
Geophysical and Drilling Report:

YMEP 15-080

Ida Oro Creek Placer Project

on Placer Prospecting Leases: ID01248-50

Dawson Mining District

NTS: 116A/04

Datum: NAD 83 UTM Zone: 8N

Easting: 366400 Northing: 7111700

All Work Performed Between: October 1 - 25, 2015

Date of Report: January 31, 2016

AUTHOR OF REPORT: Isaac Fage

Table of Contents

1 INTRODUCTION4

2 LOCATION AND ACCESS4

3 PROPERTY DESCRIPTION.....6

4 GEOLOGICAL SETTING7

5 GEOPHYSICS: HIGH RESOLUTION DC RESISTIVITY SURVEY9

5.1 INTRODUCTION9

5.2 PERSONNEL.....9

5.3 SURVEY SUMMARY.....9

5.4 FIELD SURVEY OPERATING PROCEDURES:.....10

5.5 DATA PROCESSING10

5.6 SURVEY RESULTS11

5.6.1 *Results and Discussion: Placer Lease ID01249*12

5.6.2 *Results and Discussion: Placer Lease ID01248*14

5.6.3 *Results and Discussion: Placer Lease ID01250*25

5.6.4 *Results and Discussion: Placer Lease ID01251*27

6 ROTARY AIR BLAST DRILLING PROGRAM.....29

6.1 INTRODUCTION29

6.2 PERSONNEL.....29

6.3 RAB DRILL OVERVIEW29

6.4 RAB DRILL RESULTS.....31

7 CONCLUSION AND RECOMMENDATIONS36

8 STATEMENT OF COSTS.....37

8.1 EXPENSES:37

9 REFERENCES.....39

10 QUALIFICATION39

11 APPENDIX A: RES EQUIPMENT SPECIFICATIONS.....40

12 APPENDIX C: RES/IP SURVEY THEORY42

1 Introduction

The 2015 Ida Oro Creek YMEP exploration program was conducted by GroundTruth Exploration Inc. between Oct 1st and 25th, 2015. The program was run in two successive phases. Phase 1 consisted of a high resolution UAV drone survey for imagery and topographic model and a systematic DC Resistivity survey which totaled 24 profiles. Phase 2 consisted of a follow up Rotary Air Blast (RAB) drill program of 19 holes on targets defined in phase 1.

The objective of the UAV drone survey was to generate a detailed 3D blueprint of the project area. This 'blueprint' was used to plan best locations for the DC Resistivity profiles and RAB drill holes which was successful in optimizing data quality and reducing overall cost.

The DC Resistivity survey was run with an 84 electrode system on cross creek profiles. Resistivity data was inverted daily and depth to bedrock interpretations were generated throughout the survey.

The RAB drill program was planned on the Drone and DC Resistivity data. Drill holes were placed on fences over interpreted bedrock troughs. The RAB drill is a down the hole hammer drill that drives a cased 4.5" hole to bedrock. It is mounted on tracks to drive between drillholes.

The Ida Oro placer project is on a remote drainage located 85km East Northeast of Dawson City. The project was accessed by helicopter and all gear utilized is lightweight, being transported to site by Astar helicopter and transported on the ground during the program.

2 Location and Access

The Ida Oro placer project is located on active placer leases ID01248, ID01249, ID01250, and ID01251. The project is on Aussie Creek and an unnamed tributary that flows from the hard rock IdaOro prospect (IdaOro Creek) (figure 1). The project can be reached via helicopter from Dawson City (85km SW of the project) The nearest staging point is at the Brewery Creek mine site (20km West of the project). See figure 1

The project is within the Dawson Mining District on NTS mapsheet 116A/04.

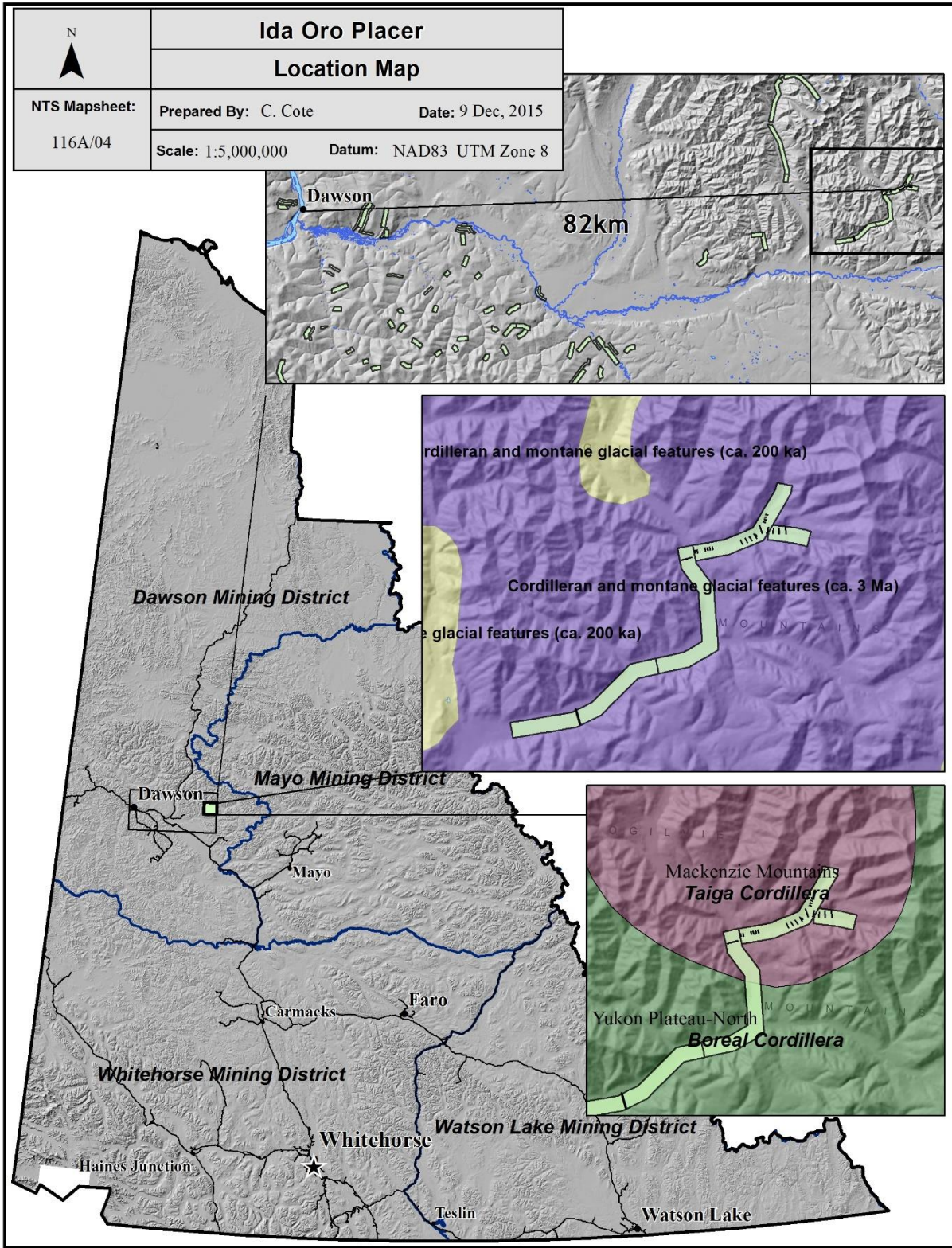


Figure 1: Location, Glacial Extent, and Eco Zones

3 Property Description

The Ida Oro placer project is located on Aussie creek and Ida Oro Creek. Aussie Creek drains into the Klondike River. The headwaters of Ida Oro creek drain the Ida Oro Tombstone Suite intrusive body which is a known to possess significant hard rock gold mineralization.

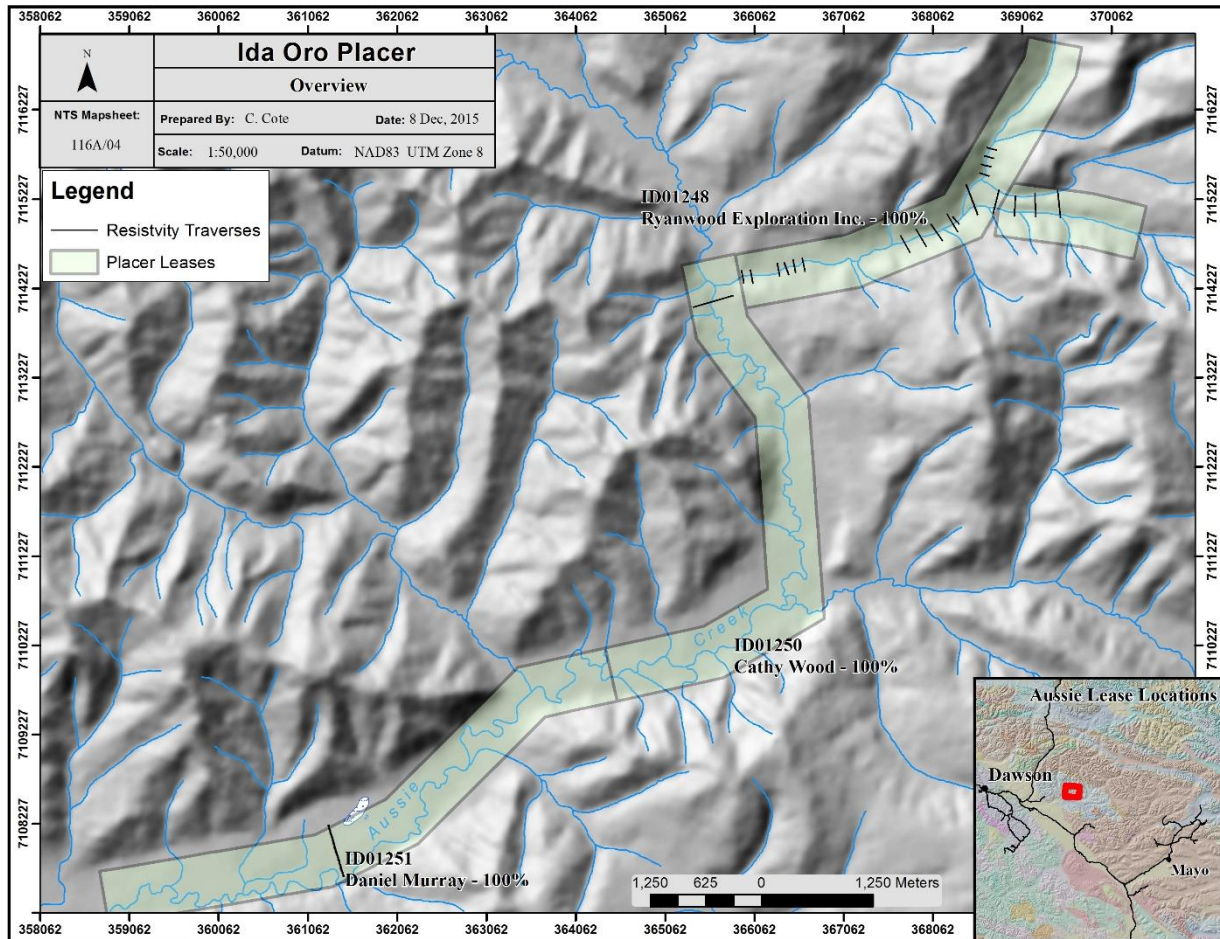


Figure 2: Overview of Placer Leases

4 GEOLOGICAL SETTING

The entire area is underlain by the Ordovician to lower Devonian ODR unit, primarily composed locally of shale with Tombstone suite granitic intrusion upstream of placer claims.

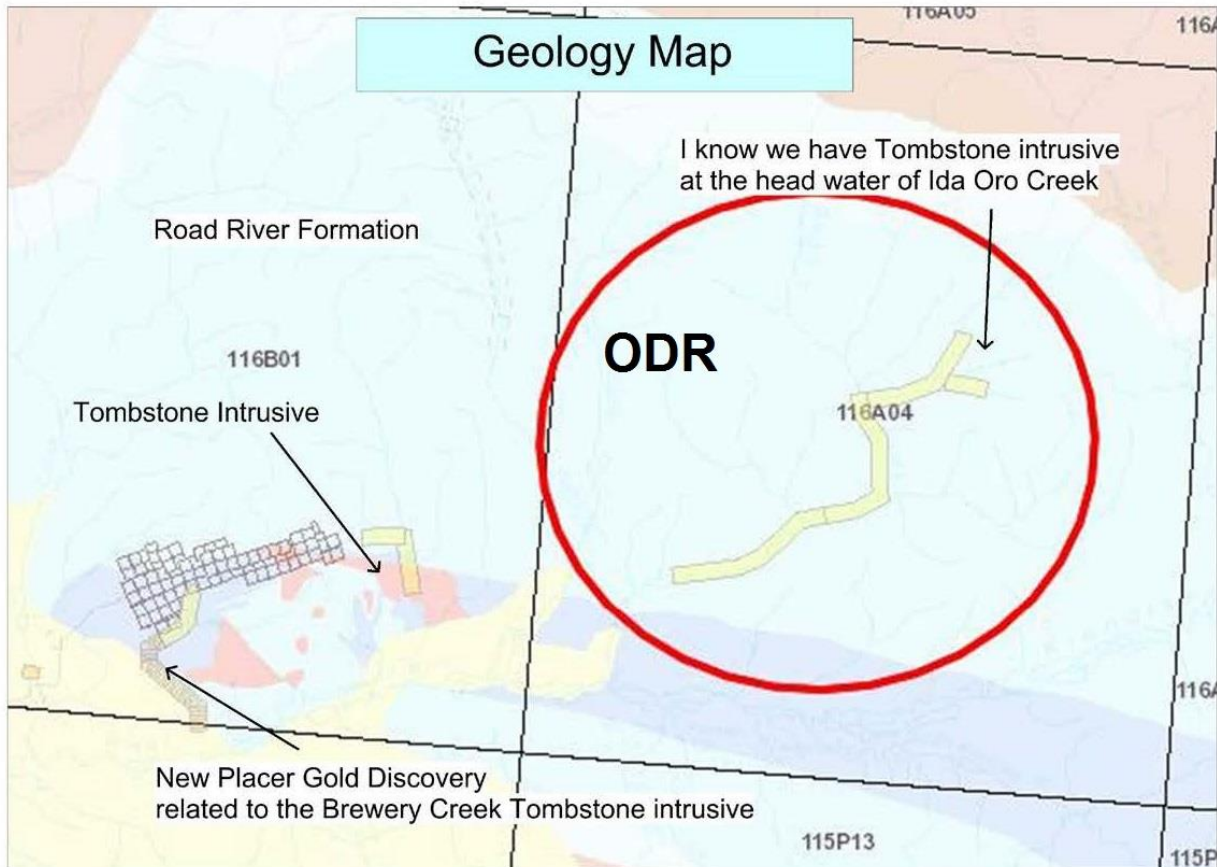


Figure 3: Geology Map (From YMEP application, S. Ryan)

ORDOVICIAN TO LOWER DEVONIAN

- ODR** **ODR: ROAD RIVER - SELWYN**
 black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (**Road River Gp.**)
- 1 black, gun-blue, or silvery white weathering black graptolitic shale and black chert;
 - . resistant grey weathering, thin to medium bedded, light grey to black, greenish

grey or turquoise chert; minor argillaceous limestone (**Road River Gp., Duo Lake and Elmer Creek**)

2 rusty dark green to orange buff weathering, pyritic, burrowed, thin to thick bedded, argillite and dolomitic siltstone with members or partings of black shale and chert; minor bright orange dolostone (**Road River Gp., Steel**)

3 blue-grey weathering, black limestone; tan, buff, or dark grey weathering platy, silty limestone (**Sapper**)

4 black shale; limestone, limestone conglomerate, and interstratified argillite and pale yellow limestone

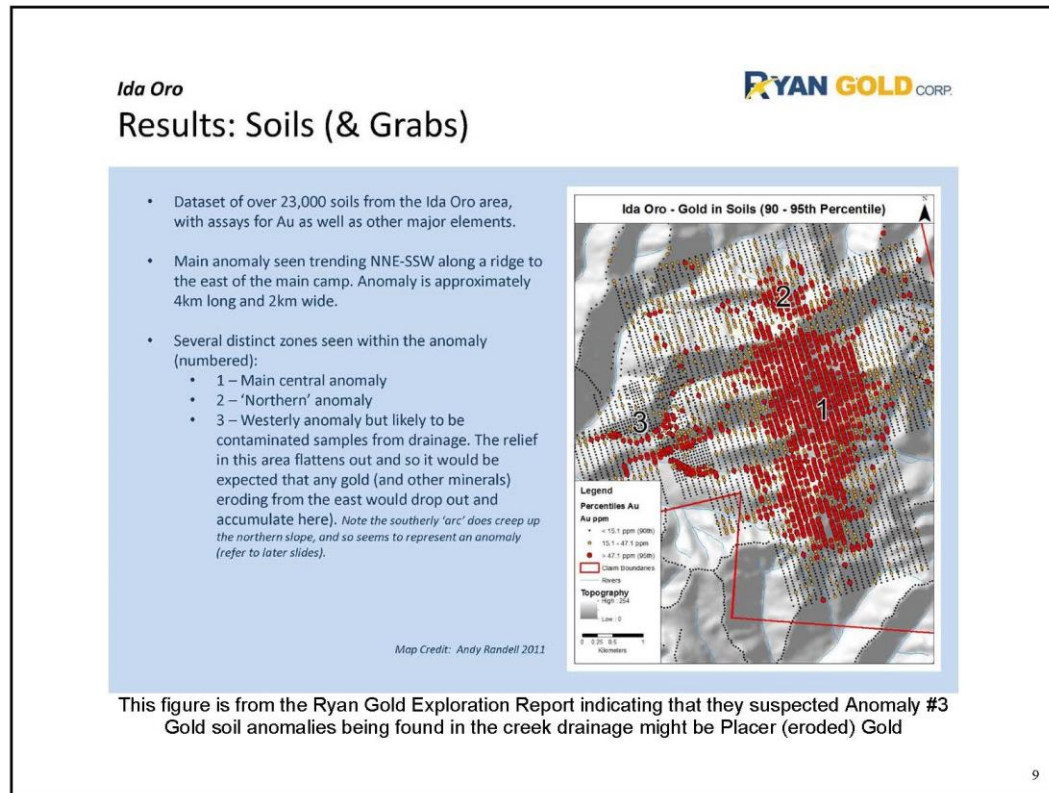


Figure 4: Upstream Gold in soil anomaly, showing size and intensity of the anomaly Western anomaly (3) found right in the creek drainage being inferred as a placer signature. (From YMEP application, S. Ryan)

5 Geophysics: High Resolution DC Resistivity Survey

5.1 Introduction

The purpose of the survey was to define the depth to bedrock and outline various overburden units such as muck, sand, gravel, large boulders and permafrost.

