

2018 PLACER ASSESSMENT REPORT

Placer Claims

Under Grouping Certificate GM00278

Upper Duncan Creek

MAYO MINING DISTRICT, YUKON TERRITORY

For

Earth & Iron Inc.

By

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Location: 63°50'16.5" N to 63°52'46.0" N; 135°07'52.55" W to 135°17'31.0" W

NTS: 105M14

Mining District: Mayo

Date: December 18, 2018

Dates of Work: May 25th to August 30th, 2018

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Executive Summary

The following is an assessment report on the 2018 placer exploration of Upper Duncan Creek for Earth & Iron Inc. The property is located in central Yukon approximately 480 km by road from Whitehorse. Access is gained from Whitehorse via Stewart Crossing on the Klondike Highway (353 km), followed by a distance of 52 km east on the Silver Trail to Mayo. From Mayo to Keno City the road runs a distance of 65 km. The Upper Duncan Creek road turnoff lies a distance of 3.7 km south along the Duncan Creek road from Keno City. A final 6.3 km along this road leads to the main camp and staging area on the SAM claims. A steep, 1 km road connects the camp to the Sourdough Hill road on the ridge to the north. The Sourdough Hill road is a 4WD road which runs from Keno City to the upper reaches of Upper Duncan Creek (10.1 km). The uppermost reaches of Upper Duncan Creek are reached from this point by another 2.9 km long road which climbs east to the western slope of Mount Hinton. In 2017, a bypass road connected the camp on the SAM 11 claim to the Sourdough Hill/Upper Duncan Creek road, intersecting it on the IZZIE 10 claim.

Earth & Iron Inc. holds a Type B Water Use Licence (PM16-015-01) for Placer Mining and a Class 4 Mining Land Use Permit (AP16015) on its Upper Duncan Property, which are both valid until June 1, 2026. There are 145 placer claims held by Earth & Iron Inc. in the Upper Duncan drainage.

Mount Hinton is the locale for a significant bedrock gold source (MINFILE 105M052) which consists of a series of mineralized vein-faults hosted in both the Triassic Galena Suite Gabbro and the Carboniferous Keno Hill Quartzite. It lies at the headwaters of several major drainages including Upper Duncan Creek, Keystone Creek, Granite Creek, McNeil Gulch, McMillan Gulch and Allen Creek.

The most prospective sediments for placer gold in the project area are interglacial paleochannels, however, other more dispersed sediments such as glacial till may also host economic concentrations of placer gold. This is demonstrated on Granite Creek, where over 4000 ounces of placer gold have been mined from an alpine till in the last three years. There is a strong possibility that other drainages radiating from Mount Hinton have similar placer gold potential, however testing in these areas to date has not been of sufficient depth or volume to sufficiently evaluate this potential.

The 2018 exploration program in the Upper Duncan Creek drainage and its tributaries consisted of 5225m of electrical resistivity surveys and 8 Reverse Circulation (RC) drill holes.

Resistivity surveys identified ten drill targets in the Stuart, Sam, and Jill claims' and 9 drill targets in the James, Lew, and Izzie claims. Four additional targets were identified from previous (2017) resistivity surveys. The drill targets aligned in a direction which was subparallel to the tributaries and main valley trends, which could be indicative of paleochannels which have a high potential for placer gold.

Further exploration of shallow targets should be conducted using excavator test-pits, while deeper targets should be drilled using either a RAB (rotary air-blast) drill or R/C (reverse circulation) drill. Materials obtained should be carefully sampled for placer gold content, and bedrock depths. Lithological contacts once confirmed by drilling should be used to recalibrate the 2018 resistivity profile interpretations.

Introduction

The following is an assessment report on the 2018 placer exploration program by Earth & Iron Inc. on the Upper Duncan Creek claim group. The exploration program included 5.225 km of resistivity geophysical surveys and 8 Reverse Circulation (RC) drill holes. The resistivity program is described here, while the R/C drilling program has been filed separately for assessment credit as drill logs.

Location and Access

The property is located in central Yukon approximately 480 km by road from Whitehorse (Figure 1). Access is gained from Whitehorse via Stewart Crossing on the Klondike Highway (353 km), followed by a distance of 52 km east on the Silver Trail to Mayo. From Mayo to Keno City the road runs a distance of 65 km. The Upper Duncan Creek road turnoff lies a distance of 3.7 km south along the Duncan Creek road from Keno City. A final 6.3 km along this road leads to the main camp and staging area on the SAM claims. A steep, 1 km road connects the camp to the Sourdough Hill road on the ridge to the north. The Sourdough Hill road is a 4WD road, which runs from Keno City to the upper reaches of Upper Duncan Creek (10.1 km). The uppermost reaches of Upper Duncan Creek are reached from this point by another 2.9 km long road, which turns east. In 2017, a bypass road connected the camp on the SAM 11 claim to the Sourdough Hill/Upper Duncan Creek road, intersecting it on the IZZIE 10 claim.

Dates of Work and Personnel

The 2018 program was conducted between May 25 and August 30, 2018. The field crew consisted of supervisor William LeBarge (Geoplacer Exploration Ltd.), Selena Magel, B.Sc., G.I.T., and Allegra Webb.

Placer Mineral Tenure

A total of 145 placer claims are in the Upper Duncan drainage, under Grouping Certificate GM00278. The extent of the claims are plotted on Figure 2. The tables in Appendix 1 give the 658 placer claims and two placer prospecting leases currently held by Earth & Iron Inc. and its affiliates.

Quartz Mineral Tenure

Active quartz claims are held throughout the area including all of Upper Duncan Creek. There are currently several owners including Archer, Cathro & Associates (1981) Limited, Metallic Minerals Ltd. and Shawn Ryan. Earth & Iron Inc. and its affiliates hold no quartz tenure in the area.

Permitting

Earth & Iron Inc. currently holds a Type B Water Use Licence (PM16-015-01) for Placer Mining and a Class 4 Mining Land Use Permit (AP16015) on its Upper Duncan Property, which are both valid until June 1, 2026.

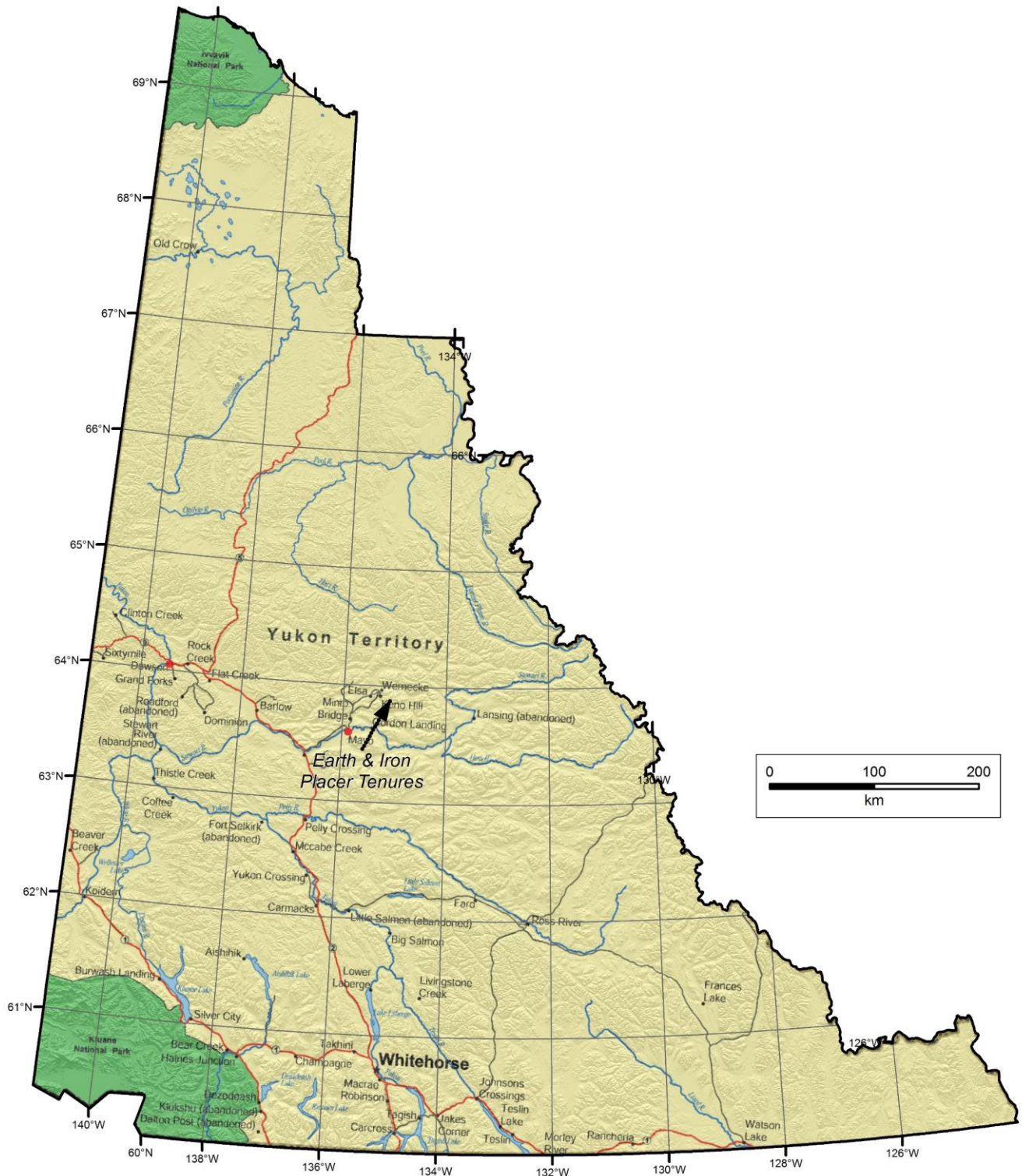
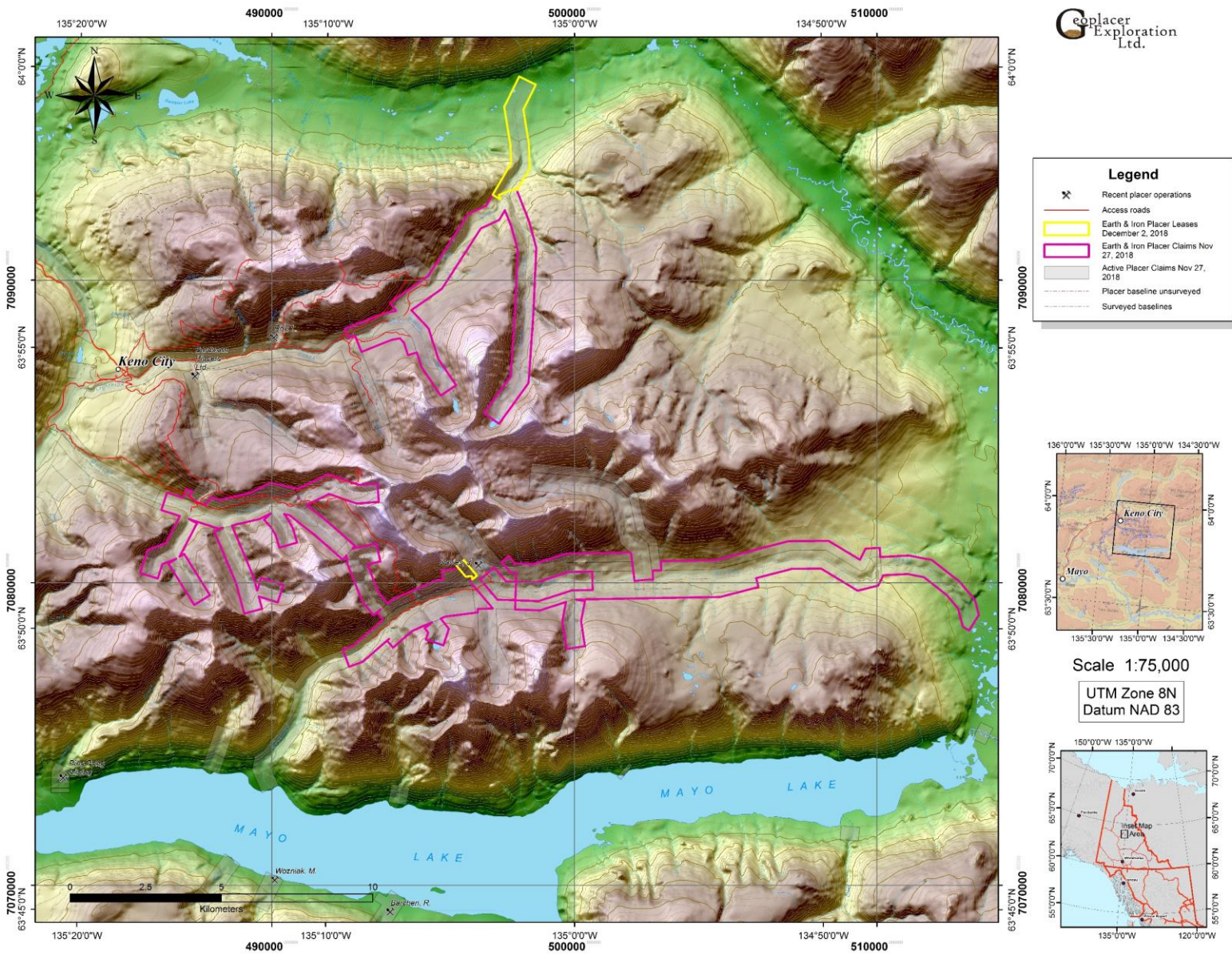


Figure 1 - Location of Placer Tenures held by Earth & Iron Inc. and its affiliates, Upper Duncan Creek, Yukon.



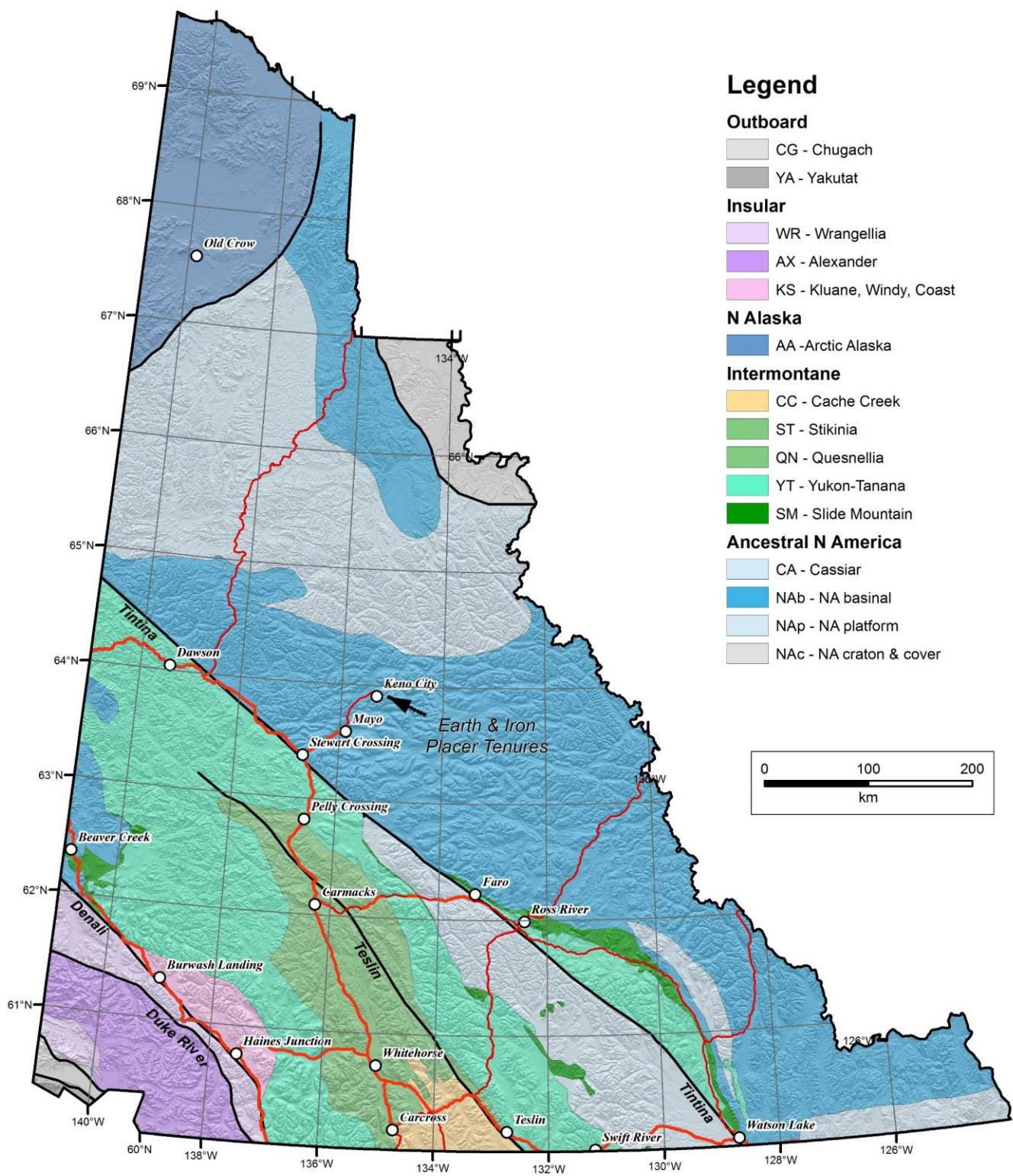


Figure 3 - Geological Map of Yukon, showing major bedrock terranes and structural elements. Modified after Yukon Geological Survey, 2018.

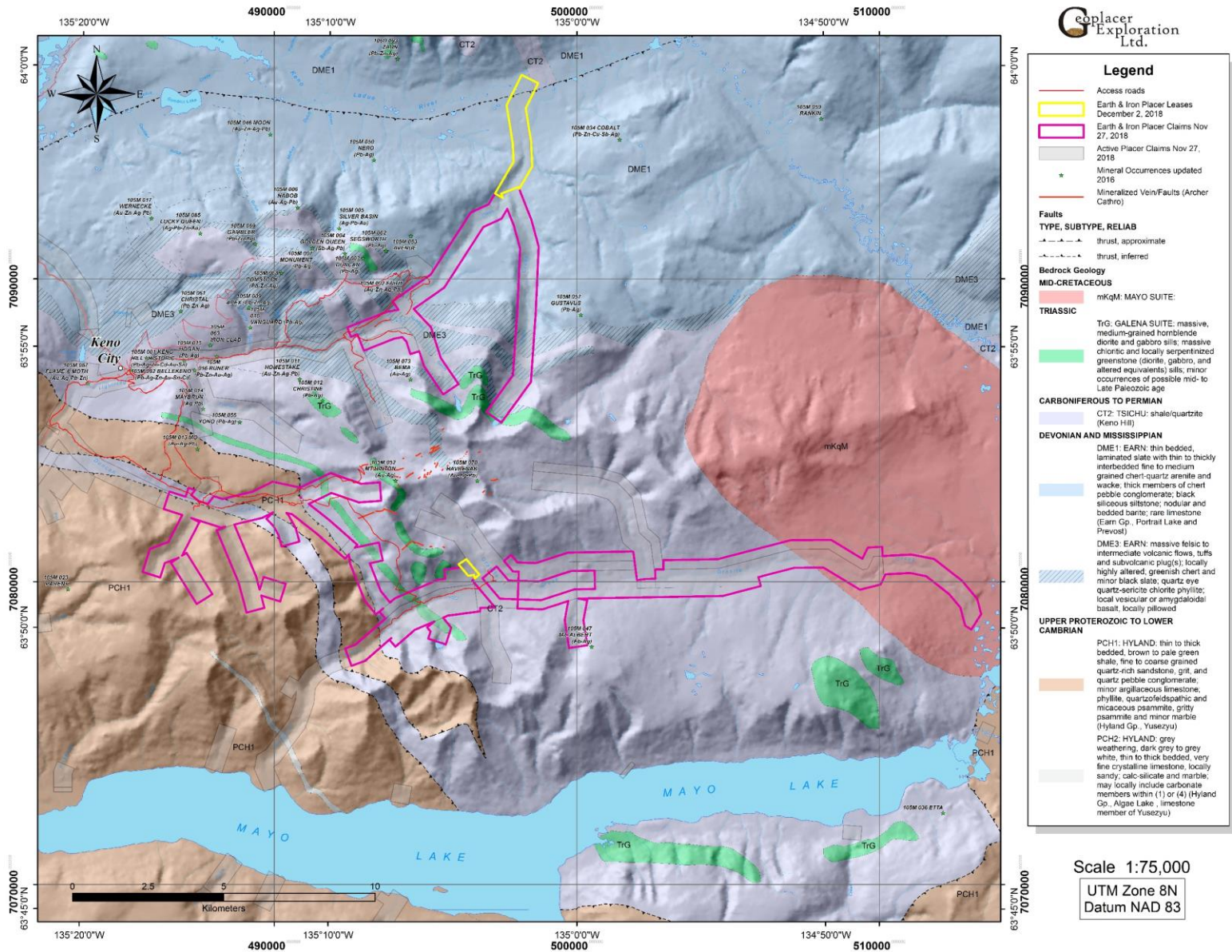


Figure 4 - Bedrock geology and mineral occurrences of Upper Duncan Creek, Lightning Creek and Granite Creek areas, after Yukon Geological Survey, 2018. Mineralized vein-faults digitized from Wengzynowski, 2008 (EMR Assessment report 095613).

Regional Bedrock Geology

Murphy (1997) and Roots (1997a, 1997b) mapped and described the McQuesten and Keno Hill area, and various researchers (Stephens et al., 2004; Hart et al., 2002; Colpron and Ryan, 2010) have described the tectonic setting and mineral deposits throughout the region.

Figure 3 is a geological map of Yukon, showing major bedrock terranes and structural elements. The Earth & Iron Inc. properties in the Keno Hill district lie east of the Tintina Fault, within Ancestral North America in the *Nab* (North American basinal) terrane. In that part of the western Selwyn basin, dominantly clastic sedimentary rocks were deposited in an off-shelf setting in a period from the latest Neoproterozoic to the Carboniferous (Stephens et al., 2004).

The Keno Hill district is part of the Tombstone Gold Belt (Stephens et al., 2004), a subset of the Tintina Gold Province (Hart et al., 2002). This area is characterized by a northerly-directed, fold-and-thrust belt which developed in the Late Jurassic to Early Cretaceous (Roots, 1997a, 1997b; Murphy, 1997). The Dawson, Tombstone and Robert Service thrusts are the products of this deformation across the northern part of the basin (Murphy and Roots, 1996; Roots, 1997a).

The Robert Service Thrust sheet contains Hyland Group (Late Proterozoic to Cambrian) sandstone and grit with rare limestone and minor maroon argillite, overlain by a Cambrian to Middle Devonian succession of dark coloured siltstone, limestone and chert. These strata, a component of the regional Selwyn Basin, are unconformably overlain by Upper Devonian Earn Group argillite, chert and chert pebble conglomerate (Murphy, 1997; Roots, 1997a, 1997b). To the north, the Tombstone Thrust sheet consists of highly strained Earn Group carbonaceous phyllite, felsic meta-tuff and metaclastic rocks, succeeded by Carboniferous Keno Hill quartzite that is thickened by internal recumbent folds or thrusts in the north central part of the map area. These units host the Ag-Pb-Zn veins of the Elsa-Keno Hill camp and the Au veins of the Mount Hinton area (Roots, 1997a, 1997b).

Jurassic (?) and Cretaceous contraction produced regionally developed penetrative fabrics and folds of various scales as well as thrust faulting. A domain of intensely-developed foliation and lineation underlies the northern half of the map area, imparted during two or more phases of movement on the Tombstone Thrust (Roots, 1997a, 1997b).

Two main intrusive suites of rock were emplaced into the western Selwyn basin after the regional deformation; the McQuesten Intrusive Suite, and the Tombstone Plutonic Suite (Murphy, 1997). The Tombstone Suite was emplaced around 92 Ma, and its rocks are associated with the Tombstone Gold Belt deposits in Yukon (Brewery Creek, Dublin Gulch, Scheelite Dome and Clear Creek) as well as the Pogo, Fort Knox and Donlin Creek deposits in Alaska (Hart et al., 2002).

Mineral Occurrences

The Roop Lakes batholith, which outcrops in the eastern part of the project area, is a late Cretaceous granite, quartz monzonite and granodiorite intrusion of the Tombstone Suite. It is widely-held to be the probable heat source for epi- and meso-thermal veins of the Elsa-Keno Hill mining camp (Roots, 1997a, 1997b).

Table 1 lists YUKON MINFILE (Yukon Geological Survey, 2018) mineral occurrences in the Upper Duncan/Keno Hill district. Most of these occurrences are polymetallic veins, consisting of silver, lead and zinc with various amounts of accessory gold. The host rock is mainly the Carboniferous Keno Hill Quartzite, however some veins are hosted in carbonaceous phyllite, felsic meta-tuff and metaclastic rocks of the Devonian Earn Group. A few mineralized polymetallic veins are hosted in the metaclastic rocks of the Late Proterozoic to Cambrian Hyland Group.

Table 1 – Selected Mineral Occurrences, Keno Hill and Upper Duncan area, from MINFILE (Yukon Geological Survey, 2018).

MINFILE NUMBER	DEPOSIT TYPE	STATUS
105M 001 KENO HILL - HISTORIC (Pb-Ag-Zn-Cd-Au-Sn)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 002 FAITH (Au-Zn-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 003 DUNCAN (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 004 GOLDEN QUEEN (Sb-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 005 SILVER BASIN (Ag-Pb-Au)	Vein Polymetallic Ag-Pb-Zn+/-Au	Prospect
105M 006 NABOB (Au-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 007 MONUMENT (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 008 COMSTOCK (Pb-Zn-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 009 APEX (Pb-Zn-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 010 VANGUARD (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 011 HOMESTAKE (Au-Zn-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 012 CHRISTINE (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Prospect
105M 013 MO (Au-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 014 MAYBRUN (Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 015 HOGAN (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 016 RUNER (Pb-Zn-Au-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 017 WERNECKE (Au-Zn-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 018 FORMO (Pb-Zn-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 020 PADDY (Pb-Ag-Zn-Au)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 021 EAGLE (Pb-Zn-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 022 FISHER (Au-Zn-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Anomaly
105M 023 PARENT	Unknown	Anomaly
105M 024 CREAM AND JEAN (Pb-Zn-Cu-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 025 NORD (As-Zn-Ag-Pb-Au)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect

MINFILE NUMBER	DEPOSIT TYPE	STATUS
105M 047 MT ALBERT (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 050 NERO (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 052 MT HINTON (Au-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 053 AVENUE	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 055 YONO (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 061 CRISTAL (Pb-Zn-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 062 SEGSWORTH (Pb-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 063 IRON CLAD	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 069 GAMBLER (Pb-Zn-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Past Producer
105M 070 HAVRENAK (Au-Ag-Pb)	Vein Polymetallic Ag-Pb-Zn+/-Au	Drilled Prospect
105M 073 BEMA (Au-Ag)	Vein Polymetallic Ag-Pb-Zn+/-Au	Showing
105M 082 BELLEKENO (Pb-Ag-Zn-Au-Sn-Cd)	Vein Polymetallic Ag-Pb-Zn+/-Au	Producer
105M 084 ONEK (Ag-Pb-Au-Zn-In)	Vein Polymetallic Ag-Pb-Zn+/-Au	Deposit
105M 085 LUCKY QUEEN (Ag-Pb-Zn-Au)	Vein Polymetallic Ag-Pb-Zn+/-Au	Deposit
105M 087 FLAME & MOTH (Au-Ag-Pb-Zn)	Vein Polymetallic Ag-Pb-Zn+/-Au	Deposit

Local Bedrock Geology

Figure 4 shows the bedrock geology and mineral occurrences of the Lightning Creek, Upper Duncan creek and Granite Creek area, modified from Roots, 1997b and Yukon Geological Survey, 2018. Mineralized vein/faults have been added from Wengzynowski, (2008).

Figure 5 shows the bedrock of the Upper Duncan Creek property in more detail. The western extent of the property is dominated by PCH1 (Proterozoic Hyland group (Yusezyu Formation) clastic metasediments, psammite and marble; this is fault-bounded by the Robert Service Thrust on its eastern extent by CT2 (Carboniferous to Permian Keno Hill Quartzite), which also forms a narrow graben that crosses the Upper Duncan Creek drainage in its mid-to upper reaches. Also in the east are outcrops of TrG (Triassic Galena Suite hornblende diorite and gabbro) which are entirely enclosed by the Keno Hill Quartzite. The Mount Hinton gold-silver veins occur in the headwaters of Upper Duncan Creek (MINFILE 105M 052) while the MO gold-silver vein occurrence (MINFILE 105M 013) lies to the north in the divide between Upper Duncan Creek and Thunder Gulch.

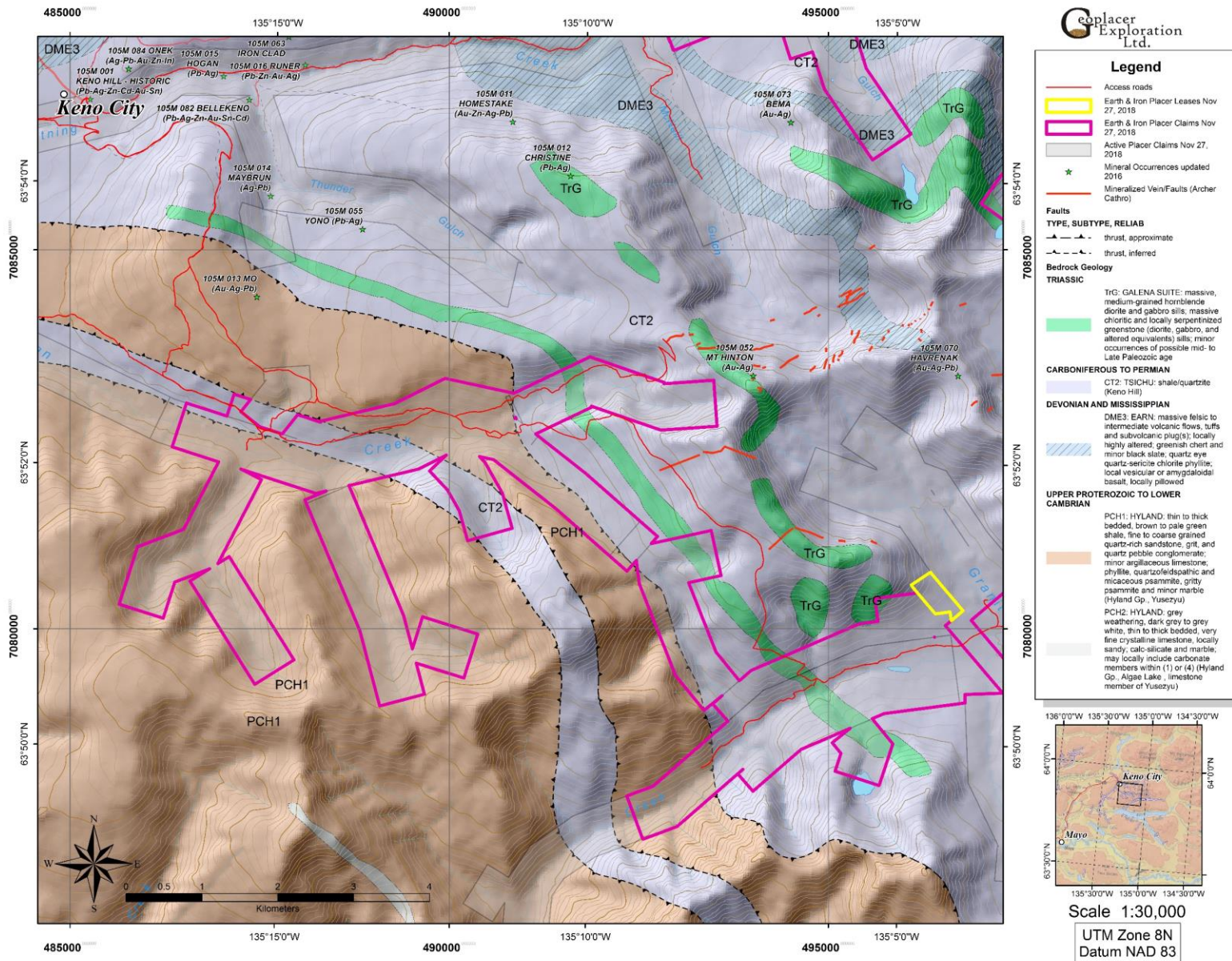


Figure 5 – 1: 30 000 scale map of bedrock geology of the Upper Duncan Creek area, including mineral occurrences from Yukon Minfile (Yukon Geological Survey, 2018).

Quaternary History

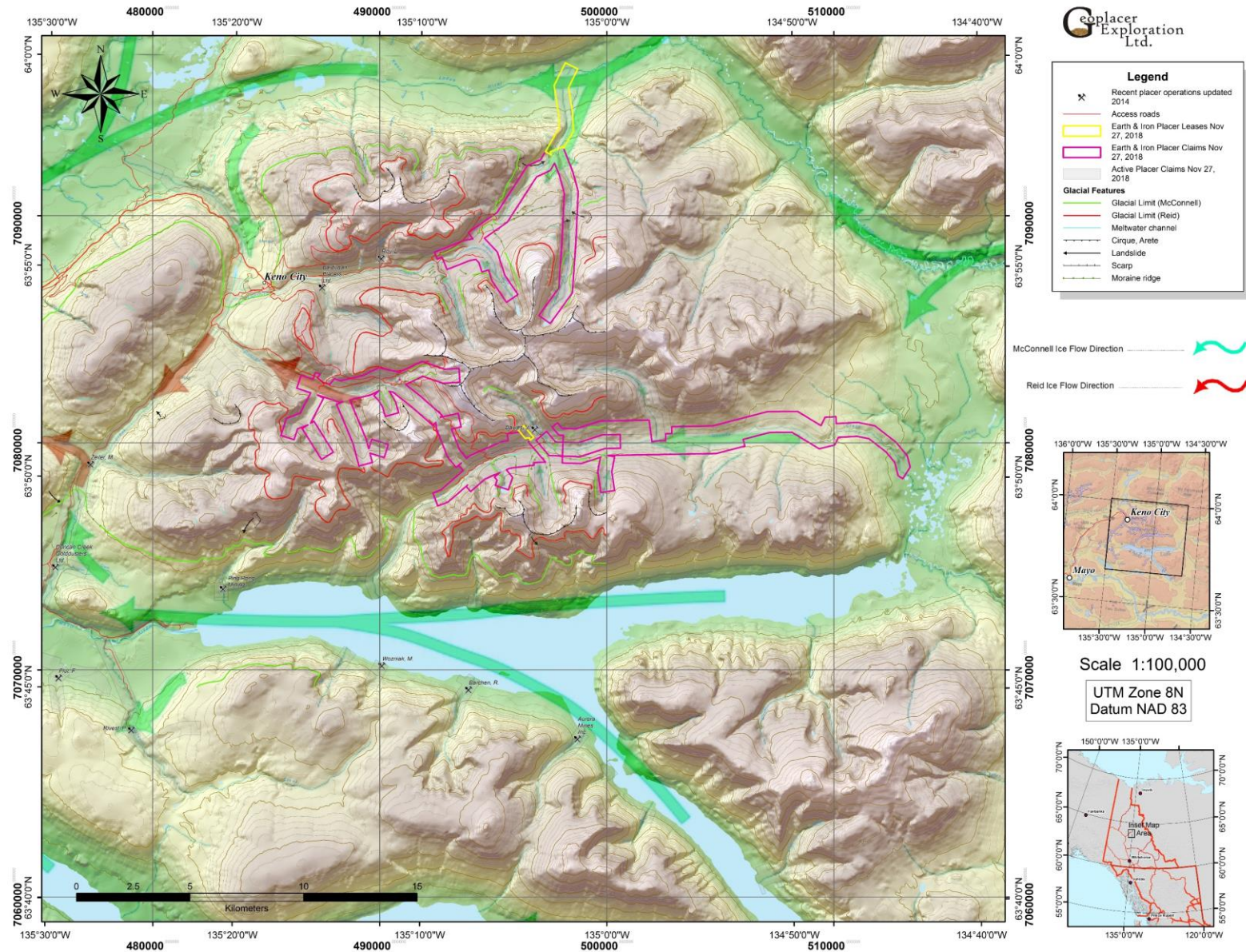
In the Mayo area, a minimum of four regional glaciations and two interglacial periods have influenced the deposition and erosion of sediments over the last 2.5 million years (Duk-Rodkin et. al., 2010; LeBarge et. al., 2002; Bond, 1996, 1997; Jackson et al., 2001). Glaciations include the pre-Reid (multiple early to mid-Pleistocene glaciations), Reid (130,000 years), and McConnell (14,000 -29,600 years). Warm, interglacial periods are indicated by relict paleosols such as the pre-Reid Wounded Moose paleosol (Tarnocai and Schweger, 1991) and the Reid Diversion Creek paleosol (Bond and Lipovsky, 2010).

During their maximum extent, pre-Reid ice sheets completely covered the Mayo/Keno Hill area. Undifferentiated pre-Reid surficial materials (moraine, glaciofluvial and glaciolacustrine deposits) are thick in the lowlands of Klondike Plateau and Tintina Trench, especially in areas proximal to the terminus of the pre-Reid glaciations.

During the subsequent Reid glaciation, glacial ice advanced from cirques formed in topographic highs such as Mount Hinton and Mt. Haldane, and coalesced with Cordilleran ice lobes which were advancing up-valley into the alpine areas. This resulted in a complex overlap assemblage of local alpine glacial sediments and more regionally-derived glacial sediments.

During the most recent (McConnell) glaciation, ice once again advanced from cirques in mountainous centres, however their advance was much less extensive than during previous glaciations. In most cases, McConnell ice advanced only short distances down-valley from their origins in the valley heads, depositing terminal moraines in the upper reaches of most valleys.

Figure 6 shows glacial limits and ice-flow directions for the Reid and McConnell glaciations in the Mayo area, after Bond (1999). This map shows that while the Reid glacial ice advanced down Upper Duncan Creek and coalesced with the Reid regional ice advance heading up Upper Duncan Creek, the McConnell glaciation was represented only by short alpine advances which left topographically obvious terminal moraines in the upper reaches of Upper Duncan Creek.



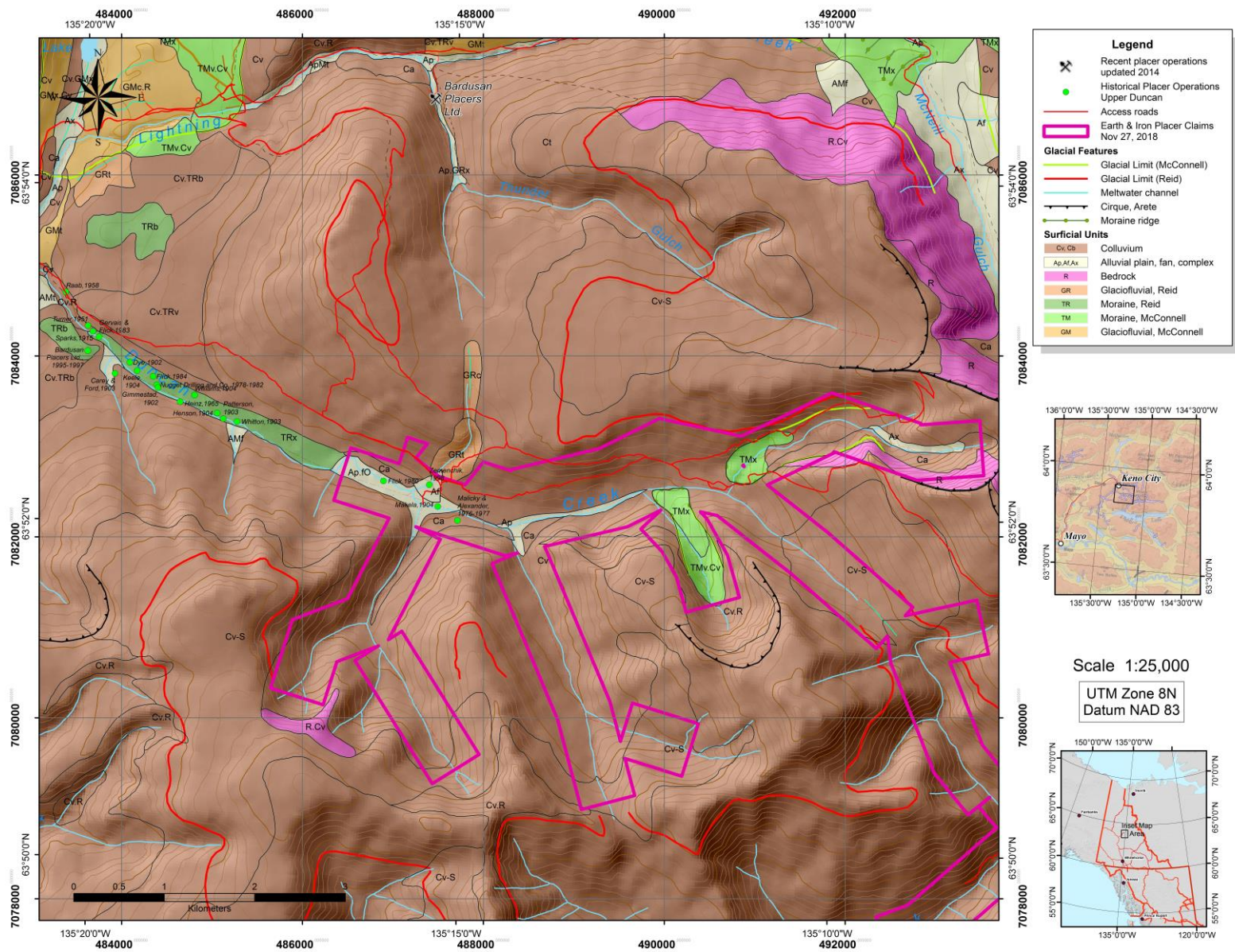


Figure 7 – 1: 25 000 scale map of surficial geology, Upper Duncan Creek, Mayo Mining District (after Bond, 1998). Historical operations (LeBarge, 2007) also shown.

Surficial Geology

Figure 7 is a 1:25,000 scale surficial map of the Upper Duncan drainage (modified after Bond, 1998) which also shows historical placer mining operations (after LeBarge, 2007).

Unconsolidated sediments in the Gustavus Range and the surrounding plateaus consist mainly of deposits from Cordilleran valley glaciers (continental ice sheet), alpine glaciers (local montane glaciers), colluvium, and minor alluvium. The surficial geology of the project area is complex, which is a result of the multiple glacial events that have occurred there over the last 1.5 million years.

The hills above the main drainages of Duncan, Upper Duncan and Lightning Creeks are mantled with colluvial deposits (veneers, blankets and aprons), while glacial erratics are found in the ridge tops and uppermost slopes. These were deposited when the pre-Reid glacial ice overtopped the hills in the region (LeBarge et.al., 2002; Bond, 1998).

Within and below the Reid glacial limit (shown as the red line in Figure 7), remnant deposits of Reid-age till line the valley bottoms and edges, and Reid glaciofluvial outwash channels lie along valley edges and on intervalley divides between third and fourth order drainages. In the lower reaches of Upper Duncan Creek, Reid-age till lies at the surface and confines the extent of the modern alluvial plain.

McConnell-age till forms moraines in the headwaters of most local drainages including Upper Duncan Creek (Mount Hinton) and Granite Creek. Deposits of McConnell glaciofluvial outwash lie along the valleys of Lightning Creek and Duncan Creek, and along the McQuesten River valley. McConnell-age alluvial and periglacial fans occur at the confluences of first order and second-order streams.

Modern alluvial fans, plains and complexes occur in all valleys, but are most prominent in larger, third to fourth order drainages. In some cases, alluvial fans have formed from re-activation and reworking of older deposits such as glaciofluvial terraces and eskers of Reid to McConnell age. Several of these fans are present on Upper Duncan Creek at the confluences of tributary valleys.

Placer Exploration and Mining History

The discovery of placer gold in the Mayo district began on the Stewart River in 1883, when a party of prospectors worked from the mouth of the Stewart River to the McQuesten River (Mayo Historical Society, 1990). Between 1885 and 1886, it is estimated that up to 14,500 fine ounces (451 000 g) was recovered by hand (Mayo Historical Society, 1990).

In 1892, Ray Stewart discovered gold on the McQuesten River, and in 1895 placer gold was noted on Haggart Creek. Discovery claims were recorded on Johnson and Haggart Creeks in 1898.

In the same year, gold was discovered on Duncan Creek in the area just downstream of the canyon, where Upper Duncan Creek joins Duncan Creek. Most of the hand-mining in the early days took place at this location and farther upstream on Upper Duncan Creek (LeBarge, 2007).

The discovery of placer gold on Duncan Creek in 1898 is credited to Mr. Gustavus Gustavus and his two sons (Mayo Historical Society, 1990). These three were very secretive, and to help conceal the location of their ground they decided not to stake or record claims over it. They began to arouse curiosity and one day a party of four prospectors - Colin Hamilton, Duncan Patterson, Allan McIntosh and Jacob Davidson went looking for their ground. After a long search, the Scotsmen found the Swedes' workings. On the 15th of September 1901, they located a Discovery Claim in the canyon on what was named Duncan Creek. This claim was staked during the absence of the Swedes and included the ground already worked by them. The Gustavus's, finding their ground legally staked, soon left the country.

By the end of 1902 Duncan Creek was staked from the headwaters to the mouth. Numerous cabins were built and preparations were made to develop the ground. The government constructed a wagon road from the mouth of the Mayo River to Duncan Creek. Two town-sites were located: one at Mayo River and one at Gordon Landing on the bank of the Stewart River.

During 1902, at Claim #104 Below Discovery (approx. 4.3 miles (7 km) below the canyon) a shaft was sunk a depth of 138 ft. (42 metres) without hitting bedrock. Other attempts were made in the area and numerous shafts reached 108 ft. (33 metres) in depth without reaching bedrock, mostly due to flooding by ground water. During 1903, at Claim #53 Below Discovery, a shaft sunk on the left limit hit bedrock at 105 ft. (32 metres). Drifting towards the creek was started, but just as the drift began to hit good pay, the groundwater became more than the pump could handle and the drift was abandoned. Total clean-up for this operation was \$1200.

The busiest year on Upper Duncan Creek was 1903, with \$30,000 produced from the canyon claims. Much work was also done in 1904, with \$15,000 being produced from the canyon. Lower Duncan Creek produced very little during the early years, mostly due to excessive ground water.

During the period 1913-1916, J. A. Walsh, W. L. Bramley and J. Adair did considerable developmental work as well as some mining on Lower Duncan Creek, and some prospecting was done on the benches. By 1915, nine men were working; five on Upper Duncan, one near the forks (canyon) and three on Lower Duncan. By 1932 only one operation existed, on Upper Duncan Creek.

In 1940-41 Mr. C.E. Fisher mined ground worth 50 cents per yard above the bridge, and Mr. Ellis Johnson worked Claim #54 Above Discovery reporting "good prospects" on bedrock at 92 feet (28 metres). The locations of these operations are undocumented, but they may be on Upper Duncan Creek.

By the end of the 1950's, interest was renewed on Duncan Creek. Fred Taylor began testing a one-mile lease on lower Duncan Creek, and several United Keno Hill Mine employees started small operations in the canyon.

During 1965-1966 Mr. and Mrs. Heinz prospected and test-mined two one-mile leases on Upper Duncan Creek, producing 50 ounces.

In the 1960's, drilling by United Keno Hill Mines showed gravels to be about 167 ft. (51 metres) thick one mile (1.6 km) below Lightning and about 98 ft. (30 metres) thick 2 miles (3 km) below the confluence of Lightning and Duncan creeks. Some gold values were reported.

Between 1975 and 1977, Frank Taylor and J. Brooks (working as Duncan Creek Golddusters Ltd.) worked the left limit of lower Duncan Creek 1.5 miles (2.5 km) from the mouth.

Between 1978 and 1982, six operations were active at various locations along Duncan Creek and Upper Duncan Creek, including C. French and N. Bunka, D. Flick and G. Gervais, M. Alexander, Frank Taylor and Nugget Drilling. Four operations were active between 1983 and 1984, including N. Bunka, C. Deeks and E. Jarvis; D. Flick and G. Gervais; and Frank Taylor. Between 1985 and 1990, Frank Taylor and his family mined on lower Duncan Creek.

From 1989 to 1990, Sasha Mining mined on lower Duncan Creek. In 1996, Bruce Rittel hand-trenched on a terrace along lower Duncan Creek.

Bardusan Placers Ltd. mined a cut on Upper Duncan Creek just above the canyon between 1996 and 1997. Mr. Zemenchik did a small exploratory mining cut on Upper Duncan Creek in the vicinity of a right limit alluvial fan between 1998 and 2000.

Between 2001 and 2002, some claims located immediately below the waterfalls were leased to Larry Arnevik and Ricker Anderson by Joe Raab. Two cuts were completed in 2001. The narrow channel and tight, steep canyon walls made these claims a challenge to mine.

Mr. Mel Zeiler conducted testing operations on lower Duncan Creek from 2003 to 2005 and in 2007 and 2008.

Duncan Creek Golddusters on lower Duncan Creek have been continuously active since 1977, and they continued to mine in the 2017 and 2018 mining seasons.

Historical placer mining operations on Upper Duncan Creek are given in Table 2.

Table 2 - Historical placer mining operations, Upper Duncan Creek.

