

# **Geophysical and Drilling Report**

## **Yukon Mineral Exploration Program (YMEP) 21-031**

### **Sunshine - Isaac Creek Placer Property**

Whitehorse Mining District

NTS: 115J/15 & 115J/16

Latitude: 62° 47.24' N Longitude: 138° 30.60' W

#### Claim List:

Isaac 1-52, P 511027 - P 511078  
Isaac 53-84, P 527319 – P 527350  
Sun 1-32, P 511079 – P 511110  
Sun 33-64, P 527287 – P 527318

#### Work Performed:

DC Resistivity Survey:	June 17-18, 2021
Staking:	July 28-29, 2021
RAB Drilling:	August 8-29, 2021

Prepared for Wildwood Exploration Inc.

Written by: Isaac Fage

January 29, 2022



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## 1 Introduction

The Sunshine-Isaac Creek Placer Property is on 148 placer creek claims, proceeding upstream from the confluence of Isaac Creek and the Yukon River. The property covers the first 8 miles of Isaac Creek and 6 miles of its right limit tributary, Sunshine Creek. Economic placer mining production on the adjacent drainages of Britannia Creek and Hayes Creek validate the placer potential of Sunshine-Isaac Creek. Additionally, there are many hard rock gold occurrences and regionally significant gold-in-soil anomalies within the Sunshine-Isaac Creek drainage system on the overlapping Betty Property including the Betty White and Mascot zones which demonstrate evidence of source gold mineralization within the Sunshine-Isaac Creek drainage system. Evidence of historic placer stripping is visible around the junction of Sunshine and Isaac Creek which would have been done prior to the discovery of the hardrock gold systems from 2010-2021.

GroundTruth Exploration Inc. was hired to conduct placer exploration program in 2021 that comprised of:

- 1) DC Resistivity Surveys consisting of 2 cross creek profiles to interpret overburden thickness and depth to bedrock on June 17-18/21.
- 2) Staking of two leases on the property into 64 claims on July 28-29/21.
- 3) A RAB drilling program was conducted on the claims totaling 71 drill holes/1,870 feet drilled on August 8-29/21 to test for economic gold.

## 2 Previous Investigations

Previous investigations on the Sunshine Isaac for placer exploration include DC Resistivity, GPR and UAV surveys between 2014-2020 by GroundTruth Exploration Inc. In 2018, a RAB drill program was conducted in the area of the junction of Sunshine and Isaac Creeks totaling 19 drill holes / 375 feet. Prior to that, evidence of stripping is visible in the creek junction area, with results of testing unknown at this time.

## 3 Location and Access

The Sunshine-Isaac property is located approximately 145 km South of Dawson City, flowing directly into the Yukon River. The property is accessible by helicopter year-round from the Casino airstrip located 8 kilometers to the southwest. The property can also be accessed by snowmobile in the winter via the Yukon River.

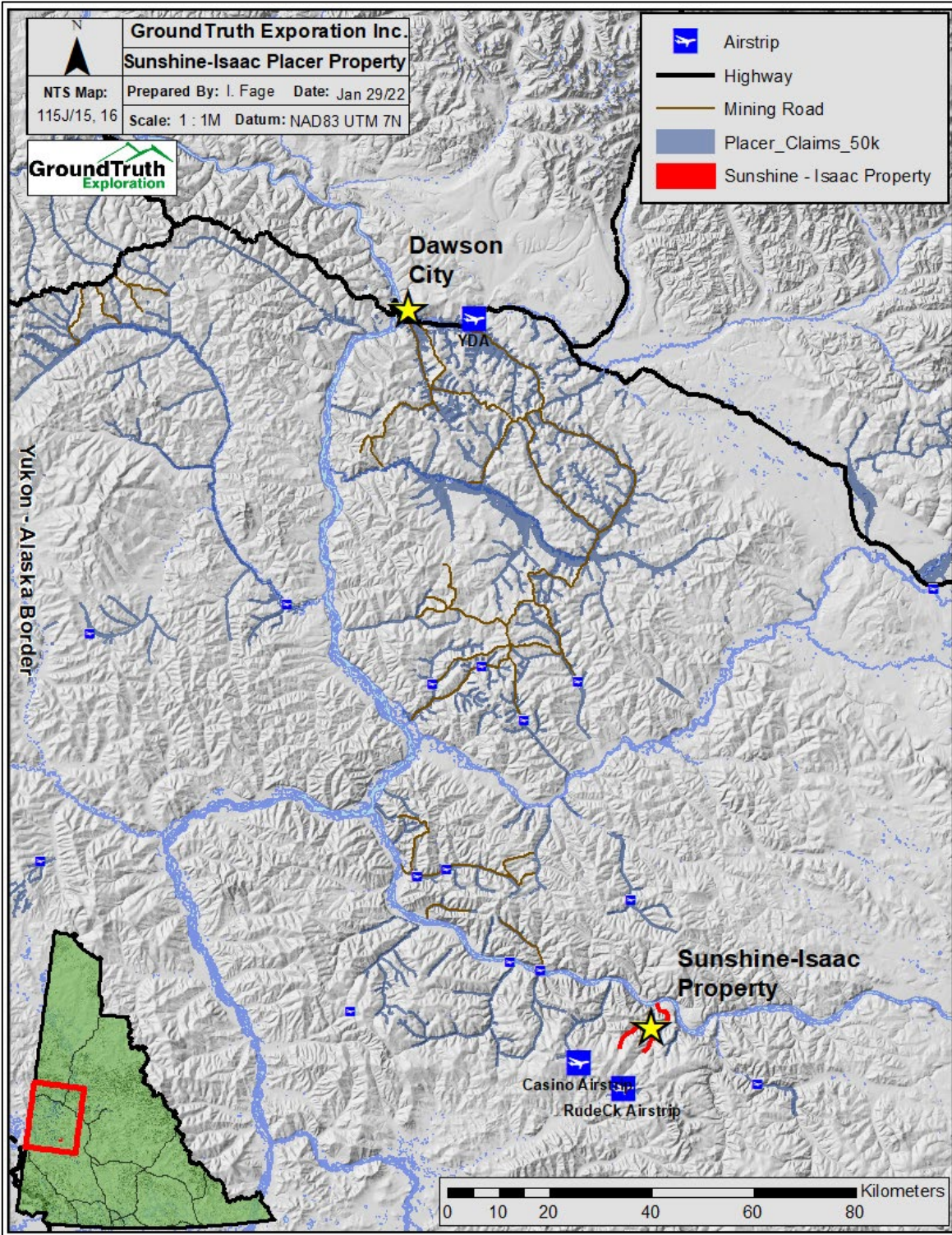


Figure 1: Sunshine-Isaac Property Location Map

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## 5 Geology

### 5.1 Regional Geology

Sunshine Creek is situated in the Yukon-Tanana Terrane (YTT). The YTT is a late Devonian to middle Mississippian continental magmatic arc extending from northern British Columbia into west-central Yukon and eastern Alaska and is bounded to the northeast by the Tintina fault and to the south-west by the Denali fault (Colpron et al., 2006).

The YTT is composed of four main assemblages including the Snowcap, Finlayson, Klondike and Klinkit (Colpron et al. 2006) intruded by the Dawson Range batholith (phase of the Whitehorse Suite), Prospector Mountain plutonic suite and Casino plutonic suites (Mortensen et al., 2010).

The Snowcap assemblage (PDS1) forms the base of the YTT consisting of quartzite, psammite, pelite and marble with minor greenstone and amphibolite. The Finlayson assemblage (DMF1) is composed of amphibolite, garnet amphibolite and schist. The Klondike assemblage (PK1, PK2) consists of muscovite-chlorite quartz phyllite, quartz-muscovite-chlorite schist, micaceous quartzite, psammite, phyllonite and schist. The Whitehorse Suite (mKqW, mKgW), a phase of the Dawson Range Batholith, consists of biotite quartz monzonite, biotite granite, leucogranite, monzogranite, granodiorite, diorite, granite and tonalite (Ryan et al., 2013). The Klinkit (CK1) is composed of mafic to intermediate metavolcaniclastic and metavolcanics rocks, with minor limestone and conglomerate (Colpron et al., 2006; Roots et al, 2004).

### 5.2 Property Geology

Sunshine Creek, located in the Yukon-Tanana Terrane, is underlain by Devonian metamorphic rocks of the Snowcap Assemblage (PDS1) and Cretaceous plutonic rocks of the Whitehorse Suite (mKgW). PDS1 consists of quartzite, psammite, pelite and marble; minor greenstone and amphibolite, and schist. mKgW consists of biotite-hornblende granodiorite, hornblende quartz diorite, hornblende diorite, tonalite and granite. The east-west trending strike slip Coffee Creek fault falls to the north of the placer property and the north-south trending Dip Creek fault falls to the east of the property. The properties geology is presented in Figure 2 (Ryan et al., 2013).



