

Assessment Report Nabob Project, Keno Hill Silver District Yukon Territory, Canada

NTS MAP-SHEET 105M/14

63°56'42"N 135°11'58"W
E490225 / N7090900
NAD83, Zone 8N

MAYO MINING DISTRICT

Nabob (*YC01995*) claim

Report Prepared for

H.Coyne & Sons Ltd.
14 MacDonald Road,
Whitehorse, Yukon Y1A 4L2
CANADA



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Assessment Report
Nabob Project, Keno Hill
Yukon Territory, Canada

Nabob (YC01995)

63°56'42"N 135°11'58"W
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NAD83, Zone 8N

1:250 000-scale 105M - Mayo Map Sheet
1:50 000-scale 105M/14 – Keno Hill Map Sheet

MAYO MINING DISTRICT

Work completed: July - September 2012



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SUMMARY

In 2012, KHEC applied and received a Class 3/4 Mining Land Use Permit on the Nabob (*YC01995*) claim. From July until early September 2012, KHEC and Partners 'H. Coyne & Sons Ltd.' completed a five-component program on the Nabob claim. The project commenced with 1.7 line-kilometres of SC3DIP (Induced Polarization geophysics) performed by Aurora Geosciences Ltd. Following the survey, 17 diamond drill holes were drilled from 9 different collars which targeted the surface and near surface trace of the 'Main fault zone' and transverse 'Nabob vein'. During and post-drilling, 5 trenches (104.5 m^3 cubic yards) were completed by the applicant to target the extent of the Nabob vein system. The hoe was used to re-expose the vein in the historic 'Main' and 'Cliff' Trenches. The 'Shaft Pit' is located at the western edge of the Historic Main Trench - this area was the primary focus of high-grading later in the season and ~6.5 tons of Ag-Pb ore was extracted. Another ton was collected near an old shaft in the Cliff Trench. For the duration of the project, approximately 7.5 tons of high-grade silver ore characterized by galena ± acanthite, anglesite, malachite, chrysocolla with trace pyrargerite, brochantite, hemimorphite was extracted from near-surface on the claim within previously disturbed ground. Following the work program, three of the five trenches were backfilled and reclaimed, and ~ 250 m of the Silver Basin Gulch Road was upgraded, excavated wall-rock material from the historic main trench and historic overburden piles were used to build up the existing road between 1-3', thereby partially reclaiming and re-contouring the slope and area around the historic Main Trench.

The project is in central Yukon and comprises one quartz claim – the Nabob (*YC01995*) claim is centered at a latitude of 63º56'41"N and a longitude of 135º12'0"W and falls within the Mayo Mining District. The claim is ~12 km by road from the hamlet of Keno and ~72 km from the village of Mayo via the Signpost Road and Silver Trail respectively. Access to the project is via Keno City, 110 kilometres east from the Klondike Highway (Yukon Highway 2) at Stewart Crossing, 354 km north of Whitehorse.

The historic Nabob claim has a long history, which extends back to 1919 when it was first staked as one of the original four claims on Keno Hill. The Nabob claim was acquired in the fall of 2011 by KHEC whom wholly owns the claim.

The Keno Hill Silver District is situated on the northeastern side of the Tintina Trench within the northwestern Ominieca Belt in a band of regional-scale thrust faults. The local Nabob geology is characterized by the lower portion of the Mississippian Keno Hill Quartzite contact with the 'Lower Schist' (Earn Group carbonaceous phyllite). The sequence was metamorphosed to greenschist-facies during the Cretaceous. The Basal Quartzite is up to 700 m-thick and comprises quartzite interbedded with minor graphitic phyllite, which is intruded by Triassic greenstone sills. On the Nabob claim, surface rock exposure is generally massive thick-bedded quartzite with local bedded graphitic ± phyllitic schist. Drilling however, intersected local greenstone (DDH NA-12-11; E0490190 / N7090874) and numerous holes intersected silicified (hornfelsed) quartzite at the footwall contact. As verified by KHEC's findings on Nabob, the Basal Quartzite and Triassic

greenstone sills are the dominant hosts to the silver mineralization in the Keno Hill district – most of the productive lead-zinc-silver lodes are localized in the thick-bedded quartzites (Boyle, 1965; Ex: No. 9, Lucky Queen, Shamrock *etc.*); and on Keno Hill a rich number of ore shoots were mined (Boyle, 1965; Ex: Ladue-Sadie-Friendship & the No. 6 Vein proximal to 'Greenstone Knob', Minto Hill, east of Keno Summit).

The Elsa-Keno mining camp has been a major worldwide producer of silver from a series of sulphide-rich veins or vein-faults exploiting dilational zones related to sinistral deformation within the local strata. Productive veins occur dominantly within the Keno Hill Quartzite and to a lesser extent in the underlying Lower Schist, although the host structures do extend up across the Robert Service Thrust and into the structurally overlying Yusezyu Formation. To the south, the Robert Service Thrust Fault separates the Keno Hill Quartzite from the overthrust Upper Proterozoic Hyland Group comprising predominantly meta-sedimentary chlorite and quartz rich schist. Dominant ore minerals are galena, sphalerite, and tetrahedrite with siderite and/or quartz as gangue material (Boyle, 1965). Dominant orientation of the mineralized veins is roughly northeast-southwest, with a smaller number of cross-oriented vein-faults roughly perpendicular to the dominant structures (Boyle, 1965). Historically, a number of stratigraphic and structural conditions have been considered necessary for ore development along the vein-faults. The ore at the highly productive Hector Calumet mine developed where the vein-fault is both hosted by interlayered quartzites and graphitic schists high in the Keno Hill Quartzite and is cut by north-northwest trending, west dipping cross faults with apparent right lateral movement.

The Keno Hill District has produced a total of 669,013.4 kg of silver (214,035,599 troy ounces), 273,622,047 kg of lead and 153,198,383 kg of zinc. The District encompasses 16 important deposits (each produced at least 155,500 kg of silver) and 19 lesser deposits, all contained in a belt that is 21 km-long and 2 to 6.5 km-wide.

KHEC and H. Coyne & Sons Ltd. completed a multi-phase exploration and mining program on the Nabob claim during the 2012 field season. Combining the 3D geophysics, drilling, trenching and rock sampling – identified that the MFZV (AKA- No. 6 Vein) is a strong structure that is relatively easy to follow along strike. Mineralized vein material exhibits highly variable geochemistry and samples indicate grades ranging from ~50 to 500 oz/t silver. The average grade from the samples collected representing the ore collected report ~200 oz/t silver. To date 55 tons of high-grade (estimated ≥200 oz/t Ag) and 16.5 tons of low-grade (estimated 40-100 oz/t Ag) have been collected on the claim. Surface mining over the past two seasons has proved economical and as a result this venture is encouraged to continue high-grading on the claim.

Numerous exploration techniques were employed during the 2012 work program on the Nabob claim – this greatly exceeds the maximum allowable assessment costs filed with the Mayo Mining Recorder and as a result only the SC3DIP program expenditures were filed at a cost of $20,905.[50].

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Introduction

In 2012, KHEC applied and received a Class 3/4 Mining Land Use Permit on the Nabob (*YC01995*) claim. From July until early September 2012, KHEC and Partners 'H. Coyne & Sons Ltd.' completed a five-component program on the Nabob claim. The project commenced with 1.7 line-kilometres of SC3DIP (Induced Polarization geophysics) performed by Aurora Geosciences Ltd. Following the survey, 17 diamond drill holes were drilled from 9 different collars which targeted the surface and near surface trace of the 'Main fault zone' and transverse 'Nabob vein'. During and post-drilling, 5 trenches (104.5 m^3 cubic yards) were completed by the applicant to target the extent of the Nabob vein system. The hoe was used to re-expose the vein in the historic 'Main' and 'Cliff' Trenches. The 'Shaft Pit' is located at the western edge of the Historic Main Trench - this area was the primary focus of high-grading later in the season and ~6.5 tons of Ag-Pb ore was extracted. Another ton was collected near an old shaft in the Cliff Trench. For the duration of the project, approximately 7.5 tons of high-grade silver ore characterized by galena ± acanthite, anglesite, malachite, chrysocolla with trace pyrargerite, brochantite, hemimorphite was extracted from near-surface on the claim within previously disturbed ground. Following the work program, three of the five trenches were backfilled and reclaimed, and ~ 250 m of the Silver Basin Gulch Road was upgraded, excavated wall-rock material from the historic main trench and historic overburden piles were used to build up the existing road between 1-3', thereby partially reclaiming and re-contouring the slope and area around the historic Main Trench.

1.1 Terms, Definitions & Units

The following terms and abbreviations are used within this report:

- Distances are reported in meters (m), kilometres (km) and feet (ft)
- Costs are reported in Canadian dollars (CAN$)
- Locational information is reported in both Latitude-Longitude and UTM grid (Easting, Northing) NAD83, Zone 8N
- Geochemical data is reported in parts per million (ppm) the equivalent to grams per tonne (g/t) and ounces per tonne (oz/t), as well as parts per billion (ppb)
- QAQC refers to quality assurance and quality control
- Geological ages include: Ka (thousand) and Ma (million) years ago
- Geological abbeviations include: Hanging Wall (HW), Footwall (FW), breccia (BRX), Main Fault Zone Vein (MFZV), fine-grained (fg), medium-grained (mg), coarse-grained (cg) and diamond drill hole (DDH).
- Elemental abbreviations include: gold (Au), lead (Pb), silver (Ag) and zinc (Zn)

- Mineralogical abbreviations include: acanthite (Aca) [silver sulphide], arsenopyrite (Apy) [iron-arsenic sulphide], brochanite (Bro) [copper sulphate], chalcopyrite (Cpy) [copper-iron sulphide], chrysocolla (Chrys) [hydrous copper silicate], galena (Gal) [lead sulphide], hematite (Hem) [iron oxide], hemimorphite (Hmp) [hydrous zinc silicate], pyrargyrite/ruby silver (Pyg) [sulphosalt], pyrite (Pyr) [iron sulphide], sphalerite (Sph) [iron-zinc sulphide], tennantite (Ten) [sulphosalt], quartz (Qtz) [silicate].
- Alteration mineralogy precipitated from circulation of groundwater include: FeO [iron oxide], MnO [blue-black manganese oxide-hydroxide] and limonite (Lim) [hydrated iron oxide]
- Directional units include: north (N), east (E), south (S), west (W) and may be used in combination (*i.e.*, NNE for north-northeast)
- Structural measurements such as 180º/65ºW refers to an azimuth of 180º, dipping 65º degrees to the west.
- MINFILE showing refers to documented mineral occurrences compiled by the Yukon Geological Survey (http://servlet.gov.yk.ca/ygsmin/index.do)

1.2 Source Documents

The following sources of information were used in writing this assessment report and include private company data and information available on the public domain:

- Review of published and scientific papers on geology on the region and on mineral deposit types
- Review of geological maps and reports completed by the Yukon Geological Survey and the Geological Survey of Canada
- Research on the Yukon Geological Survey's MINFILE database (http://servlet.gov.yk.ca/ygsmin/index.do) and Map Viewer (http://maps.gov.yk.ca/imf.jsp?site=YGS)
- Review of previously written assessment and YMIP reports at the Energy, Mines & Resources Library (http://www.emr.gov.yk.ca/library/)
- A property examination by the author on the Nabob claim throughout the 2012 season.

1.3 Geotechnical Information

KHEC uses NAD83 Zone 8N coordinates for geographic positioning system ("GPS"). Coordinates are expressed in NAD83 Zone 8N unless specified otherwise. The Garmin GPS devices are assumed accurate to within 5 meters horizontally and within 10 meters on elevation.

2 Property Location & Description

2.1 Location & Land Tenure

The project is in central Yukon and comprises one quartz claim – the Nabob (*YC01995*) claim which is located on NTS map sheet 105M/14 which lies atop Keno Hill (refer to ***Table 1.*** *Nabob Property Claim Summary*, below). The Nabob claim is centered at a latitude of 63º56'41"N and a longitude of 135º12'0"W, which falls within the Mayo Mining District (refer to ***Figure 1****. Nabob Property - Location Map*, page 4). The boundary of the Nabob claim was legally surveyed in 1921 as a quartz mining lease, however, the lease lapsed and the claim was restaked within the same boundaries as the legally surveyed claim. In terms of distance from community centers, the claim is ~12 km from the hamlet of Keno and ~72 km from the village of Mayo via the Signpost Road and Silver Trail respectively. The historic Nabob claim which was first staked on August 4th 1919 by Thomas McKay (whom partnered with Keno Silver Discoverer, Louis Bouvette) as one of the original four claims on Keno Hill. The Nabob claim was acquired in the fall of 2011 by KHEC whom wholly owns the claim.

Table 1. *Nabob Property Claim Information**

Grant #	Claim Name	Claim Owner	Staking Date	Expiry Date*
YC01995	Nabob	Keno Hill Exploration Corp. - 100%	10/29/99	11/02/16
			Total Claims =	**1**
			Approximate total area (ha) =	**20.25**

*Claim expiry date is based upon acceptance of this report.

2.2 Underlying Agreements

Keno Hill Exploration Corp., of Keno City, wholly owns the Nabob claim. A joint venture agreement between H. Coyne & Sons (*herein* HCS) and KHEC was created on July 1st 2012. Whereby HCS agreed to provide certain items of equipment, labour and services in return for a share of the profits of the high-grade ore recovery operation and the granting of an option by KHEC to HCS to obtain an undivided 50% beneficial right and interest in and to the Nabob claim, including, but not limited to, the proceeds from the sale, disposal or further option of the claim and the sale or disposal of all ore, minerals or metals recovered or mined from it. At present, no option agreement has been entertained.

The claim is located within the Traditional Territory of the Na-cho Nyak Dun (NND). The NND have settled their land claims in the area and no First Nation land settlement occurs within the Nabob area. The claim is situated on Crown Land and therefore the mineral claims fall under the jurisdiction of the Yukon Government. A class 3/4 Mining Land Use Permit (LQ00387) was obtained by KHEC in 2012 under approval by the Yukon

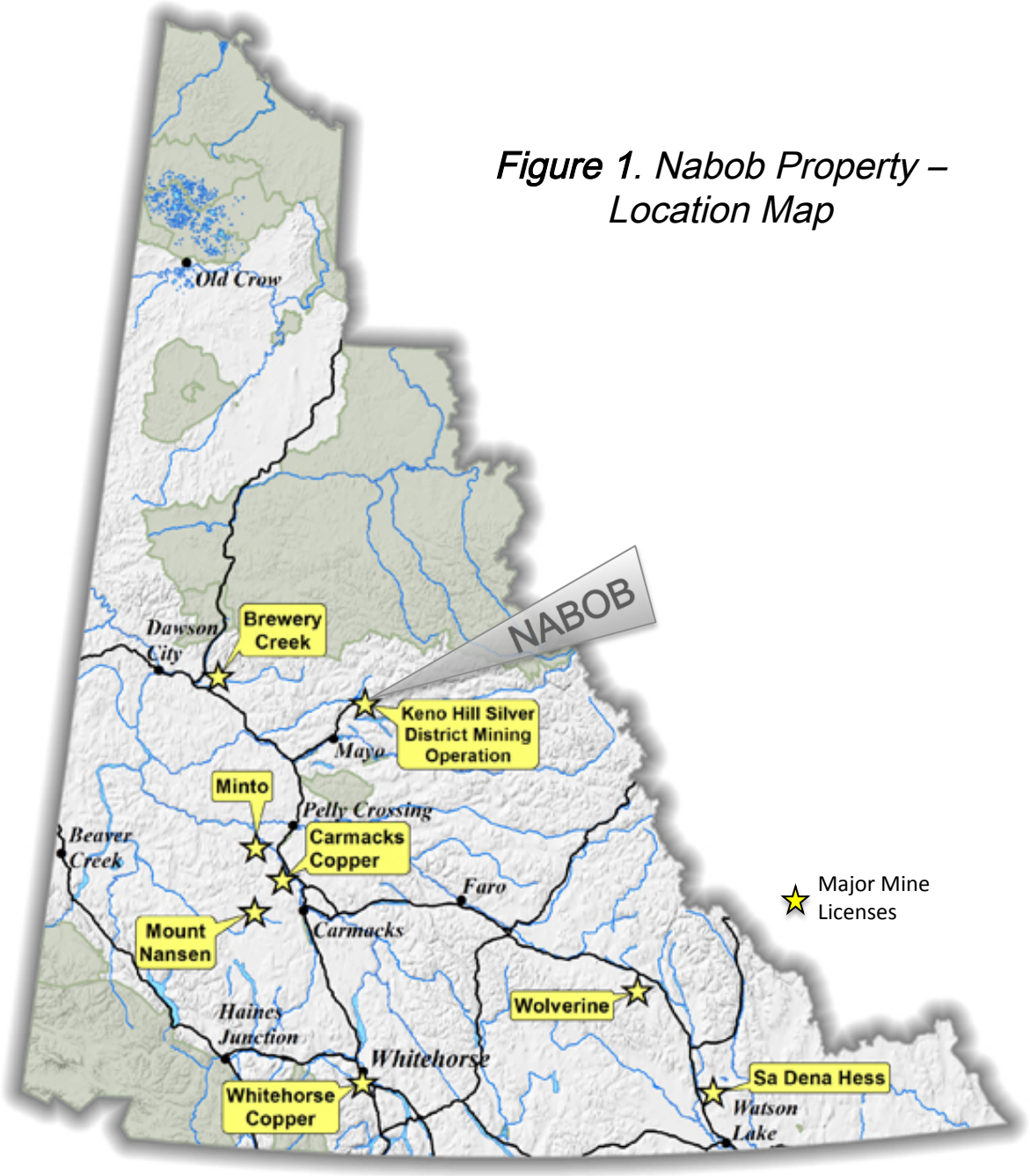


Figure 1. Nabob Property – Location Map

Environmental Socioeconomic Assessment Act (YESAA). To the author's knowledge, the property does not cover any environmental liabilities.

3 Accessibility, Local Resources, Infrastructure, Physiography & Climate

3.1 Access, Local Resources & Infrastructure

Access to the project is via Keno City, 110 kilometres east from the Klondike Highway (Yukon Highway 2) at Stewart Crossing, 354 km north of Whitehorse. The claim is accessible via a 2-wheel drive Signpost road from Keno City to the top of Keno Hill, from there via the four-wheel drive Silver Basin Gulch Trail (roughly 1 km from the Signpost; see ***Figure 2****. Nabob Property - Claim & Access Map*, page 6). The Signpost Road is not kept open during winter months. Keno City is the nearest village which has ~20 permanent inhabitants, a local Snack Bar, Motel/Café and campground open in the summer months. Mayo, ~60 km to the southwest (by road), is the nearest village with amenities and has approximately 400 residents[1]. Mayo has limited mechanical services, however, the village facilities include an airport, health center, grocery store, a police station, accommodation and a restaurants.

3.2 Physiography & Climate

The area of interest is located atop Keno Hill and is characterized by Cordilleran and montane glaciar features (Late Pleistocene, McConnell glaciation *ca.* >20 Ka). The Nabob claim is located at an elevation of 5600 feet between the Keno and Monument Hill summits on a gently sloping north-northwest slope of Keno Hill. The climate is characterized by continental subarctic conditions with average temperatures ranging from 16ºC (60.8ºF) in July to -25.7ºC (-14.3ºF) in January[1] and range from -40 in the winter to +25 in the summer with snow covering the ground for ~8 months of the year. As a result, exploration in the region typically begins in late May and ends in late September to early October. Keno Hill is part of the Gustavus Range in central Yukon with peaks up to 6700 feet and large alpine plateaus.

The site is above tree-line in sub-alpine vegetation which is dominated by shrubs and grasses. Outcrops and large talus bolder fields make up the majority of the ground cover. The sites are underlain by permafrost and surface runoff flows into Faro Gulch which is directly below the Signpost. Various small mammals such as voles, marmots and pikas are present and there is evidence of larger mammals such as moose, wolves, grizzly and black bears in the area.

[1] http://en.wikipedia.org/wiki/Mayo,_Yukon

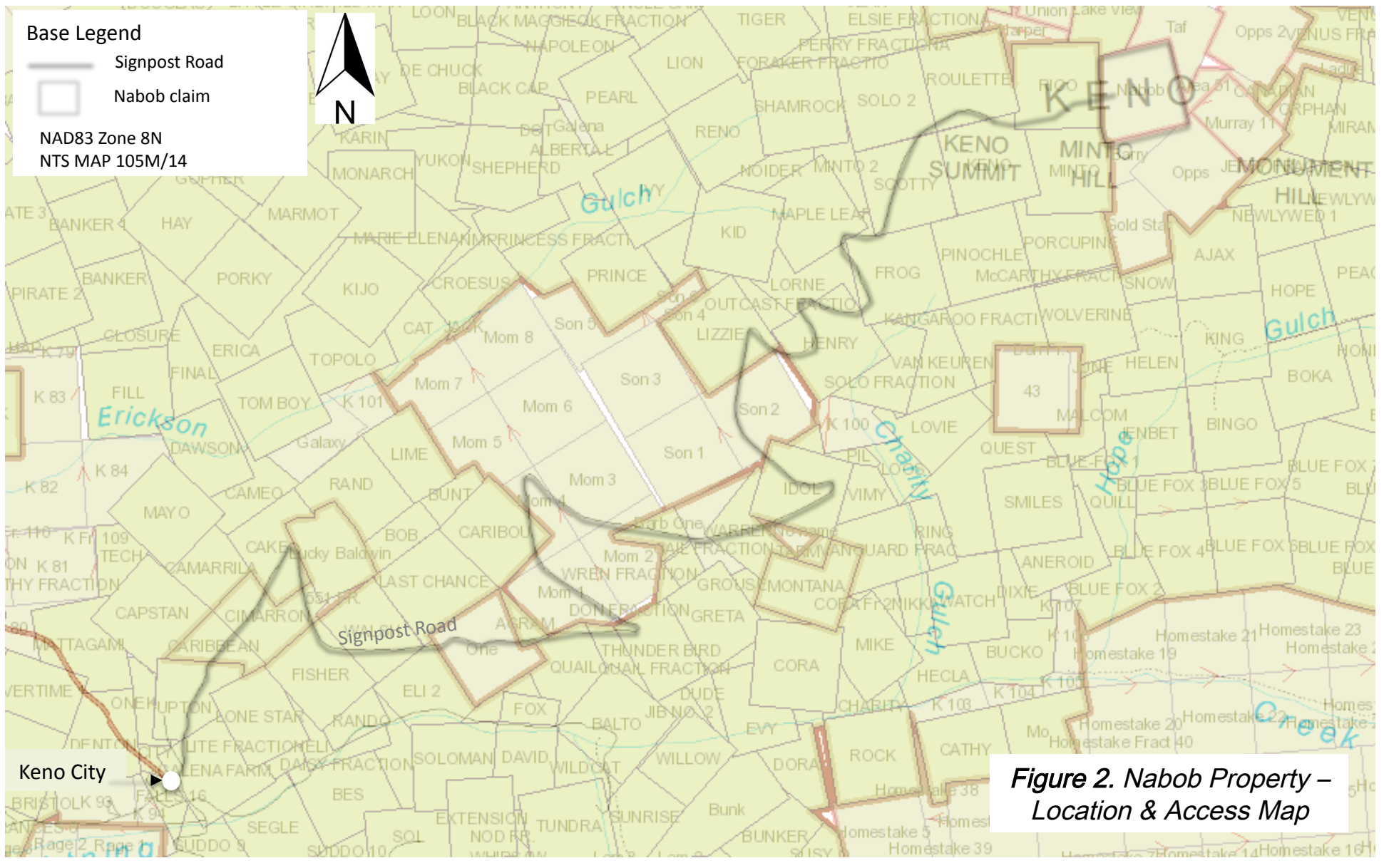


Figure 2. *Nabob Property – Location & Access Map*

4 Property History & Adjacent Claims

The property history summarized in ***Table 2.*** *Nabob Property – Work History* (below), is based upon information from the YGS's MINFILE Occurrence 105M 008[2] (COMSTOCK, Underground Past Producer; Deklerk (*compiler*), 2013*),* Mineral Industry Reports', and the 'Abstract of Record' obtained from the Mayo Mining Recorder's office. The locations of known vein-faults and Keno Hill summit geology, are shown in ***Figure 4.*** *Property Geology (from Wernecke, 1921;* refer to p. 13).

Table 2. *Nabob Property – Work History*

1919	First staked on August 4th 1919 as the Nabob claim (*12798*) by Thomas McKay whom partnered with Louis Bouvette.
1920s	An adit, pits, crosscut and drift were excavated (Environmental Services, Public Works & Government Services Canada, 2000).
1932	Restaked as the Nabob claim (*38739*) by John Ernest Pickering in April of 1932 – property saw little work and exchanged hands back and forth with Louis Bouvette.
1950	Claim acquired by Comstock Keno Mines Ltd. which drove a 62 m adit on the claim (Deklerk, 2013).
1971	In August 1971 United Keno Hill Mines Ltd. drilled 12 overburden holes – but did not intersect any significant anomalies (appeared to have drilled too far south?).
1990	Comstock Keno Hill Mines Ltd. drilled shallow blastholes (Deklerk, 2013).
1994	Comstock Keno Hill Mines carries out 1275 m^3 of trenching (Deklerk, 2013; name change to Thornbury Capital Corporation in 1995).
1999	Thornbury Capital Corporation lets Nabob claim lapse and Tom Casten restakes it on November 2nd 1999.
1999-2010	Tom Casten carries out minor hand trenching and prospecting on the Nabob claim. T. Casten passes away in 2010 and claim is transferred to his Estates (Insa Schultenkoetter).
2011	M. Bindig acquires Nabob claim and transfers to Keno Hill Exploration Corp. Conducted minor prospecting and rock sampling.

The Bellekeno Mine, located ~6 kilometres southwest of the Nabob Property operated by Alexco Resource Corp. (Alexco) has been actively mining the Bellekeno vein since December 2011; currently, due to low silver prices, Alexco has suspended winter operations

[2] http://data.geology.gov.yk.ca/Occurrence/13636

at the Bellekeno Mine[3]. Alexco has confirmed 3.8 million ounces of indicated silver resource and a further 1.2 million ounces of inferred silver[4].

The Keno 700 and Comstock occurrences, which are situated proximal to the Nabob claim near the top of Keno Hill, have produced several million ounces of silver. The Main Fault vein system (AKA- No. 6 vein) which is located on the Nabob claim has been high-graded and mined on the adjacent claims (discovery showings) which were staked in the 1920s.

5 Geological Setting

5.1 Regional Geology

The property is located on the 1:250 000 scale 'Mayo' (105M) map-sheet and 1:50 000 scale 'Keno Hill' map-sheet (105M/14). The most recent mapping of the area was completed by the YGS in conjunction with the GSC in 1996 by D.C. Murphy and C.F. Roots (Geoscience Map 1996-5, Geological Map of Keno Hill Area). In 1965, Boyle completed more detailed mapping of the mining camp showing many of the veins and cross-faults. Bond (1998) completed surficial geological mapping of the area, Geoscience Map 1998-4, Surficial Geology of Keno Hill.

The Keno Hill Silver District is situated on the northeastern side of the Tintina Trench within the northwestern Ominieca Belt in a band of regional-scale thrust faults — the Robert Service, Dawson and Tombstone Thrusts imbricate rocks of the Selwyn Basin and MacKenzie Platform (Blackburn, 2010, see ***Figure 3.***, following page). Selwyn Basin comprises an offshelf continental margin, deep-water shales and clastic wedges forming a basin bounded by platform carbonates to the northeast, the Tintina fault truncates the basin to the southwest (Pigage, 2006). The Nabob Project is situated within the pericratonic Selwyn Basin on the cratonic margin with Ancestral North America, within the Robert Service Thrust sheet, which occurs between grey quartzite and carbonaceous phyllite of the Keno Hill Quartzite and the muscovite-chlorite phyllite and gritty psammite of the Hyland Group (Roots, 1997).

The Yusezyu Formation of the Late Proterozoic to Cambrian Hyland Group sedimentary package is represented by a package of graphitic schist, quartz-mica schist, impure quartzite, muscovite-chlorite phyllite, and minor limestone (Boyle, 1965). This unit lies atop and in thrust fault contact with the Mississippian Keno Hill Quartzite, which is dominantly comprised of thick- and thin-bedded quartzites interbedded with thin beds of graphitic schist (Boyle, 1965). The quartzites are locally repeated by isoclinal folding, imbrication and possible internal, low angle thrusts (McTaggart, 1960; Roots, 1997). The upper contact of

[3] Alexco News Release (July 17th 2013) <http://www.alexcoresource.com/s/news.asp?ReportID=593371>
[4] Alexco News Release (June 28th 2012) <http://www.alexcoresource.com/s/news.asp?ReportID=539800>

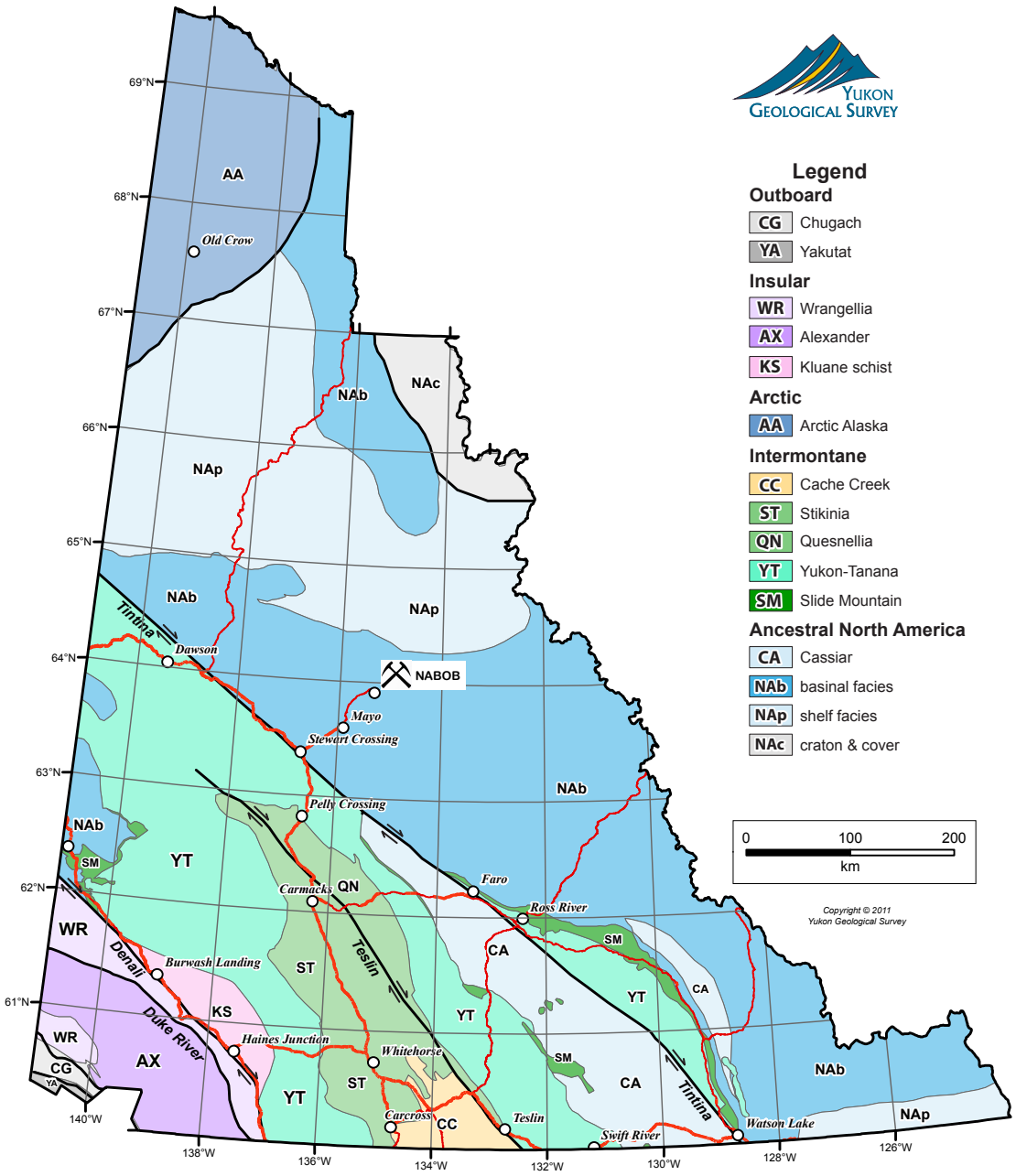


Figure 3. Regional Geology

the quartzites is marked by a Metavolcanic Unit of chloritic phyllite and quartz sericite schist and has been mapped west of the project area as intercalated with carbonaceous phyllite and dolomitic carbonate (Roots, 1997). Boyle (1965) collectively referred to the lower portion of the Yuseyzu Formation and the Metavolcanic Unit as the 'Upper Schist'. The Keno Hill Quartzite in turn lies conformably atop the 'Lower Schist', which is the local expression of the Devonian to Mississippian Earn Group rocks.

The Earn Group and Keno Hill Quartzite were in turn intruded by a number of Triassic gabbroic sills. Historically referred to as greenstones, the gabbro sills have undergone greenschist facies metamorphism and typically exhibit a lenticular shape due to post-intrusion deformation (Murphy, 1997; Roots, 1997).

All stratigraphic units and the mafic sills have been significantly deformed by the Jurassic to Cretaceous Robert Service Thrust, which moved the Late Proterozoic Hyland Group rocks over top of the Mississippian Keno Hill Quartzite and the underlying Devonian-Mississippian Earn Group rocks (Murphy, 1997). The Robert Service Thrust was in turn folded by a period of transpressional deformation creating the McQuesten Antiform, which plunges to the southwest (Mair *et al.*, 2006; Murphy, 1997). Three phases of folding are identified in the district; the two earliest phases consist of isoclinal folding with sub-horizontal, easterly or westerly trending fold axes and the latter phase consists of a sub-vertical axial plane, and moderate southeasterly trending and plunging fold axis. In the Keno Camp, the first phases of folding formed three structurally dismembered isoclinal folds of which the Basal Quartzite Member outlines two synforms at Monument and Caribou Hills, while the Nabob Prospect is located proximal to the synform on Monument Hill (refer to ***Figure 4.***, page 13). All of the aforementioned units have been intruded by a post-deformation suite of granodiorite to quartz monzonite intrusive rocks related to the Tombstone suite of early- to late-Cretaceous age. The medium-grained granodiorite Roop Lake stock is located 20km to the east (92.8±0.5 Ma U-Pb on titanite; Roots, 1997). A second suite of intrusive rocks, the McQuesten intrusions (64-67 Ma, U-Pb zircon and monazite; Murphy, 1997), locally exploited the existing structural weakness in the axis of the McQuesten antiform (Murphy, 1997).

Within the district up to four periods of faulting are recognized. The oldest fault set consists of south dipping foliation-parallel structures that developed contemporaneously with the first phase folding (D_1). The Robert Service Thrust Fault truncates the top of the Keno Hill Quartzite and sets the lower schist of the Yusezyu Formation of the Hyland Group above the Mississippian Sourdough Hill Member of the Keno Hill Quartzite. The mineralization in the Keno Hill district is hosted by a series of northeast trending pre- and syn- mineral "vein-faults" that display apparent left lateral normal displacement. These are commonly offset by high angle cross faults, low angle faults, and bedding faults. Most commonly these comprise northwest striking cross faults that show apparent right-lateral displacement.

Table 3. *Regional Geological Units – Legend*
(Gordey, S.P. and Makepeace, A.J. (compilers), 2003)

mKS	**mKS: SELWYN SUITE** plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y); equivalent felsic dykes (f); complete compositional gradation so that these designations are somewhat arbitrary g. resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspasr) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite **(Selwyn Suite)**
TrG	**TrG: GALENA SUITE** massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered equivalents) sills; minor occurrences of possible mid- to Late Paleozoic age
	DEVONIAN AND MISSISSIPPIAN
DME	**DME: EARN** complex assemblage of submarine fan and channel deposits (1), (5) within black siliceous shale and chert (2), (4) and including separated small occurrences of felsic volcanic rocks (3); barite common, and many occurrences of stratiform Pb-Zn 1. thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone **(Earn Gp., Portrait Lake and Prevost)** 2. silvery blue weathering black shale, argillite, cherty argillite and thin bedded chert; nodular and bedded barite; rare limestone **(Earn Gp., Portrait Lake and Prevost ; may locally include beds as old as Early Devonian)** 3. massive felsic to intermediate volcanic flows, tuffs and subvolcanic plug(s); locally highly altered; greenish chert and minor black slate; quartz eye quartz-sericite chlorite phyllite; local vesicular or amygdaloidal basalt, locally pillowed
	MISSISSIPPIAN
MK	**MK: KENO HILL** massive to thick bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated **(Keno Hill Quartzite)**
	UPPER PROTEROZOIC TO LOWER CAMBRIAN
PCH PCH2	**PCH: HYLAND** consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units; includes scattered mafic volcanic rocks (5) **(Hyland Gp.)** 1. thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble **(Hyland Gp., Yusezyu)** 2. grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) **(Hyland Gp., Algae Lake , limestone member of Yusezyu)** 4. quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units **(Hyland Gp., mostly(?) Yusezyu)**

The Elsa-Keno mining camp has been a major worldwide producer of silver from a series of sulphide-rich veins or vein-faults exploiting dilational zones related to sinistral deformation within the local strata. Productive veins occur dominantly within the Keno Hill Quartzite and to a lesser extent in the underlying Lower Schist, although the host structures do extend up across the Robert Service Thrust and into the structurally overlying Yusezyu Formation. To the south, the Robert Service Thrust Fault separates the Keno Hill Quartzite from the overthrust Upper Proterozoic Hyland Group comprising predominantly meta-sedimentary chlorite and quartz rich schist. Dominant ore minerals are galena, sphalerite, and tetrahedrite with siderite and/or quartz as gangue material (Boyle, 1965). Dominant orientation of the mineralized veins is roughly northeast-southwest, with a smaller number of cross-oriented vein-faults roughly perpendicular to the dominant structures (Boyle, 1965). Historically, a number of stratigraphic and structural conditions have been considered necessary for ore development along the vein-faults. The ore at the highly productive Hector Calumet mine developed where the vein-fault is both hosted by interlayered quartzites and graphitic schists high in the Keno Hill Quartzite and is cut by north-northwest trending, west dipping cross faults with apparent right lateral movement.

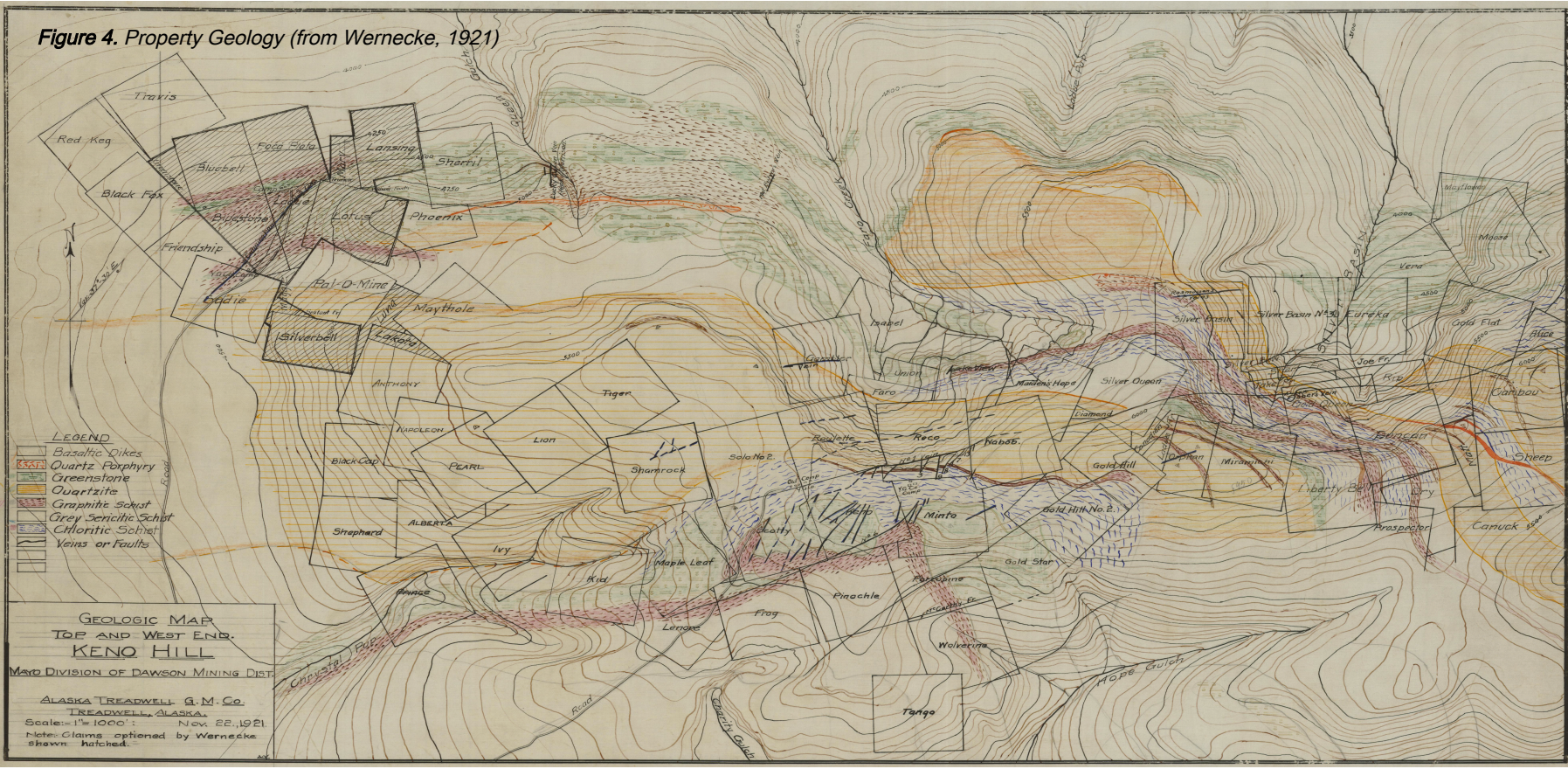
5.2 Property Geology

The local Nabob geology is characterized by the lower portion of the Mississippian Keno Hill Quartzite contact with the 'Lower Schist' (Earn Group carbonaceous phyllite; refer to following page for ***Figure 4***. *Property Geology (from Wernecke, 1921)*. The sequence was metamorphosed to greenschist-facies during the Cretaceous. The Basal Quartzite is up to 700 m-thick and comprises quartzite interbedded with minor graphitic phyllite, which is intruded by Triassic greenstone sills. On the Nabob claim, surface rock exposure is generally massive thick-bedded quartzite with local bedded graphitic ± phyllitic schist. Drilling however, intersected local greenstone (DDH NA-12-11; E0490190 / N7090874) and numerous holes intersected silicified (hornfelsed) quartzite at the footwall contact. As verified by KHEC's findings on Nabob, the Basal Quartzite and Triassic greenstone sills are the dominant hosts to the silver mineralization in the Keno Hill district – most of the productive lead-zinc-silver lodes are localized in the thick-bedded quartzites (Boyle, 1965; Ex: No. 9, Lucky Queen, Shamrock *etc.*); and on Keno Hill a rich number of ore shoots were mined (Boyle, 1965; Ex: Ladue-Sadie-Friendship & the No. 6 Vein proximal to 'Greenstone Knob', Minto Hill, east of Keno Summit).

5.3 Regional Metallogeny

The best-known and most productive silver vein camp in the Canadian portion of the Northern Cordillera is the Keno Hill District, which is Canada's second largest historical, primary producer of silver. Various mines within the district operated almost continuously from 1913 until 1989, when the operation closed due to low metal prices.

Figure 4. *Property Geology (from Wernecke, 1921)*



The Keno Hill District has produced a total of 669,013.4 kg of silver (214,035,599 troy ounces), 273,622,047 kg of lead and 153,198,383 kg of zinc (Yukon MINFILE occurrence 105M 001[10]). The District encompasses 16 important deposits (each produced at least 155,500 kg of silver) and 19 lesser deposits, all contained in a belt that is 21 km-long and 2 to 6.5 km-wide. Most of the production came from fissure veins (*i.e.*, vein faults) containing various mixtures of galena, tetrahedrite and sphalerite in siderite-rich gangue. Less common, but locally important silver minerals include pyragyrite, native silver, polybasite and stephanite. Pyrite is a relatively minor mineral in most deposits, usually occurring in the outer fringes of ore shoots.

Boyle (1965) succinctly describes the mineralization style as follows:

> *The vein faults occur in all types of rocks but differ in their internal nature where cutting through greenstones, quartzites, phyllites, and schists respectively. In most greenstones and all thick-bedded quartzites the vein faults are breccia zones or sheeted zones, or transitions between these two types; in a few greenstones they are shear zones and some chlorite schist is developed along them. In the schists, phyllites, and thin-bedded quartzites the vein faults are represented by narrow fractures, slips, crenulated zones, or narrow breccia zones.*
>
> *The breccia and sheeted zones, which constitute the vein faults in the greenstones and thick-bedded quartzites, range from 5-50 feet in width and can be traced with ease along strike and dip. […] The sheeted-zone type consists of rectinlinear slabs of quartzite or greenstone separated, in most occurrences, by small breccia- or gouge-filled fractures a fraction of an inch to a few inches wide. […] The lodes in the vein faults are localized structurally in three sites (1) at the junction of two or more vein faults, (2) at the junction of a vein fault and subsidiary fracture, and (3) in quartzites or greenstones at or near where a vein fault passes from these rocks into overlying schists, phyllites, or thin-bedded quartzites.*

5.3.1 Mineralization – Main Fault Zone Vein (AKA- No. 6 Vein)

As described by Boyle (1965) the vein faults are most commonly hosted by thick-bedded quartzites and competent greenstones where they consist of breccia or sheeted zones, or transitions in between. On the Nabob property the transitions in between these two types was observed. The Main Fault Zone Vein (*herein* MFZV) is consistently hosted in breccia bodies of thick-bedded quartzite ± massive (early, deformed) quartz veins. Additionally, the zone was often observed to be sheeted with numerous gouge-filled, 1-3” wide fractures. Generally, the MFZV is healed by rusty-brown, earthy, iron oxide (namely, hematite and occasionally limonite). Distal to the MFZV, fractures are more commonly filled with navy-

[10] Yukon Geological Survey <http://data.geology.gov.yk.ca/Occurrence/15013> (Accessed: Sept-30-2013).

grey-black, often metallic manganese oxide (massive, botryoidal, dendritic, and occasionally acicular pyrolusite).

Prior to this seasons work on the Nabob claim, KHEC was exploring for two veins which Wernecke mapped in 1921 for Alaska Treadwell Gold Mining Co. Wernecke (1921) mapped the No. 1 vein which extends onto the Keno, Rico and Nabob claims as a longitudinal vein with a small transverse vein intersection at the eastern (central) claim edge. The No. 1 longitudinal vein is often referred to as the Main Fault Zone, which cuts atop Keno Hill, and is oriented 060°-070°/020°-070°SE (strike/dip). The north-striking transverse vein Wernecke mapped was therein named the Nabob vein. However, after extensive drilling, prospecting, trenching and surface high-grading, it became apparent that the Main Fault Zone (No. 1. vein) and the transverse Nabob vein are likely stacked (ladder-vein-fault?) structures which are part of the same system and not two discrete structures. KHEC refers to this structure as the Main Fault Zone Vein (MFZV). As forementioned, the MFZV is characterized by a thick Quartzite-breccia body healed by FeO which commonly includes a quartz vein breccia and localized silver mineralization in the form of massive galena veins. Generally, the vein is characterized by massive galena, quartz ± acanthite, anglesite, malachite, chrysocolla with trace pyrargerite, brochantite, hemimorphite and is 'healed by' limonite-manganese oxides (refer to ***Photo-plate 1.***, below).



Photo-plate 1.
Mineralization at the 'Cliff Trench' (E490050, N7090823, NAD 83 Zone 8N, 060º/020-065ºSE).