21 lines were cut and surveyed with a variety of line lengths and electrode spacings (figure 4). Four of these lines (IDARES15-05 to -08) were analyzed and re-surveyed at a smaller electrode spacing in order to get increased detail in an area of interest.

5.2 Personnel

The survey was conducted by the following GroundTruth Exploration personnel:

- | | |
|----------------------------|--|
| 1. Chad Cote | Lead Geophysical Operator and Crew Chief |
| 2. Daniel Brown-Hozjan | Geo Technician |
| 3. Melina Tessier-Fontaine | Geo Technician |
| 4. Hector Barrientos | Geo Technician |
| 5. Luke Severinson | Geo Technician |

5.3 Survey Summary

17 lines and 4 detail surveys were run on placer lease ID01248. 3 lines and 1 detail surveys were run on placer lease ID01249. 1 lines was run on placer lease ID01250. (Table 1)

The line-brushing and High Resolution DC (“HRDC”) Resistivity (“Res”) survey was conducted between Oct 6-19th, 2015 on Placer Leases ID01248, ID01249 and ID01250.

Each line was surveyed using the Schlumberger Inverse array. This array is a sounding array optimized to delineate horizontal structures and has the best overall signal-to-noise ratio and the most lateral coverage. It is an ideal array for finding depths to stratigraphic layers such as muck, sand, gravel and bedrock.

The resistivity traverse was surveyed using Advanced Geosciences SuperSting Resistivity Meter. A high resolution system consisting of 84 electrodes, with a range of electrode spacings from 1.5m to 5m. Resolution is defined as half of the electrode spacing at surface, with a decrease in resolution with depth.

The traverse location was surveyed with a ProMark3 differential GPS units and post processed using GNSS Solutions to obtain accurate horizontal and vertical position.

Table 1: Table of resistivity survey details

LineID	EL Spacing (m)	Line Length	# electrodes	Resolution (m)	Placer Lease
IDPRES15-03	3	333	112	1.5	ID01249
IDPRES15-04	3	291	98	1.5	ID01249
IDPRES15-05	3	249	84	1.5	ID01249
IDPRES15-05b	1	83	84	0.5	ID01249
IDPRES15-06	3	291	98	1.5	ID01248
IDPRES15-06b	1	83	84	0.5	ID01248
IDPRES15-07	5	415	84	2.5	ID01248
IDPRES15-07b	1	83	84	0.5	ID01248
IDPRES15-08	3	249	84	1.5	ID01248
IDPRES15-08b	1.5	124.5	84	0.75	ID01248
IDPRES15-09	3	249	84	1.5	ID01248
IDPRES15-10	3	249	84	1.5	ID01248
IDPRES15-11	3	249	84	1.5	ID01248
IDPRES15-12	1.5	124.5	84	0.75	ID01248
IDPRES15-13	1.5	124.5	84	0.75	ID01248
IDPRES15-14	1.5	124.5	84	0.75	ID01248
IDPRES15-15	1.5	124.5	84	0.75	ID01248
IDPRES15-16	1.5	124.5	84	0.75	ID01248
IDPRES15-17	4	500	126	2	ID01250
IDPRES15-18	2	166	84	1	ID01248
IDPRES15-19	2	166	84	1	ID01248
IDPRES15-20	2	166	84	1	ID01248
IDPRES15-21	2	166	84	1	ID01248
IDPRES15-22	2	166	84	1	ID01248
IDPRES15-23	2	166	84	1	ID01248

5.4 Field Survey Operating Procedures:

- A crew of 5 is utilized to run survey.
- The midpoint of a traverse is located and the line is sighted-in using a DGPS.
- Minimal brush is cut along line to sight pickets and lay cables
- Crew places electrode at predefined spacing with measuring rope
- Electrodes are hammered to a depth of 10-50cm (10% of electrode spacing)
- Cables are laid and attached to the electrodes
- Contact resistance test is conducted
- Calcium Chloride (25% solution) added to all electrodes >2k ohms. CRT reread.
- Extra electrodes added to high CR electrodes. CRT reread.
- With satisfactory Contact Resistance, Survey is Read.
- Operator surveys the traverse using DGPS and marks the traverse with pickets every 10 electrodes.

5.5 Data Processing

The collected data is downloaded in the field after every array and checked for integrity. This allows any field errors to be identified before moving the equipment. The RES data is processed

daily by the lead operator using EarthImager2D software provided by Advanced Geosciences Inc. Resistivity data-misfits are removed and the cleaned data-set is inverted. Terrain corrections collected using a differential GPS are applied to the inversions. The DGPS data is processed using GNSS Solutions software. A .csv is created containing the DGPS traverse points collected. All instrument raw data from the DGPS and SuperSting are archived.

A .csv file is created containing the traverse points collected.

5.6 Survey Results

Inversions of the results are provided with interpreted depth to bedrock. Confidence of the interpretation is high on lines with drill holes, and diminishes equal to the distance from drill holes.

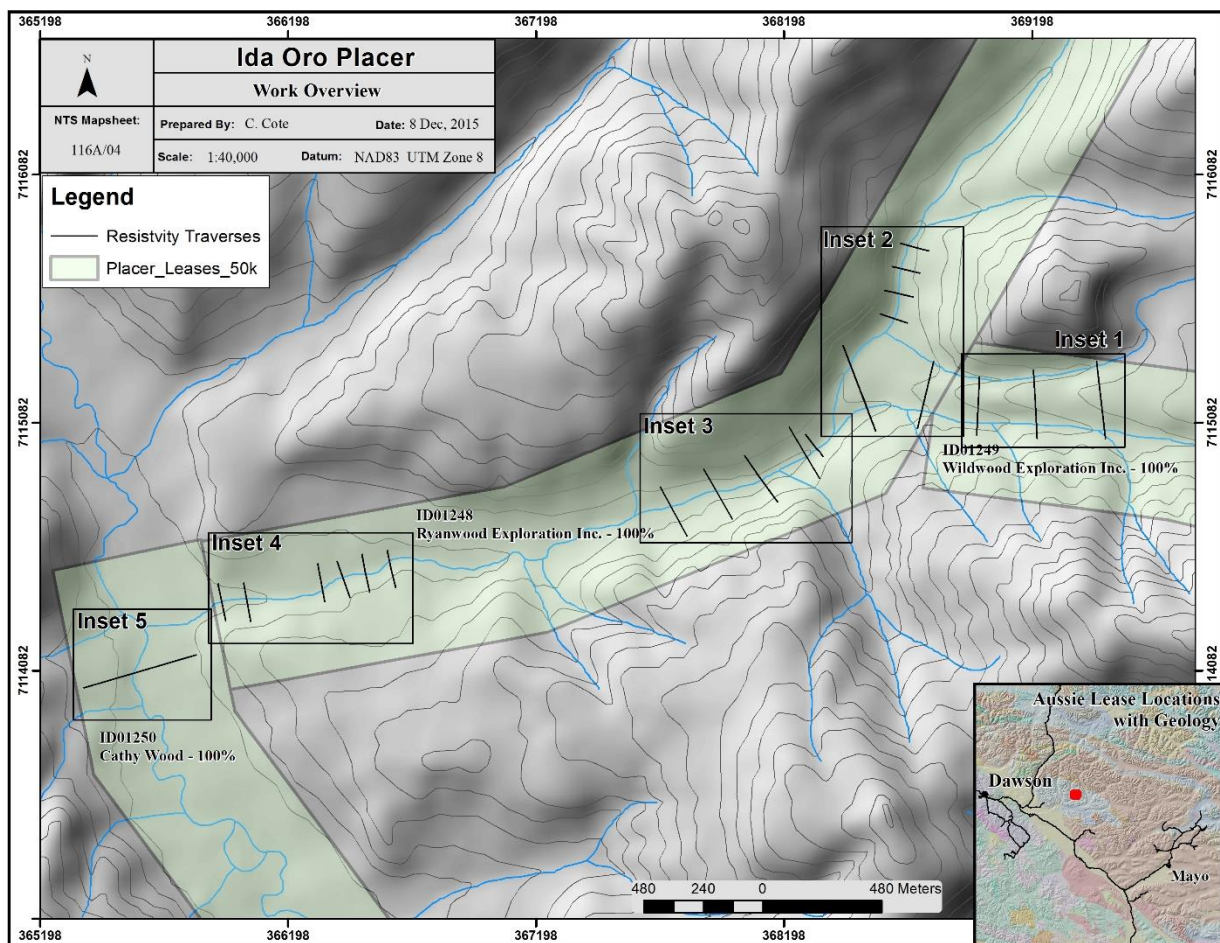


Figure 5: Resistivity Work Overview

5.6.1 Results and Discussion: Placer Lease ID01249

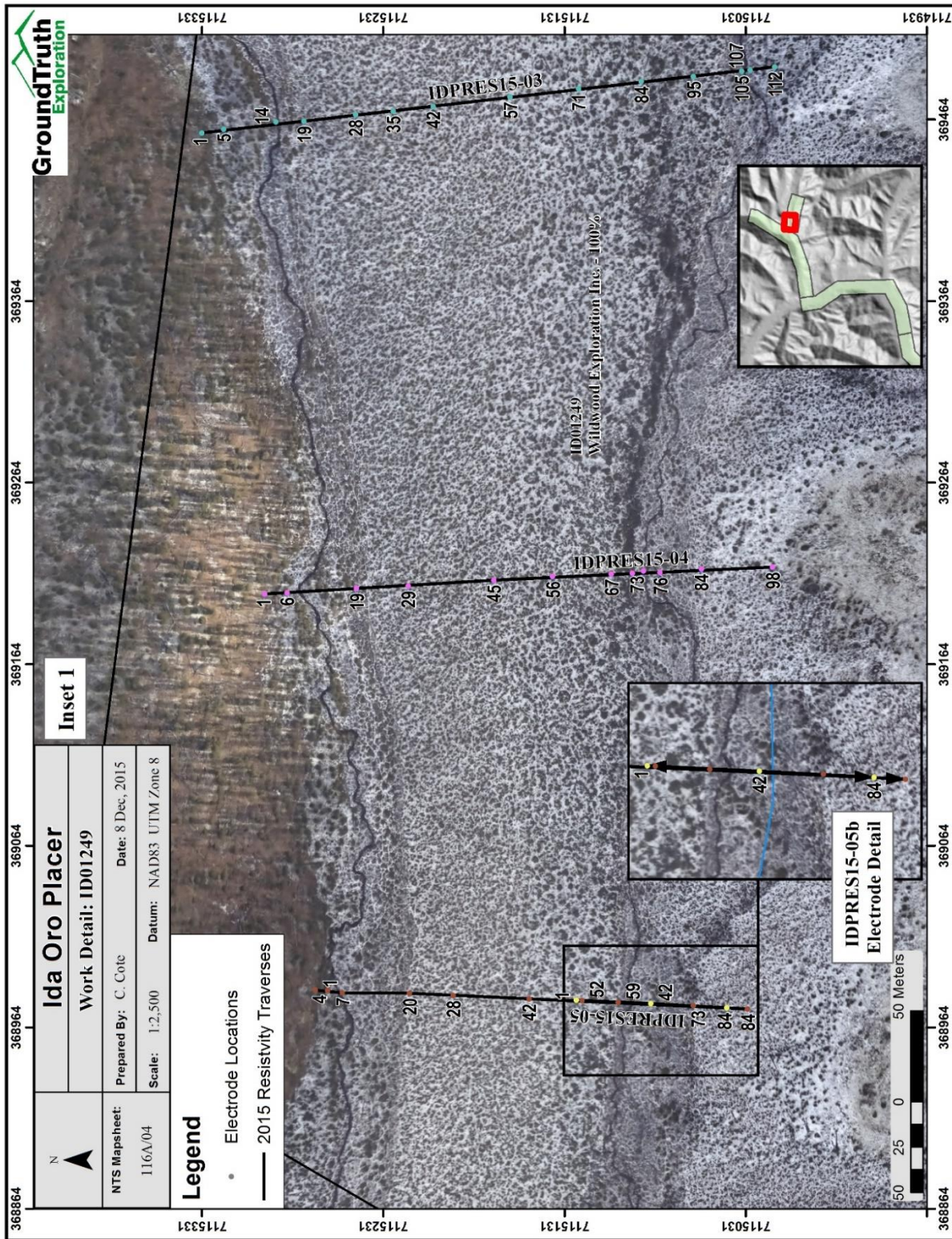


Figure 6: Inset 1, Resistivity on Lease ID01249

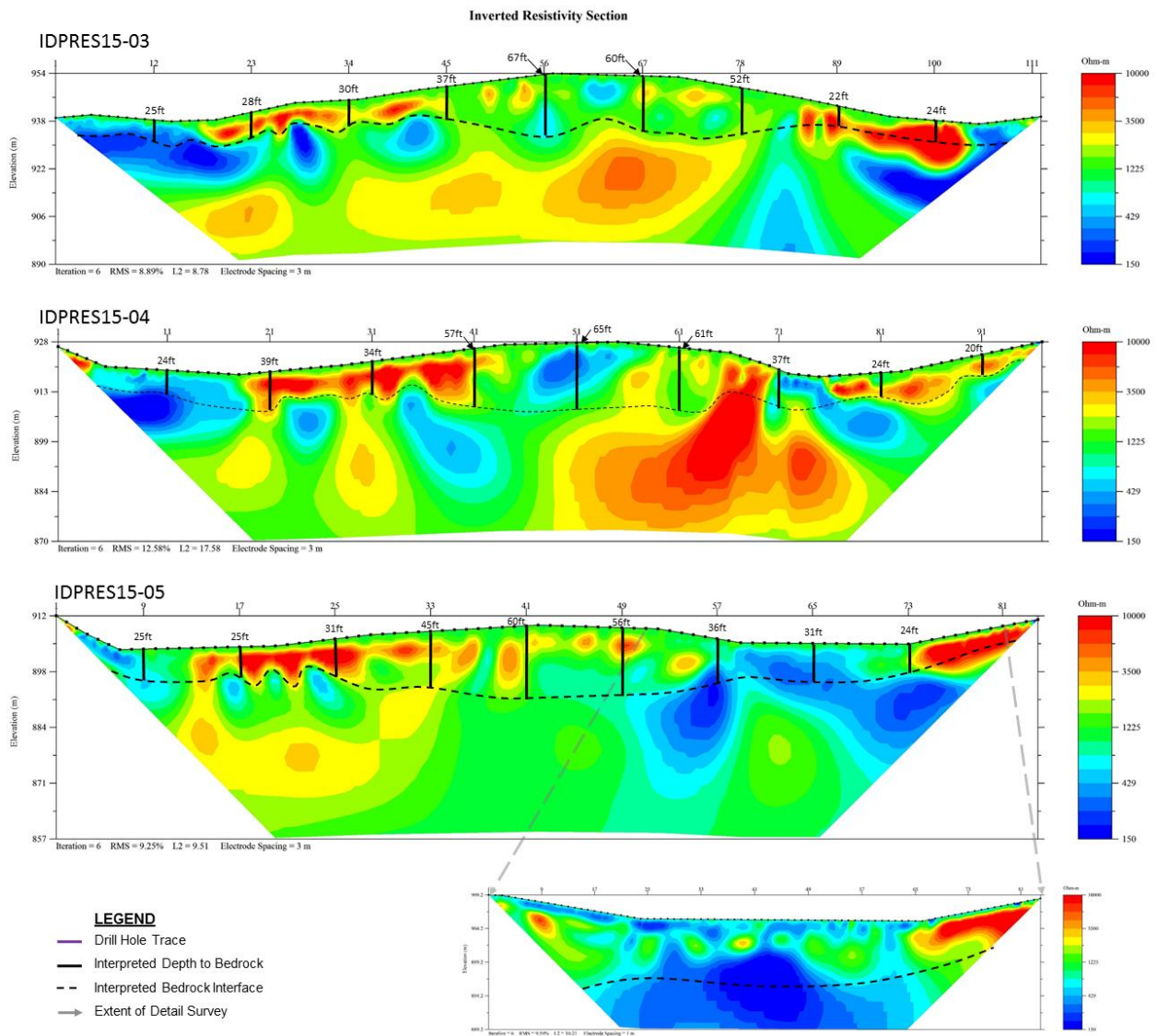


Figure 7: Resistivity Profiles on Placer Lease ID01249

The three profiles on placer lease ID01249 are 250m apart and traverse the narrow valley draining the IDAORO deposit. This valley has a large glacial till deposit blanketing the bottom. From ground observations, the till is composed of unsorted glacial deposit material ranging in size from clay to large boulders up to 6ft in diameter. The till is thickest in the middle of the valley, and thinner on the sides where it is being eroded away by streams.

The resistivity profiles delineate the thickness of the till deposit by defining the bedrock interface boundary. The till increases in thickness up the valley. The thicker mid valley ridge increases in depth from 60ft to 67ft, while the thickness under the streams is fairly consistent at around 25 feet.

The bedrock is interpreted to have three significant channels: One under each stream and one in the middle of the channel. This is an unverified interpretation that should be confirmed by drilling.

5.6.2 Results and Discussion: Placer Lease ID01248

Resistivity line IDPRES15-06 and -07 continue the grid over the glacial till started with lines IDPRES15-03 to -05. The trends identified there continue on down the valley, with three interpreted bedrock channels and a thick till ridge down the center of the valley.

IDPRES15-06 had a detailed 1m spaced traverse done over the southern stream and was drill tested along the length of the line (figure 7). The drilling was essential to accurately understand this line and properly identify a bedrock profile along the length of this line, as well as all the lines transecting the till deposit. The higher resolution detail survey (IDPRES15-06b), does an excellent job defining features in the creek, which is averaged out in the lesser resolution main line. It more accurately defines the near surface permafrost, with the underlying thawed layer over bedrock.

Similar to line 6, the high resolution (0.5m) detail section on line IDPRES15-07 does a better job defining the bedrock interface and depositional layers above. This is especially valuable on the lower address of IDPRES15-07b, where it differentiates between a high resistivity permafrost surface layer, underlain by a thawed sediment layer overlying the competent bedrock. In the 2.5m resolution line, the near surface permafrost layer is combined with the high resistivity bedrock material resulting in deeper interpretations of bedrock depth due to inadequate differentiation between materials.

Lines IDPRES15-12 to -15 form a higher resolution grid up the valley from the main creek junction hosting the IDAORO camp (figure 6). These lines show a fairly consistent pattern of overburden thickness ranging from 16 to 27 feet, with thick permafrost on the eastern valley side and thawed ground in the valley bottom around the creek. Line IDPRES15-12 was drill tested to confirm bedrock contact interpretations.