Operation	Status	Latitude	Longitude
Nugget Drilling and Co.,1978-1982	Recent Producer 1978-present	63° 52' 48" N	135° 19' 4" W
Bardusan Placers Ltd.,1995-1997	Recent Producer 1978-present	63° 53' 0" N	135° 20' 0" W
Flick,1984	Recent Producer 1978-present	63° 52' 51" N	135° 19' 7" W
Gervais & Flick,1983	Recent Producer 1978-present	63° 53' 5" N	135° 19' 51" W
Flick,1980	Recent Producer 1978-present	63° 52' 14" N	135° 16' 0" W
Malicky & Alexander,1976-1977	Historical Producer	63° 52' 0" N	135° 15' 0" W
Heinz,1965	Historical Producer	63° 52' 42" N	135° 18' 45" W
Raab,1958	Historical Producer	63° 53' 21" N	135° 20' 18" W
Turner,1951	Historical Producer	63° 53' 9" N	135° 20' 0" W
Sparks,1915	Historical Producer	63° 53' 7" N	135° 19' 56" W
Keele,1904	Historical Producer	63° 52' 53" N	135° 19' 20" W
Henson,1904	Historical Producer	63° 52' 38" N	135° 18' 15" W
Makela,1904	Historical Exploratory	63° 52' 5" N	135° 15' 16" W
Williams,1904	Historical Producer	63° 52' 44" N	135° 18' 33" W
Patterson,1903	Historical Exploratory	63° 52' 36" N	135° 18' 10" W
Carey & Ford,1903	Historical Producer	63° 52' 52" N	135° 19' 38" W
Whitton,1903	Historical Exploratory	63° 52' 35" N	135° 17' 59" W
Dye,1902	Historical Exploratory	63° 52' 56" N	135° 19' 26" W
McKinnon and McIntosh,1902	Historical Exploratory	63° 1' 0" N	135° 19' 8" W
Gimmestad,1902	Historical Producer	63° 52' 47" N	135° 19' 3" W
Zemenchik, 1998	Exploratory	63° 52' 12" N	135° 15' 22" W

Government placer gold royalty records prior to 1978 are incomplete, however more detail can be found in subsequent years, which are given in Table 3. This table shows that over 165,000 crude ounces have been recorded in the Mayo Mining District between 1978 and 2015.

Table 3 - Placer gold production from reported gold royalties, Mayo Mining District. Figures are in crude (raw) ounces.

STREAM or RIVER	Tributary to	2011	2012	2013	2014	2015	1978-2015
Anderson	Mayo Lake	319.51	80.48	13.58			938
Bear (Van Bibber)	McQuesten						1448
Carlson	Minto						105
Davidson	Mayo River		113.9	310.6	884.6	735.46	4432
Dawn	Mayo Lake						15
Dirksen	Mayo Lake						31
Dublin Gulch	Haggart		3.2	16.3			13099
Duncan	Mayo River	294.54	236.44	241.7	246.03	279.36	34718
Empire	No Gold				7.54		1012
Gem	Sprague						428
Goodman	South McQuesten						37
Granite Creek	Mayo Lake					1249.16	1249
Haggart	McQuesten	3.05		3.7	2.8	2.39	24508
Hight	Minto		117.82	30.62	84.9	29.96	40450
Hope Gulch	Lightning						8
Jarvis	Minto			10.67			17
Johnson	McQuesten						5437
Ledge	Mayo Lake						5815
Lightning	Duncan		304.78			0.83	11624
McQuesten	Stewart					9.24	114
Minto	Mayo River			27.31	65.13	199.42	1547
Morrison	Seattle						16
Murphy's Pup	South McQuesten	5.35	18.294	21.5	15.56		159
Owl	Mayo Lake	153.01					3642
Russell	Macmillan						287
Seattle	McQuesten					83.6	292
Secret	Swede	79.16	148.81	155.3	224.92	20.77	693
Steep	Mayo Lake						709
Stewart	Yukon						872
Swede	Haggart		16.3				4347
Thunder	Lightning	532.96	394.29		578.8	508.06	5006
Vancouver	McQuesten						928
Various Mayo Creeks		10.3					1589
Total Mayo District		1397.88	1434.314	831.28	2110.28	3118.25	165569

2016 Placer Exploration Program

Introduction

In 2016, the exploration program consisted of geological evaluation and targeting of potential placer gold zones, limited auger drilling, resistivity geophysical surveys, RAB (rotary air blast) drilling, excavator test-pitting and ground magnetometer surveys. Figure 8 shows the main test areas and pit locations. Several bulk samples were processed and analyzed for gold character and content.

Auger drilling

Two auger drill holes (SAM 9.5-1 and SAM 9.5-2) were collared on the property near the camp, but were only able to drill approximately 35 feet each. Bedrock was not reached.

Ground Magnetometer Survey

Groundtruth Exploration Inc. conducted a ground magnetometer survey in the area of the alluvial fan on July 10 and 11, 2016. Approximately 6.25 line km of data was acquired. A digital elevation model (DEM) was created from the GPS altitude. The final TMI grid was produced from diurnal-corrected and IGRF-reduced data, and an 8m grid cell size was used.

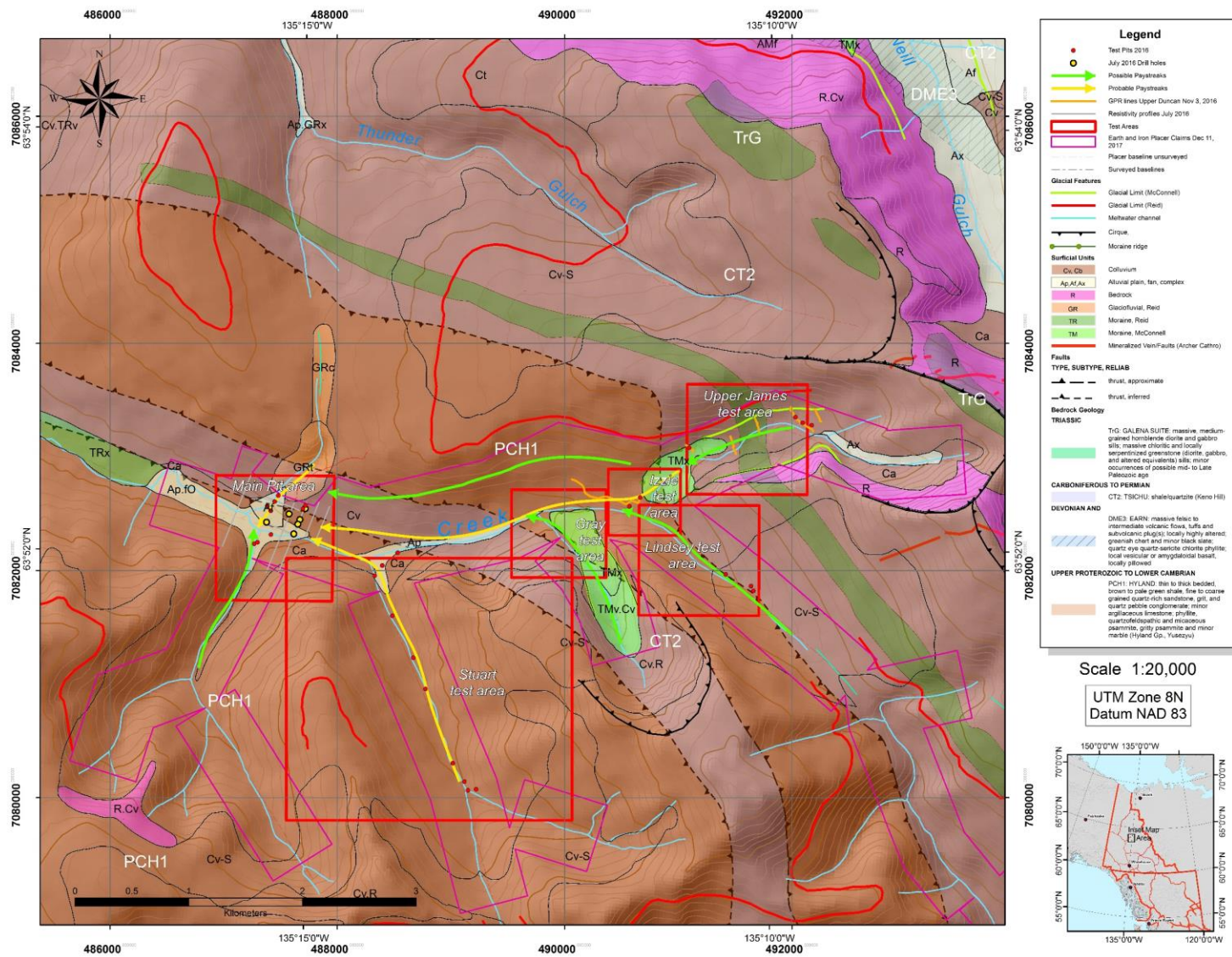
The area of the alluvial fan appeared as a magnetic low, with some linear magnetic anomalies (highs) running parallel to the valley of Upper Duncan Creek. In comparison, the magnetic survey by Wengzynowski, (2008) shows only a broad high throughout the field area. This likely demonstrates that the magnetic anomalies in the ground magnetometer survey are a signature of magnetic mineral (magnetite) accumulations in the alluvial material, rather than a bedrock feature. Additionally, the magnetic low of the alluvial fan appears to obscure the magnetic signature of the paleochannels which run beneath it, and on the upstream and downstream sides of it.

Resistivity Geophysical Surveys

Groundtruth Exploration Inc. ran a total of 10 lines of resistivity geophysical surveys on the property in the vicinity of the SAM 5 to SAM 10 placer claims. The traces of these lines are shown on Figure 11. Line 2016-03 is shown as Figure 12 as an example.

RAB Drilling

A total of 6 RAB drill holes were collared on the property on the SAM claims, targeting interpreted paleochannels identified in the resistivity geophysical profiles. Bedrock was intersected in most holes at depths between 45 and 75 feet (LeBarge, 2017). Bedrock contacts and other lithological contacts were garnered from the drill logs, and this information was then plotted to scale on the resistivity profiles.



Ground Penetrating Radar Surveys

A total of 8 lines totalling 1741 metres were surveyed in 2016 on the Upper Duncan Creek drainage, located on the James 9-17 and Izzie 11-15 placer claims. Boris Logutov of 47129 Yukon Inc. conducted the geophysical surveys and interpreted the profiles. Detailed interpretations are contained in LeBarge and Logutov (2016).

The GPR survey was conducted using the GPR instrument “EasyRad PRO+”, equipped with antenna with a working frequency of 100 MHz and a practical resolution of 0.2 m. The survey data was analyzed using the software program Prism 2.5. Survey lines were georeferenced in the field by recording the tracks and start and end points on a hand-held GPS. The results of the conducted surveys showed discernment of the main lithological units and the bedrock contact at depths of up to 43 m. All ground penetrating radar survey lines started in the valley (south) and ended on or near the road (north). Table 4 shows the lengths of the lines and maximum depth of bedrock encountered in the surveys.

Table 4 – GPR Line lengths and interpreted depths to bedrock on Upper Duncan Creek in 2016.

Line number	Elevation of centre (m)	Length (m)	Maximum Depth to Bedrock (m)
GPR Line 2	1478	336.63	27
GPR Line 3	1507	131.25	41
GPR Line 4	1446	149.06	23
GPR Line 5	1399	175.31	38
GPR Line 6	1373	103.85	19
GPR Line 6.1	1358	101.64	19
GPR Line 8	1247	685.75	26
GPR Line 9	1260	57.93	39

Excavator Test Pitting

A test-pitting program was conducted in several areas throughout the Upper Duncan property in 2016. The excavator used was a JSB JS220. Figure 8 shows the location of the 2016 test pits throughout the property. They were located in three main areas – the Main Pit/Fan (Sam claims); the Stuart Claims Tributary; and the James and Lindsay Claims in the uppermost reaches of Upper Duncan Creek. All pits were described as to their geology and stratigraphy and most were sampled for placer gold content.

Stuart Claims Tributary

Excavator test pit sampling on the Stuart claims tributary showed promising results from several samples. Samples were relatively small, all less than 15 cubic metres in volume.



Figure 9 - Gold from sample S-3 (Test Pit 2016-11) on the Stuart claims tributary was a mixture of coarse to medium colours, and weighed approximately 100 mg. The sample volume was 7.64 cubic metres.

James, Izzie and Lindsay claims (including upper moraines)

Samples J-1 (Pit 2016-18) and J-2 (Pit 2016-19) were both excavated in the upper moraine area. Each sample was approximately 20 cubic yards; and fine, silvery angular colours were noted in the initial concentrates in the field.

Excavator test pits 2016-22, 2016-23 and 2016-24 were dug on the Lindsay claims tributary. Only hand test pans were done, and a few very fine colours were noted.

Conclusions and Recommendations – 2016 Program

The 2016 program which used the combined methodologies of resistivity surveys, magnetometer surveys, ground penetrating radar surveys, RAB drilling and excavator test pitting was key to building a stratigraphic framework and exploration model.

The resistivity geophysical surveys appeared to define contacts including paleochannels which were traceable from one profile to the next, in cross-valley directions up and down-valley and parallel to the valley along the alluvial fan. Drill hole and test pit calibrations aided in the discernment of contacts in the profiles, however discontinuous permafrost and variable groundwater content complicated the possible interpretations. Potential paleochannels identified in the resistivity profiles and confirmed by the RAB drilling also appeared to coincide with linear magnetic anomalies identified by the magnetometer survey.

Ground penetrating radar appeared to show depths to bedrock, although the surveys have not yet been confirmed by other methods. Interpretation of the ground penetrating radar surveys was aided by the fact that several of the radar profiles started or ended near actual bedrock contacts in the valley sides. In addition, Test Pit 2016-20 coincided with GPR line GPR-6.1. In this case, the interpreted depth to bedrock (5m or 15 ft) on the radar line at the location of the test pit corresponded exactly to the depth that bedrock was encountered in the pit. Although it was usual to distinguish unconsolidated overburden material from bedrock, it was only rarely possible to distinguish other lithological contacts in the GPR profiles. Possible paleo-alluvium was identified in profiles GPR-02, GPR-05 and GPR-08. Significant paleochannel targets were identified in lines GPR-08 and GPR-09.

The main recommendations at the conclusion of the 2016 program were:

- 1) A large bulk sample for the Main pit area and areas immediately adjacent, including the meltwater channel pit just upstream of the Main pit, and
- 2) In the rest of the property including all tributaries, an extensive program of geophysics followed by drilling and test pitting of identified targets, in order to gauge or confirm interpreted depths to bedrock, paleochannels, lithological contacts and placer gold content.

2017 Placer Exploration Program

Introduction

In 2017, the exploration program on the Upper Duncan drainage (outside of the main pit/test mining area) consisted of 31 resistivity lines (totalling 6405 m) as well as limited excavator test pitting and bulk sampling. Work was conducted between June 2 and August 30th, 2017. Five main areas were targeted: the James claims (upper moraines), the Izzie claims, the Lindsay claims, the Gray claims and the Stuart claims. These areas are shown on Figure 10.

Resistivity Surveys

General Results

Overall, interpretation of potential bedrock contacts was possible in most of the surveys, and this was dramatically improved by the presence of nearby or adjacent test pits. Extensive permafrost in some survey areas generally increased the uncertainty of the interpreted results. Permafrost was more continuous on north facing slopes, and was discontinuous on south-facing slopes and in parts of the valleys with high water saturation. In these areas, contrasts between low and high resistivity values may have been partially or wholly a reflection of varying groundwater and permafrost conditions rather than strictly lithological boundaries, however there was enough information to identify drill targets for further exploration.

Table 5 outlines the lengths and locations of these lines, and detailed interpretations follow.

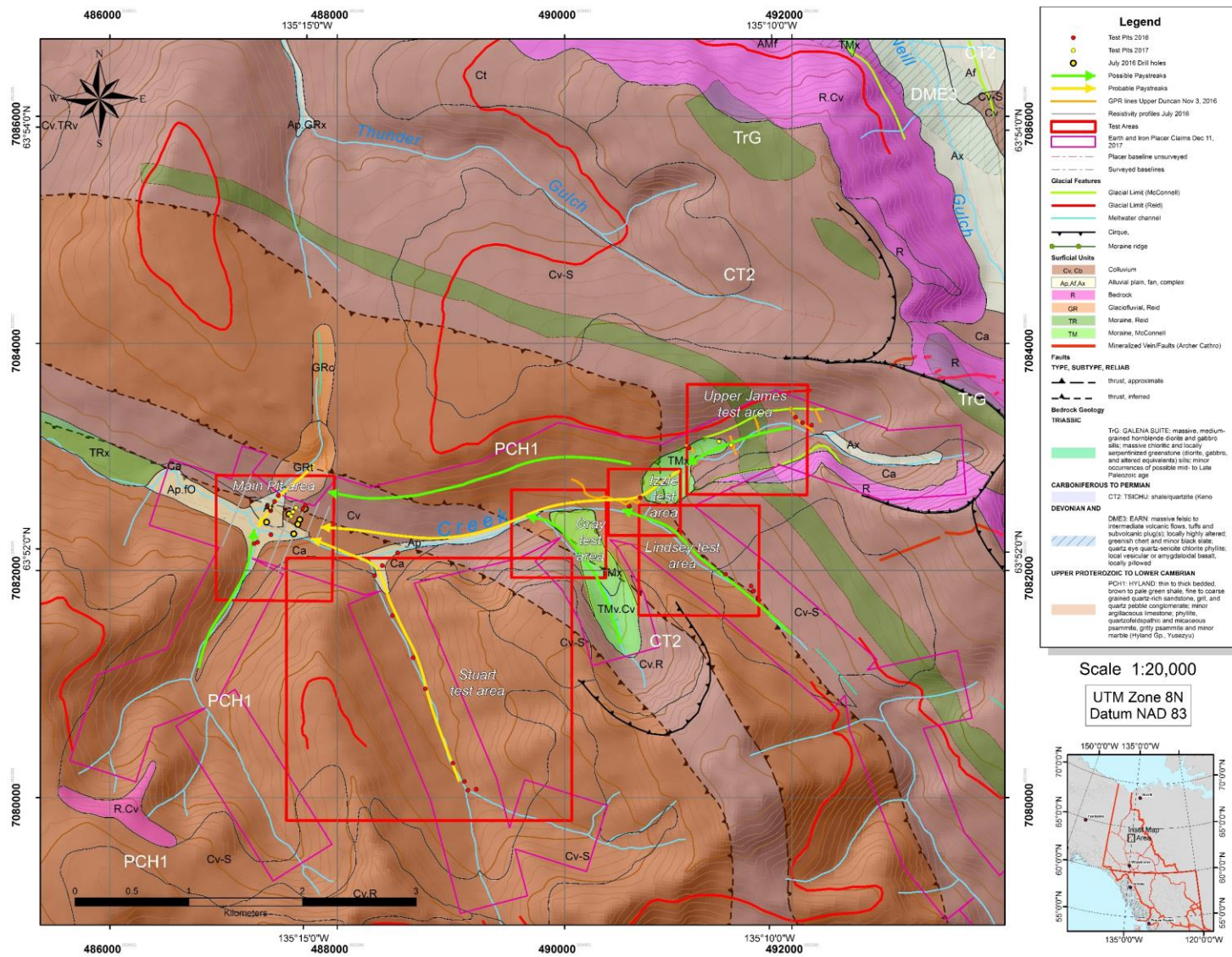


Figure 10 – Compilation surficial and bedrock geology map (after YGS, 2018) showing areas/tributaries explored in 2017, as well as possible paystreaks.

Table 5 – 2017 Resistivity line names with lengths and start and end GPS points.

Resistivity Line Name	Start Point				End Point				Length (m)
	Latitude	Longitude	Northing	Easting	Latitude	Longitude	Northing	Easting	
RES17-GRAY1-01	63.86735	-135.20318	7082248.562	490014.8615	63.86833	-135.20049	7082357.308	490147.3274	200
RES17-GRAY2-01	63.86494	-135.19903	7081979.007	490218.1163	63.86575	-135.19615	7082068.952	490359.7382	200
RES17-IZ12-01	63.87088	-135.19998	7082641.059	490173.3799	63.86856	-135.20166	7082383.541	490090.2881	300
RES17-IZ12-02	63.86976	-135.19864	7082516.602	490238.8496	63.87004	-135.20426	7082548.644	489962.9859	300
RES17-IZ13-01	63.87020	-135.19451	7082564.649	490441.8574	63.87241	-135.19292	7082810.463	490520.7653	300
RES17-IZ14-01	63.87095	-135.19094	7082648.097	490617.7687	63.87241	-135.19303	7082811.086	490515.2492	200
RES17-IZ14-02	63.86999	-135.19155	7082540.889	490587.5151	63.87080	-135.19032	7082630.742	490648.09	115
RES17-IZ14-03	63.87008	-135.19333	7082551.851	490500.1736	63.87158	-135.19240	7082718.633	490546.0331	180
RES17-IZ14-04	63.87103	-135.19122	7082656.828	490604.0026	63.87025	-135.19228	7082570.392	490551.5033	100
RES17-IZ14-05	63.87064	-135.19355	7082614.209	490489.3975	63.87296	-135.19510	7082873.064	490413.9634	300
RES17-IZ14-06	63.86999	-135.19234	7082540.947	490548.5912	63.87135	-135.19038	7082692.294	490645.1085	200
RES17-IZ15-01	63.87017	-135.18971	7082561.055	490678.0048	63.86954	-135.19071	7082491.003	490628.4993	100
RES17-IZ15-02	63.87036	-135.18771	7082581.586	490776.0959	63.86914	-135.18981	7082446.442	490672.5535	200
RES17-IZ15-03	63.87063	-135.18920	7082612.053	490702.9016	63.87059	-135.18744	7082606.842	490789.7046	100
RES17-IZ15-04	63.87016	-135.18900	7082559.73	490716.9433	63.87165	-135.18769	7082725.133	490777.6938	200

Resistivity Line Name	Start Point				End Point				Length (m)
	Latitude	Longitude	Northing	Easting	Latitude	Longitude	Northing	Easting	
RES17-IZ15-05	63.87110	-135.18876	7082664.6	490724.6282	63.86938	-135.19101	7082472.643	490613.7367	300
RES17-IZ16-01	63.86925	-135.18763	7082457.6	490779.8822	63.86869	-135.18902	7082395.634	490711.4378	100
RES17-IZ8-01	63.86842	-135.20938	7082368.8	489710.7892	63.87039	-135.21286	7082588.822	489540.472	300
RES17-IZ8-02	63.86843	-135.20941	7082370.4	489709.1426	63.86955	-135.20677	7082494.144	489839.4905	200
RES17-JM11-01	63.87810	-135.16300	7083441.0	491992.853	63.87601	-135.16092	7083207.495	492094.3525	300
RES17-JM14-01	63.87593	-135.17400	7083200.6	491451.6658	63.87393	-135.17284	7082977.034	491508.167	250
RES17-JM15-01	63.87618	-135.17640	7083227.2	491329.8055	63.87359	-135.17675	7082939.458	491311.3968	300
RES17-JM16-01	63.87552	-135.18020	7083155.4	491147.0862	63.87345	-135.17780	7082925.054	491264.2542	300
RES17-LN4-01	63.86427	-135.16980	7081900.2	491654.5093	63.86393	-135.17156	7081863.43	491567.7395	100
RES17-SM216-01	63.86411	-135.23503	7081892.4	488448.2183	63.86386	-135.23747	7081865.907	488328.5187	150
RES17-SM217-01	63.86558	-135.23513	7082056.3	488443.9642	63.86471	-135.23799	7081960.563	488303.1094	200
RES17-ST13-01	63.84822	-135.21925	7080119.6	489217.9674	63.84729	-135.22215	7080016.118	489074.7458	195
RES17-ST14-01	63.84709	-135.21403	7079992.9	489474.3262	63.84630	-135.21546	7079904.476	489403.33	145
RES17-ST2-01	63.86169	-135.23311	7081623.4	488541.8158	63.86105	-135.23612	7081552.187	488393.5177	185
RES17-ST4-01	63.85838	-135.22932	7081253.6	488726.8591	63.85789	-135.23223	7081199.42	488583.3241	190
RES17-ST9-01	63.85231	-135.22342	7080576.4	489014.6469	63.85213	-135.22687	7080557.04	488844.7174	195

Targeted Areas and Interpreted Profiles

James Claims (Upper Duncan moraines)

The James tributary originates in a steep cirque on the east side on Mount Hinton, which is the locale for significant gold-bearing mineralized bedrock (Minfile #105M 052 MT. HINTON). The proximity to this known bedrock gold source makes the James tributary a good prospect for placer gold. The local bedrock is of two types: Keno-Hill quartzite, and Triassic diorite. Both Reid and McConnell glacial features are mapped (Bond, 1998), however the main landforms are McConnell glacial moraines which extend along the whole length of the James claims. Contacts between bedrock units, such as the local quartzite with diorite intrusions, can be rich gold hosts due to increased mineralization along the contacts between the units.

Four resistivity profiles were surveyed on the James claims, shown on Figure 11. From upstream to downstream, these profiles are: RES17-JM11-01, RES17-JM14-01, RES17-JM15-01, and RES17-JM16-01. Profiles RES17-IZ14-01 and RES17-IZ14-05 are parallel to these but lie farther downstream, and are described in the IZZIE claims in the subsequent section following.

Evidence of a contact between the Keno-Hill quartzite and the Triassic diorite intrusion may be evident in resistivity section RES17-JM11-01 (Figure 12). The target in Figure 12 may include the fault or contact zone, and confirming this would assist in the understanding of the geology in the upper James tributary. Confirmation of the contact or fault and of Reid till located close to the known Mt. Hinton gold source makes the upper James claims a target for further ground investigation with test pits or drilling to confirm depths interpreted in the resistivity pseudosections.

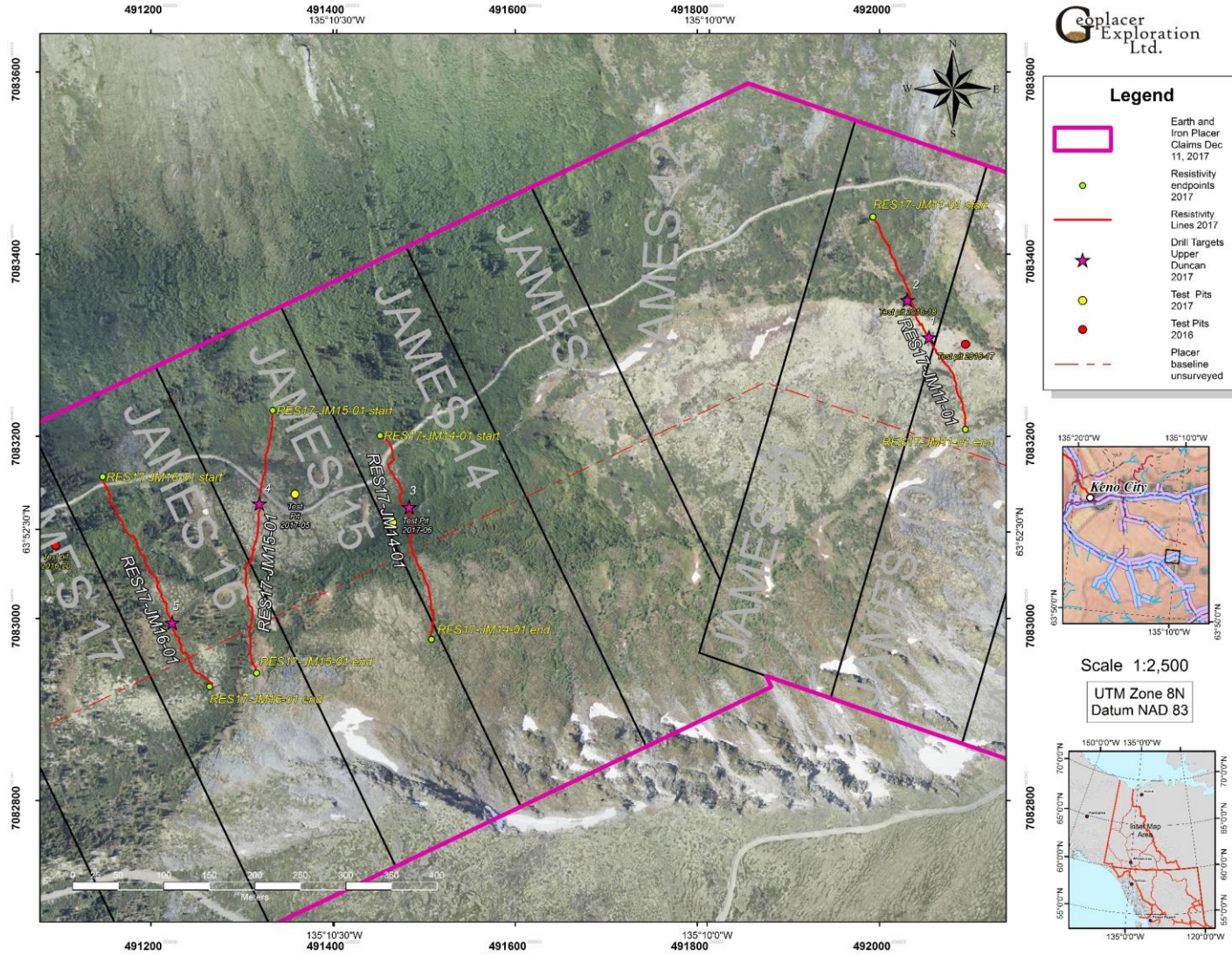


Figure 11 - Upper James claims in the upper moraines of Upper Duncan Creek, showing 2017 resistivity lines, 2016 and 2017 test pits, and proposed drill targets.

RES17-JM11-01

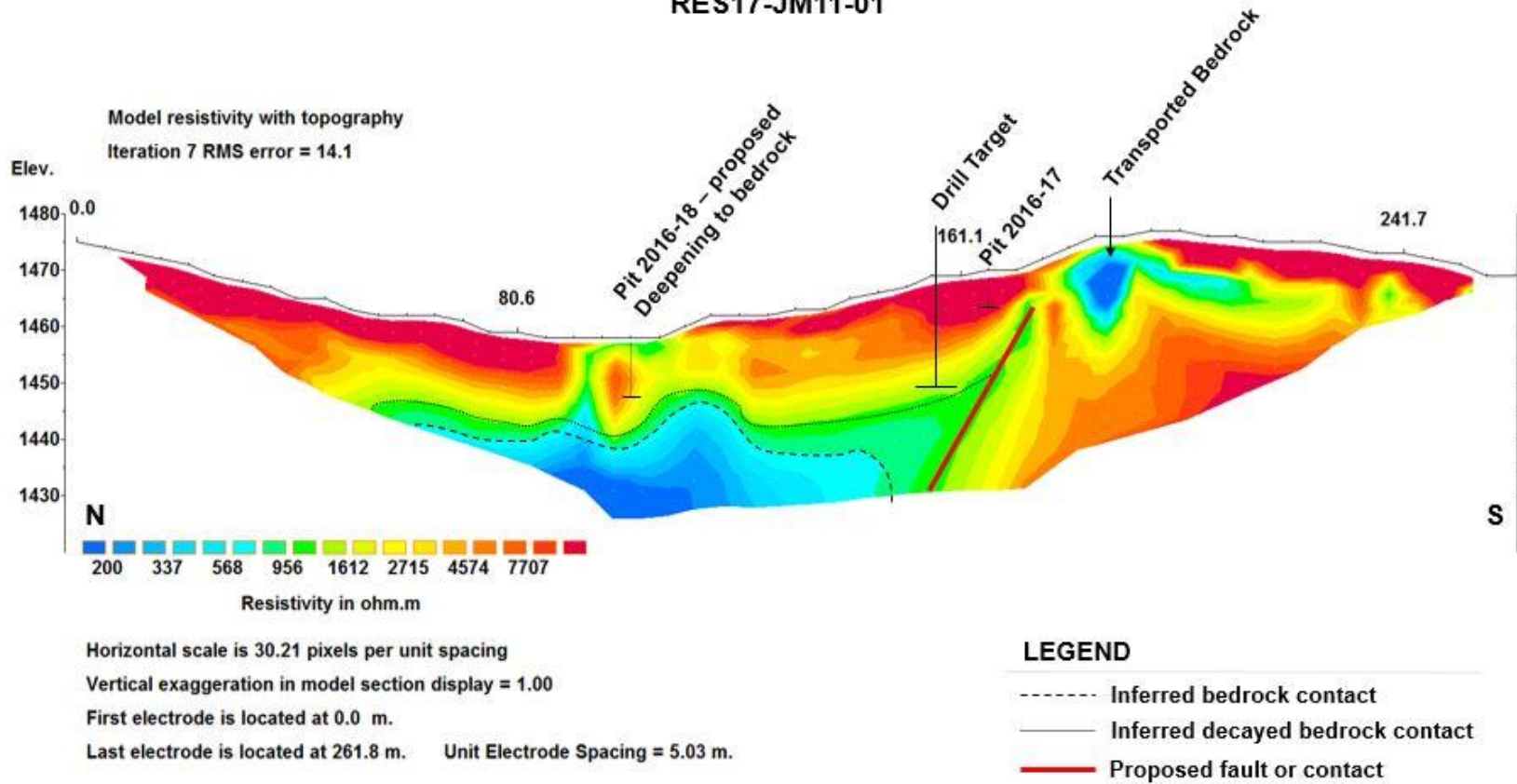


Figure 12 - RES17-JM11-01 is located at the upper end of the James tributary near the Mt. Hinton Cirque, and was surveyed across Test pits 2016-18 and 2016-17, which did not reach bedrock. The bedrock contact was interpreted by comparison of depths to downstream Test pit 2017-05, which reached bedrock. Transported bedrock was observed in the south end of the section and is the interpretation of the strong low resistivity anomaly shown. Proposed exploration includes deepening Test Pit 2016-18 and drilling in the area of the possible fault, which may separate two types of bedrock.

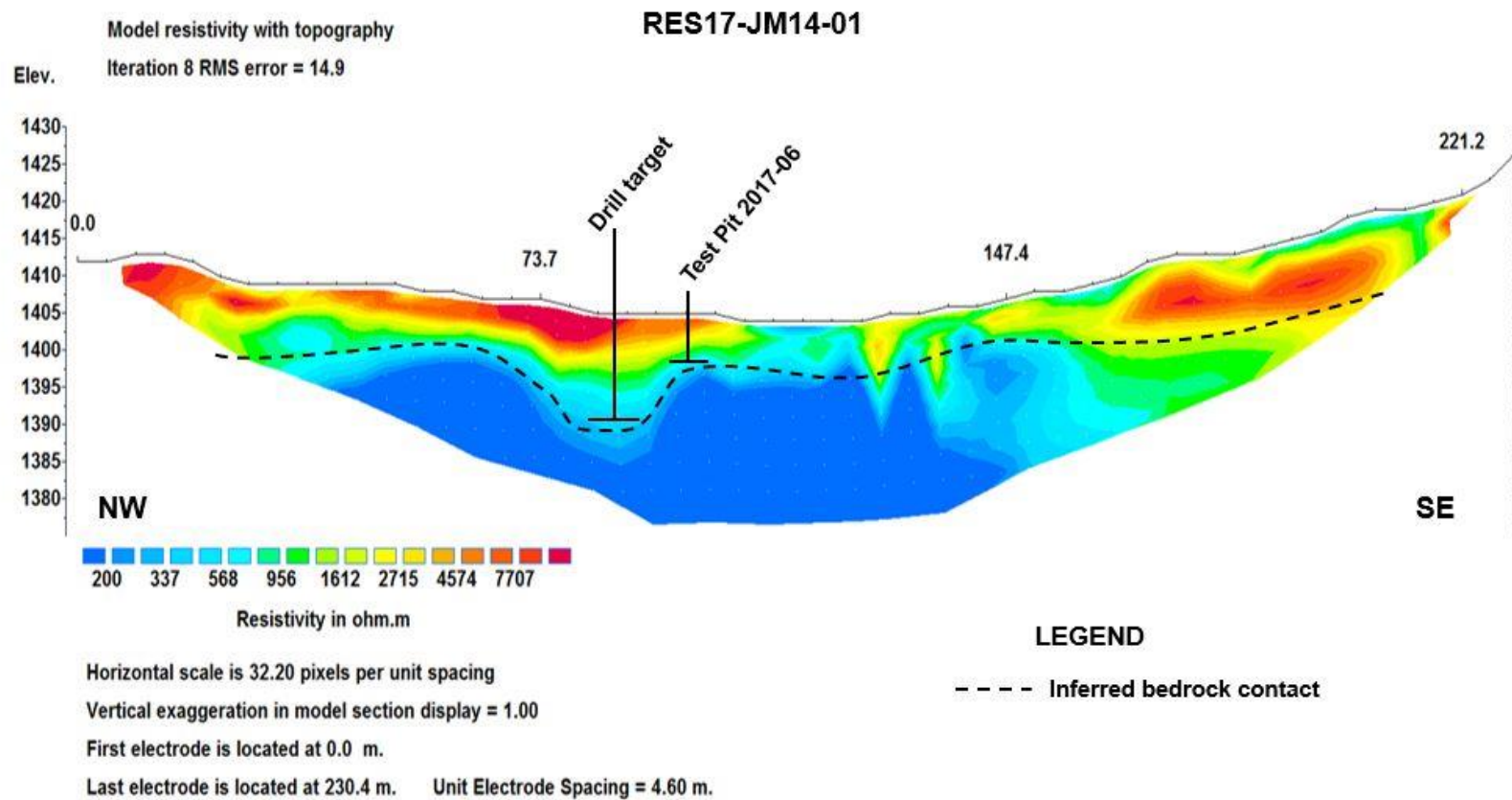


Figure 13 - RES17-JM14-01 is downstream of RES17-JM11-01. This profile has an interpreted bedrock contact that gently undulates except for a bedrock depression, which is a proposed drill target at 85 metres. Test Pit 2017-06 appears to have reached bedrock at approximately 7 m in a location adjacent to the bedrock depression.

RES17-JM15-01

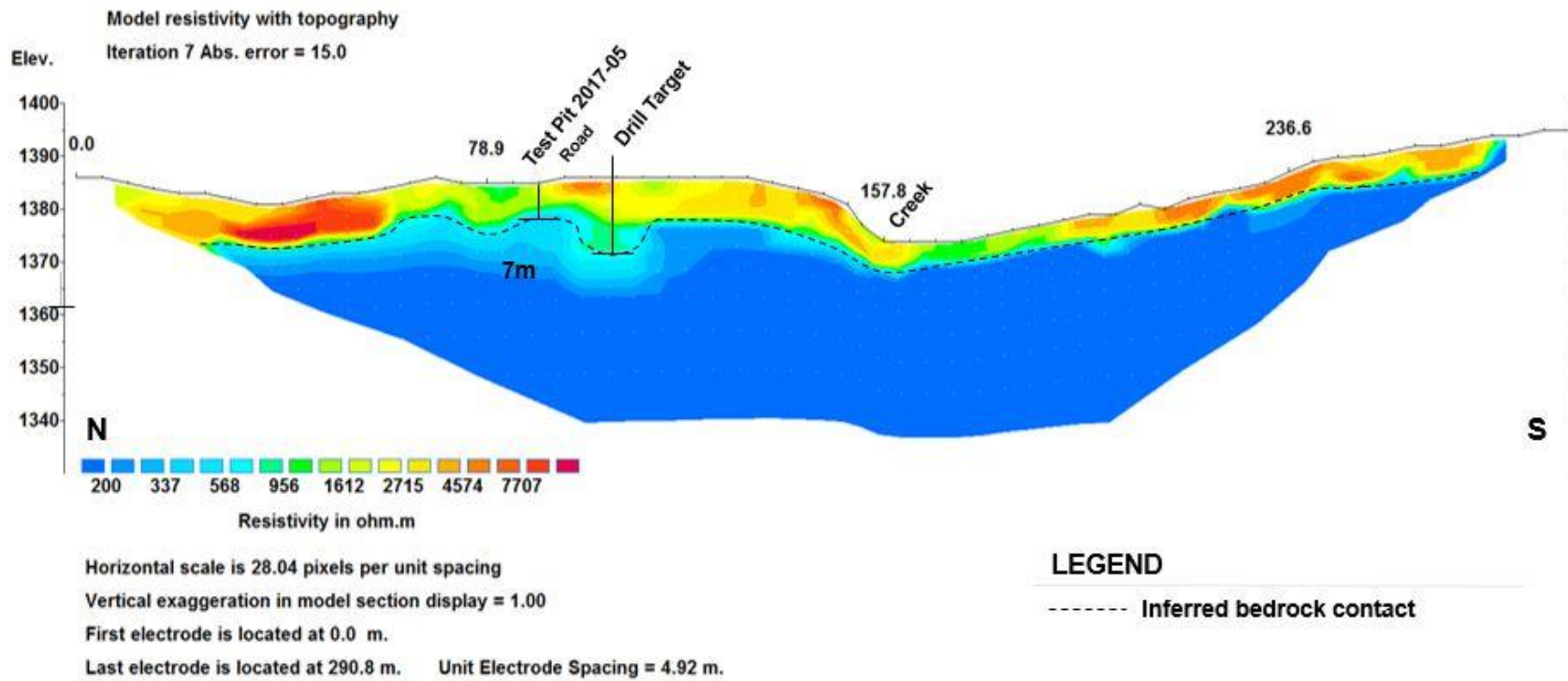


Figure 14 - RES17-JM15-01 is located downstream of RES17-JM14-01 to which it bears a strong resemblance. Test Pit 2017-05 confirmed bedrock depth in one location at 7 m, and a drill target is proposed nearby.

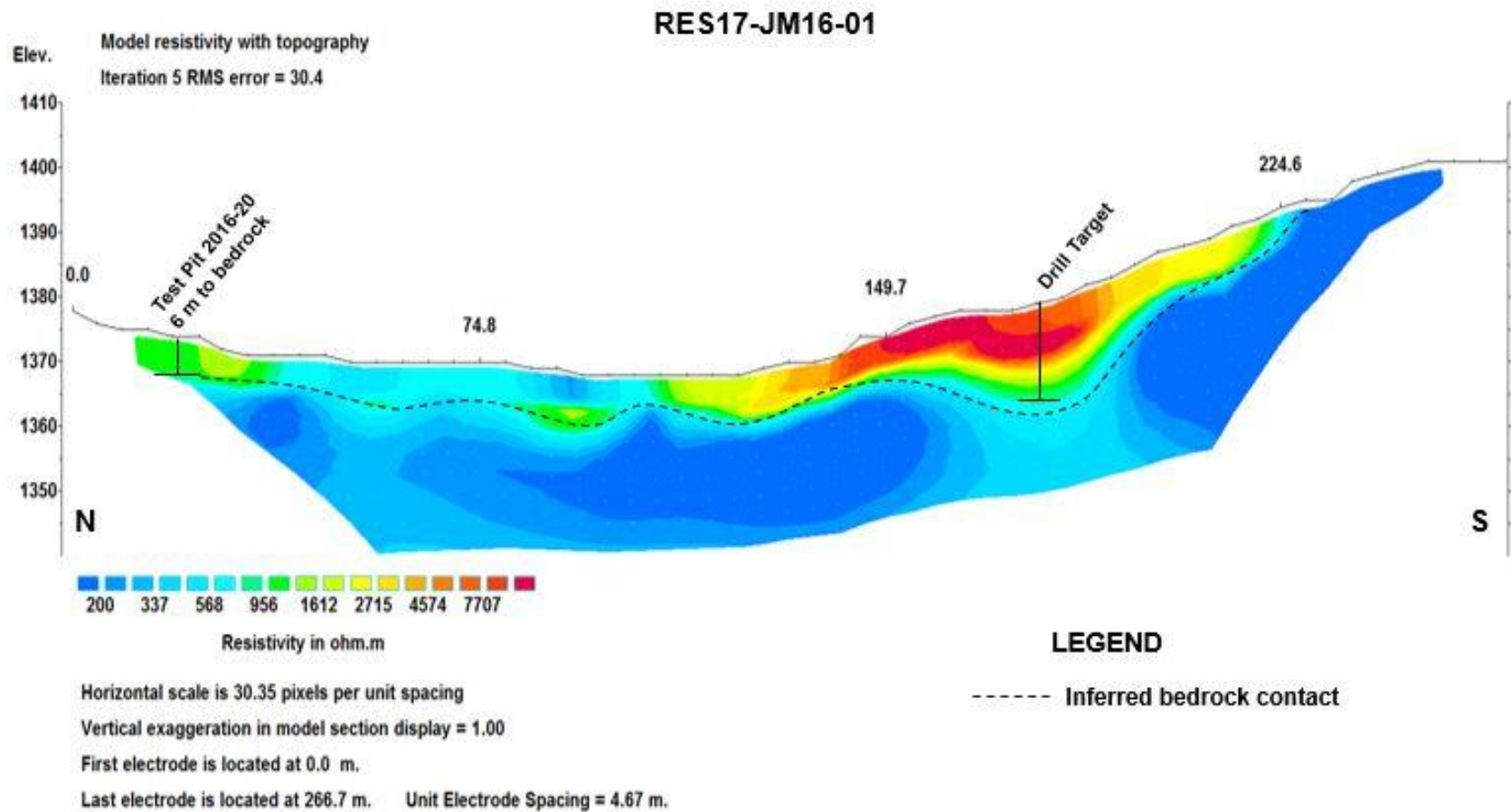


Figure 15 - RES17-JM16-01 was surveyed just upstream of Test Pit 2016-20, which encountered bedrock at 6 m. A drill target is proposed on this profile in an area of an apparent bedrock depression.

Izzie Claims

The IZZIE claims include the reaches of Upper Duncan Creek upstream of the SAM claims, and downstream of the James claims. They encompass an area at the confluence of the upper moraine (James claims) tributary and the confluence with the Lindsay claims tributary. The IZZIE claims lie mainly within the Hyland Group phyllite although the thrust fault contact with the Keno Hill quartzite lies just upstream (Roots 1997a, 1997b). The main IZZIE claims surveyed lie at the terminus of the alpine McConnell glacial moraines, which originate in the headwaters of Mt. Hinton to the east (Bond, 1998).

A total of 13 resistivity profiles were surveyed on the IZZIE 13 to IZZIE 16 placer claims, shown on Figure 16. The profiles are arranged in the figures following roughly upstream to downstream. The lines are:

RES17-IZ16-01, RES17-IZ15-02, RES17-IZ15-01, RES17-IZ15-05, RES17-IZ14-02, RES17-IZ14-06, RES17-IZ14-04, RES17-IZ14-03, RES17-IZ13-01, RES17-IZ15-04, RES17-IZ15-03, RES17-IZ14-01 and RES17-IZ14-05.

A distinctive bedrock bench is noticeable on the left limit in profiles RES17-IZ16-01, RES17-IZ15-02, RES17-IZ15-01, RES17-IZ15-05, RES17-IZ14-02, RES17-IZ14-06, RES17-IZ14-04, RES17-IZ14-03, and RES17-IZ13-01. As well, a narrow bedrock depression can be seen on the same series of profiles – this depression was exposed in the IZZIE test pit, and is described in the section on excavator test pitting.

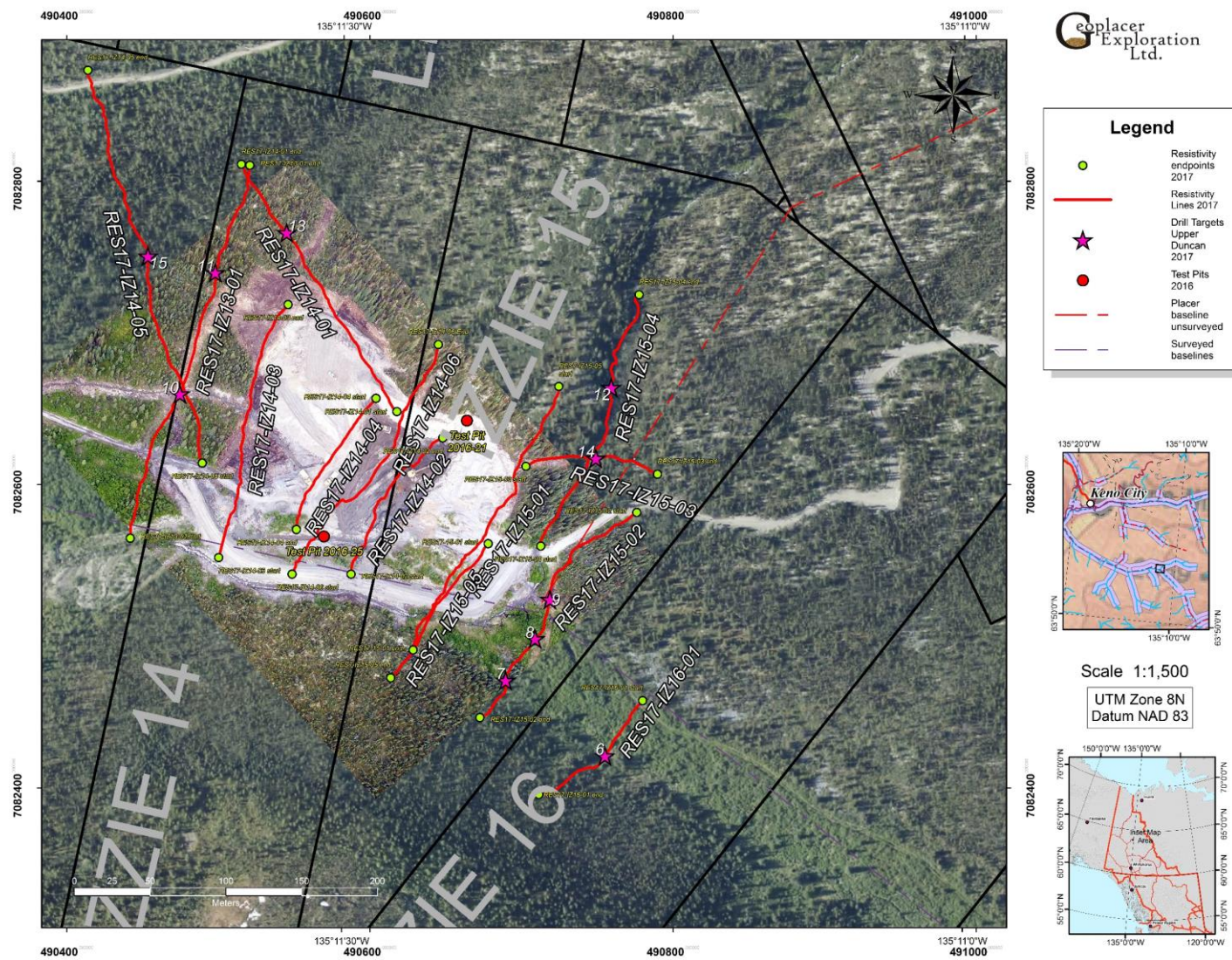


Figure 16 - Map showing 2017 resistivity profiles at the IZZIE claims, overlain on a georeferenced drone image of the IZZIE excavator test pit. Potential drill targets are also shown.