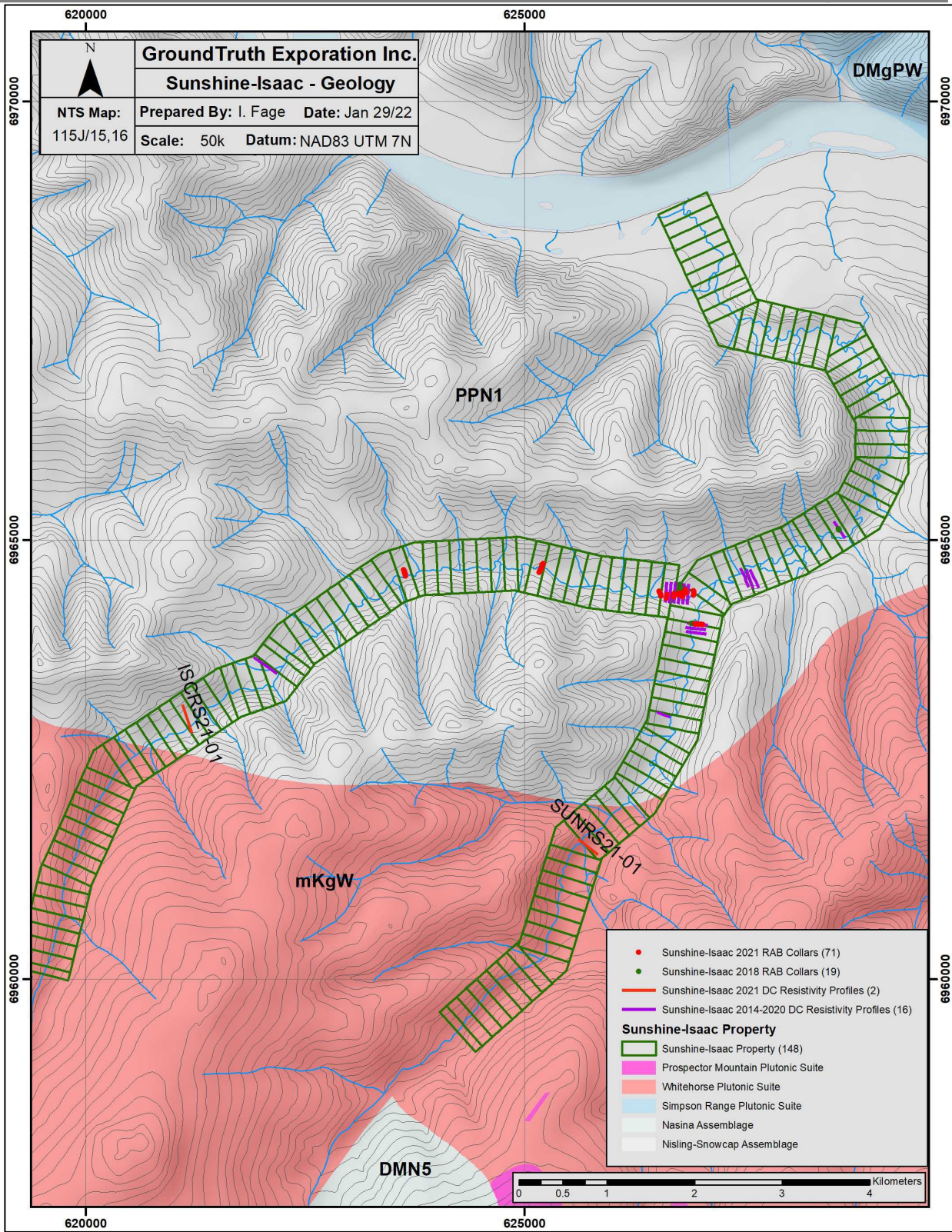


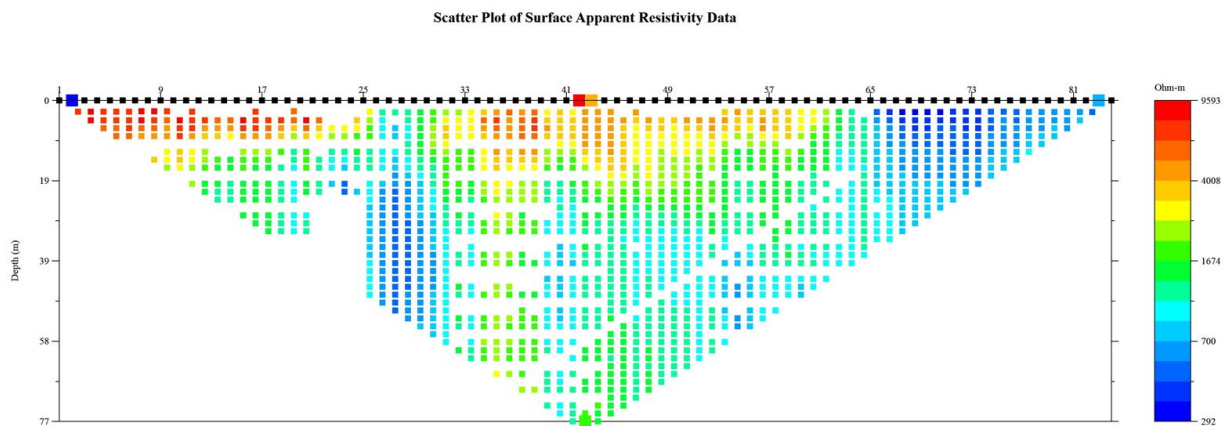
Figure 2: Twenty Mile Creek Geology Map

## 6 DC Resistivity and Induced Polarization Survey

### 6.1 Work Performed

The DC Resistivity and Induced Polarization (RES/IP) surveys were conducted on June 17-18, 2021 on the upper leases IW00679 and IW00680. The goal of these surveys is to delineate the bedrock contact and interpret muck/gravel horizon thickness within the overburden.

A total of two traverses were completed on the Sunshine-Isaac Creek property. All DC Resistivity profiles are composed of 84 electrodes. Survey profile ISCRS21-01 had electrode spacing of 5m. ISCRS21-02 was surveyed with an electrode spacing of 3.5m. Depth of investigations for these surveys ranged from 30m to 60m.



Resistivity Data from Line ISCRS21-01, an Example of Array Geometry

The RES/IP surveys are done using Advanced Geoscience's SuperSting high-resolution resistivity meter and passive cables. A modified Schlumberger Inverse array was used on all survey lines. This array is a sounding array optimized to delineate horizontal structures such as bedrock contacts and lithological units, 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.



## 7.2 Working Procedure for DC Resistivity/IP Survey

- A crew of 4 is deployed to run survey.
- The midpoint of a traverse is located and the line is sighted-in using a compass and GPS.
- Minimal brush is cut along line to place pickets and set up equipment.
- Calcium Chloride (CaCl, 25% solution) is added to the base of all electrodes.
- 84 electrodes are inserted into the ground, spaced along the line at 3, 4 or 5 m.
- Electrodes are hammered to a depth of up to 50cm (10% of electrode spacing)
- Cables are laid and attached to the electrodes.
- Contact resistance test is conducted.
- Add electrodes and CaCl solution added to each electrode with CR > 2,000 Ohms. Contact resistance test is repeated.
- Continue to add electrodes and CaCl until satisfactory contact resistance values are achieved
- Operator initializes survey and uses DGPS and data collection software to document survey line parameters including electrode locations, topography, and geological/cultural features if present. Pickets are placed along the line every 50 m
- Crew cuts and prepares the next survey line.



## 7.3 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/IP 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. The same process is done with the IP data. 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 raw instrument data from the DGPS and SuperSting are archived. An ESRI shapefile is created containing the traverse points collected.

The Resistivity and Induced Polarization data from each traverse are inverted separately to minimize the number of resistivity measurements that are filtered based on chargeability inversion parameters. Once data sets are filtered, measurements associated with the largest model misfit are removed, and the inversion process is repeated until the model L2-norm is calculated as close to 1 as possible. If survey noise was estimated accurately (3 – 5%), when the model L2-norm equates to one, the inversion algorithm has produced a model which has not iterated on measurement noise. This indicates inversion artifacts in the earth model are minimized.



## 7.4 Results

The table and figure below and figure below indicate surveyed electrode station coordinates, station IDs and electrode spacing for all profiles surveyed on the Sunshine-Isaac placer 2021 DC Resistivity survey. Inversion figures for Resistivity and Chargeability of each survey are in Appendix A.

line_id	project_id	electrode	X	Y	Z	metreage	date
ISCRS21-01	ISC	1	621212	6962803	757	0	6-17-2021
ISCRS21-01	ISC	7	621204	6962826	748	30	6-17-2021
ISCRS21-01	ISC	11	621200	6962840	740	50	6-17-2021
ISCRS21-01	ISC	17	621192	6962861	730	80	6-17-2021
ISCRS21-01	ISC	21	621188	6962874	722	100	6-17-2021
ISCRS21-01	ISC	22	621187	6962878	722	105	6-17-2021
ISCRS21-01	ISC	25	621184	6962887	715	120	6-17-2021
ISCRS21-01	ISC	26	621182	6962891	715	125	6-17-2021
ISCRS21-01	ISC	31	621175	6962912	715	150	6-17-2021
ISCRS21-01	ISC	41	621161	6962953	718	200	6-17-2021
ISCRS21-01	ISC	46	621154	6962974	721	225	6-17-2021
ISCRS21-01	ISC	51	621147	6962995	723	250	6-17-2021
ISCRS21-01	ISC	54	621143	6963007	726	265	6-17-2021
ISCRS21-01	ISC	61	621133	6963036	730	300	6-17-2021
ISCRS21-01	ISC	66	621126	6963056	736	325	6-17-2021
ISCRS21-01	ISC	71	621119	6963074	740	350	6-17-2021
ISCRS21-01	ISC	76	621113	6963094	748	375	6-17-2021
ISCRS21-01	ISC	84	621103	6963126	757	415	6-17-2021
ISCRES21-02	ISC	1	625838	6961415	631	0	6-18-2021
ISCRES21-02	ISC	8	625822	6961431	625	24.5	6-18-2021
ISCRES21-02	ISC	11	625813	6961435	618	35	6-18-2021
ISCRES21-02	ISC	14	625805	6961442	616	45.5	6-18-2021
ISCRES21-02	ISC	19	625791	6961453	616	63	6-18-2021
ISCRES21-02	ISC	21	625786	6961456	613	70	6-18-2021
ISCRES21-02	ISC	31	625759	6961479	617	105	6-18-2021
ISCRES21-02	ISC	41	625733	6961503	616	140	6-18-2021
ISCRES21-02	ISC	43	625726	6961506	614	147	6-18-2021
ISCRES21-02	ISC	44	625723	6961506	613	150.5	6-18-2021
ISCRES21-02	ISC	51	625704	6961524	615	175	6-18-2021



ISCRES21-02	ISC	57	625687	6961533	613	196	6-18-2021
ISCRES21-02	ISC	61	625678	6961542	614	210	6-18-2021
ISCRES21-02	ISC	67	625663	6961554	609	231	6-18-2021
ISCRES21-02	ISC	71	625652	6961566	611	245	6-18-2021
ISCRES21-02	ISC	84	625615	6961594	608	290.5	6-18-2021

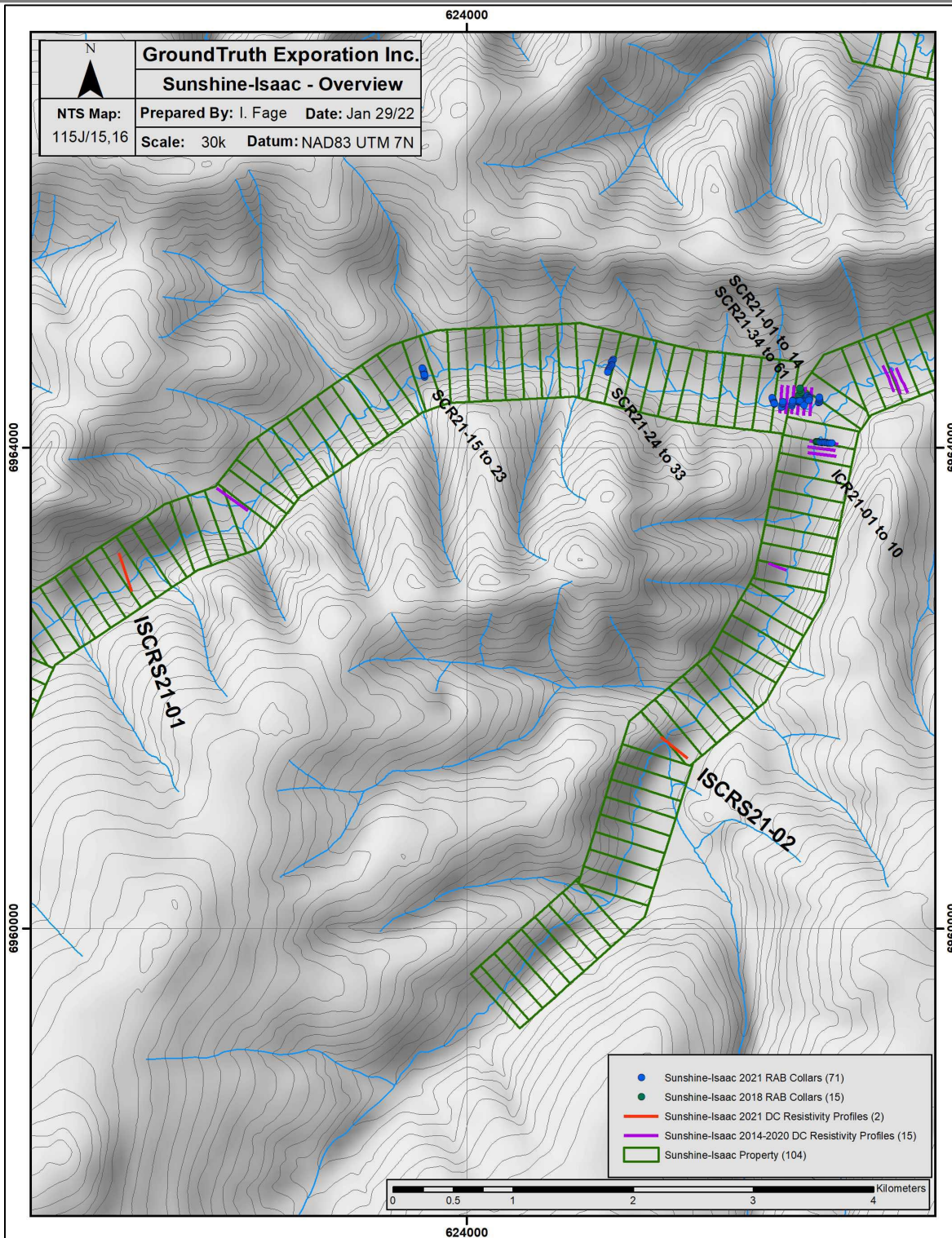


Figure 3: DC Resistivity (2014-21) and RAB Drilling (2018,21) Overview Map

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## 7 Rotary Air Blast (RAB) Drilling

### 7.1 Work Performed

The 2021 RAB Drill program on Sunshine-Isaac consisted of seventy-one holes: SCR21-01 to SCR21-61 and ICR21-01 to ICR21-10. A total of 1,870 ft was drilled between the August 8-29, 2021.