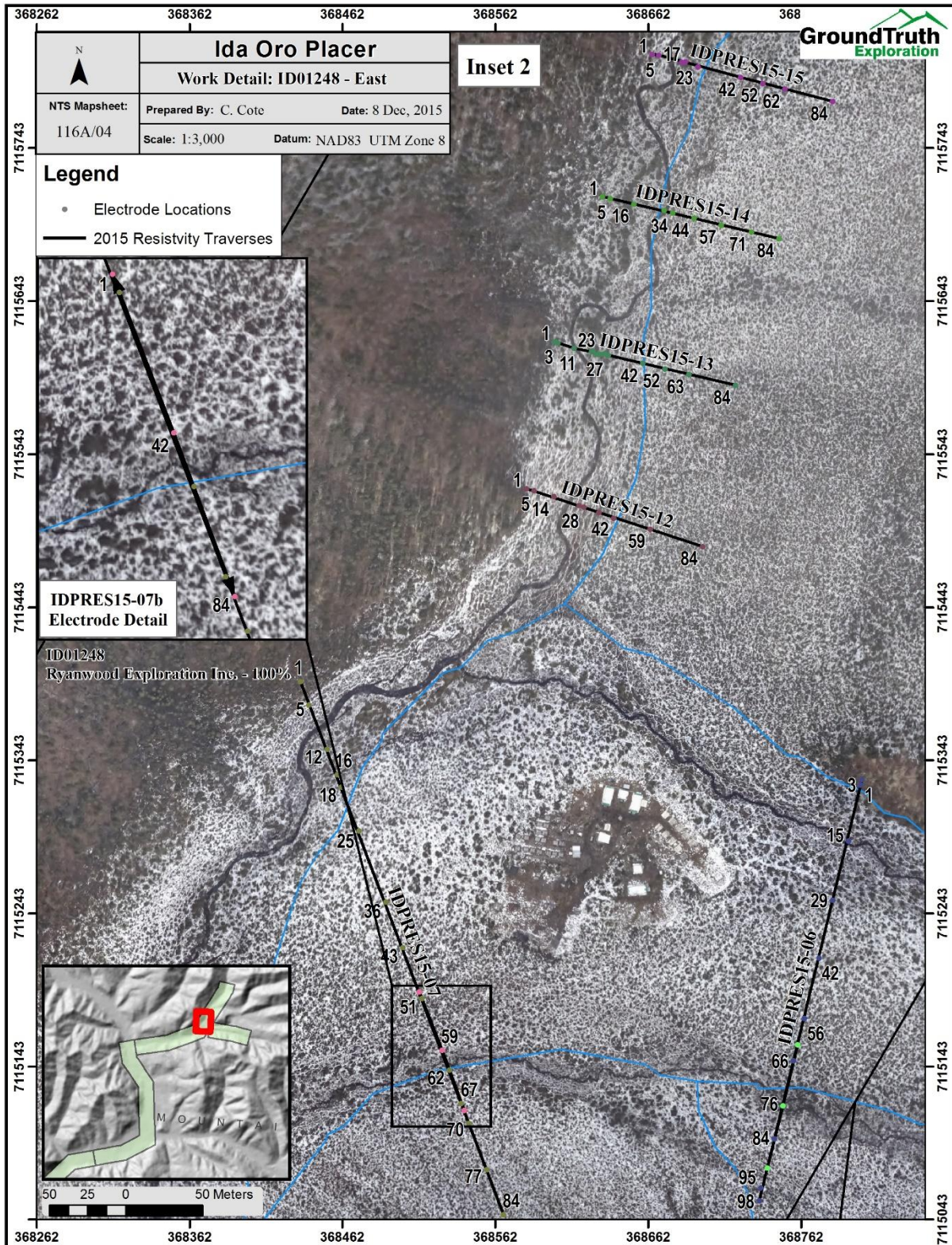


Figure 8: Inset 2, Resistivity on Lease ID01248

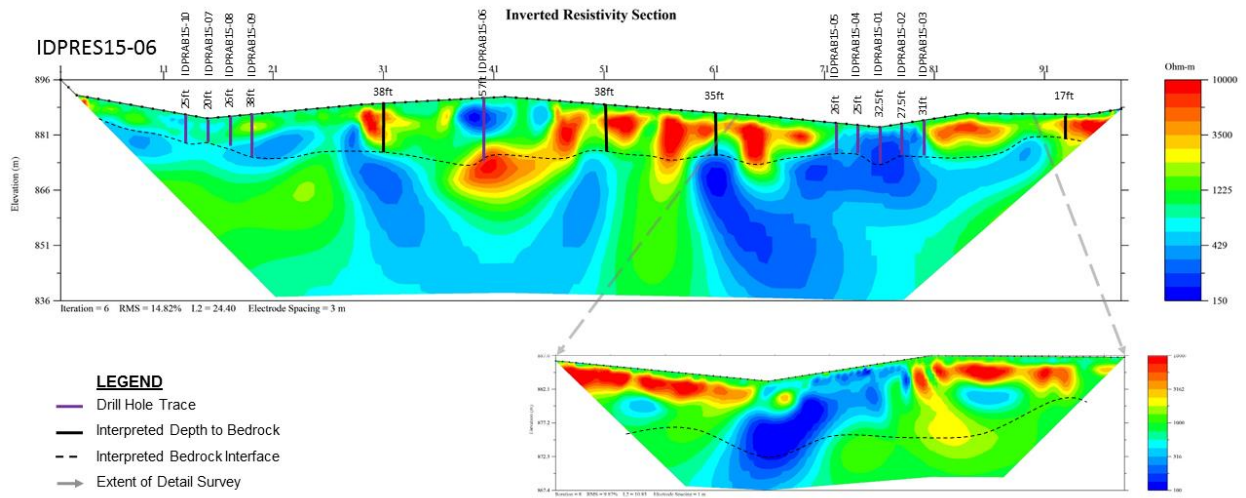


Figure 1: Line 6 with drill holes and detail

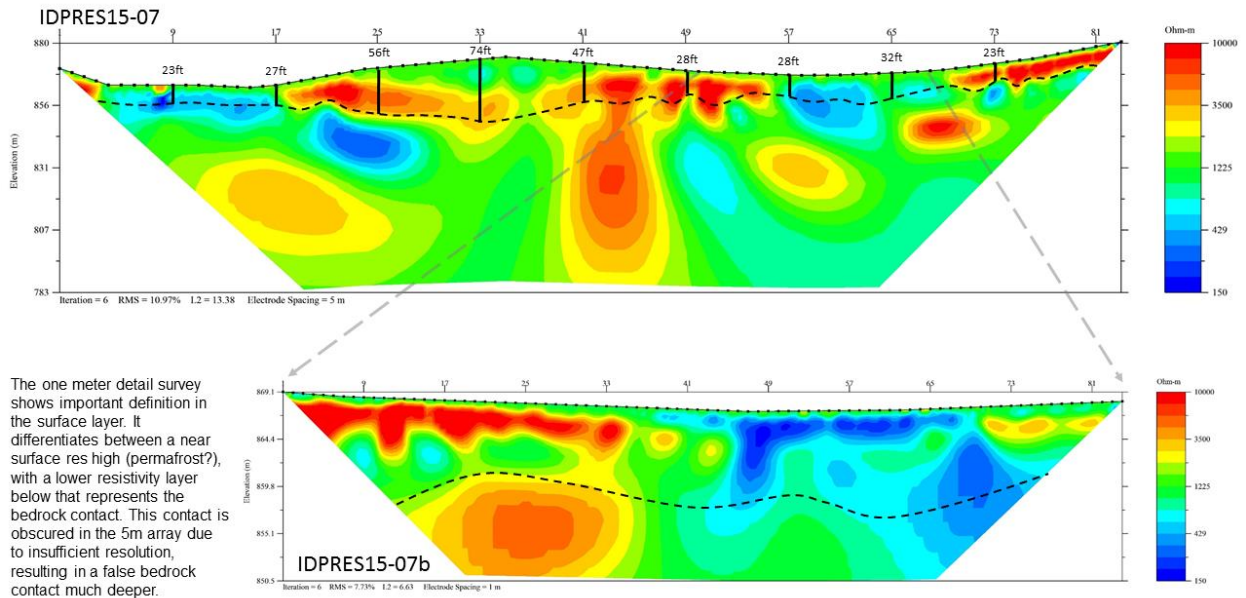


Figure 2: Line 7 over glacial till train

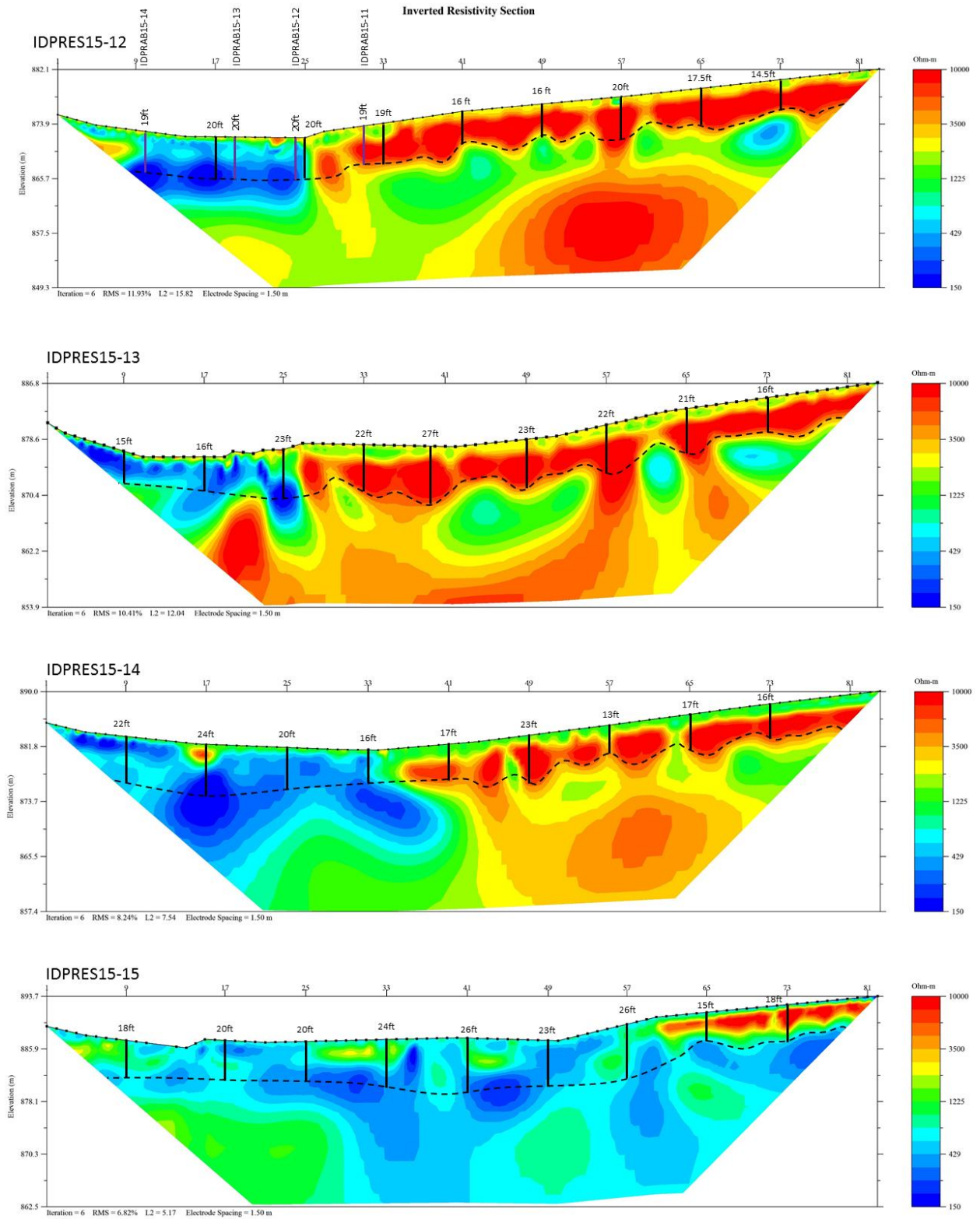


Figure 3: Lines IDPRES15-12 to -15. Upstream of IDAORO camp

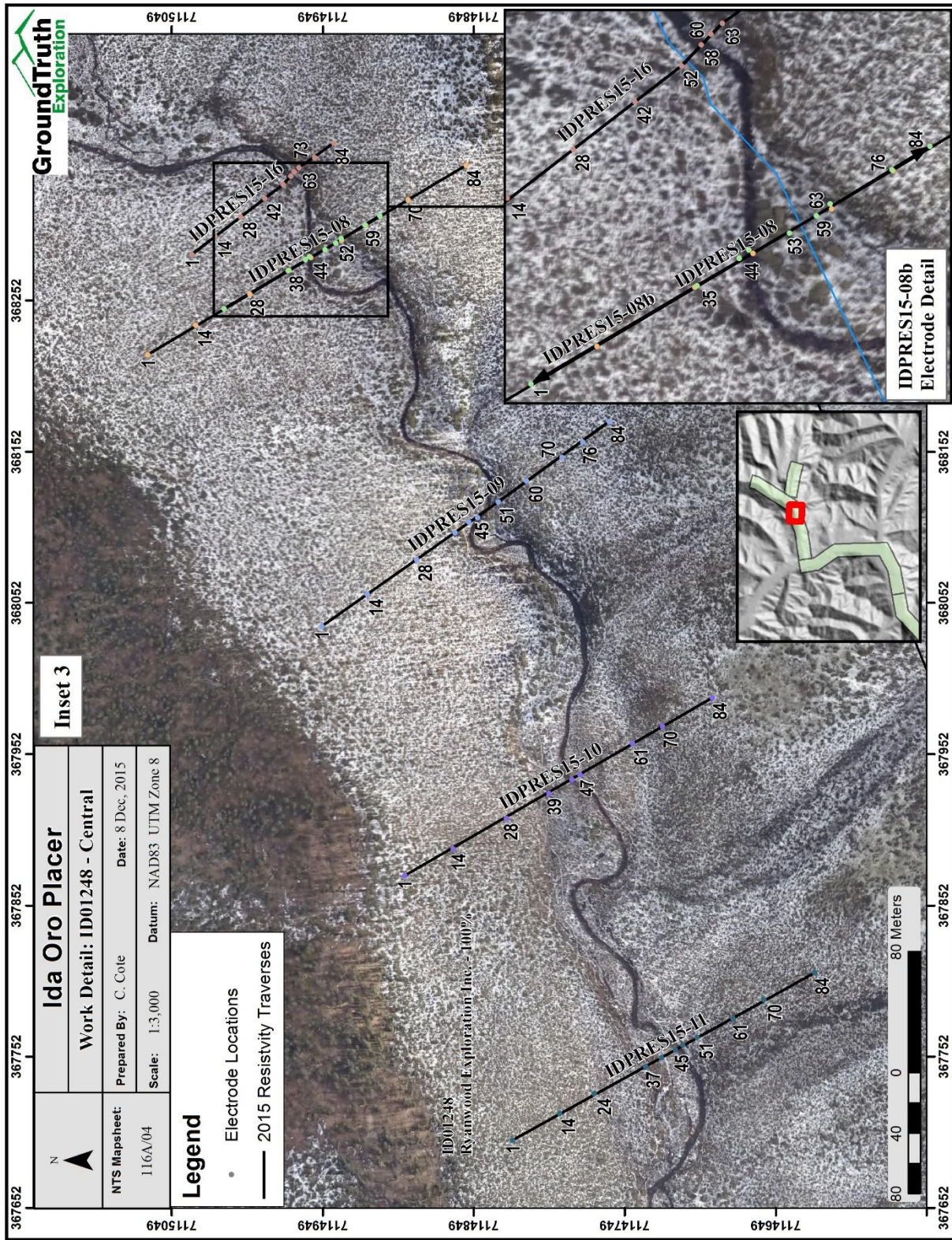


Figure 4: Inset 3, Resistivity on Lease ID01248

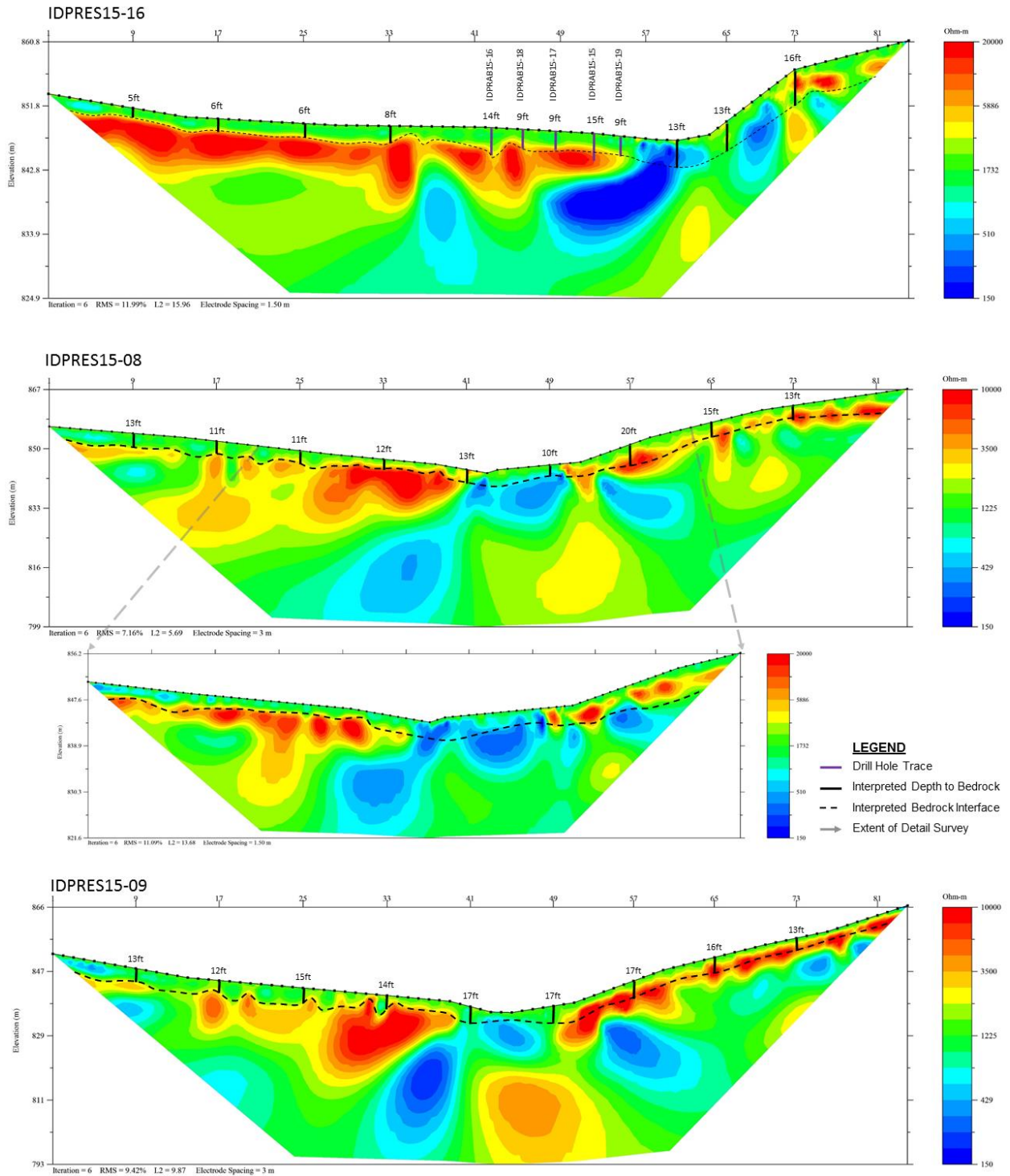


Figure 5: Lines IDPRES15-16, -08, & -09. Downstream of IDAORO camp

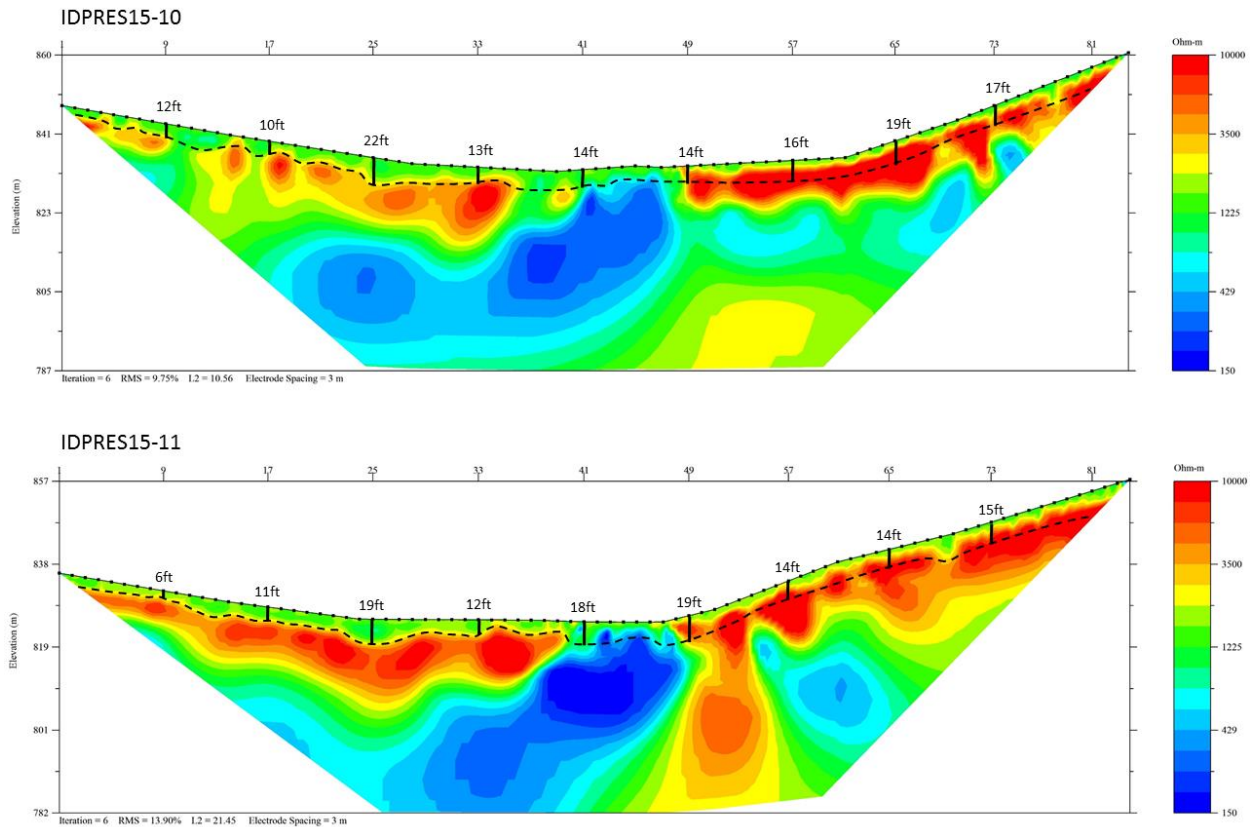


Figure 6: Lines IDPRES15-10 & -11. Downstream of IDAORO camp

IDPRES15-08 to -11 and -16 form a grid of lines downstream of the Glacial moraine deposit and the valley it occupies. It has a significantly different resistivity profile than the previous two zones analyzed. Line IDPRES15-16 is the upper-most line. It is higher resolution than the downstream lines and drill tested to understand the materials associated with the resistivity highs and lows.

IDPRES15-16 is a 0.75m resolution line that has been drill tested. The overburden is significantly thinner over this line than the lines upstream, with drilled depths ranging from 9 to 15 feet. The south aspect slope has a resistivity high layer that has been drill tested to be the top of the bedrock. This is somewhat surprising, as initial, untested interpretations marked this layer as ice rich overburden permafrost, however this layer could still be ice rich permafrost hosted in the upper layer of bedrock itself. The significantly shallower depths to bedrock in this section of the creek valley could be related to the glacial till deposit located just upstream (figure 6). This deposit crosses the entire creek, which may have blocked it historically, resulting in pooling and increased deposition upstream in the area of lines IDPRES15-12 to -15.