The vein generally exhibits a consistent and traceable orientation, however, notable change in strike was observed in the Main Trench (E0490204/N7090883 to E0490223/N7090901). The Main Trench exposed massive, soft and crumbly (but not necessarily gouged), intensely iron-oxide altered, blood red-brown rock which was otherwise non-descript but

was found within massive quartzite. Samples collected from this zone assayed up to 0.25 oz/t gold and 160 oz/t silver however no visible mineralization was observed.

6 2012 Exploration Program

From July until early September 2012, KHEC and Partners 'H. Coyne & Sons Ltd.' completed a five-component program on the Nabob claim. The project commenced with 1.7 line-kilometres of SC3DIP (Structurally Controlled 3D Induced Polarization geophysical survey) performed by Aurora Geosciences Ltd. Following the survey, 17 diamond drill holes were drilled from 9 different collars which targeted the surface and near surface trace of the 'Main fault zone' and transverse 'Nabob vein'. During and post-drilling, 5 trenches (104.5 m^3 cubic yards) were completed by the applicant to target the extent of the Nabob vein system. For the duration of the project, approximately 7.5 tons of high-grade silver ore characterized by galena ± acanthite, anglesite, malachite, chrysocolla with trace pyrargerite, brochantite, hemimorphite was extracted from near-surface on the claim within previously disturbed ground. Following the work program, three of the five trenches were backfilled and reclaimed, and ~ 250 m of the Silver Basin Gulch Road was upgraded, excavated wall-rock material from the historic main trench and historic overburden piles were used to build up the existing road between 1-3', thereby partially reclaiming and re-contouring the slope and area around the Main Trench.

6.1 Structurally Controlled 3D Induced Polarization (SC3DIP) Survey

In July 2012, Aurora Geosciences Ltd. (AGL) conducted 1.7 line-km of SC3DIP across a 250 X 100 m area on the Nabob claim. The IP survey consisted of 3 lines of 10 pin expanding pole-dipole (EPLDP) data, gradient IP data and 3 cross-lines of 3DIP data (refer to Appendix III – AGL Field Report (SC3DIP Methodology & Interpretation). To maximize the effectiveness of the geophysical survey, physical properties (namely, chargeability and resistivity) of representative samples of Nabob ore-grade material from hand trenches and major rock types from the property were directly measured in AGL's physical properties lab. The array was designed by AGL particularily for Keno Hill-style mineralization – this array followed the presumed trace of the host vein, greatly increasing the survey efficiency. A short dipole spacing (10 m) was used, reflecting the small size of expected ore shoots. The depth of investigation is ~40-60 m in the central section of the survey area.

To accurately interpret the data, KHEC provided AGL with lithological and mineralization data from the Diamond Drilling, trenching and observations made during the mining program from the 2013 season.

Generally, the resistivity model showed that most of the survey area is underlain by a 10-30m thick resistive, non-chargeable, unit which is interpreted to represent the central quartzite. Results indicate that the areas of highest potential for mineralization along the

existing workings are west of Trench 2 and west of the Main Trench. Additionally, AGL recommended two drill targets. Drill target 1 is a chargeability anomaly SE of the surface expression of the MFZV in the hanging-wall and is located ~5m below surface. Drill target 2 is a discrete chargeability anomaly at ~10m depth, NW of the best ore zone in the main trench. Its is lower priority than drill target 1 because it is in the footwall.

The recovered models successfully mapped out the macro geology, predicting ~10-30m of highly resistive, non-chargeable quartzite overlying the conductive and chargeable lower schist. This model agrees with historic property geology and drill hole geology, however, some of the finer lithologic details observed in the core were beyond the resolution of the survey. Large structures dominated the resistivity and chargeability models. These structures have a similar orientation to known ore-controlling structures in the camp and were spatially related to the ore on the claim. Additionally, several prospective areas along the strike of the main vein were identified as being high priority. There is an excellent correlation between the low ratio, high zeta and ore in the Cliff Trench (where ~36 tons of high-grade ore was extracted in the 2012-2013 seasons) and the area around the Historic Main Trench (including the 'Adit Pit' NA-12-TR02).

6.2 Diamond Drilling

Following the geophysical survey, Kluane Drilling of Whitehorse drilled 17 NTW diamond drill holes from 9 different collars totalling 487.98 m (refer to ***Table 4.*** *Summary of Diamond Drilling*, following page. Most sites utilized the Silver Basin Gulch Road, however, some 10X10 m clearings were cut for pads. All collar locations are reported in UTM NAD83 Zone 8N. DDH NA-12-09 was drilled from the same pad as 7 & 8.

The overall geology observed in the core can be summarized as follows: the claim is overlain by a thick (≤50 m) package of massive quartzite that is locally hornfelsed (silicified) and locally bedded with beds ≤ 5 m-thick of graphitic schist (± phyllite, sericite schist). This competent unit hosts a breccia-zone (± early quartz vein breccia) that is healed by FeO ± repetitive gouge layers. This breccia body represent the Main Fault Zone which often includes local Ag-Pb ± Cu, Au vein mineralization comprising the Main Fault Zone Vein which, according to surface measurements, has an orientation of 060°-070°/020°-070°SE.

Interestingly, no major intersections were made during the drill program, despite the accurate drill targeting and near-surface mineralization observed. It was noted during the high-grading operation, that some drill holes narrowly missed the MFZV (see *Photo-plate 2.*, below). Other possible reasons for not intersecting appreciable mineralization include poor core-recovery, a common issue observed in camp due to the nature of the vein-faults being soft and frequently gouged. The best intercept obtained during the program was in DDH NA-12-02 which intersected 110.76 oz/t Ag, 22.37% Pb and 861 ppb (or 0.86 g/t) Au over 0.40 m at a depth of 24.21 m within the footwall zone (below the hanging wall brecciated

quartzite and a massive, early brecciated quartz vein). This drill hole targeted the MFZ structure below the Shaft Pit in the historic Main Trench).

Table 4. *Summary of Diamond Drilling*

Hole_ID	Easting_ NAD83	Northing _NAD83	Azimuth	Dip	EOH
NA-12-01	490138	7090841	340	-90	50.29
NA-12-02	490138	7090841	340	-45	30.48
NA-12-03	490138	7090841	340	-55	38.1
NA-12-04	490124	7090843	340	-65	26.82
NA-12-05	490112	7090840	340	-65	24.38
NA-12-06	490061	7090815	340	-65	45.72
NA-12-07	490152	7090868	160	-45	10.67
NA-12-08	490152	7090868	160	-60	10.67
NA-12-09*	490154	7090872	80	-45	13.72
NA-12-10	490282	7090900	350	-57	37.76
NA-12-11	490190	7090874	340	-59	33.53
NA-12-12	490190	7090874	285	-58	33.53
NA-12-13	490190	7090874	285	-75	22.25
NA-12-14	490190	7090874	310	-60	35.05
NA-12-15	490190	7090874	310	-90	19.81
NA-12-16	490187	7090857	285	-60	24.38
NA-12-17	490320	7090918	340	-60	33.53

During the 2013 program, a major (≤ 3 ft-thick) classic Keno 'ore shoot' was unearthed in the Cliff Trench a few metres west of the historic shaft, no intersection was made in drill hole NA-12-06 which attempted to test the vein proximal to the shaft and observed favourable surface structures.

AGL's SC3DIP survey highlights a drill target at depth below the historic 'Shaft Pit' (NA-12-TR02) – this target was not recognized while the drill was on the property, so it remains untested.

6.3 Trenching

Approximately 104.5 m^3 cubic yards of earth was moved representing 5 trenches on the claim (refer to ***Table 5.*** *Trench Summary*, following page). One trench was pre-existing and re-developed. All trench work was completed by a LC225 excavator and a D8 CAT. Three trenches were fully reclaimed immediately after examination, 1 trench was partially reclaimed and prepared for mining (NA-12-TR01*) and a test-pit was left open for further examination. A total of 104.5 m^3 was cut on the claim, of that 25.5 m^3 is still open (*i.e.*, not reclaimed). Historic trenches and previously disturbed ground was re-opened and

expanded in several areas to expose the vein to extract ore. These historic trenches did see further mining in the 2013 season.

Table 5. *Trench Summary*

Trench	Start E/N	End E/N	Length (m)	Azimuth	Dimensions	Reclaimed ?
Cliff Trench*	0490036/ 7090825	0490053/ 7090823	15.0	068	15 X 1.5 X 1 = 22.5m^3	No
Shaft Trench†	0490128/ 7090854	0490138/ 7090859	10.0	075	10 X 1.5 X 1 = 15 m^3	No
Test-pit†	0490183/ 7090874	N/A	3.0	000	Test-hole: 3 X 2 X 1 = 6 m^3	No
NA-12-TR01	0490224 / 7090903	0490233 / 7090907	11.0	073	11 X 1.5 X 1 = 16.5 m^3	Partially
NA-12-TR02 (AKA- Adit Pit)	0490231/ 7090913	N/A	1.0	N/A	Test-hole 2 X 3 X 1.5m = 9 m^3	No
NA-12-TR03	0490224/70 90934	0490253/ 7090940	28.8	256	29 X 1.5 X 1 = 43 m^3	Yes
NA-12-TR04	0490287/ 7090935	0490293/ 7090921	15.0	339	15 X 1.5 X 1 = 22.5 m^3	Yes
NA-12-TR05	0490295/ 7090940	0490287/ 7090935	9.0	234	9 X 1/5 X 1 = 13.5 m^3	Yes
					TOTAL m^3 CUT = TOTAL m^3 RECLAIMED =	**148 m^3 79 m^3**

*Previously disturbed ground – location of a historic (timbered) shaft.
†Earthworks entirely within Historic Main Trench disturbance.
NB: All trenches numbered NA-12-TR# are new trenches cut in previously undisturbed ground.

6.4 Surface High-grading

The hoe was used to re-expose the vein in the Historic Main and Cliff Trenches[11]. The 'Shaft Pit' is located at the western edge of the Historic Main Trench - this area was the primary focus of high-grading later in the season and ~6.5 tons of Ag-Pb ore was extracted. Another ton was collected near an old shaft in the Cliff Trench. By season end, the Adit Pit, which is located on the eastern edge of the disturbed area around the Historic Main Trench, was

[11] At present, the Historic Main Trench includes the NA-13-TR02, 03 & 04. The Shaft Pit refers to NA-13-TR02 and the Adit Pit refers to NA-13-TR04 which are part of the west and east ends (respectively) of the disturbed area surrounding Historic Main Trench. The Cliff Trench refers to NA-13-TR01.

explored and several hundred pounds of ore was extracted; this was left open and became one of the main targets during the 2013 program.

During the high-grading, several rock samples were collected to test grade and thus implement grade-control. Numerous rocks which appeared barren of sulphide reported highly anomalous silver and gold numbers. In particular, the Main Trench exposed massive, soft and crumbly (but not necessarily gouged), intensely iron-oxide altered, blood red-brown rock which was otherwise non-descript but was found within massive quartzite. Samples collected from this zone assayed up to 0.25 oz/t gold and 160 oz/t silver, however no visible mineralization was observed. At NA-12-TR04 (eastern edge of the Historic Main Trench disturbance), yellow, arsenopyrite-bearing vein material with minor bleb-galena, was exposed. The vein in this location is hosted at the contact of competent quartzite and schist. The vein here, utilized the same structure as the early, deformed, (brecciated) massive quartz vein and has some of this country rock material within it. This ore was nicknamed the 'Kryptonite' ore and is yet to be assayed, however, ~1 ton was collected and set aside during the 2013 program.

6.5 Road Upgrades & Reclamation Activities

Approximately 50 m of new access road was built to access drill sites – half of which was reclaimed during the 2013 field season. Approximately 250 m of the Silver Basin Gulch Road was upgraded, excavated wall-rock material from the historic main trench and historic overburden piles were used to build up the existing road between 1-3', thereby partially reclaiming and re-contouring the slope and area around the main trench.

7 Sampling

7.1 Sampling Method & Approach

Collection of rock samples on the property during the 2012 field season was completed by KHEC who cohered to industry best practices for sample collection and handling of rock samples. The GPS location of the sample site is recorded with a Garmin GPS Map 76cx device in UTM NAD 83 format, and the waypoint is labelled with the project name and the sample identification number. Whenever possible, KHEC retained a rep of each sample submitted for analysis – these samples are stored in Keno at KHEC.

KHEC completed the collection of core samples from the drill core during the 2012 program and employed a rigorous QA/QC protocol on all aspects of sampling and analytical procedure including insertion of blank, duplicate and standard reference samples. Drill core is checked, logged, marked for sampling and split in half whereby half is sent for analysis and half is kept for future reference. Drill core and rock samples were shipped to ISO

Certified (certificate number FM 63007) ACME Labs at Whitehorse, Yukon for preparation, and are shipped to Vancouver, British Columbia to be analyzed.

7.2 Sample Preparation, Analyses and Security

All rock samples (grab, core etc.) are prepared and analyzed with the same techniques – 500g of rock is crushed, split and pulverized to 200 mesh, then analyzed with a 1:1:1 Aqua-regia digestion ICP-MS a sub-sample is analyzed via 4-Acid digestion and Lead collection fire assay fusion with a gravitational finish.

Core samples were marked in the boxes during logging with individually numbered, duplicate sample tags supplied by ACME. One duplicate tag was stapled to the core box and the start of a sample run. All sample runs were also marked with yellow china marker on the boxes.

Core samples were obtained by core splitter, taking roughly ½ for the sample and leaving roughly ½ for permanent record in the core box. Core was oriented in the boxes so cuts were uniform relative to predominant foliation and vein orientations. All samples were placed in plastic bags with the second duplicate sample tag, sealed securely with zap-straps, bagged in rice bags and shipped via KHEC. ACME is an independent commercial assay lab. The core and samples were under the constant supervision of a company geologist prior to delivery to ACME.

Duplicate, standard and blank samples were inserted into the assay stream during the sampling. A total of 6 QAQC samples were inserted into the sample shipment by the Author (1 duplicate, 2 standard and 3 blanks). All samples were collected and shipped to ACME. These protocols will be implemented should future drill programs on the project arise, whereby QAQC samples should be sent to the primary laboratory and selected mineralized pulps should be re-assayed at a secondary, independent laboratory.

8 Conclusions

KHEC and H. Coyne & Sons Ltd. completed a multi-phase exploration and mining program on the Nabob claim during the 2012 field season. Combining the 3D geophysics, drilling, trenching and rock sampling – identified that the MFZV (AKA- No. 6 Vein) is a strong structure that is relatively easy to follow along strike.

Mineralized vein material exhibits highly variable geochemistry and samples indicate grades ranging from ~50 to 500 oz/t silver. The average grade from the samples collected representing the ore collected report ~200 oz/t silver. Bostock (1957) reports that ‘ a good showing of vein material occurs on the dump [pile at the Cliff Pit] and grab samples taken by

the owners [T. McKay & A. Erickson] assayed […] run from 100-1000 ounces in silver. No samples collected to date have reported more than 504 oz/t Ag, however, 2013 samples have not been assayed. However, the samples collected during the 2013 program represent a whole new suite of vein material and it is possible these will report higher silver grades.

9 Budget Summary

Numerous exploration techniques were employed during the 2012 work program on the Nabob claim – this greatly exceeds the maximum allowable assessment costs filed with the Mayo Mining Recorder and as a result only the SC3DIP program expenditures were filed at a cost of $20,905.[50].

10 Recommendations for Future Work

To date 55 tons of high-grade (estimated ≥200 oz/t Ag) and 16.5 tons of low-grade (estimated 40-100 oz/t Ag) have been collected on the claim[12]. Surface mining over the past two seasons has proved economical and as a result this venture is encouraged to continue high-grading on the claim. Continued rock sampling of mined ore should be completed to keep grade-control (geochemical procedure and analysis should remain consistent and has proven effective).

Deeper, currently un-tested, drill targets high-lighted by the Aurora Geosciences geophysical survey, warrant exploration in the future, however, at the present time, the author recommends keeping expenditures down until the ore is sold.

[12] To date, the ore has not been crushed and systematically assayed – these assay numbers are estimates based on rock samples collected over the past three years.

11 Statement of Qualifications

I, Lauren R. Blackburn of PO Box 28, Keno City, Yukon, am an employee of *Keno Hill Exploration Corp*.

I am a graduate of the University Alberta with a BSc. Specialization in Geology. I have worked in Yukon Territory and Mexico since 2006 and in northern Canada (NU, NWT, YT, northern BC) since 2005.

I consent to the use of this report by KHEC & H. Coyne & Sons Ltd. for such assessment and/or regulatory and financing purposes deemed necessary.

Dated at Keno City, Yukon Territory this 5th day of May 2014.



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13 Appendices

Appendix I *– 2012 Diamond Drill (DDH) Logs*

LOGGED ON MAY-27-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

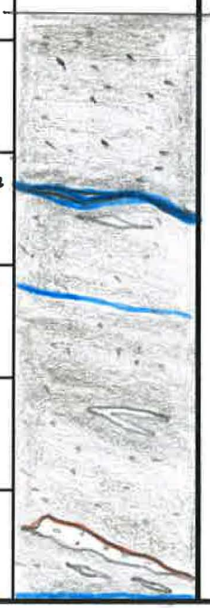
DRILL HOLE NA-12-01 **PAGE:** 1 **OF** 5

PROPERTY	NABOB	START DATE	AUG-20-2012	DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East	0490138	FINISH DATE	AUG-21-2012	DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North	7090841	CASING	1.5m	NIGHT CREW	N/A	CORE SIZE	NTW
ELEVATION	1720m	EOH =	50.29m	DRILL TYPE	KD #1	HOLE SURVEY	

DEPTH (m)	0m		
DIP	-90°		
AZM (Mag N)	340°		
AZM (True N)	008°		

PURPOSE DRILLED TO TEST THE MAIN FAULT VN IN (OLD) MAIN TRENCH @ 090° — NO SAMPLES TAKEN → JUST 'GRAZED' MAIN FAULT STRUCTURE (∴ NEXT TWO HOLES ARE FROM SAME PAD AND ON AN ∡° ⇒ BOTH INTERSECTED).

NOTES NO MAJOR MAIN FAULT INTERSECTION — NO ECONOMIC MINERALIZATION. MAIN FAULT ZONE IS REPRESENTED BY A SHORT QUARTZITE BRX (HEALED BY FED ± HEM FLUIDS). NO INTENSE HORNFELSED QUARTZITE BUT LOCALLY QUARTZITE LOOKS ALMOST GRANITIC AND IS INT. QTZ VEINED.

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 1.5m.
1.5m														1.5m
2														MASSIVE, BLUE-GREY, COMPETANT, SILICEOUS QUARTZITE W LOCAL GRAPH SCHIST HORIZONS AND A SERIES OF QTZ ± SER VEINS.
4	4.74-4.92													@ 4.74-4.92m IS GRAPH. SCHIST HORIZON.
6		MASSIVE QUARTZITE						NONE		F=035° RTCA			NONE	
8												070° RTCA		@ 9.34m IS 4cm THICK, VUGGY QTZ + SER VEIN THAT IS 070° RTCA ∡.
10			11.17-12.27	MASS TO THIN QTZ ± SER VEINS LOCALLY VUGGY	15%	QTZ ± SER	VUGGY	NONE				~090° (//) +030° RTCA		FROM 11.17-12.27m IS A SERIES OF FOL // AND STEEP ∡ QTZ ± SER VEINS (STEEP ∡° ARE > MASS)
12														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-01

PROPERTY	NABOB	START DATE		DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East		FINISH DATE		DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North		CASING		NIGHT CREW	N/A	CORE SIZE	
ELEVATION		EOH =		DRILL TYPE		HOLE SURVEY	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12 – 12.96m		MASSIVE QUARTZITE						NONE		E=030° RTEA			NONE	REL. SHARP L. CONTACT MARKED BY QTZ± SER. FOL // VEINLET + THIN (<1.5cm) ALT GRIT BED. 12.96
14		PHYLLITIC-GRAPHITIC SCHIST	LOCAL, THIN FEO ALT. WCCY QTZ + FEO VNS					NONE		SMALL, TIGHT SMEARS + FOLDS	HIGHLY DEFORMED, SMEARED/ SHEARED BEDS		NONE	PHYL/GRAP SCHIST W̄ QTZ → PARTINGS + INTERCALATIONS OF FEO ± HEM ALT GRIT AND > GRAPHITIC BEDS, INC. IN THICKNESS DOWN HOLE. HIGHLY DEFORMED/STRAINED W̄ STRING OUT QUARTZ ± SER VNS.
16 – 16.76										030°F RTEA				SHARP, GRAPHITIC RICH BEDS W̄ LOWER QTZ/SE 16.76m
18		MASSIVE QUARTZITE												QUARTZITE W̄ INTERBEDS OF GRIT AND → PHYLLITIC - LOCALLY GRAPHITIC LAYERS DOWNHOLE. GRITS @ 17.07 - 17.19m, 18.95 - 19.00, 19.88m - 19.98m
20					3% QTZ ± SER, FEO VEINS (WCCY)			NONE		040°=F RTEA	FOLDS		NONE	FOLDS @~21.40m IS GRAPHITE BED (~4cm).
22														
24														@~24.05 IS ~5cm THICK GRAPHITE BED.

QTZ QUARTZ
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V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-01 **PAGE:** 3 **OF** 5

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24 — 24.38m		GRAPHITE-SERICITE SCHIST			4%	QTZ + FCO	VUGGY, DEF.	NONE - VUGGY, DEF, STRUNG OUT QTZ ± FCO, SER VEINS		FCO40 I RTCA	S FOLD			GRADATIONAL L.C. — 24.38m GRAPHITE-SERICITE SCHIST - FOLDED + HIGHLY STRAINED W STRUNG OUT QTZ + SER VEINS. LOCALLY MYLONITIED.
26		MASSIVE QUARTZITE W INTERBEDS OF ALT GRIT + GRAPH. SCHIST)						NONE			S FOLD		NONE	26.32m BLUE-GREY, COMPETENT MASSIVE QUARTZITE W LOCAL INTERBEDS OF FCO, ± HEM, ± SER GRIT AND HIGHLY STRAINED GRAPHITIC SCHIST.
28														
30														
32														From 31.08-31.18 IS FCO ± HEM ALT GRIT. From 31.68-32.00 m IS ↑ DEF, S-FOLDED GRAPHITE SCHIST. From 32.12-32.27m IS SER ± HEM ALT GRIT
34														From 33.33-33.45m IS GRAPHITIC SED.
		SERICITE ALT		35-35.30m		PYRITE	DISS + CLOTS	1-2% VFG-FG PYR	1-2%					LOWER CONTACT IS LOCALLY HORNFELSED/ SHARNIFIED W ↑ QTZ + SER + FCO AND HAS 1-2% DISS + CLOT PYR.
36 — 35.82		MASS. QTZ + SER VEIN	↑		90%		DISS	PYR ± AG-SULPHO?	TR			// W RTCA	↓	MASS. NEAR C.A. // QTZ + SER + FCO-HEM VEIN. VUGGY, BLEEDS OUT THROUGH BEDS OF COUNTRY ROCK. — 35.82

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 01 **PAGE:** 4 **OF** 5

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
36		MASS. VUGGY QUARTZ-SER VEINING W/IN QUARTZITE	65% OF CORE = VEIN.		TR	PYR UNK-ARG +FEO	MASS VNS	TRACE DISSEM. + CUBIC CUT PYR WITHIN CAN ALSO COMPRISE VEINLETS. TR AG+FEO VEINLETS (GALFEO?)	TR		VEIN FAULTING	NEAR // W REA (i.e. 030°)	1.0m	OVERALL VEINING COMPRISES ~65% OF THE ROCK WHICH IS MASS. QUARTZITE W AN ABUNDANCE OF TOL // QUARTZ±SER VEINS WHICH ARE COMMONLY PULL-APART VNS AND ARE VUGGY.
38														
39.01m														39.01m
40		BRX									BRX Z-FOLD			MASS. QUARTZITE W SHORT BRX ZONE MARKED BY FEO ± HEM FROM ~40.12m - 40.53m, AND FROM 40.73-41.03m IS 30cm GRAPHITIC BED W SMALL Z-FOLDS
42		MASSIVE QUARTZITE	42.67m - 42.96m		3%		EUH	EUH., VUGGY, STEEP QTZ + FEO + HEM VEINLETS					NONE	FROM 42.86-43.07m IS FEO ALT GRIT BED.
44														FROM 44.82-45.00m IS FEO ALT GRIT BED.
46														
48										F=045° I				

QTZ QUARTZ
GAL GALENA
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LIM LIMONITE

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MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-01

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

		GEOLOGY									STRUCTURE				
	METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
48			MASSIVE QUARTZITE						NONE					NONE	LOCAL FED ALT FXS FULT V. COMPLEXANT OVERALL. FROM 48.97 – 49.12m IS 1.50m, SPECKLED, TIGER TEXT. HORNFELSED BED
50	50.29	EOH													EOH = 50.29m (TOTAL OF 14 BOXES) 50.29m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

LOGGED ON MAY-25-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-02 **PAGE:** 1 **OF** 3

PROPERTY	NABOB	**START DATE**	AUG-22-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East	0490138	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North	7090841	**CASING**	4.57m	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (15')
ELEVATION	1720m	**EOH =**	30.48m	**DRILL TYPE**	K2000	**HOLE SURVEY**	

DEPTH (m)	0m		
DIP	-45°		
AZM (Mag N)	340°		
AZM (True N)	008°		

PURPOSE TO ATTEMPT TO HIT THE MAIN FAULT VEIN STRUCTURE @ AN ∠° (BELOW THE MAIN SHAFT IN THE OLD TRENCH).

NOTES NICE INTERSECTION OF THE MAIN FAULT VEIN — A QUARTZ VEIN BRX + MASSIVE F-G GALENA ± TET-SULPHOSALTS — SURROUNDED BY AN (U.C.) QTZ-VEIN-QUARTZITE BRX AND (L.CONTACT) BRX QUARTZITE TREATED BY FED. NICE WIDE MAIN FAULT STRUCTURE.

GEOLOGY										STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														0-3.90m = OVB
2														
4 — 3.90	GOU	MASSIVE QUARTZITE						NONE			47G		NONE	3.90m 3.90m-13.29m: MASSIVE QUARTZITE THAT IS LOCALLY BEDDED W MULTIPLE, SMALL GOUGE ZONES> SERICITE GOUGE FROM 4.29-4.42m & 5.11-5.36m & GRAPHITIC GOUGE FROM 5.36-5.74m, SERICITE GOUGE FROM 6.39-7.09m & 8.18-8.28m
6	GOU										47G			
	GOU										47G			
8	GOU									020° ∠ F	47G			QUARTZITE OVERALL IS COMPETANT, BLUE-GREY W FOL // QTZ ± FED ± SER PHL APART VEINLETS, AND MnO, HEM ± FED FXS
10														
12	GOU									020° ∠ F	47G			FROM 11.82-12.54m ARE INTERCALATIONS OF GRAPHITIC SCHIST W QTZ VN AGGS THAT SHOW DEXTRAL SHEAR.

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-02 **PAGE:** 2 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12 – 13.29		MASSIVE QUARTZITE	↕	NONE	10%	QTZ + SER ± FeO	MASS	NONE		030° ⊥ F	↳ GOU		NONE	(TR) CLOTS OF PYR IN SHEARED QTZ VEINLETS. GRAD. L CONTACT W ↑ IN QTZ VEINS + SER ± FeO THAT ARE > MASSIVE TOWARDS LC.
13.29 – 14.31		SERICITE SCHIST + GRIT		NONE				NONE		030° ⊥ F	↳ GOU ↳ F		NONE	FeO ALT SERICITIC SCHIST W FeO ALT GRIT LAYER FROM 13.54 – 13.74m.
14.31 – 19.81		MASSIVE QUARTZITE		NONE				NONE		020° ⊥ F	↳ GRAPH GOU		NONE	14.31m – 19.81m: MASSIVE QUARTZITE THAT IS LOCALLY BEDDED W MULTIPLE LAYERS OF GRIT ± FeO ALT FROM: 15.17 – 15.26m, 15.37 – 15.45m, 18.14 – 18.36m + 19.54 – 19.60m, TWO MASS. QUARTZ VEINS + SER ± FeO, VUGGY TOWARDS UPPER CONTACT. SERICITIC GOUGE FROM 16.66 – 16.71m. FROM 19.31 – 19.40m IS A GRAPHITIC SHEAR.
19.81 – 20.74		BRX QUARTZITE MAIN FAULT				MnO/HEM	MASS VEINLETS	MnO + HEM VEINLETS	2%		↳		NONE	19.81 – 20.74m: MAIN FAULT BROKEN UP QUARTZITE W SHEARED PHYLLITIC BEDS, SECTIONS OF GOUGE THROUGHOUT.
20.74 – 21.24		QTZ-VN-QTZITE BRX											NONE	20.74 – 21.24m: QUARTZITE – QTZ VN BRX HEALED BY FeO
21.24 – 21.64		MAIN FAULT VEIN	↕	↕	100%	GAL + UNK	MASS + VN	AG-SULPHO + MnO/HEM					616004	21.24 – 21.64m: MAIN FAULT (GAL + QTZ VN) VEIN
21.64 – 24.64		FeO HEALED QUARTZITE	22.12 – 22.30m	→ " "	100%	VFG GAL + AG-MIN ± PYRA.?	MASS	BAND/VN OF VFG GAL ± AG SULPHO ± PYRA?	80%		↳ FAULT		616005 21.64 – 23.14 616006 23.14 – 24.64m	BRECCIATED QUARTZITE W LOCAL PHYLLITIC PARTINGS TOWARDS U CONTACT. W ↑ DEPTH FeO 'HEALING' ↑.

MAIN FAULT

MAIN FAULT ZONE →

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 02 **PAGE:** 3 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

	GEOLOGY									STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24													615006	ROCK IS GRADUALLY LESS BROKEN UP TOWARDS L.C WHICH IS SHARP @ SEC+LIM GOUGE. MAIN FAULT ZN.
25.52	BRX	FGD HEATED QUARTZITE BRX						?R PYRARGYRITE? IN FXS?	TR	BRX	FAULT ZONE			FGD HEALS PULL APART STRUCTURES
26		SERICITIC SCHIST								040° ⊥ RCA	4" GOUGE			25.52 SERICITE SCHIST + LIMITED STACKS OUT IN 14cm GOUGE, GRADATIONAL L.CONTACT.
26.24		HORNFELSED QUARTZITE			2%	MnO+ HEM+ FGD	VEINLET	VEINLET - BRX TOWARDS EOH OR MnO+HEM±FGD	2%			040° ⊥ RCA		26.24 HORNFELSED QUARTZITE + MnO, HEM FGD LINED FXS. LOCAL TIGER TEXTURE. PINK ORANGE - BLUE GREY IN COLOUR. ↑ MnO - HEM HEALING LOCAL BRXTION TOWARDS EOH.
28														
28.53														28.53 EOH @ 28.53m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

LOGGED ON MAY-24-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-03 **PAGE:** 1 **OF** 4

PROPERTY	NABOB	**START DATE**	AUG-23-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn	**DEPTH (m)**	0m
UTM East	0490138	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn	**DIP**	-55
UTM North	7090841	**CASING**	101 (3.05m)	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (@101)	**AZM** (Mag N)	340
ELEVATION	1720m	**EOH =**	38.10	**DRILL TYPE**	KD#1	**HOLE SURVEY**		**AZM** (True N)	008

PURPOSE TO FOLLOW UP ON RESULTS FROM NA-12-02 → SAME SET-UP (NA-12-01→03). TO FOLLOW UP E/W DIPS @ 095° + 075° AND TARGET THE MAIN FAULT BELOW THE MAIN SHAFT IN THE OLD TRENCH.

NOTES DECIDED FEO-ALT INTRUSIVE(?) WAS ACTUALLY FEO ALT GRITTY SED DUE TO INCL. SCHIST FRAGMENTS → TYPICALLY GRAPHITIC SERICITIC SCHIST.

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
														(0 - 3.14m = OVB)
3.14		MASS. QTZITE; GRAPH. GOUGE; GRAPH GOUGE; GRAPH GOUGE; GRAPH. GOUGE	QTZ±CC FEO		~3% OVERALL			NONE		F 10° RTCA	↔G ↔G ↔G		NONE	3.14-12.5m: MASSIVE QUARTZITE W LOCAL BEDDING EVIDENT. MULTIPLE GRAPHITIC GOUGE UNITS @ 4.55m-5.35m, 6.28m-6.63m, 10.83-10.95m, 11.17-11.33m. LOCALLY THIN (<1cm THICK) VUGGY QTZ±CC, FEO VEINLETS THAT ARE ROUGHLY ⊥ TO CORE AXIS → APPEAR TO BE RUN-APART VEINS - ~3% OVER ENTIRE UNIT. FOLIATION/ BEDDING IS N ⊥ TO CA - RELATIVE DIP (~010°) RTCA
														INCREASING FEO LINED FXS TOWARDS END OF UNIT.

LEGEND

- BEDDED QUARTZITE
- GRAPHITIC SCHIST
- SERICITIC SCHIST
- FEO ALT, 'ROTTEN' GRITTY SED (QTZITE?)
- MASSIVE QUARTZITE
- FEO ALT
- HORNFELSED QTZITE (SiO_2↑)

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
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C CONTACT
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BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

(LOGGED ON MAY-24-2013)

DRILL HOLE NA-12-03 **PAGE:** 2 **OF** 4

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12.51		QTZITE						NONE					NONE	↑ SCHIST PARTINGS (GRAD. CONTACT) + FeO FXS — 12.51m
13.81		FeO ALT SER. SCHIST.	NONE					NONE		F ⊥ 010° RTCA			NONE	FeO ALT SERICITIC SCHIST BOUND ON BTM END BY FeO ALT GRITTY SED (QTZITE?) @ 12.51-12.65m + 13.22-13.54m — 13.81m
		GRAPHITIC GOUGE	13.81m - 15.20m	QTZ ±CC +FeO	4%			NONE			GOUGE ZONE	4% DEF QTZ + FeO ±CC		FROM 13.81-21.06m MASS. (LOCAL BED) QTZITE. VUGGY QTZ + FeO ± CC VEINS, 4%. @ ~15m IS A DEXTRALLY SHEARED QTZ VEIN EYE. FROM 15.54-15.92m IS GRAPHITIC GOUGE ZN. OVERALL QUARTZITE IS DARK GREY w/ LOCAL, THIN (<2cm) SCHISTOSE PARTINGS. FROM 18.99-19.04m IS FeO ALT QTZ BAND. @ 19.15-19.20m + 19.40-19.52m ARE 2 BANDS OF SERICITIC SCHIST w/ ↑ QTZ VNS THAT ARE DEXTRALLY SHEARED WRT CA. LOWER CONTACT w/ QTZ VEIN IS FeO ALT. METASED (QTZITE) GRAD. FROM 20.78-21.06m.
		MASSIVE TO LOCALLY BED. QUARTZITE								F ⊥ 005° RTCA	↓ F			
21.06		FeO ALT QTZITE												— 21.06
		DEF QTZ VN	21.06-21.86 m		100%	UNK IN VNS + FeO	MASS	UNK - BLUE-BLACK SULPH + FeO	<1%			QTZ VN	615001 ↓	DEF. QTZ VN (MASS.) + FeO AND IS VUGGY FROM 21.06-21.86 (80cm SAMPLE) — 21.86
22.50		BEDDED QTZITE w/ SERIC. PARTINGS + GOU	22.20-22.25m		1-2%	" "	" "	UNK, BLACK MASSIVE NON DESCRIPT MIN	TR	F ⊥ 025° RTCA	↓ GOU	NONE	NONE	BEDDED QUARTZITE w/ SERICITIC PARTINGS + CENTER IS SERICITIC GOUGE ZN FROM 22.11-22.18m — 22.50
		MAIN FT. VN	22.50-23.00m ↕	↕	40% ⊕	AG-MINS + "	" "	" " + AG BLEBS	10%		↓ F	↕	615002	MAIN F. VEIN/HEALED QTZ VEIN BRX + ↑ FeO VUGGY w/ 40% + QTZ VN + ~10% UNK + AG-MINS + FeO — 23.00m
		QTZITE + QTZ VN BRX + FeO	↕		20%	FeO	MASS.	NON DESCRIPT FeO + MnO	30%		↓ G		615003	— 23.70m

MAIN FAULT ZONE

↳ SEE FOLLOWING PG.

HEALED (FeO) QUARTZITE + QTZ VEIN BRECCIA + MnO + HEM ON FXS. ENDS IN 0.15m OF SERICITIC GOUGE (23.55-23.70m)

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
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GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 03 **PAGE:** 3 **OF** 4

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
		GEOLOGY								**STRUCTURE**				
24		HORNFELSED QUARTZITE ↓ LOCAL 'TIGER TEXTURE'	SiO_2 ALT!					NONE					NONE	23.70 - 30.78m: HORNFELSED QUARTZITE ↓ LOCAL 'TIGER TEXTURE' MNO + FEO I ITEM. LINED FXS.
26														
28														FEO ALT, 'ROTTEN' GLITZY QUARTZITE BED FROM 29.99m - 30.10m.
30		(FEO ALT SAND)												GRADATIONAL LOWER CONTACT ↓ SER. SCHIST - VUGGY QUARTZ + FEO LINED VEINED TOWARDS L. CONTACT.
	30.78m													30.78m
32		SERICITE SCHIST	TOP - BTM		< 2%	QTZ + FEO		NONE		LOCAL PTYGMATIC	FOLD (L-F)		NONE	SERICITE SCHIST W/ LOCAL QUARTZ LAYERS. LOCAL FEO ALT ALONG FOLIATIONS AND GRADATIONAL LOWER CONTACT. GRAPH. BED NEAR L.C.
	32.33m													32.33m
34		HORNFELSED QUARTZITE ↓ DRILL APART FXS	SiO_2 ALT TOP - BTM		5-8%	QZ + FEO ± CC		TR DISS. VFG PYR			DRILL APART FXS	LG FOLDED QTZ VNS	NONE	32.33m - 34.9m: HORNFELSED QUARTZITE ↓ ABUNDANT, 65cm THICK QTZ ± CC ± FEO FOLDED VEINS + LOCAL TR DISS. VFG PYR. LOCAL DRILL-APART FXS + FEO. WAVY BEDDED LOCALLY.
	34.9m													34.9m
36		FOLDED GRAPHITIC SCHIST						NONE				<2% QTZ	NONE	34.90 - 36.17m: FOLDED GRAPHITIC SCHIST → Z-M-S FOLDS, NO FEO ALT. ENDS IN GRAPHITIC GOUGE.
														36.17m

QTZ QUARTZ
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ARG ARGENTITE
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FG FINE GRAINED
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V VEIN
MN MANG.

C CONTACT
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BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

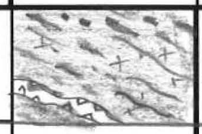
DRILL HOLE NA-12-03 **PAGE:** 4 **OF** 4

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

	GEOLOGY									**STRUCTURE**				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
36		HORNFELSED QUARTZITE (SiO_2 ALT)	TOP / BTM		5-6%	QTZ + FEO + CC + CLAY	EUH VUGGY						NONE	36.17m - 38.10m: HORNFELSED QUARTZITE W FEO LINED FXS (↑). EUHEDRAL QTZ + FEO VUGGY VEINS UP TO 2cm-THICK.
38						SERICITE!								EOH @ 38.10m

QTZ QUARTZ
GAL GALENA
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PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

LOGGED ON MAY-28-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

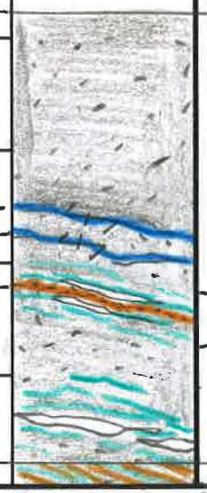
DRILL HOLE NA-12-04

PROPERTY	NABOB	START DATE	AUG-24-2012	DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East	0490124	FINISH DATE	AUG-24-2012	DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North	7090843	CASING	15 FT (4.57m)	NIGHT CREW	N/A	CORE SIZE	HTW-NTW (15')
ELEVATION	1719m	EOH =	24.88m	DRILL TYPE	KD#1	HOLE SURVEY	

DEPTH (m)	0m		
DIP	-65		
AZM (Mag N)	340°		
AZM (True N)			

PURPOSE DRILLED WEST FROM THE 1ST SET-UP TO TEST AND SEE IF THE MAIN FAULT ZONE (QTZ ± AG VEIN BRX / QUARTZITE BRX + FEO) CONTINUES.

NOTES 6 BOXES TOTAL. INTERSECTED THE MAIN FAULT ZONE WHICH COMPRISES OF QTZ VEIN BRX HEALED BY MNO-HEM ± FEO ± AG-SULPHO/GALENA (?) FROM 16.76-17.76m (SAMPLE 615007) AND THEN A QUARTZITE BRX FROM 17.76-23.86m WHICH ENDS IN FEO HEALED QTZ BRX (SAMPLE 615008).

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														0 - 3.77m = OVB. CASING TO 4.57m.
2														
3.77m														
4		MASSIVE QUARTZITE						NONE					NONE	BLUE-GREY, COMPETANT QUARTZITE THAT HAS PHYLLITIC ± GRIT PARTINGS, WHICH ↑ IN FREQUENCY + THICKNESS DOWN HOLE.
6														
6.94											GOUGE 6.94-7.10m			PHYLLITE-SERICITE GOUGE FROM 6.94m-7.10m AND AGAIN @ 7.62-7.67m.
7.62m											7.62-7.67m			
8														FROM 8.43-8.53m IS AN ALT GRIT LAYER W/ QTZ VEINS IN EITHER SIDE AND PHYLLITIC PARTINGS.
8.43														
10														
11.67		GRIT W/ PHY. SCHIST PARTINGS	10.97-11.67		30%	QTZ ± SER, CHL	DEF, MASS,	LARGE (~10cm THICK) QTZ ± SER, CHL DEF		F = 020°		025°		FROM 10.97-11.67m IS ↑ PHYL. BEDS AND QTZ ± SER ± CHL, DEF MASS. VEINS
12														11.67-13.50m: FEO ALT GRIT W/ 30% PHY SCHIST PARTINGS, V. LOCALLY GRAPHITIC. NO VEINING

3.77m

11.67

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
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V VEIN
MN MANG.

C CONTACT
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GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 04 **PAGE:** 2 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12		FEO ALT GRIT W 30% PHYL. SCHIST	NONE	NONE	N/A			NONE		I F=20°			NONE	MOSTLY FEO ALT, 'ROTTEN' GALT W 20% PHYLLITIC SCHIST PARTINGS. NO VEINING, MARKER BED! GRAD. L-CONTACT
14		MED. BEDDED QUARTZITE						NONE					NONE	13.50m M. BEDDED, BLUE-GREY, FAIRLY COMPETANT QUARTZITE. STACTS ALT W ~ 20cm OF ? BEDDED PHYL-SCHIST + QTZ & CHL, SOFT VEINING. GRAPHITIC SCHIST PARTINGS @ 14.47 - 14.51m, 14.63 - 14.74m) 15.17 - 15.24m AND 15.72 - 15.80m. REL. SHARP L-C.
16														
16.76m	BRX	BRX QTZ VN (MN-HEM-Ag)			80% +	MN-HEM FEO + Ag SULPHO	FXR FILLING	MN-HEM±FEO AND Ag-SULPHO - VFG-FG MASS + FXR FILLING	20+	BRX	MANN CR-F FAULT		L15007	16.76m QTZ VEIN BRX HEALED BY MN-HEM FEO AND VFG TO FG Ag-SULPHO ±GALENA FXR FILLS. (NOT INT)
17.76														17.76m QUARTZITE BRECCIA - STACTS ALT HEALED BY MN-HEM FILLIES. HORNFELSED / SILICIFIED LOCAL GRANITIC TEXTURE + SERICITE ALT.
18		HFS/ SILICIFIED QUARTZITE BRX								BRX	MANN FAULT			
20														FROM 21.30 - 21.95m IS PRESERVED LOCALLY SERICITE SCHIST BEDDED QTZITE THAT HAS SERICITE GOUGE ON EITHER END ENDS IN ~30cm SERICITE GOUGE.
22		LOCALLY PRESERVED	23.05 - 23.84m			HEALED BRX MN-HEM	(FXR)	FXR FILLS OF FEO± MN-HEM, Ag-SULPHO?	?		GOUGE			
23.84m		HFS QTZITE						NONE					NONE	SAMPLE LAST 0.75m OF INT. FEO ±MN-HEM HEALED BRX - 23.09 - 23.84m. 23.84m HFS QUARTZITE - COMPETANT BLUE-GREY W MASSIVE ± MN-HEM-FEO FXR FILLS THAT NEED OUT AWAY FROM MANN FAULT. LOCALLY LOOKS GRANITIC LIKE (TEXT)

MAIN FAULT ZONE

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
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C CONTACT
CR-F CROSS FAULT
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GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 04 **PAGE:** 3 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

	GEOLOGY									STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24		HORNFELSED QUARTZITE						MAG-HEM±FeO LINED FXS.		LOCAL FOLIATION TIGHT TEXT.				ENDS IN HFS QUARTZITE + MnO, HEM±FeO W LOCAL BRX (PRESERVED) SECTION @ N 24.63m.
24.88m														24.88m EOH = 24.88m (6 BOXES TOTAL)
26														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
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CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
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BX BRECCIA

LOGGED ON MAY-28-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-05 **PAGE:** 1 **OF** 2

PROPERTY	NABOB	**START DATE**	AUG. 25-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn	**DEPTH (m)**	0m
UTM East	0490112	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn	**DIP**	-65°
UTM North	7090840	**CASING**	15' (4.57m)	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (15')	**AZM** (Mag N)	340°
ELEVATION	1712 m ???	**EOH =**	80' (24.38m)	**DRILL TYPE**	KD #1	**HOLE SURVEY**		**AZM** (True N)	008°

PURPOSE DRILLED IN BETWEEN SC3DIP TARGETS #1 + 2 — DRILLED FURTHER TO THE WEST FROM HOLES 1-4 TO ATTEMPT TO EXTEND THE MAIN FAULT STRUCTURE.

NOTES 5 BOLES TOTAL. FROM 13.83-16.15m INTERSECTED A QUARTZITE REL W QTZ VEIN STOCKWORK (THAT IS LOCALLY BRX'D). DID NOT INTERSECT APPRECIABLE MINERALIZATION — NO SAMPLES TAKEN.