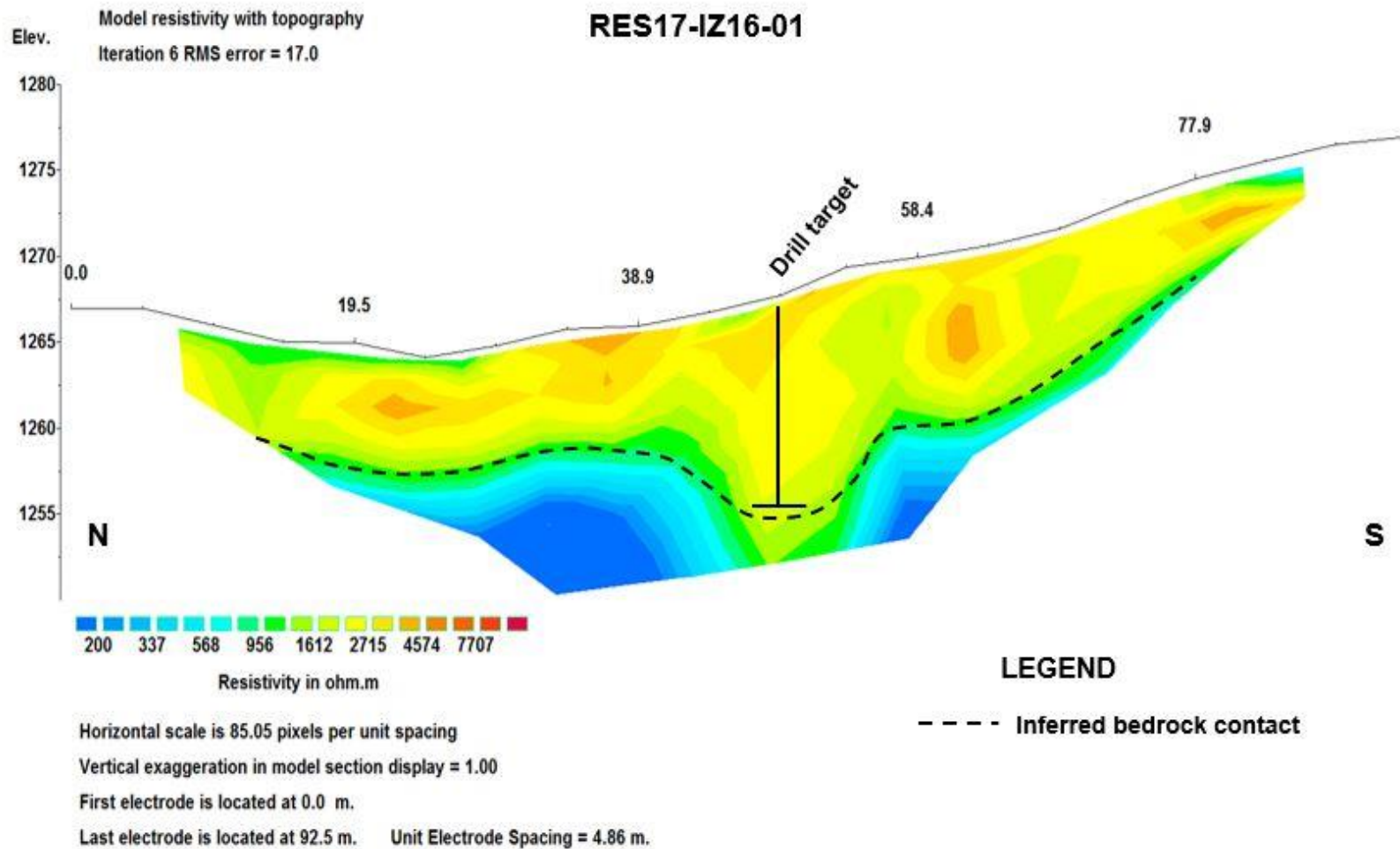


Figure 17 - RES17-IZ16-01 is located upstream of the excavated test pit and exhibits a narrow depression and a zone of high resistivity in the centre. A drill target is proposed.

RES17-IZ15-02

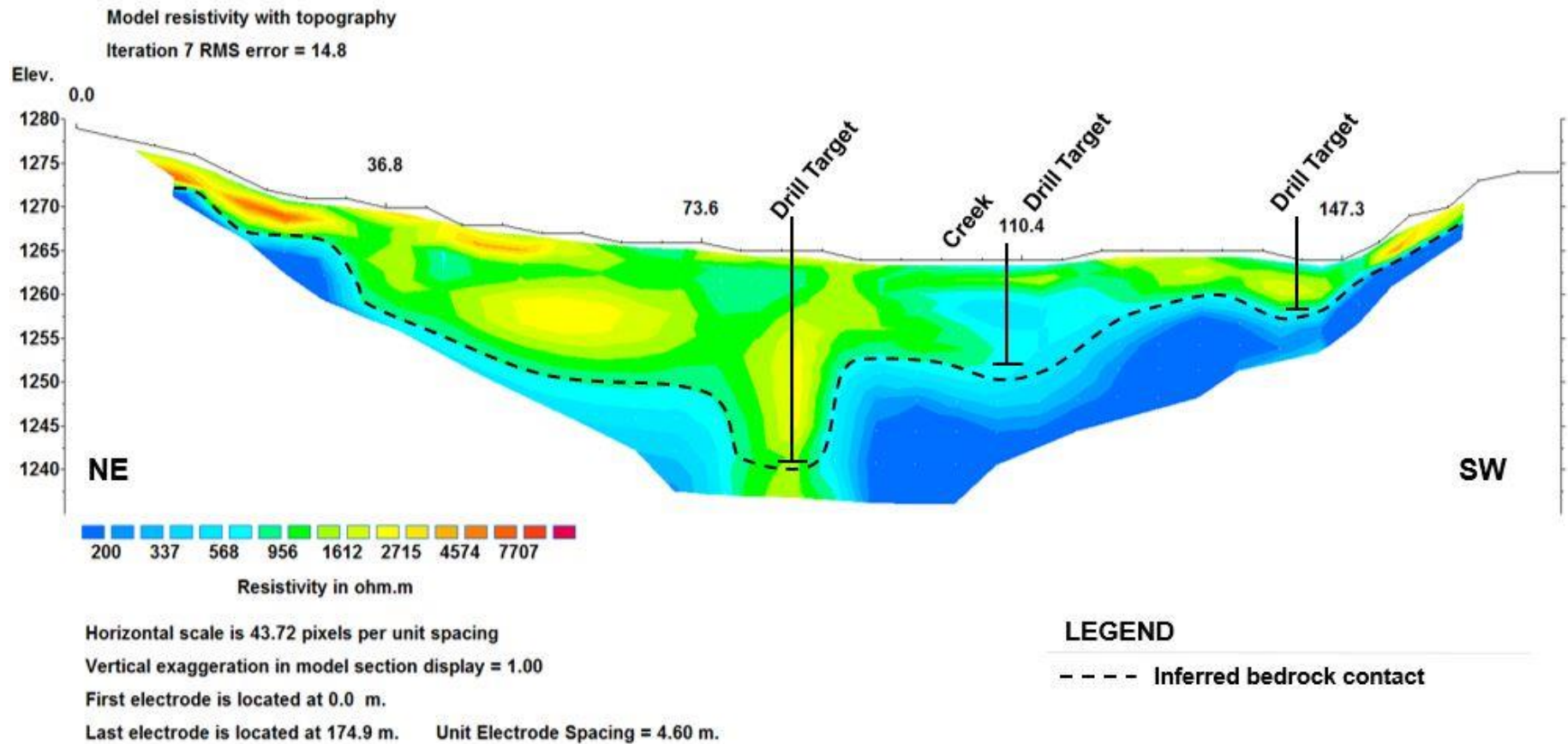


Figure 18 – Profile RES17-IZ15-02 was surveyed just upstream of the IZZIE test pit, and it showed a narrow depression which was seen in downstream profiles and confirmed by excavation in the pit. A distinctive bedrock bench is apparent on the left limit, in the right side of this profile. Several drill targets are proposed.

RES17-IZ15-01

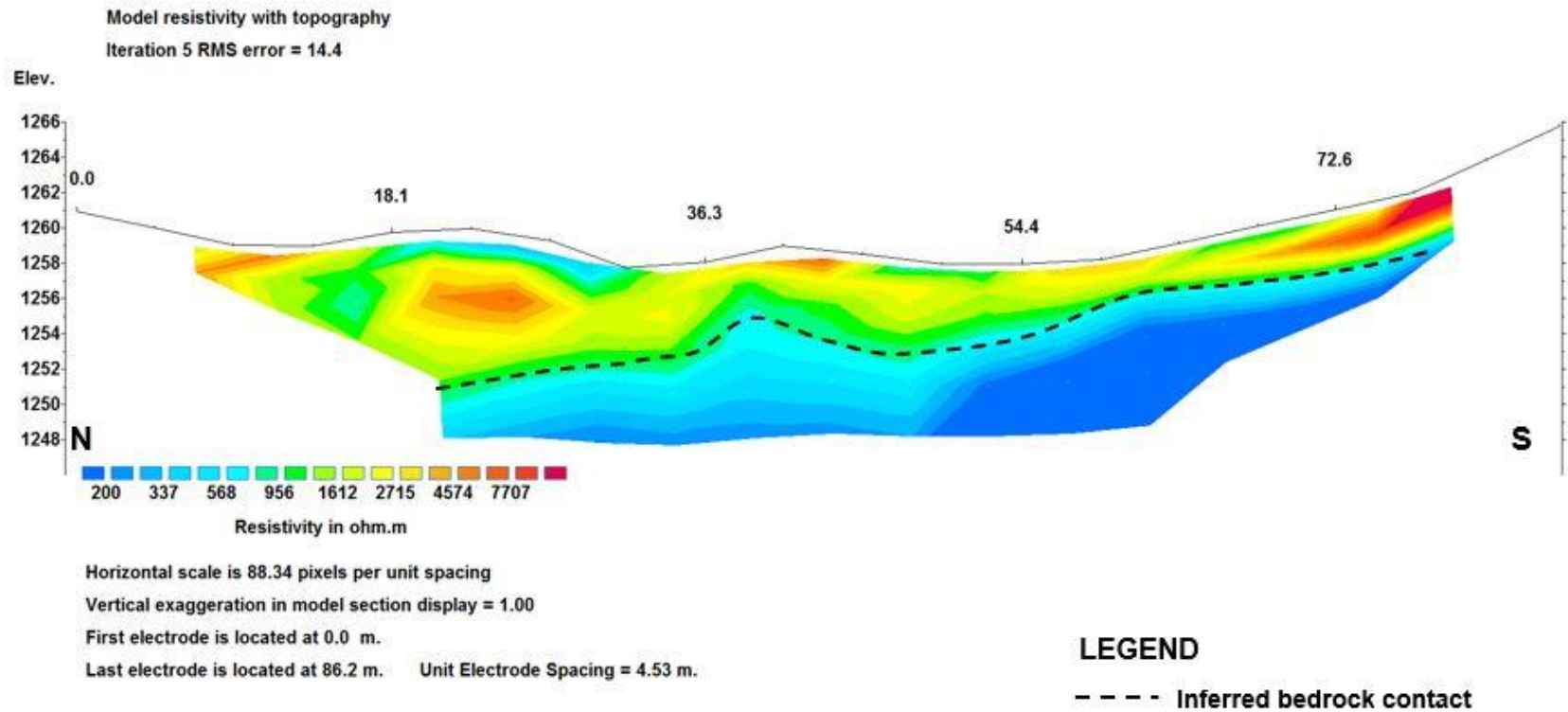


Figure 19 - RES17-IZ15-01 was surveyed across the main Izzie test pit. Bedrock was distinctive as well as the possible left limit bedrock bench seen on other profiles.

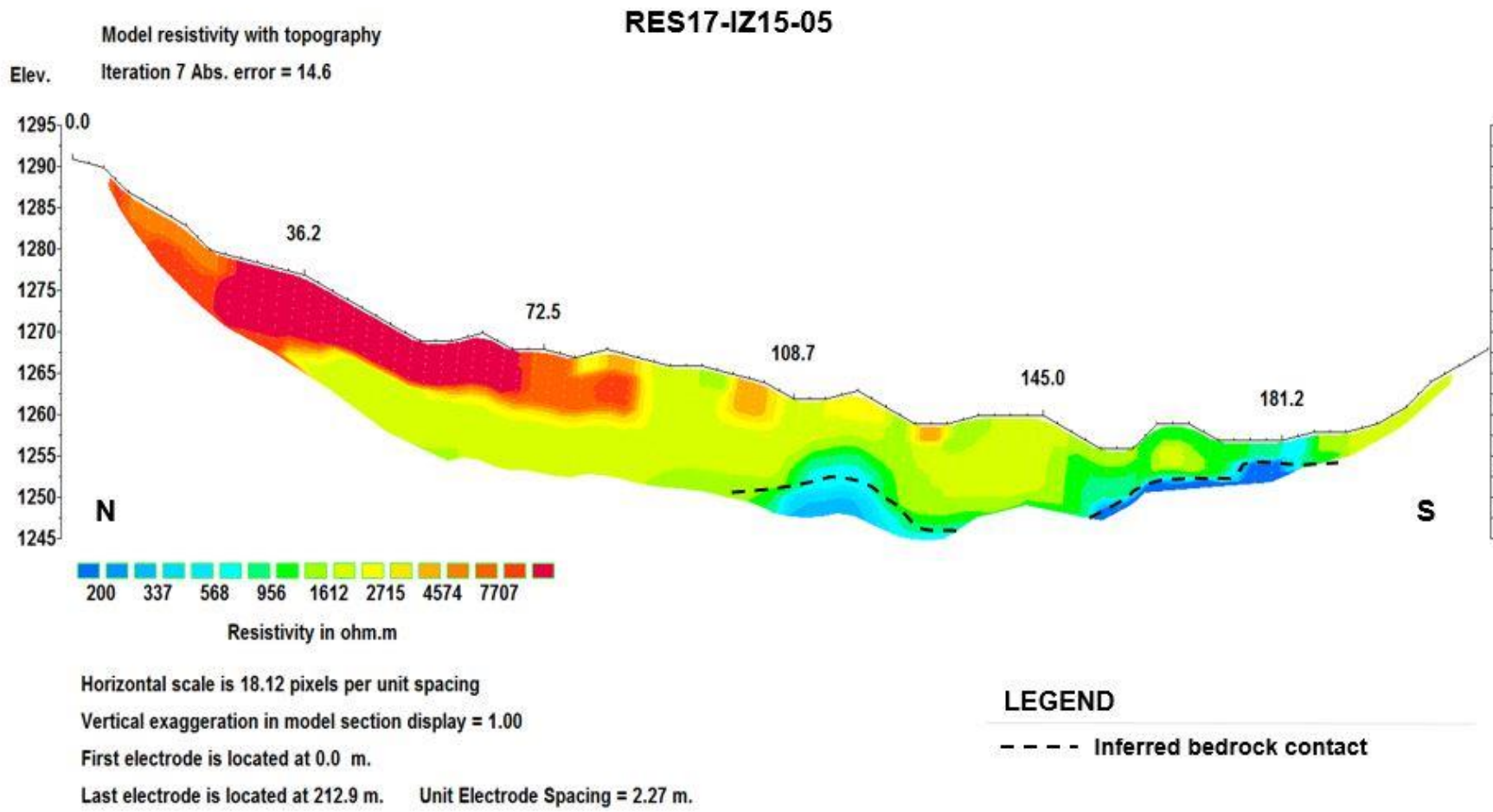


Figure 20 - RES17-IZ15-05 is located just upstream of the IZZIE test pit and shows limited depth due to large increase in elevation within the survey. The high resistivity area on the north side of the survey represents rocky colluvium and disturbed material. The distinctive bedrock bench can be seen as the dark blue zone on the left limit (south side) of the profile.

RES17-IZ14-02

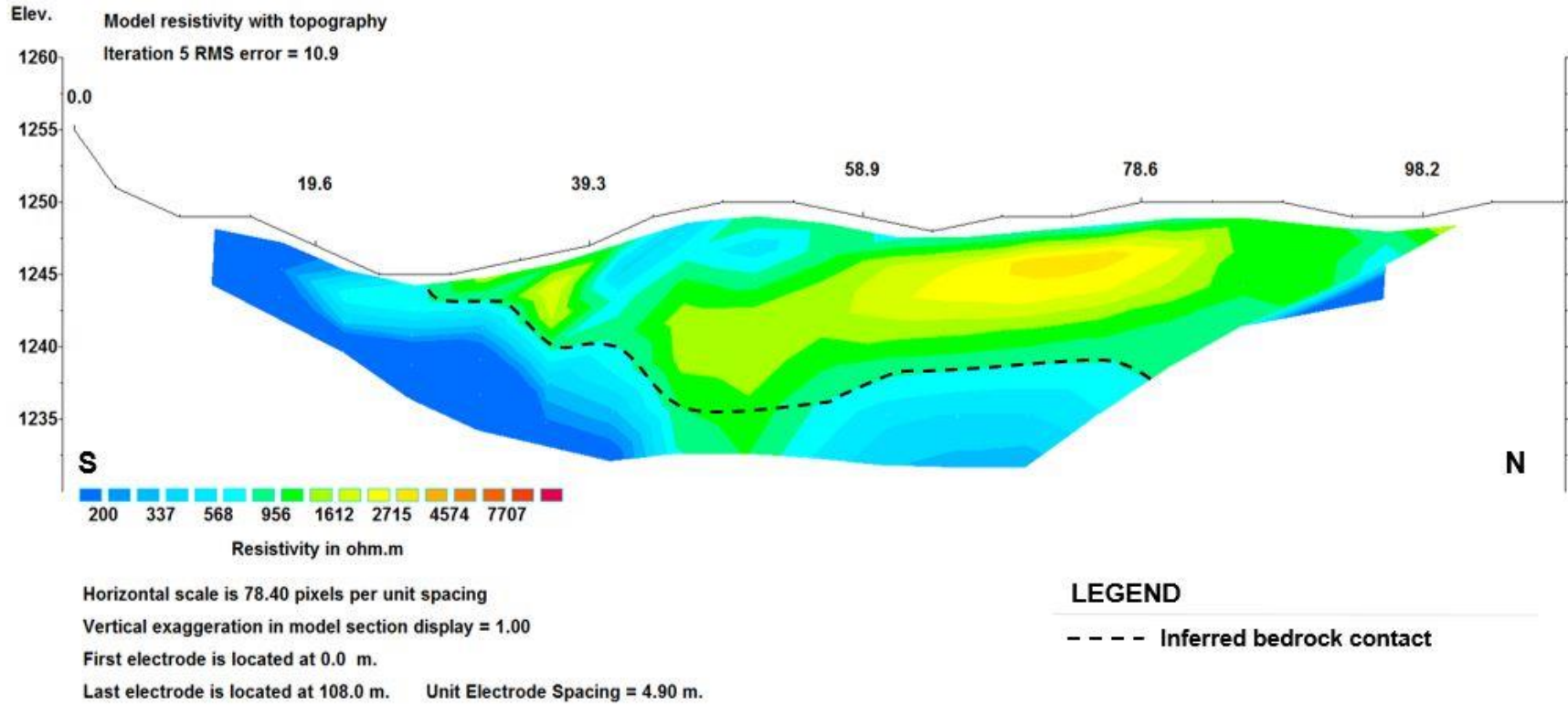


Figure 21 - Profile RES17-IZ14-02 was located in the active IZZIE exploration pit, and it showed the left limit bedrock bench distinctly on the left (south) side of this profile.

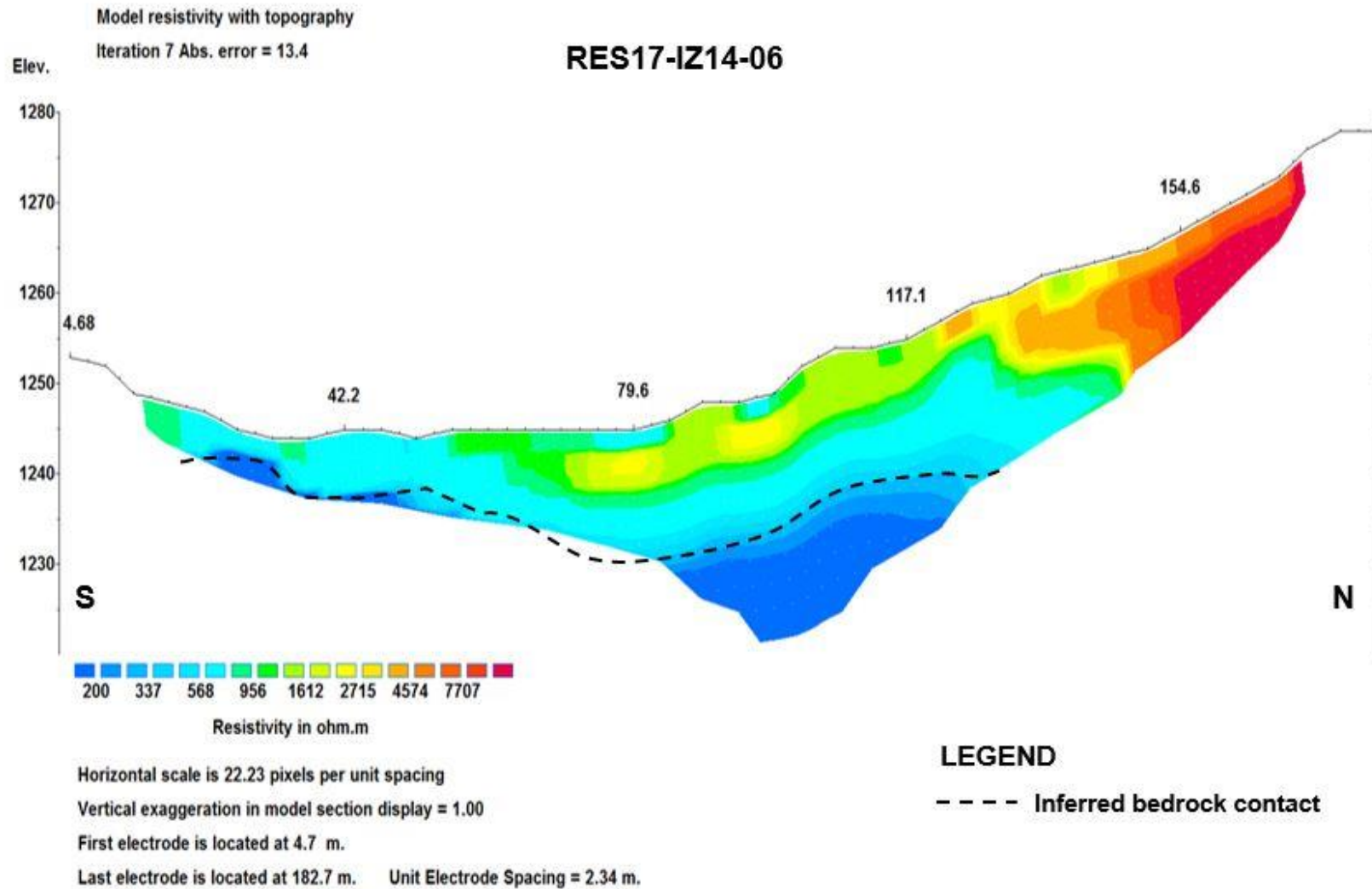


Figure 22 - RES17-IZ14-06 was surveyed across the IZZIE excavated test pit, and it showed the left limit bedrock bench on the south side of the profile. A high resistivity zone on the north side is due to rocky, frozen till.

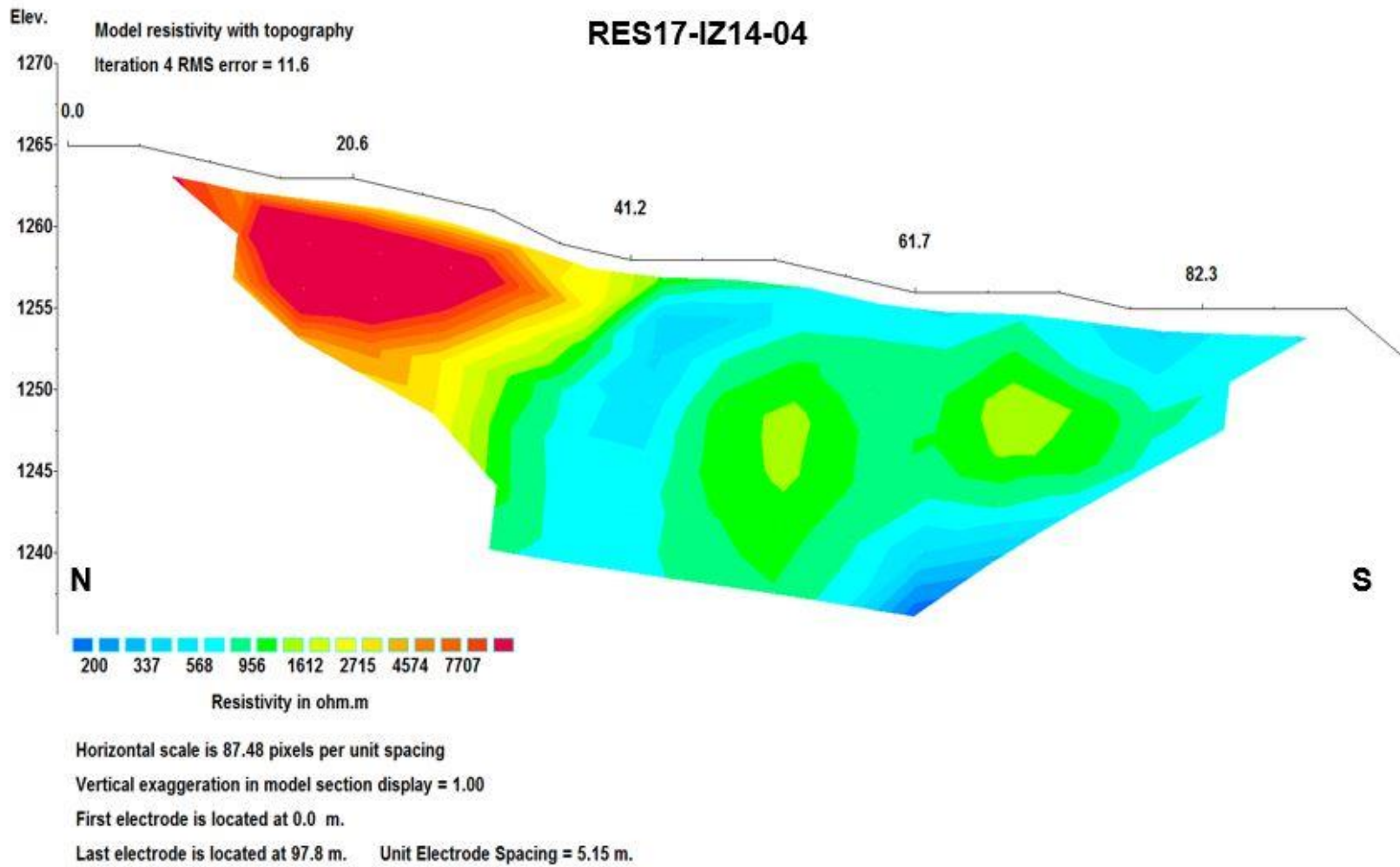


Figure 23 - RES17-IZ14-04 did not have good data results but still appeared to show the possible bedrock bench (dark blue) on the south side of the profile.

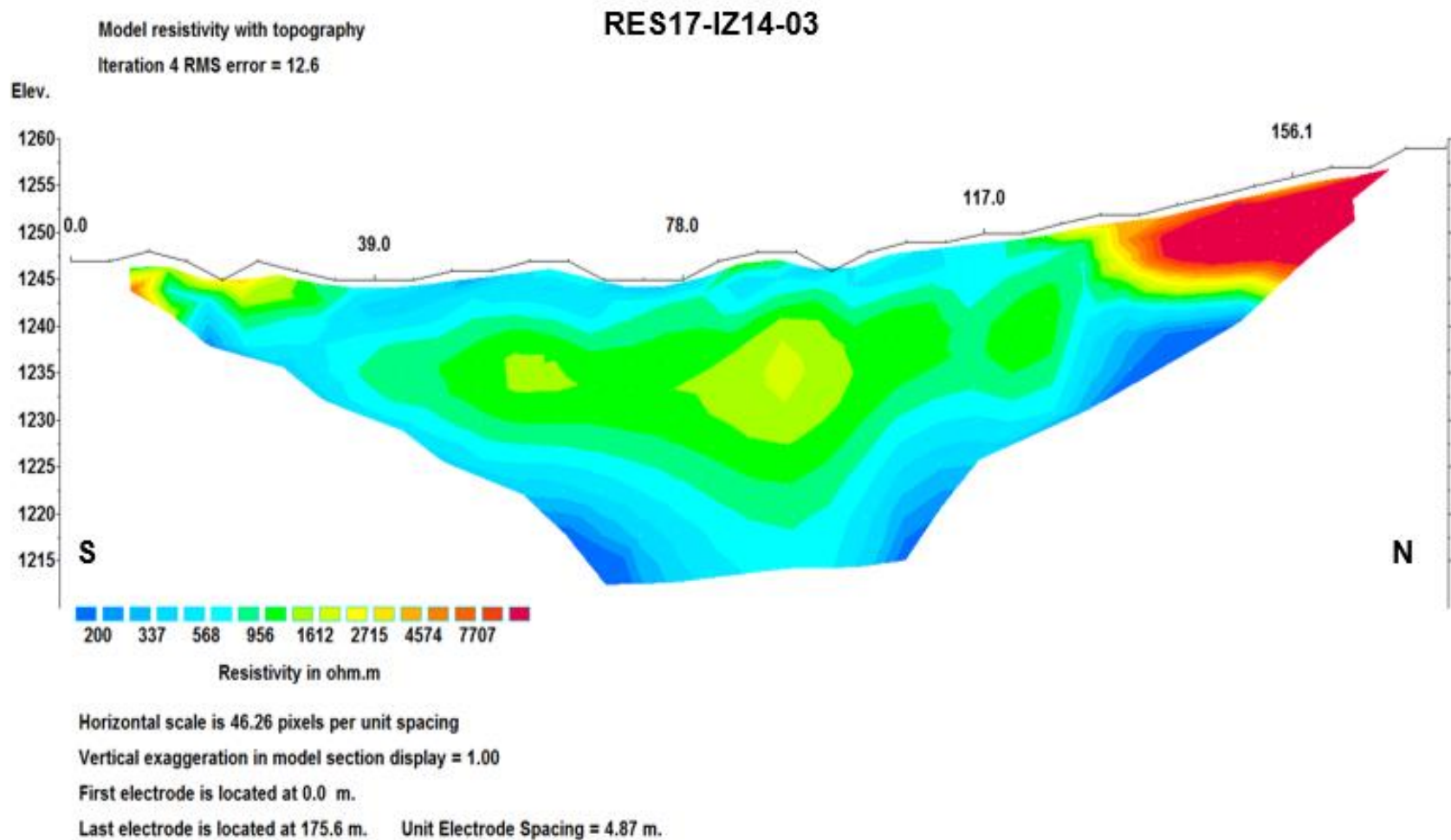


Figure 24 - RES17-IZ14-03 was surveyed on the far west side of the IZZIE test pit. It displays an area of high resistivity in the north that represents disturbed ground, as well as a central depression that resembles the bedrock depression seen in upstream profiles and confirmed in the IZZIE test pit.

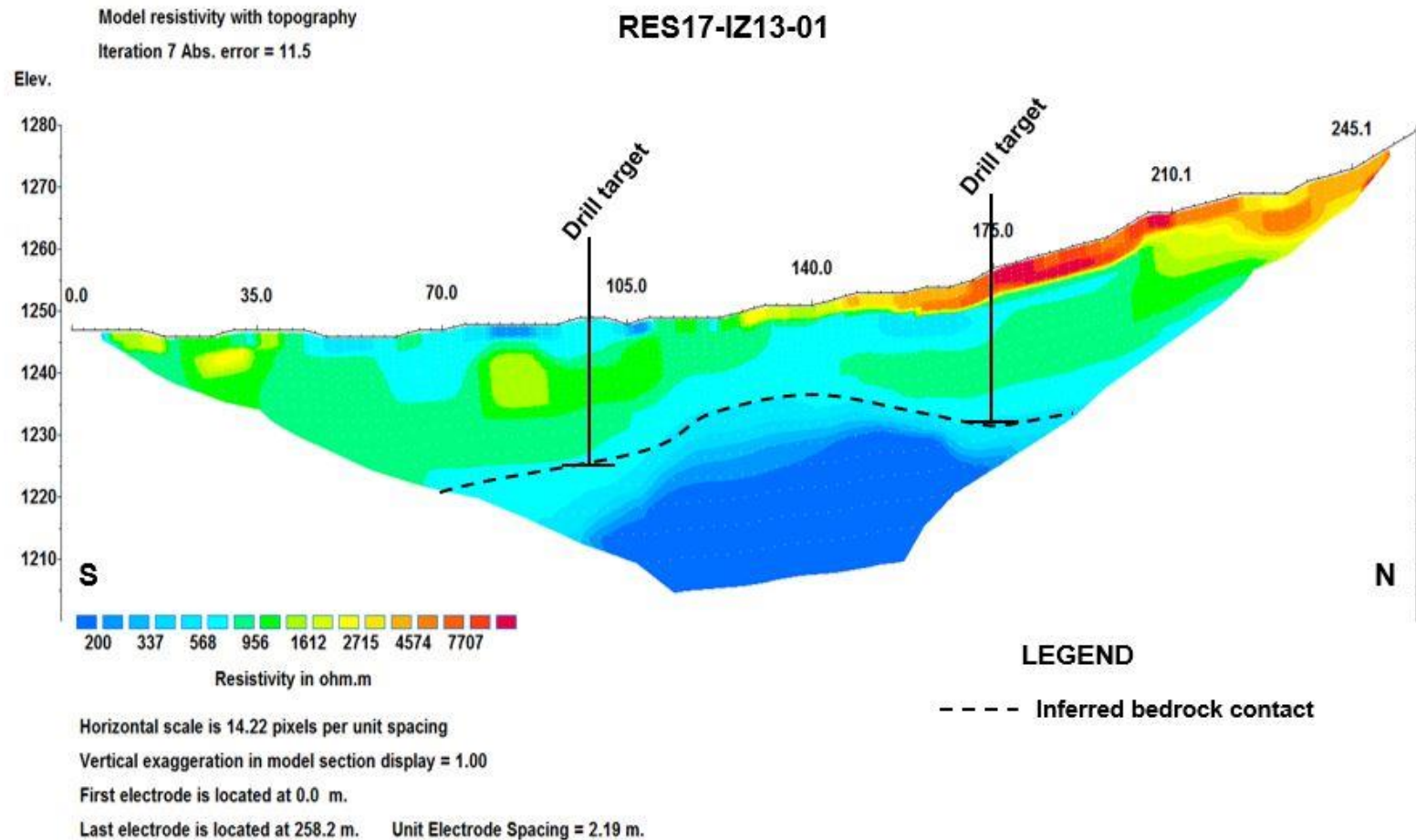


Figure 25 - RES17-IZ13-01 was surveyed downstream of the mapped McConnell glacial limit. A layer of colluvium on the hillslope is displayed as a high resistivity layer on the northeast side, and two drill targets are proposed on either side of an interpreted bedrock high.

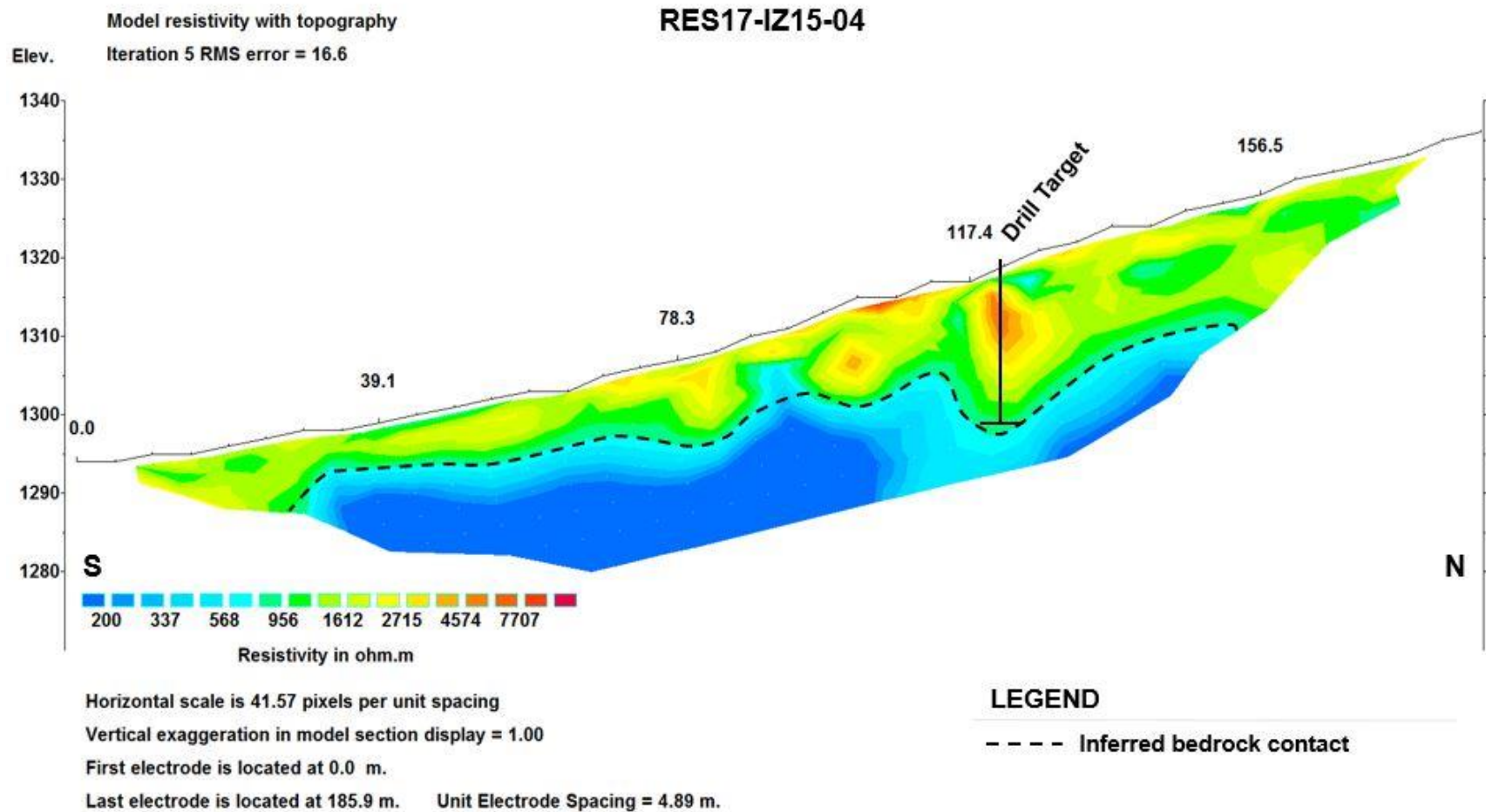


Figure 26 - RES17-IZ15-04 has an undulating bedrock contact interpreted with a deep anomaly and possible drill target located around 120m along the survey line.

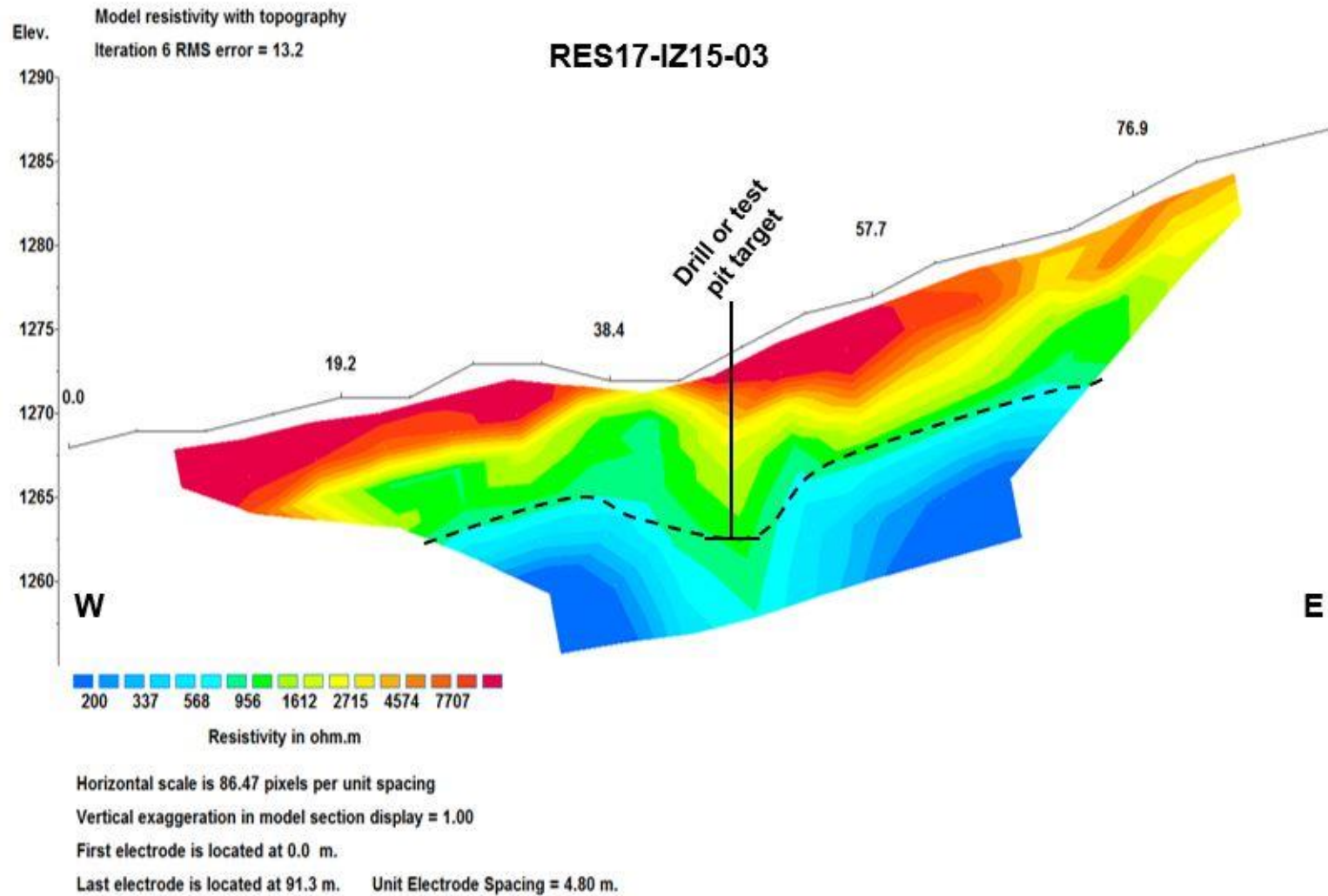


Figure 27 - RES17-IZ15-03 was oriented perpendicular to the main valley and the bedrock contact is interpreted as slightly undulating with a deep section located in the middle of the pseudosection. A test pit or drilling target is proposed.

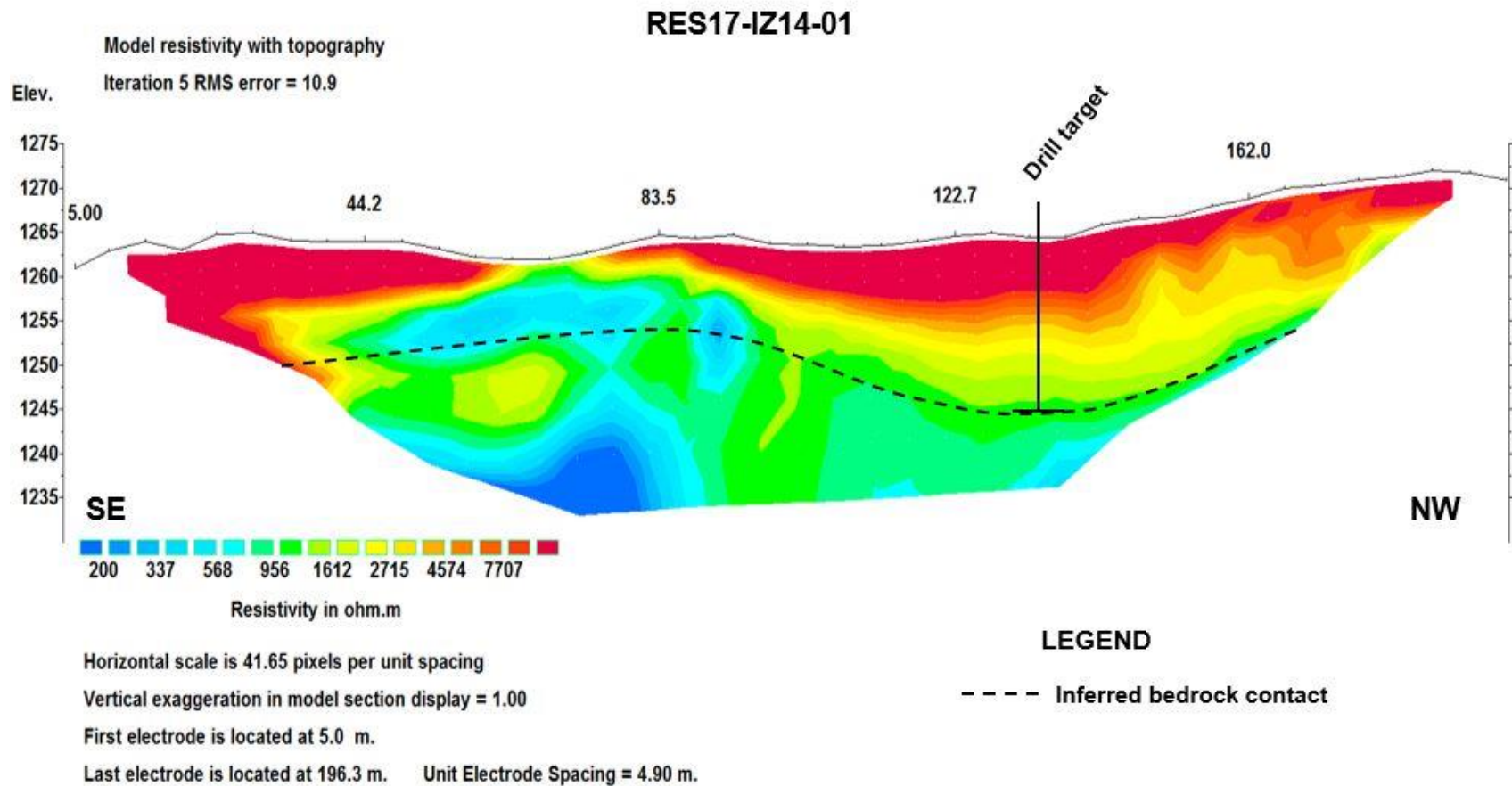


Figure 28 - RES17IZ14-01 is located upstream of RES17-IZ14-05, and is roughly parallel to it and to line RES17-JM16-01 on the upstream James moraines. Areas of high resistivity at the surface can be attributed to permafrost as well as large boulders at the ground surface. Areas adjacent to the small creek running through the section have been thawed, and therefore are shown by areas of low resistivity. A drill target has been identified in within the pseudosection in an area of an apparent bedrock depression.

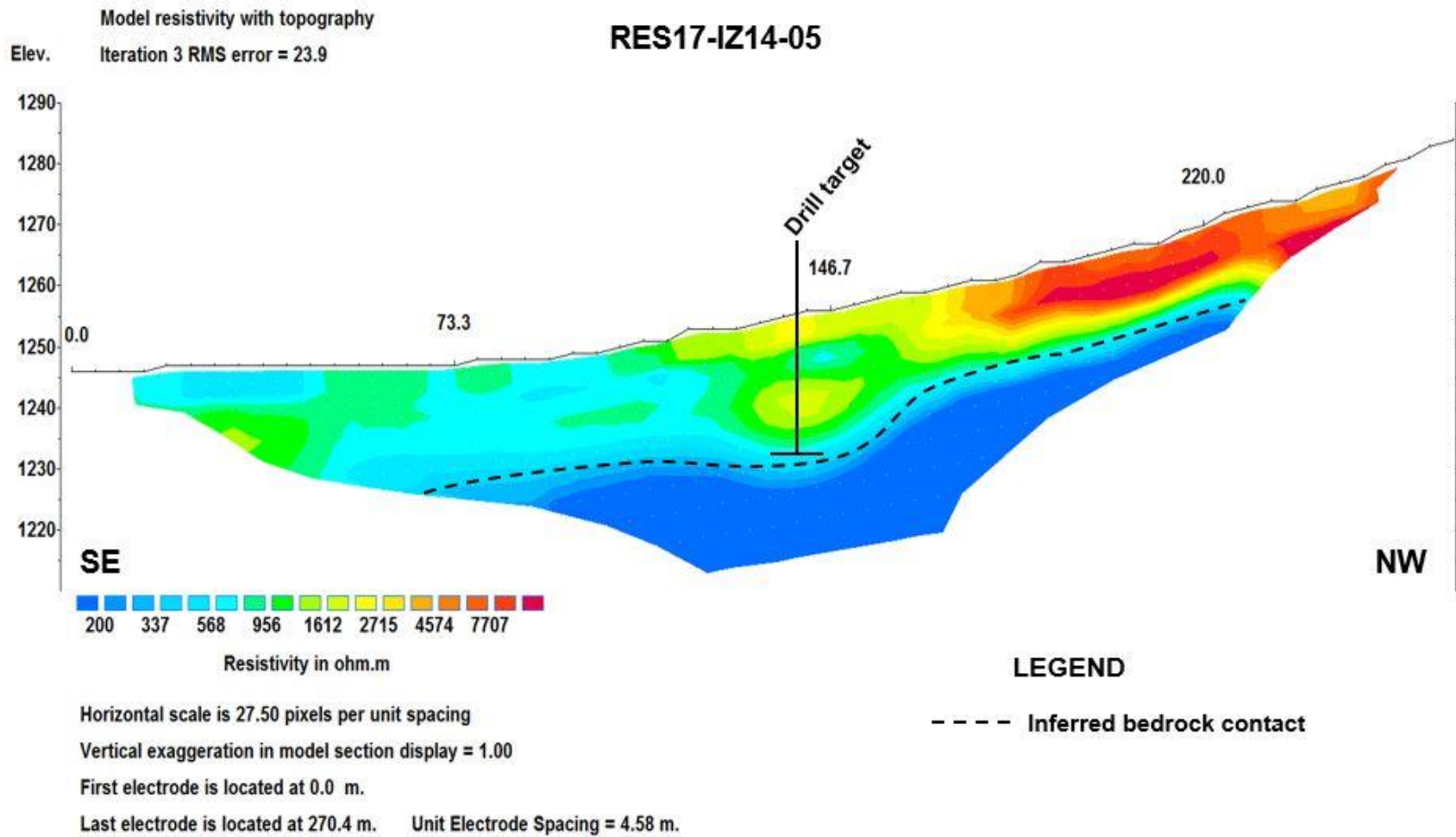


Figure 29 - RES17-IZ14-05 was surveyed downstream and parallel to RES17-IZ14-01. A drill target is proposed in an apparent bedrock depression.