Drill holes SCR21-01 to 14 were drilled to confirm 2018 drilling and extend the 2018 gold zone identified 400m upstream on from the creek junction on Sunshine Creek. Drill holes SCR21-15 to 33 were drilled on 2 cross creek fences 2.0km and 3.5km upstream from junction on Sunshine Ck. SCR21-34 to 61 were drilled to further extend the main 2018 gold zone. Drill holes ICR21-01 to 10 were drilled on Isaac Creek, 500m upstream from creek junction.

### 7.2 Working Procedure for RAB Drilling

The GT RAB Drill is a light weight rotary percussion drill rig mounted on a set of rubber tracks. The drill itself is powered by a 44.2 hp turbocharged Kubota diesel engine. The placer RAB drives a cased hole 4" or 5" in diameter and uses 5' drill rods. The GT RAB Drill is equipped with a wireless remote controlled system used to drive it between drill sites. There are four hydraulically operated vertical outriggers on the drill for self-leveling on drill sites. The rubber tracked platform on the GT RAB Drill has 2400sq inches of track coverage area giving it 1.8psi ground pressure allowing it to be extremely versatile and low impact in the field.

The GT RAB Drill is a lightweight exploration drill rig that involves the use of DTH rotary percussion drilling equipment using compressed air from a stationary air compressor which is connected to the rubber tracked drill using an air hose. The drill uses a pneumatic reciprocating piston driven 'hammer' to energetically drive a tungsten carbide tipped drill bit into overburden and rock. Compressed air is fed through the drill rod string to the DTH hammer and with rotation from the top drive; cuttings are then returned to the surface through the annulus under pressurized exhaust air. Cuttings then pass through the diverter/BOP and continue to the cyclone and are collected in a 24" x 36" Ore Bag at the bottom of the cyclone. Drill cuttings were logged and sampled at 2.5 feet intervals. Prospective gravel samples were isolated and processed in a Gold Hog Raptor concentrator to find gold.

### 7.3 Data Processing

Drillhole data is logged nightly into drillhole database. The following is logged for each drill hole – Hole ID, XYZ Coordinates, Drill Method, Hole Diameter, Drill Date, Overburden type and thickness, Bedrock Depth, Total Hole Depth and Recovered Au mg (visually estimated). A section is drafted of each drillhole fence with topography and creek location.

Pay gravels are sluiced onsite during drilling through a ‘Gold Hog’ sluice. The concentrate is captured in a basin at the end of the run and put through the sluice a second time. Concentrate is then hand panned and gold grain count and weight estimate is done visually. As a Quality control measure on sluicing and panning, 2 pieces of visually distinct gold are added to the concentrate on the second sluicing run and an additional 2 pieces of distinct gold are added to the pan. All 4 pieces are retrieved prior to gold grain count after panning as a check against gold loss in the process.

Gold recovery estimates in milligrams are done visually by the panner onsite using the YGS Gold grain estimate card relative to counts by gold grain size. These visual Gold estimates are compared against a library of reference drill hole gold grain recovery examples from actual weighed amounts to ensure accurate estimates.



\*It should be noted that two RAB tooling systems were used on this drill program. Drill holes ICR21-01 to 10 and SCR21-01 to 35 were drilled at 5” diameter holes and drill holes SCR21-36 to 61 were drilled with tooling for 4” holes. Au Recovery estimates between the two systems would require levelling to correlate the results.



## 7.4 Results

The table and figure below and figure below indicate hole locations, total drilled depth and bedrock depth for all holes drilled on the Sunshine-Isaac Placer 2021 RAB program. The downhole logs of each hole are in Appendix B.

Hole_ID	Drill Method	X	Y	TD ft	BR ft	Est_Au_mg
SCR21-01	RAB 5"	626759	6964377	25	23	3
SCR21-02	RAB 5"	626760	6964385	25	21.5	1
SCR21-03	RAB 5"	626769	6964384	30	25.5	0.2
SCR21-04	RAB 5"	626813	6964409	25	23	2
SCR21-05	RAB 5"	626813	6964402	25	24	2
SCR21-06	RAB 5"	626810	6964390	25	23	5
SCR21-07	RAB 5"	626810	6964383	25	19	1
SCR21-08	RAB 5"	626810	6964371	20	17	0.2
SCR21-09	RAB 5"	626806	6964363	20	17	0.2
SCR21-10	RAB 5"	626758	6964390	25	22.5	25
SCR21-11	RAB 5"	626759	6964389	25	23	13
SCR21-12	RAB 5"	626760	6964391	25	21	10
SCR21-13	RAB 5"	626772	6964389	25	22.5	12
SCR21-14	RAB 5"	626807	6964352	25	22.5	4
SCR21-15	RAB 5"	623647	6964589	15	10	0
SCR21-16	RAB 5"	623649	6964601	20	12.5	0
SCR21-17	RAB 5"	623646	6964608	25	21	25
SCR21-18	RAB 5"	623644	6964619	25	21	1
SCR21-19	RAB 5"	623640	6964627	25	23.5	0.2
SCR21-20	RAB 5"	623638	6964639	25	23	0.2
SCR21-21	RAB 5"	623636	6964648	25	22.5	0
SCR21-22	RAB 5"	623630	6964661	25	24	0.2
SCR21-23	RAB 5"	623649	6964607	30	26	1
SCR21-24	RAB 5"	625218	6964734	25	24	0
SCR21-25	RAB 5"	625209	6964723	30	24	0
SCR21-26	RAB 5"	625203	6964712	25	19	0
SCR21-27	RAB 5"	625206	6964693	20	15	0
SCR21-28	RAB 5"	625202	6964684	20	18	0.2
SCR21-29	RAB 5"	625197	6964675	25	20	0.2
SCR21-30	RAB 5"	625188	6964664	20	16	0.2
SCR21-31	RAB 5"	625182	6964651	20	16	10
SCR21-32	RAB 5"	625178	6964641	20	17	0.2
SCR21-33	RAB 5"	625172	6964630	20	18	0.2
SCR21-34	RAB 5"	626928	6964373	25	23	2

SCR21-35	RAB 5"	626933	6964380	25	22.5	0.2
SCR21-36	RAB 4"	626936	6964390	27.5	23	0.2
SCR21-37	RAB 4"	626933	6964401	22.5	21	0.2
SCR21-38	RAB 4"	626933	6964410	22.5	21	0.2
SCR21-39	RAB 4"	626932	6964421	22.5	21	0.2
SCR21-40	RAB 4"	626838	6964432	27.5	23	2
SCR21-41	RAB 4"	626838	6964432	27.5	24	2
SCR21-42	RAB 4"	626845	6964420	22.5	22	0.2
SCR21-43	RAB 4"	626850	6964414	22.5	19	16
SCR21-44	RAB 4"	626850	6964403	22.5	19	0.2
SCR21-45	RAB 4"	626849	6964394	22.5	18	2
SCR21-46	RAB 4"	626706	6964349	27.5	21	0.2
SCR21-47	RAB 4"	626707	6964363	27.5	23	9
SCR21-48	RAB 4"	626708	6964374	27.5	23	45
SCR21-49	RAB 4"	626709	6964388	32.5	26	2
SCR21-50	RAB 4"	626620	6964336	22.5	21	0.2
SCR21-51	RAB 4"	626620	6964336	22.5	21	0.2
SCR21-52	RAB 4"	626629	6964364	27.5	18	0.2
SCR21-53	RAB 4"	626630	6964372	27.5	26	16
SCR21-54	RAB 4"	626630	6964383	27.5	18.5	2
SCR21-55	RAB 4"	626552	6964386	22.5	21	4
SCR21-56	RAB 4"	626549	6964395	22.5	22.5	2
SCR21-57	RAB 4"	626546	6964405	22.5	20	2
SCR21-58	RAB 4"	626540	6964415	27.5	23	0.2
SCR21-59	RAB 4"	626557	6964374	22.5	18	0.2
SCR21-60	RAB 4"	626560	6964362	22.5	21	6
SCR21-61	RAB 4"	626559	6964369	22.5	18	25
ICR21-01	RAB 4"	626944	6964045	35	32	5
ICR21-02	RAB 5"	626953	6964043	40	36	3
ICR21-03	RAB 5"	626964	6964044	35	35	2
ICR21-04	RAB 5"	626973	6964044	40	36	0.2
ICR21-05	RAB 5"	626983	6964043	35	32.5	5
ICR21-06	RAB 5"	626995	6964042	40	36	4
ICR21-07	RAB 5"	627005	6964040	40	38	6
ICR21-08	RAB 5"	627015	6964039	40	38	0.2
ICR21-09	RAB 5"	627025	6964037	40	37	2
ICR21-10	RAB 5"	627039	6964037	45	44	1
				<b>1870</b>	<b>Total footage</b>	