GEOLOGY										STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														0-4.17m = OVB. (CASING TO 4.57m).
2														
4														
4.17														4.17
6		HORNFELSED QUARTZITE								S-FLD			BEDDED — NONE	RELATIVELY COMPETANT BLUE-GREY & MAROON-GREEN, HORNFELSED QUARTZITE W GRAPHITIC ISER BEDS @ 4.88-5.00m, 5.43-5.61m, 6.32-6.45m. FELD ALT GRAY BED @ 7.32-7.62m.
8		↑ HFS												↑ HFS (SILICIFIED MVO?) FROM 7.77-10.83m.
10				10.00-10.22m	2%	QTZ+FED+PYR	CUBS	IN FILL AGAINST FXS	TR					FILL AGAINST FXS. UNIT ENDS IN GRAPHITIC SCHIST BAND FROM 10.83-11.18m.
11.18		QUARTZITE W ↑ QTZ VN			15%	QTZ+FED	FILL	FILL // (~20°) AND STEEP FILL-AGAINSTS		I FOLD	SIN.		NONE	11.18 11.18-13.23m: QUARTZITE W QTZ VEIN STOCKWORKING W 2 INTERBEDS OF GRAPHITIC SCHIST. LOCAL WEAK HFS.
12														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

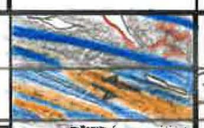
DRILL HOLE NA-12-05 **PAGE:** 2 **OF** 2

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12		QUARTZITE + ↑ QTZ VN.	↕	AS LAST									NONE	LOWER CONTACT SHARP W BLACK GRAPHITIC-GRIT UNIT.
13.23		DEF GRAPH-SCHIST FEO ALT GRIT						NONE		I F= 020°	SIN FP	<1%		INTERBEDDED GRAPH. PHYLLITE AND FEO ALT GRIT. SINISTRAL SHEAR EVIDENT. 13.23m
13.83														13.83m
14		QTZITE BRX + QTZ STOCK + BRX			35%	QTZ ± SER, FEO	DEF + BRX'D	HIGHLY DEF (FOLDED + BRX'D) QTZ ± FEO, BRX VEINS, VUGGY		BRX	MAIN FAULT (SIN. DIP SLIP)		NONE	13.83-16.15m: QUARTZITE BRX W STOCK-WORK QTZ VEINING THAT IS BOTH DUCTILE DEFORMED + BRX'D. VUGGY PULL APART FXS + VEINS COMMON. FROM 14.86-15.03 IS 'PRESERVED' >SER-↑ LYR. 15.24-15.54 FEO MNO FXS. GRAD L.C.
16 16.15														16.15m
18		HFS MASSIVE QUARTZITE (SiO2 + SER)		18.09-18.29m	20% VUG QTZ-FEO	UNK	CAV. FILL	CAVITY FILL FEO ± HEM BOTRYOIDAL MASS. FILL	<3%			~70° RTCA	NONE	16.15-22.86m: HORNFELSED (SiO2 + SERICITE ALT) SEMI-COMPLIANT QUARTZITE W NUMEROUS THIN PULL APART FXS THAT ARE OFTEN LINED BY FEO OR QTZ + SERICITE. SPLOTCHY (MNO?) RIPPLISH TEXTURE.
20				19.70m		PYR	CUB	CLOT IN QTZ VEINLET	TR					
22														
22.86														EOH = 22.86m (5 BOXES TOTAL). 22.86

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

LOGGED ON MAY-29-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-06 **PAGE:** 1 **OF** 4

PROPERTY	NABOB	START DATE	AUG-26-2012	DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East	0490061	FINISH DATE	AUG-27-2012	DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North	7090815	CASING	3.05m (10')	NIGHT CREW	N/A	CORE SIZE	HTW-NTW (10')
ELEVATION	1715m???	EOH =	45.72m (150')	DRILL TYPE	KD#1	HOLE SURVEY	

DEPTH (m)	0m		
DIP	-65		
AZM (Mag N)	340		
AZM (True N)	008		

PURPOSE DRILLED TO TEST IP TARGET #1 - LARGEST IP TARGET - HOLE MOSTLY INTERSECTED THE SCHIST (= IP ANOM.). ON CLIFFSIDE OF FARO GULCH - THICK PKG OF QUARTZITE UNDERNEATH

NOTES MOSTLY INTERSECTED THE SCHIST. FROM 18.29-20.00m IS HFS QUARTZITE INTO CLAY GOUGE @ (20m) → FeO GOUGE → FeO HEATED QTZ BRX. NO APPRECIABLE VIS MIN IN HFS QUARTZITE SEE MAO 'BLEEDS' SYN-FOLIATION?

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														0-2.60m = OVB. (CASING TO 10' - 3.05m).
2														
2.60m		QTZITE												2.60-3.05m ⇒ QUARTZITE OVB?
3.05m														3.05m-7.26m: GRAPHITE SCHIST. NON-DESCRIPT, NO ALT.
4		GRAPHITE SCHIST			<3%	QTZ (FOL // + DEF)		NONE		015°-025° RTCA			NONE	F=015-025° RTCA BUT ∡ STEEPENS DOWN HOLE.
6														↳ FOLDS + STEEPER FOL ↓ HOLE. V. SHARP L CONTACT.
7.26		S-FOLDS												
8		FLUIDS? POROUS												7.62-11.15m: QUARTZITE. REL. COMPETANT, BLUE-GREY @ 10-15%. DEF QTZ ± CHL, SER, FeO VNS @ ~10-30% RTCA AND ~1% FeO FXS @ 040° AND ~070° RTCA. (UNIT STARTS SLIGHTLY POROUS LIKE)
10		QUARTZITE			10-15%	QTZ + FeO	DEF ± CHL, FeO SER	NONE					NONE	
11.15														LOWER CONTACT MARKED BY <3cm GRAPH-SCHIST
12		QTZITE BRX + FeO			8% QTZ 3% FeO			NONE			BRX (WEAK)		NONE	11.15-11.94m: ↓ COMP, LIGHT-BLUE GREY QTZ BRX. WEAKER BRX'TION AS COMPARED TO OTHER HOLES - GRAPH. SCHIST TAKES UP BRUNT OF MOVEMENT?

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 06

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12	BRX	BEDDED QUARTZITE			<5%	QTZ + FEO	WAVY DEF FOL //	NONE			↳ BRX		NONE	11.94–16.47m: BEDDED QUARTZITE. FROM 12.70–12.81m = BRX BAND. ALT, WAVY/POROUS GRIT FROM 13.31–13.69m. GRAPHITIC SCHIST @ 14.27–14.32m, 14.63–15.31m w PHYLLITIC BEDS + FEO ALT GRIT INTERCALATIONS.
14														
16		→ BRX QTZ VN + FEO												
16.47		GRAPHITIC-PHYLLITIC SCHIST						NONE			LOCAL BED. ↳ GOUGE		NONE	16.47m–18.60m: GRAPHITE-PHYLLITE SCHIST w SHORT (<5cm) QUARTZITE BEDS. GRADATIONAL UPPER + LOWER CONTACTS. TR. QTZ VEINS ± FEO.
18														
18.60		HTS QUARTZITE ± BRX, GOUGE, FEO BRX QTZ	18.60m – 20m	5% MAO BLEEDS	5% FEO FULL ABOUTS			5% MAO BLEEDS			↳ GOUGE ↳ BRX	2Y 070° FEO	20m 615009	18.60–20.75m: GRADES INTO HTS QUARTZITE LOCAL MAO BLEEDS AND BRX'TION. @20m = MAIN FAULT GOUGE STARTS IN CLAY, 1m FEO AND ENDS IN QTZ BRX + FEO → SAMPLE THIS ZONE
20														
20.75		PHYLLITIC SCHIST	NONE					NONE			↳ GOU ↳ GOU		NONE	20.75–22.16m: PHYLLITIC SCHIST @ GOUGE ON EITHER CONTACT. > COMPETANT, 'THICKER' BEDDED IN B.W.
22														
22.16		BEDDED QUARTZITE			3%	QTZ ± FEO	FOL //	NONE					NONE	22.16–29.90m: BLUE-GREY, SEMI-COMPETANT BEDDED QUARTZITE w 3% PHYL. SCHIST ± GOUGE, 2% GRAPH. SCHIST AND 3% FEO ALT, ROTTEN/POROUS GRIT.
24														

FOLD ?

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

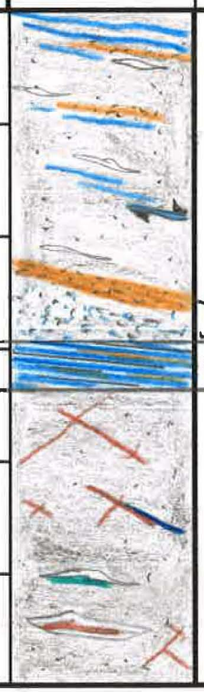
DRILL HOLE NA-12-06 **PAGE:** 3 **OF** 4

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24		BEDDED QUARTZITE	AS LAST PG					NONE			PHYL. GOUGE		NONE	STACKS OF SMALL (<5cm) GRAPHITIC PARTINGS. @ 27.43m B PHYLLITIC GOUGE. FROM 28.39-28.60m IS FEO ALT GRIT - V. POROUS. (@ 29.56m) GRADATIONAL L-CONTACT - STARTS W/ VUGGY DEF QTZ VEIN + IS FLUIDIZED + ROTTEN APPEARING.
26														
28														
29.90m		GRAD CONTACT												
30		GRAPHITIC SCHIST	—	NONE	NONE			NONE		⊥ F=015° RTA			NONE	29.90-30.66m: GRAPHITIC SCHIST W/ INTERCAL. FEO ALT GRIT.
30.66		MASSIVE QUARTZITE		NONE	5%	QTZ ± FEO CHL	FOL // + DEF.	NONE					NONE	30.66-45.72m: MASSIVE LIGHT GREY-BLUE, REL. COMPETANT QUARTZITE W/ ⊕ 3 FXR ∡°'s @ ~10°, 40°, 70° RTA - HEALED BY FEO ± QTZ, MNO. 5% VEINING OVERALL: ① FOL // - OFTEN VUGGY PULL APARTS W/ QTZ + FEO, ② DEFORMED QTZ ± CHL ± SER & ③ STEEP FEO.
32														
34														
36														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

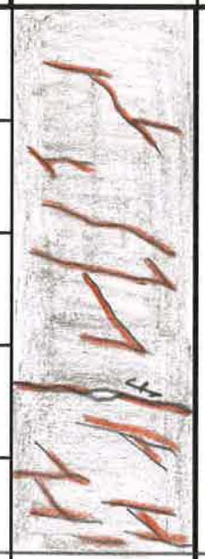
DRILL HOLE NA-12-06 **PAGE:** 4 **OF** 4

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

	GEOLOGY									STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
36		MASSIVE QUARTZITE	↕	↕	5-7%	QTZ ± FeO	FOL // +DEF.	NONE			47 FGN.		NONE	MASSIVE LIGHT GREY-BLUE QUARTZITE, REL. COMPETANT W FeO HEALED FKR-SETS @ ~ 10° RTCA, 40° RTCA + 075° RTCA.
38														
40														
42														@ 43.96m IS A FeO COATED FKR ~ 3cm THICK.
44														LOCAL (STEEP, ~ 075°) QTZ + FeO ± CLASTIC PYR ? (REPLACED BY FeO MATRIX)
45.72														
46														EOH = 45.72m (12 BOXES TOTAL). 45.72

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

LOGGED ON JULY-1-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-07 **PAGE:** 1 **OF** 1

PROPERTY	NABOB	**START DATE**	AUG-28-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East	0490152	**FINISH DATE**	" /	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North	7090868	**CASING**	1.65m	**NIGHT CREW**	N/A	**CORE SIZE**	NTW
ELEVATION	1708m	**EOH =**	35' (10.67m)	**DRILL TYPE**	KD #1	**HOLE SURVEY**	—

DEPTH (m)	0m		
DIP	-45		
AZM (Mag N)	160°		
AZM (True N)	184°		

PURPOSE INTENDED TO INTERSECT DOWN-DIP (POTENTIAL) MINERALIZATION OF THE MAIN FAULT VEIN CLOSE TO SURFACE — V. HIGH GRADE MINERALIZATION @ SURFACE. INTERSECTED A BRX + GOUGE + FCO ZONE W/IN HFS/SILICIFIED QUARTZITE.

NOTES ENTIRE HOLE INTERSECTED SILICA↑ (HFS) MASSIVE QUARTZITE. CLOSE TO SURFACE ARE 2 GOUGED QUARTZITE — FCO HEATED BRX QUARTZITE = MFZ LT. NO APPARENT MINERALIZATION. LOCAL FCO HEATED BRX QUARTZITE PROXIMAL TO FXR PLANES THROUGHOUT.

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 1.65m.
1.65m		SILICIFIED (HFS) MASSIVE QUARTZITE								NONE APPARENT THROUGH-OUT		045° PTCA	NONE	1.65-10.67m: BLEACHED, V-SILICEOUS (HFS) MASSIVE QUARTZITE. 2 MAPPABLE GOUGE ZONES ⇒ ~2.85-3.30m (SERICITE BEDS W/IN MASSIVE QTZITE) AND 3.75-4.20m (HFS QUARTZITE + FCO HEATED QTZ BRX)
2	SERICITE GOUGE													
4	FCO BRX HFS QTZ GOUGE													
6	MOD VC GRIT		6.41-6.44m		85%	MNO	'WIREY'	DENDRITE-LIKE FXR FILL						FROM 6.70-6.95m IS POROUS GRIT (COARSE SAND BED) - 'PORES' ARE FILLED WITH FCO (WEAK ALT).
8	BRX/GOUGE FXR PLANES													
	DISS TR PYR			~8.50m		PYR	CUBIC	DISS, CUBIC PYR	TR					
10														
10.67m														
12														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

* LOGGED ON July-1-2013 *

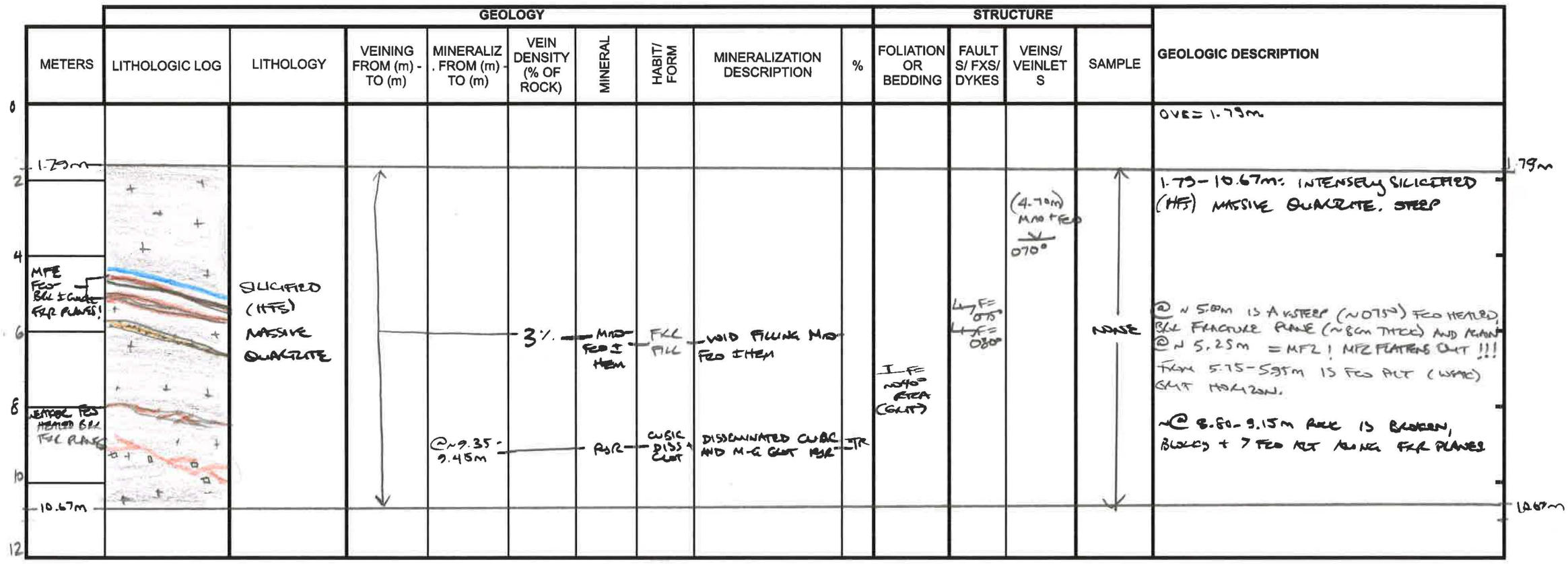
2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-08 **PAGE:** 1 **OF** 1

PROPERTY	NABOB	**START DATE**	Aug-28-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn	**DEPTH (m)**	0m
UTM East	0490152	**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn	**DIP**	-60°
UTM North	7030868	**CASING**	5' (1.58m)	**NIGHT CREW**	N/A	**CORE SIZE**	NTW	**AZM** (Mag N)	160°
ELEVATION	1708m	**EOH =**	45' (13.72m)	**DRILL TYPE**	KD#1	**HOLE SURVEY**		**AZM** (True N)	164°

PURPOSE TO INTERSECT THE MFZ Lty AND POTENTIAL MINERALIZATION, AS SEEN ON SURFACE, CLOSE TO SURFACE. DID NOT ⊢ MIN — NO SAMPLES.

NOTES ENTIRE HOLE INTERSECTED SILICEOUS (HFS) QUARTZITE — AS PASSED TO NA-12-07 — MFZ Lty IS NOT GOUGE BUT 2 STEEPLY DIPPING (ATCA) FCO-BX FXR PLANES ± GOUGE ORIENTED @ ~070-075° ATCA ∴ MFZ FLATTENS OUT → HW IS FLAT = GOOD POTENTIAL ORE ROCKET BUT DID NOT ⊢!



QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

* LOGGED ON JULY-6-2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-09 **PAGE:** 1 **OF** 2

PROPERTY	NABOB	**START DATE**	Aug-28-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn	**DEPTH (m)**	0m
UTM East	0490154	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn	**DIP**	-45°
UTM North	7090872	**CASING**	1.55m (5')	**NIGHT CREW**	N/A	**CORE SIZE**	NTW	**AZM** (Mag N)	80°
ELEVATION	1706m	**EOH =**	45' (13.72m)	**DRILL TYPE**		**HOLE SURVEY**	—	**AZM** (True N)	104°

PURPOSE INTENDED TO INTERSECT DOWN-DIP POTENTIAL MIN OF THE MAIN FAULT VEIN CLOSE TO SURFACE — V. ↑ GRADE MIN @ DEPTH. INTERSECTED A NEARLY BUSTED UP / BROKEN SECTION FROM 3.5m – 4.6m ± / IN HFS / SILICIFIED MASSIVE QUARTZITE → NO VIS MIN'L.

NOTES * SAME PAD AS NA-12-07 + 08 * HOLE INTERSECTED MOSTLY HFS / SILIC. MASS QUARTZITE ± BEDS OF SER / PHYL ± GRAPH SCHIST. MFZ 4m THICK IS V. WEAK. LOCAL FeO-HEM ± MnO FRACTURE FILLS STEEP (080° RTEA).

GEOLOGY

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%
0									
1.70m									
2		HFS / SILICIFIED MASSIVE QUARTZITE	1.70m – 7.92m		< 3%	FeO + HEM ± MnO	FRACTURE FILL (STEEP NOES°)	NONE VISIBLE → BOTRYOIDAL HEM. VIS	
3.50m									
4									
4.60m									
6									
6.64m		SERICITE ± PHYL. SCHIST			< 5%	QTZ	DEF	MUSCY + FeO	
7.92m									
8									
10		HFS / SILIC. MASSIVE QUARTZITE	10.75 – 11.30 m		40%	QTZ + FeO	MUSCY DEF	± "GREENSTONE"	
12	GREENSTONE? DEF QTZ + FeO VN								

STRUCTURE

FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
				1.70m = OVB.
	3.5m MFZ ? 4.6m	V NOES° RTEA	NONE	1.70 – 6.64m: COOKED-UP (HFS/SILICIFIED) MASS QUARTZITE ± FeO, HEM ± MnO FXS. STEEP FeO, HEM ± MnO VEINING LIGHT GREY, TO BLUISH TO LOCALLY MAUVE PINK (NEAR FXS). FROM 3.5m – 4.60m THE CORE IS BROKEN + BLOCKY ± ↑ VEINING (FeO, MnO, HEM AND QTZ + FeO). LOCAL TIGER TEXTURE.
I FeO 45° RTEA			NONE	6.64 – 7.92m: THIN LAYER OF SERICITE-PHYL SCHIST ± FeO ALT ALONG FOLIATIONS. LOCAL SILICIFIED BEDS. V. SHARP U.C + L.C.
I FeO 40° RTEA			NONE	7.92 – 13.72m: AS 1.70 – 6.64m INTERVAL ABOVE BUT ± NON-MAPPABLE PHYLLITE-GRAPHITE SCHIST BED FROM 9.70 – 10.39m FOLLOWED BY "GREENSTONE" + DEF, MUSCY QUARTZ + MUSC + FeO VEINING FROM 10.75 – 11.30m.

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

"GREENSTONE" — APPEARS TO BE METASED TYPE.

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

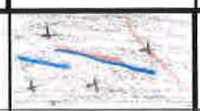
DRILL HOLE NA-12- 03 **PAGE:** 2 **OF** 2

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

	GEOLOGY									STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12		HFS / SILIC. MASS. LIMONITE			2%	QTZ + FeO; FeO + HEM	MASSY; FGL //	NONE VIS.		(BTA) I 050°			NONE	... 12
14 – 13.72m														EOH = 13.72m. 13.72m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
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2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-10 **PAGE:** 1 **OF** 4

PROPERTY	NABOB	**START DATE**	Aug-29-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East	0490282	**FINISH DATE**	Aug-30-2012	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North	7090900	**CASING**	3.05m (10')	**NIGHT CREW**	N/A	**CORE SIZE**	NTW
ELEVATION	1711m	**EOH =**	37.76m (123.88')	**DRILL TYPE**	KD#1	**HOLE SURVEY**	—

DEPTH (m)	0m		
DIP	-57°		
AZM (Mag N)	350°		
AZM (True N)	374°		

PURPOSE

NOTES NO SAMPLES TAKEN

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 4.16m
2														
4	4.16m													4.16m
6	(TELMON CASHES)													4.16-17.99m: MASSIVE BLUE-GREY QUARTZITE, GENERALLY COMPETANT w SMALL GRAPHITIC-PHYLLITIC PARTINGS + LOCAL FEO ALT GRIT 8.77-8.90m 10.96-11.13m; 14.49-14.69m). WEAK FEO LINED FXS, LOCAL MnO ± HEM FXR CAVITIES.
8		MASSIVE QUARTZITE			<3%	QTZ ± MUSC, FEO	DET, VUGGY	NONE			6.80-7.10m		NONE	FROM 9.90m - 10.12m - PHYL-GRAPH INTERCAL, LOCAL GOUGED BEDDING PLANES
10		Z FOLD								I F= N10° RTCA				
12	MnO FXS													

QTZ QUARTZ
GAL GALENA
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PYR PYRARGERITE
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FG FINE GRAINED
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2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

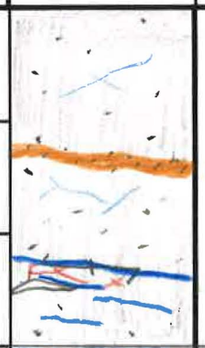
DRILL HOLE NA-12- 10

PROPERTY	NABOB	START DATE		DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East		FINISH DATE		DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North		CASING		NIGHT CREW	N/A	CORE SIZE	
ELEVATION		EOH =		DRILL TYPE		HOLE SURVEY	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12		MASSIVE QUARTZITE			<2%	QTZ ± FCO, MISC	DEF, VUGGY	NONE VISIBLE		F=N010° RTCA	15.64-15.98m GOUGE; GRAPH GOUGE		NONE	... MASSIVE QUARTZITE ... LOCAL MVO ± HEM ± FCO LINED FXS. 14.51 - 14.70m: FCO ALT GRIT BED. 15.64-15.98m: SBZ - FCO GOUGE. FOOTWALL HAS LOCAL WEAK BRX + FCO. INCREASING INTERCALATIONS OF GRAPHITE BEDS TOWARDS L.C. GRADATIONAL CONTACT.
14														
16	GRAPH GOUGE													
18											GRAPH GOU 18.20-19.46m			17.99m — 17.09 - EOH: BEDDED QUARTZITE - GRAPHITIC SCHIST. SCHIST BEDS SHOW INTENSE DEF/FOLDING. INTENSE GOUGE FROM 18.29-19.46m - M FOLDS VISIBLE W/IN.
20		BEDDED QUARTZITE - GRAPHITIC SCHIST	21.71-22.20m		95%	QTZ + FCO	BRX, GOUGE	NONE VISIBLE			GOUGE 21.54-22.66m		NONE	SBZ ± GRAPH GOUGE INTO BRX - QUARTZ VEIN + FCO GOUGE → GOUGED FCO GRIT → GRAPHITIC BED GOUGE.
22	GOUGE									F=N03° RTCA				THIN, WEAK FCO BRX LAYER @ 23.25-23.45m.
24														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
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BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

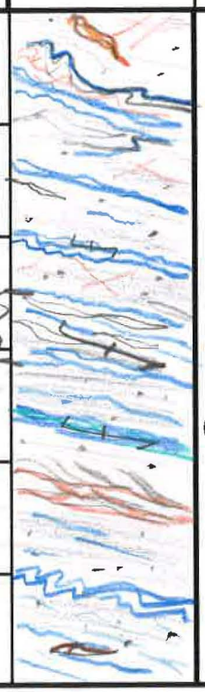
DRILL HOLE NA-12- 10

PROPERTY	NABOB	START DATE		DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East		FINISH DATE		DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North		CASING		NIGHT CREW	N/A	CORE SIZE	
ELEVATION		EOH =		DRILL TYPE		HOLE SURVEY	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24			25-25.25		100%	QTZ + FLO	GOUGE				25-25.65m GOUGE			INTENSLY DEF/FOLDED BEDDED QUARTZITE. QUARTZ VEIN ± FLO BRX/GOUGE INTO GOUGED GRAPHITIC SCHIST BEDS FROM 25-25.65m
26			26.02-26.12		100%	QTZ + MUSC + FLO + CHL	DEF							REPEATED 2cm - 15cm BEDS OF INT. FOLDED + LOCAL GOUGE // BEDS GRAPH. SCHIST.
28		BEDDED QUARTZITE GRAPHITIC SCHIST (+ GOUGE)						NONE VIS.			29.55-30.28m		NONE	FROM 29.55-30.28m: GOUGED WHITE QUARTZ VEINS IN GOUGED GRAPHITIC SCHIST (LOCALLY BLEACHED TO GREY — NOT ?!)
30	GOUGE													FROM 31.20 - ~31.60m IS WEAKLY GOUGED GRAPH & SER SCHIST
32										F = 010-15° RTZA	GOU BRX			FROM 32.00 - 32.40m IS QUARTZITE GOUGE INTO WEAKLY BRX + FOLD QUARTZITE.
34										34.15m - M FOLDS				FROM 33.33-EOH: ↑ GRAPHITIC BEDS. (~30% GRAPHITIC BEDS)
36														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-10

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

		GEOLOGY									STRUCTURE				
	METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
36			BEDDED QUARTZITE - GRAPH. SCHIST			5%	QTZ ± MUSC	FOL // + DEF	NONE VIS.		FOL 020° - 025°			NONE	> GRAPHITE COMPONENT + HX2 - VUGS FROM EARLY DISS. PYRITE, QTZ ± MUSC VEINS - FOL // AR2 PINKISH AND DEF, VUGGY AR2 CLOUDY WHITE WEAK FOO ± LIM. COATED TX3.
38	37.76m														37.76m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
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FG FINE GRAINED
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* LOGGED IN JUN-10-2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 011 **PAGE:** 1 **OF** 3

PROPERTY	NABOB	**START DATE**	AUG- 31- 2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn	**DEPTH (m)**	0
UTM East	0490282	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn	**DIP**	-59°
UTM North	7090090	**CASING**	6.10m (20FT)	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (10')	**AZM** (Mag N)	340°
ELEVATION	1715m	**EOH =**	30.48m	**DRILL TYPE**	XDH1	**HOLE SURVEY**	—	**AZM** (True N)	004°

PURPOSE TARGETED NABOB VEIN - MAIN FAULT ZONE INTERSECTION (MISSED - NEEDS TO MOVE PAD 10-15m TO THE EAST). * AND LOCATION OF NABOB VEIN INTERSECTION PROJECTED IN LOW RECOVERY (BUT DID FIND VIS. MASSIVE GALENA) → SAMPLE 615011.

NOTES INTERSECTED NABOB VEIN V. STRONG (4.75-5.55m) W/ POR PRC, GALENA + UNK MIN + FEO IN DK GREY DIORITE W/ QTZ+FEO VEINS. INTERSECTED ANOTHER QTZ VEIN ZONE W/ UNK MIN + FEO. VEIN ± MAFIC ON EDGE(S) (ALTERED FWS — CAUGHT THE MAIN FAULT VEIN, ABOVE MAIN FAULT ZONE (FEO HEALED DIORITE GAL).

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULT S/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 3.05m
2														
3.05m														3.05m
4		NABOB VN HFS/SILICIFIED MASSIVE QUARTZITE		4.75-5.55m	15%	2% PRC GAL	BX MASS	<10% UNK MN MINERALS?		25° TF	VN FAULT	NABOB V VEIN	MAIN? 615011	3.05-16.10m: HFS/ SILICIFIED MASSIVE QUARTZITE, COMPETANT W/ V. LIMIT FG UNITS/BEDS.
6				NONE	<2%	QTZ	DEF EARLY VEIN	NONE						SAMPLE 615011 @ 4.75-5.55m: NABOB VEIN, V. POR PRC, IN LOCALLY SILICIFIED QTZ VEINING, MOD SULPHIDES (GAL+ PYR?). HW IS PHYLLITE SCHIST FROM 5.91-6.08m IS FEO ALTERED, > GRAIN LARGE (CALC?)
8													NONE	SHEARED SILICIFIED, LIGHT BROWN (SAND?) FROM 6.82-7.29m (CONTACT @ 10cm ANGLE) → V. POR PRC.
10														STRONG SILICIFICATION FROM ~7.20m - 15.20m.
12														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
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LIM LIMONITE

FG FINE GRAINED
MG MED. " "
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C CONTACT
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2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

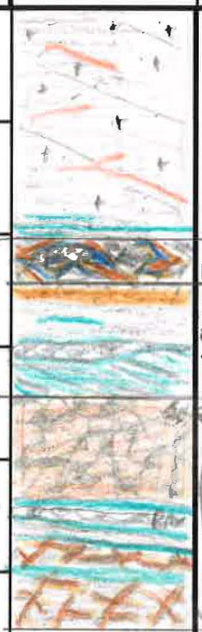
DRILL HOLE NA-12- 11

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12		HFS SILICIFIED MASSIVE QTZITE												FROM 15.20m-16.10m IS AN ↑ IN BEDS ~~3~~ PHYLLITIC SCHIST PARTINGS UP TO 5cm IN THICKNESS. LESS HFS/SILICIFIED FROM 15m - 16.10m WHERE A V. SHARP L. CONTACT IS.
14														
16	16.10m	FeO + HEM HEALED QTZITE BRX		↕ ?		FeO, HEM ± MnO + UNK	FX/L FILL	FeO ALT ↓ DOWNHOLE	80%		BRX		615012	MAIN FAULT 'VN': FeO + HEM ± MnO HEALED QTZITE BRX + UNK MIN. LOCATED UPHOLE FROM MF2. 16.10m 16.70m
	16.70m	BEDDED QTZITE W 40% PHY-GRAPH SER SCHIST	↕	→ NONE	2-3%	QTZ	DEF + FOL //	NONE		⊥ F=060°	LOCAL GOUGE		NONE	16.70-19.03m: BEDDED QUARTZITE (40% BEDS OF PHYL-GRAPH-SER SCHIST W GRIT BEDS + PARTINGS, LOCAL GOUGE @ 18.20-18.29m, 18.78-18.94m. QUARTZITE BRX BAND @ 18.04-18.14m FeO ALT GRIT: 16.70-16.80m SHARP L.C.
18	19.03													19.03m
20		STRONG BRX ↑ FeO FeO HEALED QUARTZITE BRX	19.03 - 20.73m	NONE	6-4%	QTZ	BRX	(UNK VFG BLUE-BLACK MIN IN VEINLETS NONE VISIBLE		BRX & GOUGE	MF2		615013 20.73m NONE	19.03-23.32m: FeO HEALED QTZITE BRX W MULTIPLE BEDS OF UN-ALT. PHYL/SER SCHIST BANDS @ 20.73-20.98m 21.34-21.64m & 2 MORE, THIN (< 3cm) @ ~22.30m. SAMPLED FeO ALT BAND @ START (19.03-20.73m) - PERV. FeO ALT QTZITE BRX W ↑ QTZ (BRX) VNS ± FeO, MUSC AND UNK VFG. BLUE BLACK MIN IN VEINLETS. SHARP LC - GOUGED PHYL.
22		↓ FeO WEAK BRX												3cm
	23.32m	MASSIVE QUARTZITE			1%	FeO OR QTZ	VEINLET	NONE					NONE	23.32-27.55m: MASSIVE BLUE-GREY QTZITE COMPETANT W THIN PHYLLITIC & GRAPHITIC SCHIST PARTINGS COMPRISING ~15cm (2mm - 7cm THICK) ... → OVER →
24														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
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2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 11

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24		MASSIVE QUARTZITE			<1%	QTZ + FeO	SKE REMARKS	NONE		I F: 025	LOCAL GOUGED SCHIST PARTINGS		NONE	OVERALL NON-DESCRIPT AND TYPICAL MASSIVE QUARTZITE w/ NO VIS MIN., AND FeO ± HEM ± MnO FRR COATINGS. VUGGY, DEF-EARLY QTZ VN FILLED w/ MASS FeO AND LATE EUH QTZ
26														
27.55m														SHARP L.C. 27.55m
28		BEDDED QTZITE w/ ~45% GRAPHITE SCHIST BEDS		28.86-29.31m	50%	QUARTZ VN AND FeO-HEM	VUGGY DEF FRR FILL	VUGGY + DEF QUARTZ VEINS AND FeO-HEM + UNC MIN FRR FILL VNS		I F=015. 020		DEF, ~1	NONE	27.55-30.48m: BEDDED QTZITE w/ ~40% GRAPHITIC, LOCALLY PHYLLITIC, SCHIST BEDS, 3 x 10cm THICK PHYLLITE - GRAPH SCHIST GOUGE BANDS; FROM 28.15-28.68m IS A MASSIVE, DEF, QTZ + MUSC, CHL VEIN. VUGGY w/ LOCAL VEINLET FeO. FROM 28.86m-29.31m IS BAND OF FLUIDIZED QUARTZITE w/ QTZ AND FeO-HEM + ? UNC-FRR FILLS
30														
30.48m														EOH @ 30.48m 30.48m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
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FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
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* LOGGED ON JUN-11-2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-12 **PAGE:** 1 **OF** 3

PROPERTY	NABOB	**START DATE**	SEPT-1-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East	0490190	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North	7090874	**CASING**	6.10m (20')	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (20')
ELEVATION	1715m	**EOH =**	32.29m (105.9')	**DRILL TYPE**	KD#1	**HOLE SURVEY**	—

DEPTH (m)	0m		
DIP	-58°		
AZM (Mag N)	285°		
AZM (True N)	309°		

PURPOSE TARGETED THE NABOB VEIN OBLIQUELY (~ ⊥ TO C.A.). DID NOT INTERSECT THE MAIN FAULT ZONE — JUST THE QUARTZITE BRX + FEO + GOUGED PHYLLITIC SCHIST. DRILL GOT STUCK @ EOH — LIKELY HIT THE MAIN FAULT ZONE @ A DIFFICULT ∡-?

NOTES INTERSECTED NABOB VEIN @ 7.05-8.52m — ② PARTS ... ① GAL + FEO + RELICT QTZ VEIN, ② BRX QUARTZ VEIN → QUARTZITE BRX w FEO, MnO, TEM (GOETHITE?) LINED FXS. SAMPLE 615014 = PART ① AND 615015 PART ②

HANGING WALL QTZITE BRX + FEO GOUGE

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 4.57m. CASING TILL 6.10m.
2														
4														
4.57m														4.57m
6		REDDED QUARTZITE			6%	QTZ ± FEO, MUSC	DEF + FXR //	NONE			LOCAL LTY GOUGE		NONE	4.57-7.05m: (BEDDED?) QUARTZITE — MOSTLY BLUE GREY-GREEN QTZITE w LAYER OF PHYL. SCHIST > QTZ VEINING THAN USUAL. HFS TOWARDS LC WHICH IS SHARP.
7.05m	FEO + GAL QTZ	NABOB VEIN			80% QTZ 20% FEO	GAL ± MnO	BRX VN FILL	EARLY QTZ VN FXR FILL FEO, GAL, MnO		NONE	VEIN LTY FAULT		615014 615015	7.05m 7.05-8.25m: NABOB VEIN — EARLY QTZ ± FEO, MUSC AND ROTTEN FEO CLOTS + MASSIVE GALENA STRINGER (<2cm THICK). ↓ MIN ↓ V. SHARP LC.
8														
8.25m	BRX BRX FEO MnO	SILICIFIED/HFS MASSIVE QUARTZITE	10.24-10.54m	FEO + MnO ? + UNK BLUE-BLACK MIN	20%	FEO, MnO + UNK	FXR FILL	MASSIVE APPEAR. FXR FILL			GRAVEL/ GOUGE 9.14-9.26m		NONE	8.25-23.49m: SILICIFIED/HFS MASSIVE QUARTZITE — COMPETANT OVERALL, PINK + BLUE GREY, w LOCAL GOUGED FG BEDS + FEO HEALED WEAK BRX @ 8.45m, 9.0m. GRAVEL/GOUGE (BLUE CLAY 'MATRIX') @ 9.14-9.26m. FEO-MnO-UNK FXR FILL.
10														
12														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-12 **PAGE:** 2 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

	GEOLOGY									STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12														
14														
16	BRX	SILICIFIED/ HFS MASSIVE QUARTZITE			<1%	QTZ± CHL ± MUSC FEO	SEE	NONE — WEAK FEO ALT ON FXS						FEO BRX (WEAK) @ ~ 15.73m 2 SMALL GOUGE ZONES IN SER-CHL SCHIST @ 16.69 - 16.79m & 17.09 - 17.19m.
18													NONE	
20														OTHERWISE COMPETANT SILICIFIED/HFS'D MASSIVE QUARTZITE.
22														MARKED BY A SHARP L.C. ⊃ 10 cm OF QTZITE BRX TO START H.W. BLK QTZITE.
23.43m		FEO HEALED QTZITE BRX + SER-CHL GOUGE									HW BRX			23.43m 23.43 - 25.38m: HANGING WALL QUARTZITE BLK + FEO ⊃ SERICITE - CHL GOUGE — DONE...

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
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C CONTACT
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GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

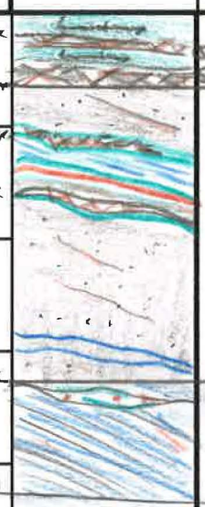
DRILL HOLE NA-12- 12 **PAGE:** 3 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24 FeO+ Brx – 25.38m		FeO HEATED QTZITE BRX + SBR-CHL GOUGE		?				NONE VIS.			BRX Lg GOU		6/5016	IN OTHER HOLES, A SPLAY OFF MFZ. SAMPLED LOWER 1/2 WHERE FeO ALT ENDS IN FeO ALT BRX – SHARP L.C.
26 QTZ+FeO BRX; QTZ VN BRX		BEDDED QUARTZITE			<2%	QTZ ± CHL, MUSC	FOL // + DEF	NONE			???		NONE	25.38 – 30.48m: BEDDED QUARTZITE
28														@ 27.43 – 27.45m: FeO HEATED QTZ VEIN BRX FOLLOWED BY GOUGED BEDS OF PHYLLITE + LOCAL BERSCRUND TEXT
30 – 30.48m														GRADATIONAL LOWER CONTACT.
32 – 32.29m		GRAPHITIC SCHIST						NONE		FeO50° ⊥			NONE	30.48 – 33.53m: 'MAPPABLE' GRAPHITIC SCHIST THAT IS LOCALLY (WEAKLY) SERICITIC AND GOUGED (THINLY, <3cm) ALONG BEDS. STARTS W/ DEF, FOL ⊥ VUGGY, MASS, QTZ + CHL + FeO VUGS (30.48 – 30.64m).
24														EOH = 32.29 m. (WOULD HAVE WENT ON TO INTERSECT M.F. 2 LY, OR, IS THE H WALL BRX + GOU 'SPLAY' NOW THE MFZ HERE?)

25.38m

30.48m

32.29m

QTZ QUARTZ
GAL GALENA
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PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

* LOGGED ON JUN-14-2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-13

PROPERTY	NABOB	START DATE	SEPT-2-2012	DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East	0490190	FINISH DATE	" "	DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North	7090874	CASING	3.05m (10')	NIGHT CREW	N/A	CORE SIZE	HTW-NTW (10') (HTW CASING)
ELEVATION	1715m	EOH =	22.25m (73')	DRILL TYPE	KD#1	HOLE SURVEY	—

DEPTH (m)	0m		
DIP	-75°		
AZM (Mag N)	285°		
AZM (True N)			

PURPOSE

NOTES SAME SET-UP AS NA-12-11 & 12.

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 2.9m 10' OF HTW CASING.
2														
2.90m		MASSIVE QUARTZITE WHITE SIL.			<3%	QTZ	FOL // + DEF	NONE		F-020 RTCA	SER GOUGE		NONE	2.90-8.06m: BLOCKY, BLUE-GREY (LOCALLY MAROONISH WHERE WEAKLY SIL) QUARTZITE W LOCAL GRAPH-SER SCHIST PARTINGS @ 4.63m IS 7-cm THICK SER. GOUGE. WEAKLY FEO ALT GALT @ 5.61-5.86m. > SILICIFIED W > FINE-SED PARTINGS TOWARDS L.C. GRADATIONAL L.C. MARKED BY FEO + SER GOUGE
4														
6														
8	8.06m										SER GOU			8.06-20.45m: SILICIFIED MASS. QTZITE THAT IS LOCALLY BRX'D (HEALED BY FEO). SAMPLED THE NABOB VEIN IN 2 PARTS -
10	NABOB VN	SILICIFIED QTZITE W LOCAL FEO BRX			4%	FEO ± HEM, MNO	VNS, FXR FILLS, BRX	SEE BELOW, + FEO BRX FXR FILLS (STEEP RTCA)		NOT APPARENT TO SILIC.	BRX BRX	NABOB	615017 615018 10.10m	FROM 10.10m - 11.00m IS > STRONG SER + FEO ALT (CHALKY) & BLEACHED APPEARING.
12													NONE	

QTZ QUARTZ
GAL GALENA
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V VEIN
MN MANG.

615017: NABOB VN 'PART #1' - BRX / SIL QTZITE ± QTZ VEIN BRX + FEO FILL + GAL VEINS.

615018: NABOB VEIN 'PART # 2' - AS ABOVE BUT < GAL + FEO, > MNO ± HEM.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 13 **PAGE:** 2 **OF** 2

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

		GEOLOGY									STRUCTURE				
	METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12												HEM ± MNO ± FEO	075° RTCA		SILICIFIED MASSIVE QUARTZITE... WIDE VARIATION IN COLOUR (BLUE-GREY, MARRON, WHITE-GREY)...
14			SILICIFIED MASSIVE QUARTZITE						NONE VISIBLE - LOCAL FEO HEATED BRX ± GOUGE, 070-080° STEEP HEM ± MNO ± FEO FXR FILLS/VEINS						@~15-16m ARE > MNO ± HEM LINED FXS.
16	LOCAL GRANITIC TEXT											HEM ± MNO ± FEO	080 RTCA	NONE	LOCAL INTENSE SILICIFICATION/HTS @ ~ 16m.
18	LOCAL FEO HEATED BRX ± GOUGE		FEO HEATED BRX ± FEO GOU									FEO GOU			FROM 17.24 - 17.39m IS LOCAL BRX/TED FXR FILLS OF HEM ± MNO ± FEO. → STEEP ~080° RTCA. FROM 18.00 - 18.30m IS ↑ FEO ALT HEATED BRX ± GOUGE, AGAIN @ ~ 18.96m.
20	20.45m														REL. SHARP L.C.
22	22.14m		BEDDED QTZITE - GRAPHITIC SCHIST	20.5 - 20.70m		<1% / 3%	FEO / QTZ	FXS @ START / FOL // + DEF	NONE		F-020 ⊥ 045°			NONE	20.45m - EOH: BEDDED BLUE-GREY QUARTZITE & GRAPHITIC SCHIST. LOCAL WEAK SILICIFICATION. NO VIS MIN. WIDE VAR. IN FOL/BEDDING. 20.45m 22.14
															EOH = 22.14m

QTZ QUARTZ
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FG FINE GRAINED
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* LOGGED ON JAN-30 2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12- 14 **PAGE:** 1 **OF** 3

PROPERTY	NABOB	**START DATE**	SEPT-3-2013	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East	0490170	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North	7090874	**CASING**	4.57m (15')	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (15') (HTW CASING)
ELEVATION	1715m	**EOH =**	30.81m	**DRILL TYPE**	KD#	**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES OVERALL, STAGES IN WIDE HFS-SKARN QTZITE → ↑ SiO_2 ALT → MAIN FAULT ZONE (20.05-26.00m) → BRX + FEO QTZ - GOUGED GRAPH-PHYL SCHIST - BLK + FEO QUARTZITE) ⇒ WEAKER MFZ ↳ INTERSECTION (SPLAY OFF OF MFZ?). GAL MIN IN NABOB VEIN CLOSE TO SURFACE (GAL STRINGERS/VEINS IN QUARTZ + FEO VEIN).

GEOLOGY										STRUCTURE				
METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 3.56m
2														
3.56m														3.56m
4														3.56m - 20.54m: MASSIVE, PREDOMINANTLY SKARNIFIED QUARTZITE W LOCALIZED V. INTENSE SiO_2 ALT.
6	CUBIC PYR QTZ VEIN	HFS MASSIVE QUARTZITE	5.20-6.10m	" "	70%	QTZ-FEO-GAL				I FE 040°?	NABOB VN FAULT		61501 9 5.20-6.10m	SAMPLED NABOB VEIN FROM 5.20-6.10m ⇒ GALENA VEINS/STRINGERS IN QUARTZ + FEO VEIN + HFS QUARTZITE BELOW HAS LOCAL QTZ + CHL + MUSC + GAL VEINS + TR CUBIC PYRITE.
8														CHECKLE TEXTURE AROUND 7.5m.
10		TIGER TEXT												FROM 9.08-9.27m IS FEO ALT GAL HORIZON.
12														LOCAL TIGER TEXTURE.



QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
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BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-14

PROPERTY	NABOB	START DATE		DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East		FINISH DATE		DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North		CASING		NIGHT CREW	N/A	CORE SIZE	
ELEVATION		EOH =		DRILL TYPE		HOLE SURVEY	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12											WEAK BRX			... HFS/SKARN QUARTZITE. FROM 12.63 - 13.00m IS LOCAL WEAK-MOD BRX + FEO.
14														
16		HFS/ MASSIVE QUARTZITE	15.87-16.15m	" "	40%	FEO-HEM	FXR FILLS	NONE		GENERALLY NOT VISIBLE DUE TO HFS! ∡° ~20-40° RTZA?	LOCAL BRX	FEO + HEM FXR/VN FILLS	NONE	FROM 15.55-15.65m IS A SHORT BAND OF BRX QUARTZITE + FEO → INTO ↑ FEO + HEM FXR FILLS/VEINS (WIGGS).
18	17.60m SiO2 ALT	BLEACHED SiO2 ↑↑												FROM 17.60m - 20.05m QRITITE IS ↑↑ SiO2 ALT. FROM 20.05-20.30m IS LOCAL BRX + FEO INTO WEAK BRX. SHARP L. CONTACT ORIENTED ∡° 030° RTZA.
20	20.54m										T BRX			
22		PHYLLITIC SCHIST + SER + GRAPH PARTINGS + GRIT						NONE		I 015° (∡° FOL STEEPENS ↓) I 090°	GOU GOU		NONE	20.54 - 25.00m: GENERALLY GOUGED PHYL. SCHIST w/ > GRAPH-SERICITIC PARTINGS, GRIT (3.5cm SECTION + FEO AROUND 23.00m) AND SMALL SECTIONS OF QUARTZITE. MOVEMENT RELATED TO MFZ ↓↑ APPARENT IN THESE UNITS
24														

17.60

20.54m

QTZ QUARTZ
GAL GALENA
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2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

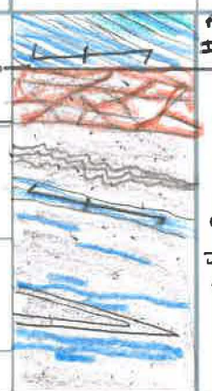
DRILL HOLE NA-12-14 PAGE: 3 OF 3

PROPERTY	NABOB	START DATE		DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East		FINISH DATE		DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North		CASING		NIGHT CREW	N/A	CORE SIZE	
ELEVATION		EOH =		DRILL TYPE		HOLE SURVEY	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	GEOLOGY: LITHOLOGIC LOG	GEOLOGY: LITHOLOGY	GEOLOGY: VEINING FROM (m) - TO (m)	GEOLOGY: MINERALIZ FROM (m) - TO (m)	GEOLOGY: VEIN DENSITY (% OF ROCK)	GEOLOGY: MINERAL	GEOLOGY: HABIT/ FORM	GEOLOGY: MINERALIZATION DESCRIPTION	GEOLOGY: %	STRUCTURE: FOLIATION OR BEDDING	STRUCTURE: FAULTS/ FXS/ DYKES	STRUCTURE: VEINS/ VEINLETS	STRUCTURE: SAMPLE	GEOLOGIC DESCRIPTION
20		PHYL SCHIST ± SER, GRAPH	24.00 - 24.45 m		< 8%	QTZ ± MUSC, CHL	DEF	NONE		~ I 040°	LOCAL GOU		NONE	↑ IN GRAPHITIC CONTINENT ↓ HOLE, SHARP LC TO COMPETANT QTZITE (BLK).
25.00														FROM 25.00 - 25.91 M IS FG MEATED RELATIVELY COMPETANT QUARTZITE BLK.
25.91m		BEDDED QUARTZITE ± GRAPHITIC ± PHYL SCHIST LAYERS			~1%	QTZ	DEF + FOL //	NONE		I to NO26° FOLD I to NO35°	LOCAL GOUGE		NONE	LOCAL, TIGHT, WAVY, SMALL-SCALE FOLDS FROM ~26.30 - 26.5m. FROM 28.5± - ~29.16m IS GRAPH-SER SCHIST. AGAIN FROM 29.5± - 30.40m, OPEN FOLD IN B/W LAYERS.
30														
30.81m														EOH = 30.81m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

* LOGGED JUN-14-2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-15

PROPERTY	NABOB	START DATE	SEPT-4-2012	DRILLED BY	KLUANE	LOGGED BY	L.R. Blackburn
UTM East	0490190	FINISH DATE	" "	DAY CREW	J. Galbraith	DATA ENTRY	L.R. Blackburn
UTM North	7090874	CASING	3.05m (10')	NIGHT CREW	N/A	CORE SIZE	HTW-NTW (10') (HTW CASING)
ELEVATION	1715m	EOH =	19.81m (65')	DRILL TYPE	KD# 1	HOLE SURVEY	—

DEPTH (m)	0 m		
DIP	~-90°		
AZM (Mag N)	310°		
AZM (True N)	334°		

PURPOSE

NOTES INTERSECTED THE NABOB VEIN A BIT DEEPER. HIT MINE SHAFT - LOST HOLE.