Lindsay Claims

The Lindsay claims tributary on upper Duncan Creek follows the trace of a mapped thrust fault, which is the contact between the Keno Hill quartzite to the east and the Hyland Group phyllite to the west. Resistivity lines were targeted to cross this contact as a potential gold-bearing structure.

Resistivity line RES17LN4-01 was surveyed across this potential structure, as well as resistivity line RES17IZ16-01 downstream. These are shown in Figure 30.

Both profiles appear to show a depression in the profile, which could represent a bedrock depression corresponding to a fault. This is a target for further placer gold exploration and bedrock depth calibration.

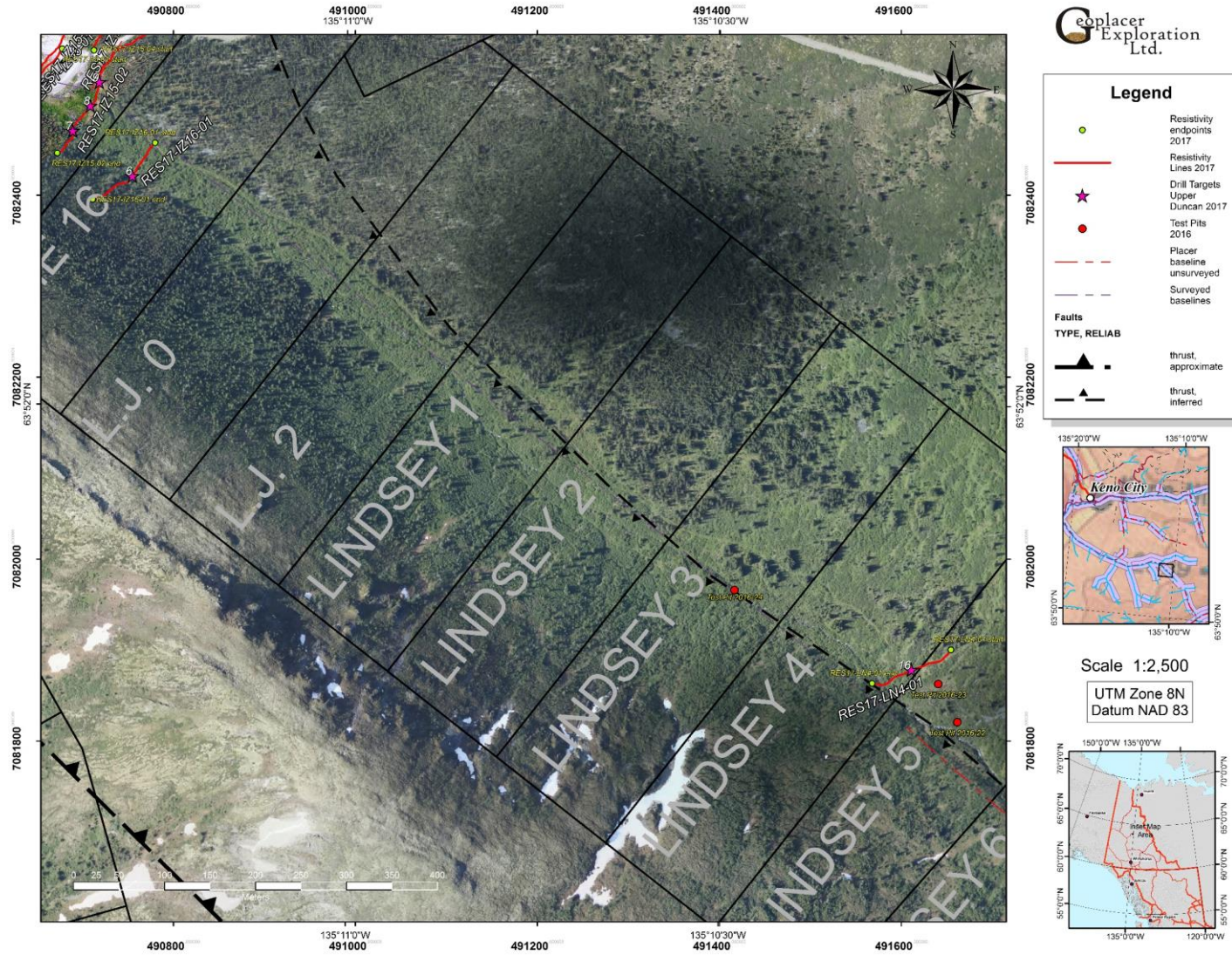


Figure 30 – Map showing 2017 resistivity lines on the Lindsey claims, with local bedrock faults and potential drill targets.

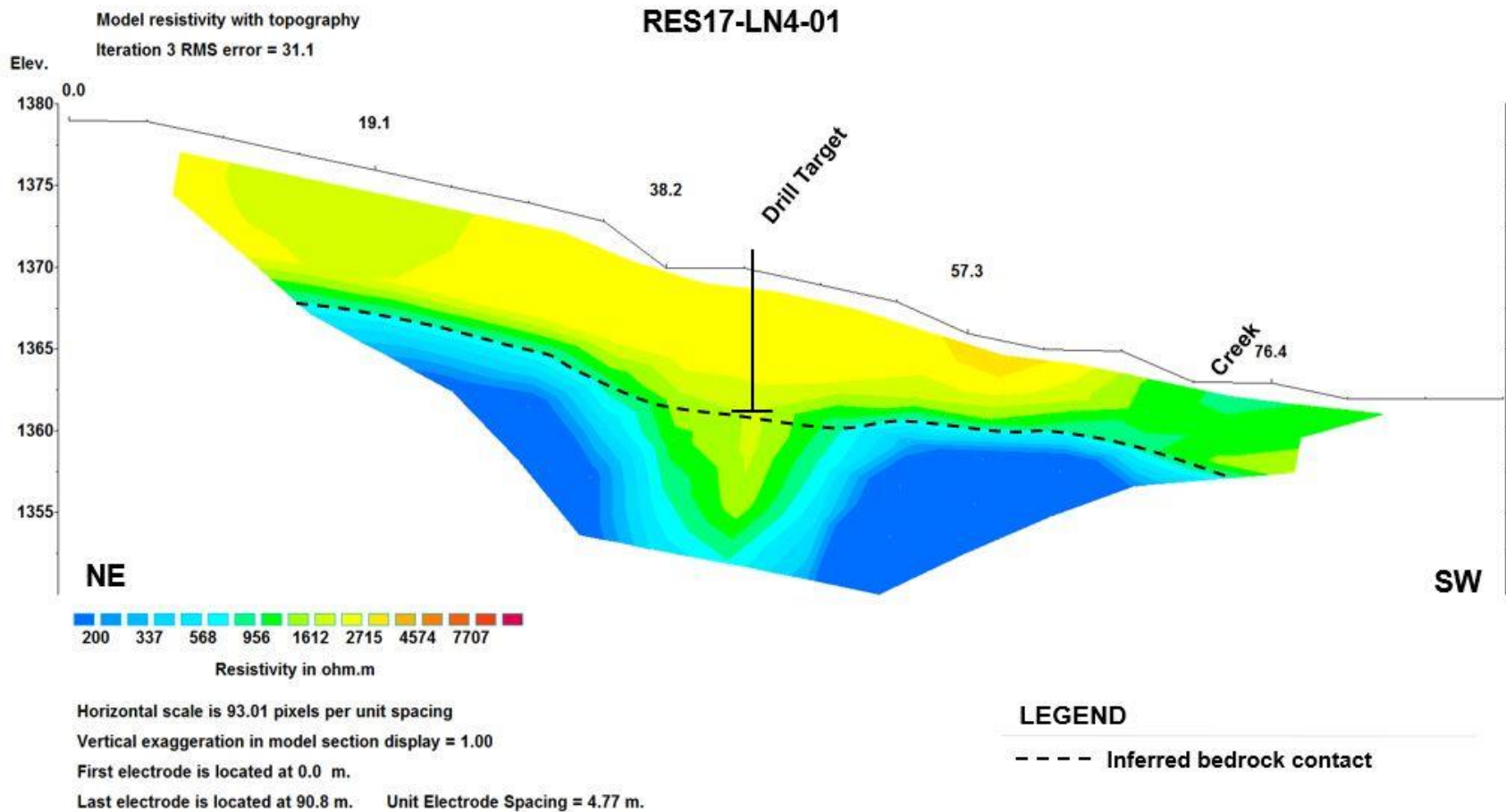


Figure 31 - RES17-LN4-01 is located upstream of the IZZIE pit. This survey appears to have a depression in the centre that is a candidate for further drill testing to confirm bedrock depths and test gold values in the Lindsay claims.

Gray Claims

The Gray claims tributary originates in a steep cirque, and is a relatively narrow valley. A glacial moraine, which has been mapped as McConnell age (Bond, 1998), forms much of the landscape in the lower reaches of the valley where it joins the main Upper Duncan valley. Bedrock includes both Keno Hill quartzite and Hyland Group phyllite, and two major thrust fault contacts transect this tributary (Roots, 1997a, 1997b). These contacts have a high potential to be mineralized and thus the Gray claims tributary is highly prospective for placer gold.

A total of six resistivity surveys were conducted in the Gray Claims area, including the mouth. These are shown on Figure 32.

Although there is evidence of small hand pits and old sluiceboxes, there are no known historic or recent excavator test pits or drill holes. Profiles RES17-GRAY1-01 and RES17-GRAY2-01 both transect the moraine in its mid-reaches, while RES17-IZ12-01, RES17-IZ12-02 and RES17-IZ8-02 cross the moraine at its farthest downstream extent. Profile RES17-IZ8-01 crosses the main upper Duncan valley downstream of the termination of the moraine.

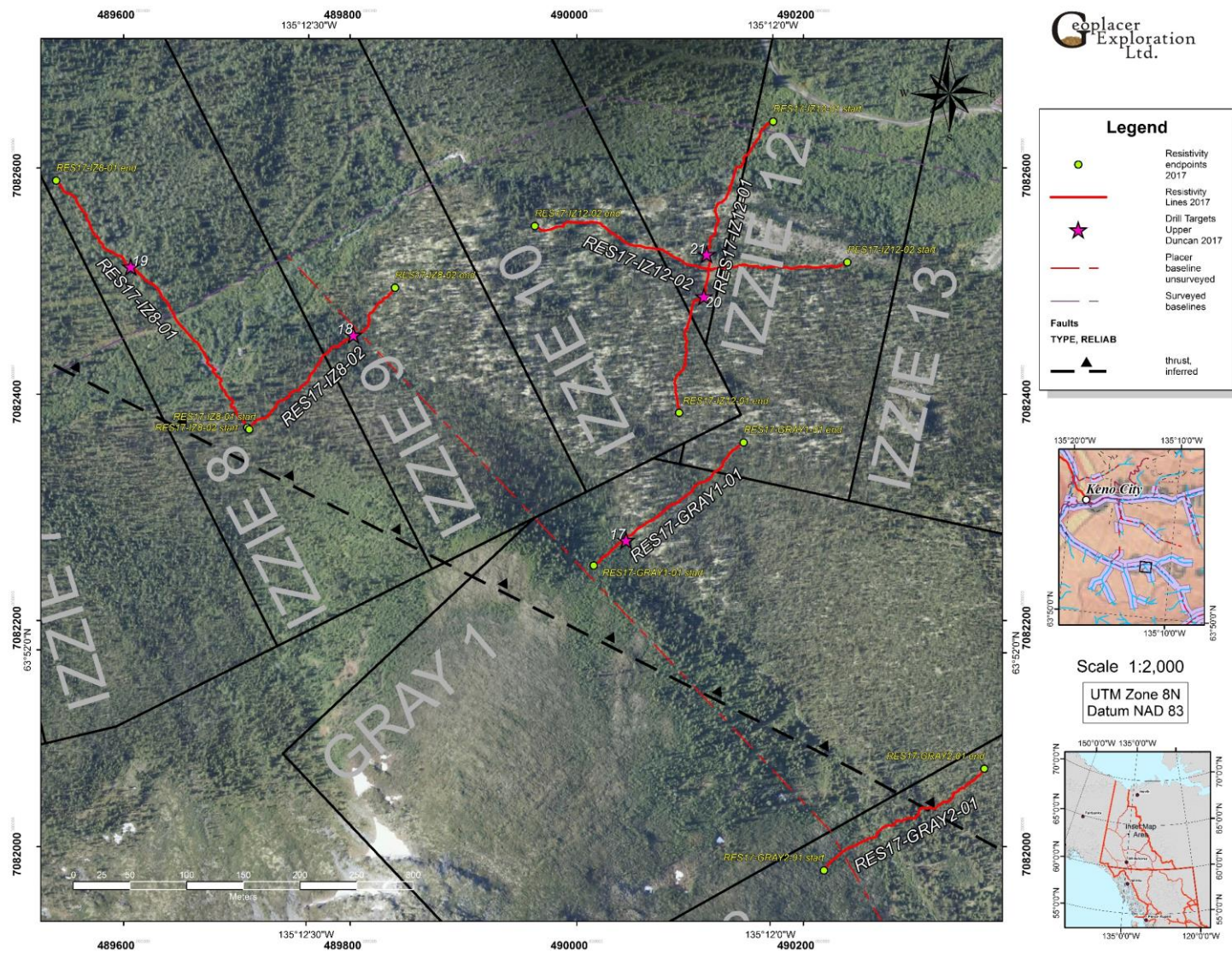


Figure 32 – Map showing the left limit tributary with the Gray claims and the location of 2017 resistivity lines.

RES17-GRAY2-01

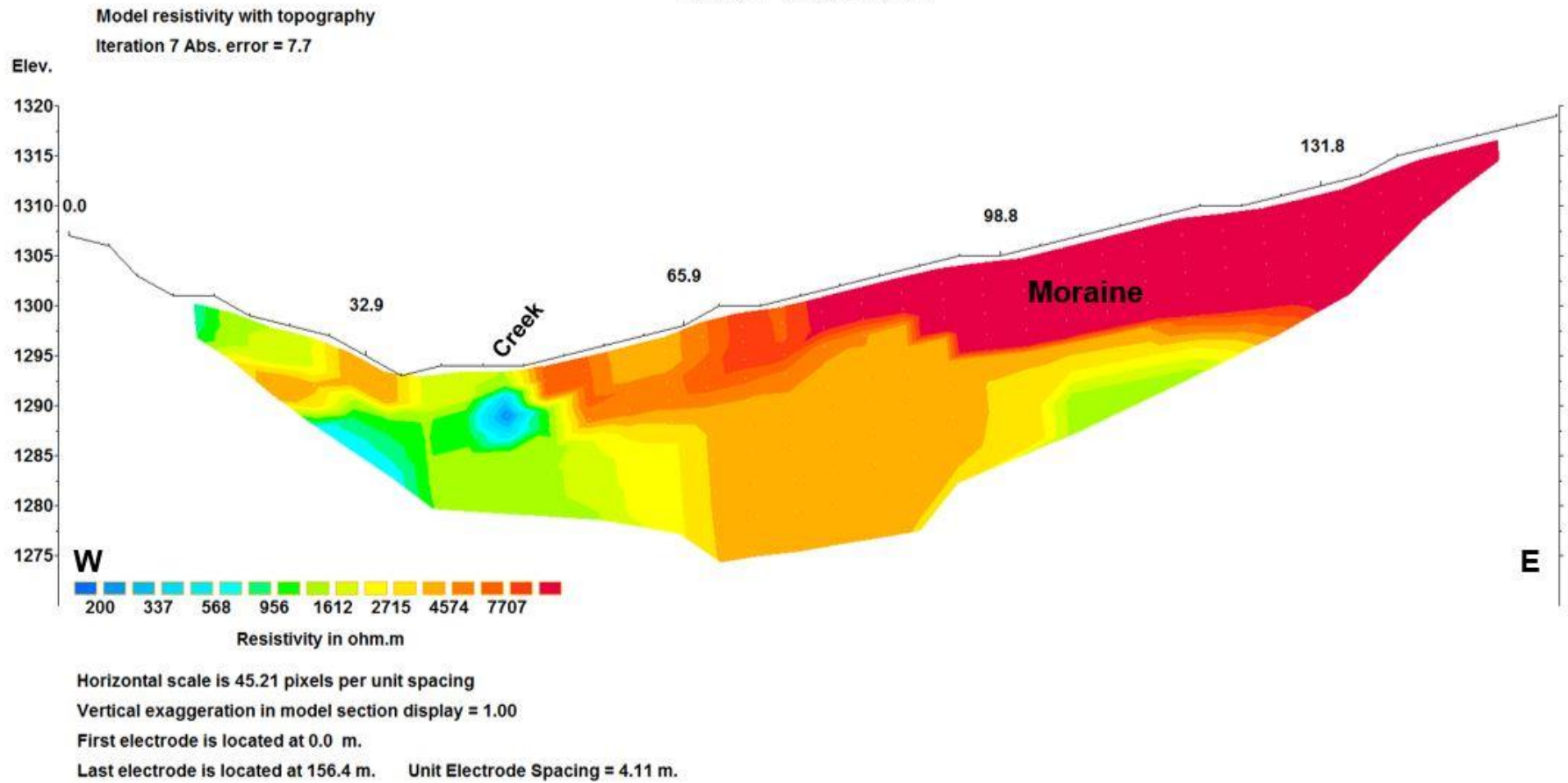


Figure 33 - RES17-GRAY2-01 was surveyed across a moraine composed of rocky glacial till, which displays high resistivity. No clear bedrock contact is evident in this section.

RES17-GRAY1-01

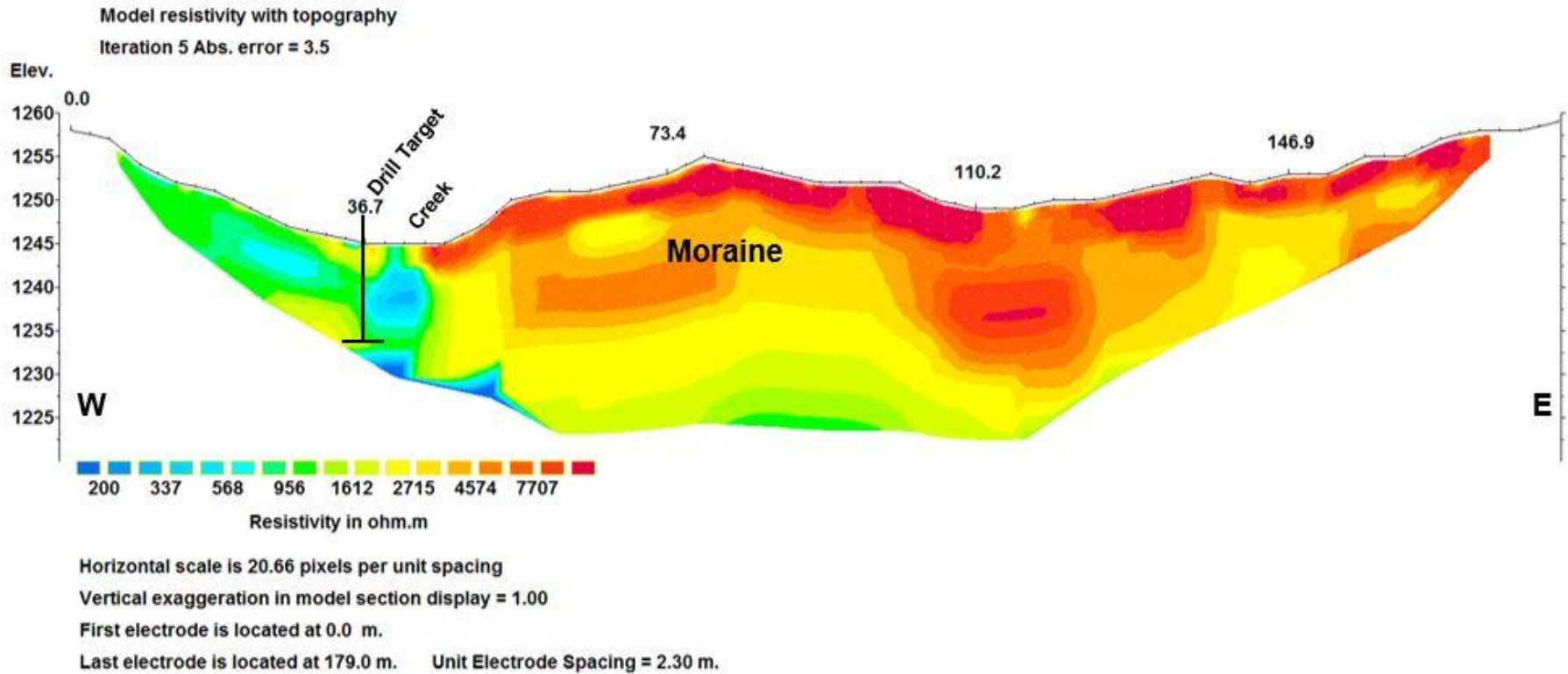


Figure 34 - RES17-GRAY1-01 was surveyed across a moraine composed of rocky till, which displays as high resistivity. A drill target is proposed to calibrate bedrock depth and test placer gold values.

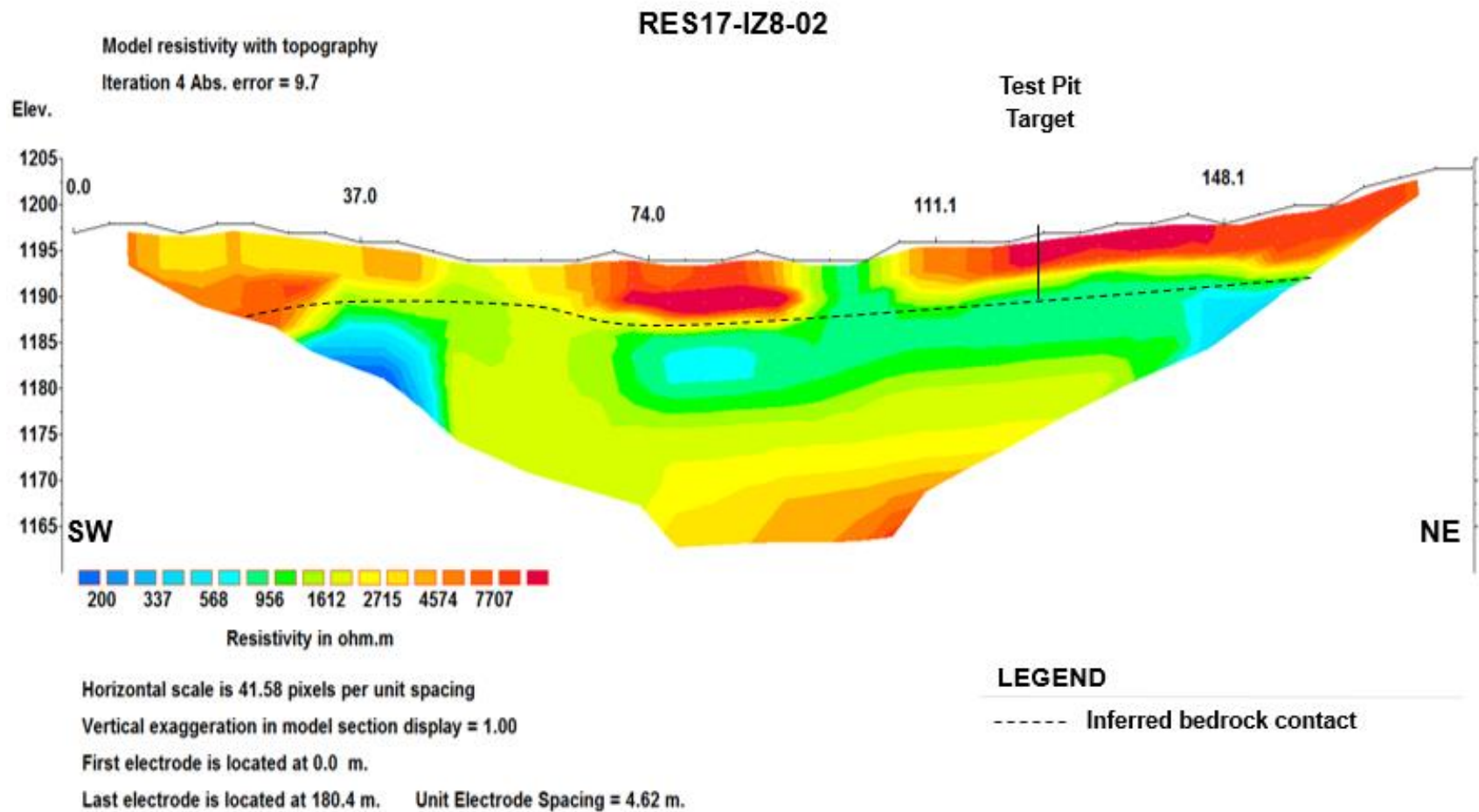


Figure 35 - RES17-IZ8-02 is oriented perpendicular to the creek of Gray tributary and is located in the area of confluence with the creek in the Izzie claims. The section shows a relatively flat bedrock contact, but a target has been identified on the survey line to calibrate bedrock depth. Discovering the depth in the area will allow for calibration in the surrounding areas.

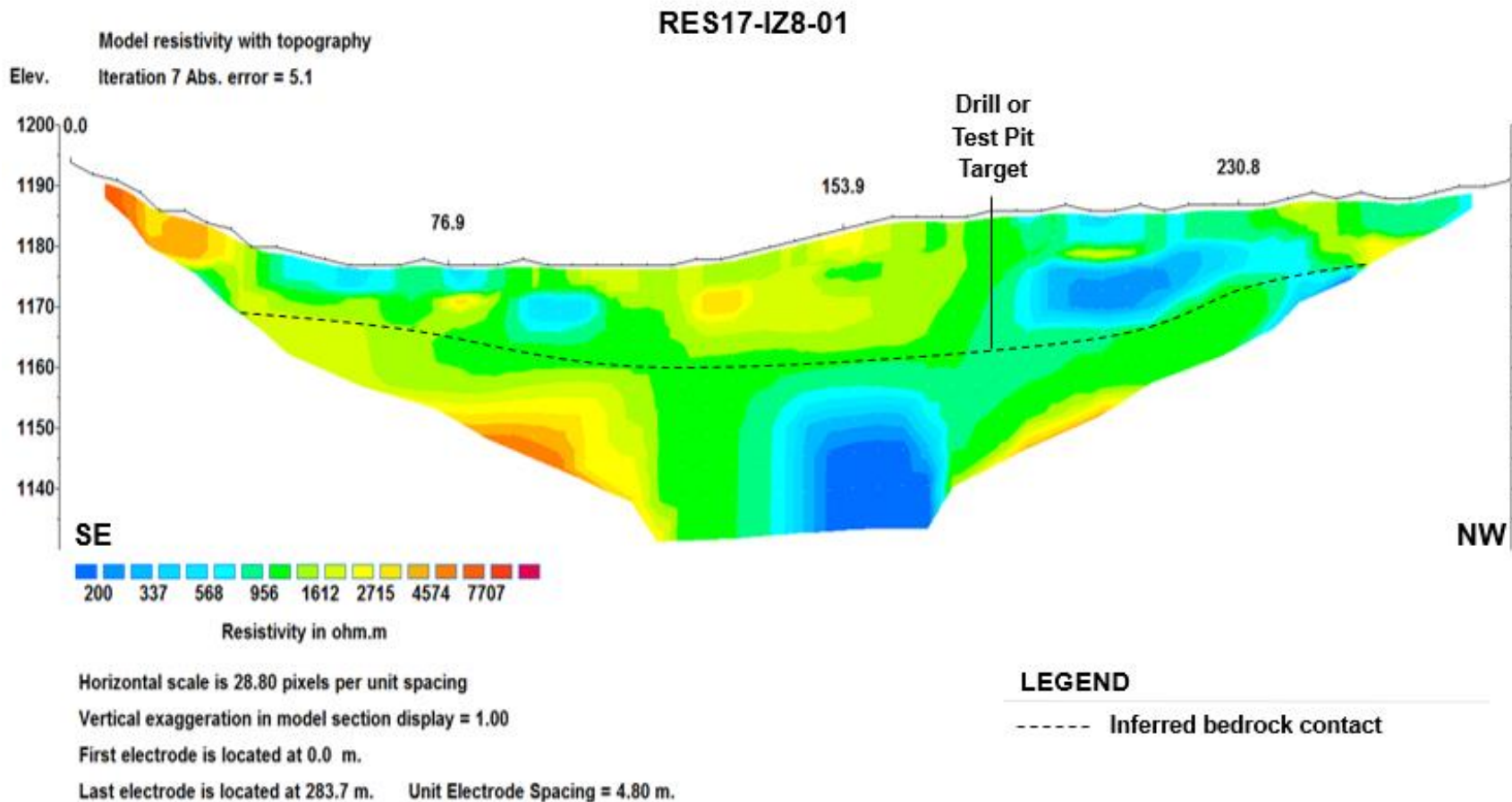


Figure 36 - RES17-IZ8-01 is oriented across the Upper Duncan valley just downstream of the confluence with the Gray claims tributary. The section shows a relatively flat potential bedrock contact. A large area of thawed, wet ground can be seen as the light blue low resistivity zone near the surface. A target is proposed to calibrate bedrock depth and test gold values.

RES17-IZ12-01

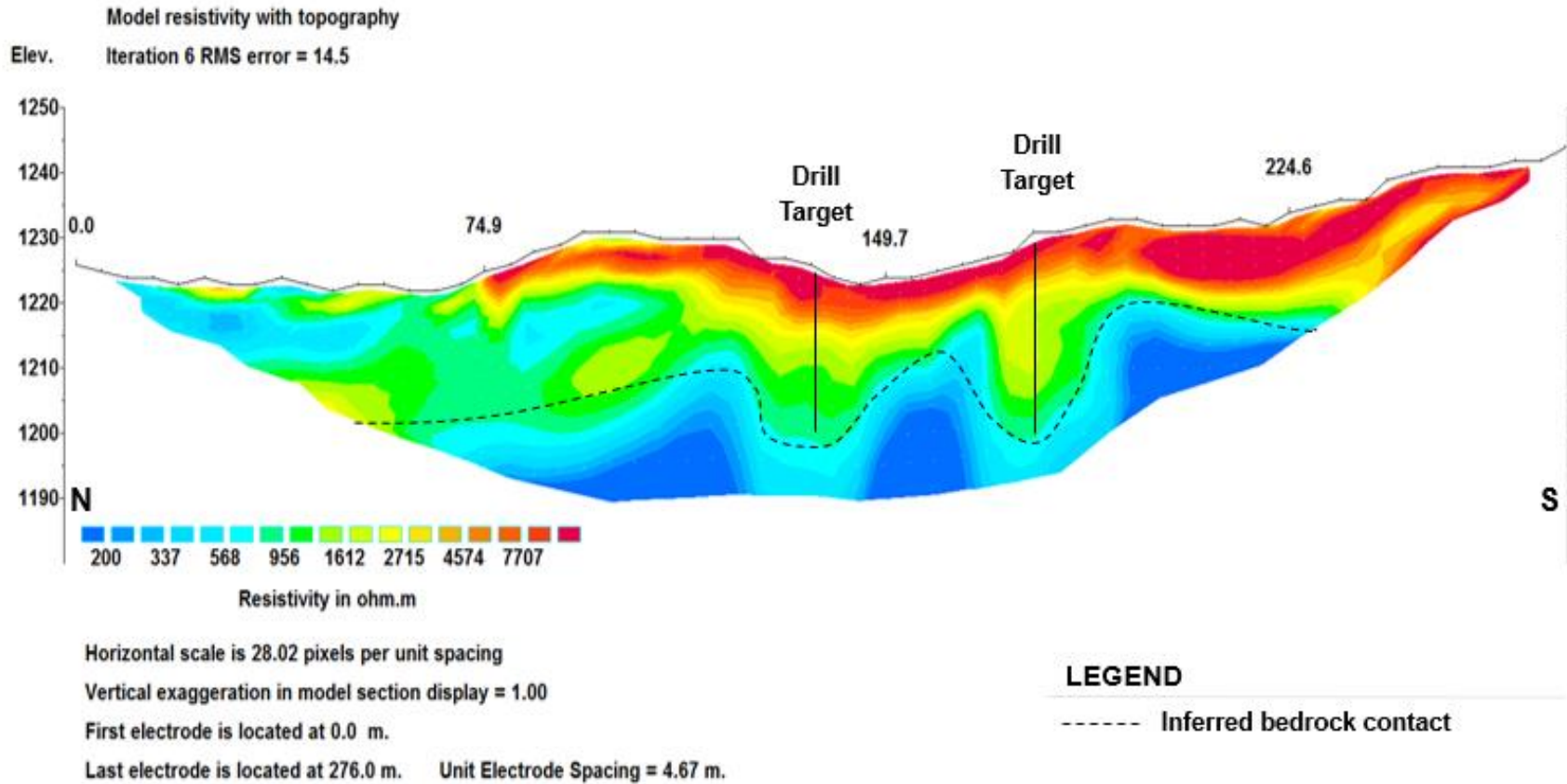


Figure 37 - RES17-IZ12-01 was surveyed across a moraine and appears to display large undulations in the bedrock contact. The large undulations are drilling targets for depth calibration and to examine possible gold values.

RES17-IZ12-02

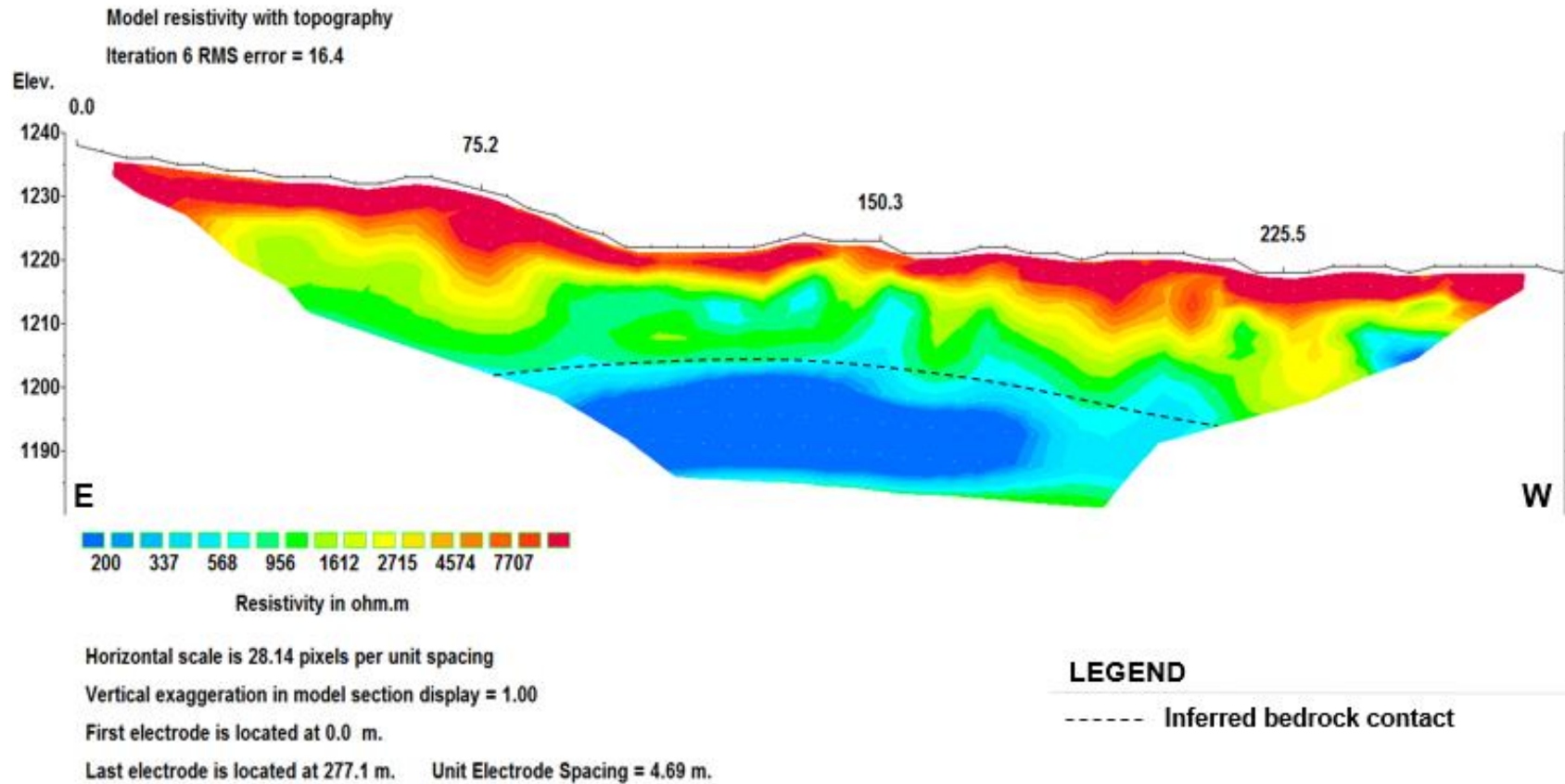
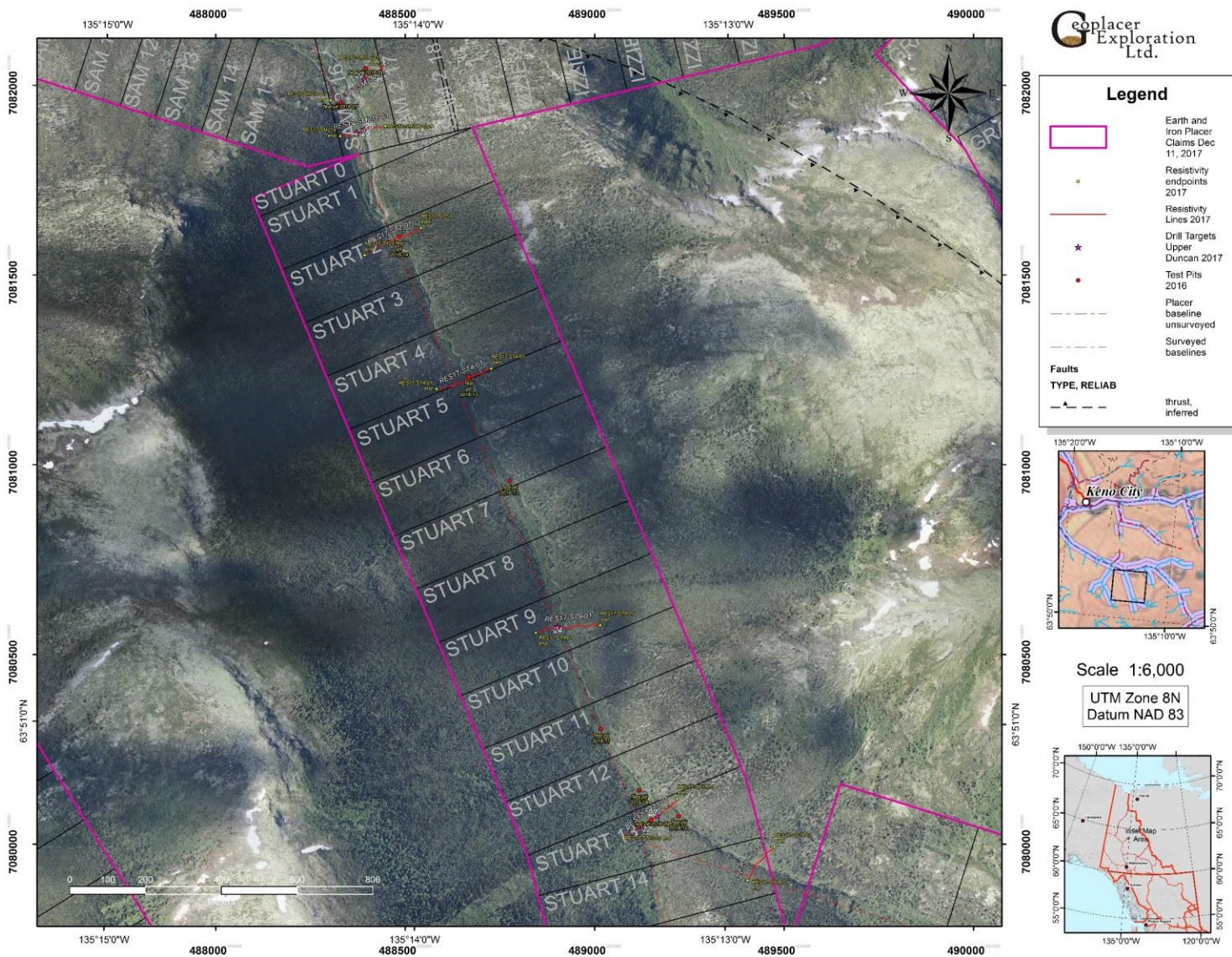


Figure 38- RES17-IZ12-02 was surveyed perpendicularly across the same terminal moraine as RES17-IZ12-01, and does not display the same undulations in the inferred bedrock contact. The lack of undulations could indicate that they primarily occur in a direction oblique to this profile.

Stuart Tributary (including Sam Claims at mouth)

The Stuart claims tributary lies within the mapped extent of the Proterozoic Hyland Group (Roots 1997a, 1997b) and observed bedrock in the area mainly consists of phyllite and shale. The Stuart claims tributary lies outside of the McConnell glacial limit as mapped by Bond (1998).

Seven resistivity lines were surveyed in the Stuart claims tributary and mouth area. These are shown in Figure 39, and include RES17-ST14-01, RES17-ST13-01, RES17ST9-01, RES17ST4-01, RES17ST2-01, RES17-SM216-01 and RES17-SM217-01. Since this drainage was not glaciated during the McConnell glaciation, it has significant potential for older placer-gold bearing glacial and interglacial sediments and paleochannels. In fact, test pitting in 2016 recovered placer gold in several locations, and these pits were also used to calibrate depths to bedrock during the 2017 geophysical program.



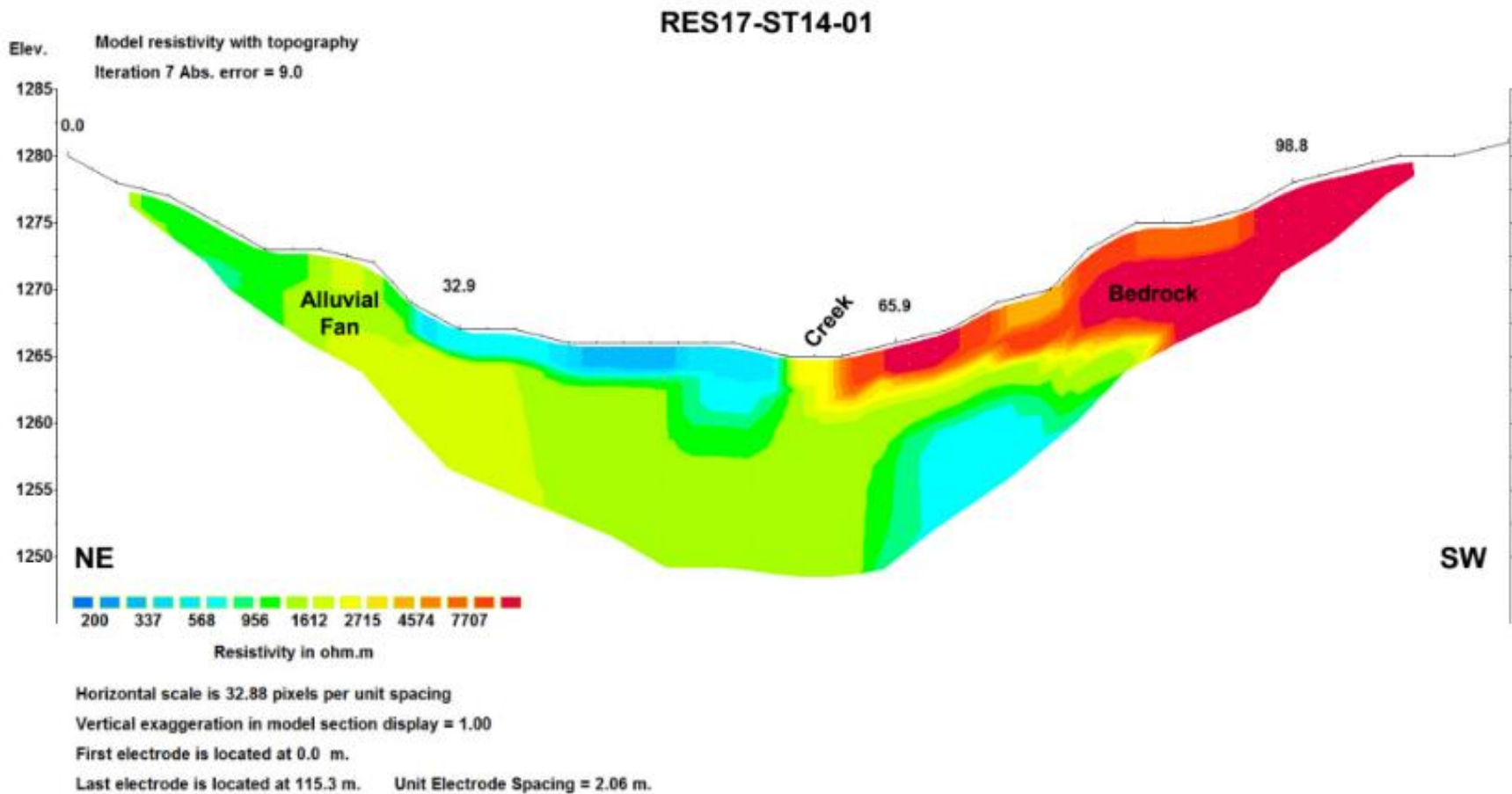


Figure 40 - RES17-ST14-01 displays bedrock/colluvium on surface as a high resistivity zone on the southwest side of the profile. Bedrock outcrop was observed in this location in the field. An alluvial fan overlies the surface on the NE side of the profile.

RES17-ST13-01

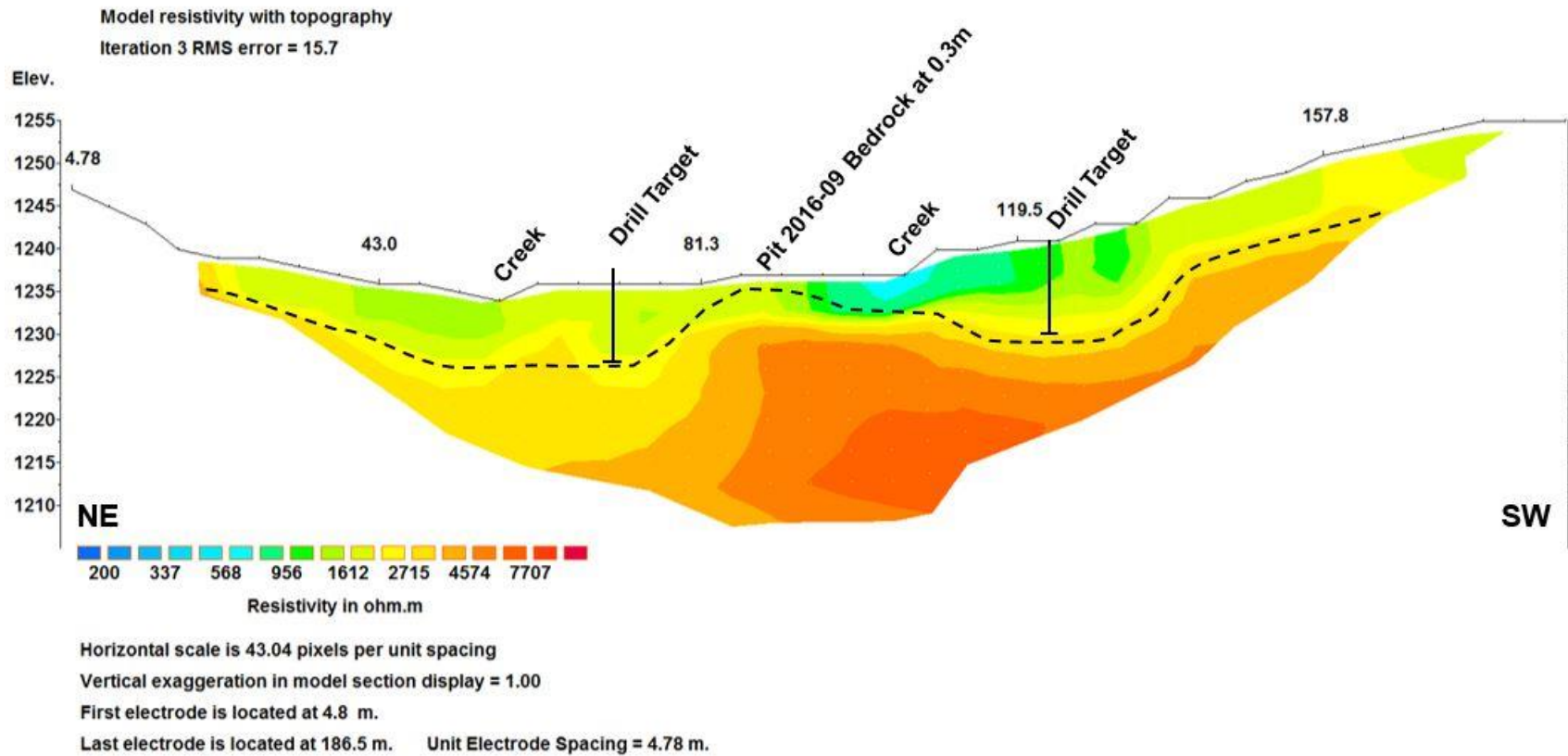


Figure 41 - RES17-ST13-01 is at the confluence of two upper valleys, and crosses an existing test pit excavated in 2016 (2016-09) which found bedrock to be only 0.3 metres below surface. However, two possible channels lie on each side of the profile, which may represent paleochannels from each respective valley.