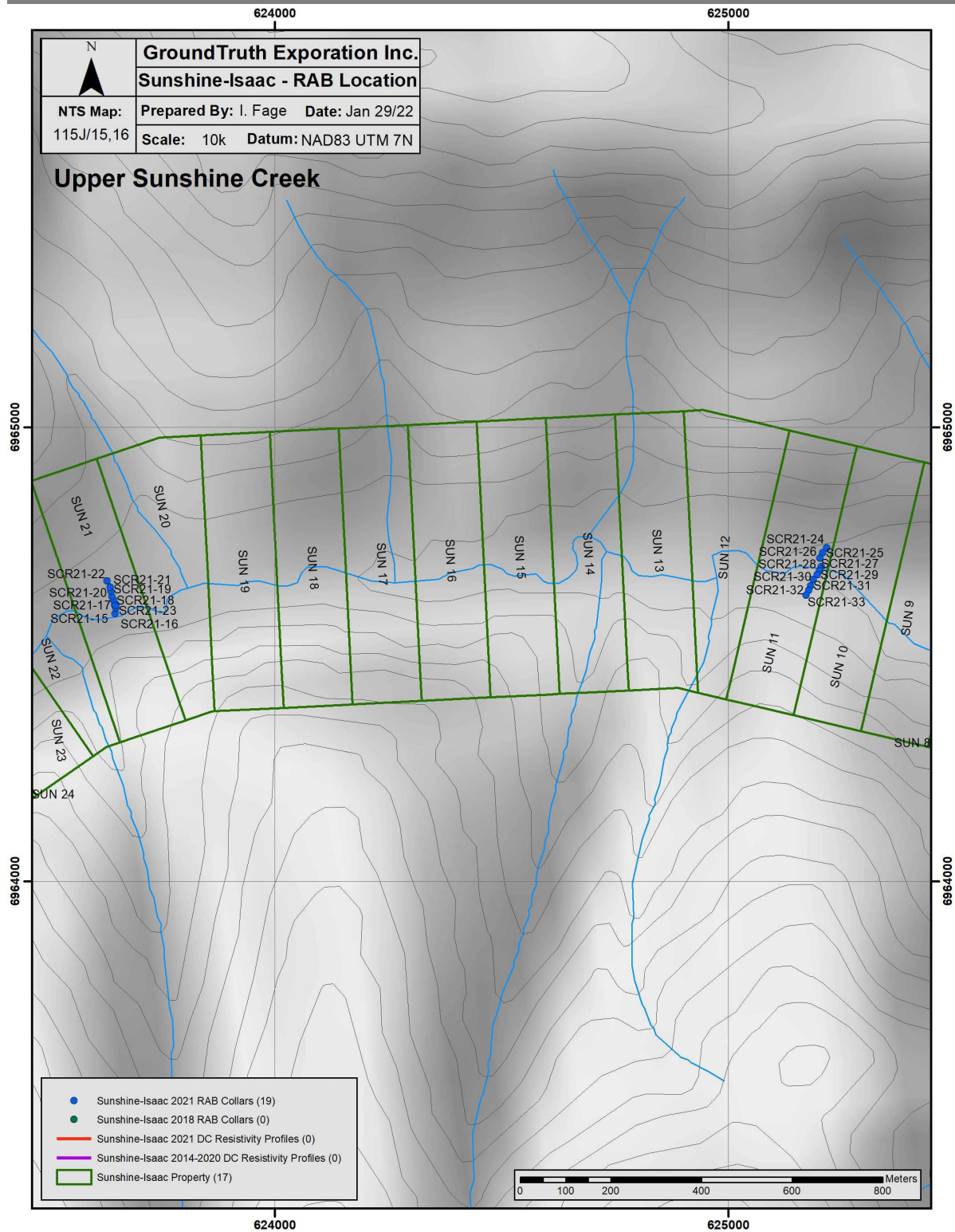


Figure 5: Drill Hole Collar Location - Upper Sunshine Creek

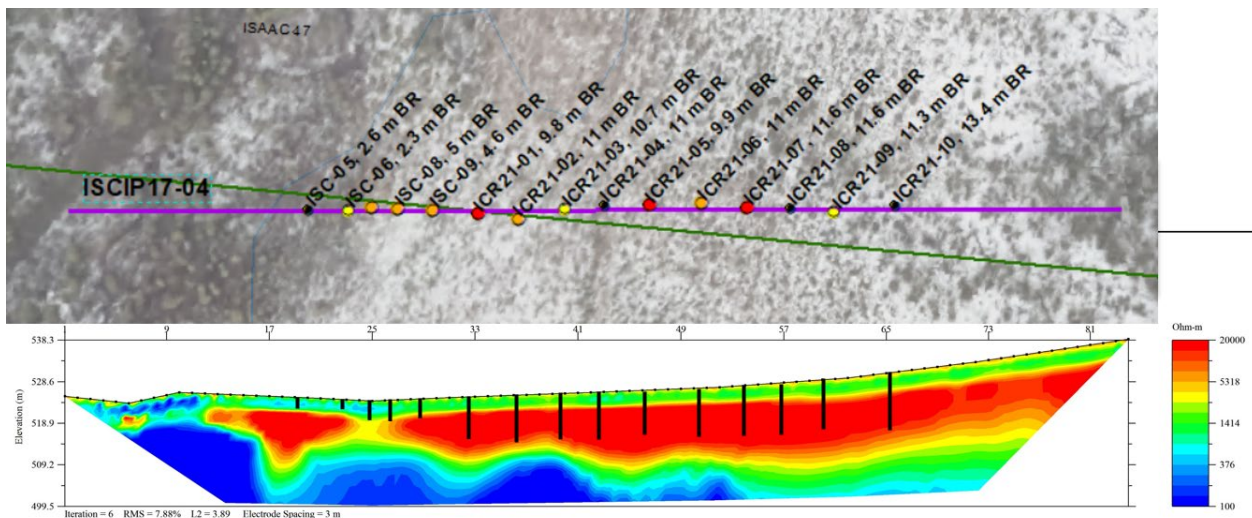


## 9 Discussion and Interpretation

### DC Resistivity -

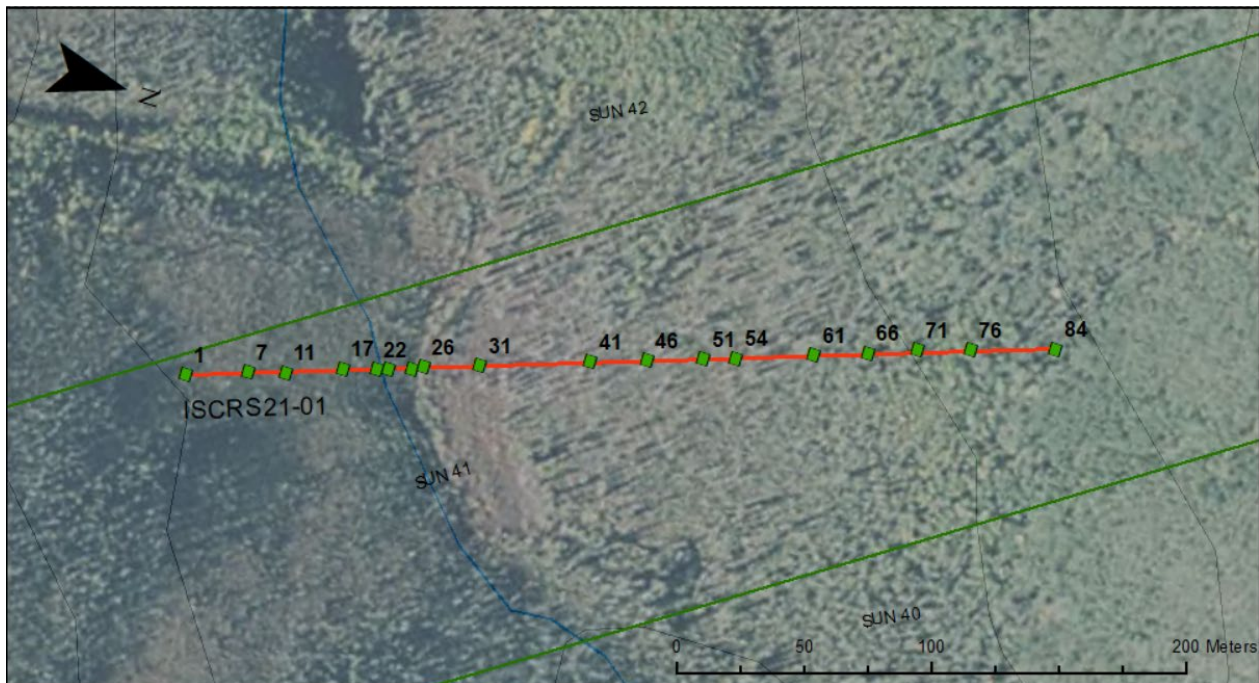
The DC Resistivity surveys conducted are a practical method for interpreting depth to bedrock on the Sunshine-Isaac Property. The 2021 RAB drilling was done on fences over the interpreted DC Resistivity profiles from previous year's exploration, providing an opportunity to gain confidence and understanding as a practical drill targeting tool on this property.

The figure below shows 2018 and 2021 RAB drill traces to bedrock overlaid on 2017 resistivity profile ISCIPI7-04. Drilled bedrock depths on this profile show agreement with bedrock interface above resistivity high contact (>15k Ohm-m) on the western 5 drillholes (ISC-05 to 09) adjacent to the creek. Eastern drillholes (ISC21-01 to 09) are showing bedrock interface along the bottom of the resistivity high contact (8-12k Ohm-m). The color ramp on the 2017 inversions should be replotted to better differentiate this contact. No muck is logged on the western drillholes on this fence, but deep frozen muck is logged (Appendix B) in the eastern drillholes and explains the resistivity high in overburden here. This drill tested section has been used as the model for interpreting undrilled 2021 DC Resistivity survey inversions.



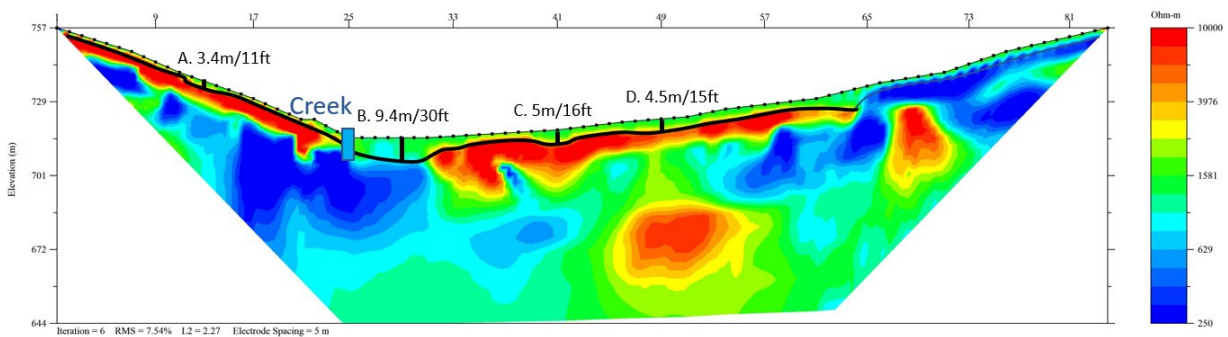
**ISCIPI7-04**  
Resistivity Inversion  
2018 and 2021 drilled Bedrock Depth Traces Overlaid  
Looking North