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0														OVB = 3.32m. HTW CASING TO 10' (3.05m).
2														
3.32m		MASSIVE QUARTZITE			<5%	QTZ	FOL/ + DEF	NONE		F = N T 030 RTZA			NONE	3.32m-11.05m: MASSIVE BLUE-GREY QUARTZITE W THIN, LOCAL PHYL + GRAPH PARTINGS THAT ARE COMMONLY GOUGED. > DEF + FOL // QUARTZ VEINS THAN USUAL. 3 PHYL + GRAPH GOUGE BEDS FROM 6m - 4.7m → GRAVEL GOUGE @ 4.45 + 4.6m. BLOCKY + BROKEN WEAKLY FEO ALT. CRIT FROM ~5.45-5.75m. @~10m IS ↑ QTZ ± CHL, MUSC, FEO VEINING = ↑ SILICIFICATION OF QTZITE. ↑ SIL/HTS TOWARDS L.C.
4														
6														
7.62-8m														
8														
10														
11.05m		SILICIFIED, LOC. INEARLY BRX + FEO QUARTZITE	11.35 - 13m	11.35 - 13m	80%	GAL + FEO + HEM + MNO	VN/FRR FILL	SEE BELOW		NONE EVIDENT	4	NABOB VEIN	61520 OVER	11.05-13.00m: SILICIFIED MASSIVE QTZITE W FEO ↑ NABOB VEIN FROM 11.35-13.00m. FEO BRX'D FXS AROUND VEIN.
12														

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

61520 (11.35 - 13.00m): COMPETANT, GOOD REC, HOMOGENEOUS / UNIFORM SAMPLE, ~3% OF UNK VFG BLUE-GREY SULPHIDE. HOSTED IN EARLY BRX'D QTZ VEIN HEALED BY FEO, MNO, ± HEM. HANGING WALL IS UNDER MASSIVE EARLY QTZ VEIN W LOCAL BRX AND FEO (↑) HEALED QUARTZITE BRX.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

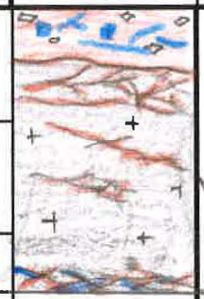
DRILL HOLE NA-12- 15

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)	0 m		
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

		GEOLOGY									STRUCTURE				
	METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12			SILICIFIED QUARTZITE w LOCAL FeO HEALED BRX	11.35-13.0m	" "	80%	GAL + FeO, MnO, HEM	VN INFILL	SEE 1ST PG.					61520 → 13.0m	FW OF VEIN IS > BRX'D (REL. MOD BRX) HEALED BY FeO.
14											NONE VISIBLE				INTO > COMPETENT GREY-BLUE, LOCALLY MAROON (HEM + FeO BLEEDS ALONG FXS?) SIL. QUARTZITE.
16															↑ IN FeO + MnO + HEM TOWARDS L.C.
	17.10m														EOH = 17.10m, HIT OLD WORKINGS + LOST HOLE.

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE* NA-12-16 **PAGE:** 1 **OF** 2

PROPERTY	NABOB	START DATE	SEPT-5-2012	DRILLED BY	KLUANE	LOGGED BY	L.R. BLACKBURN
UTM East	0490187	FINISH DATE	SEPT-6-2012	DAY CREW	J. GALBRAITH	DATA ENTRY	" "
UTM North	7090857	CASING	20 FT (6.10m)	NIGHT CREW	N/A	CORE SIZE	NTW
ELEVATION	1718m	[redacted]	EOH = 24.38m	DRILL TYPE	K2000	HOLE SURVEY	

DEPTH (m)	0m		
DIP	-60°		
AZM (Mag N)	285°		
AZM (True N)	313°		

PURPOSE TO EXPLORE NABOB VEIN TO THE S.W. FROM PREVIOUS HITS IN HOLES NA-12-12 → NA-12-15 (SAME SET-UP).

NOTES *Drilled in 2012. NABOB VEIN IS A SMALL QUARTZ VEIN + FeO. NO SAMPLES TAKEN.

METERS	LITHOLOGIC LOG	LITHOLOGY	% CORE REC.	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
0															OVB
2.5															
4.07															(CASING TO 6.10m)
5		MED. BEDDED QUARTZITE										GOUGE ⊥ TO C.A.			MED. BEDDED QUARTZITE W/ SERICITIC + GRAPHITIC SCHIST LAYERS. FAULT GOUGE (BLACK, GRAPHITIC) @ 4.65m - 4.79m. <10cm SCHIST LAYERS @ 6.10m-6.18m + 6.78m-6.88m
6.10m (CASING)															
7.5	QTZ ± FeO	NABOB VEIN		8.40m - 8.65m	TR. SULPHO	100%	TR SULPHO?	V-FG DISS.	POSSIBLE TRACE SULPHO IN QTZ + FeO VN	TR			↓ 030° ↓ 050°		@ 8.40m INTERSECT NABOB VEIN: QTZ + FeO ± AG - SULPHOSALTS? (TR, VFG). ENDS @ 8.65m. ↓ @ UC = 030° RTCA, ↓ @ LC = 050° RTCA. (OBLIQUE TO BEDDING)
				9.30-9.40m	N/A	5%	CC + QTZ	VUGGY	NO MIN IN PULL APART VEINS	N/A				NONE	
10		INTR? + FeO									B/F // 045°				MED. BEDDED QUARTZITE CONTINUES BUT W/ > FOLDED AND BEDDING // QTZ + FeO VNS + SMALL PULL APART QTZ + CC VNS. GRAPHITIC PHYLLITE LAYERS @ 9.72m - 10.04m, 11.10m - 11.79m, 15.43 - 15.87m. POSSIBLE "ROTTEN", FeO (BROWN) ALT BEDDING // AND NOT BEDDING // FG 'GRITTY' INTRUSIVE
12.5		INTR? + FeO		12.10 - 13.44m	TR / APY →	40%	APY ± SULPH	TRACE DISS.	ABUNDANT FOLDED VUGGY QTZ + CC ± APY + SULPHO	TR					
15		INTR? + FeO									B ⊥ 050°				@ 10.85m - 10.92m, 12.66m - 12.78m, 13.55 - 13.78m. SHARP CONTACTS. BEDDED QTZITE FROM ~ 13.97 - 14.17m IS PENETRATIVELY FeO ± HEM ALT AND GRITTY.

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

LEGEND
BEDDED QUARTZITE
GRAPHITIC SCHIST
SERITIC SCHIST
FeO-ALTERED 'ROTTEN' INTRUSIVE? → FeO ALT GRIT!
FeO + HEMATITIC FXS
MASSIVE QUARTZITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

LOGGED ON MAY-14-2013

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE* NA-12-16 **PAGE:** 2 **OF** 2

PROPERTY	NABOB	**START DATE**	SEPT-5-2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R.B
UTM East	490187	**FINISH DATE**	SEPT-6-2012	**DAY CREW**	J.GALBRAITH	**DATA ENTRY**	L.R.B
UTM North	7030857	**CASING**	20 FT (6.10m)	**NIGHT CREW**	N/A	**CORE SIZE**	NTW
ELEVATION	1718m	**EOH =**	24.38m	**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)	0m		
DIP	-60°		
AZM (Mag N)	285°		
AZM (True N)			

PURPOSE

NOTES *Drilled in 2012.

GEOLOGY

METERS	LITHOLOGIC LOG	LITHOLOGY	% CORE REC.	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%
15		MOD. BEDDED QTZITE								
15.87m										
		MASSIVE QUARTZITE		17.5m	N/A	20%	QTZ ± FeO	DEF.	DEF. QTZ ± FeO VNS	N/A
20				20.0m	N/A	15%	QTZ ± FeO	DET.	" "	N/A
				21.85m - 22.61m	N/A	3%	QTZ + CC	VUGGY	QTZ + CC RUB APART VEINLETS	N/A
24.38m										
25		BEDDED QTZITE W/ PHYL. LAYERS								
				29.39m - 29.67m	N/A	40%	QTZ + CLAY	'GOUGY'	'GOUGY' SOFT QTZ + CLAY VEINS IN SER. PHY SCHIST LAYER	N/A
30		30.48m (EOH)								

STRUCTURE

FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE
040° / RTCA B/F		FOLDED BED. // QTZ ± FeO VNS	
		FOLDED BED. // QTZ ± FeO VNS	
		QTZ + CC RUB APART VEINS	
055° B/F	GOUGE		ZONE
047° B/F			

GEOLOGIC DESCRIPTION

MED. BEDDED QUARTZITE CONTINUES. @ 15.41m - 15.87m IS PHYLLITIC SCHIST W QTZ 1 LYRS. SHARP U.C & GRADATIONAL LOWER CONTACT.

15.87m

MCR PACKAGE OF MASSIVE QUARTZITE W LOCALIZED FOLDED (EARLY) BEDDING PARALLEL QTZ ± FeO VEINS AND QTZ - CC RUB-APART VEINLETS.

SHARP LOWER CONTACT W GRAPHITIC FAULT GOUGE WITH FRACTURES BEDDING/FOLIATION @ N055° /90

24.38m

FAULT GOUGE @ 24.38m - 24.45m

THIN LAYER OF PHYL. SCHIST FROM 24.38 - 25.03m. BEDDED QUARTZITE W 3 (<1cm) THICK SCHIST LAYERS, 'GOUGY' FeO ALT INT @ 25.98m - 26.07m. FROM 27.59 - 28.18m IS SERICITIC PHYLLITIC SCHIST. FROM 29.39m - 29.67m IS A 'GOUGY' LAYER OF SERICITIC SCHIST W ABUNDANT STEEP RTCA QTZ + CLAY VEINS.

EOH @ 30.48m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

* LOGGED ON MAY-14-2013 *

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-17 **PAGE:** 1 **OF** 3

PROPERTY	NABOB	**START DATE**	SEPT. 7. 2012	**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn	**DEPTH (m)**	0m
UTM East	0492187	**FINISH DATE**	" "	**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn	**DIP**	-60°
UTM North	7090918	**CASING**	6.10m (20')	**NIGHT CREW**	N/A	**CORE SIZE**	HTW-NTW (20')	**AZM** (Mag N)	340°
ELEVATION	1710m	**EOH =**	30.48m	**DRILL TYPE**	KD#1	**HOLE SURVEY**		**AZM** (True N)	008°

PURPOSE

NOTES OVERALL, HOLE INTERSECTS BLUE-GREY BEDDED QUARTZITE W/ REPETITIVE GRAPHITIC SCHIST LAYERS THAT ARE OFTEN GOUGED. THE MAIN FAULT ZONE IS REPRESENTED BY A V. WIDE ZONE. SAMPLED A SHORT QTZITE BRX ZONE HEALED BY FEO. NO VISIBLE BANDS OF GRIT!

METERS	GEOLOGY: LITHOLOGIC LOG	GEOLOGY: LITHOLOGY	GEOLOGY: VEINING FROM (m) - TO (m)	GEOLOGY: MINERALIZ. FROM (m) - TO (m)	GEOLOGY: VEIN DENSITY (% OF ROCK)	GEOLOGY: MINERAL	GEOLOGY: HABIT/ FORM	GEOLOGY: MINERALIZATION DESCRIPTION	GEOLOGY: %	STRUCTURE: FOLIATION OR BEDDING	STRUCTURE: FAULTS/ FXS/ DYKES	STRUCTURE: VEINS/ VEINLETS	STRUCTURE: SAMPLE	GEOLOGIC DESCRIPTION
0														0 - 3.87m = OVB
2														
3.87														3.87m
4														BLUE-GREY QUARTZITE THAT IS LOCALLY COMPETANT AND HAS REPETITIVE, THIN (<10cm) GRAPHITIC RICH, LOCALLY SCHISTOSE, BEDS THAT ARE OFTEN GOUGED FROM ~10m - 10.30m IS QUARTZITE BRX LAYER (OFF SHOOT OF MAIN FAULT?) - HANGING WALL & FOOTWALL IS GRAPHITE ± SERICITE GOUGE. FEO LINED FXS - NOT PENETRATIVE
6		QUARTZITE						NONE					NONE	
8														
10		QTZ BRX												TOWARDS LOWER CONTACT, BEDDED QUARTZITE IS MORE COMPETANT W/ STACKED, SMALL, DEF QTZ + CAL ± SER VEINS.
12										I F=020		V 07°		

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
CR-F CROSS FAULT
BD-F BED. FAULT
GOU GOUGE
BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

DRILL HOLE NA-12-17 **PAGE:** 2 **OF** 3

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
12		BEDDED QUARTZ	12.60-13.45m	NONE	6%	QTZ ± CHL, SER	DEF	~070°		F= 025°	MF2 START		NONE	6-7% STACKED, ~070 TO 080° RTCA (⊥) QTZ± CHL VEINS. SHARP L.C. W/ GRAPH. GOUGE.
13.45m														13.45 - 23.60m: MAIN FAULT ZONE CHARACTERIZED BY BEDDED QTZITE THAT IS LOCALLY BRX W AN ABUNDANCE OF GRAPHITIC SCHIST BEDS THAT ARE OFTEN GOUGED - ~25% GOUGE OVERALL.
14														
16	GOUGE	BEDDED QTZITE W GRAPHITIC GOUGE						NO VIS. MIN.			MAIN FAULT ZONE		NONE	STRONGEST GOUGE LAYER IS WHITE-GREY W BANDS OF BLACK - PULVERIZED TO POWDER FROM (16-17m)
18					2%	QTZ ± CHL, SER	DEF						615010	615010: 18.75-19.81m OF FCO HEALED QTZITE BRX
20		FCO HEALED QTZITE BRX						FCO HEALED BRX						PERVASIVE FCO ALT FROM ~18.75-20m.
22		21.15-21.50m > BEDDED								020° = F	END OF MF2		NONE	LOWER CONTACT IS RELATIVELY SHARP + CHARACTERIZED BY AN ~0.75m SERICITE - GRAPHITE GOUGE ZONE.
23.60m		BEDDED QTZ.		NONE									NONE	23.60-30.48m: BEDDED QUARTZITE...
24											LOCAL SINISTRAL BEDDING FAULTS			

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
CG COURSE " "
V VEIN
MN MANG.

C CONTACT
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BX BRECCIA

2013 DRILL LOG: *KHEC/KLUANE - NABOB HIGH-GRADING PROJECT, KENO HILL, YUKON*

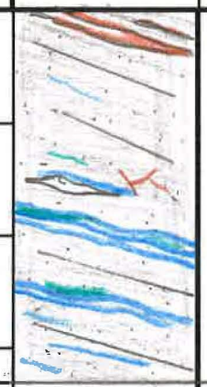
DRILL HOLE NA-12- 17

PROPERTY	NABOB	**START DATE**		**DRILLED BY**	KLUANE	**LOGGED BY**	L.R. Blackburn
UTM East		**FINISH DATE**		**DAY CREW**	J. Galbraith	**DATA ENTRY**	L.R. Blackburn
UTM North		**CASING**		**NIGHT CREW**	N/A	**CORE SIZE**	
ELEVATION		**EOH =**		**DRILL TYPE**		**HOLE SURVEY**	

DEPTH (m)			
DIP			
AZM (Mag N)			
AZM (True N)			

PURPOSE

NOTES

		GEOLOGY									STRUCTURE				
	METERS	LITHOLOGIC LOG	LITHOLOGY	VEINING FROM (m) - TO (m)	MINERALIZ. FROM (m) - TO (m)	VEIN DENSITY (% OF ROCK)	MINERAL	HABIT/ FORM	MINERALIZATION DESCRIPTION	%	FOLIATION OR BEDDING	FAULTS/ FXS/ DYKES	VEINS/ VEINLETS	SAMPLE	GEOLOGIC DESCRIPTION
24			BEDDED QUARTZITE	24.38 - 24.87	—	25%	QTZ + MUSC-FCO	MOGY	NONE VIS. VERY STEEP VUGGY VNS.		T F= 025°		V 087°	NONE	GLEIBRICHT STRUCTURES EVIDENT. MASSIVE QTZ + FCO + MUSC VEINS @ ∡ 087° @ 24.38-24.50m & 24.77-24.87m. OVERALL COMPETANT BEDDED QUARTZITE (BLUE-GREY) W REPETETIVE GRAPH I SER SCHIST BANDS.
26															
28									NONE						
30															
	30.48														EOH=30.48m

30.48m

QTZ QUARTZ
GAL GALENA
TET TETRAHEDRITE
PYR PYRARGERITE
ARG ARGENTITE
LIM LIMONITE

FG FINE GRAINED
MG MED. " "
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BX BRECCIA

Nabob - Lithologic Legend

Lithology	Rock Type	Description
OB	Overburden	
(H,B, BRX-) QTZT	Quartzite	Massive, blue-grey, competent Keno Hill Quartzite; also includes B-QTZT = Bedded Quartzite and H-QTZT = Hornfelsed Quartzite, BRX-QTZT = Quartzite breccia
GRT	Grit	Sandstone Grit, often penetratively FeO altered
G-SCH	Graphitic Schist	Dark grey to black, typically highly deformed schist
P-SCH	Phyllitic Schist	Blue-silvery grey, typically highly deformed and gouged
C/S-SCH	Chlorite Schist	Blue-green to yellowish-green, typically highly deformed and often gouged (Also includes the altered sericite schist)
MFZ VN	Main Fault Zone Vein	The Main Fault Zone may be represented by a Quartzite Breccia zone, gouge (often stacked short gouge along foliation in fine-grained units).
NB VN	Nabob Vein	Massive, Galena (+/- Ag-sulphosalts) vein
QTZ VN	Quartz Vein	Often massive, +/- brecciation, oriented perpindicular to parallel relative to core axis

EOH = End of Hole
MFZ = Main Fault Zone

After extensive digging completed in the 2012 and 2013 seasons - it became apparent that the Nabob Vein (NB VN) and the Main Fault Zone (MFZ) are most likely stacked structures that are part of the same system and not two distinct, discrete structures (i.e., **MFZ + NB VN = MFZ VN**).
The most common orientation of the MFZ vein observed is 060-070/020-070.
Note: MFZ VN flattens out at the Cliff trench where is is oriented ~065/020.

The **most notable change in strike in the MFZ structure occurred in the Main Trench at E0490204, N7090883 to ~E0490223, N7090901 and was characterized by abundant blood red-brown, oxidized FeO alteration (rock is soft and crumbly but not nessecarily gouged) - **assayed up to 0.25 opt Au and 50 opt Ag**

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-01	0.00	1.50	OB								
NA-12-01	1.50	12.96	QTZT								
NA-12-01	12.96	16.76	P/G-SCH	Phyllitic-Graphitic schist - > graphite down hole							
NA-12-01	16.76	24.38	QTZT								
NA-12-01	24.38	26.32	G/S-SCH	Graphitic-Sericitic schist							
NA-12-01	26.32	35.82	QTZT	Interbeds of altered grit (sandstone) and graphitic schist. Lower contact = sericite altered							
NA-12-01	35.82	39.01	QTZ VN	Massive qtz-sericite vein (65% of interval) hosted in massive Quartzite							
NA-12-01	39.01	50.29	BRX QTZT	Breccia body from 40.12-40.53m with z-folded graphitic schist bed below.							
NA-12-01	50.29		EOH								
NA-12-02	0.00	3.90	OB								
NA-12-02	3.90	13.29	QTZT	Interbedded, gouged (faults) beds of sericitic (and some graphitic) schist							
NA-12-02	13.29	14.31	S-SCH	Sericitic schist with local grit beds							
NA-12-02	14.31	19.81	QTZT	Locally bedded with grit and sericitic-graphitic schist							
NA-12-02	19.81	20.74	BRX QTZT	Start of Main Fault Zone - brecciated and locally gouged quartzite							
NA-12-02	20.74	21.24	QTZ VN	Brecciated quartz vein in Main Fault Zone							
NA-12-02	21.24	21.64	MFZ VN	Main Fault Vein - Galena vein + MnO, Hem and Ag-Sulphosalts	616004	21.24	21.64	0.40	110.76	22.37	861.00

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-02	21.64	25.52	QTZT	FeO healted quartzite breccia, end of Main Fault Zone	616005	21.64	23.14	1.50	5.47	2.83	31.90
NA-12-02			" "	" "	616006	23.14	24.64	1.50			19.70
NA-12-02	25.52	26.24	S-SCH	Sericitic schist with limonite-FeO altered beds							
NA-12-02	25.52	28.53	H-QTZT	Hornfelsed quartzite - > Si02 and locally sausseritized (clay altered)							
NA-12-02	28.53		EOH								
NA-12-03	0.00	3.14	OB								
NA-12-03	3.14	12.51	QTZT	Massive quartzite with interbedded graphitic schist beds							
NA-12-03	12.51	13.81	S-SCH	FeO altered sericitic schist							
NA-12-03	13.81	21.06	QTZT	Massive to locally bedded quartzite							
NA-12-03	21.06	21.86	QTZ VN	Deformed quartz vein	615001	21.06	21.86	0.80			1.30
NA-12-03	21.86	22.50	QTZT	Bedded quartzite with sericitic partings (that are often gouged)							
NA-12-03	22.50	23.00	MFZ VN	Main Fault Vein - galena vein hosted in Quartz Vein Breccia	615002	22.50	23.00	0.50	7.55	2.50	132.10
NA-12-03	23.00	23.70	QTZT	Quartzite hosting quartz vein breccia	615003	23.00	23.70	0.70	4.87	2.83	126.20
NA-12-03	23.70	30.78	H-QTZT	Hornfelsed (SiO2 alt) Quartzite with local sausseritization (clay alt)							
NA-12-03	30.78	32.33	S-SCH	Sericitic schist with local quartzose layers							
NA-12-03	32.33	34.90	H-QTZT	Hornfelsed (SiO2 alt) Quartzite with local pull-apart fxs							
NA-12-03	34.90	36.17	G-SCH	Graphitic schist with ptygmatic folding							

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-03	36.17	38.10	H-QTZT	Hornfelsed (SiO2 alt) Quartzite with local pull-apart fxs lined by FeO, abundant qtz-clay veins							
NA-12-03	38.10		EOH								
NA-12-04	0.00	3.77	OB								
NA-12-04	3.77	11.67	QTZT	Massive Quartzite with local graphitic and sericitic partings - increase in frequency downhole							
NA-12-04	11.67	13.50	GRT	FeO altered Sandstone Grit with Phyllitic Schist partings							
NA-12-04	13.50	16.76	QTZT	Bedded quartzite with Graphitic Schist partings							
NA-12-04	16.76	17.76	QTZ VN	Brecciated quartz vein healed by MnO-Hem+/- Ag-sulphosalts within Main Fault Zone	615007	16.76	17.76	1.00	4.30	2.33	73.00
NA-12-04	16.76	23.86	BRX H-QTZT	Hornfelsed quartzite breccia within Main Fault zone with locally preserved schist partings, healed by MnO-Feo+/-Hem downhole	615008	23.09	23.84	0.75			8.80
NA-12-04	23.86	24.88	H-QTZT	Competent Quartzite with local weak sausseritization (clay alteration)							
NA-12-04	24.88		EOH								
NA-12-05	0.00	4.17	OB								
NA-12-05	4.17	11.18	H-QTZT	Hornfesled Quartzite with Graphitic Schist beds and local grit, unit ends with Graphitic Schist bed							
NA-12-05	11.18	13.23	QTZT	Quartzite with massive, stockwork quartz vein							

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-05	13.23	13.83	G-SCH	Highly deformed Graphitic Schist with intercalated FeO altered Grit							
NA-12-05	13.83	16.15	BRX QTZT	Quartzite breccia with quartz vein stockwork comprising the Main Fault Zone							
NA-12-05	16.15	22.86	H-QTZT	Silica-sericite altered massive Hornfelsed Quartzite							
NA-12-05	22.86		EOH								
NA-12-06	0.00	2.60	OB								
NA-12-06	2.60	3.05	QTZT	Massive Quartzite OB?							
NA-12-06	3.05	7.26	G-SCH	S-Folds downhole							
NA-12-06	7.26	11.15	QTZT								
NA-12-06	11.15	11.94	BRX QTZT	Quartzite breccia healed by FeO							
NA-12-06	11.94	16.47	B-QTZT	Bedded Quartzite - layers of graphitic-phyllitic schist with FeO altered grit							
NA-12-06	16.47	18.60	G/P-SCH	Graphitic-Phyllitic schist with quartzose layers							
NA-12-06	18.60	20.75	H-QTZT	Hornfelsed quartzite with local breccia, gouge and FeO-healed brecciated quartz veins (start of Main Fault Zone)	615009	20.00	20.75	0.75	7.05		127.70
NA-12-06	20.75	22.16	P-SCH	Locally gouged Phyllitic schist in Main Fault Zone							
NA-12-06	22.16	29.90	B-QTZT	Bedded Quartzite - layers of phyllitic-graphitic schist +/- gouge and FeO altered grit; gradational lower contact							
NA-12-06	29.90	30.66	G-SCH	Graphitic schist with intercalations of FeO altered grit							

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-06	30.66	45.72	QTZT	Massive Quartzite with fractures filled by FeO+/-qtz, MnO							
NA-12-06	45.72		EOH								
NA-12-07	0.00	1.65	OB								
NA-12-07	1.65	10.67	H-QTZT	Bleached (clay altered?), very siliceous massive quartzite with local breccia-gouged fracture planes healed by FeO							
NA-12-08	0.00	1.79	OB								
NA-12-08	1.79	10.67	H-QTZT	Intensely silicified massive quartzite with brecciated FeO fracture planes demonstrating that here the Main Fault Zone flattens out!!!							
NA-12-08	10.67		EOH								
NA-12-09	0.00	1.70	OB								
NA-12-09	1.70	6.64	H-QTZT	Hornfelsed Quartzite - Main Fault Zone (?) weak brx from 3.5-4.6m							
NA-12-09	6.64	7.92	S/P-SCH	Sericite-Phyllite Schist with locally gouged beds							
NA-12-09	7.92	13.72	H-QTZT	Hornfelsed Quartzite - with thin layers of stacked phyllite-graphite schist, sedimentary greenstone							
NA-12-09	13.72		EOH								
NA-12-10	0.00	4.15	OB								

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-10	4.15	17.99	QTZT	Massive Quartzite with thin phyllitic partings and local FeO altered grit, gradational lower contact							
NA-12-10	17.99	37.76	B-QTZT	Bedded Quartzite - Graphitic Schist with numerous, relatively thin gouged and locally brecciated units							
NA-12-10	37.76		EOH								
NA-12-11	0.00	3.05	OB								
NA-12-11	3.05	16.10	H-QTZT	Hornfelsed Massive Quartzite with the Nabob Vein from 4.75-5.55m	615011	4.75	5.55	0.80	35.94	3.60	294.70
NA-12-11	16.10	16.70	MFZ VN	Main Fault Vein - FeO-Hem+/-MnO healed Quartzite Breccia with no visible galena	615012	16.10	16.70	0.60	6.07	1.56	50.50
NA-12-11	16.70	19.03	B-QTZT	Bedded Quartzite with 40% Phyllite-Graphite-Sericite Schist							
NA-12-11	19.03	23.32	BRX QTZT	FeO-healed Quartzite Breccia with multiple beds of un-altered phyllite-sericite schist bands (decrease in FeO fluids downhole)	615013	19.03	20.73	1.70			3.40
NA-12-11	23.32	27.55	QTZT	Massive Quartzite with local phyllitic-graphitic partings							
NA-12-11	27.55	30.48	B-QTZT	Bedded Quartzite with 45% Graphite Schist beds							
NA-12-11	30.48		EOH								
NA-12-12	0.00	4.57	OB								
NA-12-12	4.57	7.05	B-QTZT	Bedded Quartzite with layer of phyllitic schist, hornfels towards lower contact							

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-12	7.05	8.25	NB VN	Nabob Vein cutting early (brecciated) quartz vein	615014	7.05	7.45	0.40	75.56	18.63	711.80
NA-12-12			" "	" "	615015	7.45	8.25	0.80	4.48	1.33	257.90
NA-12-12	8.25	23.49	H-QTZT	Hornfelsed Quartzite with local gouged fine-grained beds and local, weak FeO breccia layers							
NA-12-12	23.49	25.38	BRX QTZT	Hanging wall Quartzite breccia healed by Feo fluids with sericite-chlorite gouge layers (Main Fault Zone?)	615016	24.38	25.38	1.00			7.60
NA-12-12	25.38	30.48	B-QTZT	Bedded Quartzite with layers of chlorite-graphite schist							
NA-12-12	30.48	32.29	G-SCH	Graphite Schist that is locally (weakly) sericitic and gouged along beds							
NA-12-12	32.29		EOH	Would have went on to intersect the Main Fault Zone? Or is the Hanging Wall Brx+gouge 'splay' the MFZ here?							
NA-12-13	0.00	2.90	OB								
NA-12-13	2.90	8.06	QTZT	Massive Quartzite that is broken and blocky with local graphite-sericite schist partings							
NA-12-13	8.06	20.45	H-QTZT	Hornfelsed Quartzite with hanging wall FeO healed breccia hosting the Nabob Vein (more FeO-healed brx downhole)	615017	8.60	9.30	0.70	3.53		432.30
NA-12-13			" "	" "	615018	9.30	10.10	0.80	4.80		441.50
NA-12-13	20.45	22.14	B-QTZT	Bedded Quartzite with ~30% graphitic schist							
NA-12-13	22.14		EOH								

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-14	0.00	3.56	OB								
NA-12-14	3.56	20.54	H-QTZT	Massive, predominantly Hornfelsed Quartzite with localized intense Si02 alteration, hosting the Nabob Vein	615019	5.20	6.10	0.90	23.10	1.56	436.30
NA-12-14	20.54	25.00	P-SCH	Phyllitic Schist with sericitic-graphitic partings and local grit (movement of MFZ is apparent in this unit)							
NA-12-14	25.00	25.91	BRX QTZT	Quarzite Breccia healed by FeO fluids (representing the end of the MFZ?)							
NA-12-14	25.91	30.81	B-QTZT	Bedded Quartzite with graphitic-phyllitic schist partings (~20% schist), tight fold towards EOH							
NA-12-14	30.81		EOH								
NA-12-15	0.00	3.32	OB								
NA-12-15	3.32	11.05	QTZT	Massive Quartzite with thin partings of phyllitic-graphitic schist that are commonly gouged, gradational lower contact							
NA-12-15	11.05	17.10	H-QTZT	Weakly silicified Hornfelsed Quartzite with local, weak FeO-healed breccia; hosting the Nabob Vein	615020	11.35	13.00	1.65	13.90		150.00
NA-12-15	17.10		EOH	Hit old underground workings and lost hole							
NA-12-16	0.00	4.07	OB								

HOLE ID	FROM (m)	TO (m)	LITHOLOGY	DETAILS	SAMPLE	FROM (m)	TO (m)	m	Ag (oz/t)	Pb (%)	Au (ppb)
NA-12-16	4.07	15.87	B-QTZT	Bedded Quartzite with sericitic-graphitic schist partings and local grit layers							
NA-12-16	15.87	24.38	QTZT	Massive Quartzite that exhibits folding, sharp lower contact marked by graphitic fault gouge							
NA-12-16	24.38	30.48	B-QTZT	Bedded Quartzite with phyllitic schist layers and local FeO altered grit							
NA-12-16	30.48		EOH								
NA-12-17	0.00	3.87	OB								
NA-12-17	3.87	13.45	QTZT	Competant Quartzite with ~10% graphitic schist partings and breccia bed from 10.00-10.30m							
NA-12-17	13.45	23.60	B-QTZT	Bedded Quartzite with ~30% Graphitic gouge (Main Fault Zone) and FeO-healed Quartzite breccia from 18.73-19.81	615010	18.73	19.81	1.08			0.60
NA-12-17	23.60	30.48	QTZT	Competant Quartzite with ~15% graphitic+/-sericite schist partings							
NA-12-17	30.48		EOH								

Nabob DDH Structures - MFZV NB VN

Hole_ID	Easting_ NAD83	Northing_ NAD83	Structure	From_m	To_m	Width_m
NA-12-02	490138	7090841	MFZ VN	21.24	21.64	0.40
NA-12-02	490138	7090841	MFZ	19.81	25.52	5.71
NA-12-03	490138	7090841	MFZ	22.50	23.70	1.20
NA-12-04	490124	7090843	MFZ	16.76	23.86	7.10
NA-12-05	490112	7090840	MFZ	13.83	16.15	2.32
NA-12-06	490061	7090815	MFZ	18.60	20.75	2.15
NA-12-08	490152	7090868	MFZ	5.00	5.25	0.25
NA-12-09	490154	7090872	MFZ?	3.50	4.60	1.1
NA-12-11	490190	7090874	NB VN	4.75	5.55	0.8
NA-12-11	490190	7090874	MFZ VN	16.10	16.70	0.6
NA-12-11	490190	7090874	MFZ? Splay	19.03	23.32	4.29
NA-12-12	490190	7090874	NB VN	7.05	8.25	1.2
NA-12-12	490190	7090874	MFZ? Splay	23.49	25.38	1.89
NA-12-13	490190	7090874	MFZ?	8.06	8.60	0.54
NA-12-13	490190	7090874	NB VN	8.60	10.10	1.5
NA-12-14	490190	7090874	NB VN	5.20	6.10	0.9
NA-12-14	490190	7090874	MFZ	25.00	25.91	0.9
NA-12-15	490190	7090874	NB VN	11.35	13.00	1.65
NA-12-16	490187	7090857	NB VN*	8.40	8.65	0.25
NA-12-17	490320	7090918	MFZ	13.45	23.60	10.15

*The dip of the vein at the upper contact (UC) is dipping 030 and the lower contact (LC) is dipping 050.

After extensive digging completed in the 2012 and 2013 seasons - it became apparent that the Nabob Vein (NB VN) and the Main Fault Zone (MFZ) are most likely stacked structures that are part of the same system and not two distinct, discrete structures (i.e., **MFZ + NB VN = MFZV**).
The most common orientation of the MFZ vein observed is 060-070/020-070.
Note: MFZV flattens out at the Cliff trench where is is oriented ~065/020.

Appendix II *– Nabob Property - Assay Certificates (2012 Exploration Program)*

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Submitted By: Matthias Bindig
Receiving Lab: Canada-Whitehorse
Received: June 07, 2013
Report Date: July 08, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI13000027.1

CLIENT JOB INFORMATION

Project: NABOB
Shipment ID:
P.O. Number
Number of Samples: 20

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	20	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1DX3	20	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
7TD	10	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
G6Gr-50	14	Lead collection fire assay 50G fusion - Grav finish	50	Completed	VAN
7TD.1	2	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: H. Coyne & Sons
14 MacDonald Rd.
Whitehorse YT Y1A 4L2
CANADA

CC: Jim Coyne

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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PHONE (604) 253-3158

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: July 08, 2013

CERTIFICATE OF ANALYSIS WHI13000027.1

		Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
615001	Drill Core		1.96	0.1	5.5	25.3	215	0.4	3.4	1.2	326	0.44	15.4	1.3	0.9	3	3.1	1.1	<0.1	<2	0.03	0.013
615002	Drill Core		1.60	3.3	121.4	>10000	1582	>100	14.7	14.8	>10000	3.17	208.5	132.1	1.4	10	13.6	142.2	0.4	2	0.01	0.034
615003	Drill Core		1.37	4.7	125.3	>10000	1527	>100	25.8	6.0	374	5.00	1930	126.2	3.6	4	7.2	508.3	0.8	3	<0.01	0.071
615004	Drill Core		1.38	6.3	927.0	>10000	2514	>100	15.4	17.5	>10000	4.32	332.0	861.0	0.4	36	63.1	1267	0.7	<2	0.02	0.163
615005	Drill Core		4.00	1.7	44.9	>10000	566	>100	6.8	3.7	1833	3.15	411.9	31.9	1.1	3	4.6	130.9	0.2	<2	<0.01	0.019
615006	Drill Core		3.21	1.0	24.3	4172	560	65.1	10.1	0.9	100	2.68	454.5	19.7	1.4	<1	1.6	64.6	0.1	<2	<0.01	0.016
615007	Drill Core		2.72	2.2	57.0	>10000	4043	>100	29.3	23.5	>10000	5.17	415.9	73.0	0.9	27	47.4	313.1	0.3	3	0.01	0.046
615008	Drill Core		1.79	0.8	25.8	5379	697	50.1	10.6	8.1	3665	2.78	243.9	8.8	1.3	20	8.0	18.6	0.2	<2	<0.01	0.018
615009	Drill Core		1.59	0.9	147.6	5981	930	>100	7.5	1.4	475	3.01	553.0	127.7	2.4	3	4.7	175.4	0.2	2	<0.01	0.053
615010	Drill Core		0.99	0.6	12.4	70.5	466	1.0	20.3	10.1	174	3.57	16.8	0.6	2.1	1	1.2	2.3	<0.1	4	<0.01	0.044
615011	Drill Core		0.70	1.8	510.0	>10000	2802	>100	37.9	16.3	>10000	9.84	758.7	294.7	0.8	14	24.2	357.6	0.3	4	0.01	0.043
615012	Drill Core		1.86	2.5	292.2	>10000	2676	>100	21.3	8.0	5888	9.49	421.4	50.5	0.9	<1	7.2	107.9	<0.1	3	<0.01	0.046
615013	Drill Core		3.71	0.4	17.8	1108	824	9.4	15.4	4.1	1942	2.94	429.0	3.4	1.1	4	10.4	8.2	<0.1	<2	<0.01	0.013
615014	Drill Core		1.11	2.7	448.9	>10000	6748	>100	76.6	25.6	>10000	23.03	678.9	711.8	0.5	31	72.0	1018	0.3	10	0.02	0.028
615015	Drill Core		1.85	2.4	66.0	>10000	2056	>100	14.5	8.6	4003	5.47	740.7	257.9	0.7	2	8.3	227.8	0.4	<2	<0.01	0.029
615016	Drill Core		1.66	0.7	34.5	1921	451	7.2	7.7	2.7	681	2.00	182.5	7.6	1.6	2	1.4	45.9	<0.1	<2	<0.01	0.026
615017	Drill Core		1.95	2.1	63.6	5918	5087	>100	62.5	28.4	>10000	15.29	540.3	432.3	0.9	30	75.5	76.3	0.3	6	0.01	0.042
615018	Drill Core		2.21	2.4	87.8	5760	6725	>100	72.2	24.7	>10000	21.05	437.1	441.5	0.7	24	55.4	78.6	1.5	7	<0.01	0.042
615019	Drill Core		0.95	3.5	775.9	>10000	3401	>100	35.9	11.7	6470	9.73	758.3	436.3	0.9	3	10.5	735.6	0.3	4	<0.01	0.043
615020	Drill Core		4.00	2.3	127.4	3975	6537	>100	45.2	23.8	>10000	25.48	845.4	150.0	0.6	71	113.9	156.8	<0.1	9	0.01	0.049

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: July 08, 2013

CERTIFICATE OF ANALYSIS WHI13000027.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7TD	G6Gr-50	7TD.1
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Ag	Pb
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	50	0.02
615001	Drill Core	3	6	<0.01	4	<0.001	2	0.03	0.001	0.01	0.5	0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2			
615002	Drill Core	5	4	<0.01	34	<0.001	3	0.13	0.003	0.04	0.5	1.00	0.8	0.4	0.06	<1	<0.5	<0.2	2.50	214	
615003	Drill Core	9	4	<0.01	31	<0.001	1	0.22	0.004	0.06	1.8	0.22	0.9	0.1	<0.05	<1	<0.5	<0.2	2.83	138	
615004	Drill Core	<1	3	<0.01	58	0.001	<1	0.10	0.002	0.03	0.9	5.13	1.0	1.2	1.62	<1	<0.5	<0.2	>10	3140	22.37
615005	Drill Core	4	3	<0.01	13	<0.001	<1	0.06	0.002	0.02	1.1	0.14	0.5	<0.1	<0.05	<1	<0.5	<0.2	2.83	155	
615006	Drill Core	5	3	<0.01	9	<0.001	<1	0.08	0.001	0.02	0.8	0.11	0.3	<0.1	<0.05	<1	<0.5	<0.2			
615007	Drill Core	3	3	<0.01	50	<0.001	2	0.08	0.002	0.02	0.7	0.52	1.0	0.4	<0.05	<1	<0.5	<0.2	2.33	122	
615008	Drill Core	4	2	<0.01	25	<0.001	1	0.06	<0.001	0.01	0.1	0.09	0.7	0.1	<0.05	<1	<0.5	<0.2			
615009	Drill Core	4	3	<0.01	12	<0.001	<1	0.15	0.002	0.02	2.0	0.50	0.6	<0.1	0.11	<1	<0.5	<0.2		200	
615010	Drill Core	7	7	0.03	11	<0.001	<1	0.18	0.001	0.01	<0.1	0.02	0.9	<0.1	<0.05	<1	<0.5	<0.2			
615011	Drill Core	1	5	<0.01	61	<0.001	3	0.10	0.003	0.01	0.3	0.70	1.7	0.2	0.10	1	<0.5	<0.2	3.60	1019	
615012	Drill Core	2	3	<0.01	9	<0.001	<1	0.13	0.001	<0.01	0.3	0.25	1.1	<0.1	<0.05	<1	<0.5	<0.2	1.56	172	
615013	Drill Core	3	3	<0.01	17	<0.001	<1	0.08	0.001	0.02	<0.1	0.03	0.4	0.2	<0.05	<1	<0.5	<0.2			
615014	Drill Core	<1	2	0.02	90	<0.001	1	0.05	0.003	0.02	0.9	1.08	3.8	0.4	1.44	1	2.3	<0.2	>10	2142	18.63
615015	Drill Core	2	2	<0.01	13	<0.001	1	0.04	0.001	0.01	0.3	0.13	0.9	<0.1	<0.05	<1	<0.5	<0.2	1.33	127	
615016	Drill Core	5	4	<0.01	13	<0.001	2	0.11	0.002	0.03	1.2	0.06	0.5	<0.1	<0.05	<1	<0.5	<0.2			
615017	Drill Core	2	3	<0.01	101	<0.001	1	0.09	0.002	0.02	0.4	0.22	2.5	0.9	<0.05	1	<0.5	<0.2		100	
615018	Drill Core	1	3	<0.01	111	<0.001	1	0.07	0.002	0.02	0.8	0.50	3.5	1.2	<0.05	<1	<0.5	<0.2		136	
615019	Drill Core	2	3	<0.01	18	<0.001	<1	0.10	0.003	0.02	0.7	0.87	1.4	<0.1	<0.05	<1	<0.5	<0.2	1.56	655	
615020	Drill Core	1	2	<0.01	152	<0.001	1	0.08	0.003	0.04	0.5	0.51	3.3	1.3	<0.05	1	0.7	<0.2		394	

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Acme Analytical Laboratories (Vancouver) Ltd.
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PHONE (604) 253-3158

www.acmelab.com

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: July 08, 2013

QUALITY CONTROL REPORT WHI13000027.1

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
REP G1-WHI	QC		0.1	3.0	2.8	46	<0.1	2.8	4.1	539	1.81	<0.5	<0.5	4.4	57	<0.1	<0.1	<0.1	33	0.42	0.080
615010	Drill Core	0.99	0.6	12.4	70.5	466	1.0	20.3	10.1	174	3.57	16.8	0.6	2.1	1	1.2	2.3	<0.1	4	<0.01	0.044
REP 615010	QC		0.6	12.5	70.5	441	0.9	19.4	10.1	175	3.57	16.4	1.8	2.0	1	1.0	2.1	<0.1	3	<0.01	0.044
615014	Drill Core	1.11	2.7	448.9	>10000	6748	>100	76.6	25.6	>10000	23.03	678.9	711.8	0.5	31	72.0	1018	0.3	10	0.02	0.028
REP 615014	QC																				
615019	Drill Core	0.95	3.5	775.9	>10000	3401	>100	35.9	11.7	6470	9.73	758.3	436.3	0.9	3	10.5	735.6	0.3	4	<0.01	0.043
REP 615019	QC																				
Core Reject Duplicates																					
615018	Drill Core	2.21	2.4	87.8	5760	6725	>100	72.2	24.7	>10000	21.05	437.1	441.5	0.7	24	55.4	78.6	1.5	7	<0.01	0.042
DUP 615018	QC		3.4	99.3	6332	8207	>100	81.7	26.7	>10000	25.08	611.7	196.2	0.9	24	57.5	111.6	1.6	9	<0.01	0.046
Reference Materials																					
STD AGPROOF	Standard																				
STD CCU-1C	Standard																				
STD CDN-ME-6	Standard																				
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD CZN-3	Standard																				
STD DS9	Standard		12.4	100.5	118.2	291	1.9	35.9	6.8	545	2.13	24.0	106.8	6.0	71	2.5	6.3	7.0	35	0.68	0.080
STD PTC-1A	Standard																				
STD SP49	Standard																				
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD SP49 Expected																					
STD AGPROOF Expected																					
STD CDN-ME-6 Expected																					
STD CDN-ME-14 Expected																					
STD CZN-3 Expected																					
STD CCU-1C Expected																					
STD PTC-1A Expected																					

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: July 08, 2013

QUALITY CONTROL REPORT WHI13000027.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7TD G6Gr-50		7TD.1
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Ag	Pb
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	50	0.02
Pulp Duplicates																					
REP G1-WHI	QC	8	7	0.57	212	0.111	<1	0.89	0.058	0.47	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2			
615010	Drill Core	7	7	0.03	11	<0.001	<1	0.18	0.001	0.01	<0.1	0.02	0.9	<0.1	<0.05	<1	<0.5	<0.2			
REP 615010	QC	7	7	0.03	11	<0.001	<1	0.17	0.001	0.01	<0.1	0.02	1.0	<0.1	<0.05	<1	0.6	<0.2			
615014	Drill Core	<1	2	0.02	90	<0.001	1	0.05	0.003	0.02	0.9	1.08	3.8	0.4	1.44	1	2.3	<0.2	>10	2142	18.63
REP 615014	QC																				19.00
615019	Drill Core	2	3	<0.01	18	<0.001	<1	0.10	0.003	0.02	0.7	0.87	1.4	<0.1	<0.05	<1	<0.5	<0.2	1.56	655	
REP 615019	QC																		1.54	633	
Core Reject Duplicates																					
615018	Drill Core	1	3	<0.01	111	<0.001	1	0.07	0.002	0.02	0.8	0.50	3.5	1.2	<0.05	<1	<0.5	<0.2		136	
DUP 615018	QC	2	3	0.01	112	<0.001	1	0.07	0.003	0.02	1.4	0.49	4.2	1.2	<0.05	<1	0.5	<0.2		138	
Reference Materials																					
STD AGPROOF	Standard																			94	
STD CCU-1C	Standard																				0.32
STD CDN-ME-6	Standard																			101	
STD CDN-ME-14	Standard																		0.49		
STD CDN-ME-9	Standard																		<0.02		
STD CZN-3	Standard																				0.09
STD DS9	Standard	12	112	0.59	268	0.103	3	0.89	0.078	0.38	2.8	0.18	2.4	4.9	0.15	4	4.5	5.3			
STD PTC-1A	Standard																				0.03
STD SP49	Standard																			57	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02			
STD SP49 Expected																				60.2	
STD AGPROOF Expected																				94	
STD CDN-ME-6 Expected																				101	
STD CDN-ME-14 Expected																			0.495		
STD CZN-3 Expected																					0.113
STD CCU-1C Expected																					0.34
STD PTC-1A Expected																					0.05

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: July 08, 2013

QUALITY CONTROL REPORT WHI13000027.1

		WGHT Wgt kg 0.01	1DX30 Mo ppm 0.1	1DX30 Cu ppm 0.1	1DX30 Pb ppm 0.1	1DX30 Zn ppm 1	1DX30 Ag ppm 0.1	1DX30 Ni ppm 0.1	1DX30 Co ppm 0.1	1DX30 Mn ppm 1	1DX30 Fe % 0.01	1DX30 As ppm 0.5	1DX30 Au ppb 0.5	1DX30 Th ppm 0.1	1DX30 Sr ppm 1	1DX30 Cd ppm 0.1	1DX30 Sb ppm 0.1	1DX30 Bi ppm 0.1	1DX30 V ppm 2	1DX30 Ca % 0.01	1DX30 P % 0.001
BLK	Blank		<0.1	0.2	0.4	<1	0.1	<0.1	<0.1	2	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		<0.1	6.9	5.5	49	<0.1	3.0	3.8	537	1.81	<0.5	0.8	4.6	54	<0.1	<0.1	<0.1	33	0.41	0.079
G1-WHI	Prep Blank																				
G1-WHI	Prep Blank		<0.1	3.1	3.2	44	<0.1	2.7	3.7	516	1.73	<0.5	<0.5	4.1	56	<0.1	<0.1	<0.1	32	0.39	0.073

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Project: NABOB
Report Date: July 08, 2013

QUALITY CONTROL REPORT WHI13000027.1

		1DX30 La ppm 1	1DX30 Cr ppm 1	1DX30 Mg % 0.01	1DX30 Ba ppm 1	1DX30 Ti % 0.001	1DX30 B ppm 1	1DX30 Al % 0.01	1DX30 Na % 0.001	1DX30 K % 0.01	1DX30 W ppm 0.1	1DX30 Hg ppm 0.01	1DX30 Sc ppm 0.1	1DX30 Tl ppm 0.1	1DX30 S % 0.05	1DX30 Ga ppm 1	1DX30 Se ppm 0.5	1DX30 Te ppm 0.2	7TD G6 Pb % 0.02	Gr-50 Ag gm/t 50	7TD.1 Pb % 0.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																			<50	
BLK	Blank																		<0.02		
BLK	Blank																				<0.02
Prep Wash																					
G1-WHI	Prep Blank	9	8	0.56	214	0.114	1	0.88	0.064	0.47	<0.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2			
G1-WHI	Prep Blank																				
G1-WHI	Prep Blank	8	7	0.55	203	0.104	<1	0.84	0.055	0.45	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2			

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Submitted By: Matthias Bindig
Receiving Lab: Canada-Whitehorse
Received: April 03, 2012
Report Date: April 24, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI12000026.2

CLIENT JOB INFORMATION

Project: NABOB
Shipment ID:
P.O. Number
Number of Samples: 5

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	5	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1DX3	5	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
7TD	5	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
G6	1	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : G613 included.