IDPRES15-08 (figure 11) is a 1.5m resolution line with a detailed 0.75m resolution line centered on the creek. This helps the interpretations maintain credibility when transitioning from the high resolution drill tested lines to the lower resolution grid extending down the valley. It shows that

the high resistivity bedrock interface on the northern slope of the valley is concurrent at both scale levels due to the high contrast between the low resistivity overburden and high resistivity bedrock. The southern slope of the valley (north aspect) has near surface, high ice content permafrost that is differentiated in the detailed survey and actually transects the high resistivity anomaly near surface on the lower resolution profiles.

Lines IDPRES15-09 to 11 continue the trend, established by line 8, down the valley. Depths to bedrock near the creek range from 17 to 19 feet, with thinner overburden on the slopes to either side. The valley bottom widens out as the creek descends, and another bedrock basin is seen trending on the northern limit of the valley bottom around electrode 41 on line IDPRES15-09, and electrode 25 on lines IDPRES15-10 & -11. This makes an excellent drill or test pit target due to its continuity over multiple lines and thin overburden covering ranging between only 17 and 22 feet.

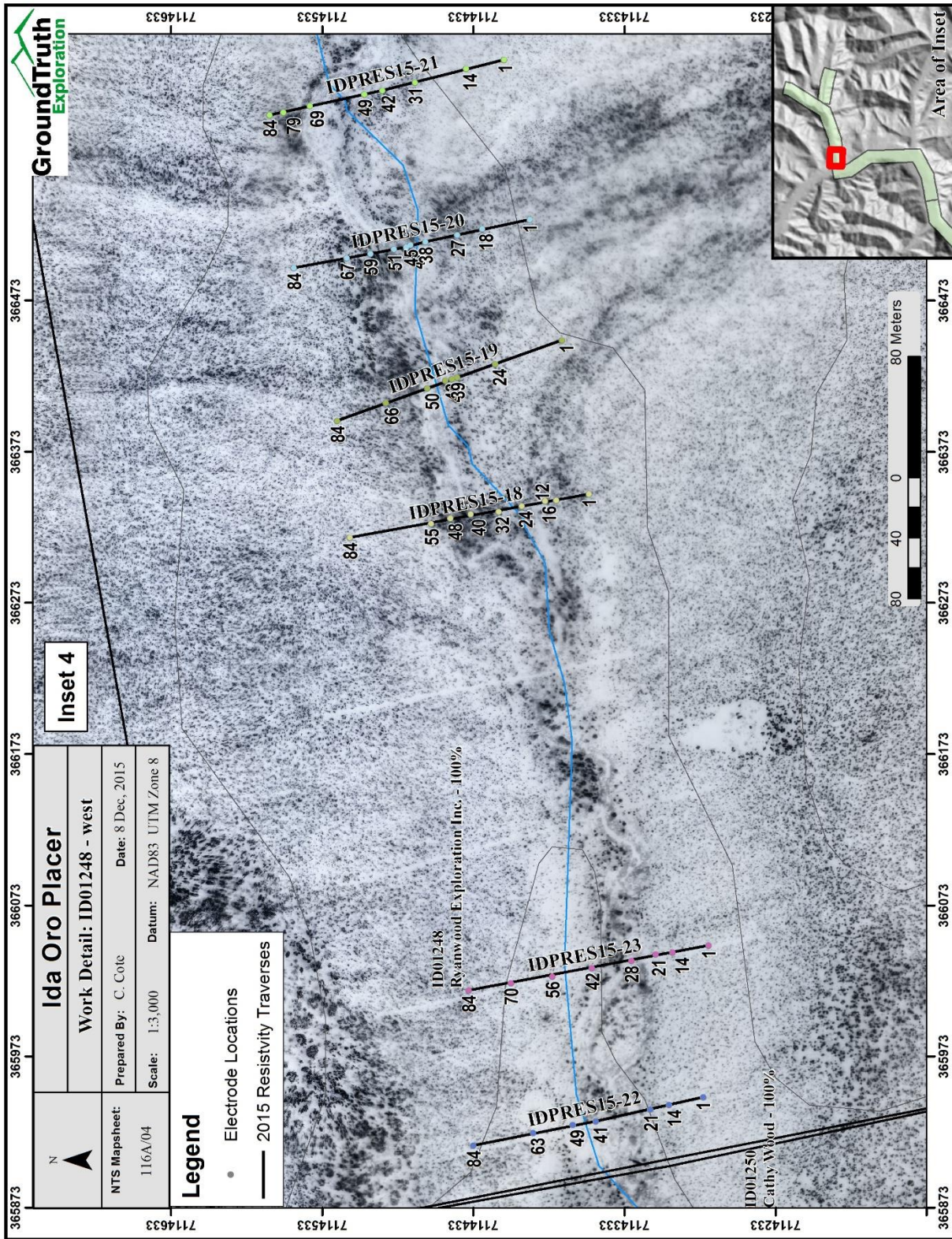


Figure 7: Inset 4, Resistivity on Lease ID01248

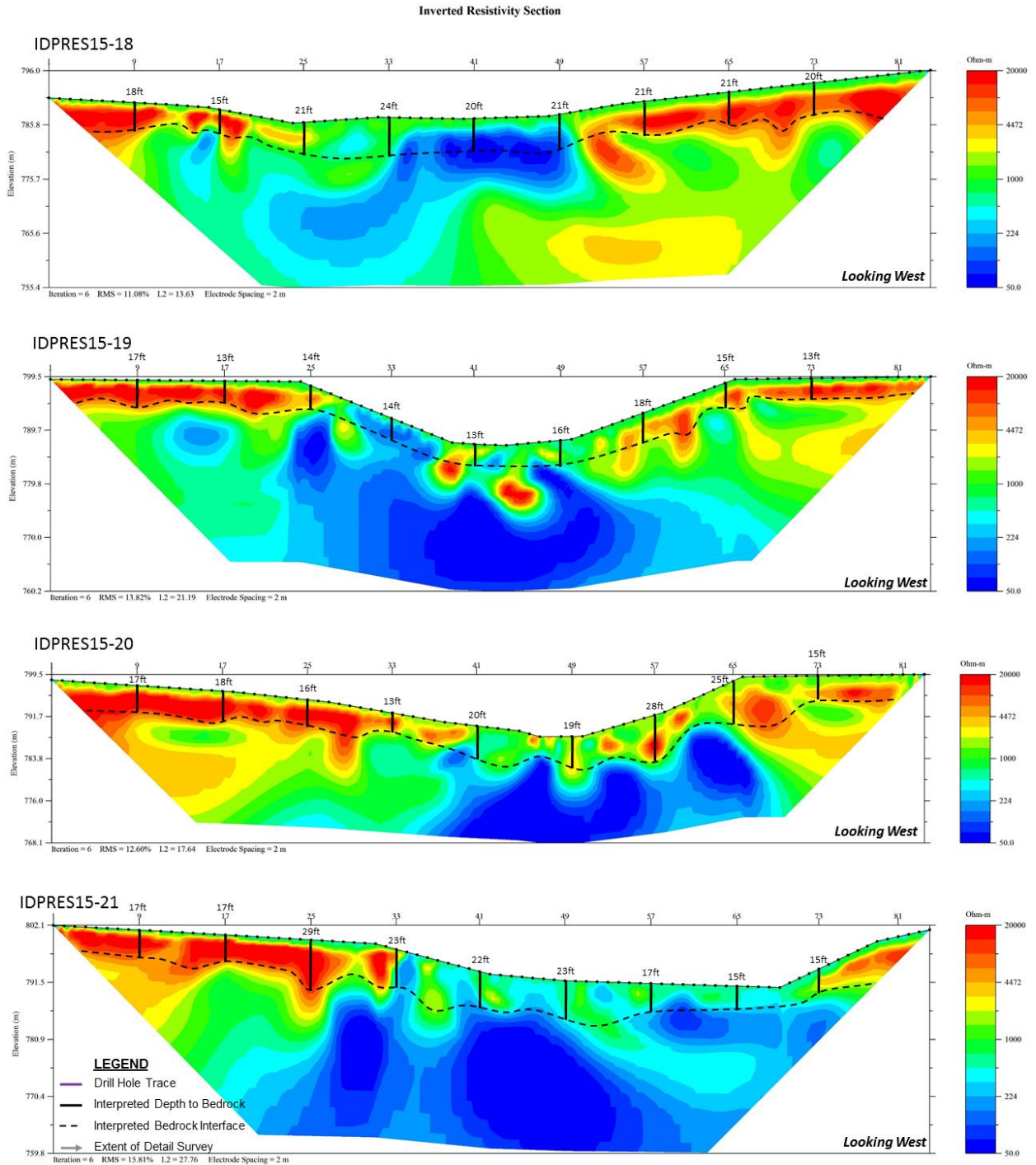


Figure 8: IDPRES15-18 to -21

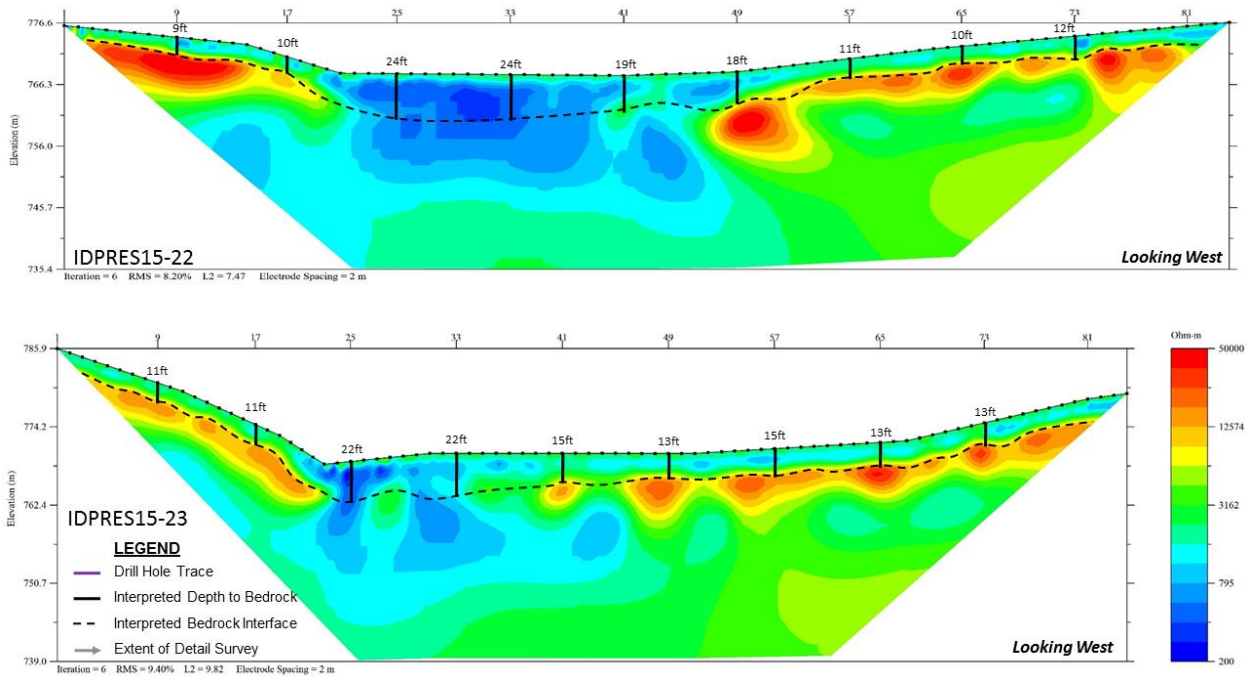


Figure 9: IDPRES15-22 to -23

Lines IDPRES15-18 to -21 are all centered on the creek valley and show a similar resistivity signature with thawed overburden in the valley bottom (low resistivity) ranging from 15 to 24 feet thick, and highly resistive permafrost on the valley side with depths to bedrock ranging from 15 to 25 feet.

This area was also surveyed with a coarser resolution version of the same survey in 2012.