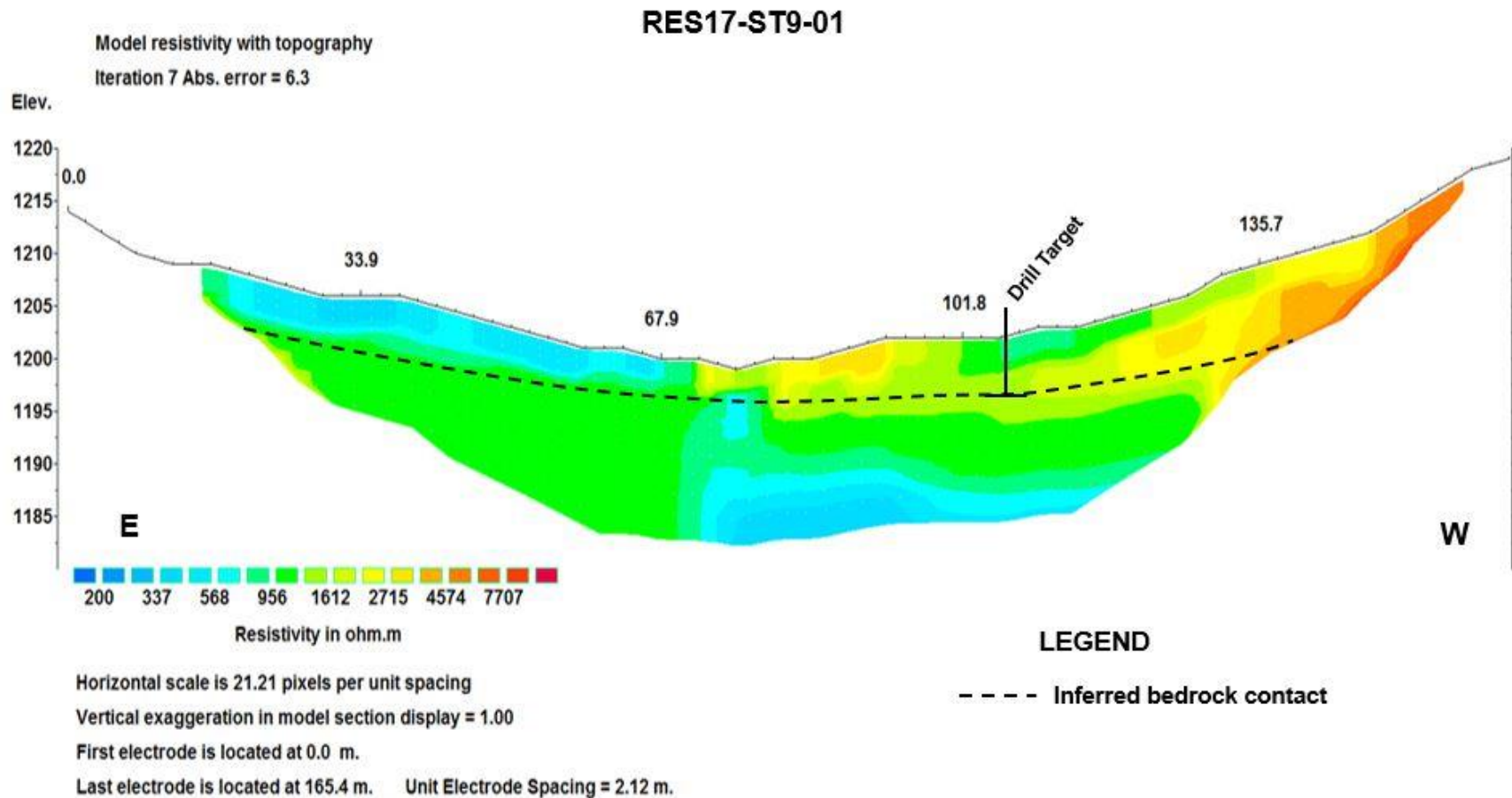


Figure 42 - RES17-ST9-01 was surveyed downstream of Test pit 2016-11, which recovered significant amounts of placer gold. A bedrock contact is inferred from downstream and upstream pits, and a proposed drill target is shown on the profile.

RES17-ST4-01

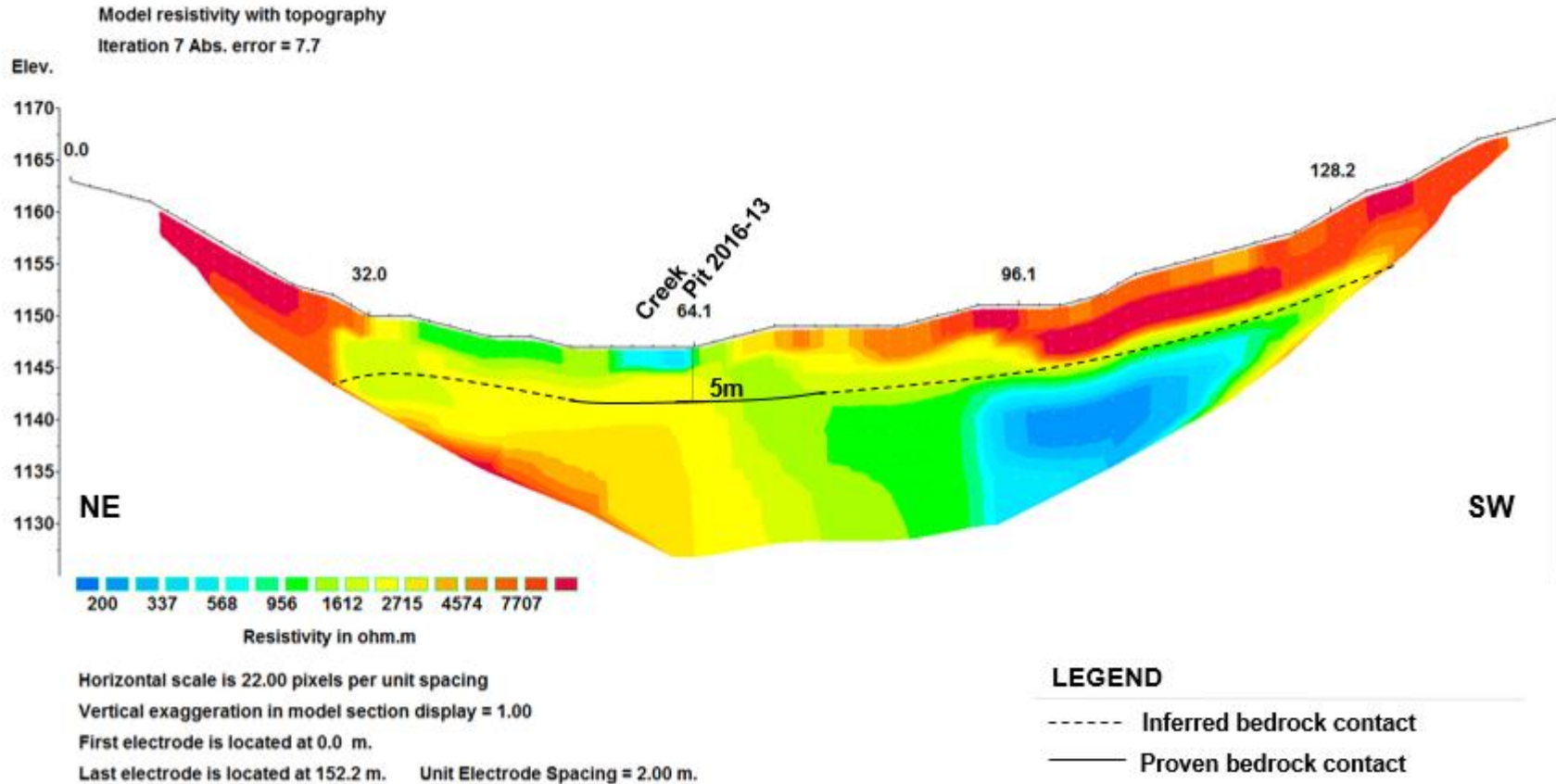


Figure 43 - RES17-ST4-01 intercepts Test Pit 2016-13, which reached bedrock at 5 metres. The bedrock contact has been interpreted as gently sloping at approximately 5 metres below the surface.

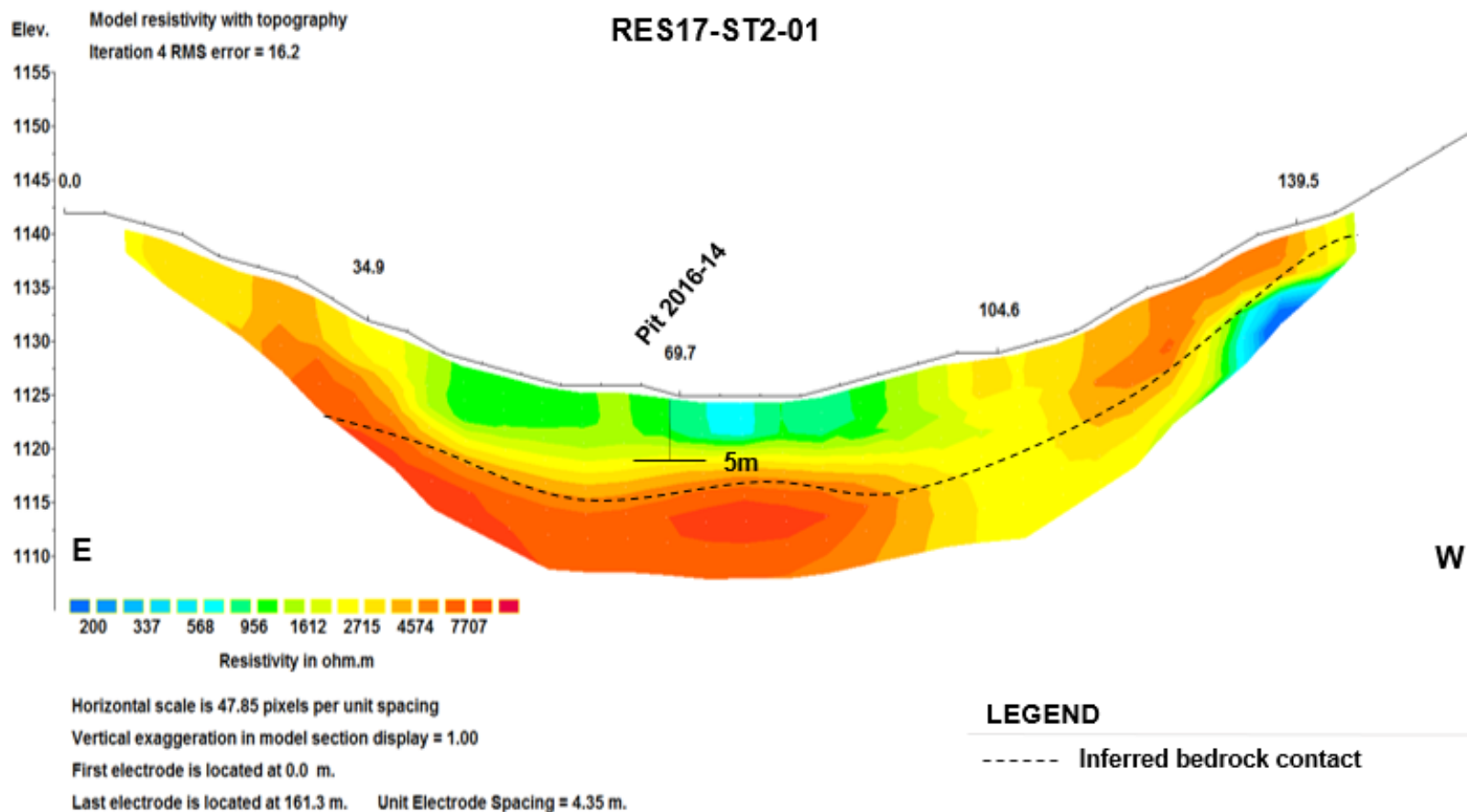


Figure 44 - RES17-ST2-01 is located in the lower Stuart tributary and intercepts Test pit 2016-14. The existing test pit did not reach bedrock, but a bedrock contact has been interpreted as just below this pit.

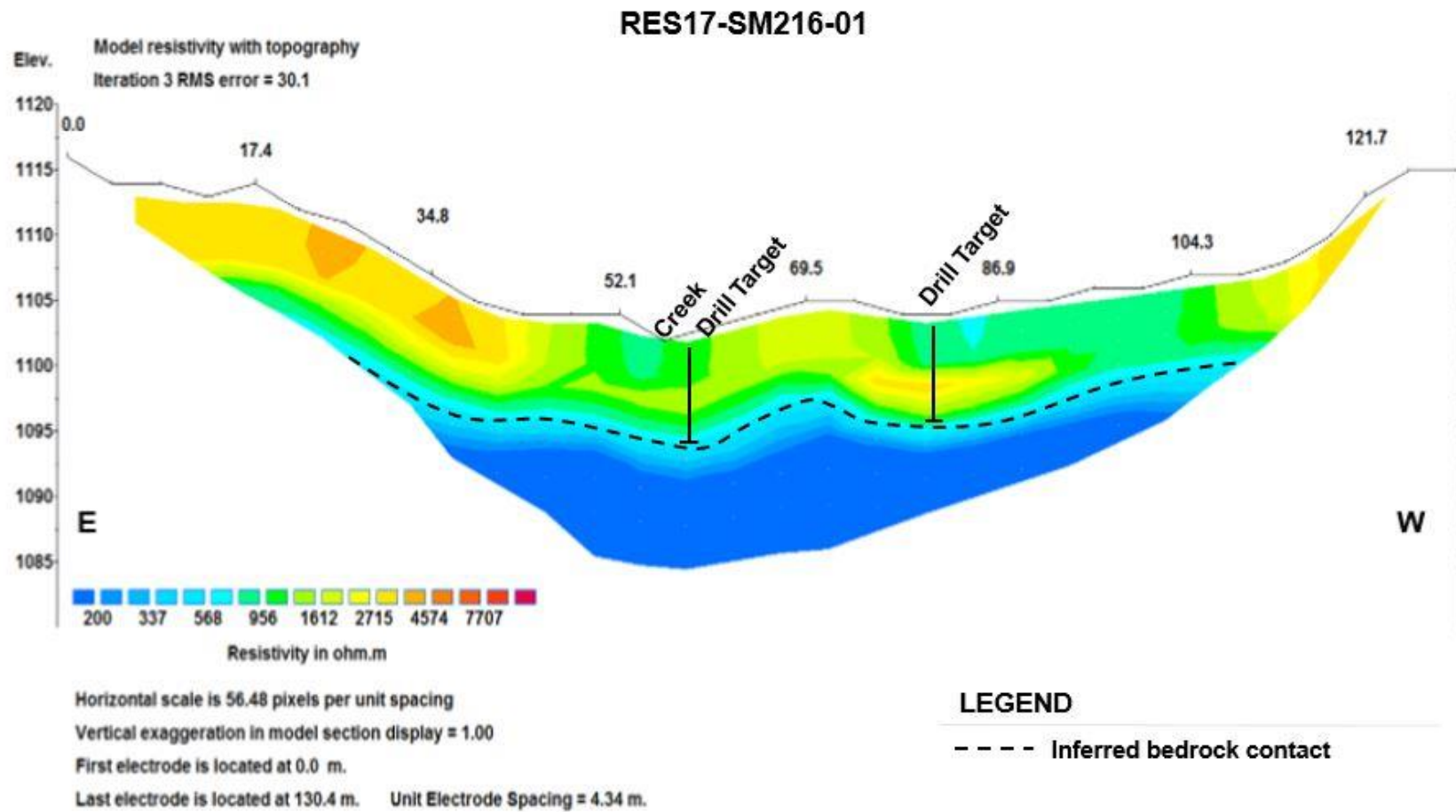


Figure 45 - RES17-SM216-01 is located upstream of RES17-SM217-01 and in the same general orientation. The pseudosection has an interpreted undulating bedrock contact with two possible paleochannels for investigation.

RES17-SM217-01

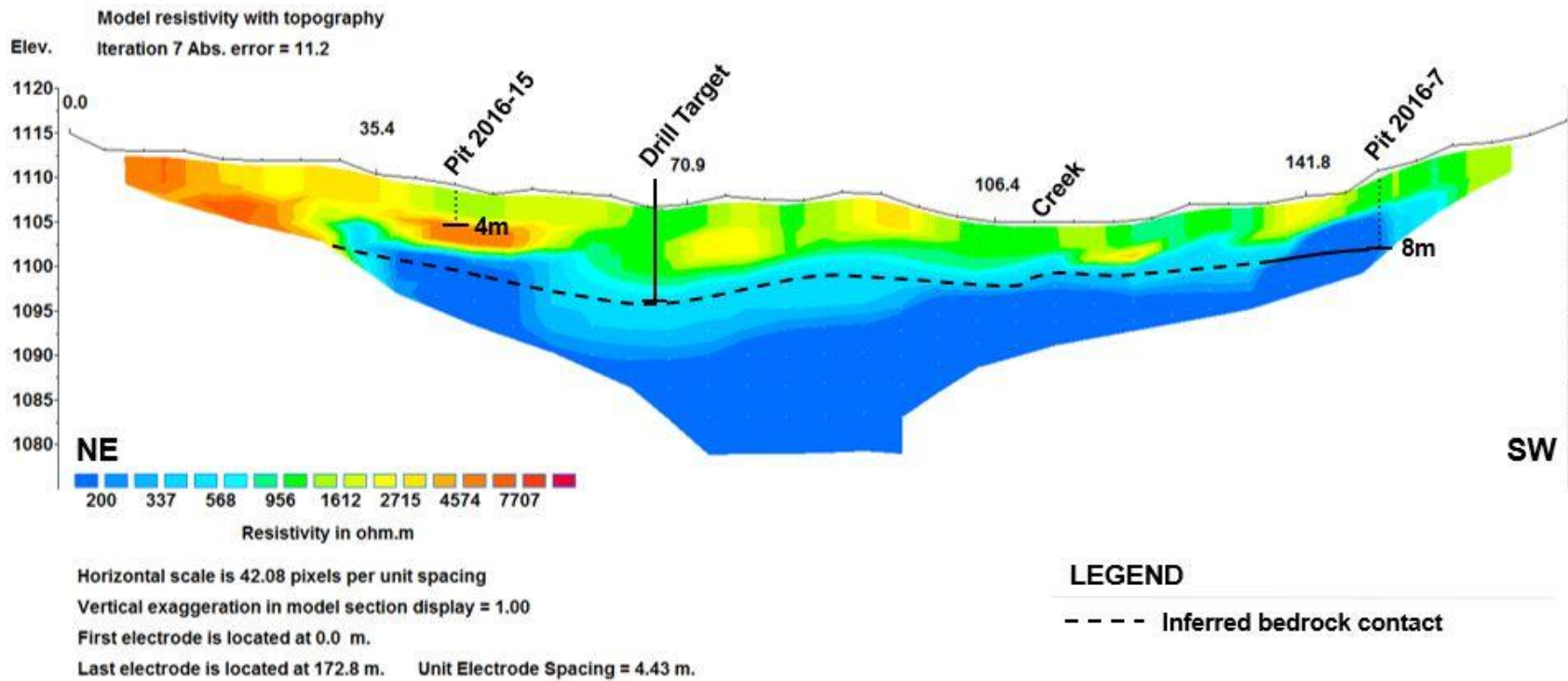


Figure 46 - RES17-SM217-01 was located perpendicular to the mouth of the Stuart claims tributary and crosses near two test pits: 2016-15 and 2016-7. Pit 2016-7 reached bedrock at 8m and pit 2016-15 did not reach bedrock, however it ended in gravel just below sand at 4 m. This may be the high resistivity zone (orange) just below the pit location in the profile. A drill target is shown in the location of the deepest interpreted bedrock.

Excavator Test Pitting

Excavator test pitting was conducted in the Izzie and James claim areas to investigate the depth to bedrock based on resistivity profiles. The depths were used to calibrate the images and to predict bedrock profiles within the pseudosections. In addition, a large test pit was excavated on the IZZIE 14 placer claim and several resistivity profiles were located through and adjacent to the pit.

IZZIE Test Pit

Figure 47 is a compilation diagram showing the excavator test pit on placer claim IZZIE 14. Overlain on this figure are resistivity profile RES17-IZ14-02 and a stratigraphic section which describes the sedimentology of the units overlying the pit on the north side. Profile RES17-IZ14-02 is also shown in a previous section of this report as Figure 21.

The stratigraphy is described as follows:

Bedrock consisting of Hyland Group schist, overlain by 4 metres of subrounded to subangular, boulder cobble gravel (Unit 1), a thin layer (1 metre) of clay-altered yellow pebble cobble diamict (Unit 2), 5 metres of silty, massive to crudely-stratified boulder cobble diamict (Unit 3), followed by 4 metres of blocky, matrix-poor angular boulder cobble diamict (Unit 4) and finally 8 metres of black, silty, boulder cobble diamict (Unit 5).

Units 1 and 2 may be an older glacial till, possibly Reid age, which is remnant and preserved in the bedrock depression in the centre of the test pit and evident in resistivity profile RES17-IZ14-02. Unit 3 is either proximal glaciofluvial outwash gravel (McConnell age) or glacial till (McConnell age). Units 4 and 5 are McConnell age glacial till, which forms most of the landform above the test pit due east towards the upper cirques at Mt. Hinton.

Several bulk samples were processed at the IZZIE pit. Angular grains of gold were recovered but values were deemed uneconomic (S. Gray, pers. comm.). However, the pit was located at the mouth of the Lindsay tributary, and any placer gold values would originate only from that drainage to the south. Any placer gold values originating from the James claims tributary (to the east) would not have been intersected in the IZZIE pit, and therefore this area remains a prospective placer exploration target.

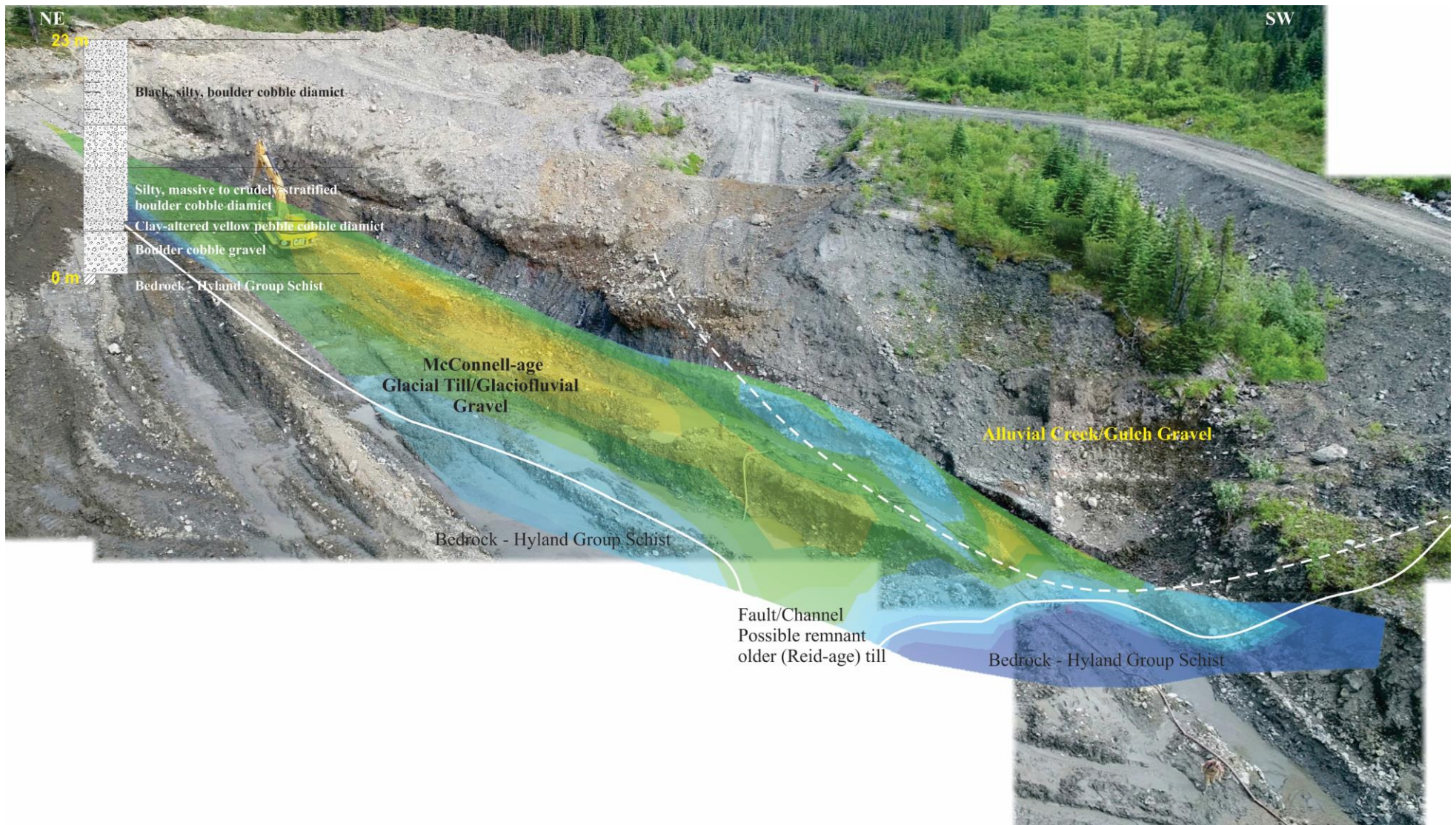


Figure 47 – View looking east of IZZIE test pit, showing interpreted contacts, stratigraphy and resistivity profile RES17-IZ14-02. The resistivity profile is reversed from the original surveyed direction to match the orientation of this view of the pit. A bedrock bench is discernable on the right side of the profile.

Conclusions and Recommendations – 2017 Exploration Program

The resistivity surveys were successful in identifying contrasting zones of high, moderate and low resistivity, which were attributable in varying degrees to permafrost, alluvial gravel, glacial till and bedrock units. Limited test pitting assisted in the bedrock profile interpretations.

The resistivity geophysical surveys were also able to define contacts including potential paleochannels that were traceable from one profile to the next, up and down-valley. This was evident in the area of the IZZIE pit on claim IZZIE 14, where bedrock was exposed and was used to calibrate the bedrock contacts in adjacent and overlapping resistivity surveys. Discontinuous permafrost and variable groundwater saturation complicated interpretation of the geophysical results.

Several drill and test pit targets were chosen in each area for further exploration. The purpose of these are to examine potential interpreted paleochannels and to calibrate bedrock contacts, as well as to evaluate placer gold values. The geographic coordinates of these exploration targets are shown in Table 6, and are also shown on the maps accompanying each target area.

Table 6 - Coordinates, resistivity line numbers and claim location of 2017 drill targets, Upper Duncan Creek.

Target Number	Number on maps	Resistivity Line	Claim Location	Latitude DD	Longitude DD	UTM_N	UTM_E	Zone
2017-01	1	RES17-JM11-01	James 11	63.876917	-135.161734	7083309	492054	8
2017-02	2	RES17-JM11-01	James 11	63.877284	-135.162219	7083350	492031	8
2017-03	3	RES17-JM14-01	James 14	63.875229	-135.173343	7083122	491484	8
2017-04	4	RES17-JM15-01	James 15	63.875259	-135.176694	7083126	491319	8
2017-05	5	RES17-JM16-01	James 16	63.874084	-135.178634	7082995	491223	8
2017-06	6	RES17-IZ16-01	Izzie 16	63.868919	-135.188131	7082421	490755	8
2017-07	7	RES17-IZ15-02	Izzie 15	63.869364	-135.189467	7082471	490690	8
2017-08	8	RES17-IZ15-02	Izzie 15	63.869611	-135.189073	7082498	490709	8
2017-09	9	RES17-IZ15-02	Izzie 15	63.869844	-135.188875	7082524	490719	8
2017-10	10	RES17-IZ13-01	Izzie 14	63.871053	-135.193852	7082660	490475	8
2017-11	11	RES17-IZ13-01	Izzie 14	63.871772	-135.193382	7082740	490498	8
2017-12	12	RES17-IZ15-04	Izzie 15	63.871097	-135.18806	7082664	490759	8
2017-13	13	RES17-IZ14-01	Izzie 14	63.872008	-135.192424	7082766	490545	8
2017-14	14	RES17-IZ15-03	Izzie 15	63.870679	-135.188265	7082617	490749	8
2017-15	15	RES17-IZ14-05	Izzie 13	63.871867	-135.194286	7082751	490454	8
2017-16	16	RES17-LN4-01	Lindsey 4	63.864069	-135.170685	7081878	491611	8
2017-17	17	RES17-GRAY1-01	Gray 1	63.867552	-135.2026	7082271	490044	8
2017-18	18	RES17-IZ8-02	Izzie 8	63.869173	-135.207509	7082452	489803	8
2017-19	19	RES17-IZ8-01	Izzie 8	63.869708	-135.211513	7082513	489606	8
2017-20	20	RES17-IZ12-01	Izzie 11	63.869487	-135.201215	7082486	490112	8
2017-21	21	RES17-IZ12-01	Izzie 11	63.869822	-135.201169	7082524	490115	8
2017-22	22	RES17-ST13-01	Stuart 13	63.847576	-135.221148	7080048	489124	8
2017-23	23	RES17-ST13-01	Stuart 13	63.847812	-135.220312	7080074	489166	8
2017-24	24	RES17-ST9-01	Stuart 9	63.852278	-135.22569	7080573	488903	8
2017-25	25	RES17-SM216-01	Sam 2_16	63.864026	-135.236172	7081884	488392	8
2017-26	26	RES17-SM216-01	Sam 2_16	63.863947	-135.236568	7081875	488373	8
2017-27	27	RES17-SM217-01	Sam 2_16	63.865215	-135.236185	7082016	488392	8

2018 Placer Exploration Program

Overview

In 2018, exploration took place in two main areas; the Stuart, Sam and Jill claims; and the James, Lew and Izzie claim area. A total of 22 resistivity lines totalling 5.225 km were conducted and interpreted by Allegra Webb, Selena Magel and William LeBarge between May 25 and June 24, 2018. Figure 48 shows the location of the survey areas, and Figures 50 and 62 are detailed maps showing the location of the surveys within each exploration area. Additionally, a total of 8 RC drill holes were drilled to determine bedrock depth, materials intersected, and placer gold content. Figure 49 displays the locations of drill holes UD18-01 to UD18-08. While the drill logs are included in Appendix 2 for reference, these have been filed separately for assessment credit and they are not described further in this report.

Methodology – Geophysics

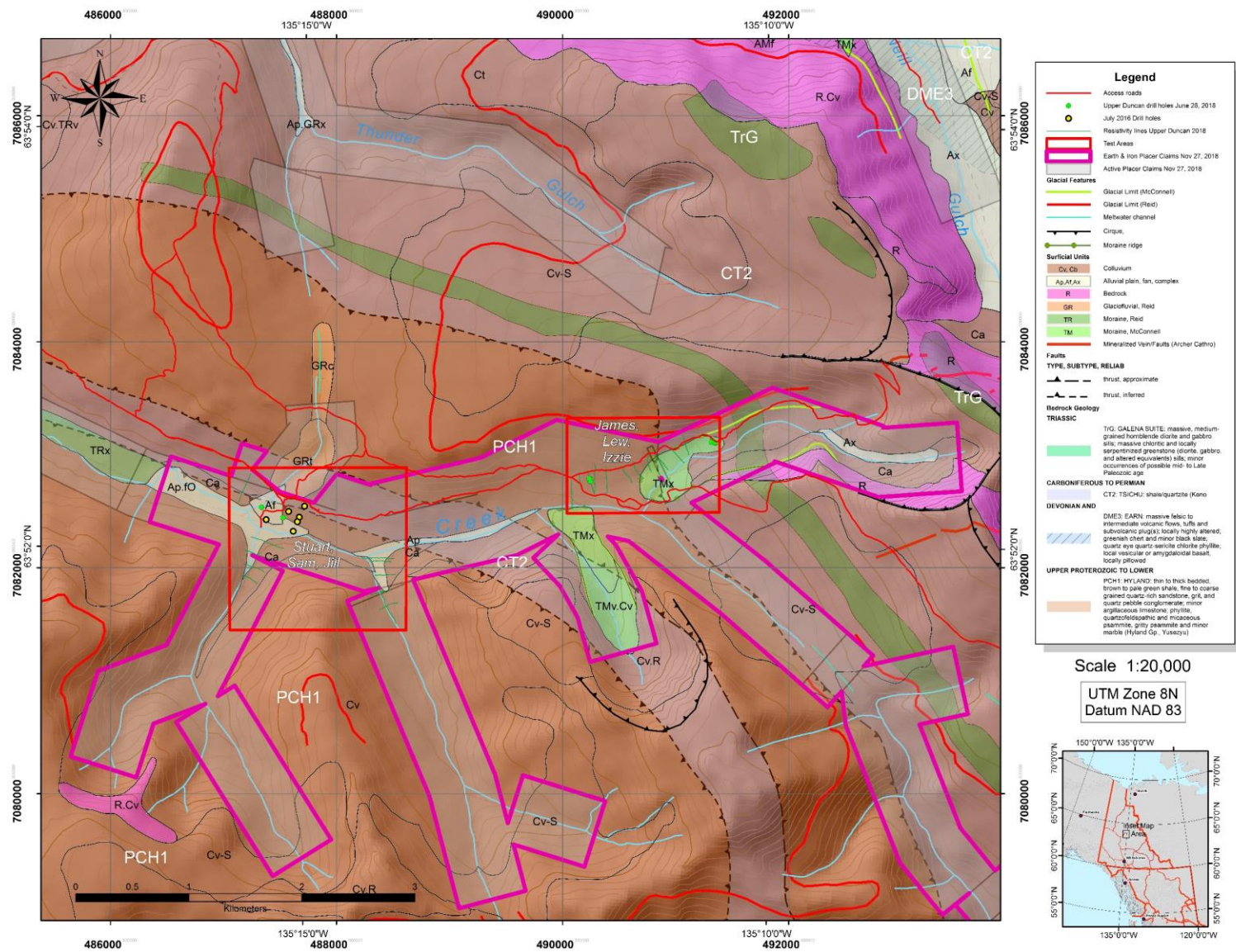
The Lippmann 4-Point Light Resistivity System was used to conduct the surveys. The resistivity technique injects an electrical current into the subsurface through stainless steel spikes and then measures the remaining voltage at various distances away from the injection point. Ground materials have different resistances to the current and give data points in a cross section of the subsurface. With the data points, a tomogram or pseudo section can be created representing changes of resistivity in the ground. Data was collected using Geotest software, while the inversion and data filtering was completed with RES2DINV software. Data points with poor data quality were exterminated and noisy data was filtered statistically with root mean squared data trimming. Two-dimensional tomograms were produced using least squares damped inversion parameters to display the resistivity properties and to display potential contacts. The two-dimensional images are used for preliminary interpretations of bedrock structure. The images were interpreted by Selena Magel, Allegra Webb and William LeBarge.

General principles and assumptions of electrical resistivity are:

1. Low resistivity can indicate thawed and water saturated areas, as well as fine grained material.
2. Very high resistivity values can be due to ice rich material and frozen or highly disturbed ground.
3. Dry gravels, cobbles and boulders generally have high resistivity values.
4. The contrasts between values is more important in determining contacts than the absolute values found with resistivity data.

Limitations and Disclaimer

The interpreted sections provide an estimate of the conditions beneath the surface to the depths conducted and are within the accuracy of the system and methods. The data becomes more uncertain with depth and are more accurate toward the surface and is further complicated with permafrost present in the region. The materials are interpreted based upon local geology observed, as well as geologic knowledge of the area. Certain materials may be similar in composition and result in uncertain results. The accuracy of the information presented is not guaranteed and all mine development is the client's responsibility. William LeBarge, Allegra Webb and Selena Magel accept no liability for any use or application by any and all authorized or unauthorized parties.



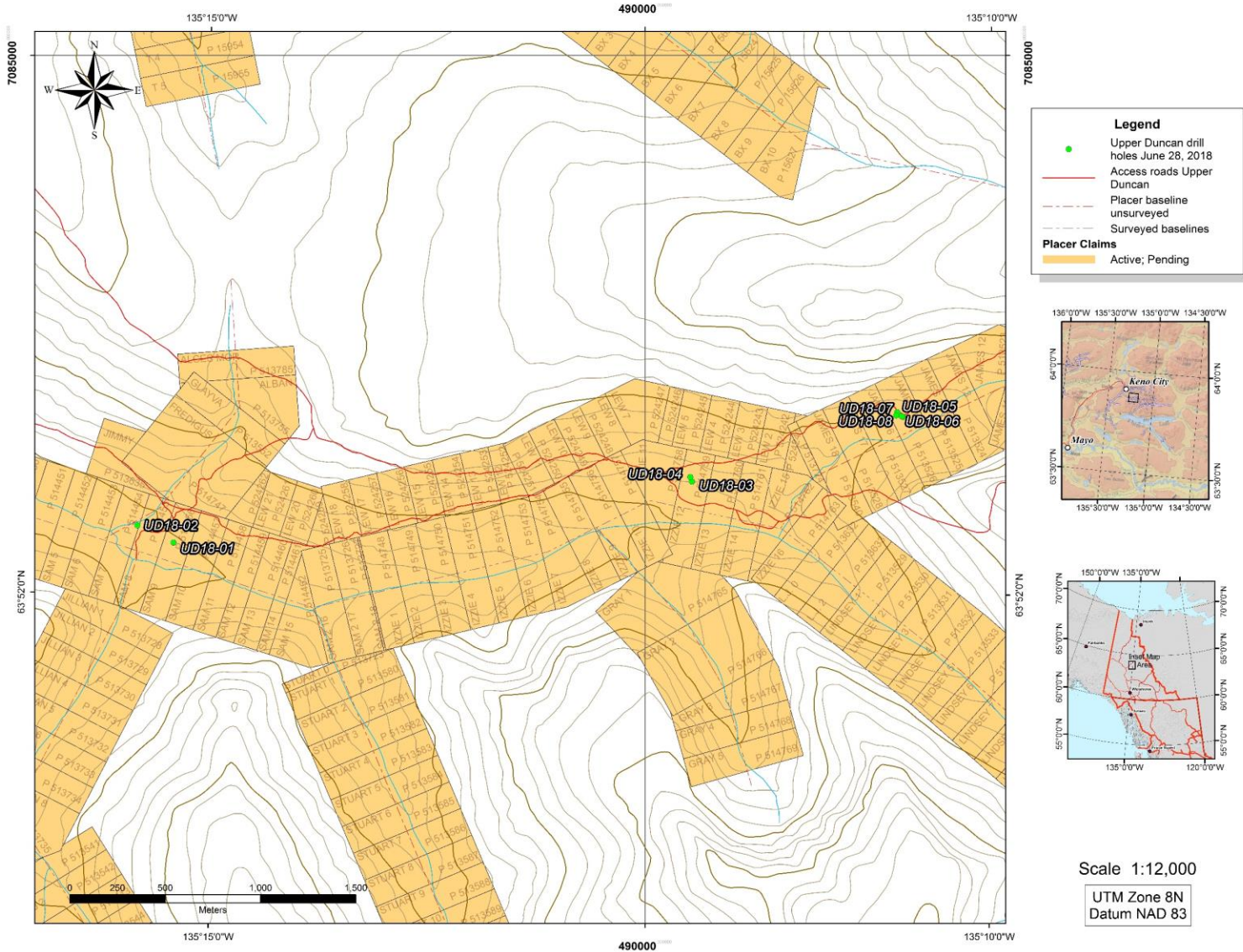


Figure 49 - Claim map of Upper Duncan Creek showing the location of R/C drill holes drilled during the 2018 exploration program.

General Results

The lengths and locations of the resistivity surveys conducted in Upper Duncan claims are shown in Table 7. Good data and contact resistance were obtained in most surveys due to a combination of water saturated ground and the process of adding salt water to each electrode location to improve the conductivity to the ground.

Extensive permafrost in some survey areas increased the uncertainty of the interpreted results. Permafrost was more continuous on north facing slopes and was discontinuous on south-facing slopes and in parts of the valleys with high water saturation. In these areas, contrasts between low and high resistivity values may have been partially or wholly a reflection of varying groundwater and permafrost conditions rather than strictly lithological boundaries, however there is enough information to identify drill targets for further exploration.

In most of the surveys conducted, there is a bedrock contact interpreted. The bedrock contact appears undulating in most surveys and this could be indicative of paleochannels in the valleys and benches. The bedrock features identified with resistivity surveys are recommended to be drilled to confirm depths and placer gold values.

Drill holes completed in 2016, 2017 and 2018 assisted in the estimation of bedrock depths. In many cases, the nature of the overburden material was interpreted from information derived from past excavator test- pitting.

Drill targets have been chosen on the resistivity survey pseudosections and indicated with a yellow star. These targets were generally picked in low areas of the bedrock profile which could be interpreted as paleochannels.

Detailed interpretations of the surveys in each targeted area are in the section following. The lines are plotted on Figures 50 and 62.

Table 7 - 2018 Resistivity line names with lengths and start and end GPS points.

Line Name	Start Point				End Point				Line length (m)	Date surveyed
	Latitude	Longitude	UTM N	UTM E	Latitude	Longitude	UTM N	UTM E		
RES18-IZ11-01	63.8721	-135.2019	7082777	490078	63.8698	-135.2018	7082520	490085	300	June 3/18
RES18-IZ11-02	63.8726	-135.2007	7082835	490141	63.8719	-135.2003	7082750	490156	100	June 3/18
RES18-IZ12-01	63.8727	-135.1990	7082842	490224	63.8711	-135.1979	7082664	490274	200	June 3/18
RES18-IZ12-03	63.8733	-135.1977	7082913	490288	63.8709	-135.1977	7082647	490283	300	June 4/18
RES18-IZ13-01	63.8732	-135.1958	7082896	490382	63.8710	-135.1958	7082650	490377	275	June 4/18
RES18-JL1-01	63.8653	-135.2609	7082035	487178	63.8647	-135.2572	7081963	487357	200	May 27/18
RES18-JL2-01	63.8644	-135.2612	7081928	487161	63.8638	-135.2584	7081866	487300	200	May 28/18
RES18-JM17-01	63.8747	-135.1840	7083068	490958	63.8735	-135.1817	7082934	491073	200	June 6/18
RES18-JM17-02	63.8756	-135.1818	7083170	491067	63.8741	-135.1809	7083000	491114	200	June 7/18
RES18-JM18-01	63.8745	-135.1869	7083048	490818	63.8729	-135.1845	7082867	490933	250	June 6/18
RES18-LEW2-01	63.8743	-135.1882	7083024	490756	63.8728	-135.1875	7082851	490786	200	June 5/18
RES18-LEW2-02	63.8735	-135.1908	7082938	490624	63.8722	-135.1889	7082791	490718	200	June 5/18
RES18-LEW3-01	63.8732	-135.1930	7082899	490516	63.8718	-135.1910	7082746	490616	200	June 5/18
RES18-SM215-01	63.8658	-135.2396	7082085	488222	63.8658	-135.2339	7082083	488507	200	May 29/18
RES18-SM216-01	63.8656	-135.2383	7082059	488289	63.8655	-135.2343	7082051	488483	200	May 28/18
RES18-SM216-02	63.8645	-135.2373	7081933	488339	63.8645	-135.2336	7081941	488518	300	May 29/18
RES18-SM6-01	63.8725	-135.2597	7082830	487239	63.8702	-135.2619	7082575	487130	300	May 25/18
RES18-SM7-01	63.8664	-135.2606	7082156	487192	63.8654	-135.2555	7082045	487445	300	May 27/18
RES18-SM7-02	63.8675	-135.2596	7082272	487244	63.8666	-135.2537	7082172	487531	300	May 30/18
RES18-ST0-01	63.8629	-135.2380	7081763	488301	63.8633	-135.2345	7081801	488474	200	May 31/18
RES18-ST1-01	63.8617	-135.2364	7081628	488379	63.8623	-135.2331	7081676	488547	200	May 31/18
RES18-ST2-01	63.8638	-135.2365	7081863	488378	63.8607	-135.2335	7081508	488522	400	May 31/18

Targeted Areas and Interpreted Profiles

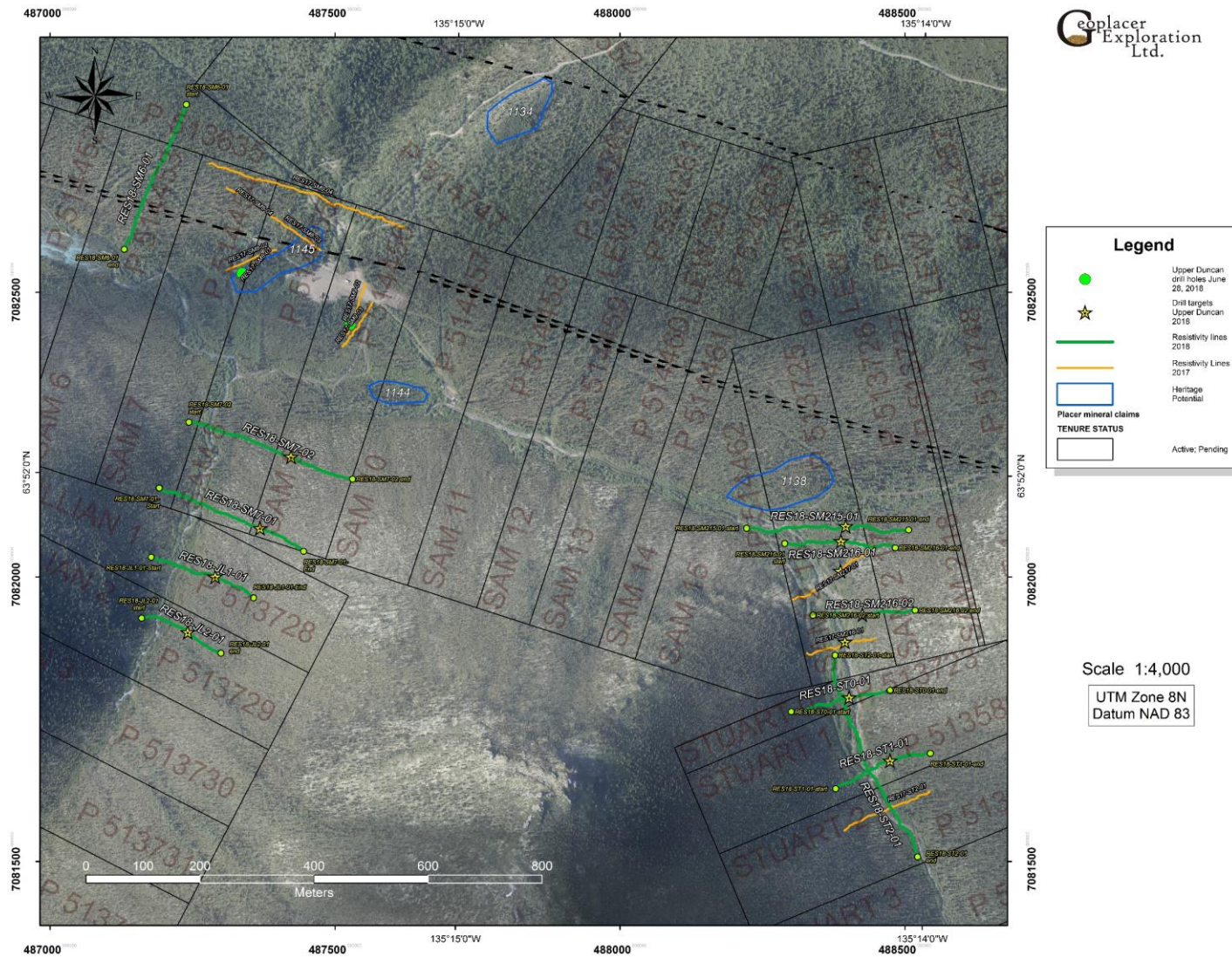


Figure 50 - Location of 2018 Resistivity surveys on the Stuart, Sam and Jill claims, Upper Duncan Creek.