Invoice To: Keno Hill Exploration
PO Box 15
Keno City YT Y0B 1M0
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: April 24, 2012

CERTIFICATE OF ANALYSIS WHI12000026.2

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
NABD 12-01	Rock	0.88	2.8	111.3	>10000	1630	>100	21.2	14.1	9545	6.41	1114	191.0	1.1	11	26.8	87.1	0.1	<2	<0.01	0.107
NABD 12-02	Rock	1.79	15.0	392.6	>10000	2523	>100	51.1	12.2	753	14.13	1458	517.9	1.2	1	6.1	520.4	0.1	<2	<0.01	0.095
NABD 12-03	Rock	3.63	11.6	290.7	>10000	1755	>100	33.6	11.8	3327	9.22	926.1	306.4	0.8	3	8.6	363.3	0.1	<2	<0.01	0.062
NABD 12-04	Rock	2.35	7.6	152.4	>10000	3143	>100	37.2	23.9	>10000	11.89	2094	91.0	0.9	9	23.8	138.3	<0.1	<2	<0.01	0.138
NABD 12-05	Rock	2.21	4.3	138.2	>10000	1397	>100	21.1	9.7	6551	6.51	1035	214.9	1.2	3	12.3	150.2	0.2	<2	<0.01	0.047

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Project: NABOB
Report Date: April 24, 2012

CERTIFICATE OF ANALYSIS WHI12000026.2

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7TD	7TD	G6Gr
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Ag	Ag
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	gm/t
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	2	50
NABD 12-01	Rock	3	3	<0.01	32	0.005	1	0.16	0.003	0.03	0.3	0.18	1.1	0.2	0.05	<1	<0.5	<0.2	3.57	288	N.A.
NABD 12-02	Rock	2	3	<0.01	15	<0.001	1	0.20	0.002	0.04	0.1	0.37	1.7	<0.1	<0.05	<1	<0.5	<0.2	2.42	>300	340
NABD 12-03	Rock	2	3	<0.01	13	0.001	2	0.14	0.002	0.03	0.2	0.25	1.7	<0.1	<0.05	<1	<0.5	<0.2	2.53	248	N.A.
NABD 12-04	Rock	2	2	<0.01	33	0.001	<1	0.10	0.002	0.02	0.4	0.09	1.9	0.4	<0.05	<1	<0.5	<0.2	5.25	130	N.A.
NABD 12-05	Rock	3	3	<0.01	21	<0.001	7	0.15	0.002	0.03	<0.1	0.19	1.1	0.1	<0.05	<1	<0.5	<0.2	4.34	145	N.A.

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PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: April 24, 2012

QUALITY CONTROL REPORT WHI12000026.2

	Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
NABD 12-01	Rock	0.88	2.8	111.3	>10000	1630	>100	21.2	14.1	9545	6.41	1114	191.0	1.1	11	26.8	87.1	0.1	<2	<0.01	0.107
REP NABD 12-01	QC																				
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-ME-14	Standard																				
STD DS8	Standard		13.7	112.6	125.2	309	1.7	38.5	7.6	615	2.47	25.3	113.7	7.7	61	2.4	4.8	5.4	43	0.72	0.083
STD SP49	Standard																				
STD SU-1B	Standard																				
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
STD SU-1B Expected																					
STD CDN-ME-14 Expected																					
STD SP49 Expected																					
STD AGPROOF Expected																					
BLK	Blank		<0.1	0.3	0.3	2	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		<0.1	2.5	3.8	46	<0.1	3.0	3.9	584	2.02	<0.5	<0.5	6.0	57	<0.1	<0.1	<0.1	39	0.54	0.081

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Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: April 24, 2012

QUALITY CONTROL REPORT WHI12000026.2

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7TD	7TD	G6Gr
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Ag	Ag
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	gm/t	gm/t
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	2	50
Pulp Duplicates																					
NABD 12-01	Rock	3	3	<0.01	32	0.005	1	0.16	0.003	0.03	0.3	0.18	1.1	0.2	0.05	<1	<0.5	<0.2	3.57	288	N.A.
REP NABD 12-01	QC																		3.55	277	
Reference Materials																					
STD AGPROOF	Standard																				88
STD CDN-ME-14	Standard																		0.52	40	
STD DS8	Standard	14	121	0.62	277	0.126	2	0.93	0.092	0.42	2.8	0.19	2.6	5.1	0.17	5	5.6	4.7			
STD SP49	Standard																				60
STD SU-1B	Standard																		<0.02	6	
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5			
STD SU-1B Expected																			0.0058	6.4	
STD CDN-ME-14 Expected																			0.495	45	
STD SP49 Expected																					60.2
STD AGPROOF Expected																					94
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																		<0.02	<2	
BLK	Blank																				<50
BLK	Blank																				<50
Prep Wash																					
G1-WHI	Prep Blank	13	5	0.53	164	0.129	<1	0.98	0.104	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2			N.A.

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Submitted By: Matthias Bindig
Receiving Lab: Canada-Whitehorse
Received: September 06, 2012
Report Date: October 03, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI12000839.1

CLIENT JOB INFORMATION

Project: NABOB
Shipment ID:
P.O. Number
Number of Samples: 13

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	13	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G614	13	Lead collection fire assay 50G fusion - Grav finish	50	Completed	VAN
1DX3	13	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
7TD	13	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	8	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Keno Hill Exploration
PO Box 15
Keno City YT Y0B 1M0
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: October 03, 2012

CERTIFICATE OF ANALYSIS WHI12000839.1

Method		WGHT	G6Gr-50	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte		Wgt	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	50	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
NA-12-10	Rock	2.44	7324	11.9	967.1	>10000	1725	>100	11.4	7.1	3938	4.82	915.9	1284	0.4	28	85.8	>2000	16.5	2	0.06
NA-12-11	Rock	4.97	5240	6.1	434.4	>10000	817	>100	7.4	1.8	280	2.62	723.5	544.1	0.7	23	37.3	1501	4.7	2	0.02
NA-12-12	Rock	3.21	3697	7.7	405.1	>10000	715	>100	10.0	9.5	5878	3.24	371.9	568.7	1.0	14	61.0	532.2	3.7	4	0.02
NA-12-13	Rock	4.90	3617	1.6	1419	>10000	1326	>100	13.5	2.0	111	2.83	652.4	146.8	0.5	28	53.6	>2000	1.6	2	0.09
NA-12-14	Rock	3.98	9280	0.4	1676	>10000	1532	>100	11.2	1.7	375	3.72	458.6	2060	1.8	9	75.8	>2000	0.3	4	0.02
NA-12-15	Rock	2.66	4796	2.2	404.4	>10000	950	>100	5.1	0.8	116	1.47	301.3	435.9	0.2	14	51.1	>2000	6.1	<2	0.02
NA-12-16	Rock	2.55	923	1.4	85.3	>10000	224	>100	3.5	0.8	387	0.85	145.5	47.1	1.3	7	5.8	284.1	1.2	2	0.01
NA-12-17	Rock	2.56	1295	1.6	993.4	>10000	3204	>100	43.9	6.7	407	10.28	1608	625.1	1.5	3	9.3	1047	0.1	8	<0.01
NA-12-18	Rock	3.16	527	12.9	795.2	>10000	3685	>100	37.5	7.6	2581	11.52	1605	579.0	0.9	7	14.2	406.0	3.3	5	0.03
NA-12-19	Rock	2.72	326	4.1	459.1	>10000	4376	>100	42.8	8.0	2441	11.54	1386	338.6	1.0	2	7.7	1363	<0.1	4	0.02
NA-12-20	Rock	2.97	1093	7.2	611.5	>10000	1866	>100	25.8	4.4	1114	5.86	1107	799.3	1.2	9	19.5	292.1	3.3	5	0.10
NA-12-21	Rock	1.74	1647	0.2	162.8	>10000	184	>100	3.4	0.2	49	1.33	5287	252.6	1.5	2	9.3	577.5	0.4	<2	<0.01
BONNIE	Rock	3.70	1844	3.3	2600	>10000	>10000	>100	33.6	13.4	>10000	20.04	1174	267.9	0.5	51	386.0	1725	9.7	6	0.16

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Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: October 03, 2012

CERTIFICATE OF ANALYSIS WHI12000839.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7TD	7TD
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	0.01
NA-12-10	Rock	0.316	1	4	<0.01	28	<0.001	<1	0.18	<0.001	0.02	0.2	8.42	1.0	0.4	4.05	<1	10.8	<0.2	>10	0.15
NA-12-11	Rock	0.121	<1	4	<0.01	33	<0.001	2	0.15	<0.001	0.02	<0.1	5.83	0.5	0.4	6.16	<1	5.7	<0.2	>10	0.08
NA-12-12	Rock	0.094	2	6	<0.01	15	<0.001	<1	0.24	0.001	0.03	0.1	4.25	1.2	0.1	0.45	<1	5.2	<0.2	>10	0.07
NA-12-13	Rock	0.439	1	3	<0.01	45	0.002	2	0.25	<0.001	0.03	0.3	1.45	0.6	0.5	5.42	<1	3.0	<0.2	>10	0.13
NA-12-14	Rock	0.225	1	8	<0.01	45	0.001	2	0.42	0.001	0.04	<0.1	6.40	2.3	0.3	3.29	<1	3.5	<0.2	>10	0.14
NA-12-15	Rock	0.100	<1	3	<0.01	17	<0.001	<1	0.08	<0.001	<0.01	<0.1	4.01	0.5	0.5	8.89	<1	5.8	<0.2	>10	0.10
NA-12-16	Rock	0.049	3	10	<0.01	20	<0.001	3	0.13	0.002	0.05	<0.1	1.20	0.4	0.1	0.08	<1	1.7	<0.2	>10	0.02
NA-12-17	Rock	0.105	3	11	<0.01	36	0.001	<1	0.62	0.004	0.06	0.2	3.90	2.9	<0.1	0.25	<1	5.7	<0.2	1.39	0.31
NA-12-18	Rock	0.255	2	11	<0.01	15	0.001	<1	0.32	0.002	0.03	0.2	3.34	1.7	<0.1	0.11	<1	5.0	<0.2	7.12	0.35
NA-12-19	Rock	0.148	2	9	<0.01	13	0.001	2	0.20	0.002	0.03	0.3	0.69	1.0	<0.1	0.05	<1	0.8	<0.2	2.51	0.43
NA-12-20	Rock	0.474	3	10	<0.01	16	0.002	3	0.38	0.001	0.05	0.2	3.08	1.6	0.1	0.19	<1	1.8	<0.2	9.90	0.18
NA-12-21	Rock	0.006	4	23	<0.01	44	<0.001	2	0.10	0.004	0.05	<0.1	0.62	0.2	0.2	0.16	<1	1.4	<0.2	1.09	0.02
BONNIE	Rock	0.009	<1	5	0.23	67	<0.001	1	0.14	0.024	0.06	<0.1	1.90	2.4	0.5	2.24	1	2.7	<0.2	>10	2.28

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Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: October 03, 2012

CERTIFICATE OF ANALYSIS WHI12000839.1

		Method	7TD	7TD.1
		Analyte	Sb	Pb
		Unit	%	%
		MDL	0.01	0.02
NA-12-10	Rock		0.21	57.63
NA-12-11	Rock		0.16	56.87
NA-12-12	Rock		0.06	42.22
NA-12-13	Rock		0.21	66.30
NA-12-14	Rock		0.26	28.10
NA-12-15	Rock		0.23	73.15
NA-12-16	Rock		0.03	34.09
NA-12-17	Rock		0.08	
NA-12-18	Rock		0.04	
NA-12-19	Rock		0.13	
NA-12-20	Rock		0.03	
NA-12-21	Rock		0.08	
BONNIE	Rock		0.15	11.86

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: October 03, 2012

QUALITY CONTROL REPORT WHI12000839.1

		Method	WGHT	G6Gr-50	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Analyte	Wgt	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	50	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																						
REP G1-WHI	QC				<0.1	2.0	3.4	45	<0.1	4.3	4.0	517	1.76	0.9	<0.5	4.1	43	<0.1	<0.1	<0.1	33	0.38
NA-12-12	Rock		3.21	3697	7.7	405.1	>10000	715	>100	10.0	9.5	5878	3.24	371.9	568.7	1.0	14	61.0	532.2	3.7	4	0.02
REP NA-12-12	QC			3684																		
BONNIE	Rock		3.70	1844	3.3	2600	>10000	>10000	>100	33.6	13.4	>10000	20.04	1174	267.9	0.5	51	386.0	1725	9.7	6	0.16
REP BONNIE	QC																					
Reference Materials																						
STD CCU-1C	Standard																					
STD CDN-ME-14	Standard																					
STD CDN-ME-9	Standard																					
STD CZN-3	Standard																					
STD DS9	Standard				13.2	108.2	135.1	310	2.5	41.3	7.9	608	2.39	26.6	114.9	7.0	77	2.4	5.5	5.9	42	0.77
STD DS9	Standard				12.1	110.3	117.3	306	1.8	39.5	7.6	579	2.34	25.9	115.9	5.9	57	2.4	5.3	5.9	40	0.69
STD PTC-1A	Standard																					
STD SP49	Standard			54																		
STD SP49 Expected				60.2																		
STD DS9 Expected					12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-14 Expected																						
STD CDN-ME-9 Expected																						
STD CZN-3 Expected																						
STD CCU-1C Expected																						
STD PTC-1A Expected																						
BLK	Blank			<50																		
BLK	Blank				<0.1	<0.1	1.0	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank				<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1-WHI	Prep Blank			<50																		

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: October 03, 2012

QUALITY CONTROL REPORT WHI12000839.1

	Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7TD	7TD
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	0.01
Pulp Duplicates																					
REP G1-WHI	QC	0.079	7	12	0.53	213	0.093	<1	0.83	0.051	0.43	<0.1	<0.01	1.9	0.3	<0.05	4	<0.5	<0.2		
NA-12-12	Rock	0.094	2	6	<0.01	15	<0.001	<1	0.24	0.001	0.03	0.1	4.25	1.2	0.1	0.45	<1	5.2	<0.2	>10	0.07
REP NA-12-12	QC																				
BONNIE	Rock	0.009	<1	5	0.23	67	<0.001	1	0.14	0.024	0.06	<0.1	1.90	2.4	0.5	2.24	1	2.7	<0.2	>10	2.28
REP BONNIE	QC																				
Reference Materials																					
STD CCU-1C	Standard																				
STD CDN-ME-14	Standard																			0.49	3.21
STD CDN-ME-9	Standard																			<0.02	<0.01
STD CZN-3	Standard																				
STD DS9	Standard	0.072	14	118	0.65	310	0.126	2	1.01	0.089	0.41	2.9	0.21	2.5	5.3	0.17	5	5.3	5.0		
STD DS9	Standard	0.083	11	120	0.61	302	0.096	2	0.91	0.075	0.39	3.2	0.24	2.2	5.5	0.18	5	4.9	5.2		
STD PTC-1A	Standard																				
STD SP49	Standard																				
STD SP49 Expected																					
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		
STD CDN-ME-14 Expected																				0.495	3.1
STD CDN-ME-9 Expected																					0.0125
STD CZN-3 Expected																					
STD CCU-1C Expected																					
STD PTC-1A Expected																					
BLK	Blank																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																			<0.02	<0.01
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank																				

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Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: NABOB
Report Date: October 03, 2012

QUALITY CONTROL REPORT WHI12000839.1

		Method	7TD	7TD.1
		Analyte	Sb	Pb
		Unit	%	%
		MDL	0.01	0.02
Pulp Duplicates				
REP G1-WHI	QC			
NA-12-12	Rock		0.06	42.22
REP NA-12-12	QC			
BONNIE	Rock		0.15	11.86
REP BONNIE	QC			11.76
Reference Materials				
STD CCU-1C	Standard			0.37
STD CDN-ME-14	Standard		<0.01	
STD CDN-ME-9	Standard		<0.01	
STD CZN-3	Standard			0.11
STD DS9	Standard			
STD DS9	Standard			
STD PTC-1A	Standard			0.05
STD SP49	Standard			
STD SP49 Expected				
STD DS9 Expected				
STD CDN-ME-14 Expected				
STD CDN-ME-9 Expected				
STD CZN-3 Expected				0.113
STD CCU-1C Expected				0.34
STD PTC-1A Expected				0.05
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank		<0.01	
BLK	Blank			<0.02
Prep Wash				
G1-WHI	Prep Blank			

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QUALITY CONTROL REPORT WHI12000839.1

		WGHT	G6Gr-50	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Ag	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	50	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
G1-WHI	Prep Blank		<50	<0.1	1.3	4.5	50	<0.1	4.8	4.5	617	2.03	0.7	<0.5	5.1	63	<0.1	<0.1	<0.1	38	0.48
G1-WHI	Prep Blank			<0.1	2.3	3.6	47	<0.1	5.0	4.3	537	1.84	0.9	<0.5	4.1	46	<0.1	<0.1	<0.1	35	0.40

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		1DX30 P % 0.001	1DX30 La ppm 1	1DX30 Cr ppm 1	1DX30 Mg % 0.01	1DX30 Ba ppm 1	1DX30 Ti % 0.001	1DX30 B ppm 1	1DX30 Al % 0.01	1DX30 Na % 0.001	1DX30 K % 0.01	1DX30 W ppm 0.1	1DX30 Hg ppm 0.01	1DX30 Sc ppm 0.1	1DX30 Tl ppm 0.1	1DX30 S % 0.05	1DX30 Ga ppm 1	1DX30 Se ppm 0.5	1DX30 Te ppm 0.2	7TD Pb % 0.02	7TD Zn % 0.01
G1-WHI	Prep Blank	0.082	9	13	0.62	221	0.141	<1	1.03	0.082	0.51	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2		
G1-WHI	Prep Blank	0.080	7	17	0.56	227	0.097	<1	0.86	0.052	0.45	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2		

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QUALITY CONTROL REPORT WHI12000839.1

		7TD Sb % 0.01	7TD.1 Pb % 0.02
G1-WHI	Prep Blank		
G1-WHI	Prep Blank		

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Appendix III *– Aurora Geosciences Field Report*
(SC3DIP Methodology & Interpretation)

TECHNICAL REPORT

3D DC/IP INTERPRETATION - NABOB CLAIM, KENO, YUKON, CANADA

Effective Date: March 19, 2014

Keno Hill Explorations
Keno, YT

Prepared by:
Aurora Geosciences Ltd.
34 Laberge Rd, Whitehorse, YT Y1A 5Y9
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1. INTRODUCTION

This report compares results of the trenching and drilling on the Nabob claim on Keno Hill with the resistivity-induced polarization survey completed in 2012. The geological information used in this report was supplied by Lauren Blackburn of Keno Hill Exploration. The logistics of the IP survey are described in the field report submitted in July 2013.

The Nabob Claim is a geophysically challenging area to explore. The main rock units in the area are quartzite and a variety of schists including graphitic schist which, because it is both conductive and chargeable, has a similar geophysical response to the ore. The graphitic schists occur as discrete units throughout the property and can also act as a cap rock under which ore shoots occur. Many of the quartzites are altered or brecciated, some sericitic and clay altered, which could cause false anomalies.

The historic mapping shows that the central quartzite formation underlies the majority of survey area. The lower schist formation is mapped in the northeast corner of the survey area.

To maximize the effectiveness of the geophysical survey, physical properties (chargeability and resistivity) of representative samples of Nabob ore-grade material from hand trenches and major rock types from the property were directly measured in the Aurora Geosciences Physical Properties lab. Additionally, the array was designed particularly for Keno Hill-style mineralization. A short dipole spacing (10m) was used, reflecting the small size of expected ore shoots at Nabob, and a Structurally Controlled Induced Polarization 3D (SCIP3D) survey to optimize its effectiveness at delineating the structure of the vein system. This array followed the presumed trace of the host vein, greatly increasing survey efficiency. Selected cross-lines with off-line current injection were also surveyed to increase data density in key areas. Figure 1 is a location map showing the relative location of trenches, drillholes, targets and the SCIP3D survey.

The character of the chargeability decay curves is analyzed for all the rock physics samples and compared to the survey data. Plan maps are created for the shallow dipole response of the survey, and the location of the ore producing trenches plotted on them. These results are described in Section 1 of this report.

A block earth model is created for resistivity and chargeability. The inversions that computed these models simultaneously fit the data from the cross-lines and the main lines. These models are described and compared to the drillhole geological data in Section 2 of this report.

The chargeability survey is sensitive to all the known ore zones, and indicates new areas of high ore potential at surface (Figure 1 - Surface targets, Figure 9, Figure 13). Two moderately-deep anomalies are identified as being targets for drill exploration (Figure 1 - drill target). The models contain large conductivity & chargeability lobes that strike roughly North-south (Figure 1 - Conductive and chargeable lobes) and such structures are known to control ore emplacement in the Keno camp.

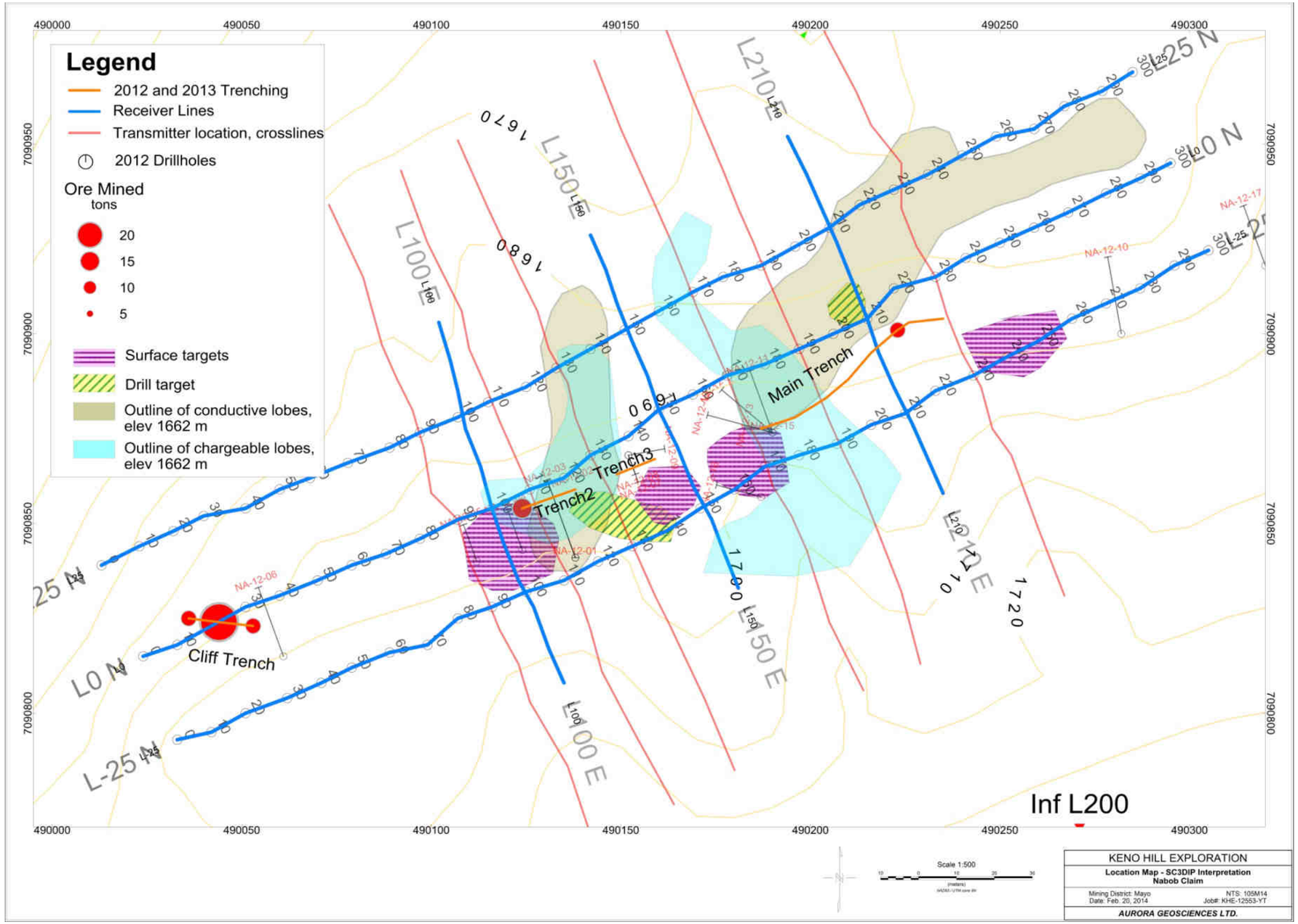


Figure 1: Location map of the surveyed area on the Nabob claim.

2. CHARGEABILITY DECAY CURVE ANALYSIS

2.1 Rock Physics

The chargeability decay curves from the rock physics (Figure 2) are examined to define characteristics that distinguish the schist from the ore. Linear decay ratios, *L*, are calculated by dividing the chargeability of the 240-400 ms time window by the chargeability of the 1680-1840 ms time window. Three separate groups are observed. The quartzite group (quartzites, aplites, greenstones) is not chargeable and decays slowly, resulting in a high linear decay ratio between 2.95-5.43. The schist group has a high initial chargeability that decays rapidly, resulting in a moderate linear decay ranging from 2.72-3.21. The ore group has a lower initial chargeability than the schist group, but it tends to release its charge more gradually. This results in a low linear decay ratio, ranging from 2.52-3.01.

Figure 3 plots the 240-400 ms chargeability on the X axis and the 1680-1840 ms chargeability on the Y axis; this is another way to visualize the relationship between the early and late time gates. Linear best fit lines are plotted for each group. The schist group has higher early-time chargeability and similar late time chargeability as the ore group. Table 1 summarizes results of the rock physics decay curve analysis. The groupings are not mutually exclusive and there is overlap, nevertheless they are clearly recognizable in the data. The readings in the ore group that plot separately from majority of the points are from a lower grade deposit in the Keno district. A greater sample size of petrophysical measurements from core is recommended to confirm these data.

The linear decay analysis can differentiate between ore and schist in the lab. The ore samples from the property consistently had a high chargeability and low ratio.

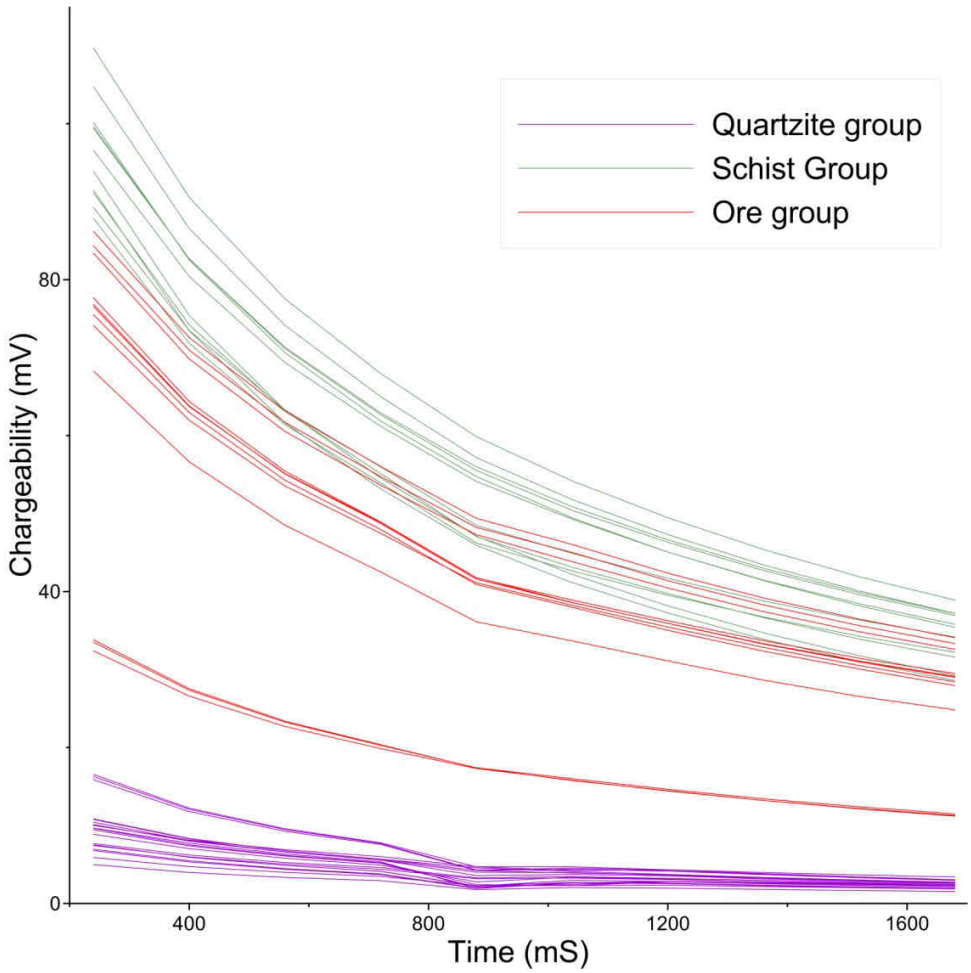


Figure 2: Chargeability decay curves of representative samples from the Nabob claim as well as the Flame deposit.

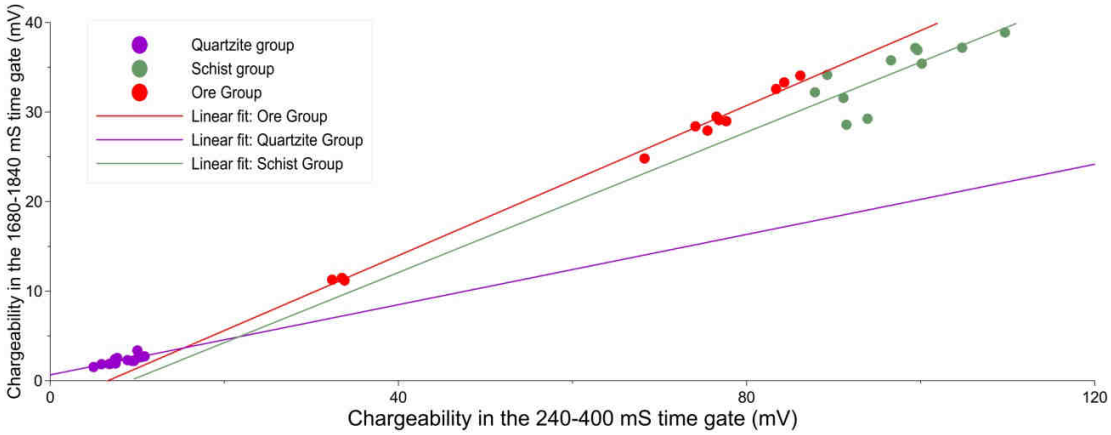


Figure 3: Comparison between early and late time chargeability of samples from the Nabob claim and the Flame deposit.

Name	IP (mV/V)	Ratio (early time/late time)	Resistivity (ohm. m)
Aplite	2.80	3.620	301.86
Galena	83.00	N/A	0.97
Graphitic Schist	81.00	N/A	63.15
Greenstone	3.30	4.26	107.55
High grade	36.37	2.68	265.80
Quartzite	5.10	3.43	313.76
Schist	41.55	2.89	1058.57
Vein Breccia #1	38.77	2.63	20.76
Vein Breccia #2	44.13	2.54	56.88
Graphitic Schist (Flame)	60.70	2.82	727.95
Vein (Flame)	18.77	2.93	2269.57

Table 1: Rock properties of representative samples from the Nabob claim and the Flame deposit.

2.2 Survey Data

The linear decay ratio of each survey measurement was calculated and plotted in a graph containing best fit lines for each of the rock groups. Figure 4 shows an example, which will be discussed in more detail below. Graphs were made for each survey line and are included as digital appendices to this report at high resolution.

Generally at the high chargeability range of the plot the data trends to the schist group, indicating that the schist group controls the chargeability for these high chargeability data points. However, there is a subset of the data which plots between ore group best fit line and the schist best fit line, indicating a higher potential for ore. It is not expected that the survey data match exactly to the petrophysical data as the survey data is an integrated result over the current path through the earth and therefore samples a multitude of rock types.

An additional variable, ζ (Equation 1), that emphasizes areas that have both high chargeability and low ratio, is also used in this interpretation. It is calculated by subtracting the linear decay ratio, *L*, from the chargeability, *M*. *L* and *M* were normalized by subtracting the mean and dividing by the standard deviation. A high value of ζ indicates higher ore potential. Pseudosections of the resistivity, *M*, *L* and ζ are included with this report.

$$\zeta = \frac{M - \overline{M}}{M_\sigma} - \frac{L - \overline{L}}{L_\sigma}$$

Grid maps of the first three dipoles were created to show the spatial variations of these measurements in plan view. Plot points were defined as midpoint between the roving transmitter electrode and the center of the receiver dipole. Limited lateral, near-surface penetration of the current for small current-potential separations (small values of N) caused the near surface inversions to suffer due to a lack of data density between electrodes. The physical problem of low

current density in these cells is not overcome by examining plan maps of data as opposed to inversion slices but the less processing-intensive method of plan maps was found to be more useful than the inversions for the near-surface analysis.

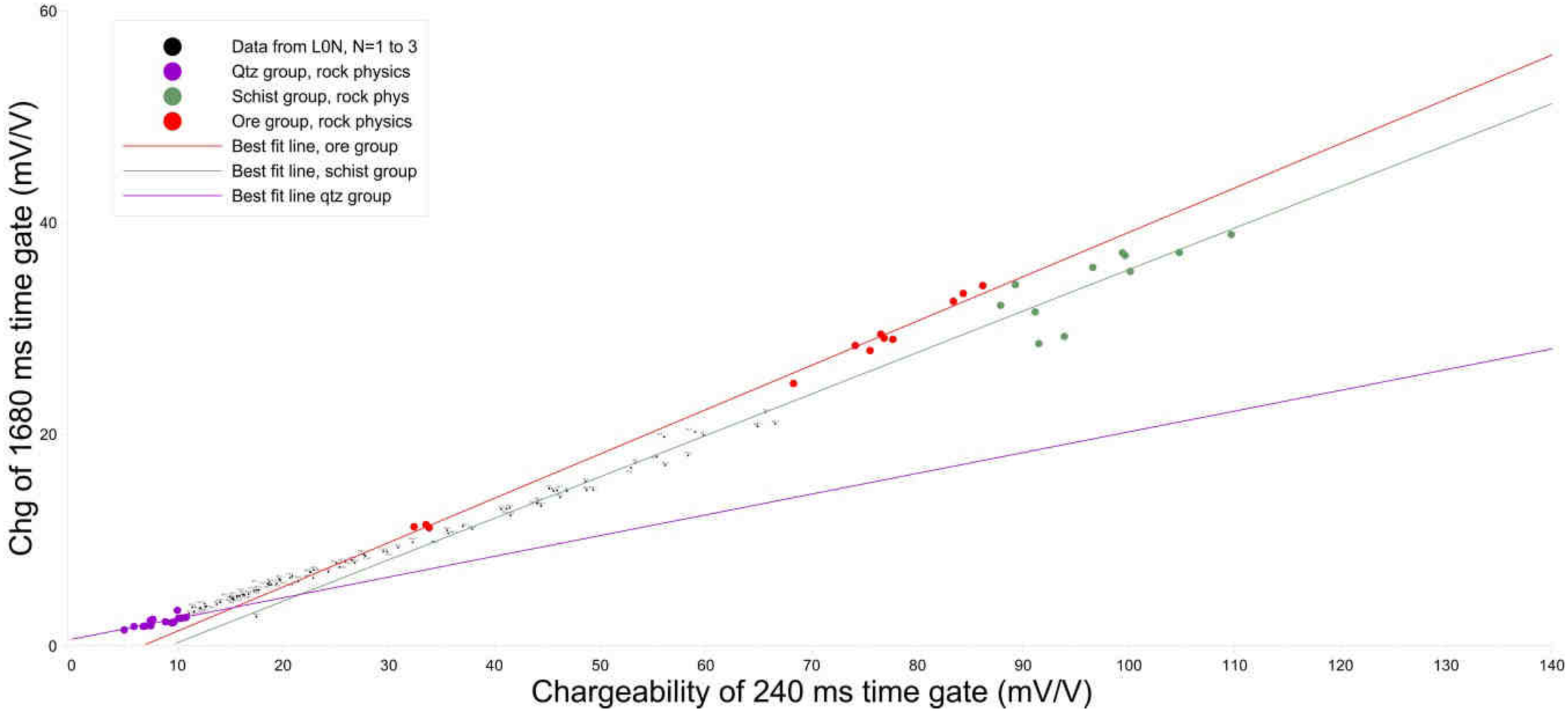


Figure 4: Linear Decay Analysis for L0N N=1 to 3. The results of the rock physics indicate that the data that plot closer to the best fit line ore group have a higher potential for ore. The first number of the labels is plotpoint location along L0N, the second number is the N number of that data point. Stations that plot between the green and red line indicate ore potential.

2.3 Comparison of survey data to trenching results

2.3.1 Cliff Trench

The Cliff trench is a 20m trench that intersects L0N just east of station 20E. Figure 5 shows the location of the trench and the description of the ore recovered there. Figure 6 shows the results of the survey in this area for dipoles N=1, 2 and 3. The Cliff trench is in a moderate chargeability high, in relatively conductive rock, and has a low decay ratio and high ζ. At wider dipole spacing (higher N), the anomaly connects with line 25N around station 60E, although this could be a gridding artifact caused by lack of cross-line data. Unfortunately, the trench is at the edge of the survey area resulting in an anomaly that is not closed off.

The decay graph (Figure 7) shows that the data in the viscinity of the Cliff trench (blue dots) plot between the schist (green) and ore (red) trend lines. Additionally, the points that plot the closest to the ore line also plot closest to the spatial intersection of L0N and the Cliff trench (18_1, 18_3, 23_2). This supports the results from the rock physics.

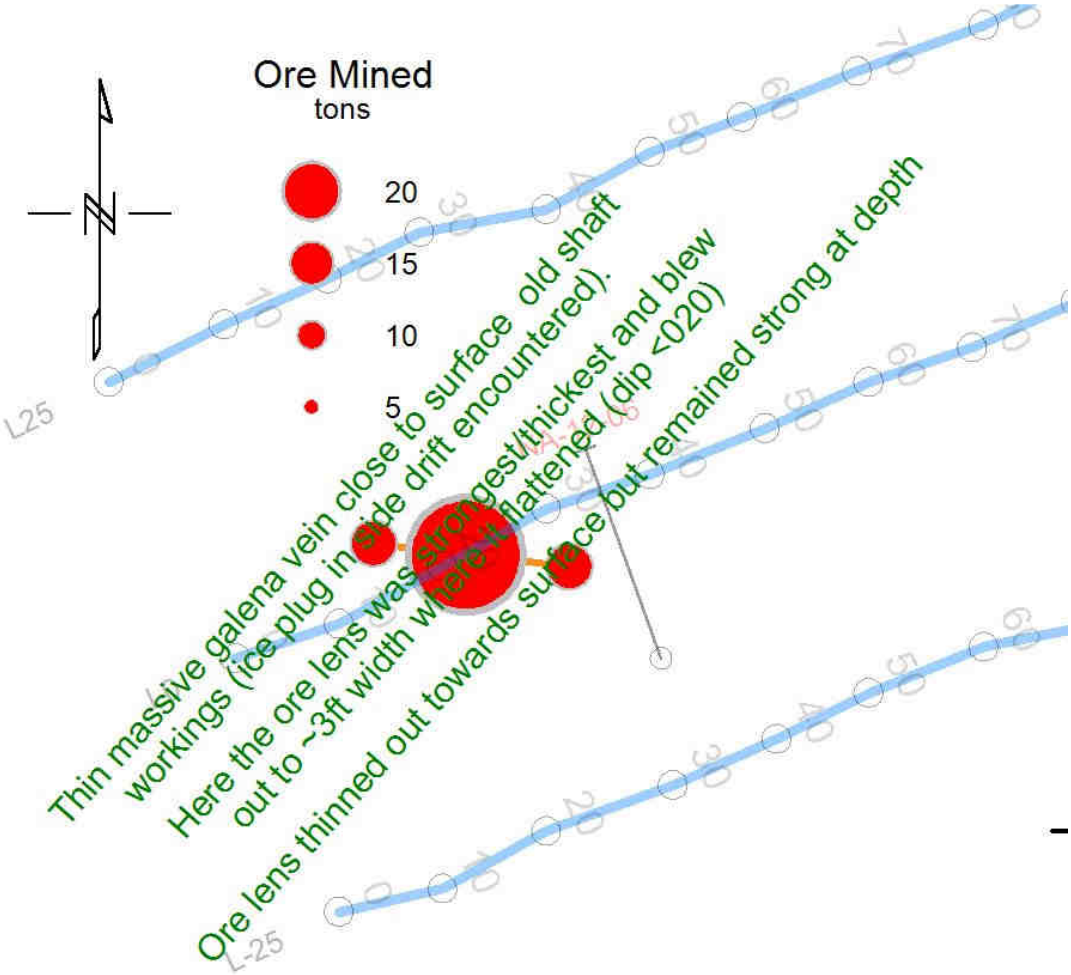


Figure 5: Description of the ore mined at the cliff trench.