5.6.3 Results and Discussion: Placer Lease ID01250

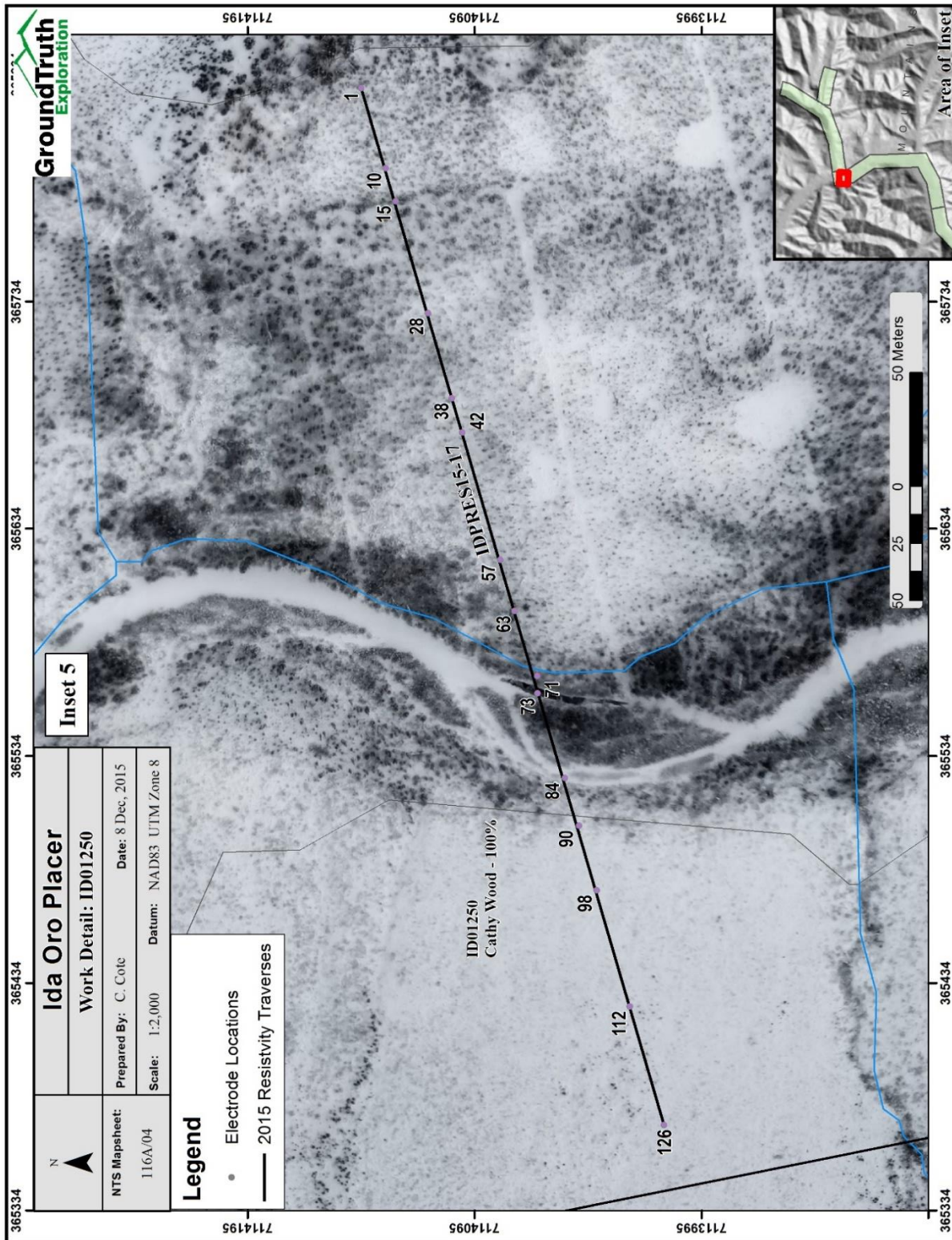


Figure 10: Inset 5, Resistivity on Lease ID01250

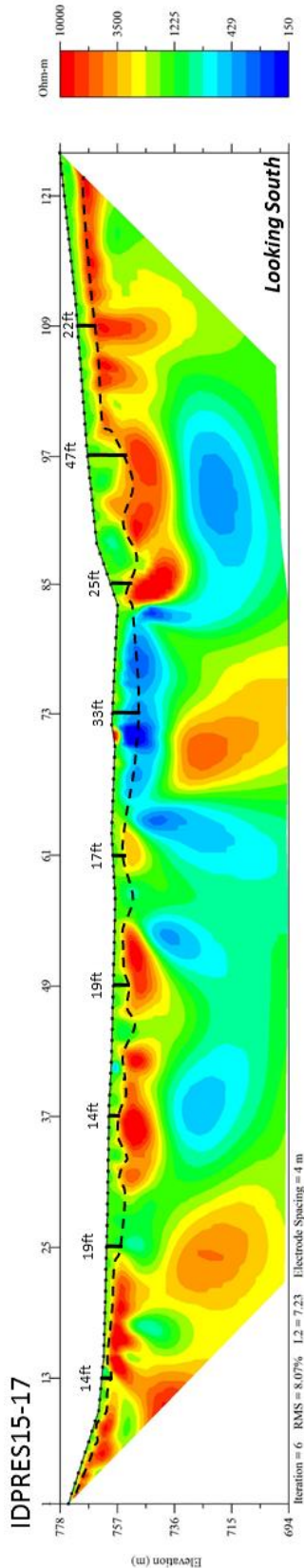


Figure 11: IDPRES15-17 depth to bedrock interpretation

IDPRES15-17 (figure 15) is a 2m resolution line that completely crosses the Aussie Creek Valley, starting on the east bank of the valley and ending on the large bench located on the west side of the valley. This gives a full cross section of the valley, allowing us to find the deepest bedrock channel and thus likeliest spot for gold accumulation. Bedrock is near-surface on the valley side on the east, and represented by a resistivity high 12to14 feet below surface. This layer can be followed across the valley with depths as deep as 33 feet in the area around Aussie Creek (Electrode 71 to 72). The bench on the west side of the valley, from electrode 84 to 126 is underlain by ice rich permafrost with a layer of melt from the summer at surface. The near surface melt is low resistivity, while the ice rich permafrost hosted in the sediments is a resistivity high, that blends with the resistivity high bedrock below, which is also probably permafrost. This makes the exact depth interpretation harder to estimate than the rest of the line, and is why the interpreted depth is within this resistivity high layer. The part of the bench closest to the creek, from electrode 84 to 99 shows two promising target bedrock basins, however with significant amounts of overburden (50 feet).

5.6.4 Results and Discussion: Placer Lease ID01251

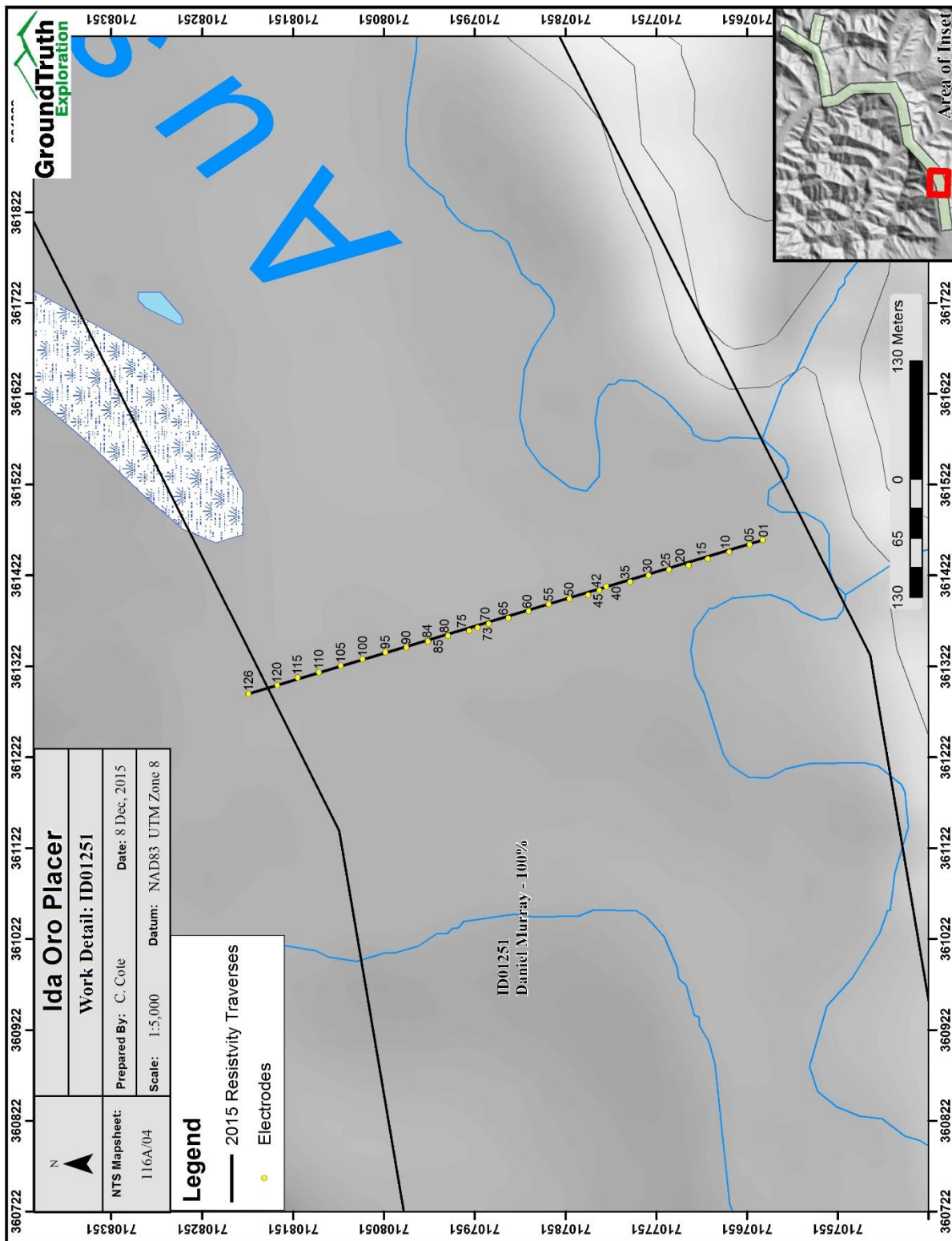


Figure 12: Work detail on Placer Lease ID01251

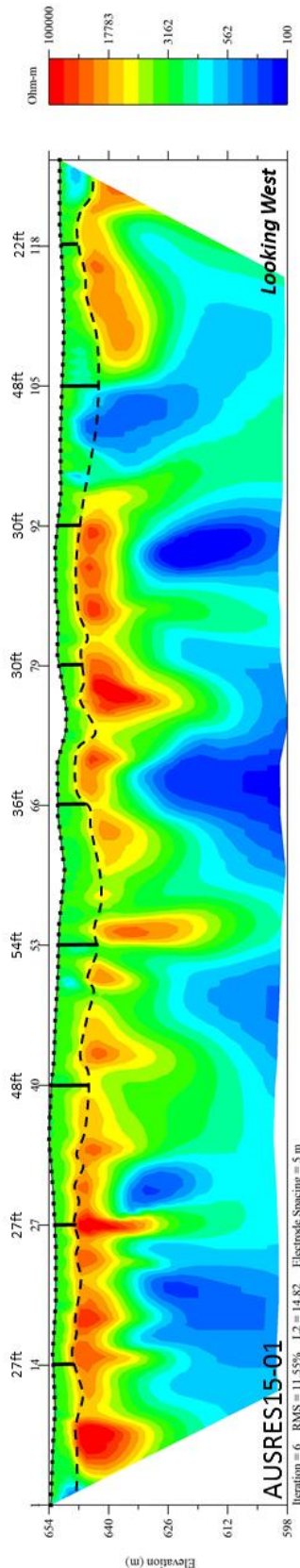


Figure 13: AUSRES15-01 on Lease ID01251

IDPRES15-17 (figure 15) is a 2.5m resolution line that traverses 625m north from the north bank of Aussie Creek. The entire line is in a black spruce bog that is underlain by permafrost. The active layer of permafrost is thawed at the time of reading, so is represented by a resistivity low. The bedrock here is represented by a resistivity high. Overburden thickness ranges from 22 to 54 feet. There are two prominent bedrock channels, one is between electrodes 53 to 56, and the other is between electrodes 99 to 112.

6 Rotary Air Blast Drilling Program

6.1 Introduction

19 Rotary Air Blast (RAB) Drill Holes were drilled on the Ida Oro Placer Lease ID01248 in order to both groundtruth interpretations on the resistivity profiles, and to sample for gold on targets identified in the resistivity profiles.

The RAB Drill and crew drilled from October 20-27/15 and mobilized onto site on when the Resistivity crew demobilized. A total of 19 drill holes were completed on the program. The crew demobilized back to Dawson on October 27/15 with samples and left the drill onsite pending processing of the samples. The samples were sluiced in Dawson and the decision was made to terminate the program. The drill was demobilized on November 5/15.

6.2 Personnel

The survey was conducted by the following GroundTruth Exploration personnel:

- | | |
|-----------------------|--------------------|
| 1. Dan Murray | Lead Driller |
| 2. Brett Godwin | Assistant Driller |
| 3. Phillip Severinsen | RAB Geo Technician |
| 4. Kendra Franks | Camp Assistant |

6.3 RAB Drill Overview

The RAB Drill (Rotary Air Blast) is a remotely controlled tracked platform with an onboard air compressor, tilting mast and rotary drill head. The RAB Drill has 1650 sq. inches of track coverage with less than 1.0 psi ground pressure allowing it to be extremely versatile and low impact in the field. The unit is powered by a 60hp diesel engine and is air / hydraulically operated. Each drill hole is cased from surface to bedrock and entire sample is collected. Drill hole location is surveyed by DGPS. Samples were brought back to Dawson for processing.

RAB Drill Technical Specifications

- Length – 96”
- Width – 50”
- Height – 80”
- Weight – 3400 lbs
- Working Angle – 45 to 90 degree
- Tracks 1.0 psi ground pressure
- Engine 60hp Turbo Charged Kubota
- Hydrostatic Drive
- Wireless Remote Driving

Stationary 300/200 Air Compressor

- Length – 72”
- Width – 32”
- Height – 60”
- Weight – 1750 lbs

Tooling

- Diameter of bit – 90mm
- Drill rod length – 1.5m
- 50m capacity in rod basket

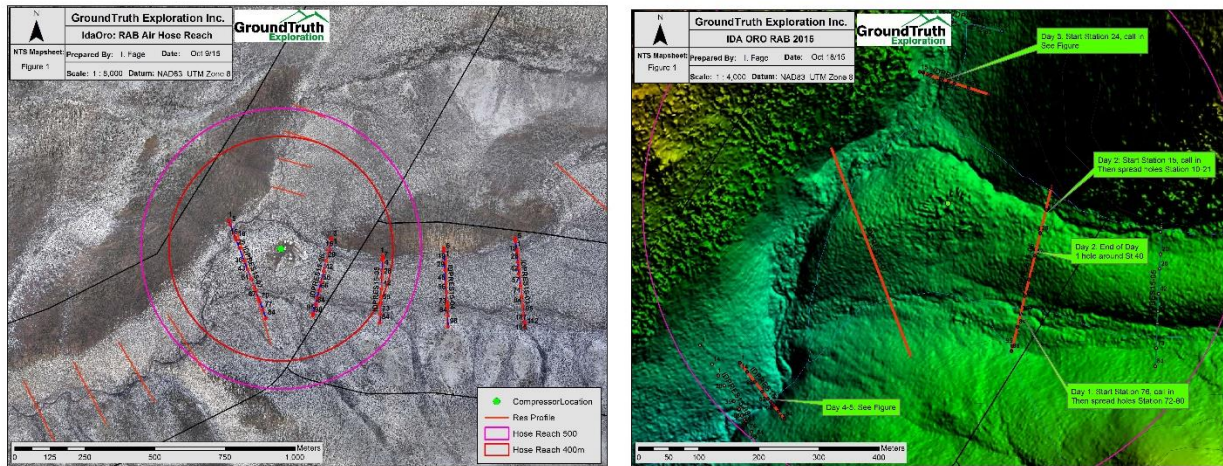


Figure 21: RAB drill Layout and Planning

The above figure shows the range of RAB drill with 300/200 compressor and fuel stationed centrally in camp. The tracked drill with all rods and tooling is ground mobile and drove to all drill hole sites. The 1800lb compressor and its fuel (~1 drum per day) was not moved during the program. The drill had a maximum reach of 500m in any direction as shown in the planning sketch above. The Drone detailed image and topo model was used to interpret surficial cover but was also an invaluable tool used to plan drill traverse routes and hole locations.



Figure 22: RAB Drill setup on Ida Oro placer project.

6.4 RAB Drill Results

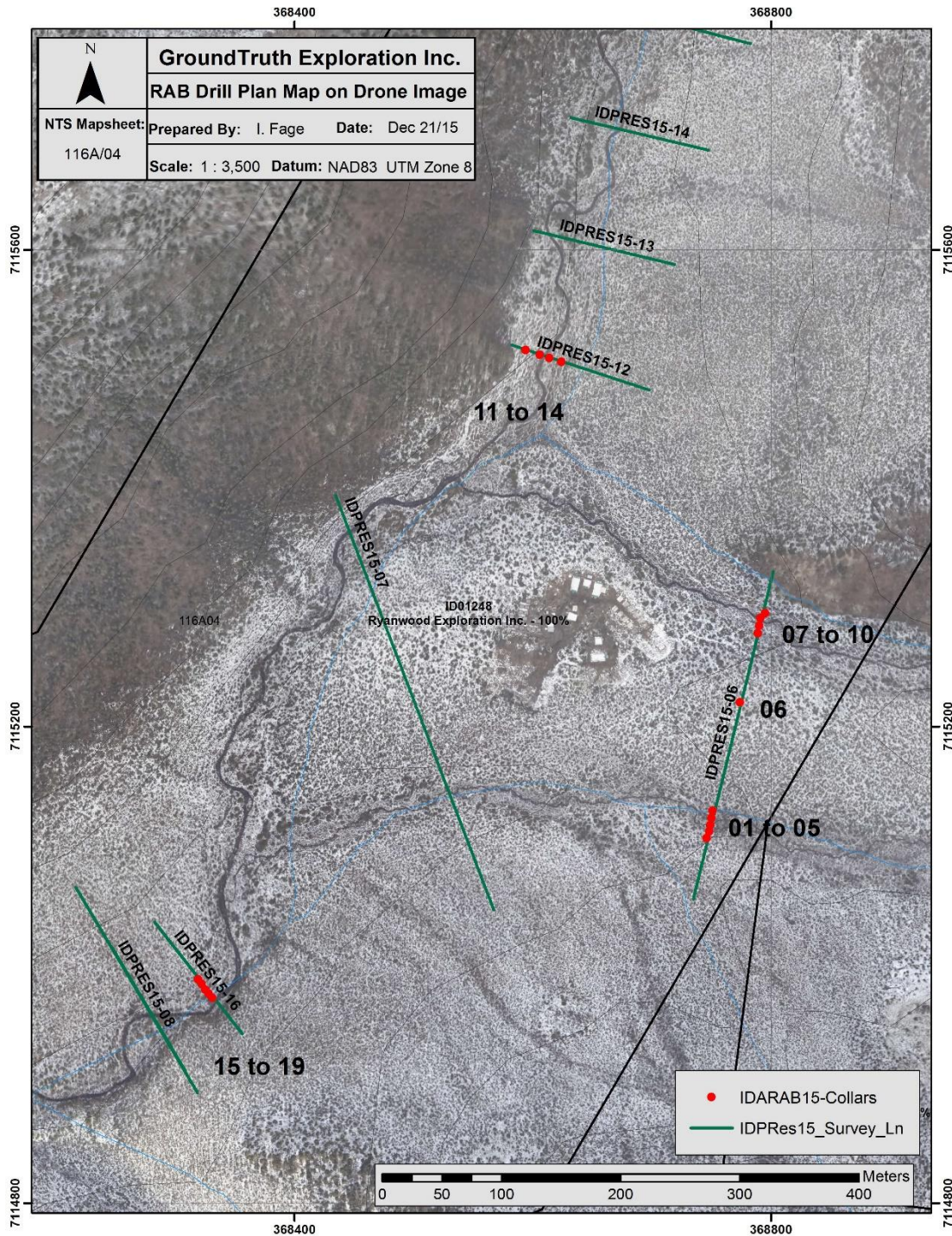


Figure 23: Drill hole location: Holes 1-19

HoleID	X	Y	Z	Az	Dip	Depth_m	Depth_ft
IDPRAB15-01	368749	7115117	875.2	0	90	11.4	40
IDPRAB15-02	368748	7115112	875.6	0	90	10.7	27.5
IDPRAB15-03	368746	7115106	876.3	0	90	9.9	32.5
IDPRAB15-04	368750	7115123	875.5	0	90	7.6	25
IDPRAB15-05	368751	7115129	876.1	0	90	9.9	32.5
IDPRAB15-06	368774	7115220	883.2	0	90	19.1	62.5
IDPRAB15-07	368791	7115291	876.9	0	90	8.4	27.5
IDPRAB15-08	368790	7115284	877.5	0	90	8.4	27.5
IDPRAB15-09	368789	7115278	878.2	0	90	13.0	42.5
IDPRAB15-10	368795	7115295	877.9	0	90	8.4	27.5
IDPRAB15-11	368624	7115506	863.8	0	90	8.4	27.5
IDPRAB15-12	368614	7115509	862.5	0	90	8.4	27.5
IDPRAB15-13	368606	7115512	862.2	0	90	6.9	22.5
IDPRAB15-14	368594	7115516	863.6	0	90	6.9	22.5
IDPRAB15-15	368328	7114976	836.7	0	90	6.9	22.5
IDPRAB15-16	368319	7114988	836.9	0	90	9.6	31.5
IDPRAB15-17	368322	7114984	837.1	0	90	3.8	12.5
IDPRAB15-18	368325	7114979	836.8	0	90	3.8	12.5
IDPRAB15-19	368331	7114972	836.1	0	90	3.5	11.5