Stuart, Sam and Jill Claims

RES18-SM6-01schlum 290M * non-conventional or general array

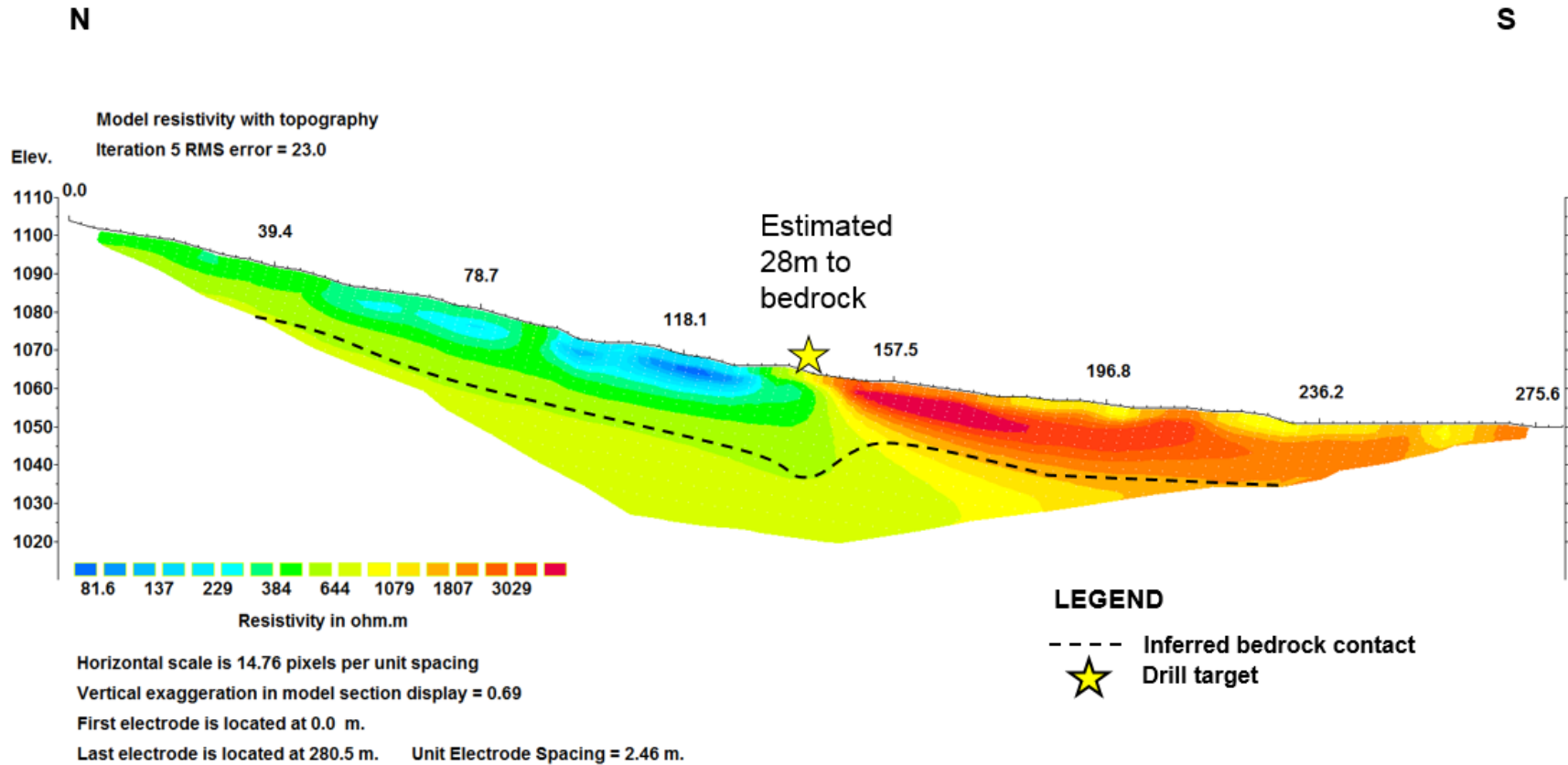


Figure 51 - RES18-SM6-01 is surveyed downstream of the alluvial fan material on the right limit of Upper Duncan Creek. The survey is primarily interpreted to show zones of frozen permafrost (red) and thawed areas (blue). The target chosen in the center interpreted bedrock undulation of the profile could indicate a paleochannel in the till unit with placer gold potential in the valley.

RES18-SM07-02 300m dd * non-conventional or general array

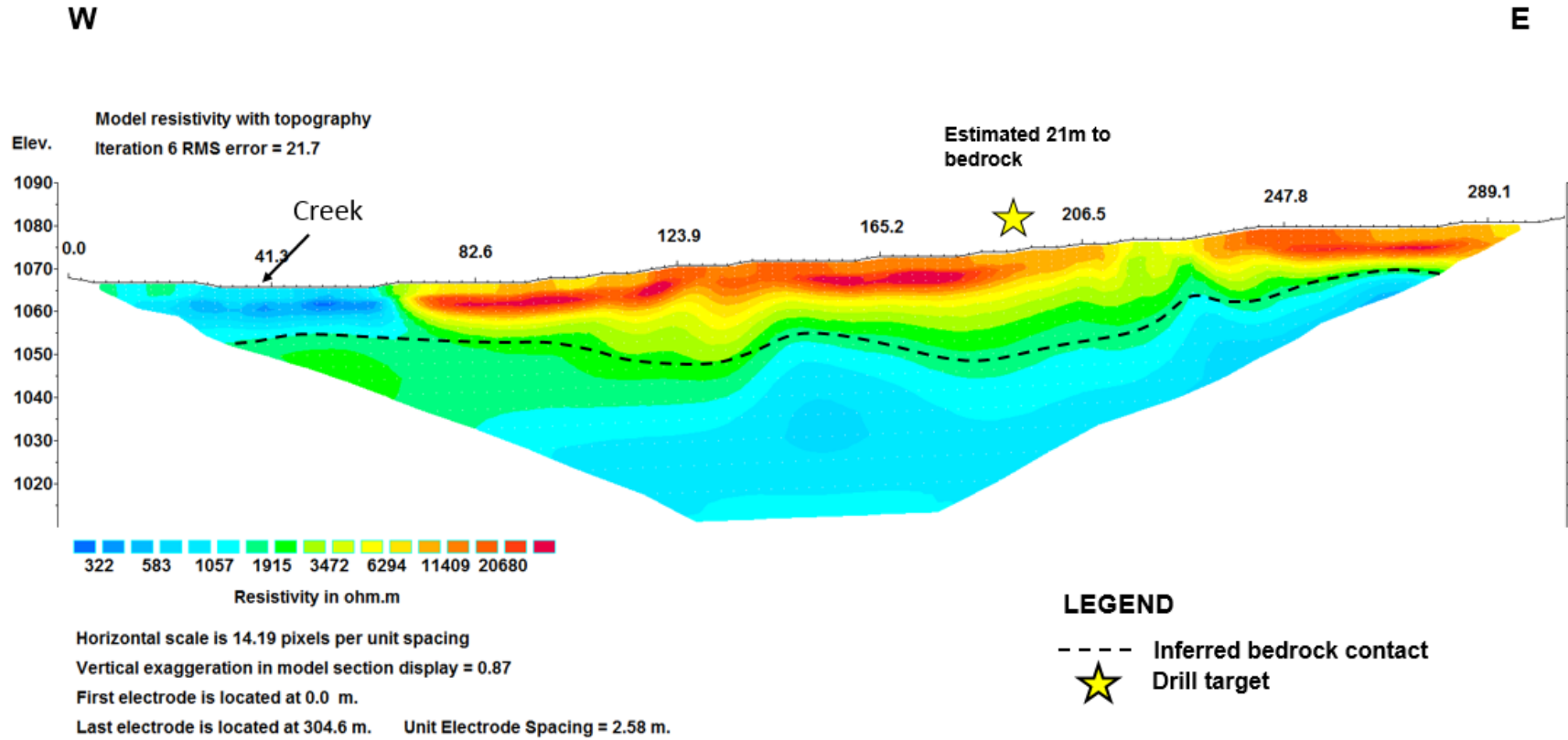


Figure 52 - RES18-SM7-02 is surveyed across the mouth of the Jill tributary. The interpreted bedrock profile shows a distinct undulation on the right limit bench that could host placer gold. This bedrock undulation has been identified as a future drill target.

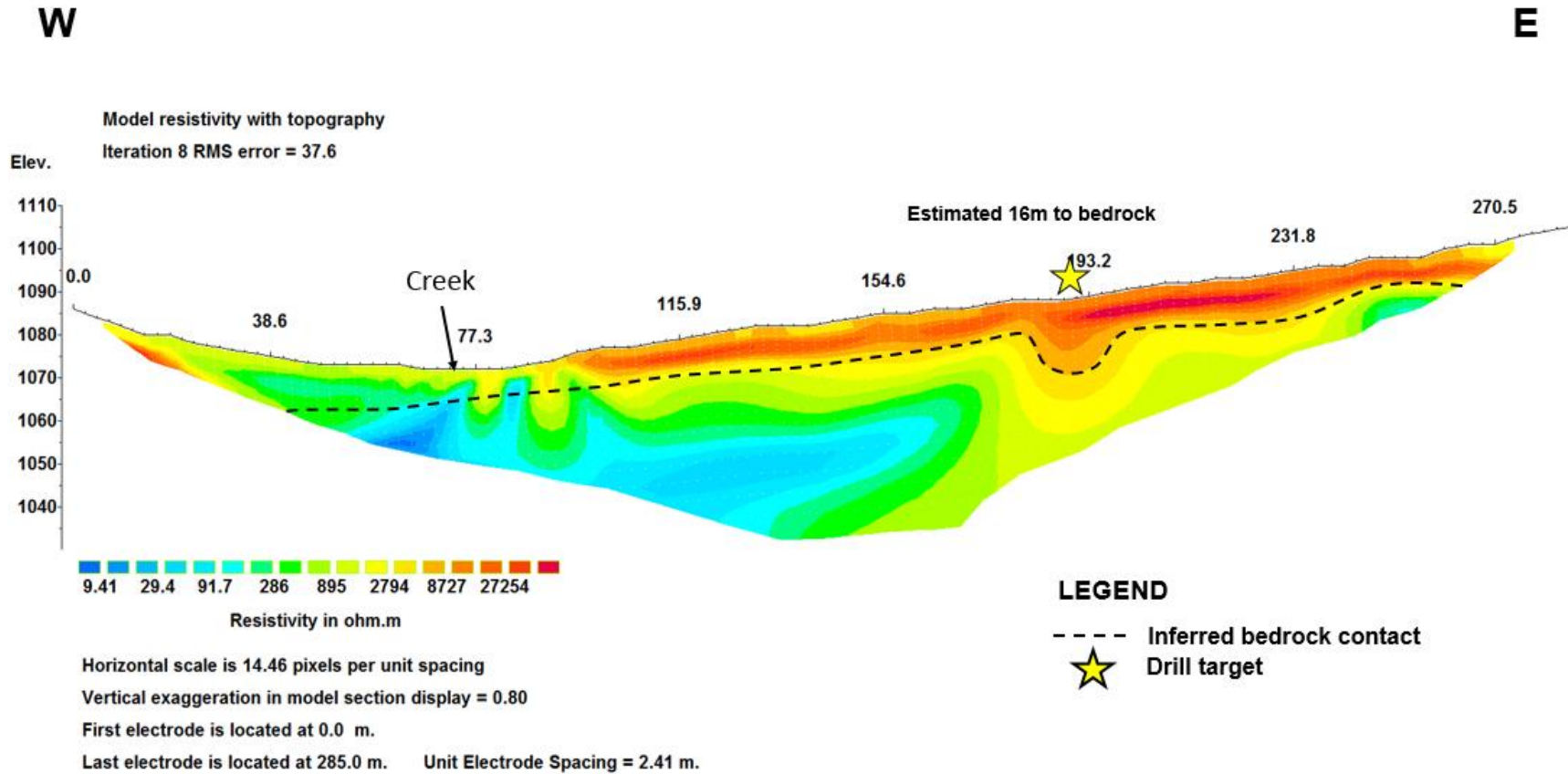


Figure 53 - RES18-SM7-01 is surveyed across the mouth of the Jill tributary. The interpreted bedrock profile shows a distinct undulation on the right limit bench that could host placer gold. This bedrock undulation has been identified as a future drill target.

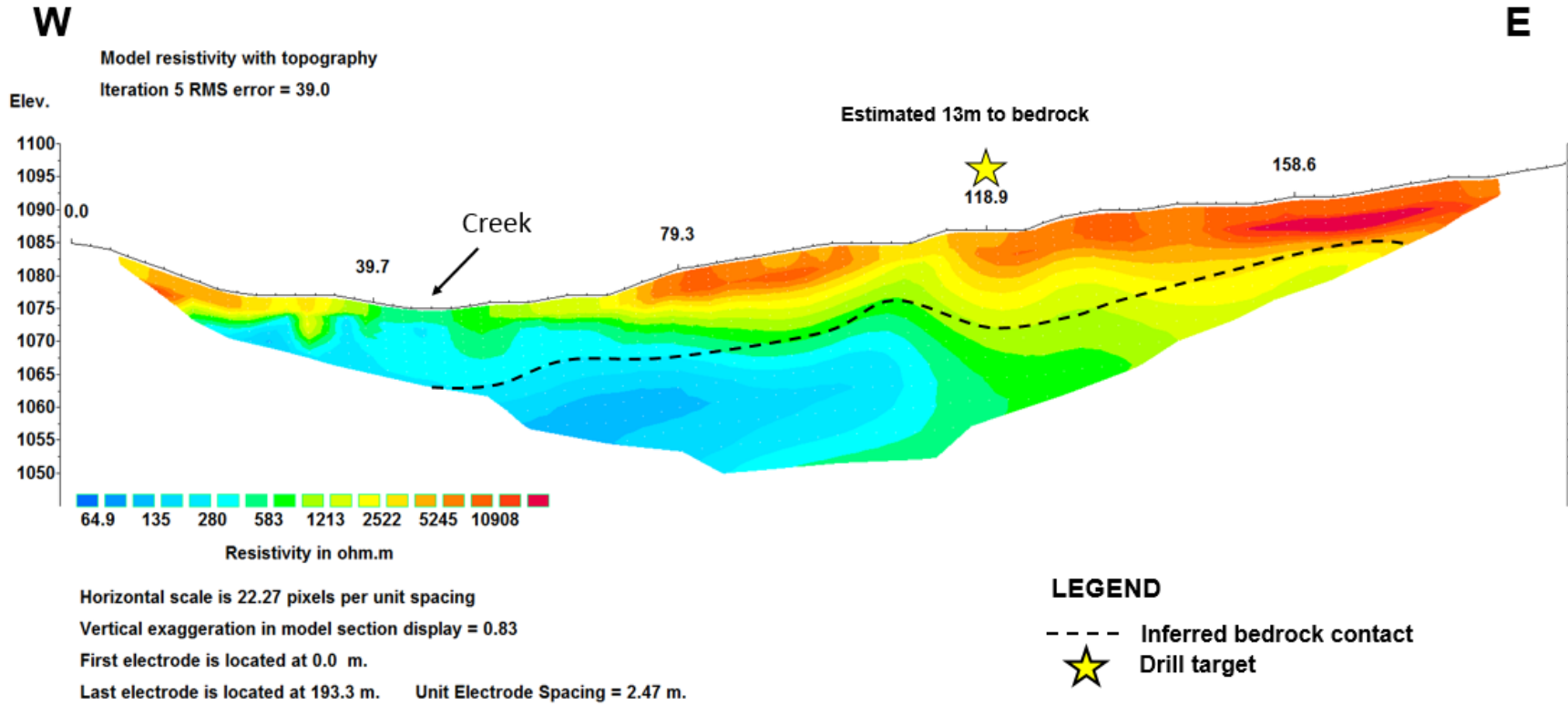


Figure 54 - RES18-JL1-01 is surveyed across the Jill tributary. The interpreted bedrock profile shows a distinct undulation on the right limit bench that could host placer gold. This bedrock undulation has been identified as a future drill target.

W

E

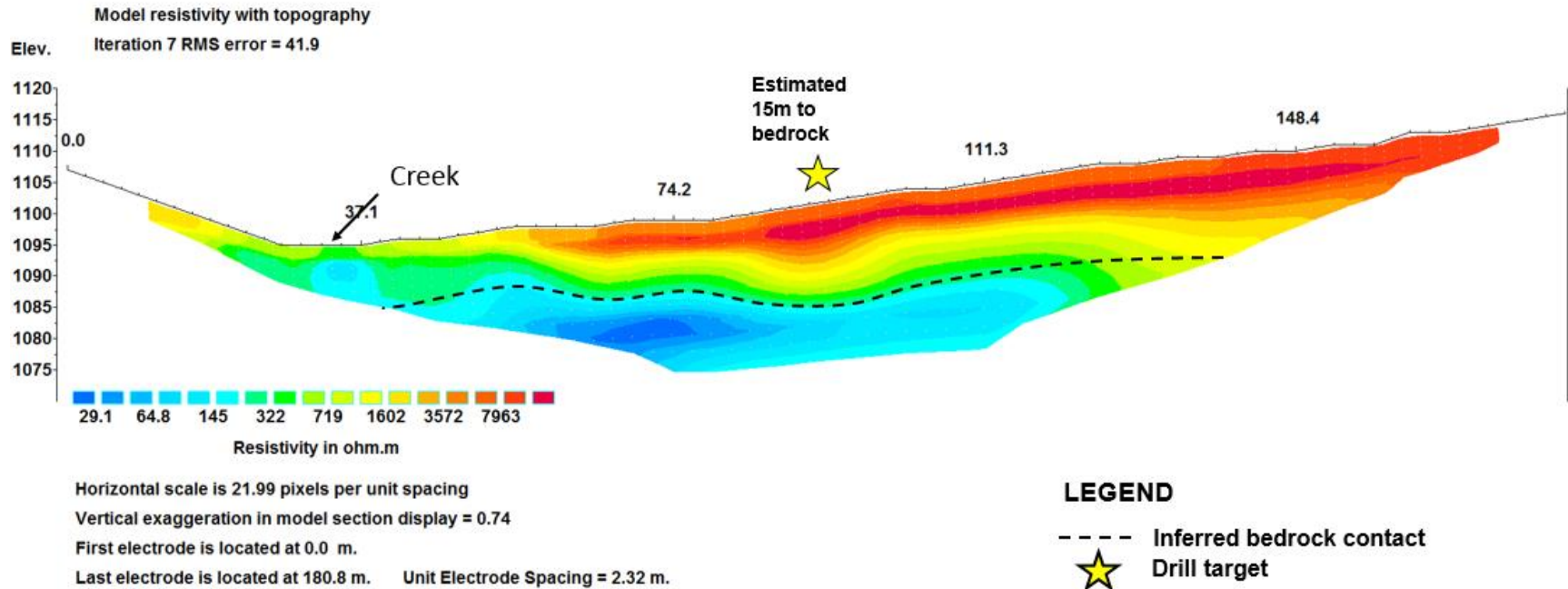


Figure 55 - RES18-JL2-01 is surveyed across the mouth of the Jill tributary. The interpreted bedrock profile shows a undulation on the right limit bench that could host placer gold. This bedrock undulation has been identified as a future drill target.

RES18-SM15-01 schlum 300m * non-conventional or general array

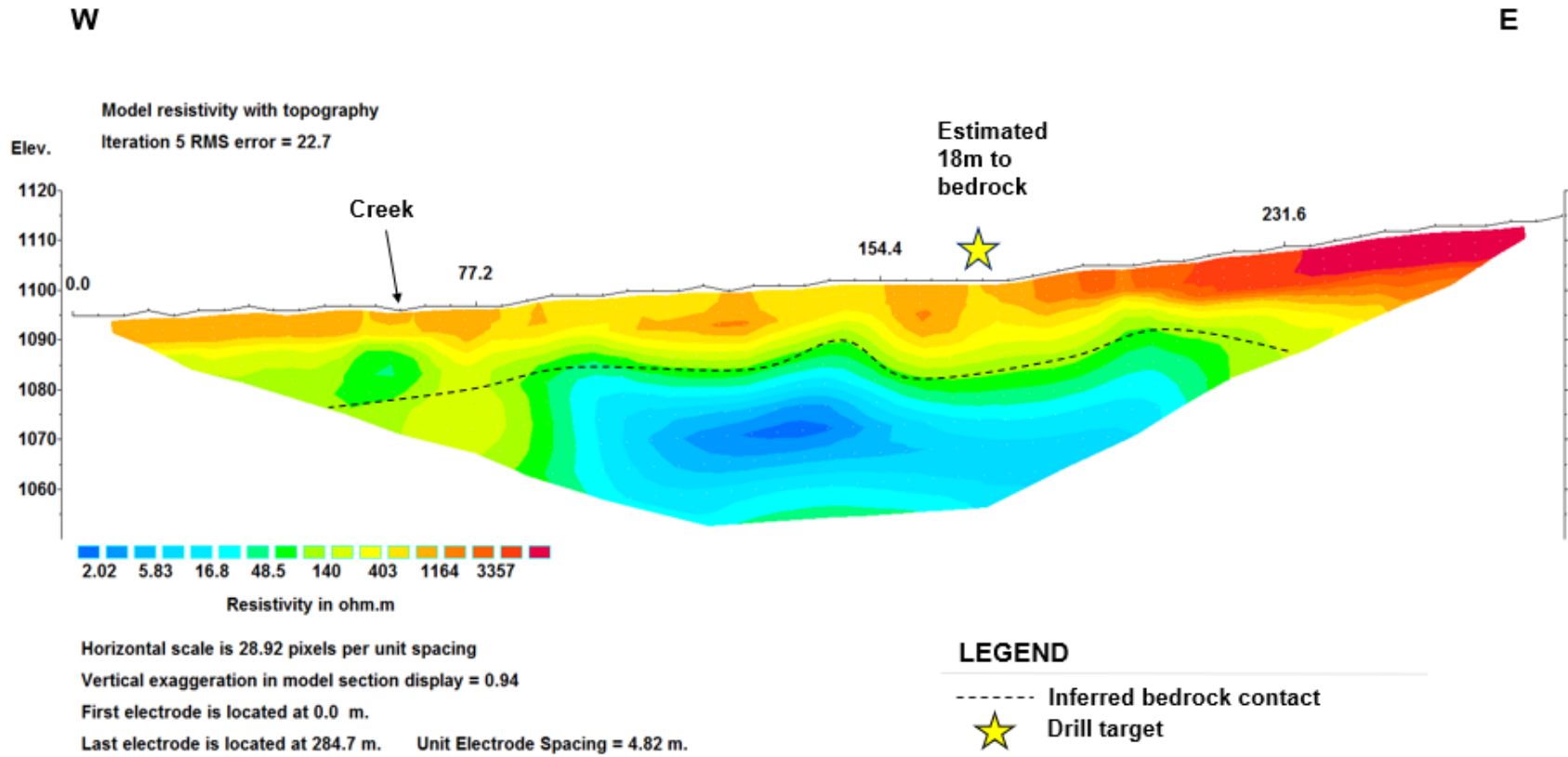


Figure 56 - RES18-SM215-01 is surveyed across the mouth of the Stuart tributary in the Upper Duncan valley. The interpreted bedrock profile shows minor undulations and a drill target has been identified on the right limit of the tributary for future exploration.

W

E

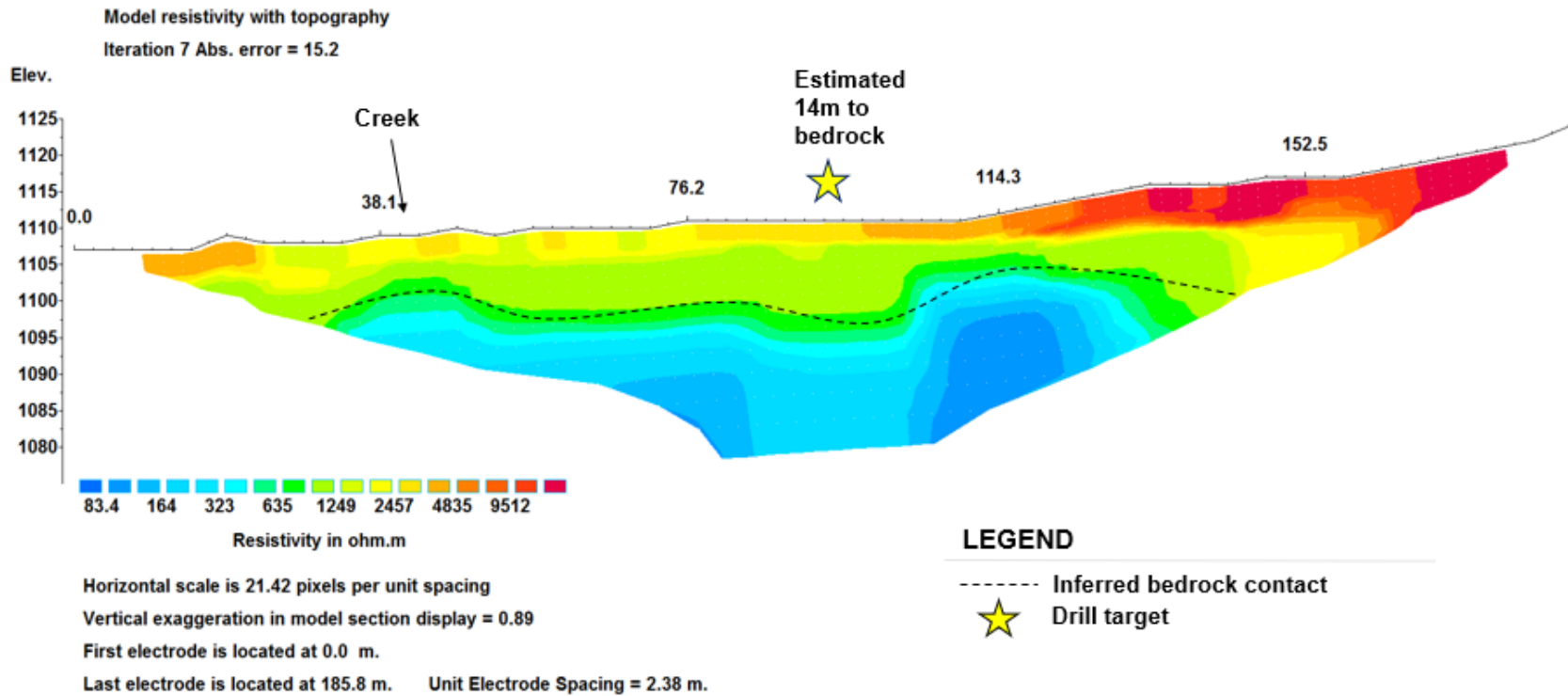


Figure 57 - RES18-SM216-01 is surveyed across the mouth of the Stuart tributary in the Upper Duncan valley. The interpreted bedrock profile shows minor undulations and a drill target has been identified on the right limit of the tributary for future exploration.

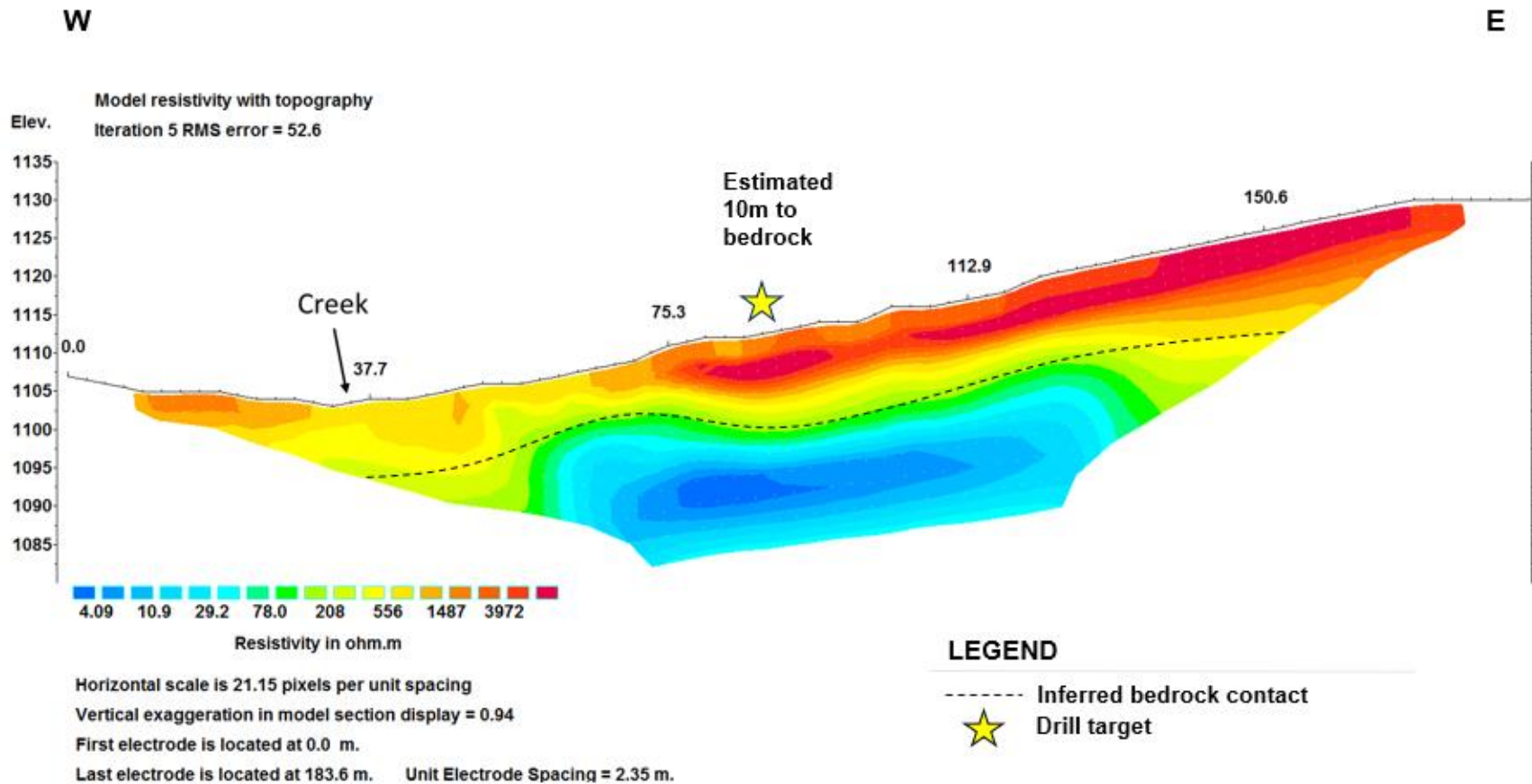


Figure 58 - RES18-SM216-02 is surveyed across the mouth of the Stuart tributary in the Upper Duncan valley. The interpreted bedrock profile shows minor undulations and a drill target has been identified on the right limit of the tributary for future exploration.

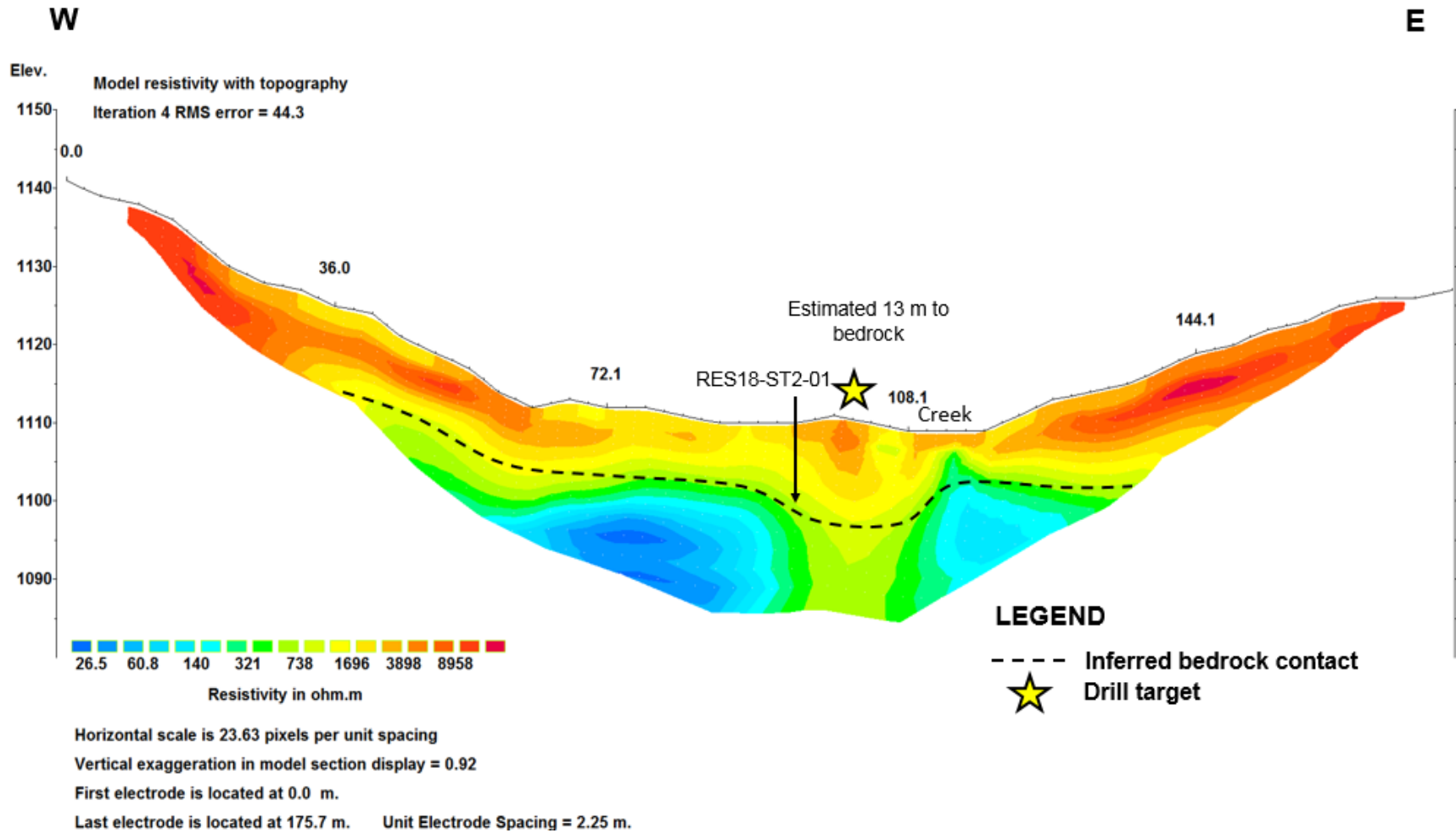


Figure 59 - RES18-ST0-01 is surveyed across the Stuart tributary in the Upper Duncan drainage. The interpreted bedrock profile is undulating with a drill target identified in the middle of the valley. Longitudinal profile line RES18-ST2-01 intersects this line on the left limit of the creek.

RES18-ST1-0 1 DD 200m * non-conventional or general array

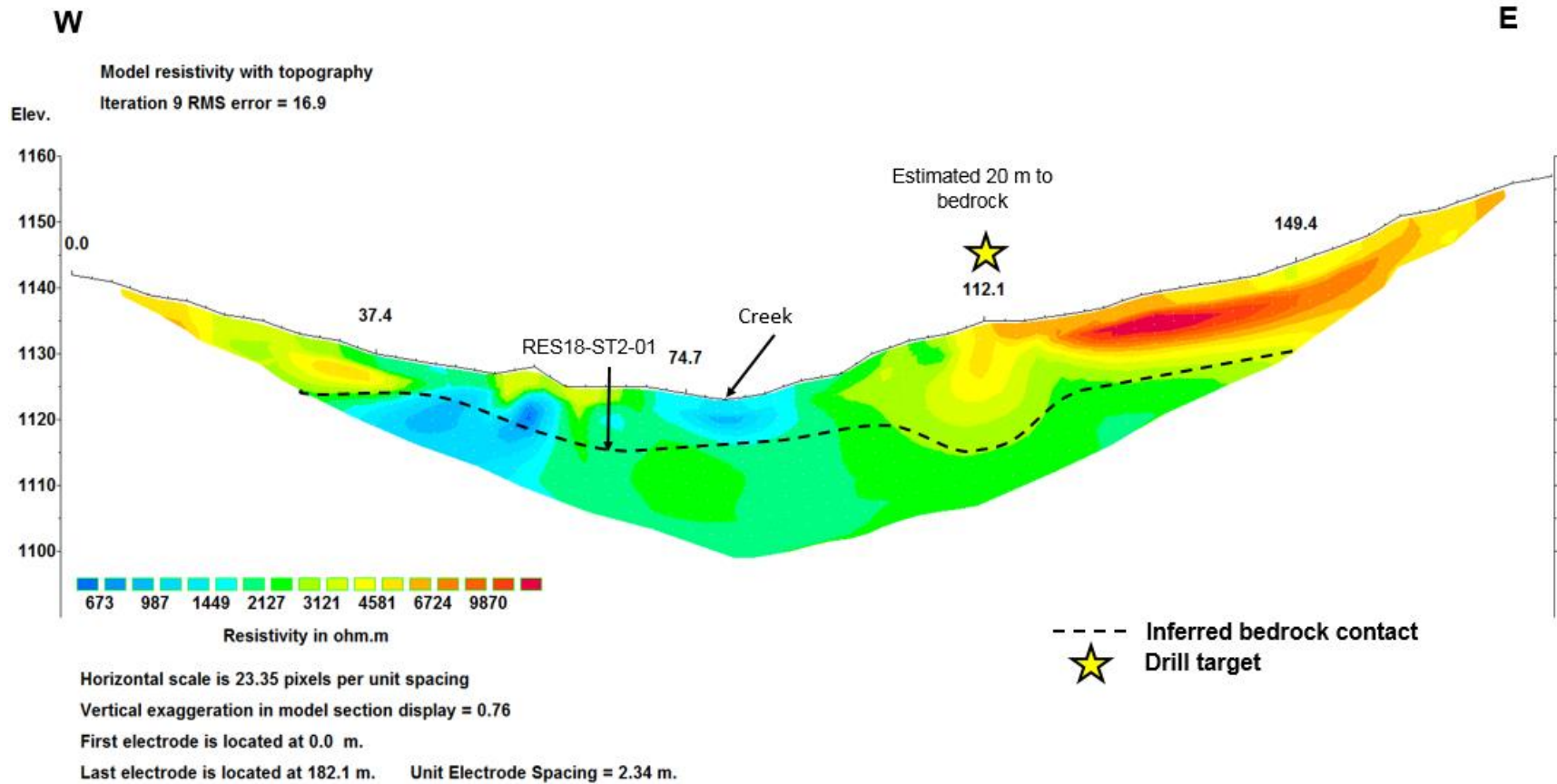


Figure 60- RES18-ST1-01 is surveyed across the Stuart tributary in the Upper Duncan drainage. The interpreted bedrock profile is undulating with a drill target identified in the right limit side of the valley. Longitudinal profile line RES18-ST2-01 intersects this line on the left limit of the creek.

RES18-ST2-01 400m dd * non-conventional or general array

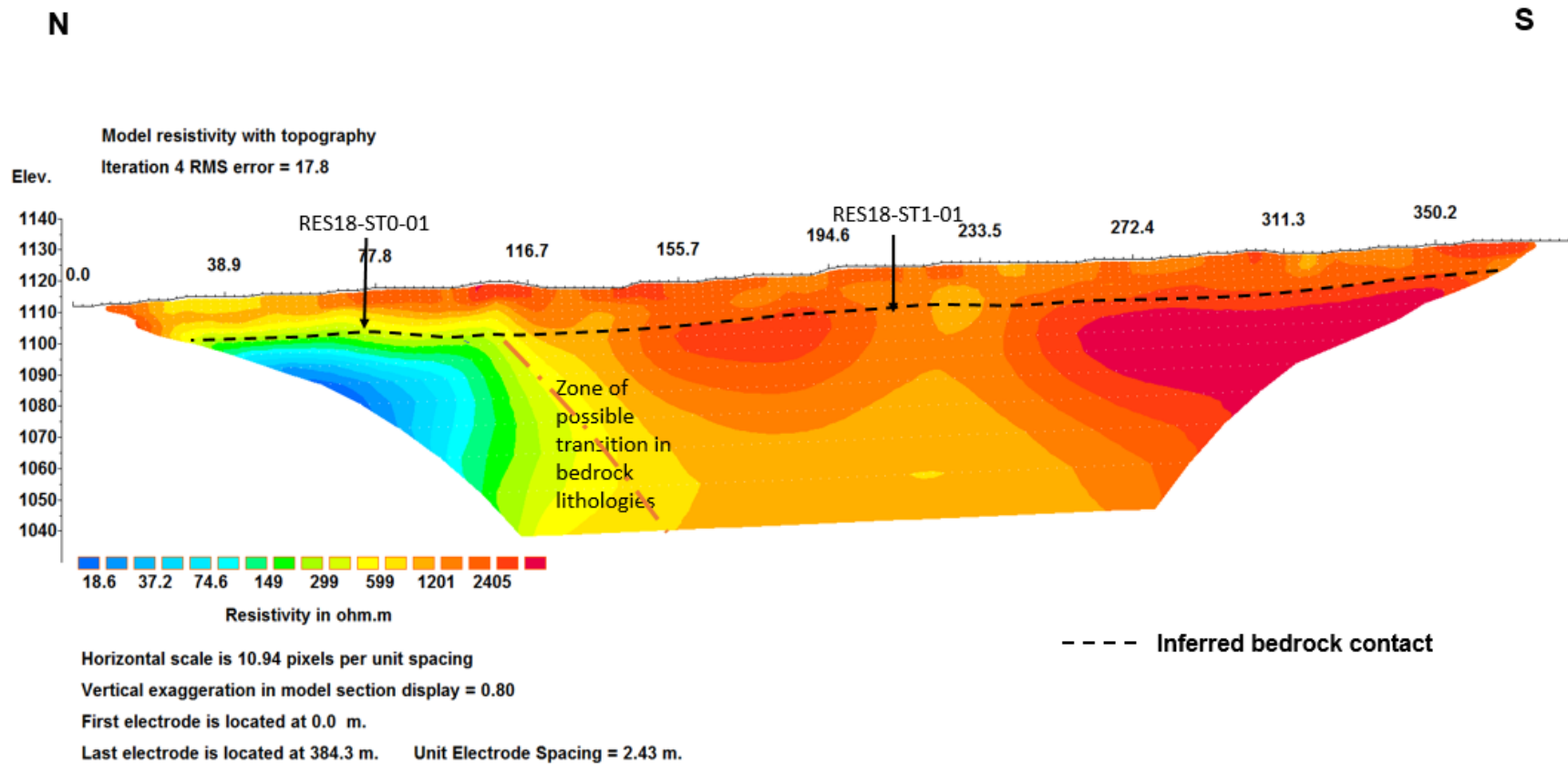


Figure 61 - RES18-ST2-01 is surveyed along the creek in the Stuart tributary in the Upper Duncan drainage, and intersects lines RES18-ST0-01 and RES18-ST1-01. The interpreted bedrock profile is relatively flat, however there is a possible change in bedrock lithology between the upstream and downstream extent.

James, Lew, and Izzie Claims (Upper Duncan Moraines)

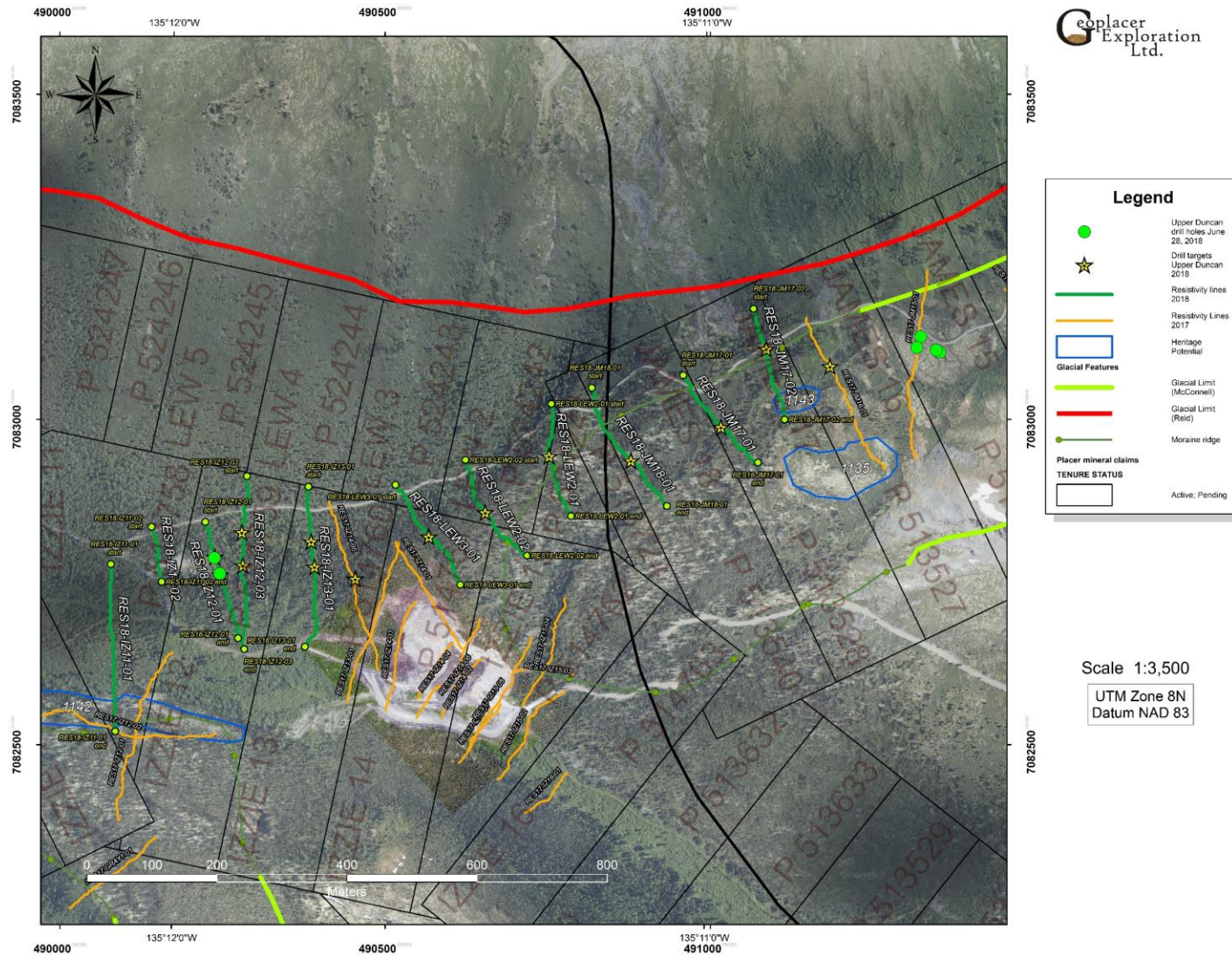


Figure 62 - Location of 2018 Resistivity surveys on the James, Lew and Izzie claims, Upper Duncan Creek.

RES18-IZ11-01 schlum 300m * non-conventional or general array

N

S

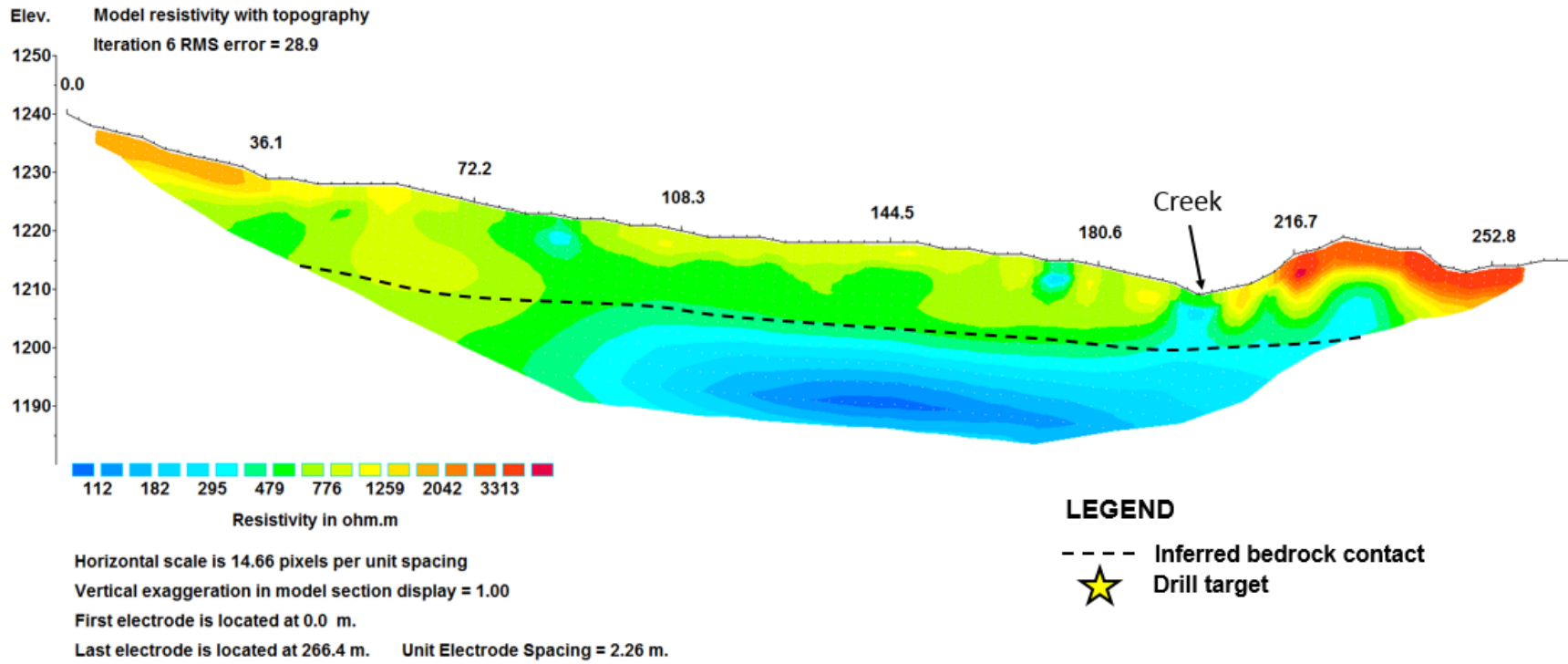


Figure 63 - RES18-IZ11-01 is surveyed across Upper Duncan Creek near the confluence of the James claims and Izzie claims. The red zone on the south side is McConnell moraine, which originates in the Gray claims valley. This interpreted bedrock profile is slightly undulating with no drill targets identified.