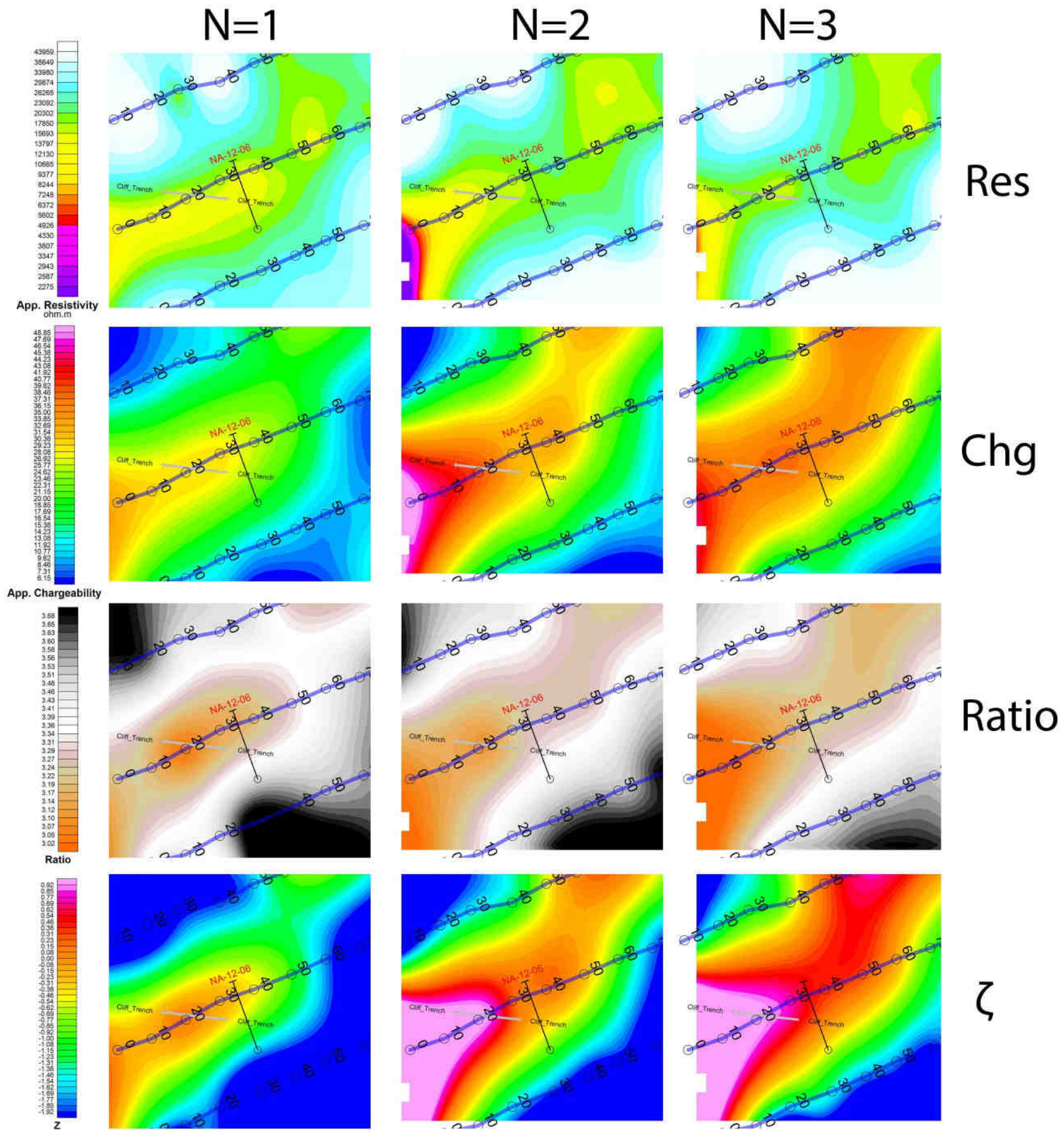
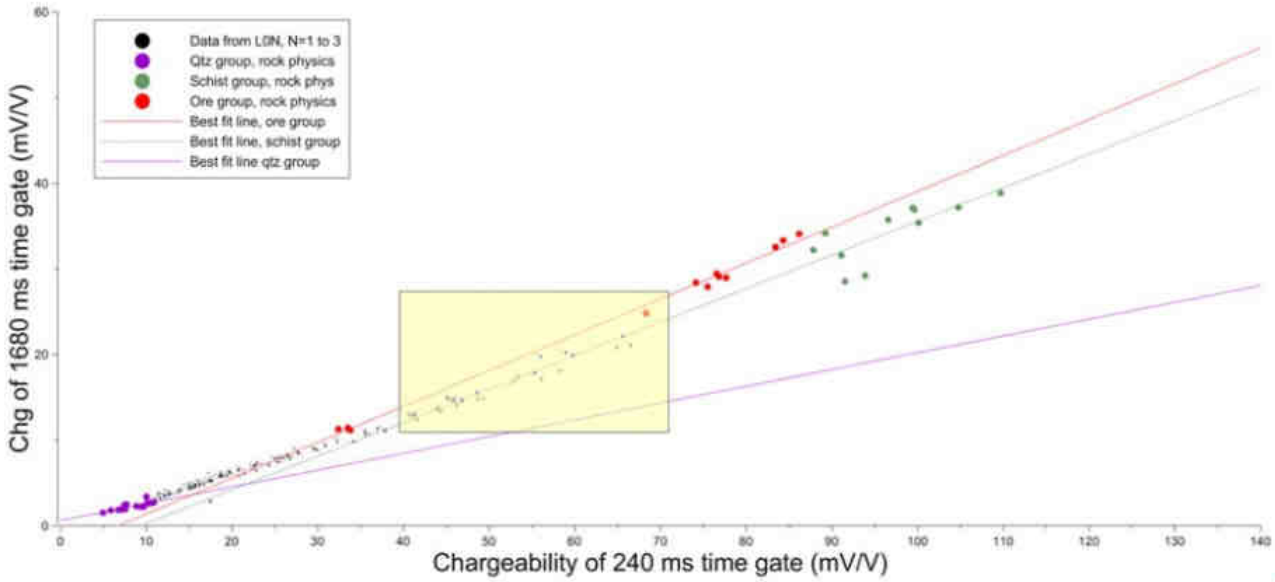
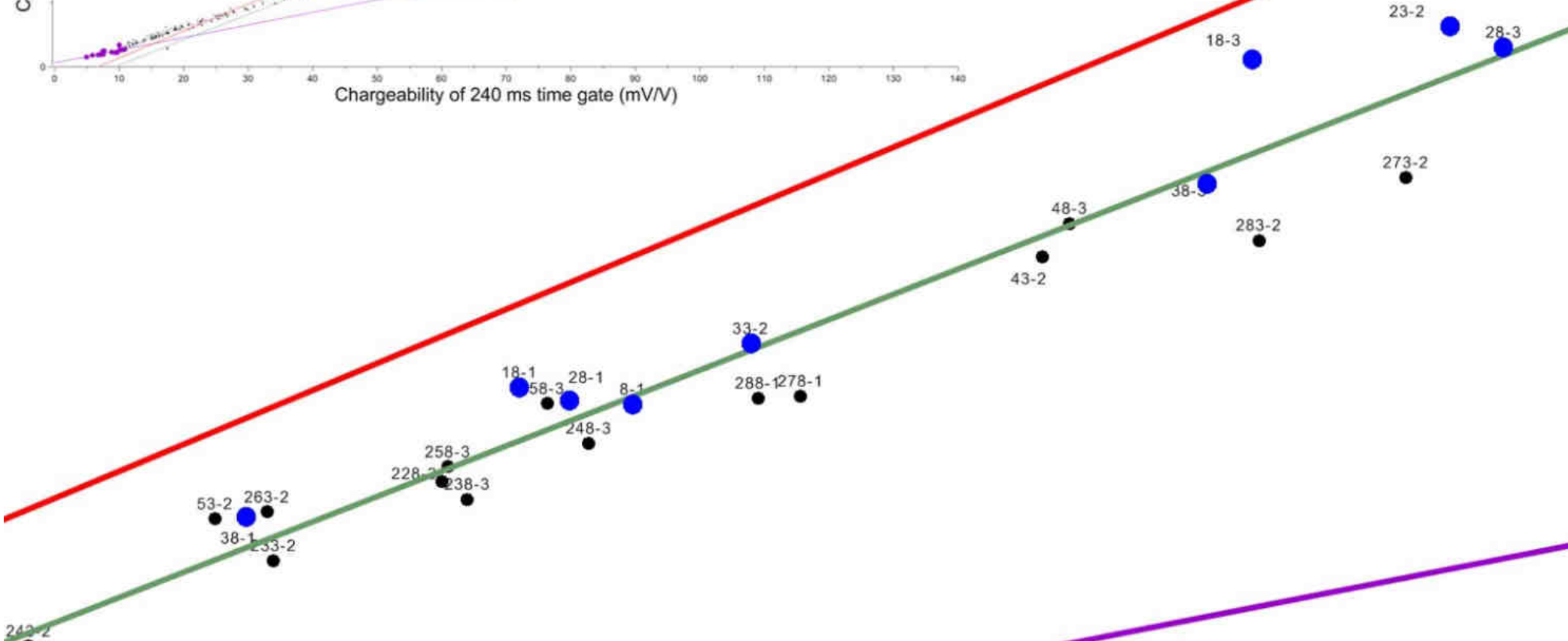


Figure 6: Plan map views of the data for the first three dipoles in the Cliff trench area. Higher N means wider dipole spacing which increases the sensitivity at depth.


Data from LGN, N=1 to 3
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)


23-2
28-3
18-3
273-2
48-3
283-2
43-2
33-2
18-1
28-1
58-3
8-1
288-1
278-1
248-3
258-3
238-3
53-2
263-2
38-1
233-2

2.3.2 Trench 2 and Trench 3

Figure 8 describes the ore recovered in these trenches. Detecting individual ore bodies of this size (less than a foot) is beyond the resolution of this survey. The resistivity in the area of these trenches is complicated, because both the HW and FW have the potential to be conductive.

The geology of Trench 2 (T2) indicates that the hanging wall (to the SE) is schist and the footwall (to the NW) is hornfelsed quartzite. Trench 3 (T3) is mapped as brecciated quartzite on both sides. The drillholes NA-12-02 and NA-12-03 intersect the main vein zone and encounter clay-altered hornfelsed quartztite in the foot wall. The clay causes the highly resistivity quartzite to become more conductive and potentially makes it indistinguishable from the interbedded quartzite and graphitic schist in the hanging wall.

The linearized ratio *L* is favourable at surface for T3, but is weaker at depth. The opposite was true for T2, which has a very poor ζ and ratio at N=1 and more favourable N=2 & 3. The data indicates that the anomaly of T2 extends 20m further West, and it also shows that the anomaly extends to the southeast (down-dip) between L0N and L-25N. The anomaly southeast of trench 3 has a similar signature (see Figure 9).

The linear decay graph (Figure 10) supports the prospectivity of these anomalies. The data collected on cross line 105 shows consistently favourable ratios south of L0N. The data from the baselines show that there is no potential for ore in the FW here, due to universally low ratios for L0. Generally, the intensity of the anomaly at surface is smaller in this area than in the Cliff trench area.

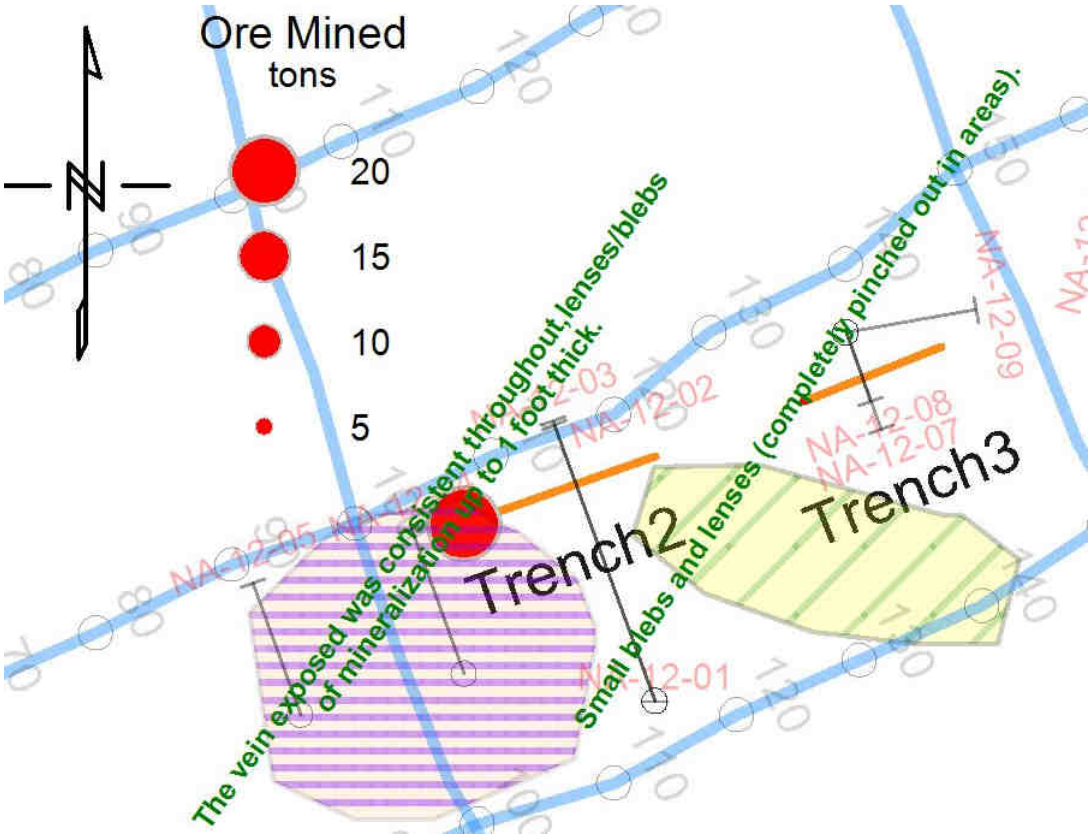


Figure 8: Description of ore recovered from trench 2 (further west) and trench 3.

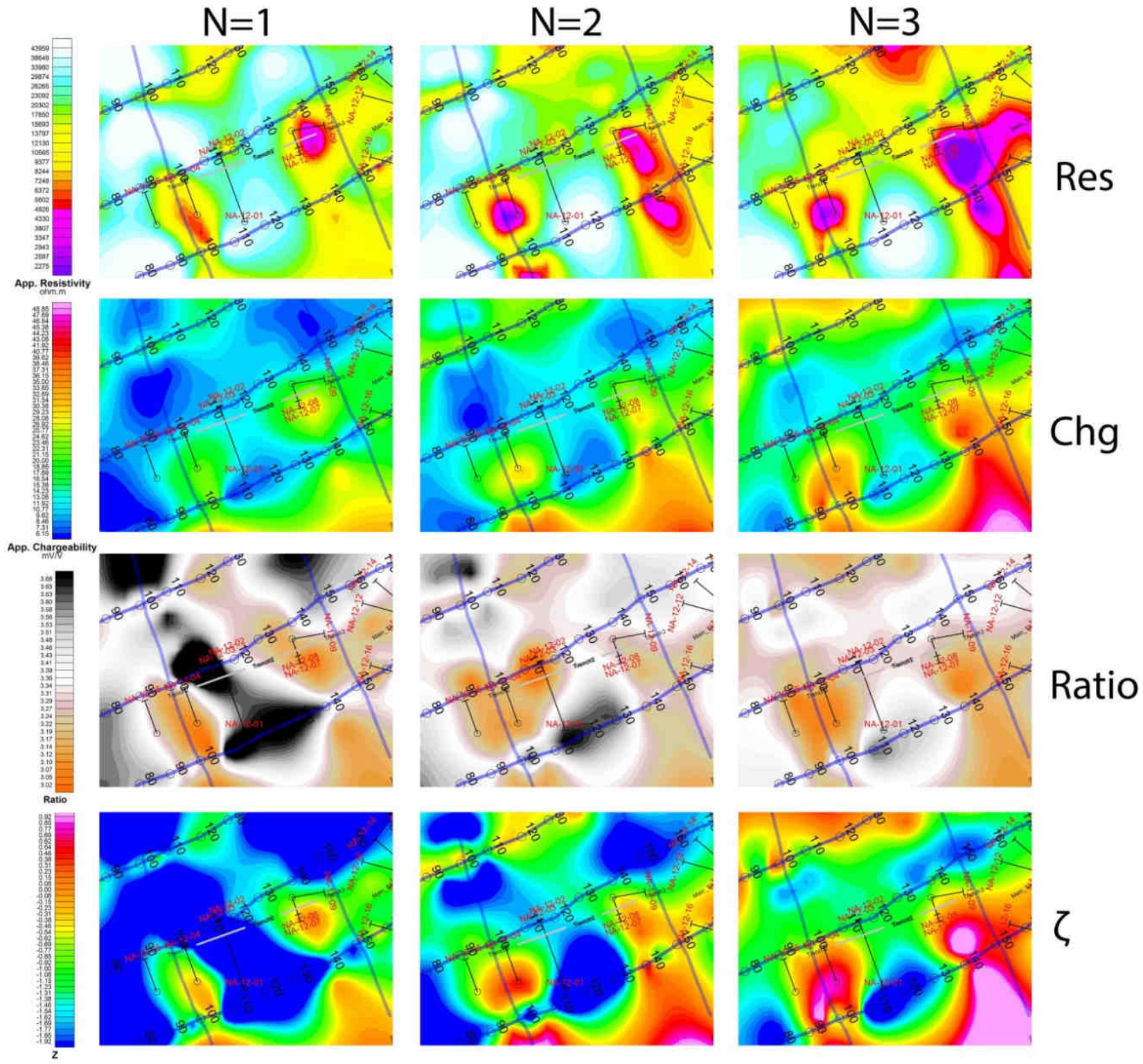
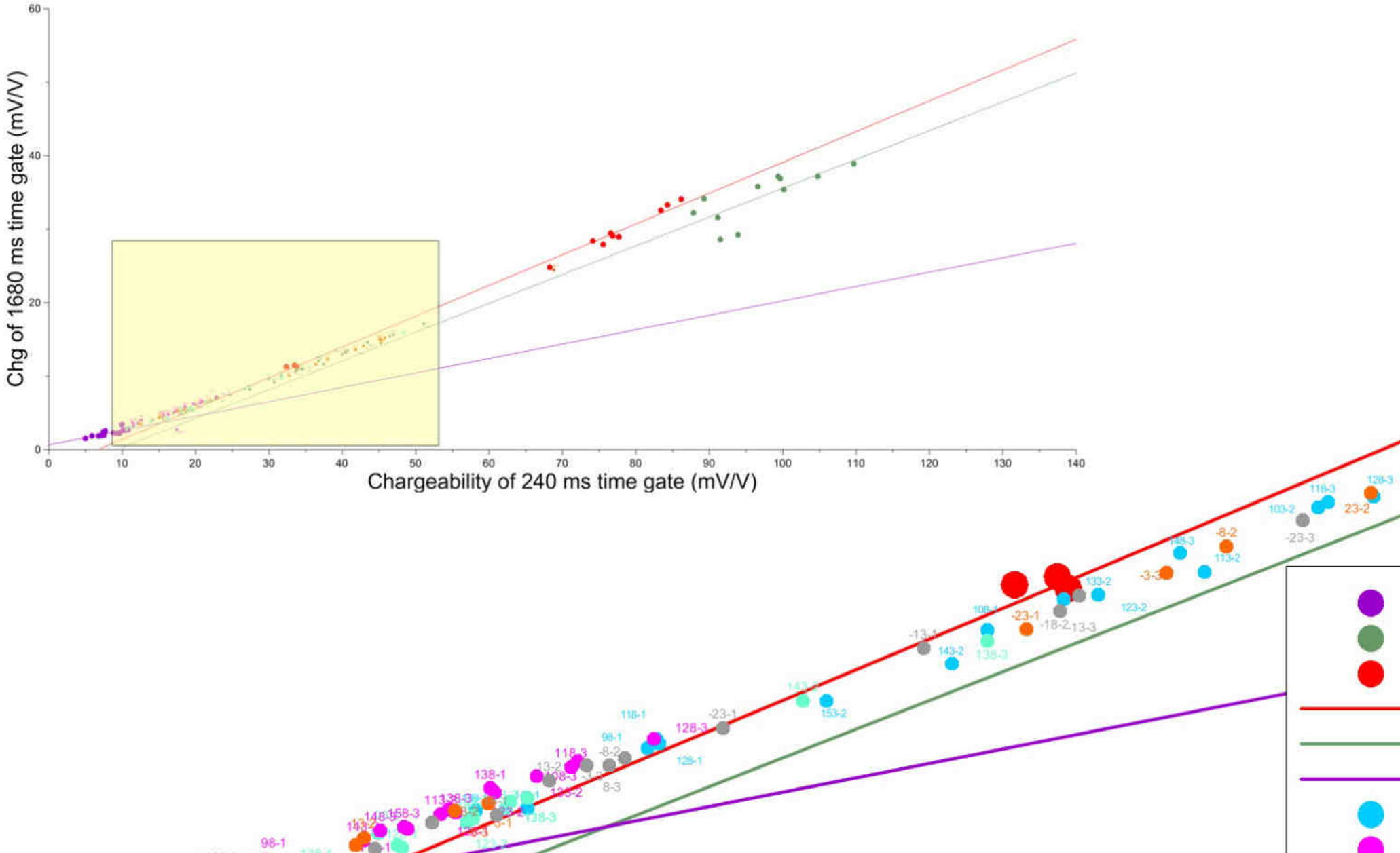


Figure 9: Plan map views of the data for the first three dipoles in the Trench 2 & 3 area. Higher N means wider dipole spacing which increases the sensitivity at depth.


Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

2.3.3 Main Trench

The lithology of the Main trench shown in Figure 11 is mostly hornfels quartzite or quartzite breccia in the foot wall (NW) and quartzite with schist in the hanging wall (SE). Most of the ore in the Main trench came from an ore lens approximately five metres along strike between stations 210 and 220. The lithology of the hanging wall and foot wall is supported by the geophysics which shows that the data north of the trench was not chargeable and resistive with an unfavourable ratio and ζ (Figure 12). The resistivity data at N=2 shows the best match to the trace of the vein. The highest grade ore in the main trench is spatially coincident with a small chargeability anomaly, favourable ratio and ζ. The data indicate that there is good potential for ore about 10m southwest of the west end of the trench. Another anomaly strikes southeast from the main ore lens and is measured on S250E of L-25N. This anomaly has a good ratio and ζ, and is better defined on N=2 and 3.

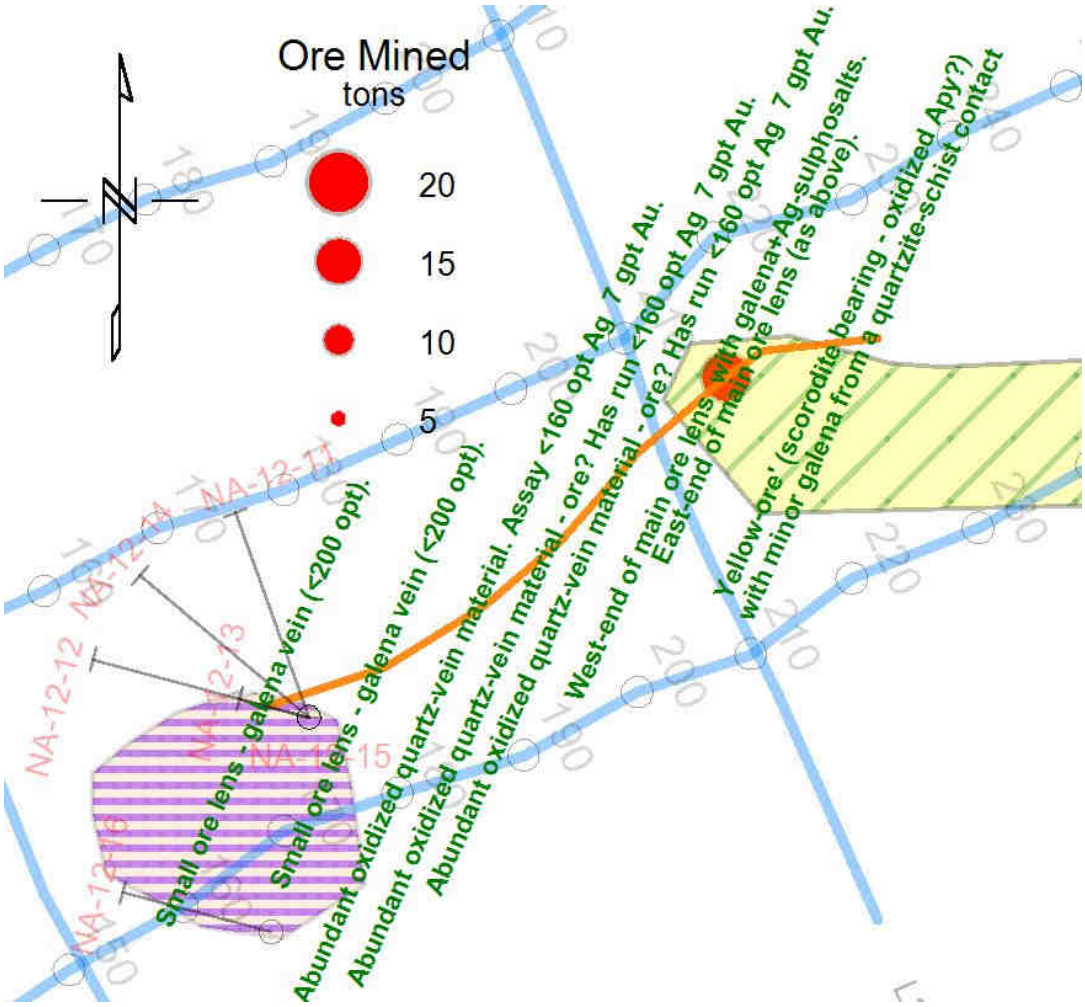


Figure 11: Description of the ore mined at the main trench. The main ore lens is located roughly between stations 210 and 220.

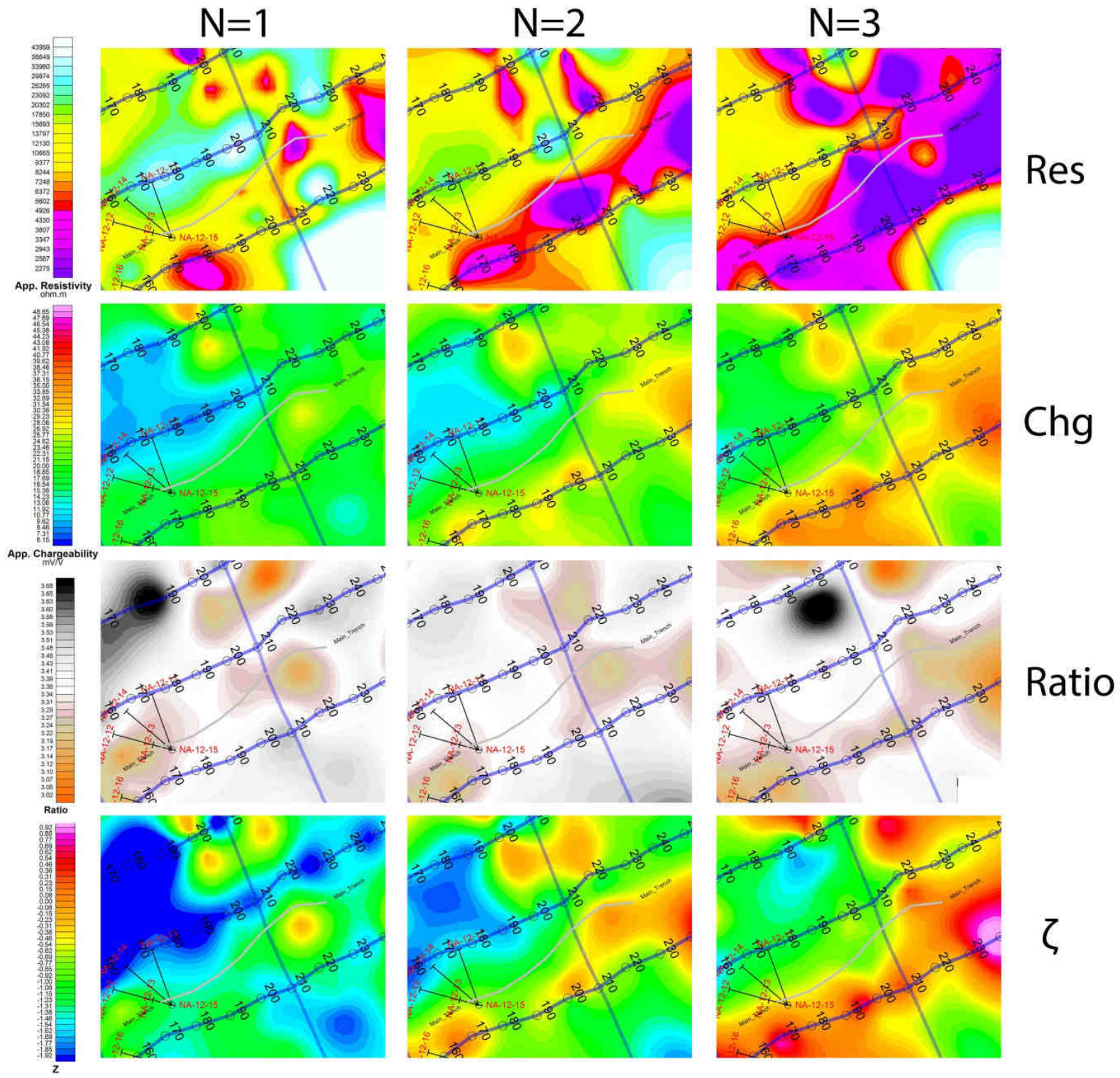


Figure 12: Plan map views of the data for the first three dipoles in the Main Trench area. Higher N means wider dipole spacing which increases the sensitivity at depth.

2.3 Discussion

The surface expression of the vein is mapped by the resistivity data in areas where there is a clear geophysical contrast in the lithology of the HW and FW such as the Main trench (Figure 12). In other areas (T2 and T3) the lithology in the HW and FW has a similar resistivity and the trace of the vein is not apparent in the resistivity data. The dipole spacing of the survey is too large for the survey to be sensitive to structures smaller than a metre.

The chargeability, ratio and ζ are sensitive to ore that is exposed in the trenches. Generally, all the highest grade ore intercepts (T2, Cliff trench and main zone of the Main trench) are accompanied by subtle chargeability highs, ratio lows and ζ highs.

The areas of highest potential along the existing workings are west of Trench 2 (Figure 9) west and west of the Main trench (Figure 12).

The area between 240E and 260E on L-25 is highly prospective, as supported by a resistivity high (Figure 13) N=1 and favorable chargeability, *L* and ζ improving with wider dipole spacing. It is also along strike of the Main trench. It is important to note that there is cross-data across this anomaly (Figure 1), so the location is not as accurately resolved in this direction.

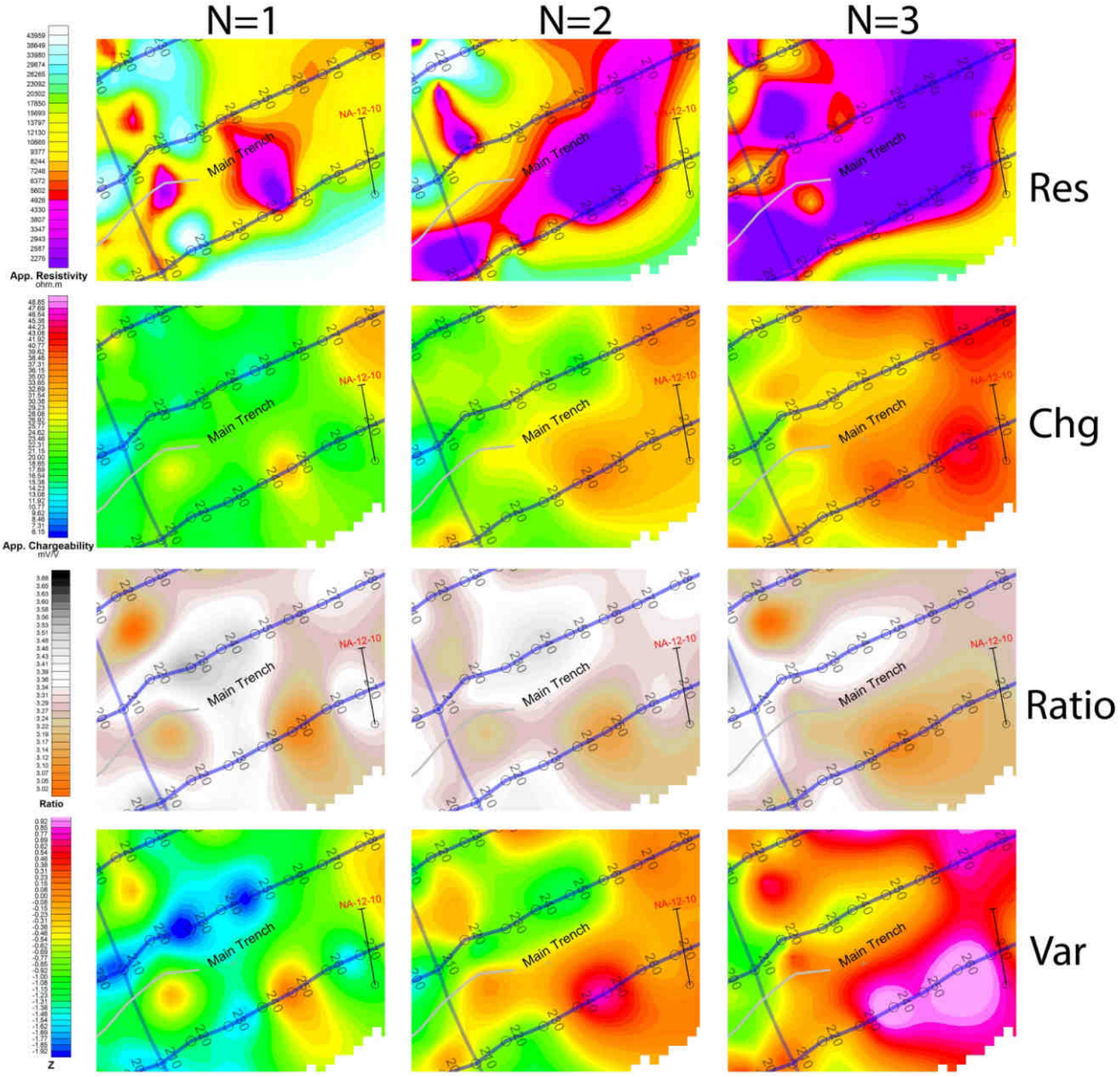


Figure 13: Plan map views of the data for the first three dipoles in the anomalous area southeast of the main trench ore zone. Higher N means wider dipole spacing which increases the sensitivity at depth.

3. 3D RESISTIVITY AND CHARGEABILITY INVERSIONS

3.1 Description

3D models of the chargeability and resistivity are computed from the survey data using UBC's DCIP3D software. A rigorous quality control is applied to the datasets to ensure good inversion convergence. The final DC model is a mesh size of 2.5m horizontally and 1.5m vertically. The final IP model had a finer mesh, measuring 2m horizontally and 1m vertically.

Drillhole sections with lithology and core descriptions are included for all drillholes within the survey area. Separate sections were created for each of the recovered models. The following figures are created from these full drill sections and use the same colour scale as these sections. In addition, 2D slices of the models directly underneath all the survey lines are included with this report.

The 3D voxels are included with this report and although the cross-sections and plan maps are useful tools to assess and exploit the voxel models, viewing them in a 3D viewer is ultimately recommended to extract the maximum potential from them.

The depth of investigation of the models is on the order of 40-60m in the central section of the survey area. As is typical of all surface-based geophysical techniques, the resolution of the model decreases with depth.

In addition to the standard IP and DC models, a 3D pseudo-voxel of the linear decay ratio was created by gridding the dataset. This pseudo-voxel does not accurately report the depth and spatial location of features like an inversion but is considered a useful heuristic tool to supplement the inversions. The pseudo-models were created from the calculated L and ζ. UTM coordinates were assigned to each measurement, located halfway between the center of the receiver dipole and the transmitter electrode. Additionally, a depth was also assigned to each reading by multiplying the N level by 5m. This approach serves to approximate the locations and depths of these parameters in 3D space.

3.2 Comparison of recovered models to the drillholes

Figure 14 shows the trace of the drillhole sections that are included with this report. The following figures are all created directly from the drill sections and are included to convey a general sense of the model. The sections are all created in the plane of the drillhole displayed in the section. For more complete information, including azimuth, geological legend and colour scale, the actual drill sections should be consulted.

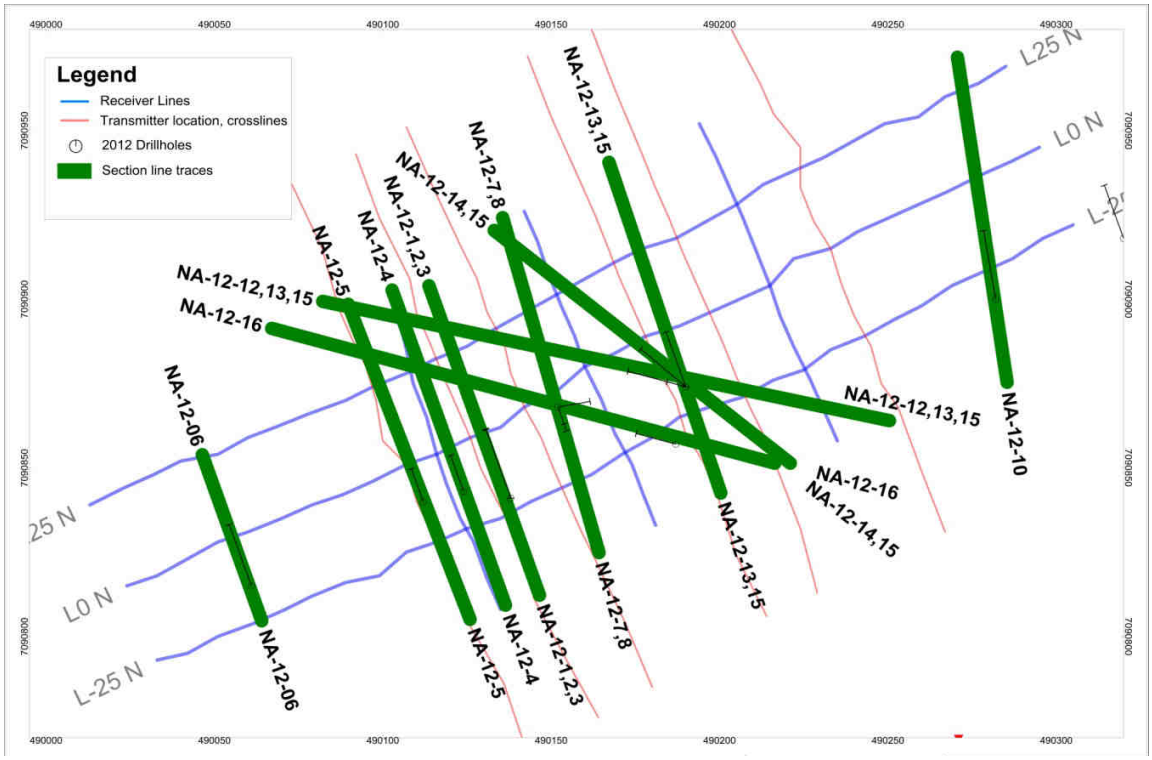


Figure 14: Map showing the location of the drillhole sections included with this report.

3.2.1 Drillhole NA-12-06 (Figure 15)

Drillhole NA-12-06 is oriented perpendicular to the Main Fault Zone (MFZ), dips -65°, and is approximately 10m east of the eastern extent of the Cliff trench (Figure 5). It intersects schist and quartzite throughout the hole and pierces the MFZ at 18.6m. It did not drill through any significant intersections of mineralization. The hole passed under the chargeable feature and further to the east that is continuous with the surface feature coincident with the ore mined in the cliff trench.

The finer details of the lithology are not resolved in the geophysical data, possibly due to the hole being at the edge of the survey area with no cross-line coverage. Generally the HW is modelled as being more conductive than the FW. The chargeability model predicts a low chargeability in the HW and moderate chargeability in the FW. The ratio was moderate for most of the drill trace,

increasing with depth. Here, ζ reflected the chargeability signature closely. The fit between the models and the data is acceptable here, in the context of the low data density in the area.

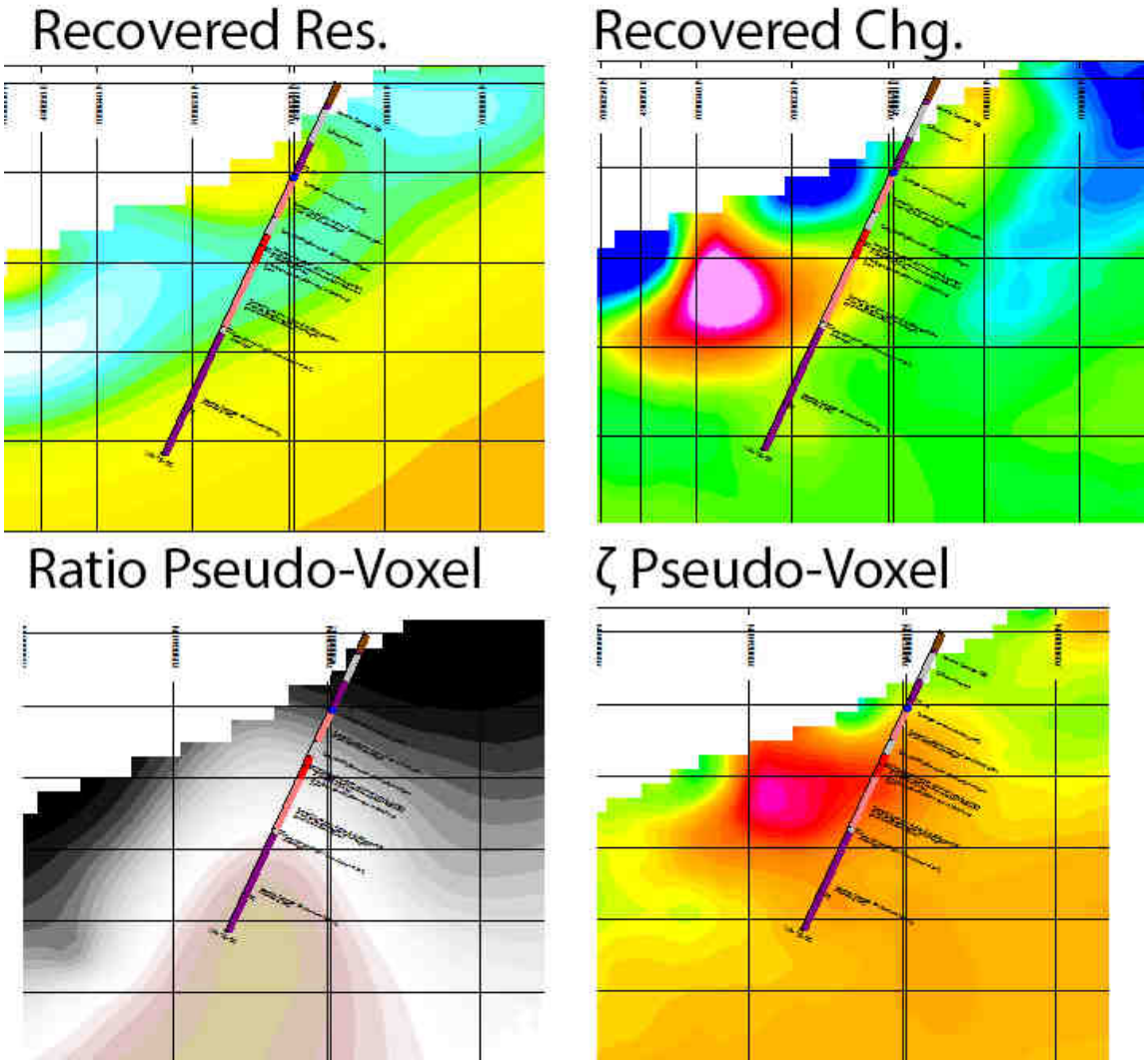


Figure 15: Drillhole NA-12-06 plotted with the recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.2 Drillhole NA-12-05 (Figure 16)

The lithology log for this hole indicates hornsfeled quartzite throughout, with some graphitic schist beds in the first 15m of the hole. A thin unmineralized fault zone is intersected in this hole. The resistivity model slice is very resistive and the chargeability slice shows a slight high just above the main zone. The ratio increases gradually down the drillhole and there is a ζ high centered above the intersection with the MFZ. The drillhole geology is reasonably consistent with the models at this location and the pseudo-voxels approximate the location of the vein.

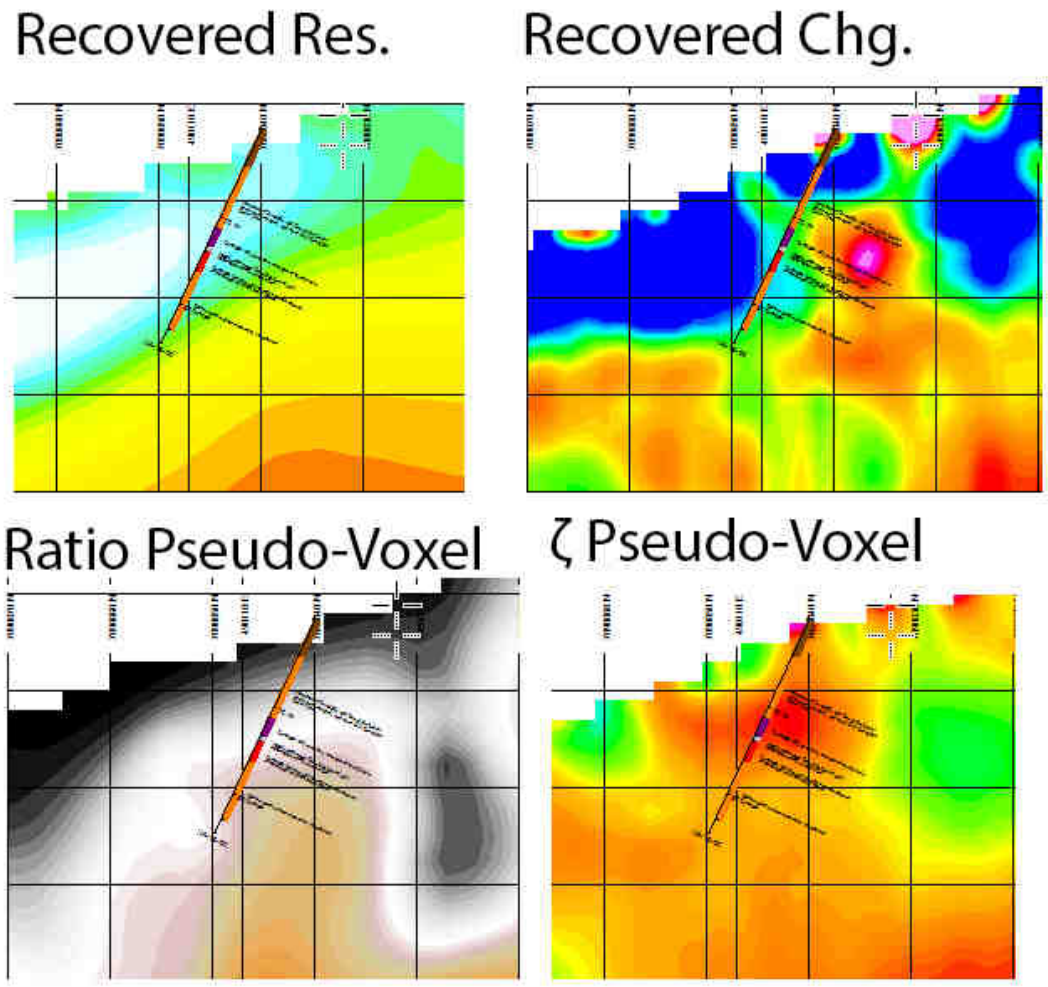


Figure 16: Drillhole NA-12-05 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.3 Drillhole NA-12-04(Figure 17)

This hole intersected mostly quartzite and altered quartzite with a small intersection of graphitic schist in the HW followed by a thick, weakly mineralized vein, and finally slightly clay-altered quartzite in the FW. The resistivity model shows this hole going through moderate to highly resistive rock in the HW that becomes more conductive in the FW. The chargeability shows this hole intersecting slightly chargeable rock; the bottom of the vein intersection is coincident with a sharp increase in chargeability. The ratio and ζ values increase at the top of the vein intersection.

The lithologies and mineralization logged in hole NA-12-04 is consistent with the geophysical models. The location of the vein is approximated by the pseudo-voxels.

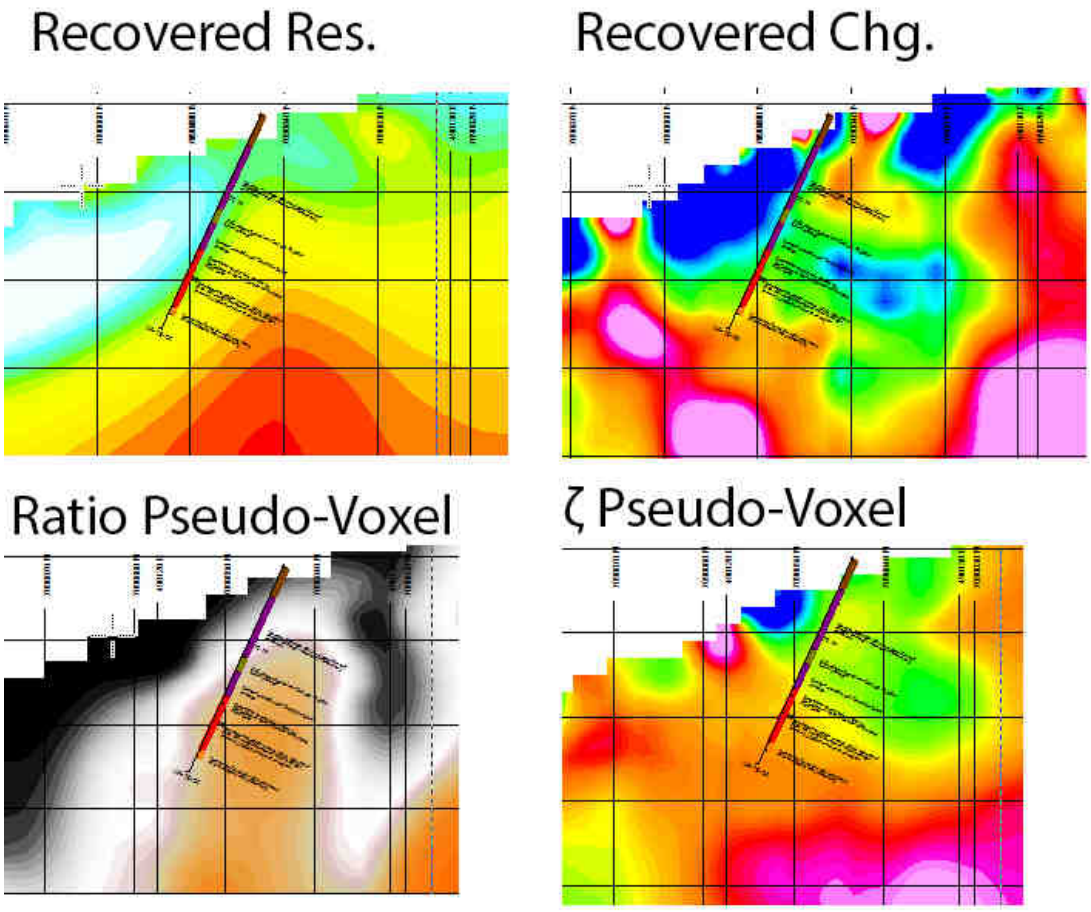


Figure 17: Drillhole NA-12-04 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.4 Drillholes NA-12-01, NA-12-02, NA-12-03 (Figure 18)

These drillholes are all collared in the same location and have the same azimuth. The lithology of the vertical hole is mostly quartzite with a few thick schist intersections in the HW, and a breccia body with graphitic schist beds in the FW. The HW is non-chargeable, the FW is very chargeable and the MFZ is accurately resolved as the boundary between the two. The resistivity model does not resolve any detail underneath the first layer of graphitic schist.