ISCRS21-01-



ISCRS21-01, Looking West

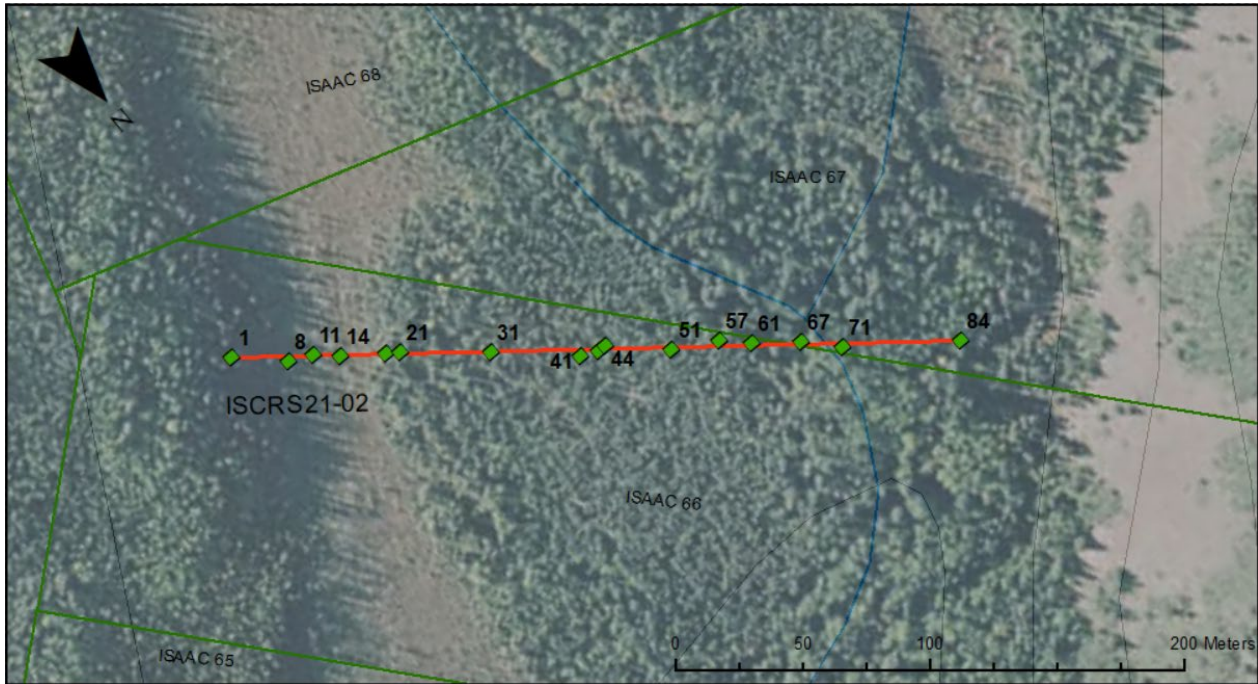
Inverted Resistivity Section



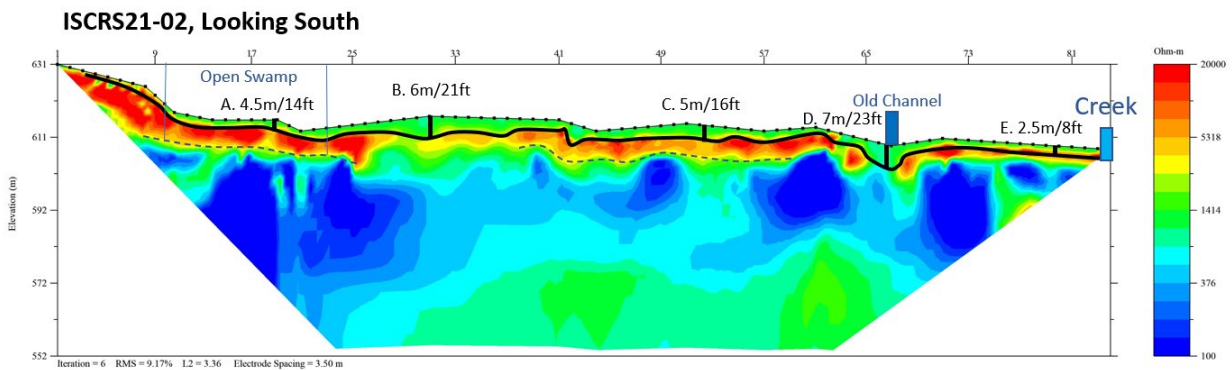
Profile ISCRS21-01 is the furthest downstream profile on the property, located on Sunshine Creek approximately 6.4 km upstream from junction. The Southern limit of the profile (A) is on a moderate north facing, interpreted to be frozen permafrost with minimal overburden with estimated depth of 11 feet. Bedrock trough is interpreted to be next to the creek (B), thawed and up to 30ft deep. Gravels are interpreted to be present on the north side of the creek with minor depressions and depths of approximately 15 feet. (C-D).



**ISCRS21-02-**



Inverted Resistivity Section



Profile ICRS21-02 is located approximately 10km upstream from the mouth of the Yukon River on Isaac Creek. The bedrock profile is interpreted to be on top of the resistivity high interface (5-15k Ohm-m contact). The eastern side of the profile crosses an open swamp. Bedrock depth at (A) is interpreted to be 14ft, but the resistivity high under the swamp could indicate frozen muck as observed in the drilled control line downstream and have depth of 30ft + in that case. Drilling required to verify here. The central portion of the profile (B-C) are interpreted to have depth 21-16ft. An old creek channel is visible at (D) in the resistivity and imagery, and depth is interpreted to drop to 23ft here. The overburden gets shallower on the western side (E), interpreted to be 8ft or less.

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**RAB Drilling -**

The 2021 RAB program successfully extended the size and potential of the placer gold system on the Sunshine-Isaac Creek property. The understanding of gold grain size and distribution is still preliminary and larger volume sampling will be required to understand true grades for economic mining feasibility. The 2<sup>nd</sup> round of RAB Drilling results confirmed placer gold on the drill fences 1.5km and 3km upstream from the creek junction placer gold discovery. are a positive indication for exploration potential to demonstrate continuity and test additional targets on the large property.

Drilled bedrock depths ranged from 10ft to 44ft, with an average depth of 23 feet. In particular, the Sunshine creek junction placer gold zone with the best gold counts has depths less than 25ft. These depths are a positive indication for mining feasibility.

The following figures plot: 1) Drilled depth to bedrock, and 2) Estimated gold recovery for each drillhole, compiled for both 2018 and 2021 drilling programs:



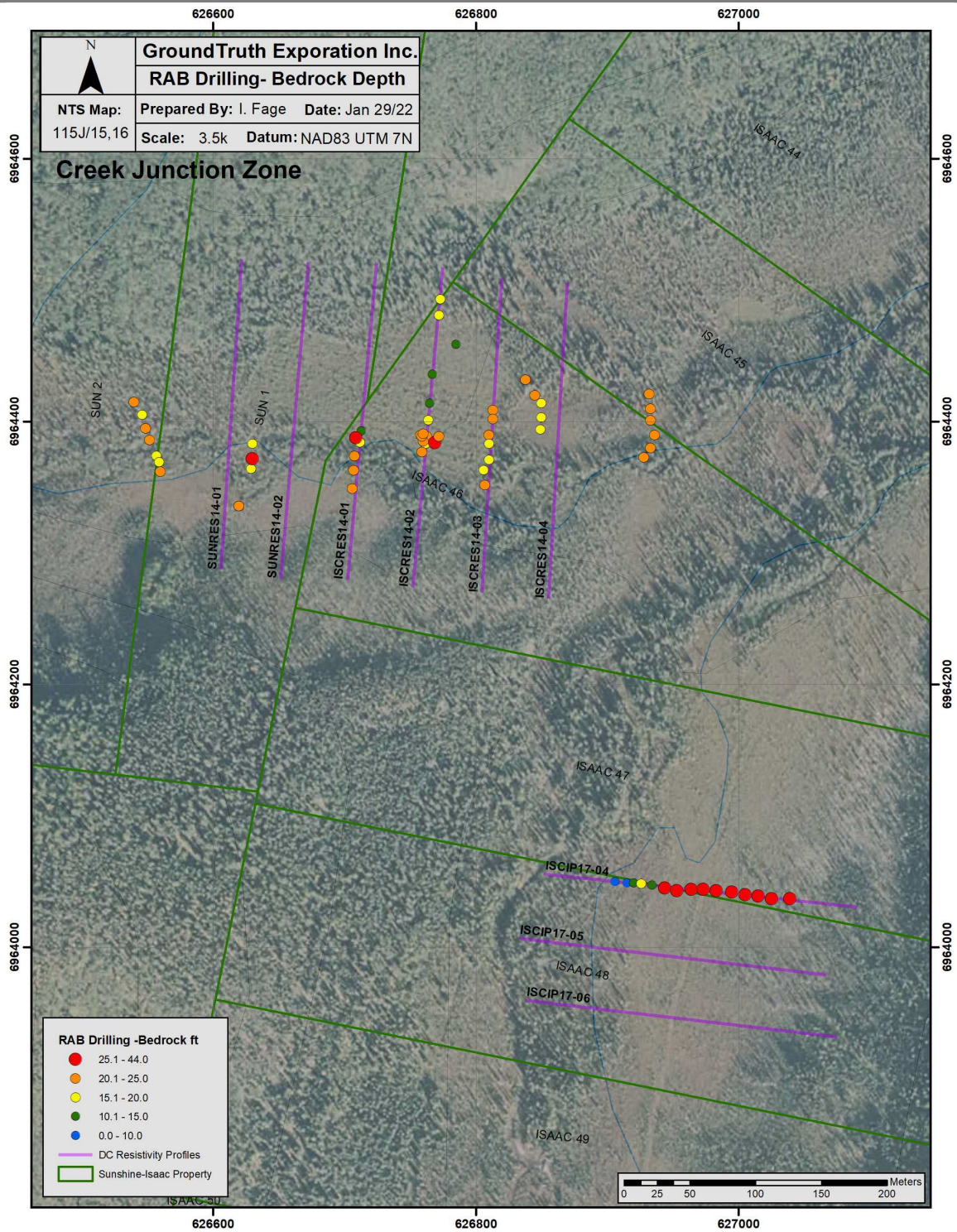


Figure 6: RAB Drilling Depth to Bedrock- Creek Junction Zone



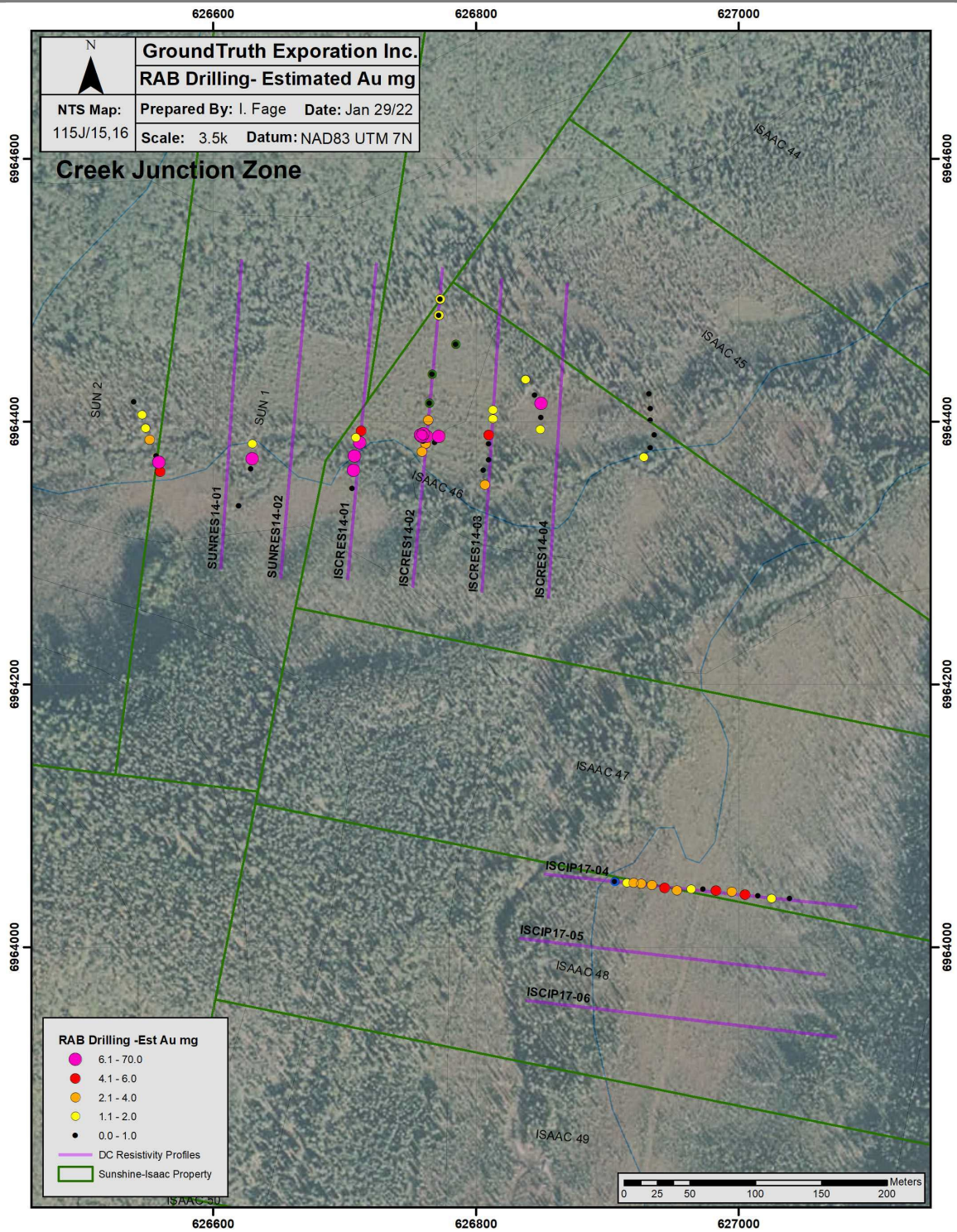


Figure 7: RAB Drilling Gold Estimate mg- Creek Junction Zone



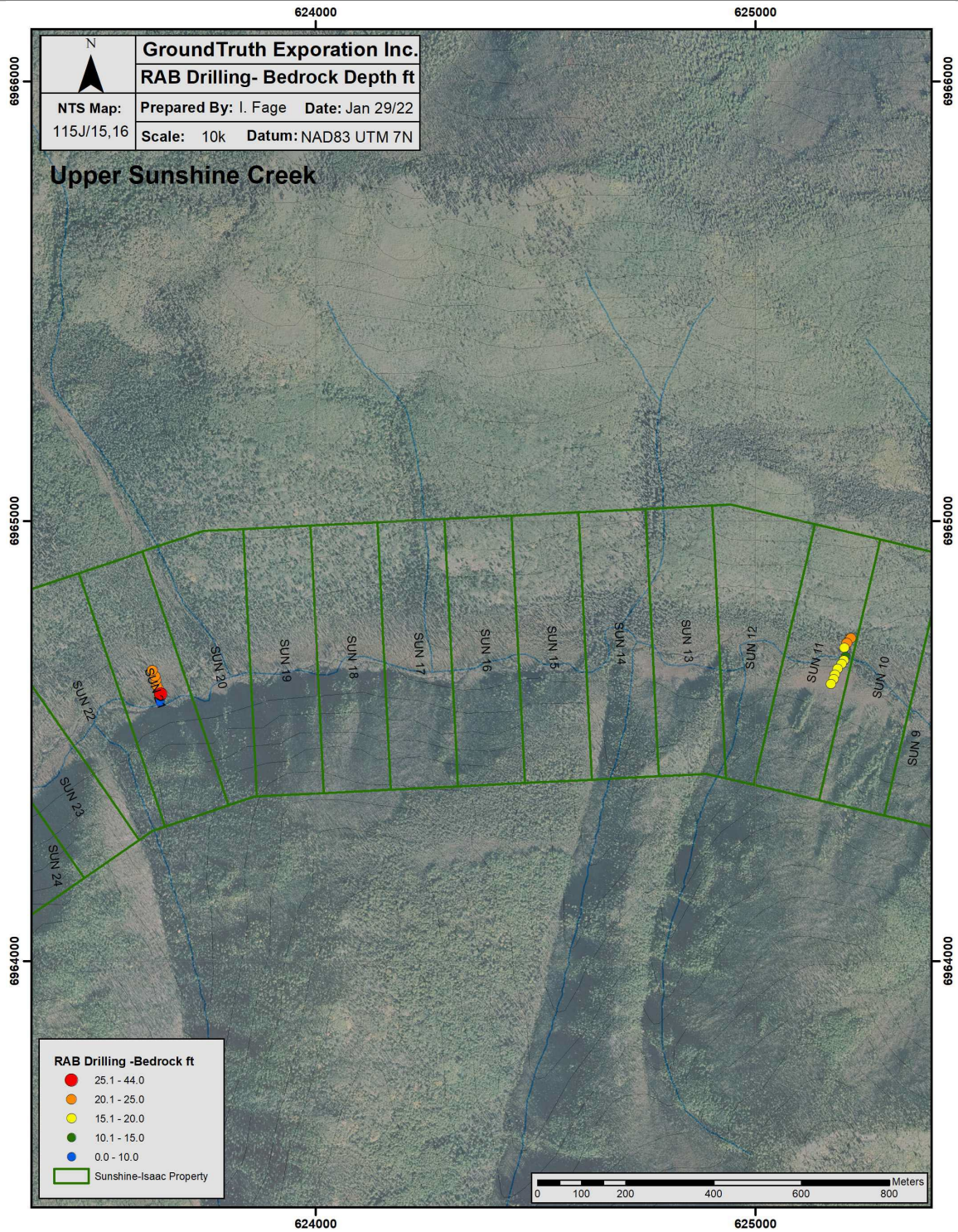


Figure 8: RAB Drilling Depth to Bedrock- Upper Sunshine Creek



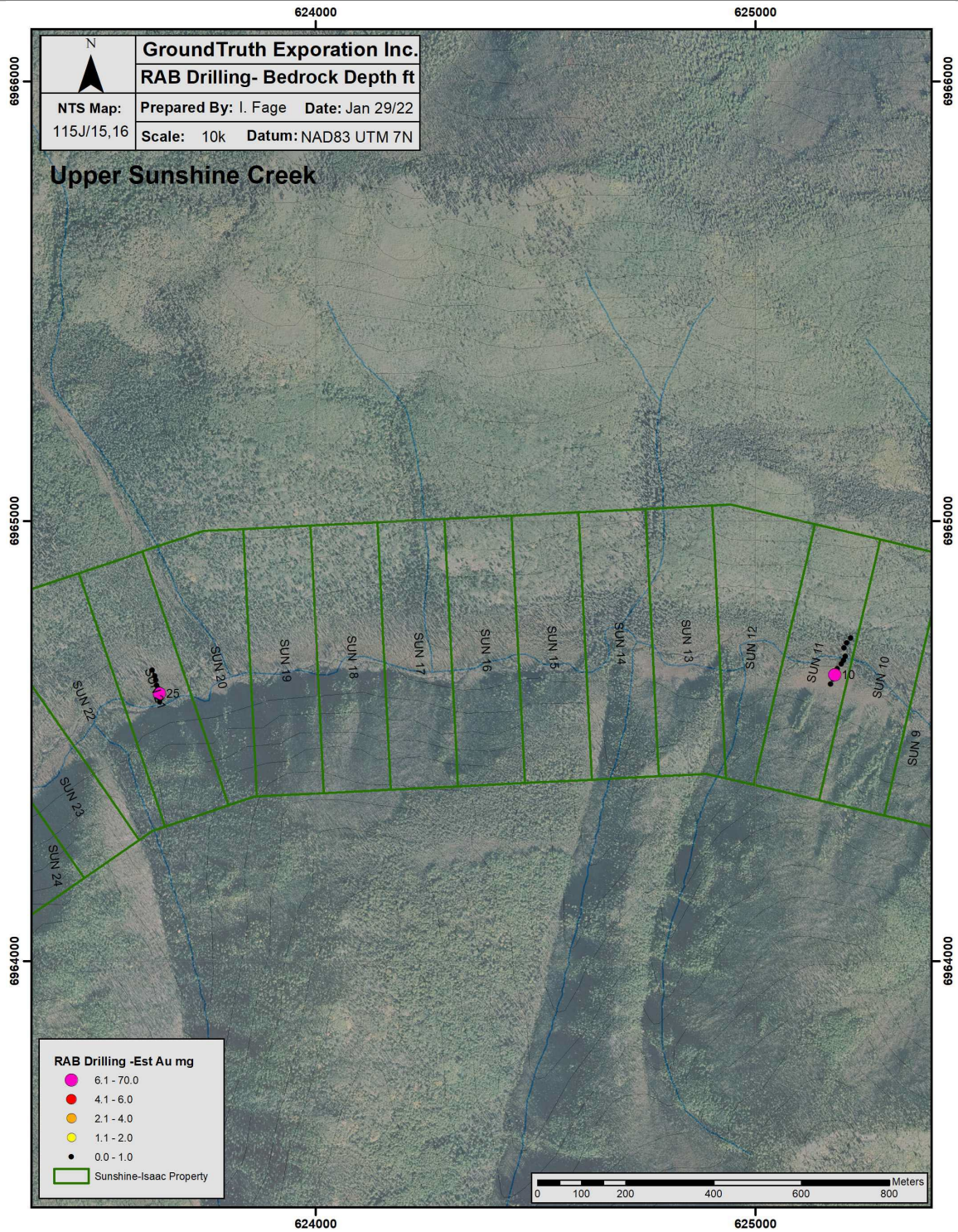


Figure 9: RAB Drilling Gold Estimate mg- Upper Sunshine Creek



## 10 Recommendations

Recommendation to 1) Bulk Test the 2021 RAB drill verified placer gold system with bulk sampling by means of shafting to quantify gold grade. 2) Drill test next targets on the property to extend and identify additional placer gold mineralization in the Sunshine-Isaac Creek drainage system. 3) Conduct additional geophysical surveys on new targets to gain bedrock depth information ahead of subsequent drill testing.

## 11 Expenditures

### **RES/IP Wages, Camp & Equipment Rental**

GroundTruth Exploration Inc., Crew of 4, June 17-18/21 \$8,309.50  
GroundTruth Invoice #10543, 10544

### **RAB Drilling, Fuel, Camp and Onsite Sluicing**

\$125,400.00

GroundTruth Exploration Inc., Crew of 5, Aug 8-29/21  
\$5,700/shift (all incl.) x 22 days

### **Claim and Lease Staking, w Camp and Consumables**

GroundTruth Exploration Inc., Crew of 4- July 28-29/21 \$4,800.00  
\$600/man day x 8 man days

### **Fixed Wing Support**

Great River Air/Tintina Air: YDA-Casino - July 22-Aug 31/21  
Invoice # TA 5445, 5221 & GRA IN 7793, 7798, 7882, 7883, 7860, \$16,842.18  
7962, 7963, 7966

### **Helicopter Support**

Great Slave Helicopters: July 28-Aug 31/21  
Invoice # GSH IN004787, IN004805, IN004831, IN004865, \$35,520.00  
IN005120, IN005121

### **Barge Support**

Schmidt Mining: Mobe July 29/31 Dawson-Brittania Creek,  
Demobe Sept 2/21 (Split w TWM) Brittania Ck to Tenmile Landing \$21,660.00  
Invoice # #29-2021 & #17-2021

### **Report Writing**

\$2,500.00

### **Grand Total**

**\$215,031.68**

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## 12 Qualification

I, Isaac Fage with a business and residential address in Dawson City, Yukon, do hereby certify that:

1. I graduated from Dalhousie University in Halifax, Nova Scotia in 2002 with a Bachelor of Arts, and graduated from the Centre of Geographic Sciences (COGS) in Lawrencetown, Nova Scotia in 2008 with an Advanced Diploma in Geographic Information Systems and Remote Sensing.
2. From 2004 to present I have been actively engaged in mineral exploration in the Yukon Territory.
3. I have been an employee of GroundTruth Exploration Inc. since May of 2010.
4. I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.

Dated this 31st day of January 2022

Respectfully submitted,



Isaac Fage

## 13 References

**Regional Geology:** Colpron, M., Israel, S., Murphy, D.C., Pigage, L.C., and Moynihan, D., 2016. Yukon Bedrock Geology Map. Yukon Geological Survey, Open File 2016-1.

**Regional Geology:** Yukon Mining Map Viewer, Mining Claims Database –

<http://mapservices.gov.yk.ca/Mining/Load.htm>

**Mineral Titles:** Yukon Mining Recorder, Mining Claims Database – [www.yukonminingrecorder.ca](http://www.yukonminingrecorder.ca)

**Topographic data:** Natural Resources Canada, The Atlas of Canada - Toporama-

<http://atlas.gc.ca/toporama/en/index.html>

Cassidy, N. J., 2009. Electrical and Magnetic Properties of Rocks, Soils and Fluids. In *Ground Penetrating Radar: Theory and Applications*, p. 41 – 72.