Table 2: RAB Collar location and hole depth



Figure 24: Transporting Tooling and drill rods between holes

HoleID	From_m	To_m	From_ft	To_ft	Material
IDPRAB15-01	0	9.906	0	32.5	Sand/Gravel
IDPRAB15-01	9.906	11.43	32	37.5	Bedrock
IDPRAB15-02	0	8.382	0	27.5	Sand/Gravel
IDPRAB15-02	8.382	10.668	27	35	Bedrock
IDPRAB15-03	0	9.4488	0	31	Sand/Gravel
IDPRAB15-03	9.4488	9.906	31	32.5	Bedrock
IDPRAB15-04	0	7.62	0	25	Gravel
IDPRAB15-05	0	7.9248	0	26	Gravel
IDPRAB15-05	7.9248	9.906	26	32.5	Bedrock
IDPRAB15-06	0	17.3736	0	57	Gravel
IDPRAB15-06	17.3736	19.05	57	62.5	Bedrock
IDPRAB15-07	0	6.096	0	20	Gravel
IDPRAB15-07	6.096	8.382	20	27.5	Bedrock
IDPRAB15-08	0	7.9248	0	26	Gravel
IDPRAB15-08	7.9248	8.382	26	27.5	Bedrock
IDPRAB15-09	0	11.5824	0	38	Gravel
IDPRAB15-09	11.5824	12.954	38	42.5	Bedrock
IDPRAB15-10	0	7.62	0	25	Gravel
IDPRAB15-10	7.62	8.382	25	27.5	Bedrock
IDPRAB15-11	0	5.7912	0	19	Gravel
IDPRAB15-11	5.7912	8.382	19	27.5	Bedrock
IDPRAB15-12	0	6.096	0	20	Gravel
IDPRAB15-12	6.096	8.382	20	27.5	Bedrock
IDPRAB15-13	0	6.096	0	20	Gravel
IDPRAB15-13	6.096	6.858	20	22.5	Bedrock
IDPRAB15-14	0	5.7912	0	19	Gravel
IDPRAB15-14	5.7912	6.858	19	22.5	Bedrock
IDPRAB15-15	0	4.572	0	15	Gravel
IDPRAB15-15	4.572	6.858	15	22.5	Bedrock
IDPRAB15-16	0	3.048	0	10	Gravel
IDPRAB15-16	3.048	5.1816	10	17	Bedrock
IDPRAB15-17	0	2.7432	0	9	Gravel
IDPRAB15-17	2.7432	3.81	9	12.5	Bedrock
IDPRAB15-18	0	2.7432	0	9	Gravel
IDPRAB15-18	2.7432	3.81	9	12.5	Bedrock
IDPRAB15-19	0	2.7432	0	9	Gravel
IDPRAB15-19	2.7432	3.5052	9	11.5	Bedrock

Table 3: Drill Logs

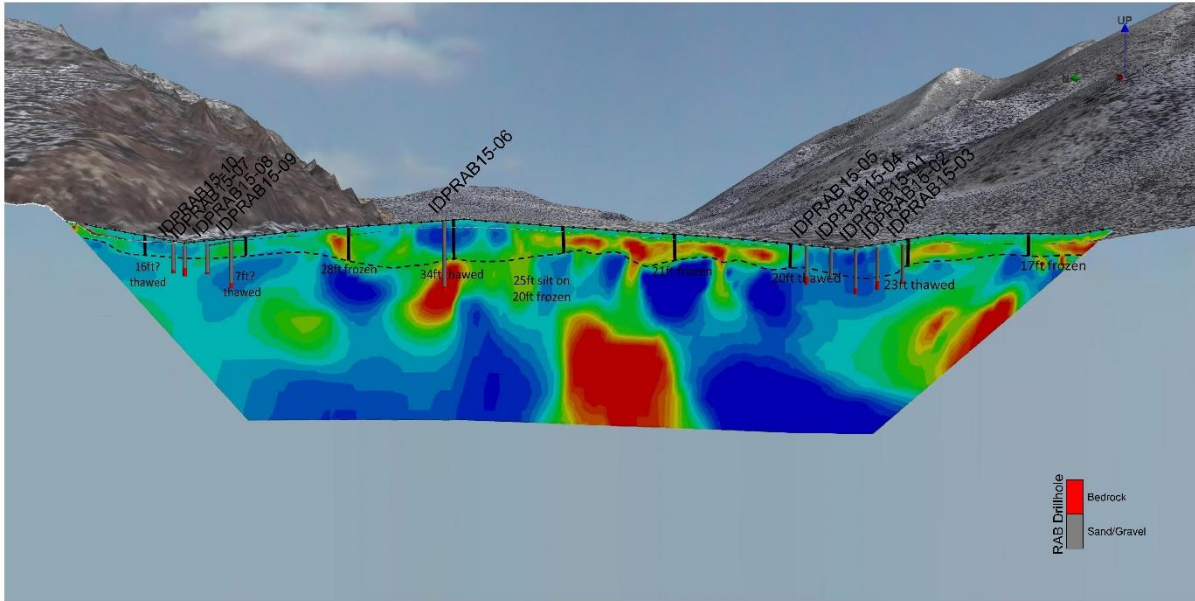


Figure 25: IDPRES15-06 with prelim drill target interpretation and Drill Holes 11-10 overlaid

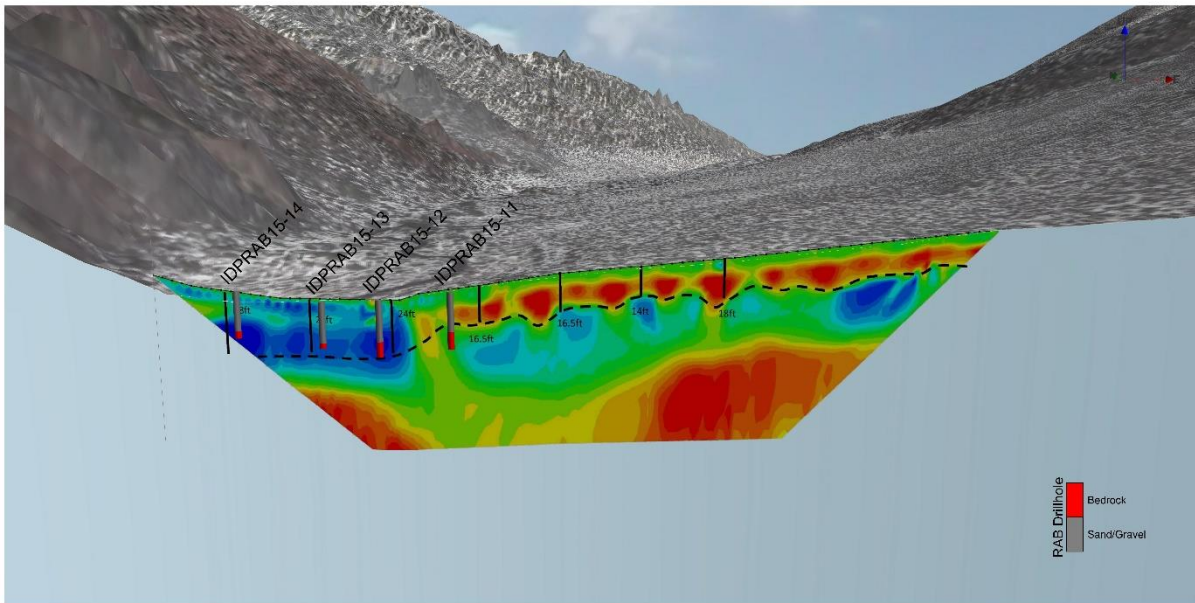


Figure 26: IDPRES15-12 with prelim drill target interpretation and Drill Holes 11-14 overlaid

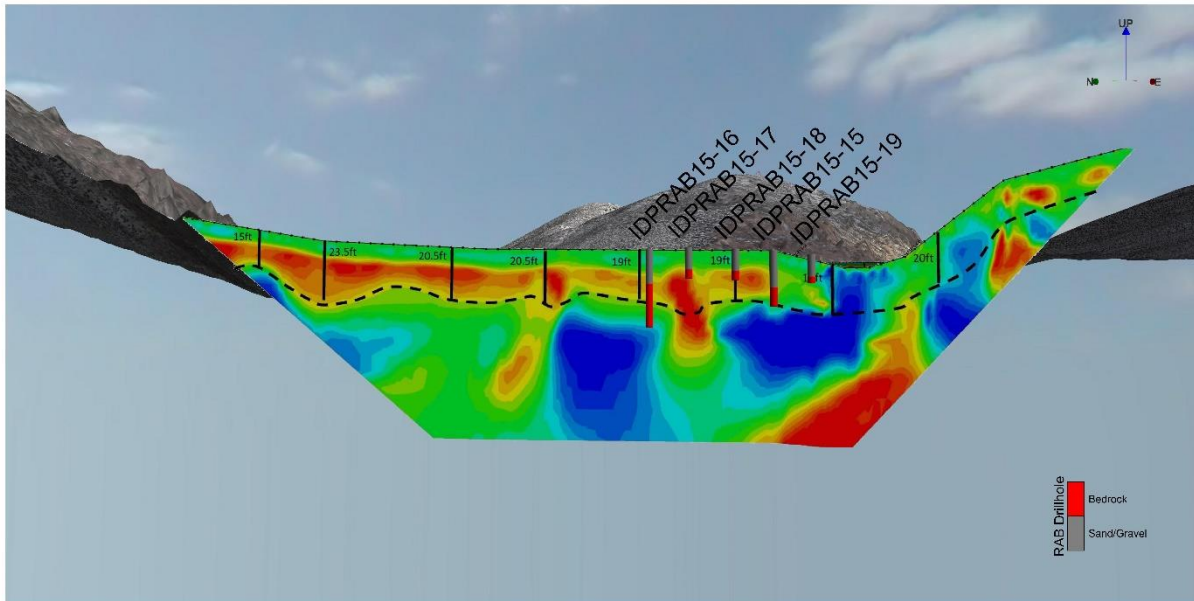


Figure 27: IDPRES15-16 with prelim drill target interpretation and Drill Holes 15-19 overlaid

The RAB Drill was successful on the Ida Oro placer project. The drill was able to move and test 4 separate target areas in the short program. The use of drone and resistivity data to target and plan the drilling on the fly proved to be practical and provide a strategic advantage for precise hole placement and optimizing production/cost efficiency. Drill hole depths/logs were relayed live from the field as they were drilled and plotted directly on the resistivity interpretations as shown in the previous 3 figures. Drill hole locations were instructed to crew from the client in real time based on holes plotted on resistivity.

The Ida Oro placer project is remotely located which required a heliportable/ground mobile drill to test efficiently – the RAB drill used here worked well within these logistical constraints. Also, the Ida Oro placer property tested ground covered by a glacial moraine and an expected boulder train of grainites upstream. Augering was expected to not be a viable option for drilling here and boulders were frequently encountered. The RAB performed well in the boulder rich ground and successfully reached bedrock in 18 of 19 holes. The holes were 4.5” in diameter and cased to bedrock. Sample size was very good, with returns averaging a 20l bucket per 5 foot rod. Sample quality was inferred to be very good also with the holes being cased, reducing the opportunity for any sample cross contamination. However, no gold was encountered in the sample testing.

7 Conclusion and Recommendations

In locations that were drill tested, the resistivity profile interpretations proved to be reasonably accurate, and enabled not only the line that was drilled to be interpreted with high confidence, but also all the lines adjacent to that line in the same environment of overburden type, permafrost distribution, and bedrock type. The drill holes groundtruthing the resistivity profiles also highlighted the extreme variation between different environments, however, with the bedrock interface being found in a wide variety of resistivity values and relationships such as at the top of a resistivity high in line -16, the bottom of the resistivity high in line -12, and between specific layers of resistivity highs and lows in line -06.

Our original interpretations of the res profiles were often modified by the drill holes, which changed our understanding of the material and bedrock interface and how these related to our profiles. This can clearly be seen in figures 20 to 22. With our new understanding of the sites, we were able to reprocess the resistivity data, modifying parameters, to better match what we know to be true. These processing setting, once optimized to the known drill holes, was then applied to the whole project to maximize our accuracy in un-tested zones.

Due to normal variation in resistivity values indicating the bedrock interface between different environments, but good correlation between adjacent lines within a given environment, it is essential to drill test each zone to achieve maximum accuracy in both the data processing and the interpretation.

A drill hole or test pit should be drilled on line IDPRES15-07 because it is in the Aussie creek proper so will be composed of different sediment profiles and permafrost distribution due to the watershed geology, stream orientation, and elevation.

A drill hole or test pit should be placed on line IDPRES15-22 or -23. These lines correspond to lines IDPRES12-01 and -02 respectively. This would allow for more accurate interpretation and processing of these lines and the surrounding lines. In addition to the drill holes or test pits, the 2012 survey in this area should be compared to the 2015 survey to determine if the two years agree on the bedrock interface and electrical characterization of the sediments.

With respect to prospectively of the drainage system, there is an observed significant hard rock gold source that has eroded into Ida Oro and Aussie creek. The next logical place to test would be further downstream.

8 Statement of Costs

Drone, Geophysical and Drilling work on Ida Oro Creek placer project conducted between: October 1-27th, 2015

8.1 Expenses:

DC Resistivity Surveys:

DC Resistivity Surveys on Ida Oro placer Project - Shawn Ryan		GroundTruth Exploration		Invoice
Overview:				
GroundTruth Exploration surveyed 24 DC Resistivity profiles with a crew of 5 on the Ida Oro placer project in October 2015. Survey days were: October 1, 5-18 (15 days). One weather day was incurred on October 19th. Mobe days were on Oct 4th and 20th. Labour on mobe days is charged out at 75% of field rate and weather days are charged out at 50% of field rate. The crew flew by helicopter on the October 1st survey. They mobed into camp on Oct 4, staging from Tintina Gravel pit. The crew was resupplied and moved camp location on October 14/15.				
DC Resistivity Cost Breakdown:				
Wages:				
1 Geophysical Operator * \$450/day	\$ 450.00	17	\$7,650.00	
Field Assistants * \$350/day	\$ 350.00	68	\$23,800.00	
Packing & Prep	\$ 250.00	5.5	\$1,375.00	
Food/Camp:				
Food: Crew of 5 * \$50/day	\$ 50.00	80	\$4,000.00	
Camp: Crew of 5 * \$35/day	\$ 35.00	80	\$2,800.00	
Data Management and Processing Services				
Planning, Daily Data Processing, interp, email to client, finals and report @ \$60/hr	\$ 60.00	30	\$1,800.00	
Survey Equipment/Vehicle:				
IP/Resistivity Meter: Supersting 8 Channel meter w/cables, electrodes	\$ 600.00	15	\$9,000.00	
Precision GPS: Ashtech Promark 100 differential GPS	\$ 50.00	15	\$750.00	
Laptop w/Inversion software for nightly dowload and review @ \$50/day	\$ 50.00	15	\$750.00	
Iridium Sat Phone @ \$35/day	\$ 35.00	15	\$525.00	
Satellite Internet @ \$40/day	\$ 40.00	14	\$560.00	
Chainsaw 2* \$50/day (gas/oil incl.)	\$ 50.00	30	\$1,500.00	
VHF Radios/GPS: 5 * \$5/day	\$ 5.00	75	\$375.00	
Truck @ \$75/hour (mobe, resupply, demobe)	\$ 75.00	9.5	\$712.50	
Consumable Supplies:				
Stainless Electrodes: wear & tear- 2 per profile, \$6 ea *24 profiles	\$ 12.00	24	\$288.00	
Calcium Chloride: 4kg per profile, \$2/kg *24 profiles	\$ 8.00	24	\$192.00	
Spray paint: 1/2 can per profile, \$10/can *24 profiles	\$ 5.00	24	\$120.00	
			Total Invoice:	\$56,197.50

Direct Helicopter Expenses:

Trans North Helicopters

Date:	Ticket #:	Description:	Hours:	Cost:
Oct 1/15	60442	Astar D2 - 1day Res, Drone	2.4	\$4,104.00
Oct 4/15	60444	Astar D2 - mobe crew to Ida Camp	2.2	\$3,762.00
Oct 14/15	60451	Astar D2- resupply crew, move camp	1.9	\$3,249.48
			6.5	\$11,115.48 Total

Total for Resistivity + Helicopter: \$67,312.98

RAB Drilling:

Placer RAB Drilling on Ida Oro placer Project - Shawn Ryan



Invoice

Overview:			
GroundTruth Exploration drilled 19 Rotary Air Blast drill holes totalling 535 ft with a crew of 4 on the Ida Oro placer project. Drill days were: October 20-26 (7 days). Two weather days were incurred attempting to mobe on October 18- 19th, where the crew drove to Brewery Creek staging and waited for fog to lift. Mobe days were on Oct 20th, 27th and the drill demobilized on November 5/15. One resupply trip with parts/provisions was sent on Oct 25/15. Labour on mobe days is charged out at 75% of field rate and weather days are charged out at 50% of field rate.			
RAB Cost Breakdown:			
Wages:			
	GT Rate	Unit	Total
1 RAB Operator * \$600/day	\$ 600.00	9.25	5,550.00
1 RAB Assistant Driller * \$500	\$ 500.00	9.25	4,625.00
1 Logger/Sampler/ 2nd Drill Assistant * \$450/day	\$ 450.00	9.25	4,162.50
Prep/Camp Asst./Sluicing: \$250/man day	\$ 250.00	16.25	4,062.50
Equipment:			
Track Mounted RAB Drill @ \$1000/day	\$ 1,000.00	6	\$ 6,000.00
300/200 External Compressor w/ up to 400m hose @ \$400/day	\$ 400.00	6	\$ 2,400.00
Truck/Trailer/fuel/driver for Drill at \$125/hr	\$ 125.00	20	\$ 2,500.00
Fuel: 650 litres@ \$1.40/litre (3 drums IN)	\$ 1.40	650	\$ 910.00
Iridium Satellite Phone @ \$35/day	\$ 35.00	9	\$ 315.00
Satellite Internet	\$ 40.00	6	\$ 240.00
Chainsaws * 1 @ \$50/day	\$ 50.00	7	\$ 350.00
Radios 3 * \$5/day	\$ 15.00	7	\$ 105.00
Consumable Supplies/Fuel:			
DTH Hammer, Bits, Rods, Casing, Air hose- wear and tear, + Fluids/Lubricants *\$150/shift	\$ 150.00	6	\$ 900.00
Large Ore Bags for Samples * \$0.60/sample (215 ore bags used)	\$ 0.60	215	\$ 129.00
Camp/Food @ \$85/man day	\$ 85.00	30	\$ 2,550.00
Total Invoice:			34,799.00

Direct Helicopter Expenses:

Trans North Helicopters

Date:	Ticket #:	Description:	Hours:	Cost:
Oct 20/15	60453	Astar D2 - Res demobe, RAB mobe	5	\$8,550.00
Oct 25/15	60454	Astar D2 - RAB resupply, parts (bad wx)	1.5	2565
Oct 27/15	60601	Bell 206- Demobe crew, samples	2.1	2271.78
Nov 5/15	60462	Astar D2 - RAB drill demobe	4	6840
			12.6	\$20,226.78 Total

Total for RAB Drilling + Helicopter: \$55,025.78

Total Expenses: \$122,338.76

Helicopter Invoice scans are included with digital data submission accompanying this report.

