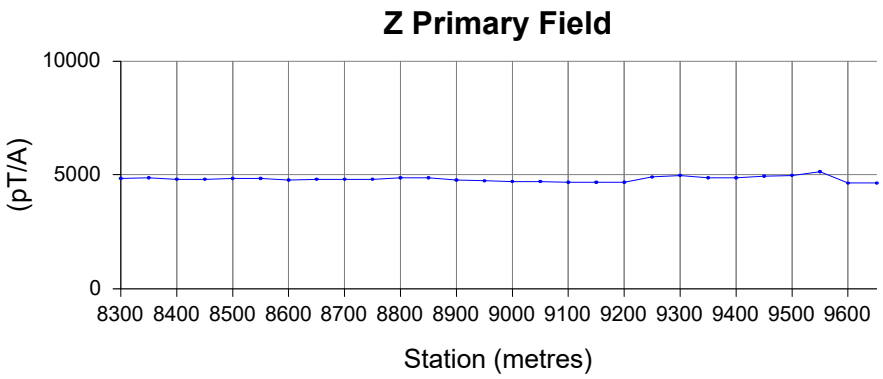

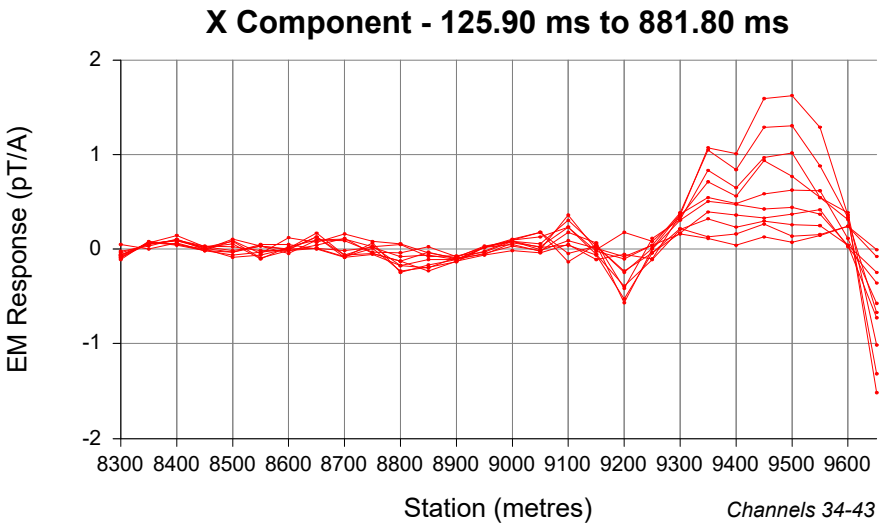

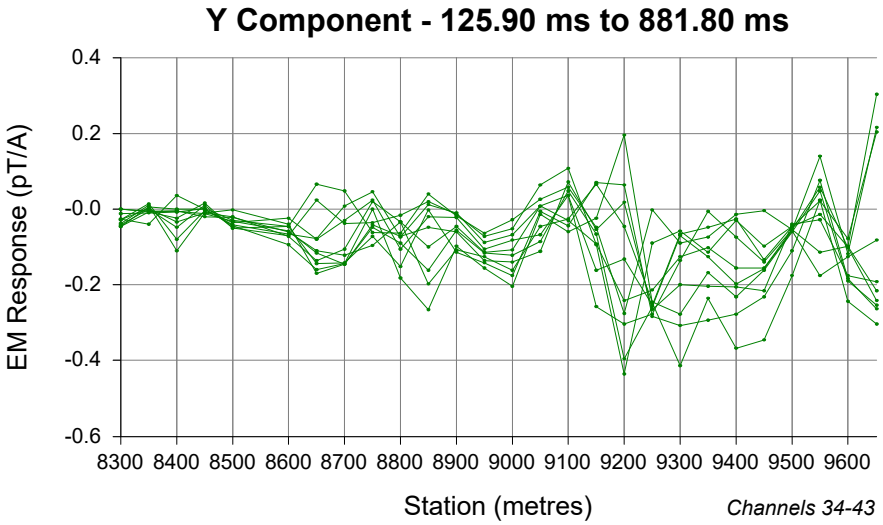

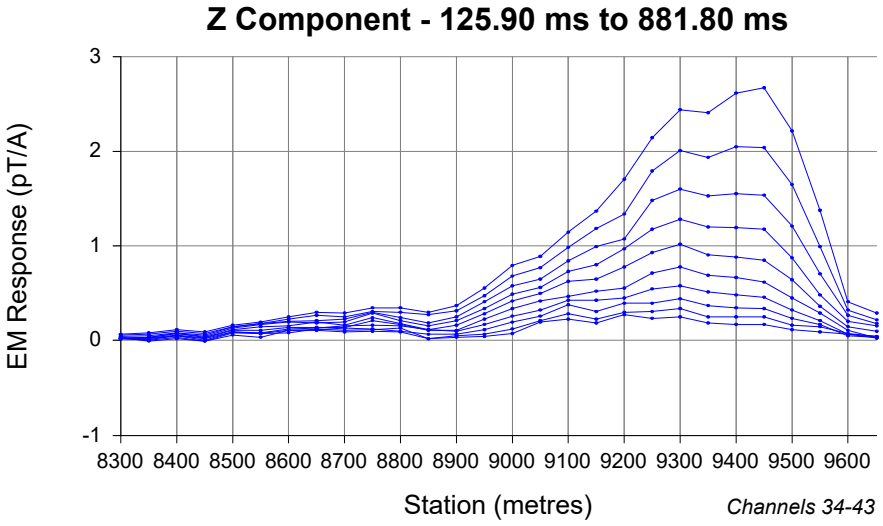

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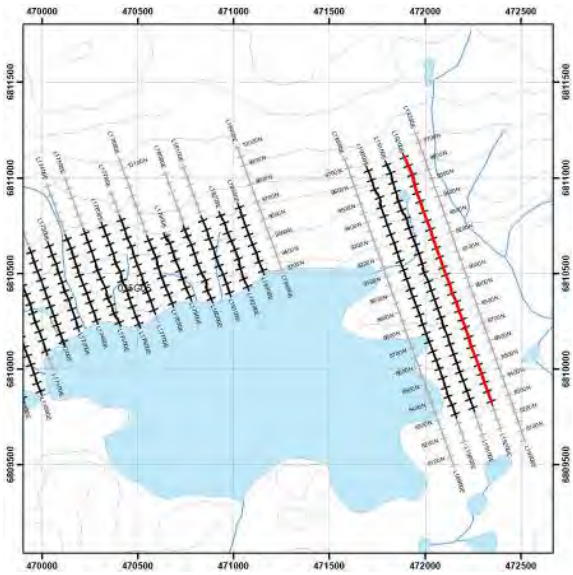

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