Clark, D. A. and Emerson, D. W., 1991. Notes on Rock Magnetization Characteristics in *Applied Geophysical Studies*. In *Exploration Geophysics*, p. 547 – 555.

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Mortensen, J. K., and Hart, C. J. R., 2010. Late and Post-Accretionary Magmatism and Metallogeny in the Northern Cordillera, Yukon and Eastern Alaska. *Geological Society of America Annual Meeting, Denver, 31 October to 3 November 2010*.

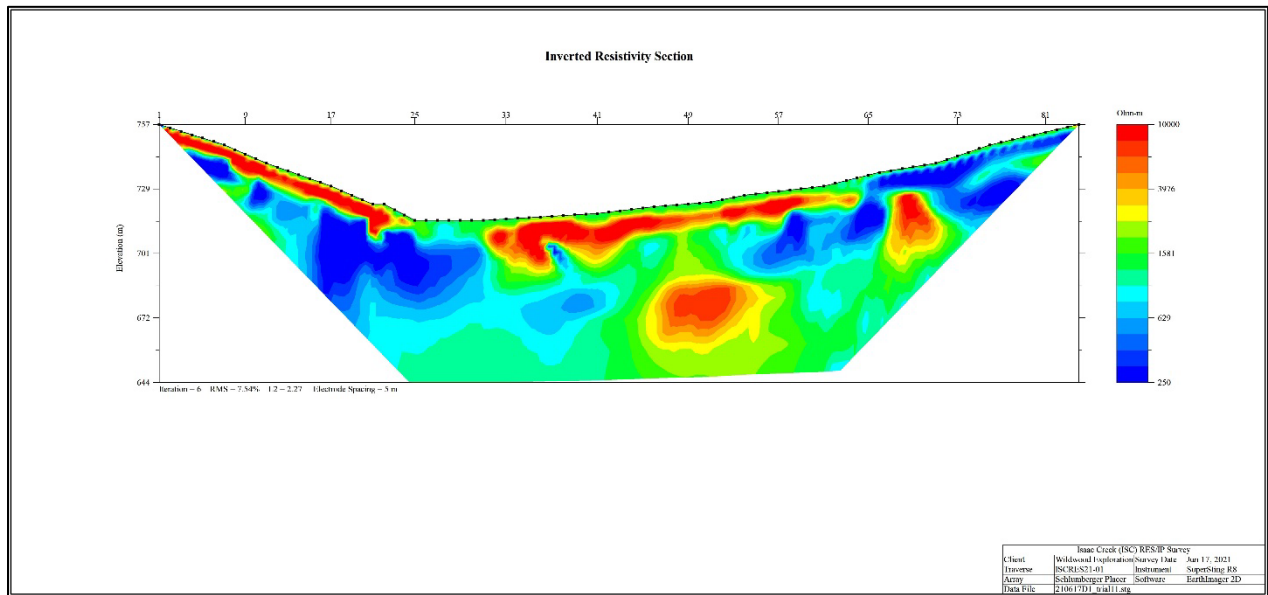
Nelson, J., Colpron, M., and Israel, S., 2013. The Cordillera of British Columbia, Yukon and Alaska: tectonics and metallogeny. In: Colpron, M., Bissig, T., Rusk, B., and Thompson, J.F.H., (Editors), *Tectonics, Metallogeny, and Discovery - the North American Cordillera and similar accretionary settings*. *Society of Economic Geologists, Special Publication 17*: 53-109.

Roots, C., Nelson, J., Mihalynuk, M. G., Harms, T. A., De Keijzer, M., and Simard, R. L., 2004. Bedrock Geology of Dorsey Lake, Yukon Territory. Yukon Geological Survey, Geological Survey of Canada, Open File 4630.

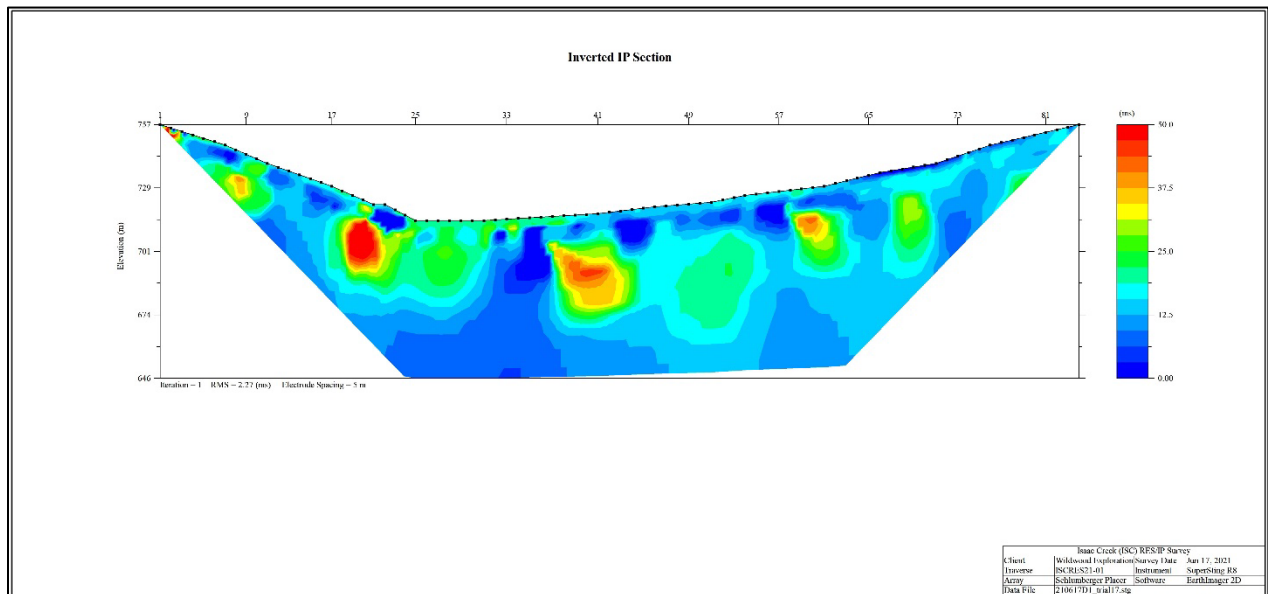
Ryan, J. J., Zagorevski, A., Williams, S. P., Roots, C., Ciolkiewicz, W., Hayward, N., and Chapman, J. B., 2013. Geology of Stevenson Ridge (northeastern part), Yukon; Geological Survey of Canada, Canadian Geoscience Map 116 and 117.

14 Appendices

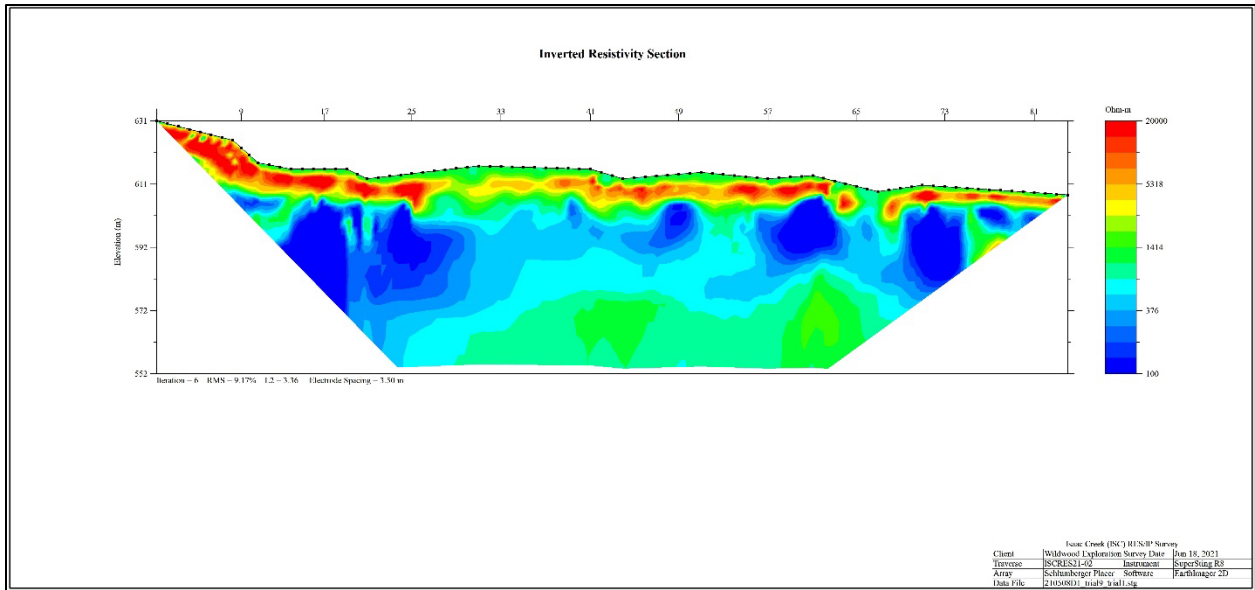
# Appendix A: DC Resistivity Inversion Figures for Resistivity and Chargeability



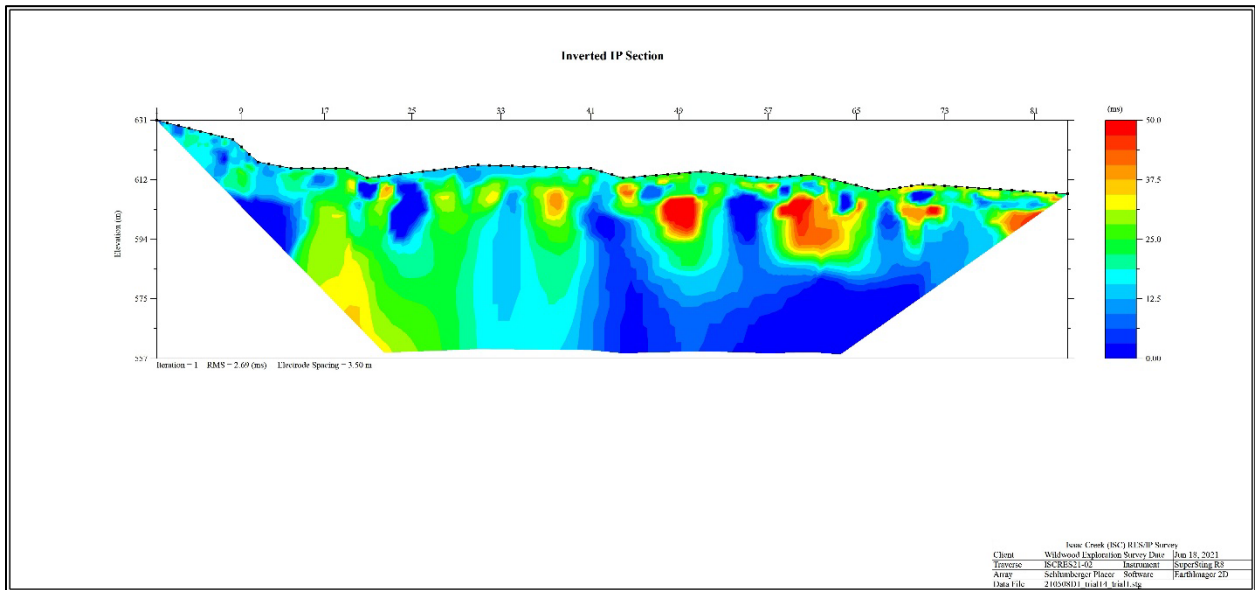
Resistivity 2D Inversion Profile of ISCRS21-01