9 References

Regional Geology: Gordey, S.P. and Makepeace, A.J. (comp.) 1999: Yukon bedrock geology in Yukon digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada Open File D3826 and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D)

Airborne Geophysics: Lowe, C., Miles, W., and Kung, R. and Makepeace, A.J. 2003: Aeromagnetic data over the Yukon Territory in Yukon digital geology, Version 2.0, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada Open File 1749 and Yukon Geological Survey Open File 2003-9(D)

Regional Stream Geochemistry: Heon, D. (compiler), Yukon Regional Geochemical Database 2003, http://www.geology.gov.yk.ca/databases_gis.html

Yukon Minfile Occurrences: <http://data.geology.gov.yk.ca/>

Yukon Terranes: Colpron, M. and Nelson, J.L., 2011. A Digital Atlas of Terranes for the Northern Cordillera. Accessed online from Yukon Geological Survey (www.geology.gov.yk.ca), September 23, 2011

Mineral Titles: Yukon Mining Recorder, Mining Claims Database – www.yukonminingrecorder.ca

Topographic data: NR Canada, CanVec Topographic Database- www.geogratis.ca

Additional review of various published scientific and reporting papers on the geology and mineral deposits of the region for indirect reference.

10 Qualification

I, Isaac Fage have been president of GroundTruth Exploration in Dawson City since May 2010. I have worked continuously in Mineral Exploration since 2004. I hold an advanced diploma in Remote Sensing from the Centre of Geographic Sciences in Lawrencetown, Nova Scotia.

I have overseen the survey work described in this report on the Ida Oro Placer Project.

Dated this 31st of January, 2016 in Dawson, YT.

Respectfully submitted



Isaac Fage

11 Appendix A: RES Equipment Specifications

SuperSting R1/IP technical specification

Measurement modes	Apparent resistivity, resistance, self potential (SP), induced polarization (IP), battery voltage
Measurement range	+/- 10V
Measuring resolution	Max 30 nV, depends on voltage level
Screen resolution	4 digits in engineering notation
Output current	1mA – 2 A continuous, measured to high accuracy
Output voltage	800 Vp-p, actual electrode voltage depends on transmitted current and ground resistivity
Output power	200 W
Input gain ranging	Automatic, always uses full dynamic range of receiver
Input impedance	>20 M Ω
SP compensation	Automatic cancellation of SP voltages during resistivity measurement. Constant and linearly varying SP cancels completely.
Type of IP measurement	Time domain chargeability (M), six time slots measured and stored in memory
IP current transmission	ON+, OFF, ON-, OFF
IP time cycles	0.5, 1 , 2 , 4 and 8 seconds (combined resistivity/IP mode)
Measure cycles	Running average of measurement displayed after each cycle. Automatic cycle stop when reading errors fall below user set limit or user set max cycles are done.
Resistivity time cycles	Basic measure time is 0.4, 0.8, 1.2, 3.6, 7.2 or 14.4 seconds as selected by user via keyboard, autoranging and commutation adds about 1.4 s.
Signal processing	Continuous averaging after each complete cycle. Noise errors calculated and displayed as percentage of reading. Reading displayed as resistance ($\Delta V/I$) and apparent resistivity (Ωm). Resistivity is calculated using user entered electrode array coordinates.
Noise suppression	Better than 100 dB at $f > 20$ Hz Better than 120 dB at power line frequencies (16 2/3, 20, 50 and 60 Hz) for measure cycles of 1.2 s and above
Total accuracy	Better than 1% of reading in most cases (lab measurements). Field measurement accuracy depends on ground noise and resistivity. Instrument will calculate and display running estimate of measuring accuracy.
System calibration	Calibration is done digitally by the microprocessor based on correction values stored in memory.

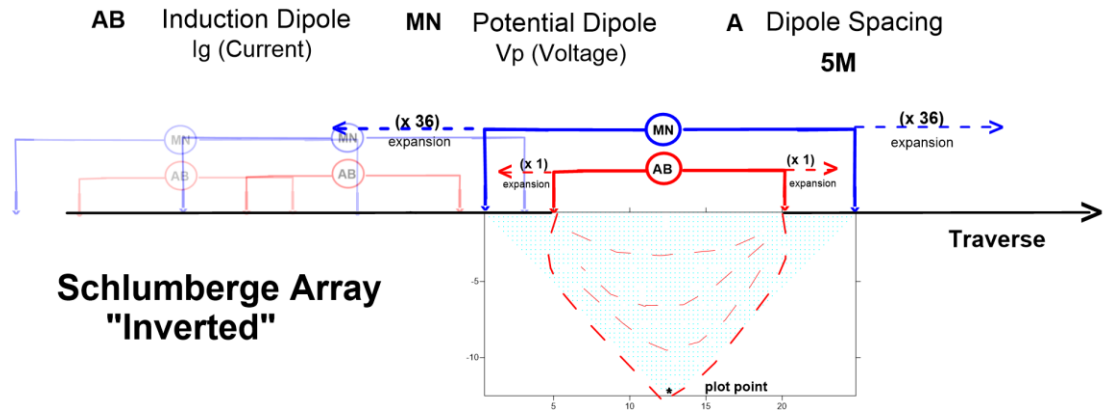
Supported manual	Resistance, Schlumberger, Wenner, dipole-dipole, pole-dipole, pole-pole, SP-absolute, SP-gradient
Operating system	Stored in re-programmable flash memory. New version can be downloaded from our web site and stored in the flash memory.
Data storage	Full resolution reading average and error are stored along with user entered coordinates and time of day for each measurement. Storage is effected automatically in a job oriented file system
Data display	Apparent resistivity (Ohmmeter), injected current (mAmp) and measured voltage (mVolt) are displayed and stored in memory for each measurement
Memory capacity	The memory can store 24,468 measurements in Resistivity Mode and 14,966 measurements in combined Resistivity/IP Mode
Data transmission	RS-232C channel available to dump data from the instrument to a Windows type computer on user command.
Automatic multi-electrodes	The SuperSting is designed to run dipole-dipole, pole-dipole, pole-pole, Wenner and Schlumberger surveys including roll-along surveys completely automatic with the Swift Dual Mode Automatic Multi-electrode system (patent 6,404,203) or with switch box and passive cables. The SuperSting can run any other array by using user programmed command files. These files are ASCII files and can be created using a regular text editor. The command files are downloaded to the SuperSting RAM memory and can at any time be recalled and run. Therefore there is no need for a fragile computer in the field.
Manual measurements	The instrument has four banana pole screws for connecting current and potential electrodes during manual measurments
User controls	20 key tactile, weather proof keyboard with alpha numeric entry keys and function keys. On/off switch. Measure button. LCD night light switch (push to light).
Display	Graphics LCD display (16 lines x 30 characters) with night light.
Power supply, field	12V or 2x12 V DC external power (one or two 12 V batteries), connector on front panel.
Power supply, office	DC power supply
Operating time	Depends on survey conditions and size of battery used. Internal circuitry in auto mode adjusts current to save energy
Operating temperature	-5 to +50°C
Weight	10.9 kg (24 lb.)

12 Appendix C: RES/IP Survey Theory

Inverse Schlumberger Array setup and survey:

Set-up

Once a designated traverse is located, 84 electrodes are put into the ground pre extending 6 x cables of 14 connections amounting to a **249M Traverse**. The **Supersting** Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned.

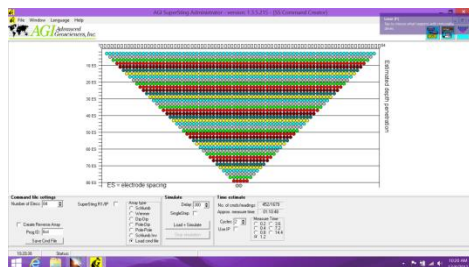


geometry

Symmetric, vertical sounding technique is reliable delineating axis of zones. Termed inverted because the original design of the Schlumberger has inducing current electrodes outside potential electrodes. Also very useful isolating narrow, weak zones.

Set-up

Once a designated traverse is located, 84 electrodes are put into the ground by extending 6 x cables each with 14 connections amounting to a **249M Traverse**. The **Supersting** Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned.



The Inverse Schlumberger Array command file is loaded in the Supersting performing:

1679 sample points, with an estimated 80:48min lapse-time, Maximum n kept at 8 (for best Signal/Noise), and Maximum dipoles of 26.



REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 668-2177 - Fax: (867) 668-3420
www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60442		
INVOICE DATE	08	10	15
A/C TYPE	AS350		
AIRCRAFT REGISTRATION C	CFHQ		
FLIGHT DATE	0	1	1015
PURCHASE ORDER NO.			

CHARTERER

SHAWN RYAN

BILLING ADDRESS

FUEL & OIL-X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA CUST.	JET A		JA

HOOK INSURANCE	DECLINED	<input type="checkbox"/>	INT	
VALUE	ACCEPTED	<input type="checkbox"/>		

TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50c PER LB.

FROM	UP	DOWN	HOURS	REMARKS NO. OF PASS
DAWSON				
AUSSIE CRK	1010	1041	0.5	4 PAX, 1P
AUSSIE CRK	1055	1058	0.1	2 PAX, 1P
TINTINA	1138	1150	0.2	1/4 2 PAX
AUSSIE CRK, IDAORO	1240	1304	0.4	2 PAX, DRONE
AUSSIE CRK	1549	1559	0.2	2 PAX
TINTINA, AUSSIE	1619	1649	0.5	1/2 2 PAX
DAWSON	1745	1813	0.5	4 PAX, 1P
			1P	AUS

SUB	G.L.	AMOUNT	D.G. TRANSPORTED			
1816	502	3600.00	<input type="checkbox"/>	2.4 @	1500.00	3600.00
1800	131	504.00		@		
0000	323	205.20				

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X	CHARTERER'S SIGNATURE	
	CHARTERER'S NAME (PRINTED)	Chad Cote
INITIALS	PILOT'S SIGNATURE	
VJE	ENGINEER'S NAME	
SHIPPING NAME & QTY.	CLASS	UN #
		PACKING GR.
SUB TOTAL		4104.00
GOODS & SERVICES TAX		
REGISTRATION NO. R121483135		205.20
TOTAL		\$ 4309.20

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE
 CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.

TRUCK NO. **4304 20** PLATE NO. **2** DATE **06/04/20**

SUB TOTAL **4104.00** MEALS & LODGINGS OTHER OTHER REGISTRATION NO. **4304 20** GOODS & SERVICES TAX

OTHER OTHER MEALS & LODGINGS FUEL FUEL HOLDING TIME TRANSFERRED **1800131** **24.00**

TERMS PAYABLE UPON RECEIPT OF INVOICE **0000323** **450.75** **1.50** **204.00**

DATE	TIME	FROM	TO	REMARKS
17/2	1813	4	19	Down
18/1	1619	2	4	Up, Aussie
18/1	1259	2	4	Up, Aussie
11/8	1150	2	4	Up, Aussie
10/2	1028	2	4	Up, Aussie
10/1	1041	2	4	Up, Aussie

VALUE **19** ACCEPTED DECLINED THIS TARIFF LIMITS THAT TATA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 80¢ PER LB.

PURCHASE ORDER NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

BILLING ADDRESS TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE

TRANSFER FROM TO INVOICE NO. DATE MONTH YEAR DAY FLIGHT MC TYPE INVOICE DATE



REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 668-2177 - Fax: (867) 668-3420
www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60444		
INVOICE DATE	08	10	15
A/C TYPE	AS350	CFHQ	
FLIGHT DATE	04	10	15
PURCHASE ORDER NO.			

CHARTERER
SHAWN RYAN

BILLING ADDRESS

FUEL & OIL-X TNTA / CUST.	TNTA FUEL USED JET A	HRS./LITRES 2.2	FROM DA
------------------------------	--------------------------------	---------------------------	-------------------

HOOK INSURANCE	DECLINED <input type="checkbox"/> INT _____	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.
VALUE _____	ACCEPTED <input type="checkbox"/>	

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
DAWSON					
TO IDA GRO	1250	1321	0.5	5 PAK + CLEAR	
TINTINA x 2, IDA GRO		1609	1.7	1.P. CLEAR, TENTS	
DAWSON					

Fold Place Resistivity MORE

SUB	G.L.	AMOUNT	D.G. TRANSPORTED			
1816	502	3300.00	<input type="checkbox"/>	2.2 @	1500.00	3300.00
1800	131	462.00		@		
0000	323	188.10				

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *[Signature]*
CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS *VJE* *[Signature]*
PILOT'S SIGNATURE

ENGINEER'S NAME

HOLDING TIME:	@	/ HR.	
FUEL	385 LT @	1.20 / LITRE	462.00
FUEL	@	/ LITRE	
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL			3762.00
GOODS & SERVICES TAX REGISTRATION NO. R121483135			188.10
TOTAL	\$		3950.10

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

THIS IS YOUR ONLY INVOICE - YOU MUST RECEIVE IT
 BEFORE YOU MOVE TO YOUR NEW HOME. IT MUST BE SENT TO THE
 OFFICE OF THE DISTRICT CLERK OF THE DISTRICT OF COLUMBIA.

<p>REGISTRATION NO. 133-100100</p> <p>GOODS & SERVICES TAX</p> <p>SUB TOTAL 2150.00</p> <p>OTHER</p> <p>OTHER</p> <p>TOTAL TAX</p> <p>DATE: 3/27/71</p> <p>AMOUNT: 130.00</p> <p>DATE: 4/23/71</p> <p>AMOUNT: 3300.00</p> <p>DATE: 5/5/71</p> <p>AMOUNT: 3300.00</p>	<p>REGISTRATION NO. 133-100100</p> <p>GOODS & SERVICES TAX</p> <p>SUB TOTAL 2150.00</p> <p>OTHER</p> <p>OTHER</p> <p>TOTAL TAX</p> <p>DATE: 3/27/71</p> <p>AMOUNT: 130.00</p> <p>DATE: 4/23/71</p> <p>AMOUNT: 3300.00</p> <p>DATE: 5/5/71</p> <p>AMOUNT: 3300.00</p>
---	---

WORK
 AREA
 133-100100

<p>DATE: 3/27/71</p> <p>AMOUNT: 130.00</p> <p>DATE: 4/23/71</p> <p>AMOUNT: 3300.00</p>	<p>DATE: 3/27/71</p> <p>AMOUNT: 130.00</p> <p>DATE: 4/23/71</p> <p>AMOUNT: 3300.00</p>
--	--

<p>DATE: 3/27/71</p> <p>AMOUNT: 130.00</p> <p>DATE: 4/23/71</p> <p>AMOUNT: 3300.00</p>	<p>DATE: 3/27/71</p> <p>AMOUNT: 130.00</p> <p>DATE: 4/23/71</p> <p>AMOUNT: 3300.00</p>
--	--



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH TURBO AIR LTD.
 P.O. Box 8, 115 Range Rd.
 Whitehorse, Yukon Canada Y1A 5X9
 Tel: (867) 668-2177 - Fax: (867) 668-3420
 www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60451		
INVOICE DATE			AREA
20 10 15			B.C. YUKON NWT ALTA
A/C TYPE		AIRCRAFT REGISTRATION C	
A5350		GFHQ	
FLIGHT DATE	DAY	MONTH	YEAR
	14	10	15
PURCHASE ORDER NO.			

CHARTERER
 Shawn Ryan.
 BILLING ADDRESS

FUEL & OIL-X TNTA CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓	Jet A	332.9	YDA

HOOK INSURANCE	DECLINED <input checked="" type="checkbox"/> INT	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.
VALUE	ACCEPTED <input type="checkbox"/>	

FROM	UP	DOWN	HOURS	REMARKS NO. OF PASS
YDA				
TO IDA camp	1434	1528	0.9	1x Int (Bad wx)
YDA	1552	1653	1.0	3x Ext 2x INT (Bad wx)
<p><i>Returned behind King Solomon down Bonanza</i></p> <p>IP Move IDP</p> <p><i>(Fog enroute both ways)</i></p>				

SUB	G.L.	AMOUNT	D.G. TRANSPORTED		
1816	502	2850.00	<input type="checkbox"/>	1.9 @ 1500.00	2850.00
1800	131	399.48		@	
0000	323	162.47			
TERMS: PAYABLE UPON RECEIPT OF INVOICE.			HOLDING TIME: @ / HR.		
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.			FUEL 332.9 @ 1.20 / LITRE 399.48		
			FUEL @ / LITRE		

CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS: GWK
 PILOTS SIGNATURE
 ENGINEER'S NAME

SHIPPING NAME & QTY.	CLASS	UN #	PACKING GR.	TOTAL \$	3411.95
----------------------	-------	------	-------------	----------	---------

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 668-2177 - Fax: (867) 668-3420
www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60453		
INVOICE DATE			
31 10 15			AREA B.C. YUKON NWT ALTA
A/C TYPE		AIRCRAFT REGISTRATION C	
AS350		GFHQ	
FLIGHT DATE	DAY	MONTH	YEAR
	20	10	15
PURCHASE ORDER NO.			