RES18-IZ11-02 schlum 100m * non-conventional or general array

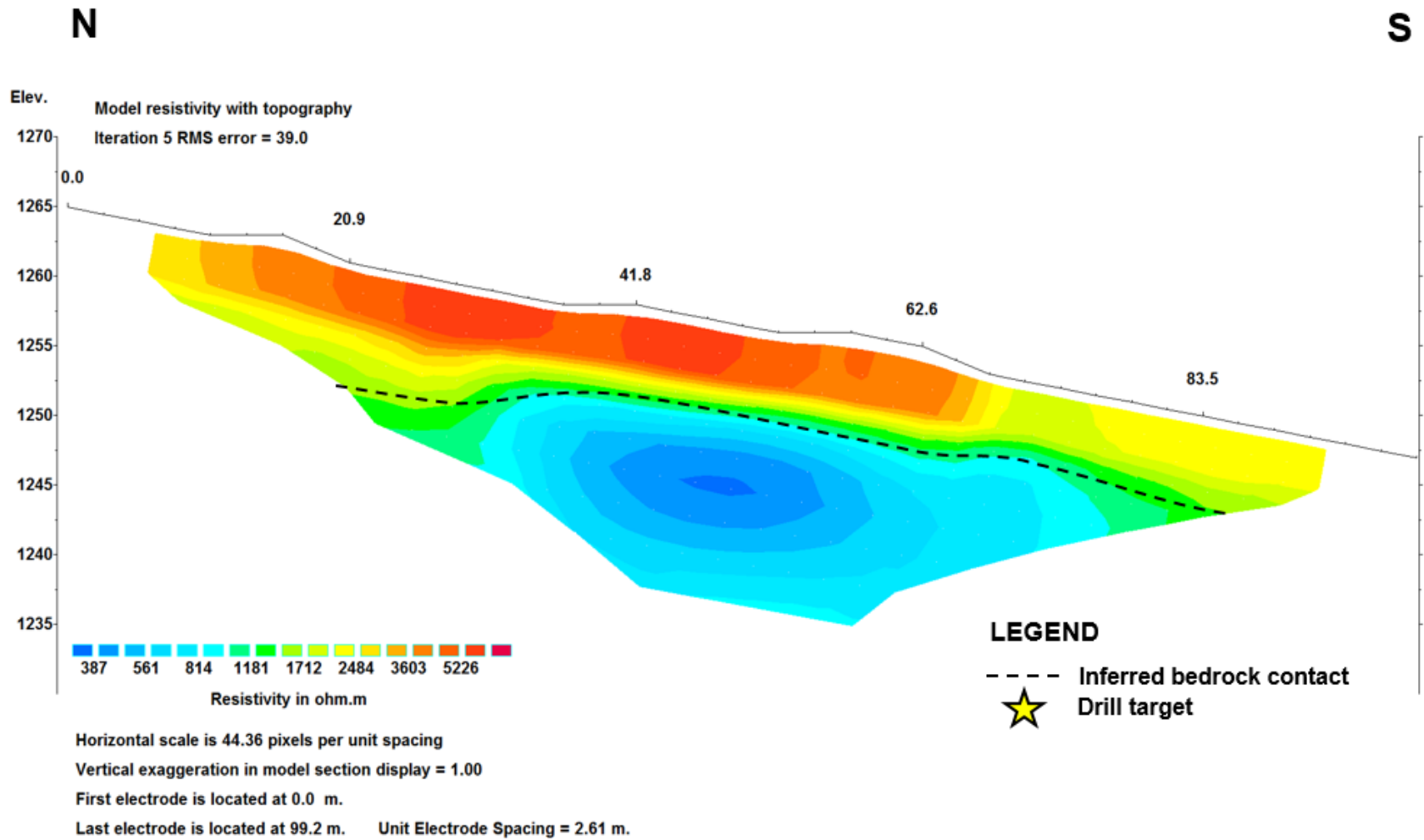


Figure 64 - RES18-IZ11-02 is a short survey done on the right limit of the Upper Duncan valley slope. There were no drill targets identified with this profile.

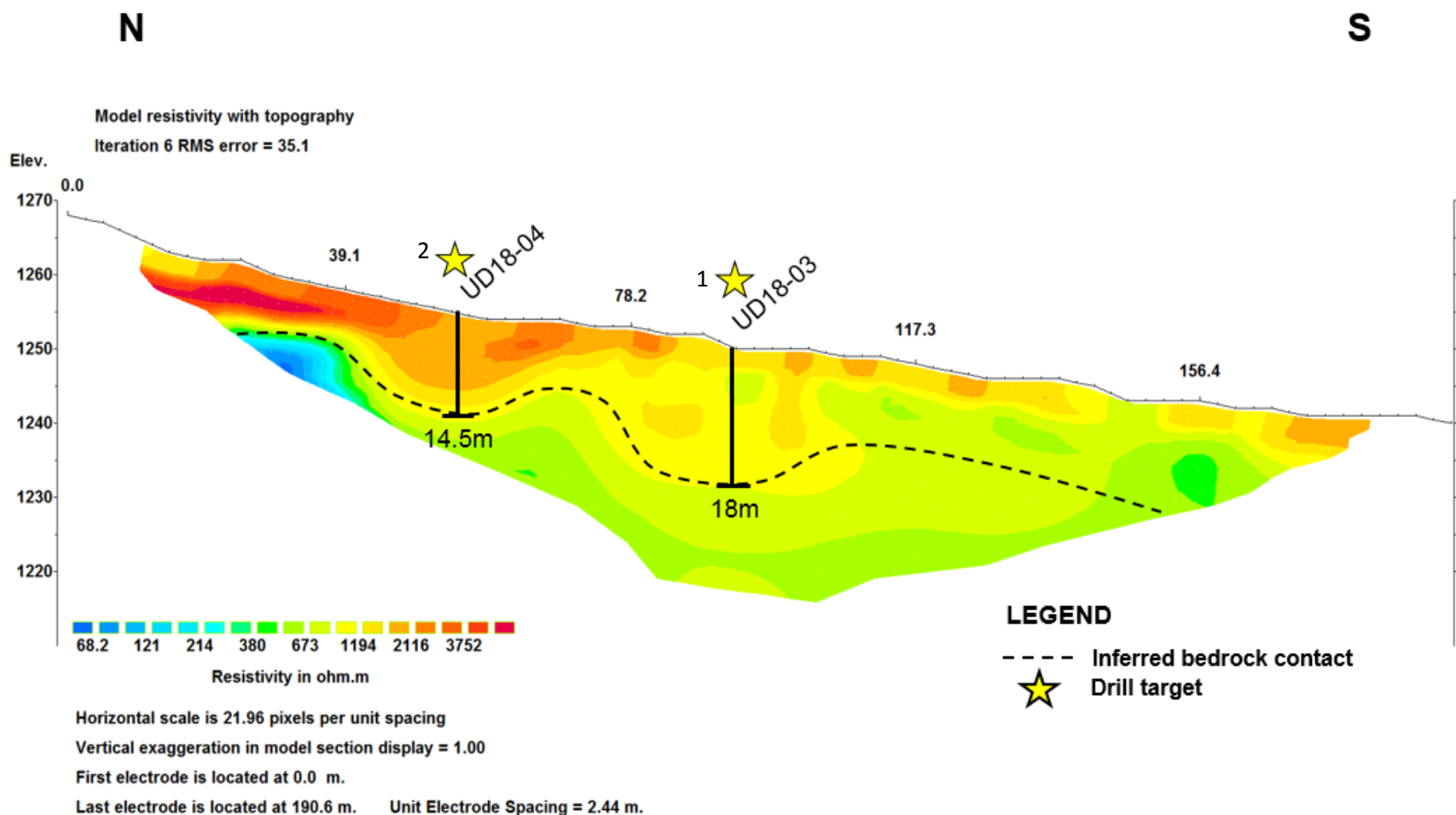


Figure 65 - RES18-IZ12-01 is surveyed along the slope in the valley just downstream of the Izzie test pit dug in 2017. This resistivity profile had two drill targets identified, which were subsequently drilled. Drilling confirmed the interpreted bedrock depths.

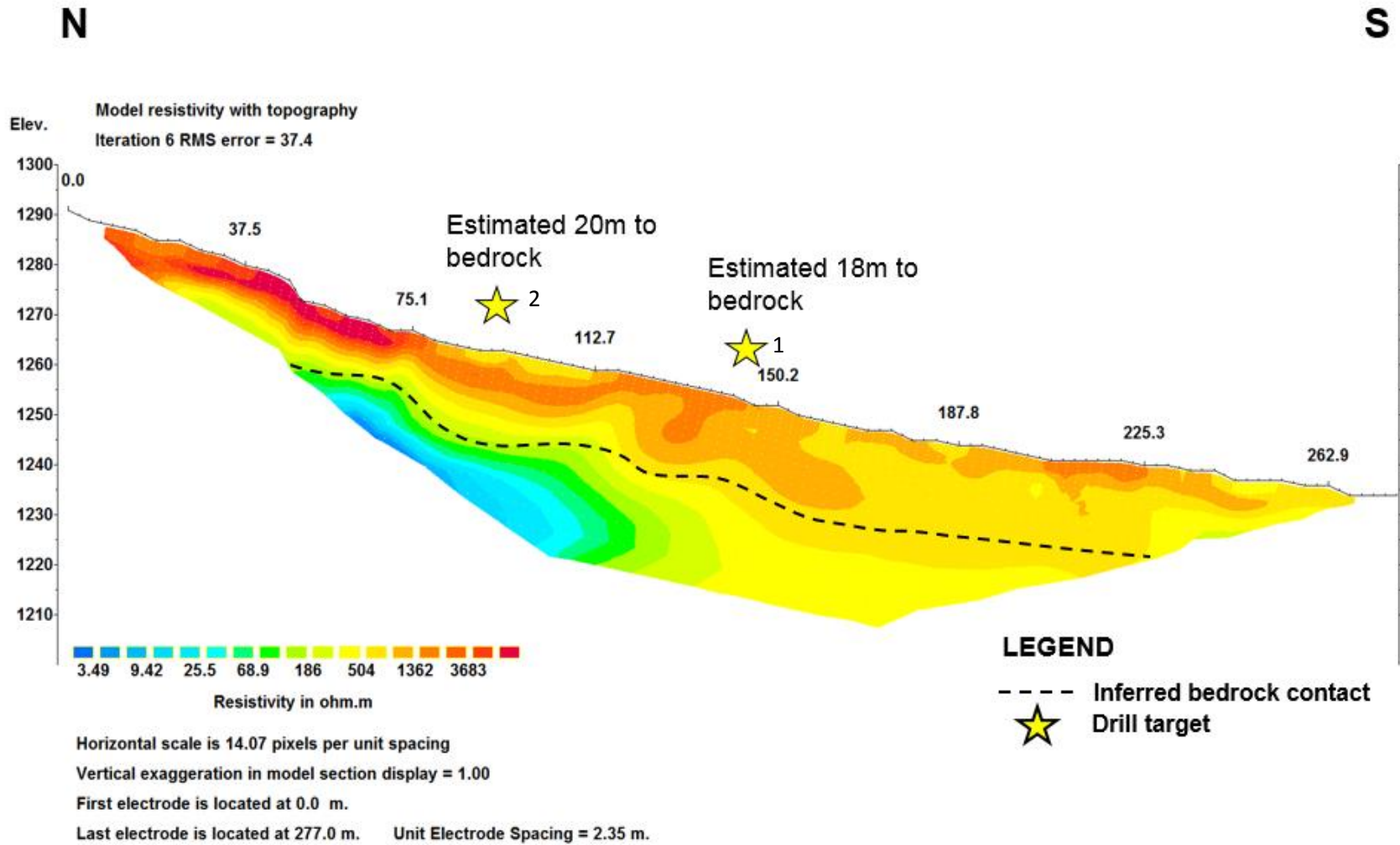


Figure 66 - RES18-IZ12-03 is located directly upstream and parallel to line RES18-IZ12-01. An undulating bedrock contact is interpreted, and two prospective drill targets are identified.

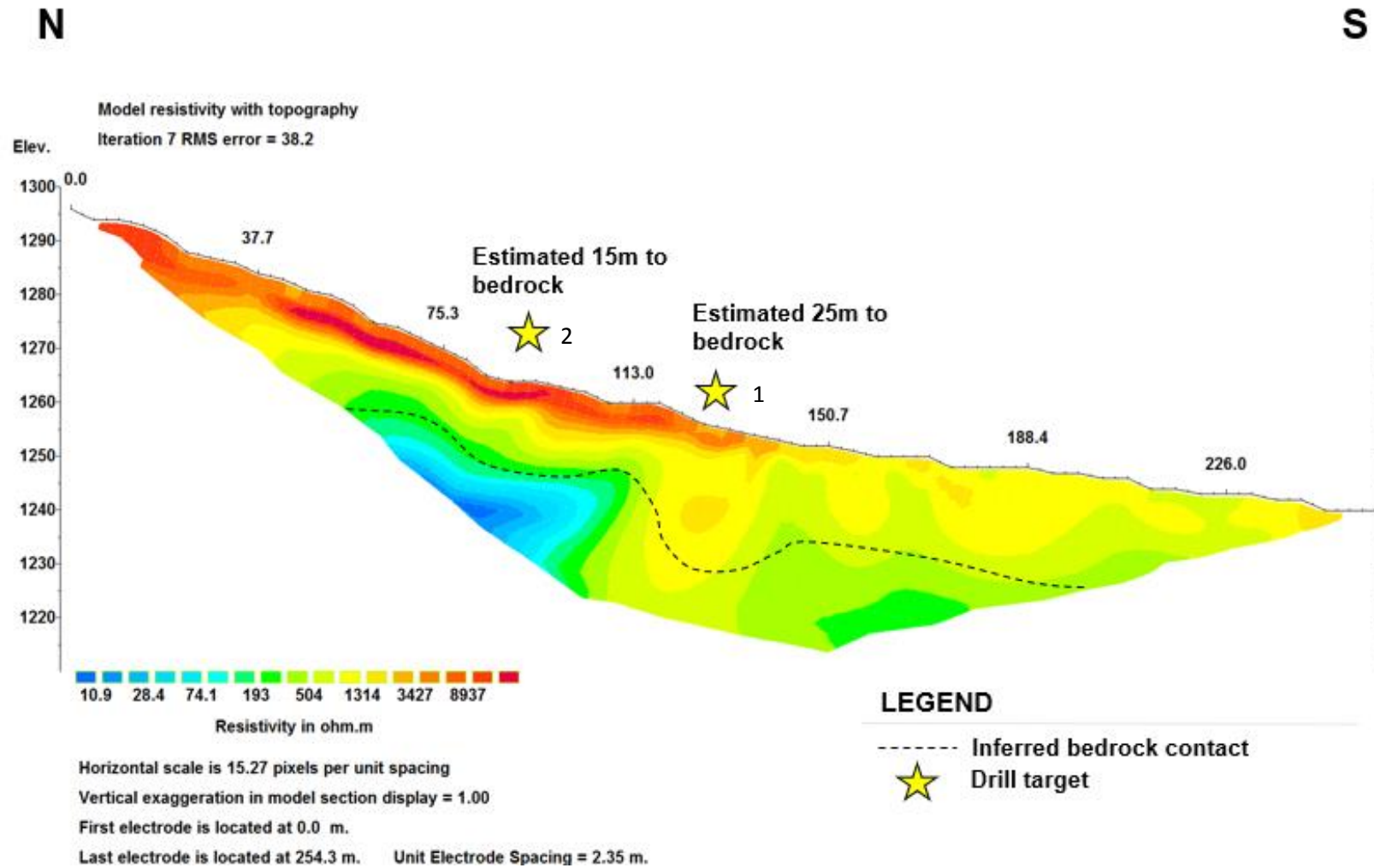


Figure 67 - RES18-IZ13-01 is located directly upstream and parallel to line RES18-IZ12-03. An undulating bedrock contact is interpreted with two drill targets identified.

NW

SE

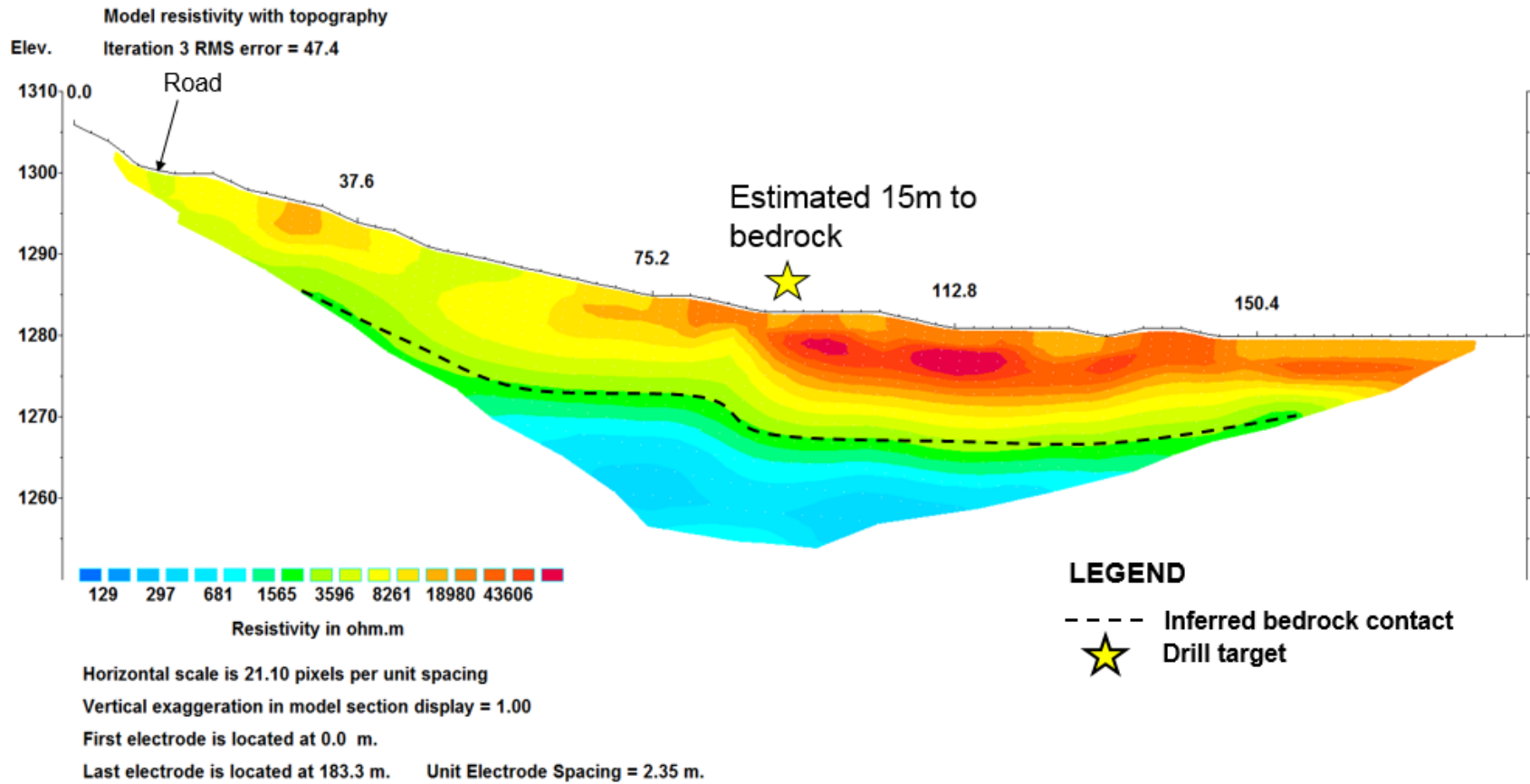


Figure 68 - RES18-LEW3-01 is located on the right limit of Upper Duncan Creek. The ground in this narrow gulch-like valley is very rock, which shows as high resistivity values (red) on the surface. A slightly undulating bedrock contact is interpreted with a drill target identified in the deepest undulation.

NW

SE

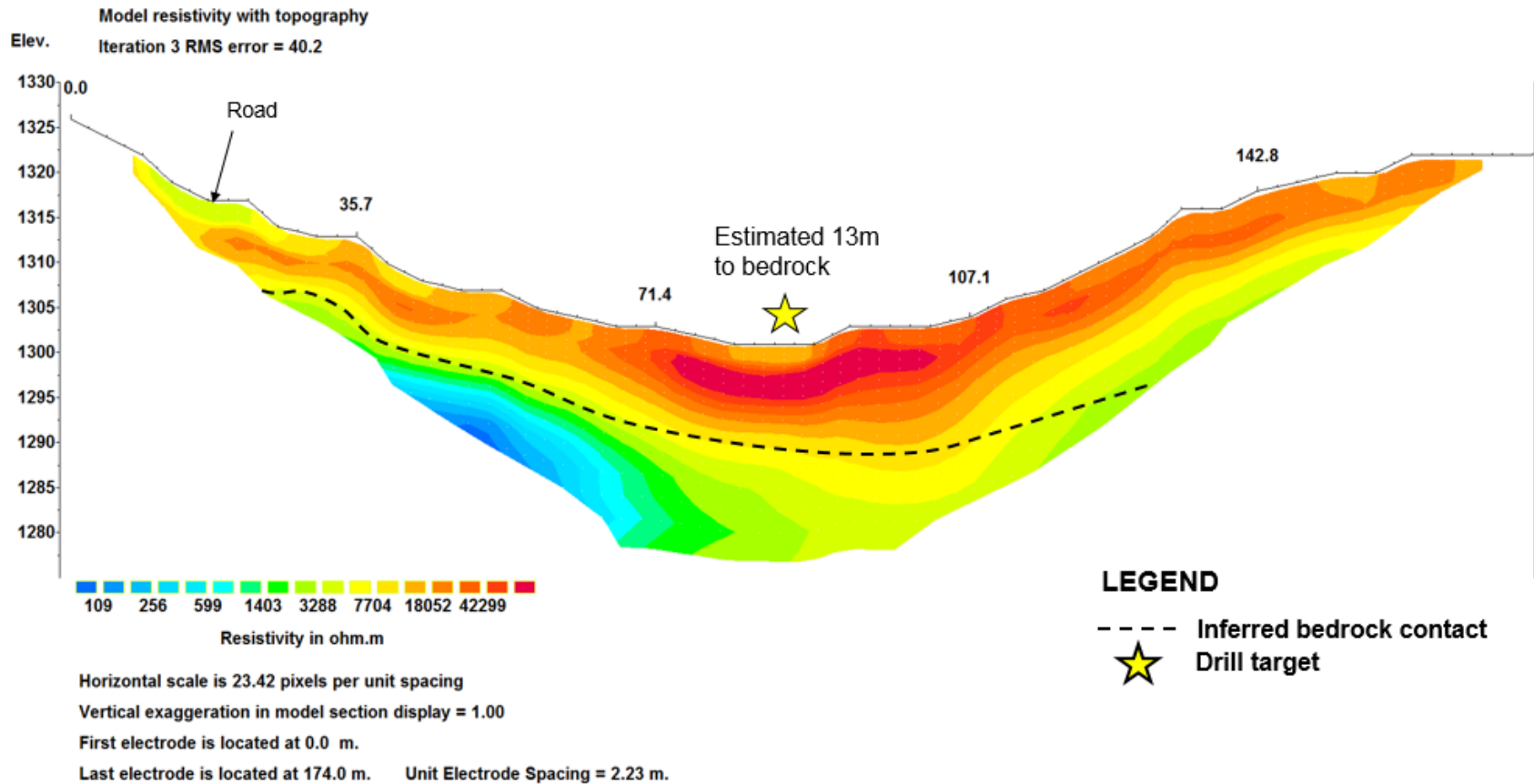


Figure 69 - RES18-LEW2-02 is located on the right limit of Upper Duncan Creek. The ground in this narrow gulch-like valley is very rocky and the resistivity profile displays the rocky ground with the high surface values (red) on the profile. An undulating bedrock contact is interpreted, and a drill target chosen in the valley bottom for further exploration.

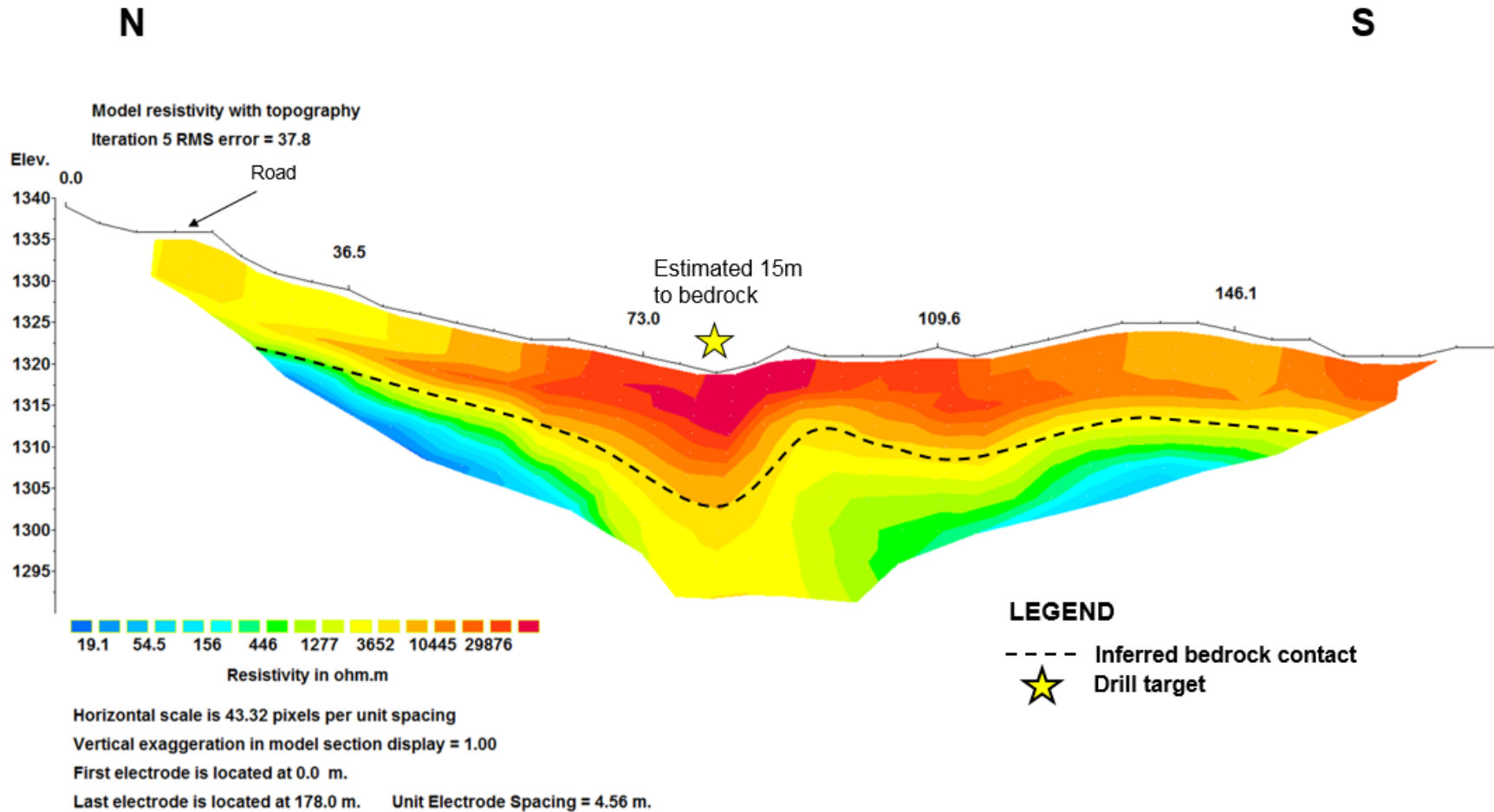


Figure 70 -RES18-LEW2-01 is located on the right limit of Upper Duncan Creek. The ground in this narrow gulch-like valley is very rocky and the resistivity profile displays the rocky ground with the high surface values (red) on the profile. An undulating bedrock contact is interpreted, and a drill target was chosen in the valley bottom.

NW

SE

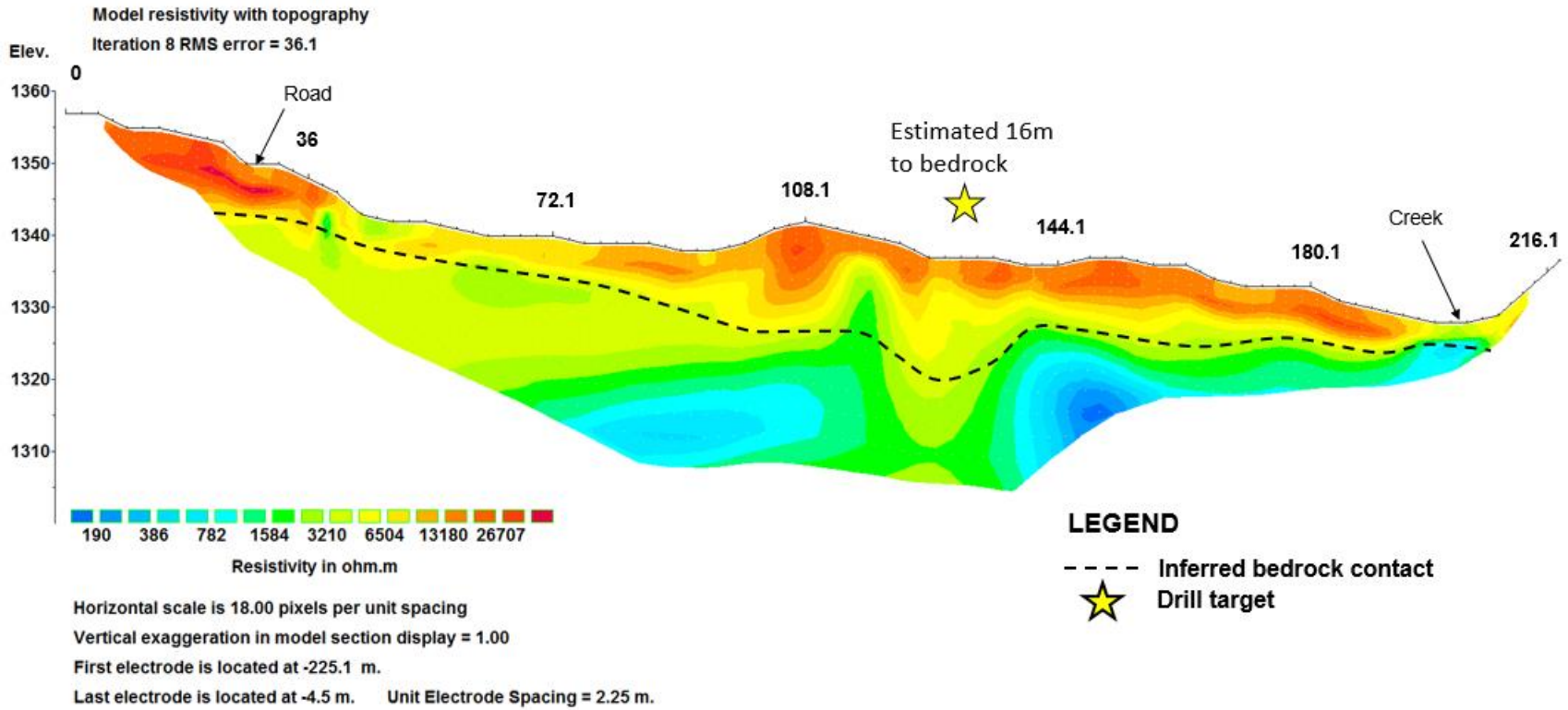


Figure 71 - RES18-JM18-01 is surveyed on the right limit of Upper Duncan Creek, on the James claims tributary. The ground in this tributary is very rocky and the high resistivity (red) displays this. In this profile, the bedrock contact is undulatory. A drill target has been chosen in the deepest interpreted bedrock.

NW

SE

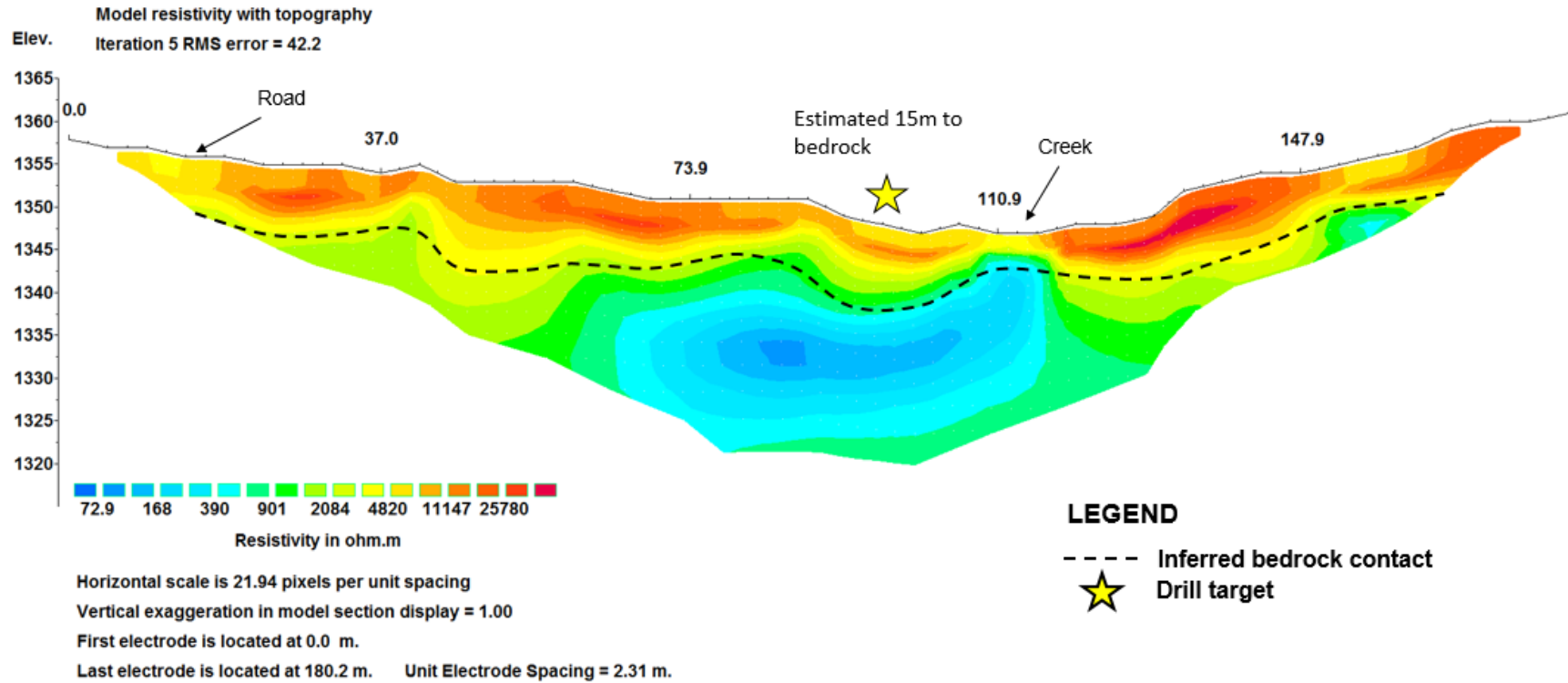


Figure 72 - RES18-JM17-01 is surveyed on the right limit of Upper Duncan Creek, on the James claims tributary. The ground in this tributary is very rocky and the high resistivity (red) displays this. In this profile, the bedrock contact is very undulatory and a drill target is identified near to the current creek.

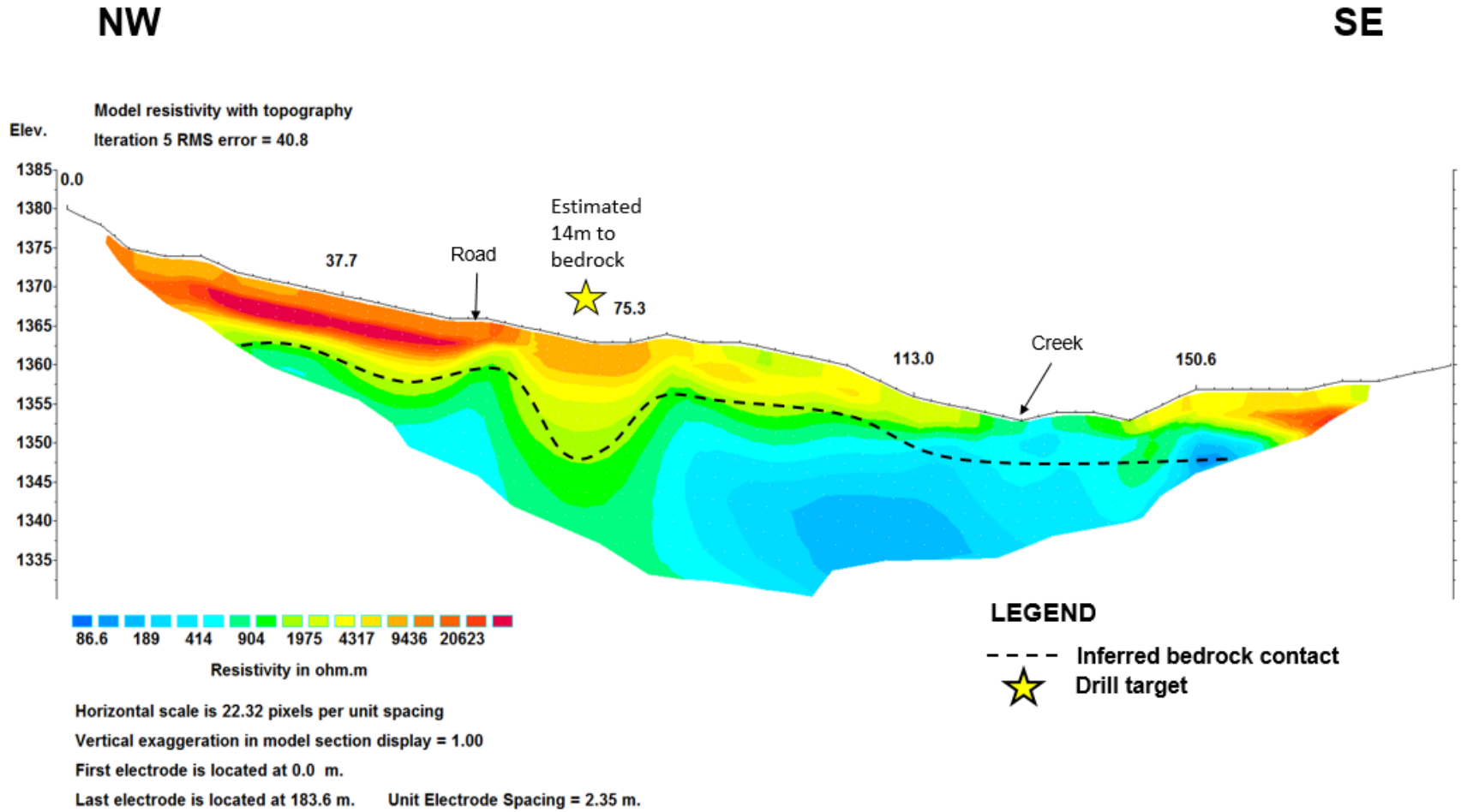


Figure 73 - RES18-JM17-02 is surveyed on the right limit of Upper Duncan Creek on the James claims tributary. The ground in this tributary is very rocky and the high resistivity (red) displays this. In this profile, the interpreted bedrock contact is undulatory. A drill target has been chosen within a possible paleochannel feature.

Conclusions and Recommendations – 2018 Program

The resistivity surveys were successful in identifying contrasting zones of high, moderate and low resistivity, which were attributable in varying degrees to permafrost, alluvial gravel, glacial till and bedrock units. Limited test pitting and drilling from previous years assisted in the bedrock profile interpretations. The resistivity geophysical surveys were also able to define contacts including potential paleochannels that were traceable from one profile to the next, up and down-valley.

On the 2018 resistivity profiles, ten drill targets were identified in the Stuart, Sam, and Jill claims, and 9 drill targets were identified in the James, Lew, and Izzie claims. Four additional targets were identified by a re-examination of the 2017 resistivity profiles.

The geographic coordinates and claim locations of the drill targets are shown in Table 8. The targets are also plotted on Figure 74, as well as on each profile (Figures 51 to 61, and Figures 63 to 73) and on the maps accompanying each target area (Figures 50 and 62).

Figure 74 shows that the drill targets align in a direction which is subparallel to the tributaries and main valley trends. In particular, the targets chosen in the Stuart and Jill tributaries (on the right limit) show an alignment subparallel to the modern creek. These could be indicative of right-limit paleochannels which have a high potential for placer gold.

For further exploration, shallower targets may be evaluated using excavator test-pits, while deeper targets should be drilled using either a RAB (rotary air-blast) drill or R/C (reverse circulation) drill. Materials obtained should be carefully sampled for placer gold content, and bedrock depths. Lithological contacts once confirmed by drilling should be used to recalibrate the 2018 resistivity profile interpretations wherever possible.

Table 8 - 2018 Drill target locations identified from both 2017 and 2018 resistivity surveys.

Target	Latitude	Longitude	UTM_N	UTM_E	Claim	Tributary
RES18-JL2-01	63.864159	-135.259584	7081903	487242	JILLIAN 2	Jill
RES18-JL1-01	63.865035	-135.258612	7082001	487290	JILLIAN 1	Jill
RES18-SM7-01	63.865804	-135.257017	7082086	487369	SAM 9	Jill
RES18-SM7-02	63.866928	-135.255922	7082211	487423	SAM 9	Jill
RES17-SM217-01	63.865161	-135.236288	7082010	488387	SAM 216	Stuart
RES18-SM216-01	63.865632	-135.236274	7082063	488388	SAM 216	Stuart
RES17-SM216-01	63.864048	-135.236119	7081886	488395	SAM 216	Stuart
RES18-SM215-01	63.865869	-135.236107	7082089	488396	SAM 216	Stuart
RES18-ST0-01	63.863168	-135.235959	7081788	488402	STUART 0	Stuart
RES18-SM216-02	63.864476	-135.235499	7081934	488426	SAM 216	Stuart
RES18-ST1-01	63.862175	-135.234494	7081677	488474	STUART 1	Stuart
RES18-IZ12-01-1	63.871959	-135.198501	7082761	490246	IZZIE 12	Izzie
RES18-IZ12-01-2	63.872202	-135.198674	7082789	490238	IZZIE 12	Izzie
RES18-IZ12-03-1	63.872089	-135.197792	7082776	490281	IZZIE 12	Izzie
RES18-IZ12-03-2	63.872544	-135.197825	7082827	490280	IZZIE 12	Izzie
RES18-IZ13-01-1	63.872072	-135.195552	7082774	490391	IZZIE 13	Izzie
RES18-IZ13-01-2	63.872421	-135.195658	7082813	490386	IZZIE 13	Izzie
RES17-IZ14-05	63.871906	-135.194276	7082755	490454	IZZIE 13	Izzie
RES18-LEW3-01	63.87249	-135.191979	7082820	490567	IZZIE 14	Lew bench
RES18-LEW2-02	63.872829	-135.190212	7082857	490654	LEW 2	Lew bench
RES18-LEW2-01	63.873607	-135.188221	7082944	490752	LEW 2	Lew bench
RES18-JM18-01	63.873548	-135.185663	7082937	490878	JAMES 18	James
RES18-JM17-01	63.874015	-135.182848	7082988	491016	JAMES 17	James
RES18-JM17-02	63.875095	-135.181431	7083108	491086	JAMES 17	James
RES17-JM16-01	63.874859	-135.17944	7083082	491184	JAMES 16	James

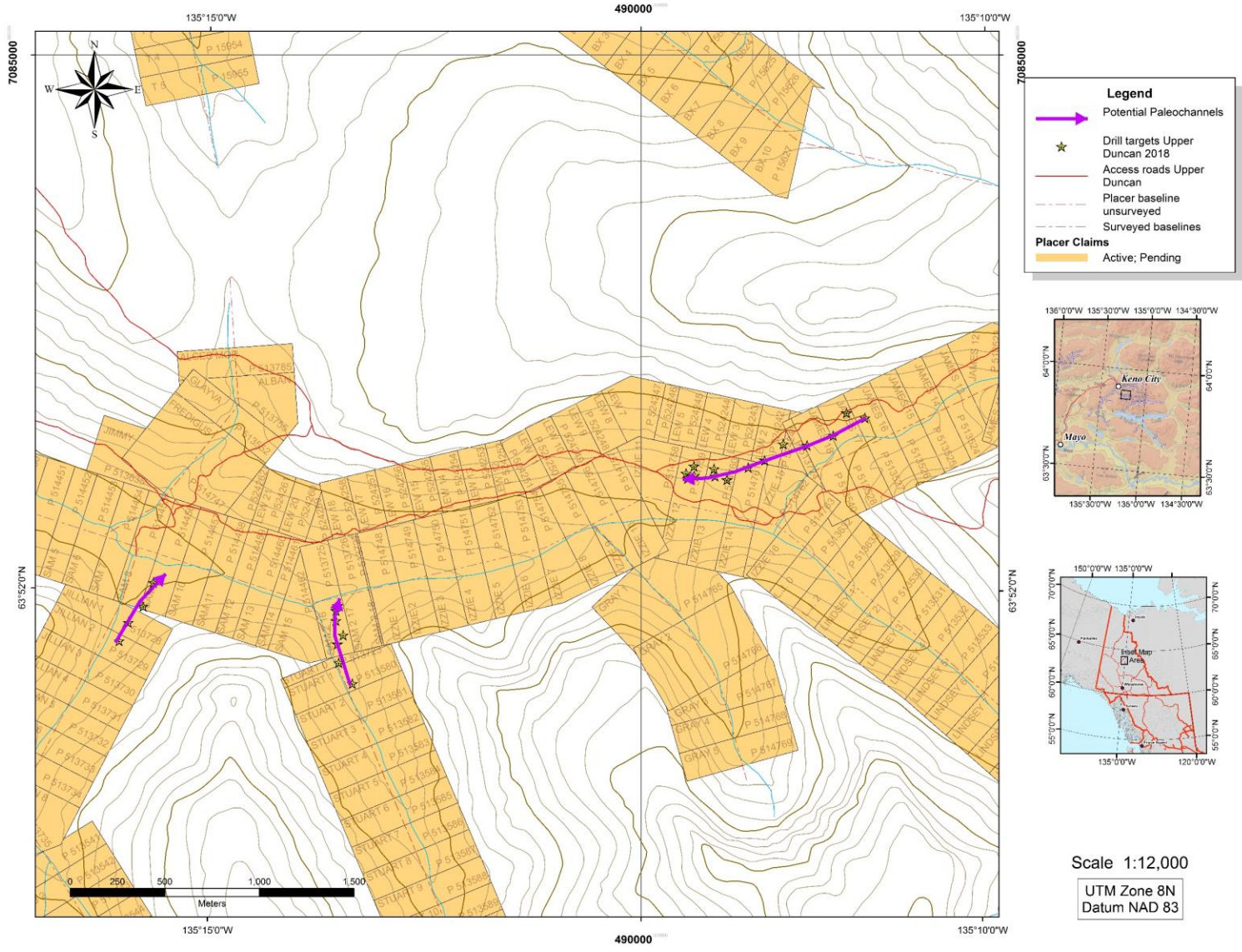


Figure 74 - Claim map of Upper Duncan Creek showing the location of drill targets outlined by geophysics during the 2018 exploration program.

Statement of Costs - 2018 Exploration

Table 9 - Statement of assessment costs, 2018 Exploration Program, Upper Duncan Creek

Expenses Upper Duncan Creek 2018					
Description	Amount	Rate	Subtotal	GST	Total
Geophysics	5.225 km	\$12000/line-km	\$62,700.00	\$3,135.00	\$65,835.00
Total					\$ 65,835.00

*Line-km cost includes field crew of 2 geologists and one field assistant.

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Statements of Qualifications

William LeBarge

I, William LeBarge, of 13 Tigereye Crescent, Whitehorse, Yukon, Canada, DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist with current address at 13 Tigereye Crescent, Whitehorse, Yukon, Canada, Y1A 6G6.
2. I am a graduate of the University of Alberta (B.Sc., 1985, Geology) and the University of Calgary (M.Sc., 1993, Geology – Sedimentology)
3. I am a Practicing Member in Good Standing (#37932) of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).
4. I have practiced my Profession as a Geologist continuously since 1985.

Dated this 18th day of December 2018

William LeBarge, P. Geo.



Selena Magel

I, Selena Magel of 2590 Golf View Crescent, Blind Bay, British Columbia, Canada, DO HEREBY CERTIFY THAT:

1. I am a Geologist in Training, registered with APEGA with current address at 2590 Golf View Crescent, Blind Bay, British Columbia, Canada, V0E 1H2
2. I am a graduate of the University of Calgary (B.Sc., 2017, Geology).
3. I have practiced Geology since May 2017.
4. I have conducted and interpreted over 60 km of resistivity surveys since the summer of 2017.

Dated this 18th day of December 2018

Selena Magel, G. I. T.



Appendix 1 – Placer Claim and Prospecting Lease Status, Earth & Iron Inc. and affiliates.