Chargeability 2D Inversion Profile of ISCRS21-01



**Resistivity 2D Inversion Profile of ISCRS21-02**



**Chargeability 2D Inversion Profile of ISCRS21-02**

## Appendix B: Downhole Logs for 2021 RAB Drilling

HoleID	From_ft	To_ft	From_m	To_m	Material	Color
SCR21-01	0	5	0	1.524	gravel, 5% muck	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel, 20% sand	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel, boulders	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel, 10% clay	light brown
	23	25	7.0104	7.62	bedrock	grey
SCR21-02	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel, 10% muck	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21.5	5.334	6.5532	gravel, 10% clay	light brown
	21.5	25	6.5532	7.62	decomposed bedrock	white
SCR21-03	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	frozen sand	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	30	6.858	9.144	decomposed bedrock	white
SCR21-04	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel, boulders	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	25	7.0104	7.62	bedrock	white
SCR21-05	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	24	6.858	7.3152	gravel	light brown
24	25	7.3152	7.62	bedrock	white	



SCR21-06	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel, boulders	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel, boulders	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	25	7.0104	7.62	bedrock	grey
SCR21-07	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	19	5.334	5.7912	gravel	light brown
	19	25	5.7912	7.62	bedrock	grey
SCR21-08	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17	4.572	5.1816	gravel	light brown
	17	20	5.1816	6.096	bedrock	grey
SCR21-09	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	frozen sand	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17	4.572	5.1816	gravel	light brown
	17	20	5.1816	6.096	bedrock	grey
SCR21-10	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	bedrock	grey
SCR21-11	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel, boulders	light brown
	10	12.5	3.048	3.81	gravel, boulders	light brown
	12.5	15	3.81	4.572	gravel, boulders	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	23	5.334	7.0104	gravel, 20% clay	light brown
	23	25	7.0104	7.62	bedrock	grey

SCR21-12	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel, boulders	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	25	6.4008	7.62	decomposed bedrock	light brown
SCR21-13	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	bedrock	grey
SCR21-14	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel, boulders	light brown
	7.5	10	2.286	3.048	gravel, boulders	light brown
	10	15	3.048	4.572	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel, 20% clay	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	bedrock	grey
SCR21-15	0	5	0	1.524	frozen sand	light brown
	5	7.5	1.524	2.286	gravel, 20% frozen sand	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	15	3.048	4.572	bedrock	grey
SCR21-16	0	5	0	1.524	frozen sand	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	20	3.81	6.096	bedrock	grey
SCR21-17	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel, boulders	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	25	6.4008	7.62	bedrock	grey
SCR21-18	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown

	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	25	6.4008	7.62	bedrock	grey
SCR21-19	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23.5	6.096	7.1628	gravel	light brown
	23.5	25	7.1628	7.62	bedrock	grey
SCR21-20	0	5	0	1.524	gravel, 40% muck	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel, 20% clay	light brown
	22.5	25	6.858	7.62	decomposed bedrock	white
SCR21-21	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel, boulders	light brown
	7.5	10	2.286	3.048	gravel, boulders	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	25	7.0104	7.62	bedrock	grey
SCR21-22	0	5	0	1.524	muck	dk brown
	5	7.5	1.524	2.286	muck	dk brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	24	6.858	7.3152	gravel	light brown
	24	25	7.3152	7.62	bedrock	grey
SCR21-23	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown



	22.5	25	6.858	7.62	gravel	light brown
	25	26	7.62	7.9248	gravel	light brown
	26	30	7.9248	9.144	bedrock	grey
SCR21-24	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	bedrock	grey
SCR21-25	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel, 10% clay	light brown
	17.5	20	5.334	6.096	gravel, 30% clay	light brown
	20	22.5	6.096	6.858	gravel, 30% clay	light brown
	22.5	30	6.858	9.144	decomposed bedrock	white
SCR21-26	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel, 40% clay	light brown
	17.5	19	5.334	5.7912	gravel, 50% clay	light brown
	19	20	5.7912	6.096	bedrock	white
SCR21-27	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel, 30% clay	light brown
	15	20	4.572	6.096	bedrock	white
SCR21-28	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18	4.572	5.4864	gravel	light brown
	18	20	5.4864	6.096	bedrock	grey
SCR21-29	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown

	17.5	20	5.334	6.096	gravel, 20% clay	light brown
	20	25	6.096	7.62	bedrock	grey
SCR21-30	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel, boulders	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	16	3.81	4.8768	gravel	light brown
	16	20	4.8768	6.096	bedrock	grey
SCR21-31	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	16	3.81	4.8768	gravel, 20% clay	light brown
	16	20	4.8768	6.096	bedrock	grey
SCR21-32	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17	4.572	5.1816	gravel	light brown
	17	20	5.1816	6.096	bedrock	grey
SCR21-33	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18	4.572	5.4864	gravel	light brown
	18	20	5.4864	6.096	bedrock	grey
SCR21-34	0	5	0	1.524	gravel	light brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	20	4.572	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	30	7.0104	9.144	bedrock	grey
SCR21-35	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	bedrock	grey
SCR21-36	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown

	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	27.5	7.0104	8.382	bedrock	grey
SCR21-37	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	22.5	6.4008	6.858	bedrock	grey
SCR21-38	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	muck	dark brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	22.5	6.4008	6.858	bedrock	grey
SCR21-39	0	7.5	0	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	22.5	6.4008	6.858	bedrock	grey
SCR21-40	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	27.5	7.0104	8.382	bedrock	grey
SCR21-41	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	24	6.858	7.3152	gravel	light brown
	24	27.5	7.3152	8.382	bedrock	grey
SCR21-42	0	7.5	0	2.286	muck, 40% gravel	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown



	17.5	20	5.334	6.096	gravel	light brown
	20	22	6.096	6.7056	gravel	light brown
	22	27.5	6.7056	8.382	bedrock	grey
SCR21-43	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	19	5.334	5.7912	gravel	light brown
	19	22.5	5.7912	6.858	bedrock	grey
SCR21-44	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel, 10% clay	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	19	5.334	5.7912	gravel	light brown
	19	22.5	5.7912	6.858	bedrock	grey
SCR21-45	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18	4.572	5.4864	gravel	light brown
	18	22.5	5.4864	6.858	bedrock	grey
SCR21-46	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel, boulders	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	27.5	6.858	8.382	bedrock	grey
SCR21-47	0	7.5	0	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	27.5	7.0104	8.382	bedrock	grey
SCR21-48	0	7.5	0	2.286	muck, 40% gravel	dark brown
	7.5	10	2.286	3.048	gravel, 10% clay	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	27.5	7.0104	8.382	bedrock	grey
SCR21-49	0	7.5	0	2.286	muck	dark brown

	7.5	10	2.286	3.048	muck, 70% gravel, boulder	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	26	6.858	7.9248	gravel	light brown
	26	32.5	7.9248	9.906	bedrock	grey
SCR21-50	0	7.5	0	2.286	muck, 60% gravel, boulder	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	19	5.334	5.7912	gravel	light brown
	19	22.5	5.7912	6.858	bedrock	grey
SCR21-51	0	7.5	0	2.286	muck, 40% gravel	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17	4.572	5.1816	gravel	light brown
	17	22.5	5.1816	6.858	decomposed bedrock	white
SCR21-52	0	7.5	0	2.286	muck, 30% gravel	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18	4.572	5.4864	gravel	light brown
	18	27.5	5.4864	8.382	bedrock	grey
SCR21-53	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	mucl, 40% gravel, boulders	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	26	6.858	7.9248	gravel	light brown
	26	27.5	7.9248	8.382	bedrock	grey
SCR21-54	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18.5	4.572	5.6388	gravel	light brown
	18.5	27.5	5.6388	8.382	bedrock	white
SCR21-55	0	7.5	0	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown

	21	22.5	6.4008	6.858	bedrock	grey
SCR21-56	0	7.5	0	2.286	muck, 40% gravel	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	22.5	6.858	6.858	no bedrock, gravel	light brown
SCR21-57	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck, 80% gravel	light brown
	10	12.5	3.048	3.81	gravel, 30% clay	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	bedrock	grey
SCR21-58	0	7.5	0	2.286	muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	23	6.096	7.0104	gravel	light brown
	23	27.5	7.0104	8.382	bedrock	grey
SCR21-59	0	7.5	0	2.286	gravel, boulders, 10% muck	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18	4.572	5.4864	gravel	light brown
	18	22.5	5.4864	6.858	bedrock	grey
SCR21-60	0	7.5	0	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	18	4.572	5.4864	gravel	light brown
	18	22.5	5.4864	6.858	bedrock	grey
SCR21-61	0	7.5	0	2.286	gravel, 40% muck	dark brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	21	5.334	6.4008	gravel	light brown
	21	22.5	6.4008	6.858	bedrock	grey
ICR21-01	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel, boulder	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	14	3.81	4.2672	gravel	light brown

	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel, 30% clay	light brown
	32.5	35	9.906	10.668	bedrock	grey
ICR21-02	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	gravel	light brown
	7.5	10	2.286	3.048	gravel	light brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel, 30% clay	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel, 30% clay	light brown
	32.5	36	9.906	10.973	gravel, 70% clay	light brown
	36	40	10.9728	12.192	decomposed bedrock	grey
ICR21-03	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel, boulder	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	35	9.906	10.668	gravel	light brown
	35	35	10.668	10.668	bedrock	grey
ICR21-04	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel, boulder	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel, 30% clay	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel, 40% clay	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	36	9.906	10.973	gravel	light brown



	36	40	10.9728	12.192	bedrock	grey
ICR21-05	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel, boulder	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	35	9.906	10.668	bedrock	grey
ICR21-06	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	36	9.906	10.973	gravel	light brown
	36	40	10.9728	12.192	bedrock	grey
ICR21-07	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	gravel	light brown
	12.5	15	3.81	4.572	gravel	light brown
	15	17.5	4.572	5.334	gravel	light brown
	17.5	20	5.334	6.096	gravel	light brown
	20	22.5	6.096	6.858	gravel	light brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	38	9.906	11.582	gravel	light brown
	38	40	11.5824	12.192	bedrock	grey
ICR21-08	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	muck	dark brown
	12.5	15	3.81	4.572	muck	dark brown
	15	17.5	4.572	5.334	muck	dark brown

	17.5	20	5.334	6.096	muck	dark brown
	20	22.5	6.096	6.858	muck, 30% gravel	dark brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	38	9.906	11.582	gravel, 40% clay	light brown
	38	40	11.5824	12.192	bedrock	grey
ICR21-09	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	muck	dark brown
	12.5	15	3.81	4.572	muck	dark brown
	15	17.5	4.572	5.334	muck	dark brown
	17.5	20	5.334	6.096	muck	dark brown
	20	22.5	6.096	6.858	muck	dark brown
	22.5	25	6.858	7.62	gravel	light brown
	25	27.5	7.62	8.382	gravel	light brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	37	9.906	11.278	gravel	light brown
	37	40	11.2776	12.192	bedrock	white
ICR21-10	0	5	0	1.524	muck	dark brown
	5	7.5	1.524	2.286	muck	dark brown
	7.5	10	2.286	3.048	muck	dark brown
	10	12.5	3.048	3.81	muck	dark brown
	12.5	15	3.81	4.572	muck	dark brown
	15	17.5	4.572	5.334	muck	dark brown
	17.5	20	5.334	6.096	muck	dark brown
	20	22.5	6.096	6.858	muck	dark brown
	22.5	25	6.858	7.62	muck	dark brown
	25	27.5	7.62	8.382	muck, 40% gravel	dark brown
	27.5	30	8.382	9.144	gravel	light brown
	30	32.5	9.144	9.906	gravel	light brown
	32.5	36	9.906	10.973	gravel	light brown
	36	40	10.9728	12.192	bedrock	white