The lithology of the two angled holes is mostly quartzite with minor schist in the HW and interbedded hornsfelsed quartzite and graphitic schist in the FW. The MFZ in both angled holes is mineralized. The models don't show a clear distinction between the HW and the FW associated with these two holes. The ratio pseudo-voxel shows a high that is roughly coincident with the main zone in all three holes and closely approximates the dip. This ratio pseudo-voxel feature becomes less constrained with depth. The ζ voxel showed a similar pattern with a positive change in the ζ model marking the top of the MFZ. Caution should be exercised not to over-interpret the plotted locations in the pseudo-voxels. The drillhole geology is generally consistent with the models in this section although it indicates that the survey could not penetrate the graphitic schist layer.

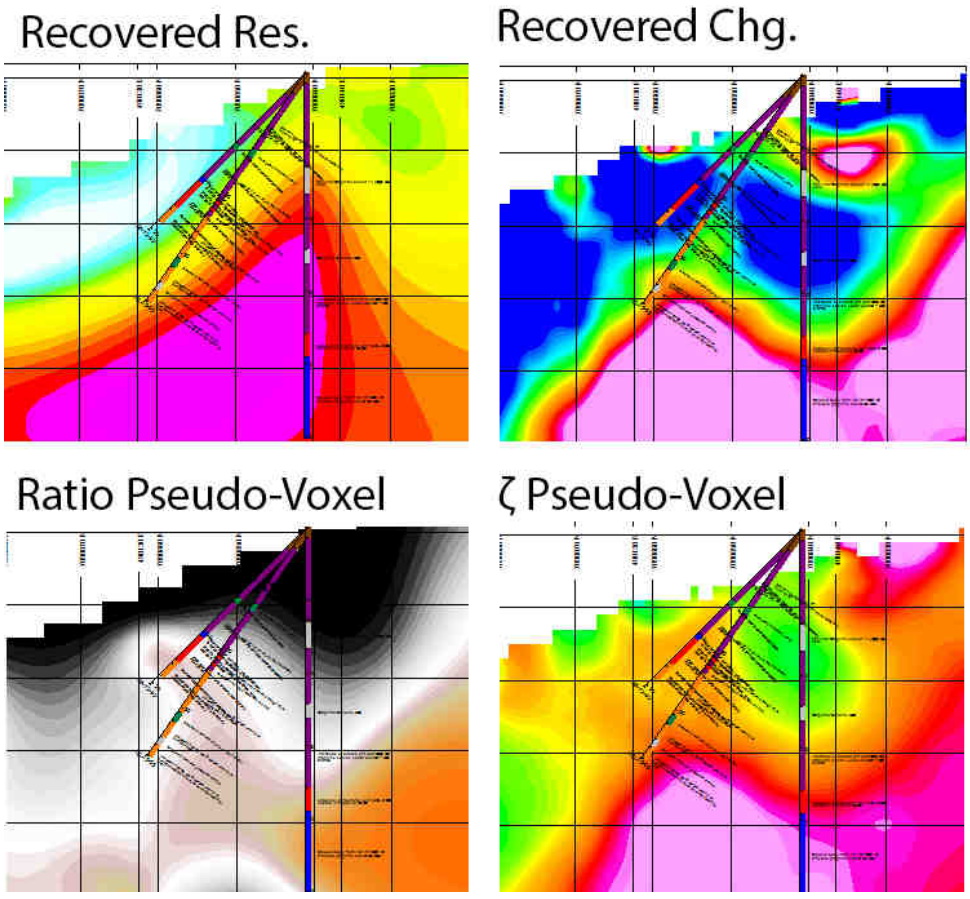


Figure 18: Drillholes NA-12-01, NA-12-02, NA-12-03 plotted on recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.5 Drillholes NA-12-07, NA-12-08 (Figure 19)

This section contains two short holes from the same pad. They both intersect very siliceous massive quartzite with Fe0-healed fracture planes. There is evidence of the MFZ flattening out in this area. This is consistent with the high resistivity, low chargeability signature predicted by the models. Both ratio and ζ were moderate in these drillholes. The drillhole geology is consistent with the models.

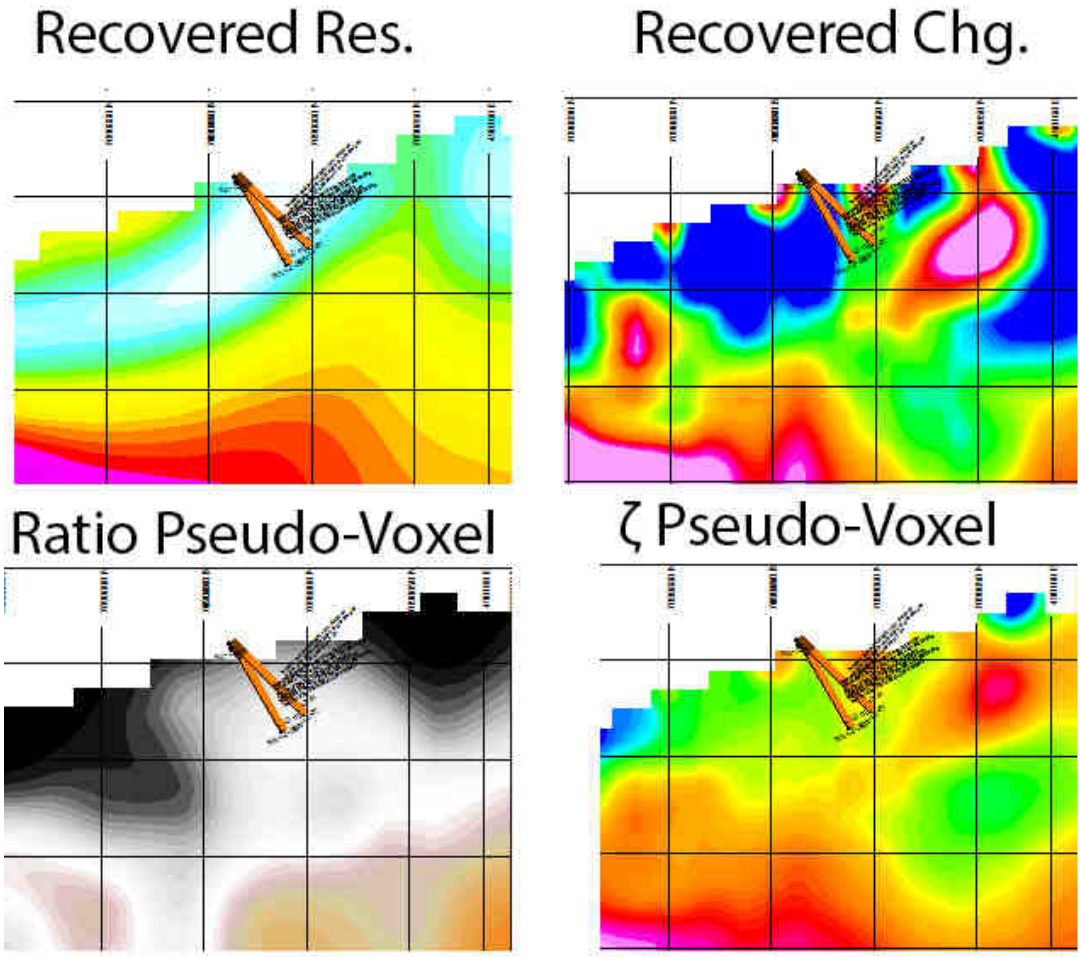


Figure 19: Drillholes NA-12-07 and NA-12-08 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.6 Drillholes NA-12-10 (Figure 20)

This drillhole is located at the eastern end of L25N. It did not intersect the MFZ . The lithology here is massive quartzite in the top half of the hole and quartzite bedded with graphitic schist in the bottom half. This is consistent with the chargeability and resistivity models which predict that the rock is more chargeable and conductive downhole. Both ratio and ζ were moderate throughout the hole. The drillhole geology is consistent with the models and the contact is predicted fairly accurately by the resistivity model.

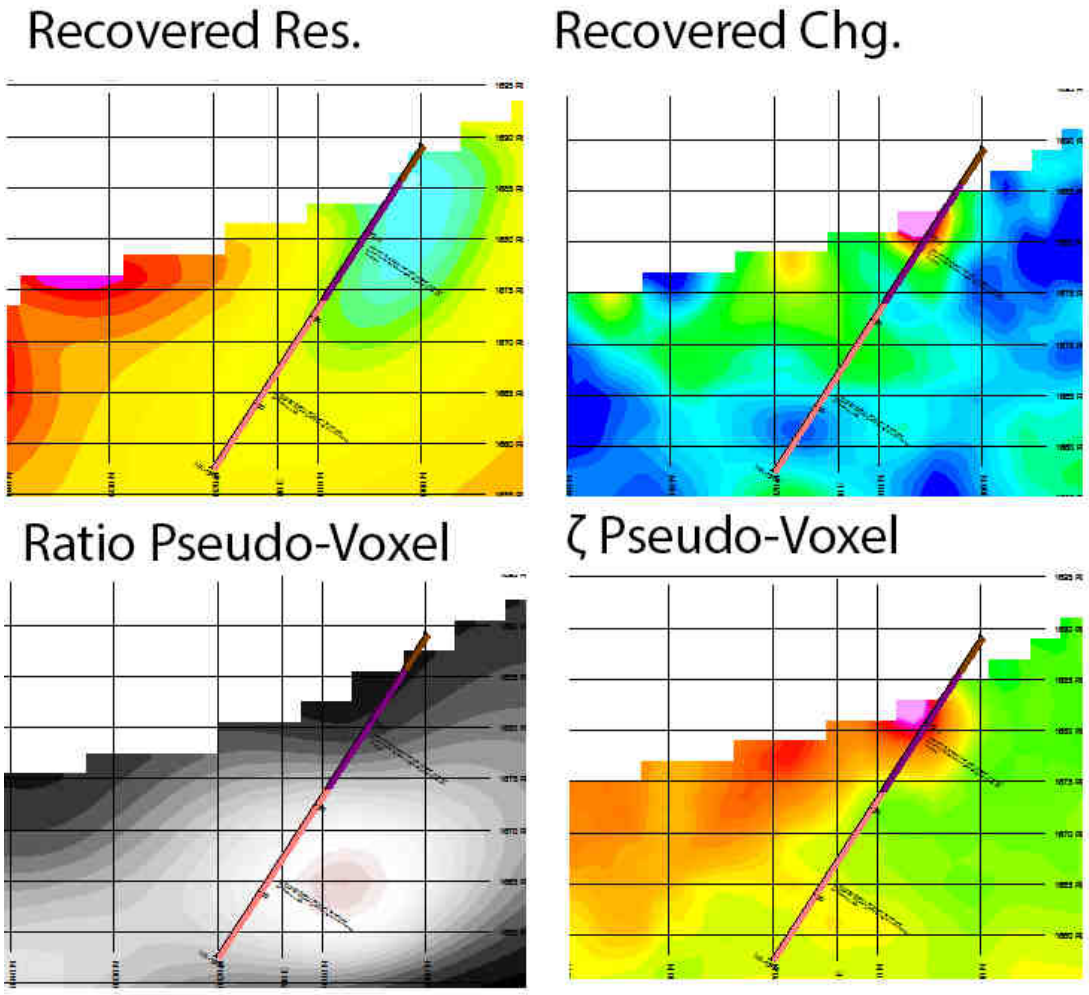


Figure 20: Drillhole NA-12-10 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.7 Drillholes NA-12-12, NA-12-13, NA-12-15 (Figure 21)

These drill holes start in massive quartzite, continue into hornfelsed quartzite and finish in a graphitic schist. The models recover the schist interval of the hole as very conductive and chargeable and thus there is an excellent match between the geology and both the resistivity and chargeability models. The ratio is moderate to unfavourable throughout the hole and ζ increass downhole, showing that all three holes skirted a favourable zone. The contact between the quartzite and schist was well resolved in the models.

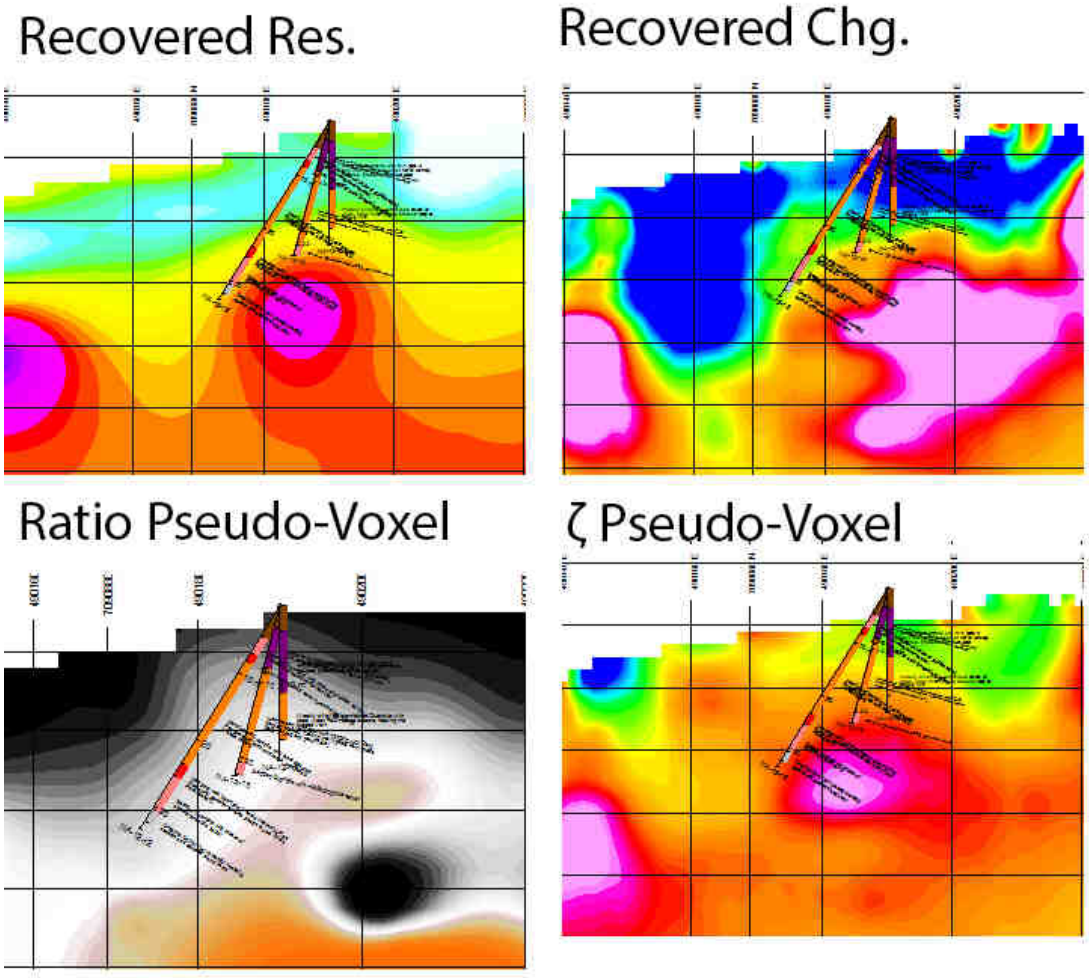


Figure 21 : Drillholes NA-12-12, NA-12-13, NA-12-15 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.8 Drillholes NA-12-14, NA-12-15

Both holes collar in hornfelsed quartzite in the hanging wall. NA-12-14 goes though the vein into more schist-rich rocks in the footwall. The upper contact of the schist is coincident with chargeability and conductivity anomalies. The ratio is moderate here, but increasing with depth. Both drill holes skirt the edge of a significant resistivity, chargeability and ζ anomaly at depth. The contact between the quartzite and schist is well resolved in the models at this location.

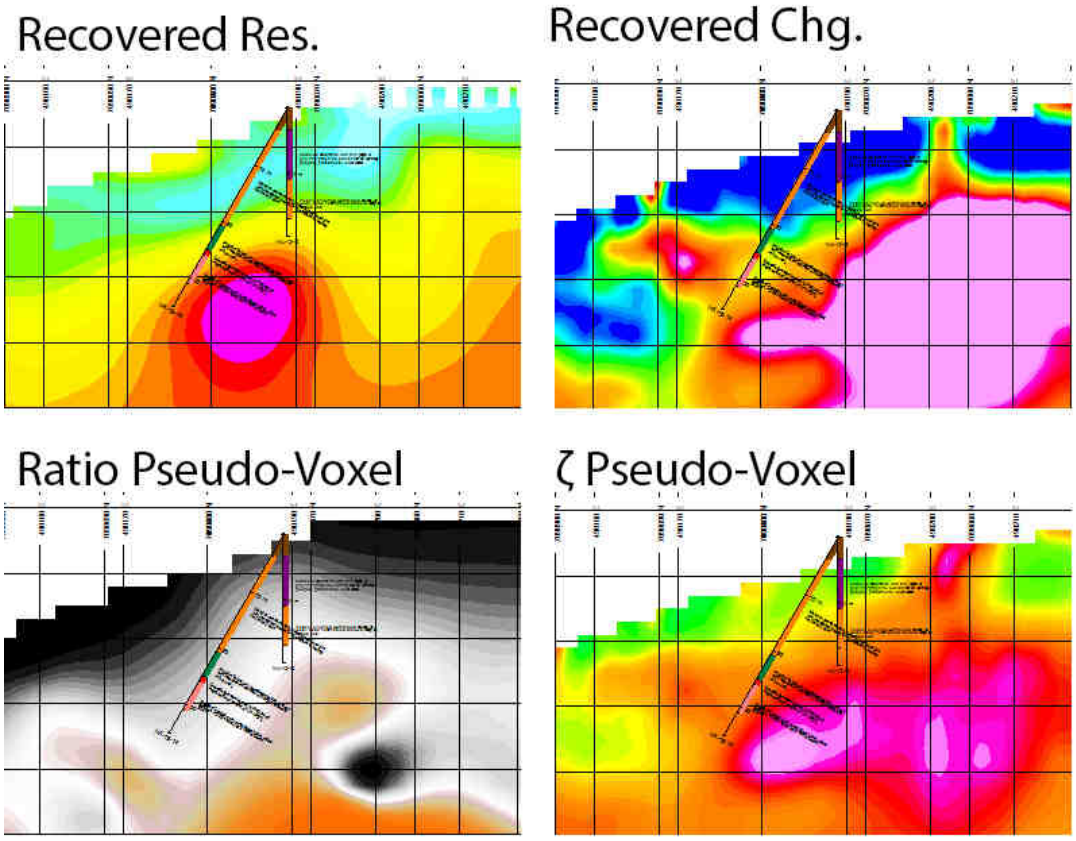


Figure 22: Drillholes NA-12-14, NA-12-15 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.9 Drillholes NA-12-11, NA-12-15

Both holes collar in hornfelsed quartzite in the hanging wall. NA-12-11 goes though the vein into a greater abundance of schist in the footwall. The upper contact of the schist is coincident with chargeability, conductivity and ζ anomalies. The ratio is moderate in the vicinity of the drillholes and greater at depth. The contact between the quartzite and schist in these holes is well resolved in the models.

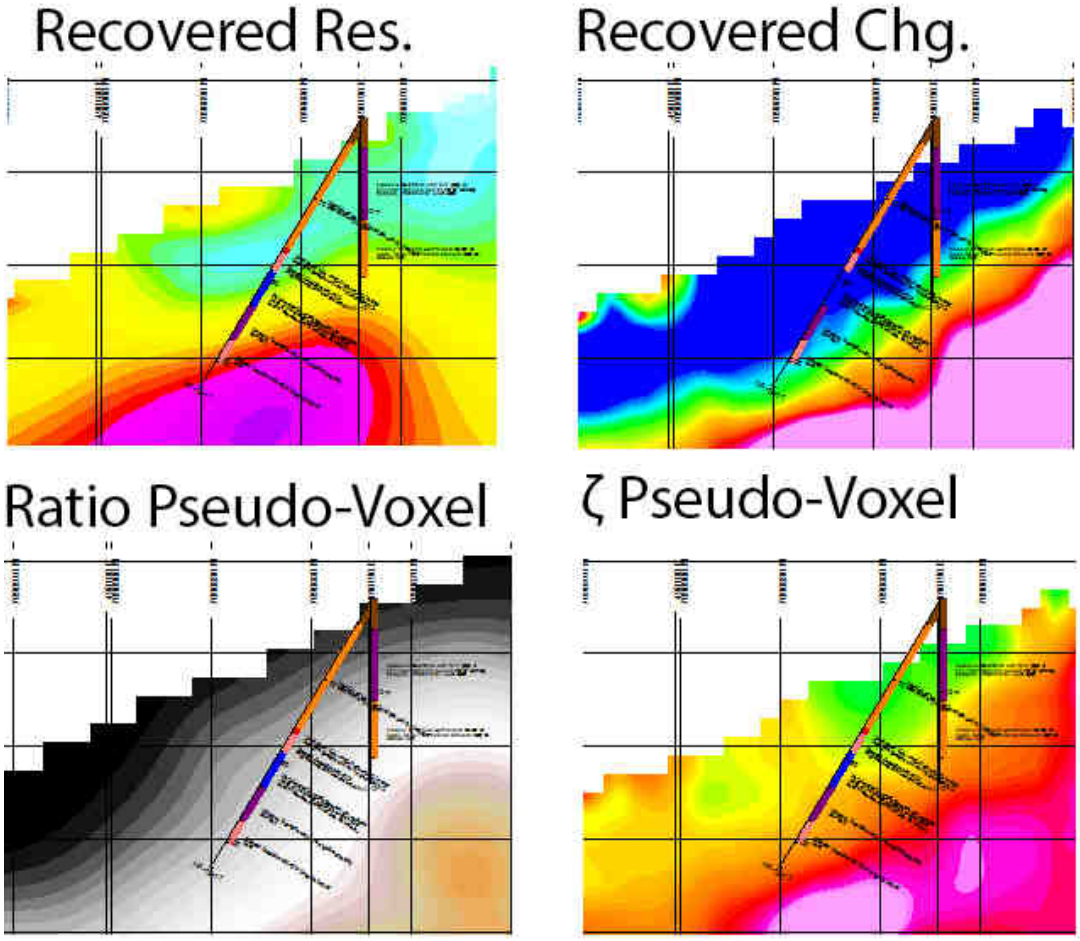


Figure 23: Drillholes NA-12-11, NA-12-15 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.2.10 Drillholes NA-12-16

This drillhole is collared in bedded quartzite with graphitic schist partings at surface and finishes in massive quartztite with graphitic fault gouge. The resistivity model recovered slightly conductive rocks with low chargeability throughout the drillhole and is therefore consistent with the geology on this section. Both ratio and ζ were moderate.

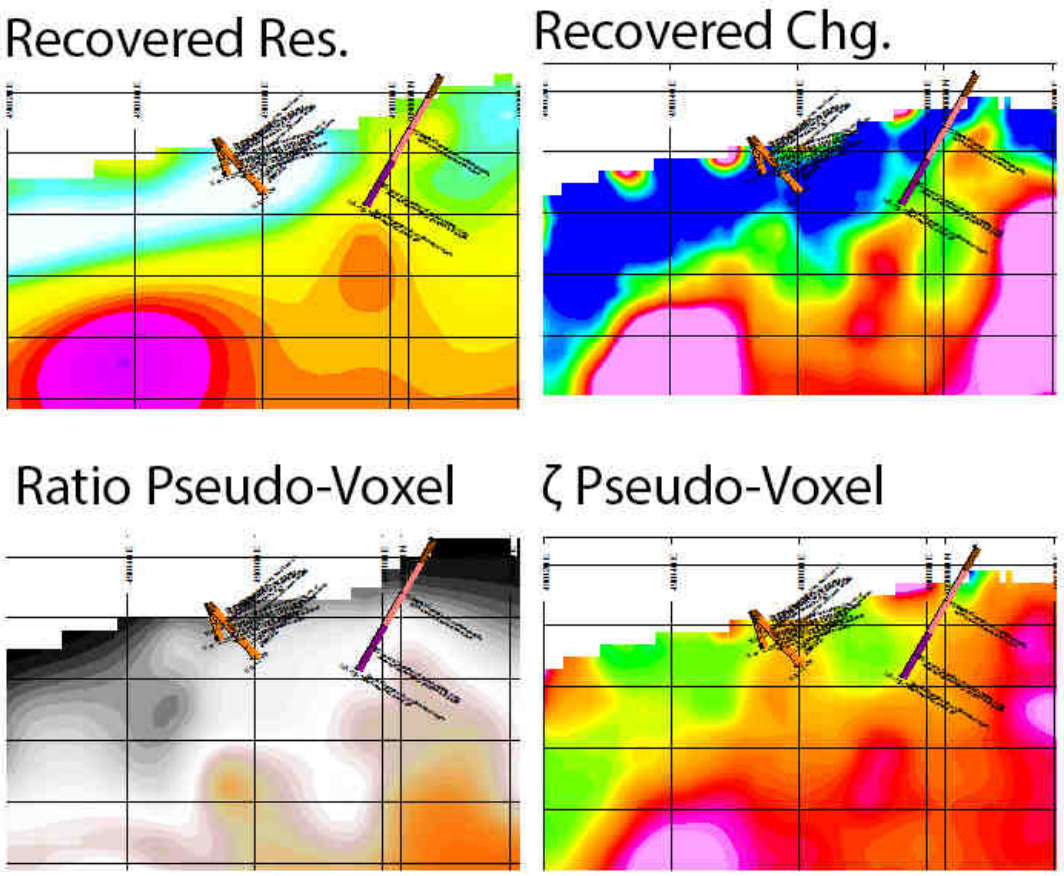


Figure 24: Drillholes NA-12-16 plotted against recovered resistivity and chargeability models as well as the ratio and ζ pseudo-voxels.

3.3 Geological Interpretation of the recovered models

Generally, the resistivity model showed that most of the survey area is underlain by a resistive unit (Figure 25) with the exception of the east end of L25N. The thickness of the highly resistive unit varies between 10-30m. This result is interpreted to represent quartzite which is consistent with the drillhole results and the mapped geology. Two large conductive lobes are modelled beneath the quartzite. The first, Feature A, starts at the south end of L100E and strikes roughly N-S to the north end of L150E. It passes beneath trenches 2 and 3. Drillhole NA-12-01 (Figure 18) intersected Feature A beneath L-25N corresponding to approximately 13m of graphitic schist. The second conductive lobe, Feature, B, is very wide and extends across the eastern half of the survey, coming to surface near station 210 on L25N. Drillholes NA-12-11 to 15 (Figure 21, Figure 22, Figure 23) intersected graphitic schist atthe margin of this feature. These conductive features are consistent with the bedrock geology of the area which indicates that the lower schist formation underlies the central quartzite formation. The lower schist formation outcrops in the northeast corner of the survey area.

The chargeability model (Figure 26) shows that the majority of the survey area is underlain by very non-chargeable rocks, consistent again with quarzite. Moderate to highly conductive rocks underlie the non-chargeable unit. There is a good correlation beween conductive Feature A and the chargeability model. Feature B in the resisvitity model does correlate well with recovered chargeability . Feature C, a chargeable lobe in the absense of a correlatable conductive response is recovered subparallel to Feature A. Feature C is weaker towards the north and strongest beneath L-25N. Within the Keno camp, it is common for mineralization to be associated with, and controlled by, north-south transverse structures. The strike and location of Features A and C suggest that these features represent transverse structures and may be related to ore emplacement.

Drill Target 1 (Figure 27) is a chargeability anomaly associated with Feature A and has a similar strike as the cliff trench. It is south east of the surface expression of the MFZ and in the HW. It is located in relatively conductive rock and is a discrete chargeability anomaly approximately 5mbelow the surface.

Drill Target 2 (Figure 28) is a discrete chargeability anomaly that is north west of the best ore zone in the main trench. It is spatially related to conductivity feature C and is located approximately 10mbelow the surface. It is considered lower priority than Drill Target 1 because it is in the FW.

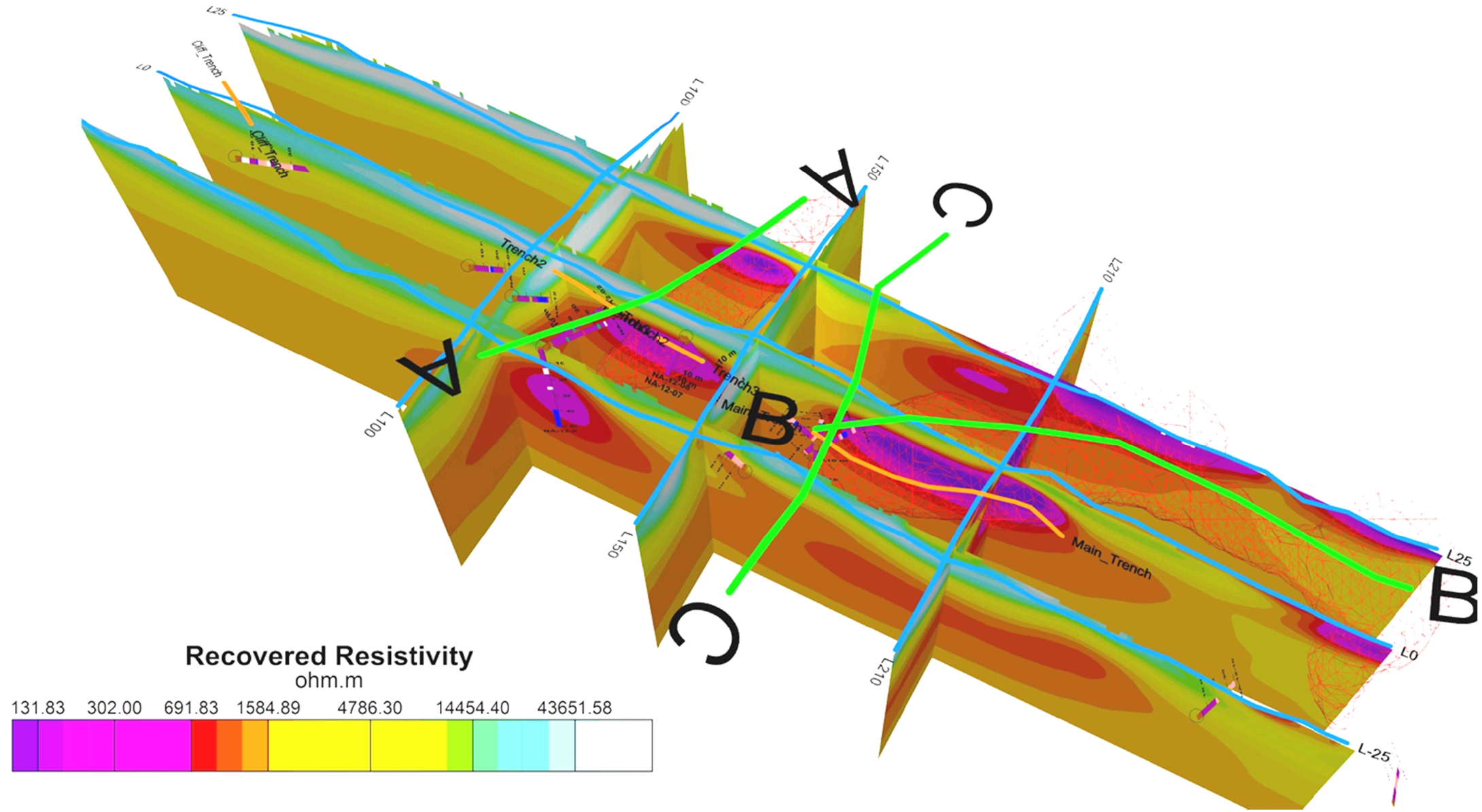
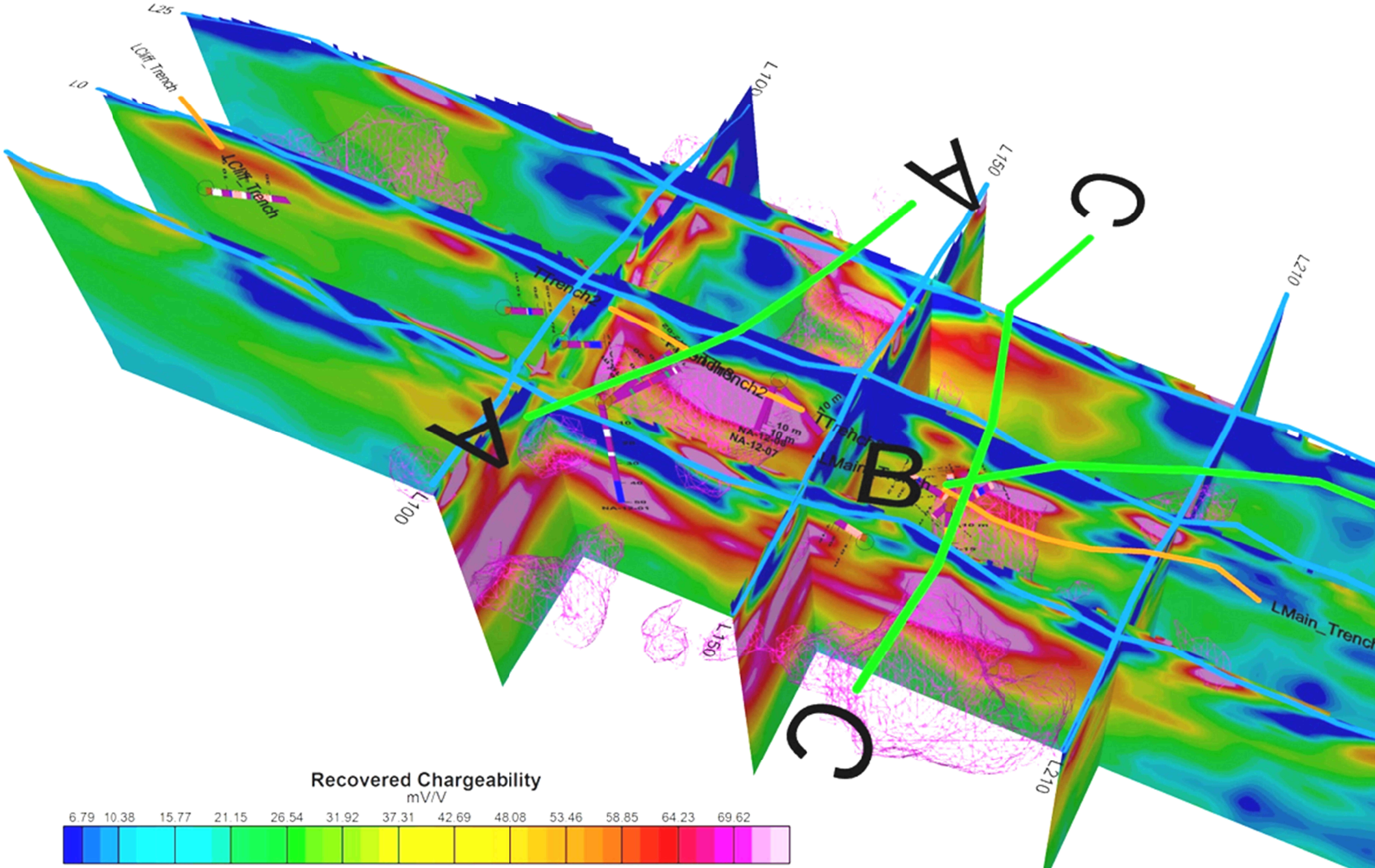


Figure 25: The recovered resistivity model viewed from the south. The isosurface (red wire frame surface) encloses areas of 250 ohm.m and lower (pink). The blue lines are the survey lines, and tlhe green lines show the trace of lobes A, B and C projected to surface.


L25
L0
LCliff_Trench
LCliff_Trench
L100
L150
L210
A
A
B
C
C
TTrench2
TTrench2
10 m
10 m
NA-12-07
L100
L150
L210
LMain_Trench
Recovered Chargeability
mV/V
6.79 10.38 15.77 21.15 26.54 31.92 37.31 42.69 48.08 53.46 58.85 64.23 69.62

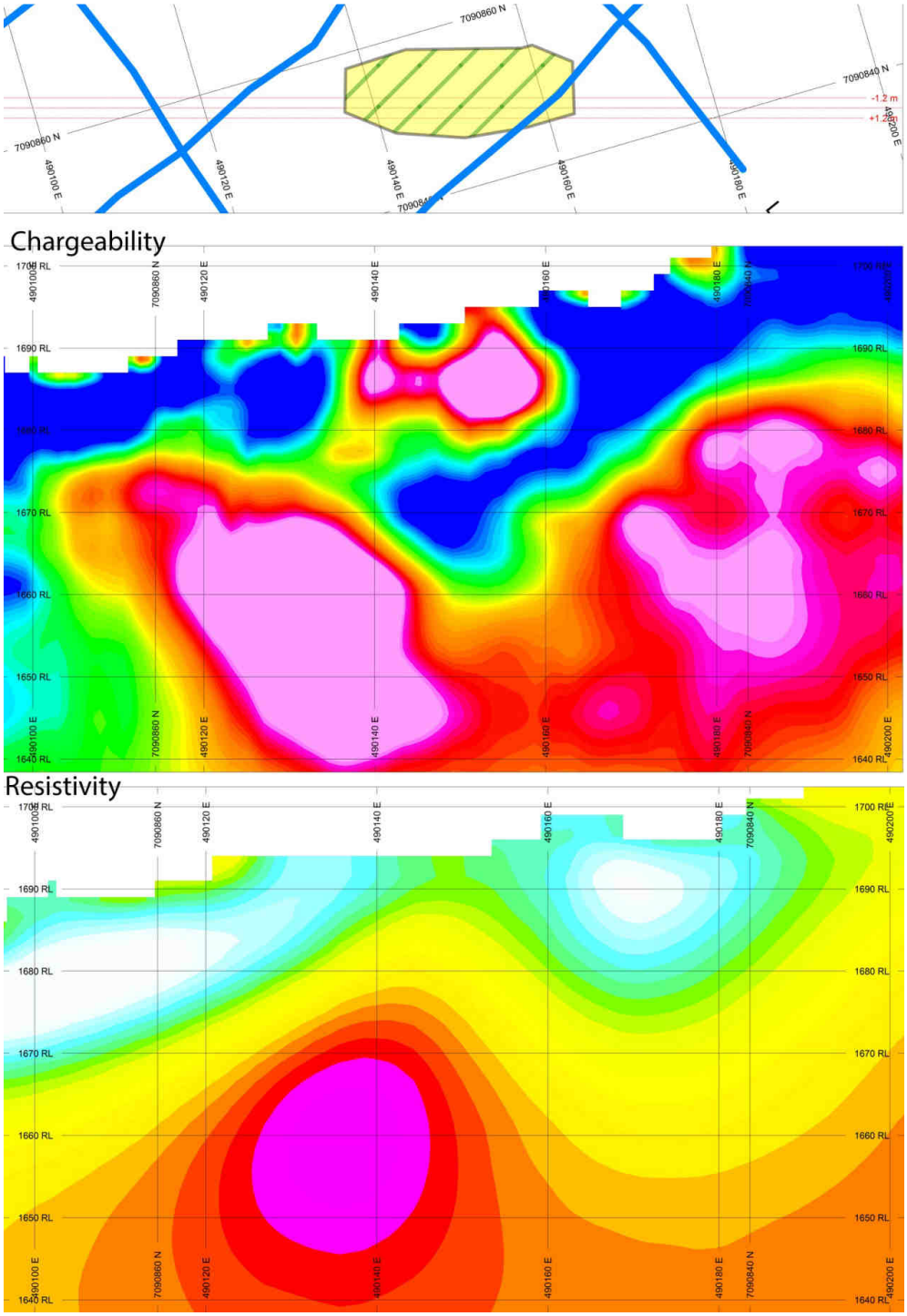


Figure 27: Recovered resistivity (bottom) and chargeability (middle) voxel slices along strike of Drill Target 1. The proposed anomaly is in plan view on the top.

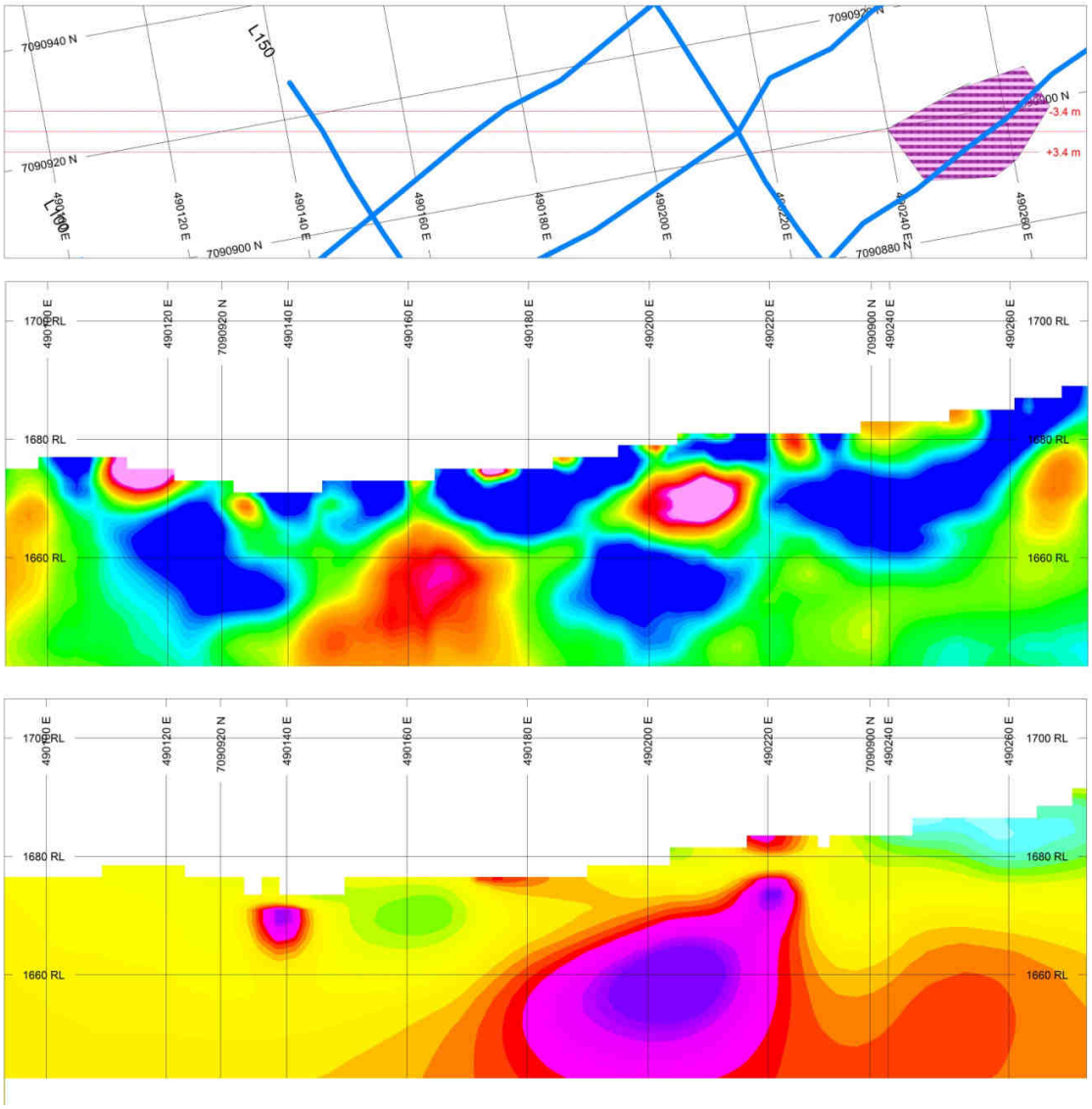


Figure 28: Recovered resistivity (bottom) and chargeability (middle) voxel slices along strike of Drill Target 2. The proposed anomaly is in plan view on the top.

4. SUMMARY

The recovered models successfully mapped out the macro geology of the area, predicting 10-30 m of highly resistive and non-chargeable quartzite overlying the conductive and chargeable lower schist formation (Figure 25). The model agreed with the historic geology that the contact between the two units would be on surface in the northeast corner of the survey area. The match between the drillhole geology and the recovered models was good, however some of the finer lithology details were beyond the resolution of the survey. Additionally, the petrophysics were not tested for all rock types, so their expected geophysical response is not known.

Some large structures dominated the resistivity and chargeability models (Figure 25, Figure 26). These structures have a similar orientation to known ore controlling structures in the keno camp, and were spatially related to ore on the Nabob claim (Figure 1).

The analysis of the chargeability decay in the rock physics samples led to the introduction of two new variables: the linear decay ratio and ζ. These parameters were sensitive to all ore discovered in the trenches. Additionally, several prospective areas along the strike of the main vein were identified as being high priority ore zones (Figure 1). The most useful tool for locating ore with this analysis consists of making plan maps of the shallow dipole survey data (Figure 6, Figure 9, Figure 12). There is an excellent correlation between the low ratio, high zeta, and ore in cliff trench, the main trench and trench 2.

Two drill targets are presented here. Drill target 1 is highest priority due to its favourable location, strike and geophysical response. Drill target 2 is promising from a geophysical standpoint, but is in the footwall not the hanging wall. There exist other geophysical targets, but they are low priority due to their location and depth.