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 514765	Active	Gray 1	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514766	Active	Gray 2	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514767	Active	Gray 3	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514768	Active	Gray 4	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514769	Active	Gray 5	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514770	Active	Gray 6	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514771	Active	Gray 7	Earth & Iron Inc. - 100%	4/22/2016	4/22/2016	11/30/2019	GM00278
P 514748	Active	Izzie 1	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514749	Active	Izzie 2	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514750	Active	Izzie 3	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514751	Active	Izzie 4	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514752	Active	Izzie 5	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514753	Active	Izzie 6	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514754	Active	Izzie 7	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514755	Active	Izzie 8	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514756	Active	Izzie 9	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514757	Active	Izzie 10	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514758	Active	Izzie 11	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514759	Active	Izzie 12	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514760	Active	Izzie 13	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514761	Active	Izzie 14	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514762	Active	Izzie 15	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 514763	Active	Izzie 16	Earth & Iron Inc. - 100%	4/4/2016	4/5/2016	11/30/2019	GM00278
P 513512	Active	James 1	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513513	Active	James 2	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513514	Active	James 3	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513515	Active	James 4	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513516	Active	James 5	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513517	Active	James 6	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513518	Active	James 7	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513519	Active	James 8	Earth & Iron Inc. - 100%	7/10/2016	7/13/2016	11/30/2019	GM00278
P 513520	Active	James 9	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513521	Active	James 10	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513522	Active	James 11	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513523	Active	James 12	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513524	Active	James 13	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513525	Active	James 14	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513526	Active	James 15	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513527	Active	James 16	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513528	Active	James 17	Earth & Iron Inc. - 100%	7/11/2016	7/13/2016	11/30/2019	GM00278
P 513540	Active	James 18	Earth & Iron Inc. - 100%	7/13/2016	7/15/2016	11/30/2019	GM00278
P 513724	Pending	James 19	Earth & Iron Inc. - 100%	9/11/2016	9/12/2016	11/30/2019	GM00278
P 513728	Active	Jillian 1	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513729	Active	Jillian 2	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513730	Active	Jillian 3	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513731	Active	Jillian 4	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513732	Active	Jillian 5	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513733	Active	Jillian 6	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513734	Active	Jillian 7	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513735	Active	Jillian 8	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513736	Active	Jillian 9	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513737	Active	Jillian 10	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513738	Active	Jillian 11	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513739	Active	Jillian 12	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513740	Active	Jillian 13	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513741	Active	Jillian 14	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513742	Active	Jillian 15	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513743	Active	Jillian 16	Earth & Iron Inc. - 100%	9/14/2016	9/15/2016	11/30/2019	GM00278
P 513635	Pending	Jimmy	Earth & Iron Inc. - 100%	8/11/2016	8/22/2016	11/30/2019	GM00278
P 513541	Active	JLSJ 1	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513542	Active	JLSJ 2	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513543	Active	JLSJ 3	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513544	Active	JLSJ 4	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513545	Active	JLSJ 5	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513546	Active	JLSJ 6	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513547	Active	JLSJ 7	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513548	Active	JLSJ 8	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513549	Active	JLSJ 9	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513550	Active	JLSJ 10	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513551	Active	JLSJ 11	Earth & Iron Inc. - 100%	7/14/2016	7/15/2016	11/30/2019	GM00278
P 513632	Active	L.J. 0	Earth & Iron Inc. - 100%	8/5/2016	8/5/2016	11/30/2019	GM00278
P 513633	Active	L.J. 2	Earth & Iron Inc. - 100%	8/5/2016	8/5/2016	11/30/2019	GM00278
P 524241	Active	Lew 1	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524242	Active	Lew 2	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524243	Active	Lew 3	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524244	Active	Lew 4	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524245	Active	Lew 5	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524246	Active	Lew 6	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524247	Active	Lew 7	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524248	Active	Lew 8	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524249	Active	Lew 9	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524250	Active	Lew 10	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524251	Active	Lew 11	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524252	Active	Lew 12	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524253	Active	Lew 13	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524254	Active	Lew 14	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524255	Active	Lew 15	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524256	Active	Lew 16	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524257	Active	Lew 17	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524258	Active	Lew 18	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524259	Active	Lew 19	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524260	Active	Lew 20	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524261	Active	Lew 21	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 524262	Active	Lew 22	Earth & Iron Inc. - 100%	9/6/2017	9/8/2017	11/30/2019	GM00278
P 513786	Pending	Lindsay 12	Earth & Iron Inc. - 100%	12/5/2016	12/6/2016	11/30/2019	GM00278
P 513787	Pending	Lindsay 13	Earth & Iron Inc. - 100%	12/5/2016	12/6/2016	11/30/2019	GM00278
P 513529	Active	Lindsey 1	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513530	Active	Lindsey 2	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513531	Active	Lindsey 3	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513532	Active	Lindsey 4	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513533	Active	Lindsey 5	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513534	Active	Lindsey 6	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513535	Active	Lindsey 7	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513536	Active	Lindsey 8	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513537	Active	Lindsey 9	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513538	Active	Lindsey 10	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 513539	Active	Lindsey 11	Earth & Iron Inc. - 100%	7/13/2016	7/13/2016	11/30/2019	GM00278
P 514448	Active	Sam 1	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514449	Active	Sam 2	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514450	Active	Sam 3	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 514451	Active	Sam 4	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514452	Active	Sam 5	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514453	Active	Sam 6	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514454	Active	Sam 7	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514455	Active	Sam 8	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514456	Active	Sam 9	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514457	Active	Sam 10	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514458	Active	Sam 11	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514459	Active	Sam 12	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514460	Active	Sam 13	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514461	Active	Sam 14	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 514462	Active	Sam 15	Earth & Iron Inc. - 100%	7/10/2015	7/13/2015	11/30/2019	GM00278
P 513725	Active	Sam 2 16	Earth & Iron Inc. - 100%	8/28/2016	9/12/2016	11/30/2019	GM00278
P 513726	Active	Sam 2 17	Earth & Iron Inc. - 100%	8/28/2016	9/12/2016	11/30/2019	GM00278
P 513727	Active	Sam 2 18	Earth & Iron Inc. - 100%	8/28/2016	9/12/2016	11/30/2019	GM00278
P 513580	Active	Stuart 1	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513581	Active	Stuart 2	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513582	Active	Stuart 3	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513583	Active	Stuart 4	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513584	Active	Stuart 5	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513585	Active	Stuart 6	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513586	Active	Stuart 7	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513587	Active	Stuart 8	Earth & Iron Inc. - 100%	7/12/2016	7/22/2016	11/30/2019	GM00278
P 513588	Active	Stuart 9	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513589	Active	Stuart 10	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513590	Active	Stuart 11	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513591	Active	Stuart 12	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513592	Active	Stuart 13	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513593	Active	Stuart 14	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513594	Active	Stuart 15	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513595	Active	Stuart 16	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513596	Active	Stuart 17	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513597	Active	Stuart 18	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513598	Active	Stuart 19	Earth & Iron Inc. - 100%	7/14/2016	7/22/2016	11/30/2019	GM00278
P 513723	Pending	Stuart 0 0	Earth & Iron Inc. - 100%	9/11/2016	9/12/2016	11/30/2019	GM00278
P 513842	Active	Ayla 1	Stuart Gray - 100%	7/6/2017	7/10/2017	7/10/2019	GM00289
P 513843	Active	Ayla 2	Stuart Gray - 100%	7/6/2017	7/10/2017	7/10/2019	GM00289
P 513844	Active	Ayla 3	Stuart Gray - 100%	7/6/2017	7/10/2017	7/10/2019	GM00289
P 513845	Active	Ayla 4	Stuart Gray - 100%	7/6/2017	7/10/2017	7/10/2019	GM00289
P 513846	Active	Ayla 5	Stuart Gray - 100%	7/6/2017	7/10/2017	7/10/2019	GM00289
P 513847	Active	Ayla 6	Stuart Gray - 100%	7/6/2017	7/10/2017	7/10/2019	GM00289
P 513848	Active	Ayla 7	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513849	Active	Ayla 8	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513850	Active	Ayla 9	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513851	Active	Ayla 10	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513852	Active	Ayla 11	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513853	Active	Ayla 12	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513854	Active	Ayla 13	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513855	Active	Ayla 14	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513856	Active	Ayla 15	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513857	Active	Ayla 16	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513858	Active	Ayla 17	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513859	Active	Ayla 18	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513860	Active	Ayla 19	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513861	Active	Ayla 20	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513862	Active	Ayla 21	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513863	Active	Ayla 22	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513864	Active	Ayla 23	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513865	Active	Ayla 24	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513866	Active	Ayla 25	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513867	Active	Ayla 26	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513868	Active	Ayla 27	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513869	Active	Ayla 28	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513870	Active	Ayla 29	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513871	Active	Ayla 30	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513872	Active	Ayla 31	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513873	Active	Ayla 32	Stuart Gray - 100%	7/9/2017	7/10/2017	7/10/2019	GM00289
P 513874	Active	Ayla 33	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513875	Active	Ayla 34	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513876	Active	Ayla 35	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513877	Active	Ayla 36	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513878	Active	Ayla 37	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513879	Active	Ayla 38	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513880	Active	Ayla 39	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513881	Active	Ayla 40	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513882	Active	Ayla 41	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513883	Active	Ayla 42	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513884	Active	Ayla 43	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513885	Active	Ayla 44	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513886	Active	Ayla 45	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513887	Active	Ayla 46	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513888	Active	Ayla 47	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513889	Active	Ayla 48	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513890	Active	Ayla 49	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513891	Active	Ayla 50	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513892	Active	Ayla 51	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 513893	Active	Ayla 52	Stuart Gray - 100%	7/8/2017	7/10/2017	7/10/2019	GM00289
P 524106	Active	Vander 1	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524107	Active	Vander 2	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524108	Active	Vander 3	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524109	Active	Vander 4	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524110	Active	Vander 5	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524111	Active	Vander 6	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524112	Active	Vander 7	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524113	Active	Vander 8	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524114	Active	Vander 9	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524115	Active	Vander 10	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524116	Active	Vander 11	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524117	Active	Vander 12	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524118	Active	Vander 13	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524119	Active	Vander 14	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524120	Active	Vander 15	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524121	Active	Vander 16	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524122	Active	Vander 17	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524123	Active	Vander 18	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524124	Active	Vander 19	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524125	Active	Vander 20	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524126	Active	Vander 21	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524127	Active	Vander 22	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524128	Active	Vander 23	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524129	Active	Vander 24	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524130	Active	Vander 25	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524131	Active	Vander 26	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524132	Active	Vander 27	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524133	Active	Vander 28	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524134	Active	Vander 29	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524135	Active	Vander 30	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524136	Active	Vander 31	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524137	Active	Vander 32	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524138	Active	Vander 33	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524139	Active	Vander 34	Earth & Iron Mines Inc. - 100%	8/12/2017	8/18/2017	8/18/2021	GM00290
P 524054	Active	Auliv	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524055	Active	Auliv 1	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524056	Active	Auliv 2	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524057	Active	Auliv 3	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524058	Active	Auliv 4	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524059	Active	Auliv 5	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524060	Active	Auliv 6	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524061	Active	Auliv 7	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524062	Active	Auliv 8	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524063	Active	Auliv 9	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524064	Active	Auliv 10	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524065	Active	Auliv 11	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524066	Active	Auliv 12	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524067	Active	Auliv 13	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524068	Active	Auliv 14	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524069	Active	Auliv 15	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524070	Active	Auliv 16	Western Heavy Haul Inc. - 100%	6/25/2017	7/10/2017	7/10/2021	GM00291
P 524071	Active	Auliv 17	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524072	Active	Auliv 18	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524073	Active	Auliv 19	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524074	Active	Auliv 20	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524075	Active	Auliv 21	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524076	Active	Auliv 22	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524077	Active	Auliv 23	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524078	Active	Auliv 24	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524079	Active	Auliv 25	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524080	Active	Auliv 26	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524081	Active	Auliv 27	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524082	Active	Auliv 28	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524083	Active	Auliv 29	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524084	Active	Auliv 30	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524085	Active	Auliv 31	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524086	Active	Auliv 32	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524087	Active	Auliv 33	Western Heavy Haul Inc. - 100%	6/26/2017	7/10/2017	7/10/2021	GM00291
P 524010	Pending	Dean 1	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524011	Pending	Dean 2	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524012	Pending	Dean 3	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524013	Pending	Dean 4	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524014	Pending	Dean 5	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524015	Pending	Dean 6	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524016	Pending	Dean 7	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524017	Pending	Dean 8	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524018	Pending	Dean 9	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524019	Pending	Dean 10	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524020	Pending	Dean 11	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524021	Pending	Dean 12	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524022	Pending	Dean 13	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524023	Pending	Dean 14	Dean Gray Enterprises Ltd. - 100%	7/13/2017	7/24/2017	11/1/2020	
P 524024	Pending	Dean 15	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524025	Pending	Dean 16	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524026	Pending	Dean 17	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524027	Pending	Dean 18	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524028	Pending	Dean 19	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524029	Pending	Dean 20	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524030	Pending	Dean 21	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524031	Pending	Dean 22	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524032	Pending	Dean 23	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524033	Pending	Dean 24	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524034	Pending	Dean 25	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524035	Pending	Dean 26	Dean Gray Enterprises Ltd. - 100%	7/14/2017	7/24/2017	11/1/2020	
P 524187	Active	Gold 1	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524188	Active	Gold 2	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524189	Active	Gold 3	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524190	Active	Gold 4	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524191	Active	Gold 5	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524192	Active	Gold 6	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524193	Active	Gold 7	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524194	Active	Gold 8	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524195	Active	Gold 9	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524196	Active	Gold 10	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524197	Active	Gold 11	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524198	Active	Gold 12	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524199	Active	Gold 13	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524200	Active	Gold 14	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524201	Active	Gold 15	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524202	Active	Gold 16	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524203	Active	Gold 17	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524204	Active	Gold 18	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524205	Active	Gold 19	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524206	Active	Gold 20	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524207	Active	Gold 21	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524208	Active	Gold 22	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524209	Active	Gold 23	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524210	Active	Gold 24	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524211	Active	Gold 25	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524212	Active	Gold 26	Earth & Iron Inc. - 100%	8/16/2017	8/30/2017	11/1/2020	
P 524213	Active	Gold 27	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524214	Active	Gold 28	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524215	Active	Gold 29	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524216	Active	Gold 30	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524217	Active	Gold 31	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524218	Active	Gold 32	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524219	Active	Gold 33	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524220	Active	Gold 34	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524221	Active	Gold 35	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524222	Active	Gold 36	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524223	Active	Gold 37	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524224	Active	Gold 38	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524225	Active	Gold 39	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524226	Active	Gold 40	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524227	Active	Gold 41	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524228	Active	Gold 42	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524229	Active	Gold 43	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524230	Active	Gold 44	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524231	Active	Gold 45	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524232	Active	Gold 46	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524233	Active	Gold 47	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524234	Active	Gold 48	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524235	Active	Gold 49	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524236	Active	Gold 50	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524237	Active	Gold 51	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524238	Active	Gold 52	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524239	Active	Gold 53	Earth & Iron Inc. - 100%	8/17/2017	8/30/2017	11/1/2020	
P 524993	Pending	Susan 1	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524994	Pending	Susan 2	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524995	Pending	Susan 3	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524996	Pending	Susan 4	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524997	Pending	Susan 5	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524998	Pending	Susan 6	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524999	Pending	Susan 7	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 525000	Pending	Susan 8	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 525001	Pending	Susan 9	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 525002	Pending	Susan 10	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 525003	Pending	Susan 11	Earth & Iron Inc. - 100%	8/31/2018	9/14/2018	9/14/2019	
P 524710	Pending	Alex 1	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524711	Pending	Alex 2	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524712	Pending	Alex 3	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524713	Pending	Alex 4	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524714	Pending	Alex 5	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524715	Pending	Alex 6	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524716	Pending	Alex 7	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524717	Pending	Alex 8	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524718	Pending	Alex 9	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524719	Pending	Alex 10	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524720	Pending	Alex 11	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524721	Pending	Alex 12	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524722	Pending	Alex 13	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524723	Pending	Alex 14	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524724	Pending	Alex 15	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524725	Pending	Alex 16	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524726	Pending	Alex 17	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524727	Pending	Alex 18	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524728	Pending	Alex 19	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524729	Pending	Alex 20	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524730	Pending	Alex 21	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524731	Pending	Alex 22	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524732	Pending	Alex 23	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524733	Pending	Alex 24	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524734	Pending	Alex 25	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524735	Pending	Alex 26	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524736	Pending	Alex 27	Earth & Iron Mines Inc. - 100%	7/13/2018	7/17/2018	7/17/2019	
P 524684	Pending	Ash 1	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524685	Pending	Ash 2	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524686	Pending	Ash 3	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524687	Pending	Ash 4	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524688	Pending	Ash 5	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524689	Pending	Ash 6	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524690	Pending	Ash 7	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524691	Pending	Ash 8	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524692	Pending	Ash 9	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524693	Pending	Ash 10	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524694	Pending	Ash 11	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524695	Pending	Ash 12	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524696	Pending	Ash 13	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524697	Pending	Ash 14	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524698	Pending	Ash 15	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524699	Pending	Ash 16	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524700	Pending	Ash 17	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524701	Pending	Ash 18	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524702	Pending	Ash 19	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524703	Pending	Ash 20	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524704	Pending	Ash 21	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524705	Pending	Ash 22	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524706	Pending	Ash 23	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524707	Pending	Ash 24	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524708	Pending	Ash 25	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 524709	Pending	Ash 26	Earth & Iron Mines Inc. - 100%	7/9/2018	7/17/2018	7/17/2019	
P 513954	Pending	CoDisc 1	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513955	Pending	CoDisc 2	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 525004	Pending	Discovery	Earth & Iron Mines Inc. - 100%	9/1/2018	9/14/2018	9/14/2019	
P 513956	Active	Earth 1	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513957	Active	Earth 2	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513958	Active	Earth 3	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513959	Active	Earth 4	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513960	Active	Earth 5	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513961	Active	Earth 6	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513962	Active	Earth 7	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513963	Active	Earth 8	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513964	Active	Earth 9	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513965	Active	Earth 10	Earth & Iron Mines Inc. - 100%	7/22/2017	7/24/2017	11/1/2020	
P 513776	Pending	Key 1	Earth & Iron Mines Inc. - 100%	11/1/2016	11/4/2016	11/30/2020	
P 513777	Pending	Key 2	Earth & Iron Mines Inc. - 100%	11/1/2016	11/4/2016	11/30/2020	
P 513778	Pending	Key 3	Earth & Iron Mines Inc. - 100%	11/1/2016	11/4/2016	11/30/2020	
P 513779	Pending	Key 4	Earth & Iron Mines Inc. - 100%	11/1/2016	11/4/2016	11/30/2020	
P 513780	Pending	Key 5	Earth & Iron Mines Inc. - 100%	11/1/2016	11/4/2016	11/30/2020	
P 513781	Pending	Key 6	Earth & Iron Mines Inc. - 100%	11/1/2016	11/4/2016	11/30/2020	
P 513966	Active	Key Left 1	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513967	Active	Key Left 2	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513968	Active	Key Left 3	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513969	Active	Key Left 4	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513970	Active	Key Left 5	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513971	Active	Key Left 6	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513972	Active	Key Left 7	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513973	Active	Key Left 8	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513974	Active	Key Left 9	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513975	Active	Key Left 10	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513976	Active	Key Left 11	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513977	Active	Key Left 12	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513978	Active	Key Left 13	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513979	Active	Key Left 14	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513980	Active	Key Left 15	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513981	Active	Key Left 16	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513982	Active	Key Left 17	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513983	Active	Key Left 18	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513984	Active	Key Left 19	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 513985	Active	Key Left 20	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513986	Active	Key Left 21	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513987	Active	Key Left 22	Earth & Iron Mines Inc. - 100%	7/20/2017	7/24/2017	11/30/2020	
P 513988	Pending	Key Right 1	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513989	Pending	Key Right 2	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513990	Pending	Key Right 3	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513991	Pending	Key Right 4	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513992	Pending	Key Right 5	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513993	Pending	Key Right 6	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513994	Pending	Key Right 7	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513995	Pending	Key Right 8	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513996	Pending	Key Right 9	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513997	Pending	Key Right 10	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513998	Pending	Key Right 11	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 513999	Pending	Key Right 12	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 514000	Pending	Key Right 13	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524001	Pending	Key Right 14	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524002	Pending	Key Right 15	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524003	Pending	Key Right 16	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524004	Pending	Key Right 17	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524005	Pending	Key Right 18	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524006	Pending	Key Right 19	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524007	Pending	Key Right 20	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524008	Pending	Key Right 21	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 524009	Pending	Key Right 22	Earth & Iron Mines Inc. - 100%	7/21/2017	7/24/2017	11/30/2020	
P 514863	Active	Keystone 1	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514864	Active	Keystone 2	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514865	Active	Keystone 3	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 514866	Active	Keystone 4	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514867	Active	Keystone 5	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514868	Active	Keystone 6	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514869	Active	Keystone 7	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514870	Active	Keystone 8	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514871	Active	Keystone 9	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514872	Active	Keystone 10	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514873	Active	Keystone 11	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514874	Active	Keystone 12	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514875	Active	Keystone 13	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514876	Active	Keystone 14	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514877	Active	Keystone 15	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514878	Active	Keystone 16	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514879	Active	Keystone 17	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514880	Active	Keystone 18	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514881	Active	Keystone 19	Earth & Iron Mines Inc. - 100%	6/8/2016	6/10/2016	11/30/2020	
P 514882	Active	Keystone 20	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514883	Active	Keystone 21	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514884	Active	Keystone 22	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514885	Active	Keystone 23	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514886	Active	Keystone 24	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514887	Active	Keystone 25	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514888	Active	Keystone 26	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514889	Active	Keystone 27	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514890	Active	Keystone 28	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514891	Active	Keystone 29	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514892	Active	Keystone 30	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 514893	Active	Keystone 31	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 514894	Active	Keystone 32	Earth & Iron Mines Inc. - 100%	6/9/2016	6/10/2016	11/30/2020	
P 524088	Active	T 1	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524089	Active	T 2	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524090	Active	T 3	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524091	Active	T 4	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524092	Active	T 5	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524093	Active	T 6	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524094	Active	T 7	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524095	Active	T 8	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524096	Active	T 9	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524097	Active	T 10	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524098	Active	T 11	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524099	Active	T 12	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524100	Active	T 13	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524101	Active	T 14	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524102	Active	T 15	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524103	Active	T 16	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524104	Active	T 17	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524105	Active	T 18	Earth & Iron Mines Inc. - 100%	7/14/2017	7/18/2017	11/30/2020	
P 524264	Active	Roady 1	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524265	Active	Roady 2	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524266	Active	Roady 3	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524267	Active	Roady 4	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524268	Active	Roady 5	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524269	Active	Roady 6	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524270	Active	Roady 7	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524271	Active	Roady 8	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524272	Active	Roady 9	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524273	Active	Roady 10	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524274	Active	Roady 11	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524275	Active	Roady 12	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524276	Active	Roady 13	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524277	Active	Roady 14	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524278	Active	Roady 15	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524279	Active	Roady 16	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524280	Active	Roady 17	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524281	Active	Roady 18	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524282	Active	Roady 19	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524283	Active	Roady 20	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524284	Active	Roady 21	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524285	Active	Roady 22	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524286	Active	Roady 23	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524287	Active	Roady 24	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524288	Active	Roady 25	Earth & Iron Projects Inc. - 100%	8/19/2017	8/30/2017	11/1/2020	
P 524289	Active	Roady 26	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524290	Active	Roady 27	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524291	Active	Roady 28	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524292	Active	Roady 29	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524293	Active	Roady 30	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524294	Active	Roady 31	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524295	Active	Roady 32	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524296	Active	Roady 33	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524297	Active	Roady 34	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524298	Active	Roady 35	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524299	Active	Roady 36	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524300	Active	Roady 37	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 524301	Active	Roady 38	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524302	Active	Roady 39	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524303	Active	Roady 40	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524304	Active	Roady 41	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524305	Active	Roady 42	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524306	Active	Roady 43	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524307	Active	Roady 44	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524308	Active	Roady 45	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524309	Active	Roady 46	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524310	Active	Roady 47	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524311	Active	Roady 48	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524312	Active	Roady 49	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524313	Active	Roady 50	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524314	Active	Roady 51	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524315	Active	Roady 52	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524316	Active	Roady 53	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524317	Active	Roady 54	Earth & Iron Projects Inc. - 100%	8/20/2017	8/30/2017	11/1/2020	
P 524420	Pending	S.G. 1	Earth & Iron YT Inc. - 100%	5/17/2018	5/29/2018	5/29/2019	
P 509041	Active	BRODIE 1	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2022	
P 509042	Active	BRODIE 2	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2022	
P 509043	Active	BRODIE 3	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2022	
P 509044	Active	BRODIE 4	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2022	
P 509045	Active	BRODIE 5	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2022	
P 509046	Active	BRODIE 6	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2022	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 509047	Active	BRODIE 7	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2021	
P 509048	Active	BRODIE 8	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/13/2011	8/16/2011	11/1/2021	
P 524049	Active	Chris	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/1/2017	8/2/2017	11/1/2020	
P 524053	Active	Mike	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/1/2017	8/3/2017	11/1/2020	
P 524052	Active	Pilkey	James (Jim) Davies - 50%, Earth & Iron Mines Inc. - 50%	8/1/2017	8/3/2017	11/1/2020	
P 525005	Pending	Elias 1	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525006	Pending	Elias 2	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525007	Pending	Elias 3	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525008	Pending	Elias 4	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525009	Pending	Elias 5	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525010	Pending	Elias 6	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525011	Pending	Elias 7	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525012	Pending	Elias 8	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525013	Pending	Elias 9	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525014	Pending	Elias 10	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525015	Pending	Elias 11	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525016	Pending	Elias 12	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525017	Pending	Elias 13	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525018	Pending	Elias 14	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525019	Pending	Elias 15	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525020	Pending	Elias 16	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525021	Pending	Elias 17	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525022	Pending	Elias 18	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525023	Pending	Elias 19	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525024	Pending	Elias 20	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 525025	Pending	Elias 21	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525026	Pending	Elias 22	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525027	Pending	Elias 23	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525028	Pending	Elias 24	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525029	Pending	Elias 25	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525030	Pending	Elias 26	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525031	Pending	Elias 27	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525032	Pending	Elias 28	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525033	Pending	Elias 29	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525034	Pending	Elias 30	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525035	Pending	Elias 31	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525036	Pending	Elias 32	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525037	Pending	Elias 33	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525038	Pending	Elias 34	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525039	Pending	Elias 35	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525040	Pending	Elias 36	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525041	Pending	Elias 37	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525042	Pending	Elias 38	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525043	Pending	Elias 39	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525044	Pending	Elias 40	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525045	Pending	Elias 41	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525046	Pending	Elias 42	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525047	Pending	Elias 43	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525048	Pending	Elias 44	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525049	Pending	Elias 45	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525050	Pending	Elias 46	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525051	Pending	Elias 47	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525052	Pending	Elias 48	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	

GRANT NUMBER	STATUS	CLAIM NAME	OWNER NAME	STAKING DATE	RECORDED DATE	EXPIRY DATE	GROUPING NUMBER
P 525053	Pending	Elias 49	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525054	Pending	Elias 50	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 525055	Pending	Elias 51	Stuart Gray - 100%	9/6/2018	9/14/2018	9/14/2019	
P 524422	Pending	Lake 1	Stuart Gray - 100%	5/19/2018	5/29/2018	5/29/2019	
P 524423	Pending	Lake 2	Earth & Iron Inc. - 100%	5/19/2018	5/29/2018	5/29/2019	
P 524421	Pending	S.G. 2	Stuart Gray - 100%	5/17/2018	5/29/2018	5/29/2019	
P 524737	Pending	Anni 1	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524738	Pending	Anni 2	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524739	Pending	Anni 3	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524740	Pending	Anni 4	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524741	Pending	Anni 5	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524742	Pending	Anni 6	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524743	Pending	Anni 7	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524744	Pending	Anni 8	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524745	Pending	Anni 9	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524746	Pending	Anni 10	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524747	Pending	Anni 11	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524748	Pending	Anni 12	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524749	Pending	Anni 13	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524750	Pending	Anni 14	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524751	Pending	Anni 15	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524752	Pending	Anni 16	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	
P 524753	Pending	Anni 17	Western Heavy Haul Inc. - 100%	7/15/2018	7/17/2018	7/17/2019	

Grant number	Tenure	Status	Length	Owner	Staking Date	Recorded Date	Expiry Date	District
IM00381	Prospecting lease	Active	3 MILES	Dean Gray Enterprises Ltd. - 100%	5/19/2018	5/29/2018	5/29/2019	Mayo
IM00393	Prospecting lease	Pending	1 MILE	Stuart Gray - 100%	9/30/2018	10/01/2018	10/01/2019	Mayo

Appendix 2 – 2018 R/C Drill Logs, Upper Duncan Creek



EARTH & IRON INC.
 Mayo Mining District, YT Canada
 T: (780) 900 2306

Signature _____
 Date _____

DRILL SAMPLE PROCESSING LOG

DATE DRILLED	<u>7-Jun</u>	TYPE OF DRILL	<u>RC</u>	LOCATION	<u>UD</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>SAM 9</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>23.5m/77.08 ft</u>	DRILL HOLE NAME	<u>UD18-01</u>
DATE PROCESSED	<u>10-Jun</u>	COMPLETED BY	<u>Mark/Allan</u>	METHOD	<u>Long Tom</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
0-3	1 Bag	Light Gry w small amount of black sand	Trace colour		y
3-4	3/4 bag	light gry w gravels	xtaline mag, scheelite good colour, 3CC, 4MC, 10FC		y
4-5	1/2 bag	light tan sand	10-15 colours		y
5-6	1/2 bag	light tan sand w Grv	4 colours		y
6-7	5/8 bag	light/med gry w trace Grv	3 colours		y
7-8	1/2 bag	light gry and tan sand w Grv	2 colours		y
8-9	1/2 bag	med brown sand w small amount Grv	4 colours		y
9-10	1 full bag	gry silt and sand w Grv	2 colours		y
10-11	1/2 bag	dark gry silt w Grv	2 colours		y
11-12	3/4 bag	dark gry silt w Grv	1 small flake		y
12-13	3/4 bag	light tan sand w gry silt lots of Grv	1 colour		y
13-14	1/2 bag	silt, med gry quartz in silt	1 colour		y
14-15	1/2 bag	black silt, granite chips	no gold		n

DRILL SAMPLE PROCESSING LOG

DATE DRILLED	<u>7-Jun</u>	TYPE OF DRILL	<u>RC</u>	LOCATION	<u>UD</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>SAM 9</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>23.5m/77.08 ft</u>	DRILL HOLE NAME	<u>UD18-01</u>
DATE PROCESSED	<u>10-Jun</u>	COMPLETED BY	<u>Mark/Allan</u>	METHOD	<u>Long Tom</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
15-16	1/4 bag	black silt, heavy Grv	no gold	granite prominent	n
16-17	1/2 bag	black silt, heavy Grv	no gold	granite prominent	n
17-18	1 full bag	black silt/Cl heavy Grv	no gold	silt prominent	n
18-19	1 full bag	light gry silt Cl w light sand and Grv	no gold		n
19-20	1 full bag	light gry and tan sand	1 colour		y
20-21	1/2 bag	wet sand with grav	no gold		y
21-22	3/4 bag	light brown sand w Grv	no gold		y
22-23.5	1 full bag	light brown sand w rounded Grv	3 colours		y



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED	<u>June 9 2018</u>	TYPE OF DRILL	<u>RC</u>	LOCATION	<u>Upper Dunc.</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>SAM 7</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>29m/95.14 ft</u>	DRILL HOLE NAME	<u>UD18-02</u>
DATE PROCESSED	<u>June 11 2018</u>	COMPLETED BY	<u>Mark, Allan</u>	METHOD	<u>Long Tom</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
0-2	1/2 bag	light coloured sand w mixed Grv	3 FC	Back Fill	Y
2-3	1/4 bag	med brown sand w mixed Grv	1MC 4FC		Y
3-4	1/2 bag	med brown sand w mixed Grv	no gold		N
4-5	3/8 bag	med brown sand w mixed Grv and silt	no gold		N
5-6	1/2 bag	light brown sand w mixed gravels	1MC	Very bright	Y
6-7	1/2 bag	light brown tan sand w mixed gravels	1MC 4FC		Y
7-8	1/2 bag	light brown sand w mixed gravels	4FC		Y
8-9	1/2 bag	light brown sand w mixed gravels	7FC		Y
9-10	1/2 bag	light brown sand w mixed gravels	1MC		Y
10-11	1/2 bag	light brown sand w mixed gravels	1LC		Y
11-12	1/4 bag	light brown sand w heavy Grv	1LC		Y
12-13	1/2 bag	med brown sand with mixed gravels	3veryFC		Y
13-14	1/2 bag	med brown sand with mixed gravels	2FC		Y
14-15	1/2 bag	light brown sand w mixed gravels	1Small flake, 3FC		Y

DRILL SAMPLE PROCESSING LOG

DATE DRILLED	June 9 2018	TYPE OF DRILL	RC	LOCATION	Upper Dunc.
DRILLER	Mark	INSIDE DIAMETER OF DRILL	115mm	CLAIM NAME	SAM 7
HELPER	Allan	TOTAL DEPTH REACHED	29m/95.14 ft	DRILL HOLE NAME	UD18-02
DATE PROCESSED	June 11 2018	COMPLETED BY	Mark, Allan	METHOD	Long Tom

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
15-16	1/2 bag	light brown sand w mixed gravels	no gold		N
16-17	1/2 bag	dark sand with mixed Grv	1 small Gr, 2FC		Y
17-18	1/4 bag	brown sand w mixed gravels	2FC		Y
18-19	1/2 bag	gry sand and grv	3FC		Y
19-20	3/4 bag	gry sand mixed with silt and Grv	1MC		Y
20-21	full bag	silt w mixed Grv	no gold		N
21-22	full bag	silt and Cl mixed w Grv	3FC, 4 vfc	hard to sluice due to Cl	Y
22-23	full bag	silt and Cl mixed w Grv	3VFC	hard to sluice due to Cl	Y
23-24	full bag	silt and Cl mixed w Grv	3VFC	hard to sluice due to Cl	Y
24-25	full bag	silt and Cl mixed w Grv	no gold	hard to sluice due to Cl	N
25-26	full bag	black sand and silt and Cl mixed w Grv	no gold	hard to sluice due to Cl	N
26-27	1/2 bag	black sand and silt and Cl mixed w Grv	no gold	hard to sluice due to Cl	N
27-28	1/2 bag	Cl silt and black sand	1MC, 1FC	angluar gold colour	Y
28-29	1/2 bag	Cl silt black sand and bedrock chips	no gold		N
29-30					



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED	<u>June 12,13/18</u>	TYPE OF DRILL	<u>RC</u>	LOCATION	<u>L.James Trib</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>IZZIE12</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>18.5m/60.68 ft</u>	DRILL HOLE NAME	<u>UD18-03</u>
DATE PROCESSED	<u>June 13,14/18</u>	COMPLETED BY	<u>Geo Team</u>	METHOD	<u>long tom</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
0-2	1/3 bag	dry dark brown silty loam, some organics and fine black sand. Grv-subround/sub ang	1/5 magnetic, med black sand Grv 4VF, 1FC		Y
2-3	1/2 bag	dark silt, some Grv	mod. Black sand-mostly non mag. 1VFC	mostly quartzite	Y
3-4	1/5 bag	sbrndd Grv, dark gry Cl.	non-mag blk sand 1MC, 5FC	bright gold	Y
4-5	1/2 bag	dark gry wet cley, small ang Grv	non mag blk sand 1MC, 2FC	mostly quartzite	Y
5-6	2/3 bag	semi-dry black Cl silt, small sbrndd Grv	non mag blk sand 1MC, 4FC		Y
6-7	1/4 bag	wet Cl silt, some sand, ang Grv	pyrite 2VFC	quartz clasts	Y
7-8	1/2 bag	ang gravel coarse Gr sand	abundant pyrite 1MC, 2FC, 5VFC	quartz clasts	Y
8-9	2/3 bag	silty Cl w coarse sand and ang small Grv	pyrite 1MC, 4FC	variety of clasts, qtzite, schist, qtz	Y
9-10	1 bag	dark gry silty sand with ang pebble Grv	abun. Galena, pyrite 1MC, 5FC	quartz, schist, quartzite	Y
10-11	1/3 bag	gry silt with small Grv and coarse sand	pyrite, illmenite, rutile 2FC	quartz and quartzite	Y
11-12	2/3 bag	gry silt with ang med Grv and sand	pyrite, illmenite, rutile 1FC	quartz	Y

DRILL SAMPLE PROCESSING LOG

DATE DRILLED	<u>June 12,13/18</u>	TYPE OF DRILL	<u>RC</u>	LOCATION	<u>L.James Trib</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>IZZIE12</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>18.5m/60.68 ft</u>	DRILL HOLE NAME	<u>UD18-03</u>
DATE PROCESSED	<u>June 13,14/18</u>	COMPLETED BY	<u>Geo Team</u>	METHOD	<u>long tom</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
12-13	1 bag	med gry brown silt w fine-med Grv, sand	galena, pyrite, rutile 2FC	quartz	Y
13-14	2/3 bag	black silt with ang-sbrndd Grv and coarse sand	pyrite, illmenite, schelite 1FC	less variety, mostly quartzite	Y
14-15	1 1/4 bag	dry black silt, fine gr ang mixed quartzite and schist Grv	small pyrite, illmenite 1VFC	black qtzite dominated	Y
15-16	3/4 bag	black silt with sbrndd mixed Grv, bimodal	pyrite (little), illmenite 3FC	crystalline gold, dendritic	Y
16-17	3/4 bag	gry silt with subang-sbrndd Grv	pyrite (little), illmenite 2VFC	quartzite	Y
17-18.5	1 bag	gry silt with quartz chips and sbrndd-subang Grv, sand	pyrite (little) 2VFC	black qtzite dominated	Y



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED	<u>June 14 2018</u>	TYPE OF DRILL	<u>RC</u>	LOCATION	<u>L.James Trib</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>IZZIE12</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>13.5m/44.28 ft</u>	DRILL HOLE NAME	<u>UD18-04</u>
DATE PROCESSED	<u>June 14 2018</u>	COMPLETED BY	<u>Geo Team</u>	METHOD	<u>Long Tom</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)
			GOLD DESCRIPTION		
0-4	1/4 bag	tan sand w ang dry black silt	mod pyrite 1VF	ang schist and quartz (heterolithic)	Y
4-5	1/4 bag	tan med sand with ang-subang Grv. Dry	mod pyrite 3FC		Y
5-6	1/5 bag	wet ang Grv silty with coarse sand	sm. Pyrite 1MC, 1FC 8VFC		Y
6-7	1/2 bag	wet ang grv w gry brown silty coarse sand	sm pyrite 3VFC		Y
7-8	1/3 bag	wet silty Cl w small ang	pyrite 3FC, 8VFC		Y
8-9	2/3 bag	dark black dry silt w ang-sbrndd Grv and sand	pyrite 2VFC		Y
9-10	2/3 bag	brown silty sbrndd Grv and coarse sand	Pyrite, ilmenite 2VFC		Y
10-11	3/4 bag	dark brown/gry silt with coarse sand and ang Grv	mod pyrite, galena 2MC, 2FC		Y
11-12	1/3 bag	dry gry silty sand ang small-med gravels	Pyrite, ilmenite 1FC	schist	Y
12-13.5	1/4 bag	gry bedrock chips, silty sand	pyrite 1FC	graphitic schist	Y



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED June 19 2018 **TYPE OF DRILL** DH/RC **LOCATION** James Trib.
DRILLER Mark **INSIDE DIAMETER OF DRILL** 115mm **CLAIM NAME** James 15
HELPER Allan **TOTAL DEPTH REACHED** 20m/65.4ft **DRILL HOLE NAME** UD18-05
DATE PROCESSED June 22 2018 **COMPLETED BY** Mark/Allan **METHOD** Long Tom

DRILL LOG
TYPE OF DRILL RC **DRILLER** Mark Bayne
INSIDE DIAMETER OF DRILL 115mm **HELPER** Allan Dutchak

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)	DRILL HOLE NAME	DATE	FROM (m)	TO (m)	TOTAL DRILL DEPTH (m)	DESCRIPTION OF MATERIAL	DRILLING CONDITIONS AND WATER TABLE
			GOLD DESCRIPTION									
0-2	3/4 bag	Organic soil and sand, dry	no gold		N							
2-3	1/2 bag	Grey sand and gravels	2 FC		Y	UD18-05	June 19/18	0	5	5	Organic dirt/sand with mixed gravels	Dry
3-4	1/2 bag	Grey sand and gravels	3 VFC		Y							
4-5	1/2 bag	Dark to black sand and gravels	1 FC		Y							
5-6	1/2 bag	Dark to black sand and gravels, some water	1 FC		Y	UD18-05	June 19/18	5	6	1	Organic dirt/sand with mixed gravels	Small amount of ground water
6-7	1/2 bag	Medium grey sand and gravel	1 FC		Y							
7-8	1/2 bag	Light grey sand	2 FC		Y							
8-9	1/2 bag	yellow sands and gravel	3 FC		Y							
9-10	1/2 bag	Grey light tan sand	no gold		N							
10-11	1/2 bag	Grey light sand	3 FC	Heavy quartz and quartzite	Y	UD18-05	June 20/18	6	15	9	Bright tan and orange sand at 8-9.5m, red light sand gry Grv	Groundwater at 14m
11-12	1/2 bag	light grey/light tan sand	1VFC	Black sand quartzite and	Y							
12-13	3/4 bag	light grey/light tan sand	no gold		N							
13-14	1/2 bag	light grey/light tan sand	no gold		N							
14-15	3/4 bag	light grey/light tan sand	no gold	abundance of pyrite	N							
15-16	1/2 bag	light grey/light tan sand	no gold	abundance of pyrite	N							
16-17	3/4 bag	silt and light grey sand	no gold	quartz quartzite	N							

DRILL SAMPLE PROCESSING LOG



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DATE DRILLED	<u>June 19 2018</u>	TYPE OF DRILL	<u>DH/RC</u>	LOCATION	<u>James Trib.</u>
DRILLER	<u>Mark</u>	INSIDE DIAMETER OF DRILL	<u>115mm</u>	CLAIM NAME	<u>James 15</u>
HELPER	<u>Allan</u>	TOTAL DEPTH REACHED	<u>20m/65.4ft</u>	DRILL HOLE NAME	<u>UD18-05</u>
DATE PROCESSED	<u>June 22 2018</u>	COMPLETED BY	<u>Mark/Allan</u>	METHOD	<u>Long Tom</u>

TYPE OF DRILL	<u>RC</u>	DRILLER	<u>Mark Bayne</u>
INSIDE DIAMETER OF DRILL	<u>115mm</u>	HELPER	<u>Allan Dutchak</u>

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)	DRILL HOLE NAME	DATE	FROM (m)	TO (m)	TOTAL DRILL DEPTH (m)	DESCRIPTION OF MATERIAL	DRILLING CONDITIONS AND WATER TABLE
			GOLD DESCRIPTION									
17-18	3/4 bag	silt and light grey sand with tan/orange sand	1 Mflake, 3 FC	abundance of pyrite	Y	UD18-05	June 20/18	15	20	5	0.3m of light orange sand/gravel before bedrock	lots of water at 19m
18-19	1/2 bag	Grey sand, wet	3FC	pyrite	Y							
19-20	1/4 bag	light grey and tan sand, seams of orange colour	1MC		Y							



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED	June 20 2018	TYPE OF DRILL	DTH/RC	LOCATION	James Trib.
DRILLER	Mark	INSIDE DIAMETER OF DRILL	115 mm	CLAIM NAME	James 15
HELPER	Allan	TOTAL DEPTH REACHED	13m/42.51ft	DRILL HOLE NAME	UD18-06
DATE PROCESSED	June 23 2018	COMPLETED BY	Mark	METHOD	Long tom

DRILL LOG			
TYPE OF DRILL	RC	DRILLER	Mark Bayne
INSIDE DIAMETER OF DRILL	115mm	HELPER	Allan Dutchak

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)	DRILL HOLE NAME	DATE	FROM (m)	TO (m)	TOTAL DRILL DEPTH (m)	DESCRIPTION OF MATERIAL	DRILLING CONDITIONS AND WATER TABLE
			GOLD DESCRIPTION									
0-2	1/2 bag	Black organic soil with medium grey sand	2 FC		Y	UD18-06	June 20/18	0	6	6	Organic black soil	Soft
2-3	1/2 bag	Black organic soil with medium grey sand	2 FC		Y							
3-4	1/2 bag	Dark grey and black sand	1MC		Y							
4-5	1/2 bag	Dark grey and black sand	no gold		N							
5-6	1/2 bag	Medium grey sand	no gold		N							
6-7	1/4 bag	Medium grey sand	no gold		N	UD18-06	June 20/18	6	7	1	Black soil with light gry	Soft
7-8	1/2 bag	light grey sand	no gold		N	UD18-06	June 20/18	7	8	1	med gry sand ad Grv	Hard Packed
8-9	1/2 bag	light grey sand	no gold		N	UD18-06	June 20/18	8	12	4	fine light gry sand with Grv, light tan sand at 11m	Hard Packed
9-10	3/4 bag	yellow grey sand and light grey sand	no gold	Pyrite	N							
10-11	3/4 bag	yellow grey sand and light grey sand	no gold	Pyrite	N							
11-12	1/2 bag	yellow grey sand and light grey sand	no gold	Pyrite	N							
12-13	1/4 bag	yellow grey sand and light grey sand	no gold	Pyrite, quartz and quartzite	N	UD18-06	June 20/18	12	13	1	bedrock refusal	No water in hole



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED June 21 2018 **TYPE OF DRILL** _____ **DTH/RC** _____ **LOCATION** James Trib.
DRILLER Mark **INSIDE DIAMETER OF DRILL** 115 mm **CLAIM NAME** James 15
HELPER Allan **TOTAL DEPTH REACHED** 19m/62.13ft **DRILL HOLE NAME** UD18-07
DATE PROCESSED June 23 2018 **COMPLETED BY** Mark **METHOD** Long tom

DRILL LOG
TYPE OF DRILL _____ **RC** _____ **DRILLER** Mark Bayne
INSIDE DIAMETER OF DRILL 115mm **HELPER** Allan Dutchak

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)	DRILL HOLE NAME	DATE	FROM (m)	TO (m)	TOTAL DRILL DEPTH (m)	DESCRIPTION OF MATERIAL	DRILLING CONDITIONS AND WATER TABLE
			GOLD DESCRIPTION									
0-2	1/2 bag	Black top soil with light grey tan sand	2FC		Y	UD18-07	June 20/18	0	1	1	Organic black soil with	
2-3	1/4 bag	light grey/ tan sand	3FC		Y	UD18-07	June 20/18	1	4	3	light gry/tan fine sand	
3-4	3/4 bag	light grey/ tan sand with larger gravel	1FC		Y							
4-5	1/2 bag	light grey sand with hints of tan sand	2FC		Y	UD18-07	June 20/18	4	6	2	black/med gry sand and silt	
5-6	1/2 bag	light and dark grey silt	no gold		N							
6-7	1/2 bag	yellow and grey sand	no gold		N	UD18-07	June 20/18	6	9.5	3.5	light, fine sand with orange and tans	
7-8	1/4 bag	Brown sand	1FC		Y							
8-9	1/2 bag	yellow tan sand	2 FC		Y							
9-10	3/4 bag	yellow and grey sand	no gold		N							

DRILL SAMPLE PROCESSING LOG



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DATE DRILLED June 21 2018 **TYPE OF DRILL** DTH/RC **LOCATION** James Trib.
DRILLER Mark **INSIDE DIAMETER OF DRILL** 115 mm **CLAIM NAME** James 15
HELPER Allan **TOTAL DEPTH REACHED** 19m/62.13ft **DRILL HOLE NAME** UD18-07
DATE PROCESSED June 23 2018 **COMPLETED BY** Mark **METHOD** Long tom

DRILL LOG

TYPE OF DRILL RC **DRILLER** Mark Bayne
INSIDE DIAMETER OF DRILL 115mm **HELPER** Allan Dutchak

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)	DRILL HOLE NAME	DATE	FROM (m)	TO (m)	TOTAL DRILL DEPTH (m)	DESCRIPTION OF MATERIAL	DRILLING CONDITIONS AND WATER TABLE
			GOLD DESCRIPTION									
10-11	1/2 bag	yellow and grey sand	1FC, 1MC		Y	UD18-07	June 20/18	9.5	15	5.5	dark gry Grv and silt with light gry sand, seams of tan	water at 15m
11-12	3/4 bag	yellow and grey sand	1FC		Y							
12-13	1/2 bag	grey light grey very fine sand silt	1CC, 2FC		Y							
13-14	1/2 bag	dark grey	3FC		Y							
14-15	1/2 bag	dark grey/ black silt and fine sand	no gold		N							
15-16	1/2 bag	dark grey/ black silt and fine sand	no gold		N	UD18-07	June 20/18	15	19	4	sand/gravel, bedrock at 18m	
16-17	1/2 bag	dark grey/ black silt and fine	1FC	pyrite with red	Y							
17-18	1/2 bag	grey sand with seams of light sand	2FC	contains quartz	Y							
18-19	1/4 bag	grey sand with bedrock	3FC	lots of quartz. Pyrite and	Y							



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DRILL SAMPLE PROCESSING LOG

DATE DRILLED June 22 2018 **TYPE OF DRILL** _____ **DTH/RC** _____ **LOCATION** James Trib.
DRILLER Mark **INSIDE DIAMETER OF DRILL** 115 mm **CLAIM NAME** James 15
HELPER Allan **TOTAL DEPTH REACHED** 9.5m/32.7ft **DRILL HOLE NAME** UD18-08
DATE PROCESSED June 24 2018 **COMPLETED BY** Mark **METHOD** Long tom

DRILL LOG
TYPE OF DRILL _____ **RC** _____ **DRILLER** Mark Bayne
INSIDE DIAMETER OF DRILL 115mm **HELPER** Allan Dutchak

DEPTH (m)	SAMPLE SIZE	LITHOLOGY DESCRIPTION	FINAL CONCENTRATE DESCRIPTION	COMMENTS	SAMPLE ON FILE (Y/N)	DRILL HOLE NAME	DATE	FROM (m)	TO (m)	TOTAL DRILL DEPTH (m)	DESCRIPTION OF MATERIAL	DRILLING CONDITIONS AND WATER TABLE
			GOLD DESCRIPTION									
0-2	1/2 bag	light grey sand and top soil	no gold		N	UD18-08	June 22/18	0	1	1	Organic black soil	No water in hole
2-3	1/2 bag	grey sand	2FC		Y	UD18-08	June 22/18	1	3.5	3.5	light gry sand with seams of orange and tan sand	
3-4	3/4 bag	dark grey and black sand and silt	no gold		N						light-med gry sand	
4-5	1/2 bag	dark grey and black sand and silt	no gold		N	UD18-08	June 22/18	3.5	5	1.5	light-med gry sand	
5-6	1/2 bag	dark grey and black sand and silt	no gold		N	UD18-08	June 22/18	5	8	3	dark sand and Grv with silt	
6-7	1/2 bag	dark grey and black sand and silt	no gold		N						light gry sand with Grv seams	
7-8	1/2 bag	Mix of grey and light sand	no gold		N						bedrock	
8-9	1/2 bag	light sand	2FC		Y	UD18-08	June 22/18	8	9.5	1.5	light gry sand with Grv seams	
9-9.5	3/4 bag	light sand with bedrock	no gold		N	UD18-08	June 22/18	9.5	10	0.5	bedrock	