CHARTERER

Shawn Ryan

BILLING ADDRESS

FUEL & OIL-X TNTA CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓	JET A	875 Ltr	YDA

HOOK INSURANCE	DECLINED	<input checked="" type="checkbox"/> INT	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.
VALUE	ACCEPTED	<input type="checkbox"/>	

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
YDA					
TO IDA	1140	1212	0.5	INT load.	
Brewery CK - Camp	1225	1355	1.5	2EXT in + 2EXT OUT	
"	1410	1438	0.5	1EXT + Reposition 1x EXT	
"	1446	1503	0.3	1EXT	
"	1509	1535	0.3	1EXT	
"	1542	1610	0.5	1EXT + Reposition 2x EXT	
"	1618	1648	0.5	1EXT + Reposition 1x Ext	
Brewery CK - Camp - Dawson	1700	1755	0.9	1x INT in + 1x INT out. From lower Camp.	

SUB	G.L.	AMOUNT	D.G. TRANSPORTED	HOLDING TIME:	FUEL	MEALS & LODGINGS	OTHER
1816	502	7500.00	<input type="checkbox"/>		875 @ 120 / LITRE		
1800	131	1050.00			5.0 @ 1500.00 / LITRE		
0000	323	427.50					

TERMS: PAYABLE UPON RECEIPT OF INVOICE.

2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X 
CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS G.W. 
PILOTS SIGNATURE

ENGINEER'S NAME

G.K.W.

SHIPPING NAME & QTY.

CLASS

UN #

PACKING GR.

TOTAL \$ 8977.50

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
 P.O. Box 8, 115 Range Rd.
 Whitehorse, Yukon Canada Y1A 5X9
 Tel: (867) 668-2177 - Fax: (867) 668-3420
 www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60454		
INVOICE DATE	31	10	15
A/C TYPE	AS350	AIRCRAFT REGISTRATION C	GFHQ
FLIGHT DATE	25	10	15
PURCHASE ORDER NO.			

CHARTERER Shawn Ryan

BILLING ADDRESS _____

FUEL & OIL-X TNTA CUST.	TNTA FUEL USED	HRS./LITRES	FROM
<input checked="" type="checkbox"/>	JETA		40A

HOOK INSURANCE	DECLINED <input checked="" type="checkbox"/>	INT <input type="checkbox"/>	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50c PER LB.
VALUE _____	ACCEPTED <input type="checkbox"/>		

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
Dawson					
TO IDA Camp	0943	1020	0.6	+ 1x Ext load	(Bad wx)
Drill move	1129	1152	0.4		(Bad wx)
Dawson	1217	1245	0.5		(Bad wx)

SUB	G.L.	AMOUNT	D.G. TRANSPORTED			
18	19	502	<input type="checkbox"/>	@		
18	00	131		1.5 @	1500.00	2250 00
00	00	323		FUEL	262.5 @ 1.20 / LITRE	315 00

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____
 CHARTERER'S SIGNATURE

Chad Cote
 CHARTERER'S NAME (PRINTED)

INITIALS G-KW
 PILOTS SIGNATURE

ENGINEER'S NAME _____

HOLDING TIME: @ / HR.

MEALS & LODGINGS

OTHER

OTHER

SUB TOTAL 2565 00

GOODS & SERVICES TAX
 REGISTRATION NO. R121483135 128 25

SHIPPING NAME & QTY:	CLASS	UN #	PACKING GR.	TOTAL \$ 2693 25
----------------------	-------	------	-------------	------------------

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH TURBO AIR LTD.
 P.O. Box 8, 115 Range Rd.
 Whitehorse, Yukon Canada Y1A 5X9
 Tel: (867) 668-2177 - Fax: (867) 668-3420
 www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60601		
INVOICE DATE	31	10	15
A/C TYPE	B206	AIRCRAFT REGISTRATION C LTNY	
FLIGHT DATE	27	10	15
PURCHASE ORDER NO.			

CHARTERER
 SHAWN RYAN
 BILLING ADDRESS

FUEL & OIL-X TNTA FUEL USED HRS./LITRES FROM
 TNTA CUST. JETA 2.1 CYAM

HOOK INSURANCE DECLINED INT _____ TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.
 VALUE _____ ACCEPTED

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
DAWSON					
IDA ORO	1348	1423	0.6		
BREWERY CK	1438	1451	0.2	2 Pax & Gear #DOG	
IDA ORO	1453	1503	0.2		
BREWERY CK	1515	1536	0.4	1x Sling Load	
IDA ORO	1548	1558	0.2		
DAWSON	1602	1631	0.5	2 Pax & Gear #DOG	

RAB
 Crew/SAMPLES

SUB	G.L.	AMOUNT	D.G. TRANSPORTED			
1825	502	1984	50	2.1 @	945.00	1984 50
1800	131	287	28	@		
0000	323	113	59			

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
 IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE
 _____ CHARTERER'S NAME (PRINTED)
 INITIALS NSF PILOTS SIGNATURE
 ENGINEER'S NAME

HOLDING TIME: @ / HR.
 FUEL 239.4LT @ 1.20 / LITRE 287 28
 FUEL @ / LITRE
 MEALS & LODGINGS
 OTHER
 OTHER
 SUB TOTAL 2271 78
 GOODS & SERVICES TAX REGISTRATION NO. R121483135 113 59

SHIPPING NAME & QTY.	CLASS	UN #	PACKING GR.	TOTAL \$ 2385 37
----------------------	-------	------	-------------	------------------

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
 P.O. Box 8, 115 Range Rd.
 Whitehorse, Yukon Canada Y1A 5X9
 Tel: (867) 668-2177 - Fax: (867) 668-3420
 www.tntaheli.com

ACCOUNT NUMBER	SHAWRYA		
INVOICE NUMBER	60462		
INVOICE DATE	10	11	15
A/C TYPE	350	G F H CR	
FLIGHT DATE	05	11	15
PURCHASE ORDER NO.			

CHARTERER

Shawn Ryan

BILLING ADDRESS

FUEL & OIL-X TNTA CUST.	TNTA FUEL USED	HRS./LITRES	FROM
/	JETA	700	YDA

HOOK INSURANCE DECLINED INT _____
 VALUE _____ ACCEPTED

TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
YDA					
TO IDA	1000	1036	0.6	3pax	
IDA ↔ Braury	1200	1500	3.0	6x slings + 5x Bumps in camp.	
YDA	1536	1600	0.4	3pax	

(Handwritten in blue circle)
 YDA
 IDP
 RAB
 Demote

SUB	G.L.	AMOUNT	D.G. TRANSPORTED		
1816	502	6000.00	<input type="checkbox"/>	4.0 @ 1500.00	6000.00
1800	131	840.00		@	
0000	323	34200		FUEL 700 @ 1.70 / LITRE	840.00

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
 IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *(Signature)*
 CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)
 INITIALS: GKW
(Signature)
 PILOTS SIGNATURE
 ENGINEER'S NAME

OTHER	
OTHER	
SUB TOTAL	6840.00
GOODS & SERVICES TAX REGISTRATION NO. R121483135	3420.00

SHIPPING NAME & QTY.	CLASS	UN #	PACKING GR.	TOTAL \$ 7182.00
----------------------	-------	------	-------------	------------------

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



Box 70, Dawson, YT Y0B 1G0
 Phone (867) 993-5612
 Fax: (867) 993-5617

Invoice

Date	Invoice #
2015-12-31	GT-IDP2015-01

Invoice To:

Shawn Ryan
 40 Drift Drive
 Whitehorse, YT

Description	Amount
<p>DC Resistivity Survey on Ida Oro Placer Project 24 Profiles surveyed between October 1 - 20, 2015 (see attached breakdown)</p>	\$56,197.50

GST # 881084268

Make all cheques payable to:
Ground Truth Exploration Inc.

Thank you for your business!

Subtotal	\$56,197.50
GST 5%	\$2,809.88
Total Due	\$59,007.38

DC Resistivity Surveys on Ida Oro placer Project - Shawn Ryan



Invoice

Overview:			
GroundTruth Exploration surveyed 24 DC Resistivity profiles with a crew of 5 on the Ida Oro placer project in October 2015. Survey days were: October 1, 5-18 (15 days). One weather day was incurred on October 19th. Mobe days were on Oct 4th and 20th. Labour on mobe days is charged out at 75% of field rate and weather days are charged out at 50% of field rate. The crew flew by helicopter on the October 1st survey. They mobed into camp on Oct 4, staging from Tintina Gravel pit. The crew was resupplied and moved camp location on October 14/15.			
DC Resistivity Cost Breakdown:			
Wages:	Rate	Unit	Total
1 Geophysical Operator * \$450/day	\$ 450.00	17	\$7,650.00
Field Assistants * \$350/day	\$ 350.00	68	\$23,800.00
Packing & Prep, Resupply, Unpacking	\$ 250.00	5.5	\$1,375.00
Food/Camp:			
Food: Crew of 5 * \$50/day	\$ 50.00	80	\$4,000.00
Camp: Crew of 5 * \$35/day	\$ 35.00	80	\$2,800.00
Data Management and Processing Services			
Planning, Daily Data Processing, interp, email to client, finals and report @ \$60/hr	\$ 60.00	30	\$1,800.00
Survey Equipment/Vehicle:			
IP/Resistivity Meter: Supersting 8 Channel meter w/cables, electrodes	\$ 600.00	15	\$9,000.00
Precision GPS: Ashtech Promark 100 differential GPS	\$ 50.00	15	\$750.00
Laptop w/Inversion software for nightly dowload and review @ \$50/day	\$ 50.00	15	\$750.00
Iridium Sat Phone @ \$35/day	\$ 35.00	15	\$525.00
Satellite Internet @ \$40/day	\$ 40.00	14	\$560.00
Chainsaw 2* \$50/day (gas/oil incl.)	\$ 50.00	30	\$1,500.00
VHF Radios/GPS: 5 * \$5/day	\$ 5.00	75	\$375.00
Truck @ \$75/hour (mobe, resupply, demobe)	\$ 75.00	9.5	\$712.50
Consumable Supplies:			
Stainless Electrodes: wear & tear- 2 per profile, \$6 ea *24 profiles	\$ 12.00	24	\$288.00
Calcium Chloride: 4kg per profile, \$2/kg *24 profiles	\$ 8.00	24	\$192.00
Spray paint: 1/2 can per profile, \$10/can *24 profiles	\$ 5.00	24	\$120.00
Total Invoice:			\$56,197.50



Box 70, Dawson, YT Y0B 1G0

Phone (867) 993-5612

Fax: (867) 993-5617

Invoice

Date	Invoice #
2015-12-31	GT-IDP2015-02

Invoice To:

Shawn Ryan
 40 Drift Drive
 Whitehorse, YT

Description	Amount
RAB Drilling on Ida Oro Placer Project 19 Drill holes between October 20-27, 2015 (see attached breakdown)	\$34,799.00

GST # 881084268

Make all cheques payable to:
Ground Truth Exploration Inc.

Thank you for your business!

Subtotal	\$34,799.00
GST 5%	\$1,739.95
Total Due	\$36,538.95

Placer RAB Drilling on Ida Oro placer Project - Shawn Ryan



Invoice

Overview:			
GroundTruth Exploration drilled 19 Rotary Air Blast drill holes totalling 535 ft with a crew of 4 on the Ida Oro placer project. Drill days were: October 20-26 (7 days). Two weather days were incurred attempting to mobe on October 18- 19th, where the crew drove to Brewery Creek staging and waited for fog to lift. Mobe days were on Oct 20th, 27th and the drill demobilized on November 5/15. One resupply trip with parts/provisions was sent on Oct 25/15. Labour on mobe days is charged out at 75% of field rate and weather days are charged out at 50% of field rate.			
RAB Cost Breakdown:			
Wages:	GT Rate	Unit	Total
1 RAB Operator * \$600/day	\$ 600.00	9.25	5,550.00
1 RAB Assistant Driller * \$500	\$ 500.00	9.25	4,625.00
1 Logger/Sampler/ 2nd Drill Assistant * \$450/day	\$ 450.00	9.25	4,162.50
Prep/Camp Asst./Sluicing: \$250/man day	\$ 250.00	16.25	4,062.50
Equipment:			
Track Mounted RAB Drill @ \$1000/day	\$ 1,000.00	6	\$ 6,000.00
300/200 External Compressor w/ up to 400m hose @ \$400/day	\$ 400.00	6	\$ 2,400.00
Truck/Trailer/fuel/driver for Drill at \$125/hr	\$ 125.00	20	\$ 2,500.00
Fuel: 650 litres@ \$1.40/litre (3 drums IN)	\$ 1.40	650	\$ 910.00
Iridium Satellite Phone @ \$35/day	\$ 35.00	9	\$ 315.00
Satellite Internet	\$ 40.00	6	\$ 240.00
Chainsaws * 1 @ \$50/day	\$ 50.00	7	\$ 350.00
Radios 3 * \$5/day	\$ 15.00	7	\$ 105.00
Consumable Supplies/Fuel:			
DTH Hammer, Bits, Rods, Casing, Air hose- wear and tear, + Fluids/Lubricants *\$150/shift	\$ 150.00	6	\$ 900.00
Large Ore Bags for Samples * \$0.60/sample (215 ore bags used)	\$ 0.60	215	\$ 129.00
Camp/Food @ \$85/man day	\$ 85.00	30	\$ 2,550.00
Total Invoice:			34,799.00

DC Resistivity Surveys on Ida Oro placer Project - Shawn Ryan



Invoice

Overview:

GroundTruth Exploration surveyed 24 DC Resistivity profiles with a crew of 5 on the Ida Oro placer project in October 2015. Survey days were: October 1, 5-18 (15 days). One weather day was incurred on October 19th. Mobe days were on Oct 4th and 20th. Labour on mobe days is charged out at 75% of field rate and weather days are charged out at 50% of field rate. The crew flew by helicopter on the October 1st survey. They mobed into camp on Oct 4, staging from Tintina Gravel pit. The crew was resupplied and moved camp location on October 14/15.

DC Resistivity Cost Breakdown:

Wages:	Rate	Unit	Total
1 Geophysical Operator * \$450/day	\$ 450.00	17	\$7,650.00
Field Assistants * \$350/day	\$ 350.00	68	\$23,800.00
Packing & Prep	\$ 250.00	5.5	\$1,375.00
Food/Camp:			
Food: Crew of 5 * \$50/day	\$ 50.00	80	\$4,000.00
Camp: Crew of 5 * \$35/day	\$ 35.00	80	\$2,800.00
Data Management and Processing Services			
Planning, Daily Data Processing, interp, email to client, finals and report @ \$60/hr	\$ 60.00	30	\$1,800.00
Survey Equipment/Vehicle:			
IP/Resistivity Meter: Supersting 8 Channel meter w/cables, electrodes	\$ 600.00	15	\$9,000.00
Precision GPS: Ashtech Promark 100 differential GPS	\$ 50.00	15	\$750.00
Laptop w/Inversion software for nightly dowload and review @ \$50/day	\$ 50.00	15	\$750.00
Iridium Sat Phone @ \$35/day	\$ 35.00	15	\$525.00
Satellite Internet @ \$40/day	\$ 40.00	14	\$560.00
Chainsaw 2* \$50/day (gas/oil incl.)	\$ 50.00	30	\$1,500.00
VHF Radios/GPS: 5 * \$5/day	\$ 5.00	75	\$375.00
Truck @ \$75/hour (mobe, resupply, demobe)	\$ 75.00	9.5	\$712.50
Consumable Supplies:			
Stainless Electrodes: wear & tear- 2 per profile, \$6 ea *24 profiles	\$ 12.00	24	\$288.00
Calcium Chloride: 4kg per profile, \$2/kg *24 profiles	\$ 8.00	24	\$192.00
Spray paint: 1/2 can per profile, \$10/can *24 profiles	\$ 5.00	24	\$120.00
Total Invoice:			\$56,197.50

Direct Helicopter Expenses:

Trans North Helicopters

Date:	Ticket #:	Description:	Hours:	Cost:
Oct 1/15	60442	Astar D2 - 1day Res, Drone	2.4	\$4,104.00
Oct 4/15	60444	Astar D2 - mobe crew to Ida Camp	2.2	\$3,762.00
Oct 14/15	60451	Astar D2- resupply crew, move camp	1.9	\$3,249.48
			6.5	\$11,115.48 Total

Placer RAB Drilling on Ida Oro placer Project - Shawn Ryan



Invoice

Overview:

GroundTruth Exploration drilled 19 Rotary Air Blast drill holes totalling 535 ft with a crew of 4 on the Ida Oro placer project. Drill days were: October 20-26 (7 days). Two weather days were incurred attempting to mobe on October 18- 19th, where the crew drove to Brewery Creek staging and waited for fog to lift. Mobe days were on Oct 20th, 27th and the drill demobilized on November 5/15. One resupply trip with parts/provisions was sent on Oct 25/15. Labour on mobe days is charged out at 75% of field rate and weather days are charged out at 50% of field rate.

RAB Cost Breakdown:

Wages:	GT Rate	Unit	Total
1 RAB Operator * \$600/day	\$ 600.00	9.25	5,550.00
1 RAB Assistant Driller * \$500	\$ 500.00	9.25	4,625.00
1 Logger/Sampler/ 2nd Drill Assistant * \$450/day	\$ 450.00	9.25	4,162.50
Prep/Camp Asst./Sluicing: \$250/man day	\$ 250.00	16.25	4,062.50
Equipment:			
Track Mounted RAB Drill @ \$1000/day	\$ 1,000.00	6	\$ 6,000.00
300/200 External Compressor w/ up to 400m hose @ \$400/day	\$ 400.00	6	\$ 2,400.00
Truck/Trailer/fuel/driver for Drill at \$125/hr	\$ 125.00	20	\$ 2,500.00
Fuel: 650 litres@ \$1.40/litre (3 drums IN)	\$ 1.40	650	\$ 910.00
Iridium Satellite Phone @ \$35/day	\$ 35.00	9	\$ 315.00
Satellite Internet	\$ 40.00	6	\$ 240.00
Chainsaws * 1 @ \$50/day	\$ 50.00	7	\$ 350.00
Radios 3 * \$5/day	\$ 15.00	7	\$ 105.00
Consumable Supplies/Fuel:			
DTH Hammer, Bits, Rods, Casing, Air hose- wear and tear, + Fluids/Lubricants *\$150/shift	\$ 150.00	6	\$ 900.00
Large Ore Bags for Samples * \$0.60/sample (215 ore bags used)	\$ 0.60	215	\$ 129.00
Camp/Food @ \$85/man day	\$ 85.00	30	\$ 2,550.00
Total Invoice:			34,799.00

Direct Helicopter Expenses:

Trans North Helicopters

Date:	Ticket #:	Description:	Hours:	Cost:
Oct 20/15	60453	Astar D2 - Res demobe, RAB mobe	5	\$8,550.00
Oct 25/15	60454	Astar D2 - RAB resupply, parts (bad wx)	1.5	2565
Oct 27/15	60601	Bell 206- Demobe crew, samples	2.1	2271.78
Nov 5/15	60462	Astar D2 - RAB drill demobe	4	6840
			12.6	\$20,226.78 Total