5. PRODUCTS

\Pred Vs Obs - Stacked	Pseudosections comparing the observed data to the predicted data from the recovered models
\Plan Maps	Plan maps of the observed data for n=1 to n=3 and the location map (Figure 1) of the area.
\Drillhole Sections	Drillhole sections for all holes in the survey area plotted on top of model and pseudo model slices.
\Models	Recovered resistivity and chargeability models in voxel and UBC format (padding cells removed).
\3D views	Jpgs of 3D views containing sections along the strike of each line, isosurfaces and the surface trace of survey lines and anomalies.
\Linear Decay Graphs	Linear decay graphs for all the survey data.
\Pseudosections	Pseudosections for all survey lines containining resistivity, chargeability, ratio and zeta,

Respectfully Submitted,

Louis Rosenthal

Dave Hildes

Appendix IV *– AGL's SC3DIP Interpretive Maps*

Legend

- 2012 and 2013 Trenching
- Receiver Lines
- Transmitter location, crosslines
- 2012 Drillholes

Ore Mined
tons

- 20
- 15
- 10
- 5

- Surface targets
- Drill targets
- Outline of conductive lobes, elev 1662 m
- Outline of chargeable lobes, elev 1662 m

490000 490050 490100 490150 490200 490250 490300

7090950 7090900 7090850 7090800

L25 N L0 N L-25 N

L100 E L150 E L210 E

1670 1680 1690 1700 1710 1720

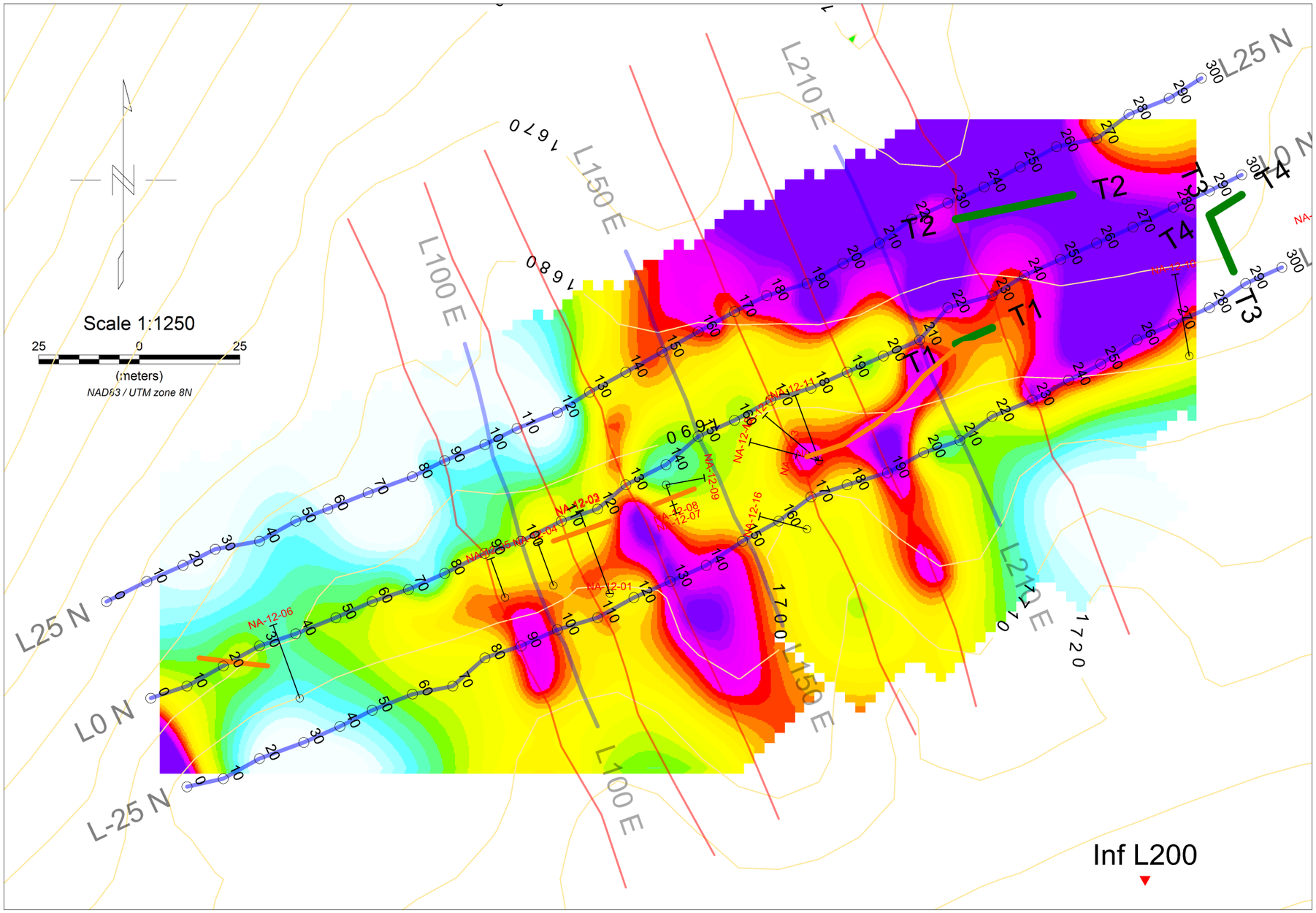
Main_Trench Trench2 Trench3 Cliff_Trench

NA-12-01 NA-12-02 NA-12-03 NA-12-04 NA-12-05 NA-12-06 NA-12-07 NA-12-08 NA-12-09 NA-12-10 NA-12-11 NA-12-12 NA-12-13 NA-12-14 NA-12-15 NA-12-16 NA-12-17

Inf L200

Scale 1:500
10 0 10 20 30
(meters)
NAD83 / UTM zone 8N

KENO HILL EXPLORATION	
Location Map - SC3DIP Interpretation **Nabob Claim**	
Mining District: Mayo Date: Feb. 20, 2014	NTS: 105M14 Job#: KHE-12553-YT
AURORA GEOSCIENCES LTD.	



App. Resistivity
ohm.m

2275 3347 4926 7248 10665 15693 23092 33980

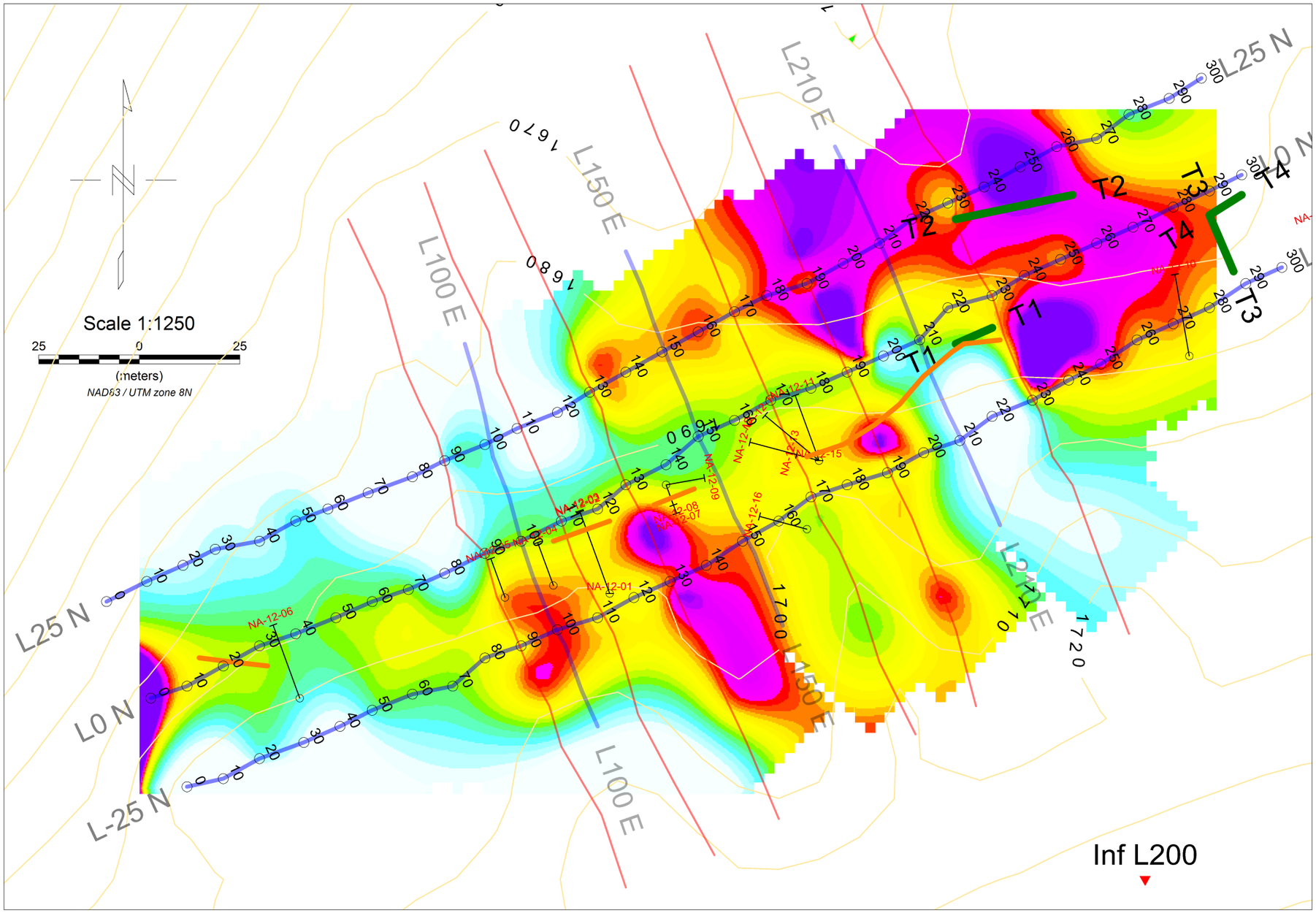
KENO HILL EXPLORATION

Shallow dipole plan Map - N=3
Apparent Resistivity
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



App. Resistivity
ohm.m

2275 3347 4926 7248 10665 15693 23092 33980

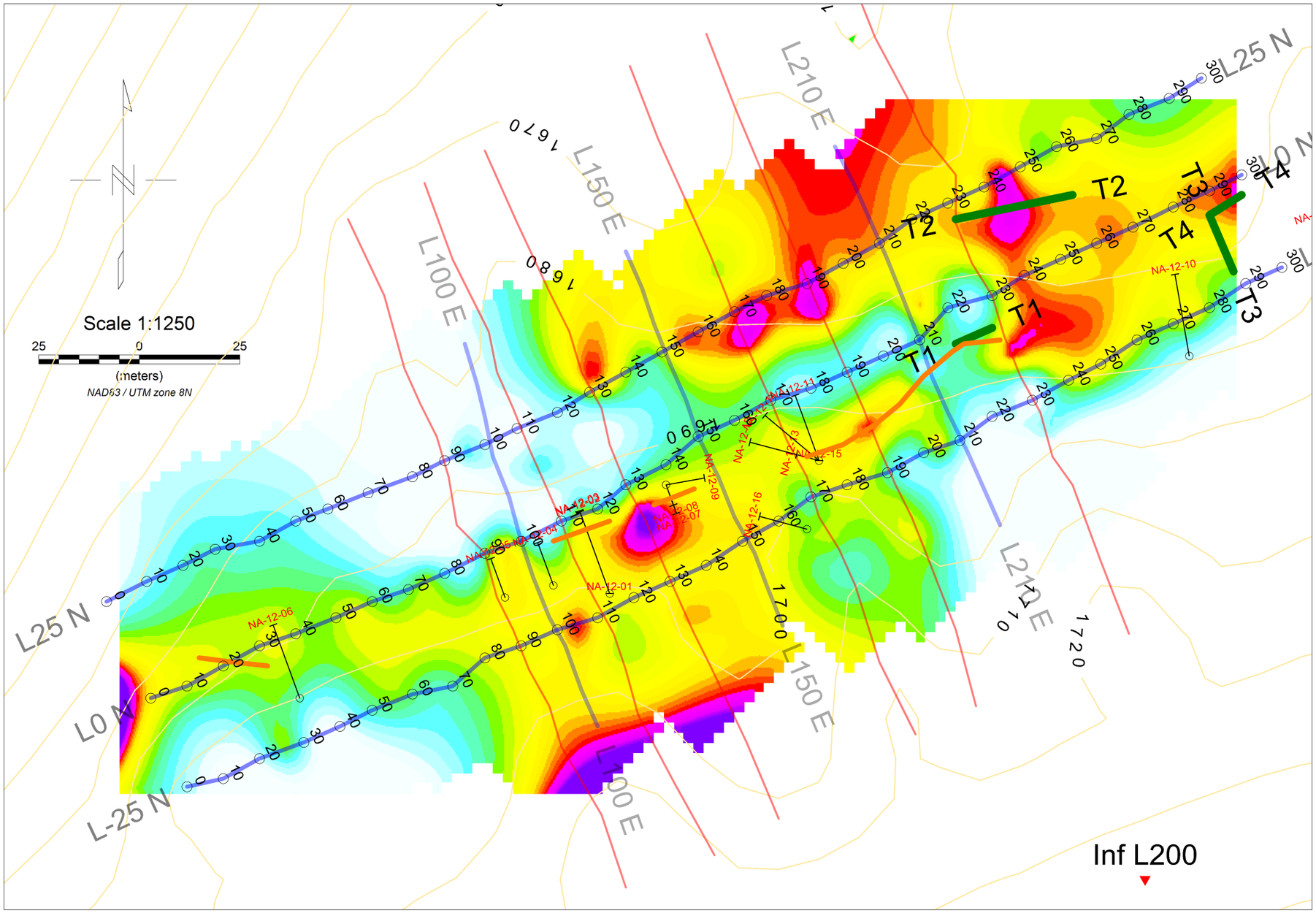
KENO HILL EXPLORATION

Shallow dipole plan Map - N=2
Apparent Resistivity
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



App. Resistivity
ohm.m

2275	3347	4926	7248	10665	15693	23092	33980

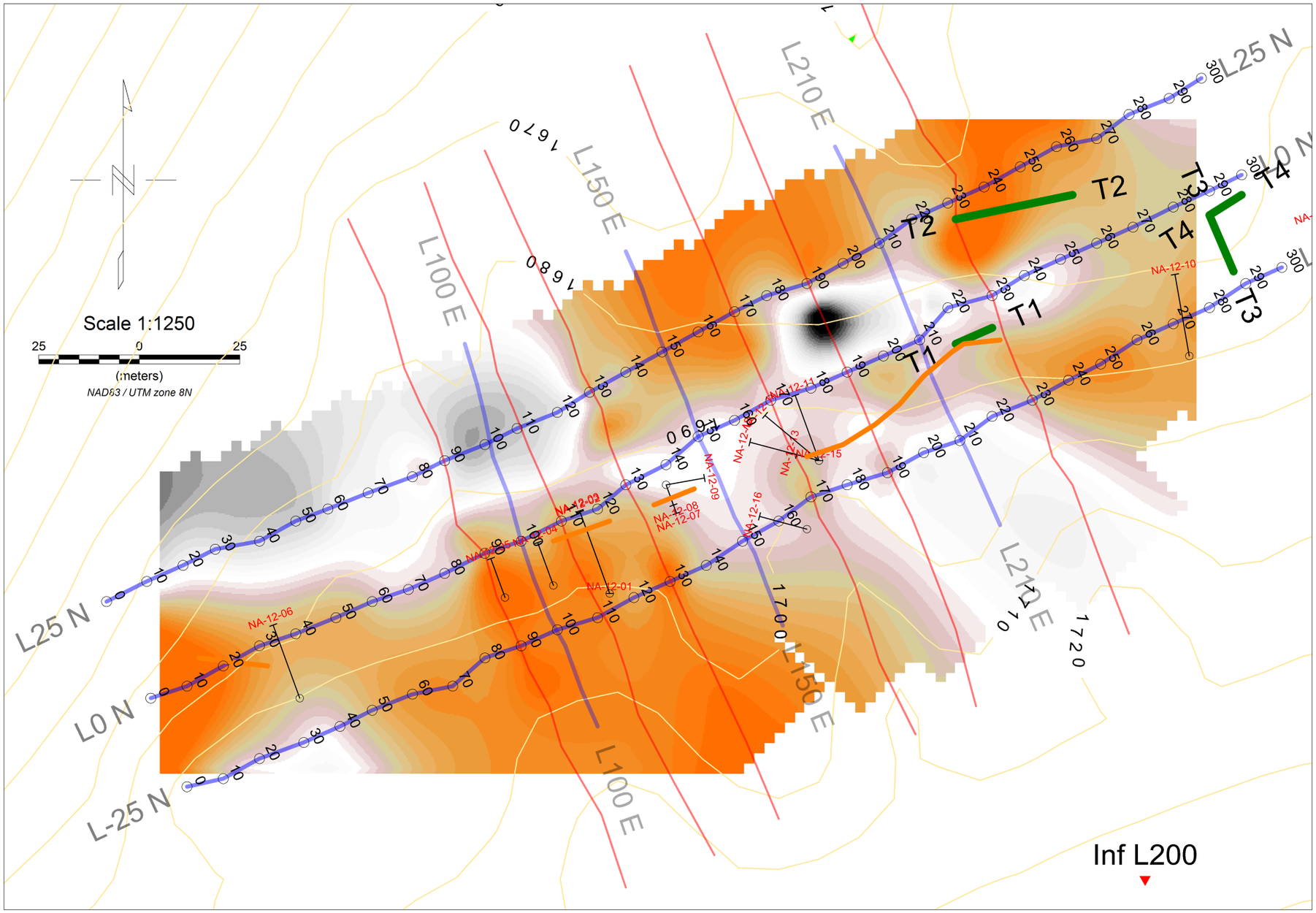
KENO HILL EXPLORATION

Shallow dipole plan Map - N=1
Apparent Resistivity
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



Ratio

3.02 3.07 3.12 3.17 3.22 3.27 3.31 3.36 3.41 3.46 3.51 3.56 3.60 3.65

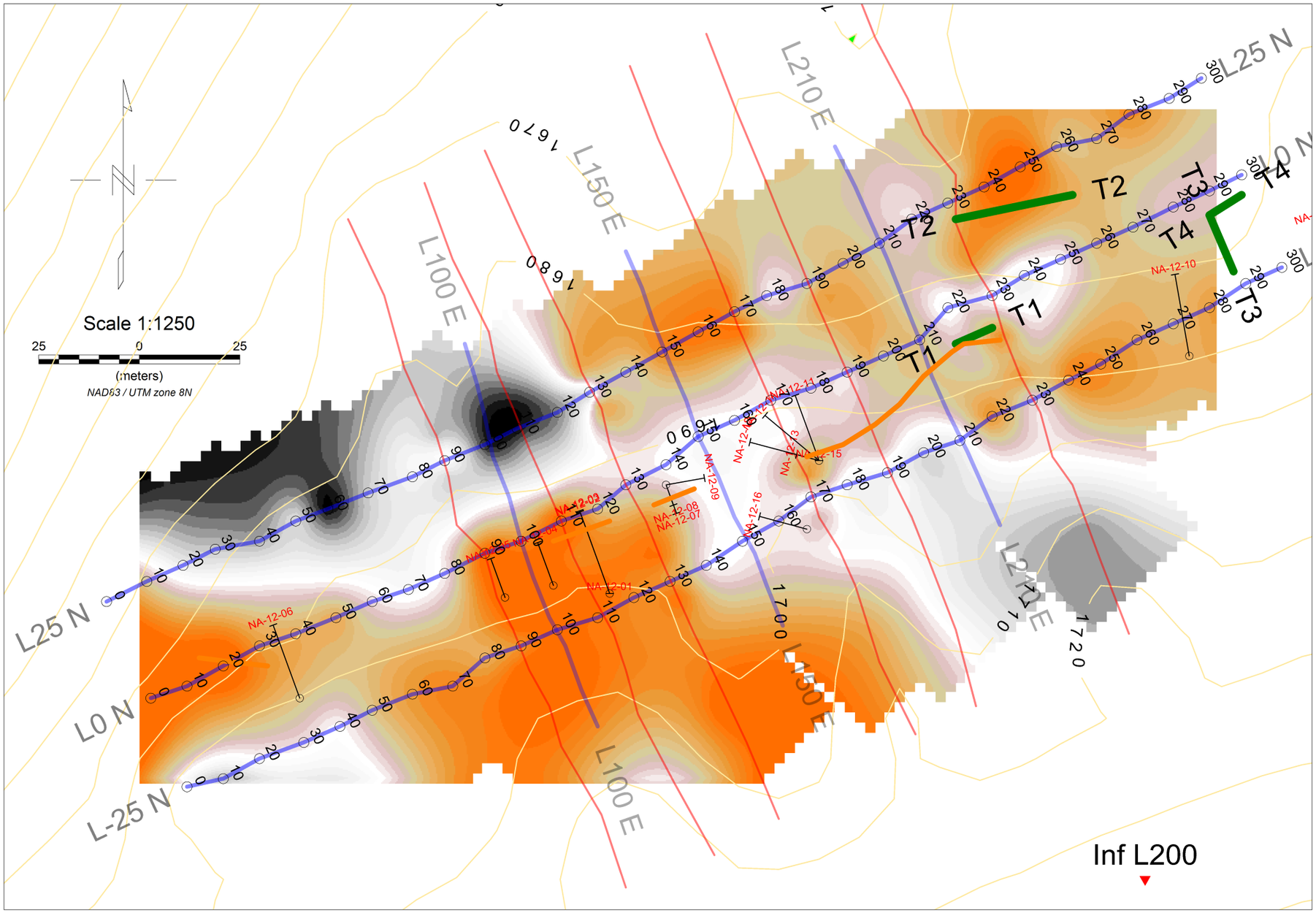
KENO HILL EXPLORATION

Shallow dipole plan Map - N=3
Ratio - Chg at 240ms time gate/1680ms time gate
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



Ratio

3.02 3.07 3.12 3.17 3.22 3.27 3.31 3.36 3.41 3.46 3.51 3.56 3.60 3.65

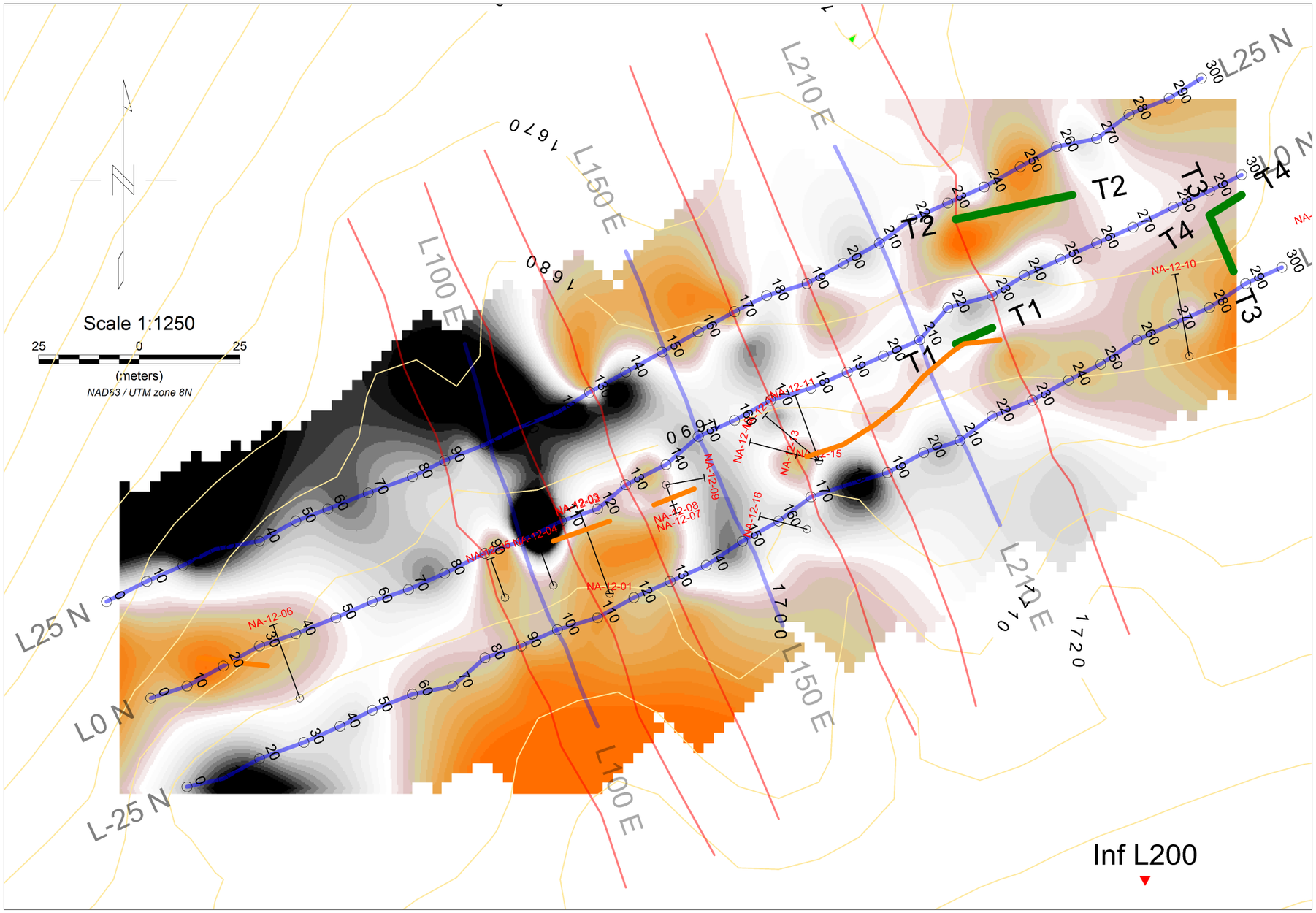
KENO HILL EXPLORATION

Shallow dipole plan Map - N=2
Ratio - Chg at 240ms time gate/1680ms time gate
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



Ratio

3.02 3.07 3.12 3.17 3.22 3.27 3.31 3.36 3.41 3.46 3.51 3.56 3.60 3.65

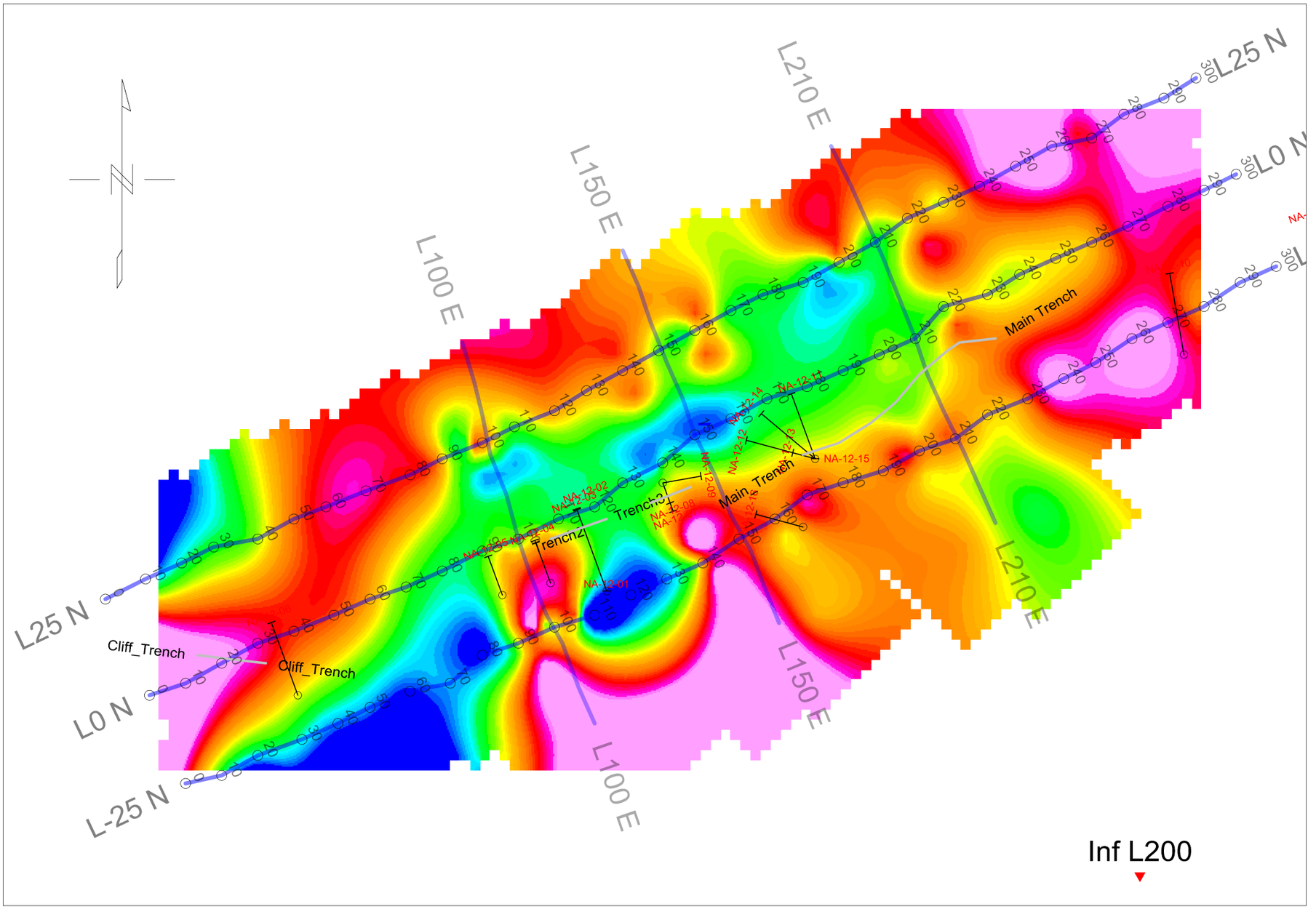
KENO HILL EXPLORATION

Shallow dipole plan Map - N=1
Ratio - Chg at 240ms time gate/1680ms time gate
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



Zeta

-3.12 -2.57 -2.28 -1.92 -1.65 -1.42 -1.26 -1.09 -0.93 -0.78 -0.58 -0.33 0.20

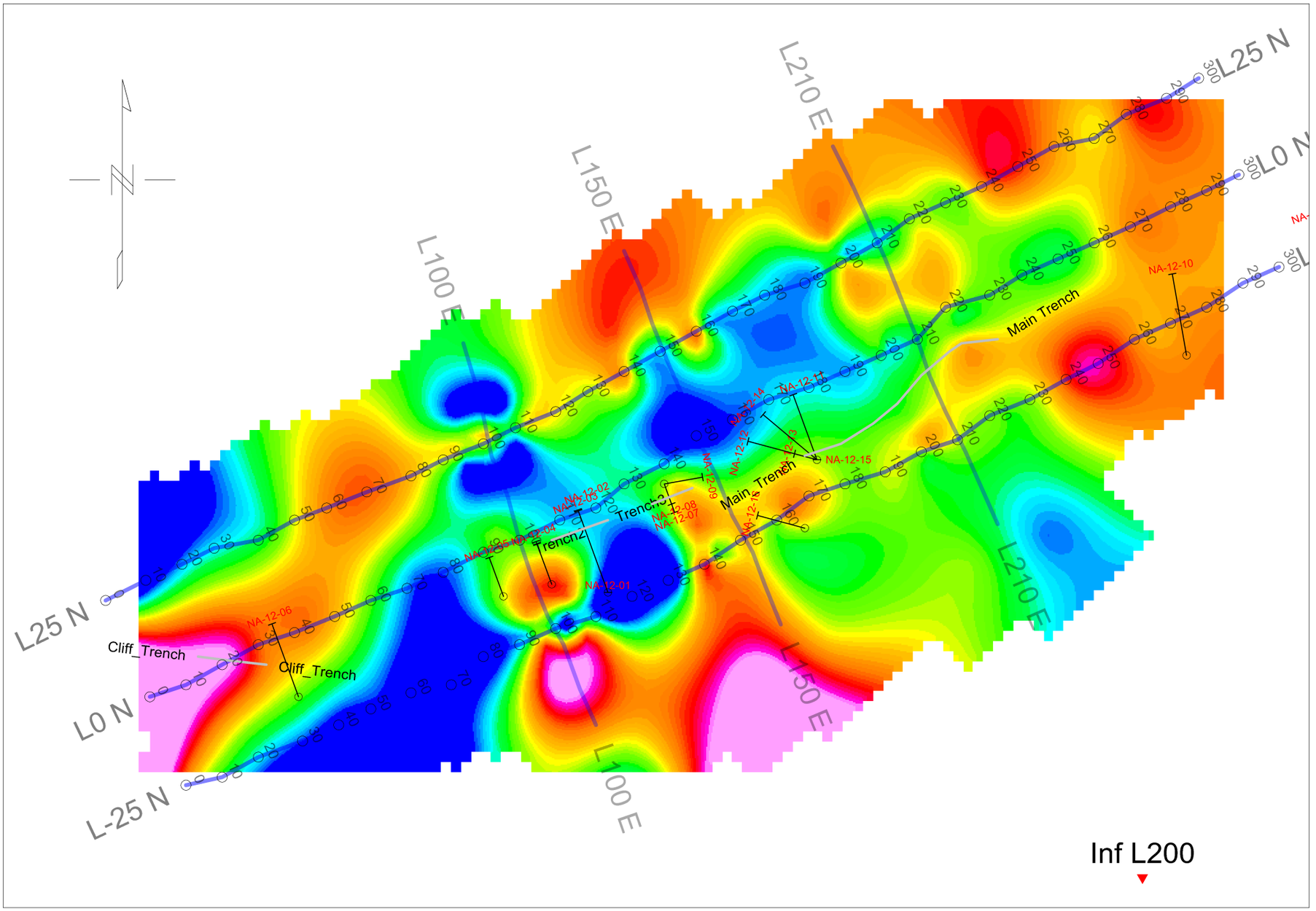
KENO HILL EXPLORATION

Shallow dipole plan Map - N=3
Zeta - [Normalized CHG]-[Normalized Ratio]
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



Zeta

-3.12 -2.57 -2.28 -1.92 -1.65 -1.42 -1.26 -1.09 -0.93 -0.78 -0.58 -0.33 0.20

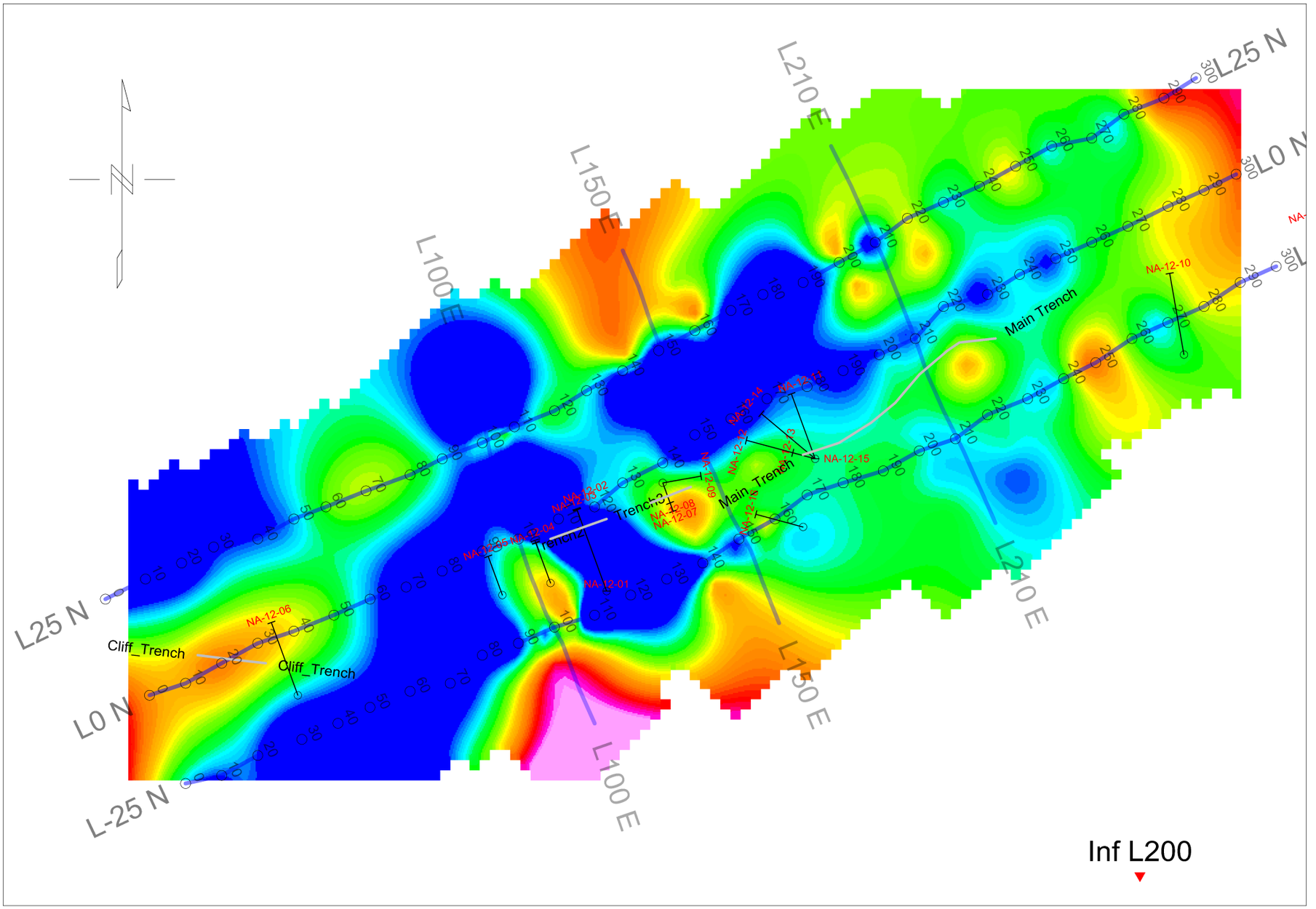
KENO HILL EXPLORATION

Shallow dipole plan Map - N=2
Zeta - [Normalized CHG]-[Normalized Ratio]
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



Zeta

-3.12 -2.57 -2.28 -1.92 -1.65 -1.42 -1.26 -1.09 -0.93 -0.78 -0.58 -0.33 0.20

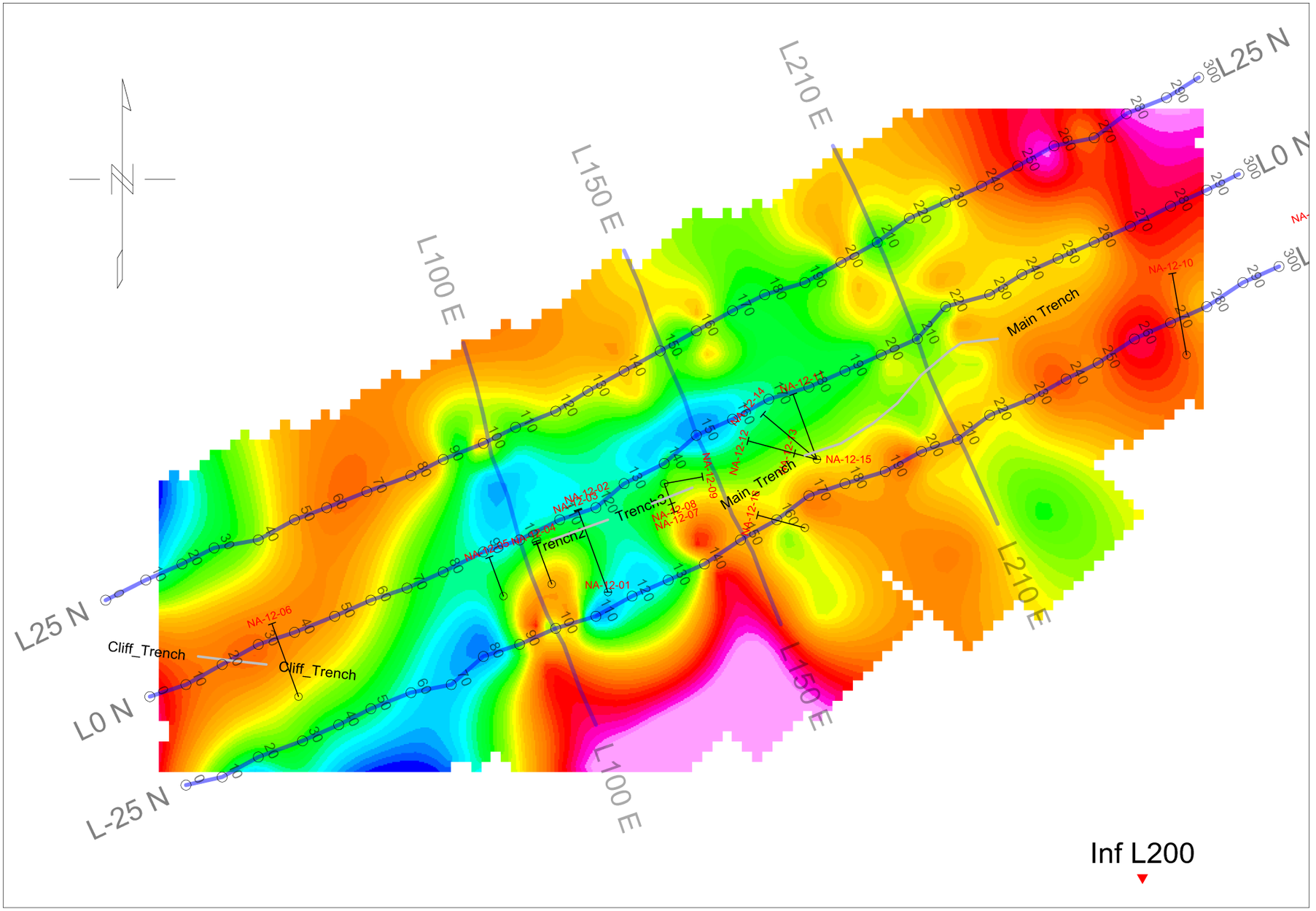
KENO HILL EXPLORATION

Shallow dipole plan Map - N=1
Zeta - [Normalized CHG]-[Normalized Ratio]
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



App. Chargeability

mV/V

6.15 8.46 10.77 14.23 17.69 21.15 24.62 28.08 31.54 35.00 38.46 41.92 45.38 48.85

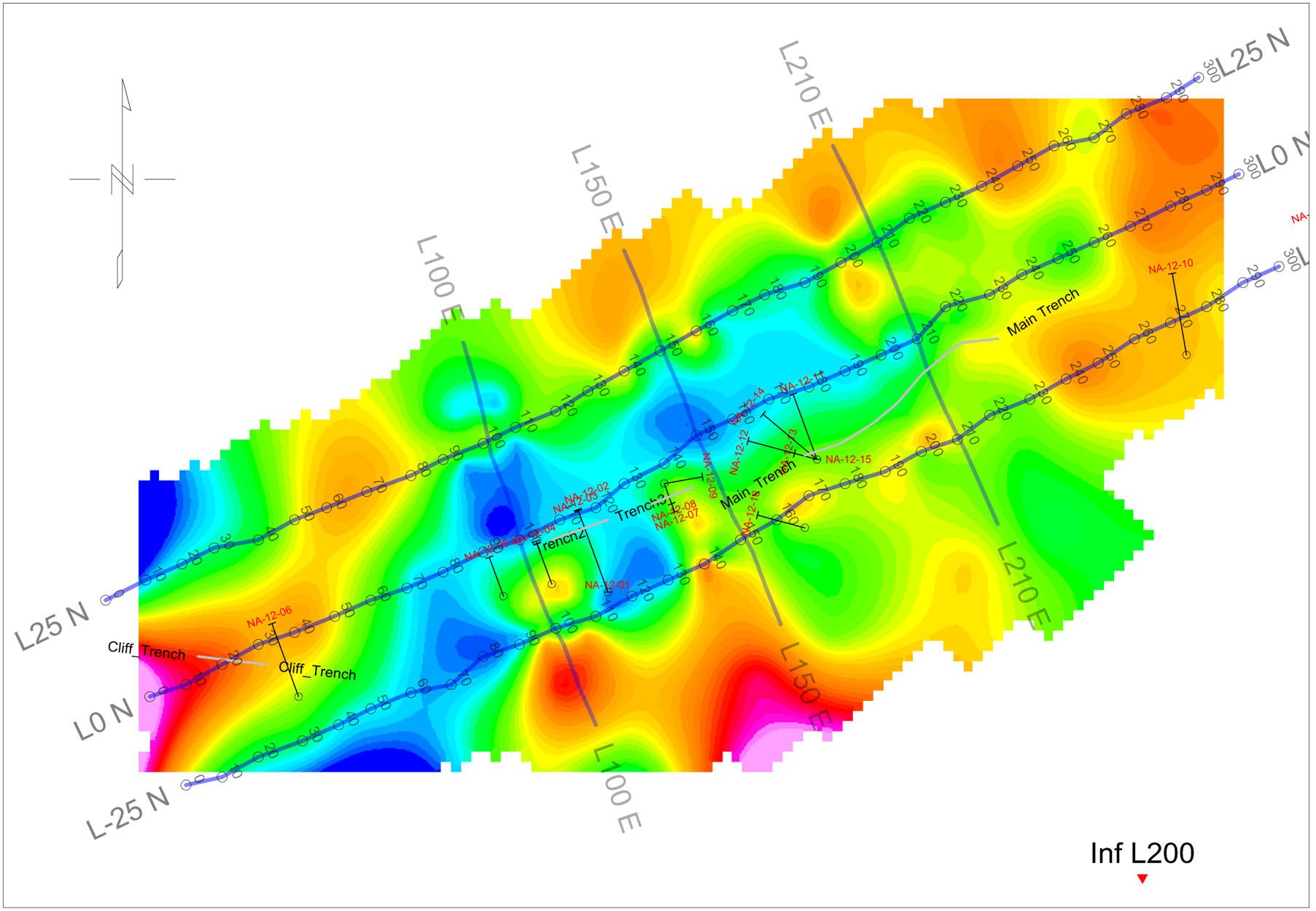
KENO HILL EXPLORATION

Shallow dipole plan Map - N=3
App. Chargeability
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



App. Chargeability

mV/V

6.15 8.46 10.77 14.23 17.69 21.15 24.62 28.08 31.54 35.00 38.46 41.92 45.38 48.85

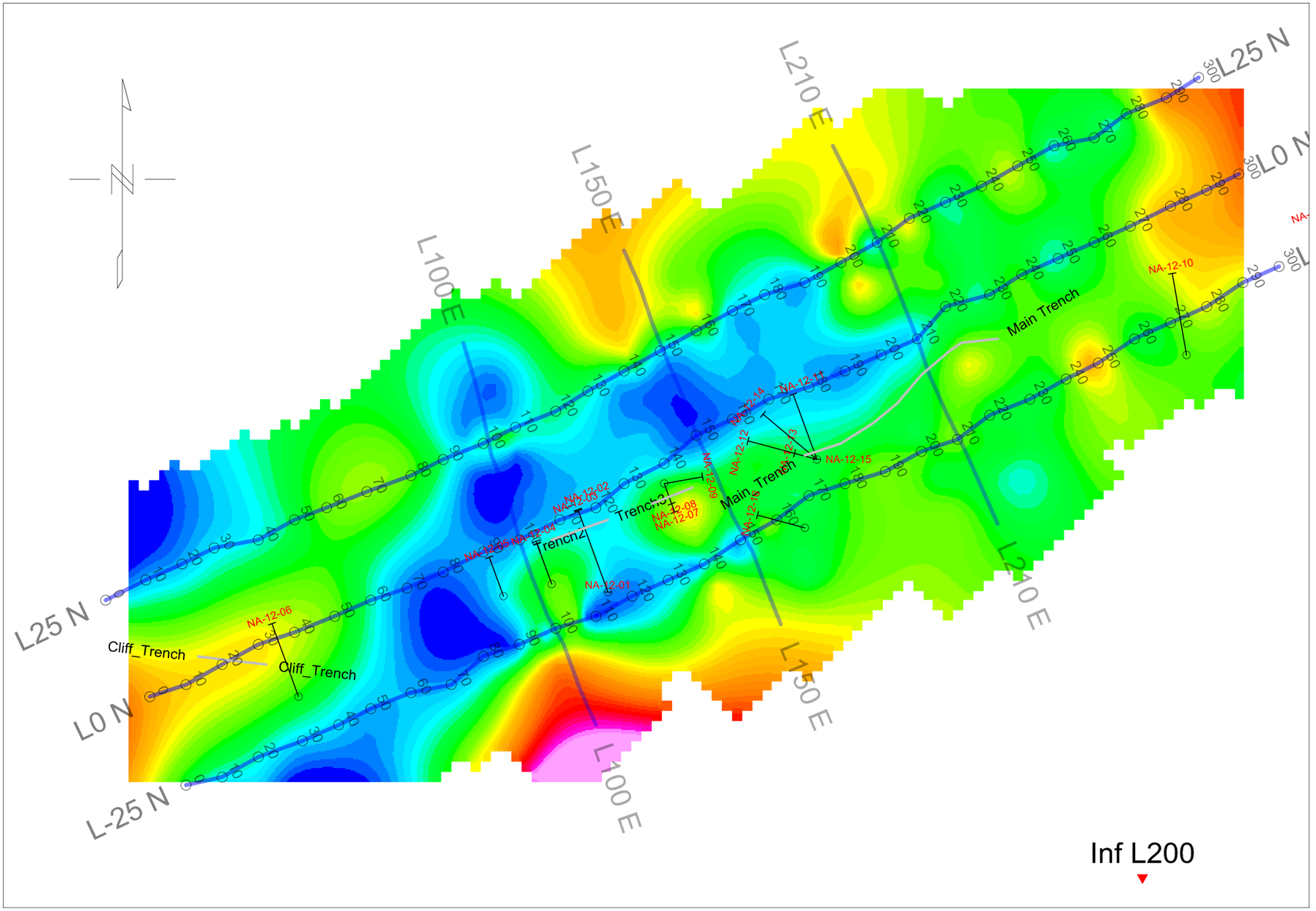
KENO HILL EXPLORATION

Shallow dipole plan Map - N=2
App. Chargeability
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.



App. Chargeability

mV/V

6.15 8.46 10.77 14.23 17.69 21.15 24.62 28.08 31.54 35.00 38.46 41.92 45.38 48.85

KENO HILL EXPLORATION

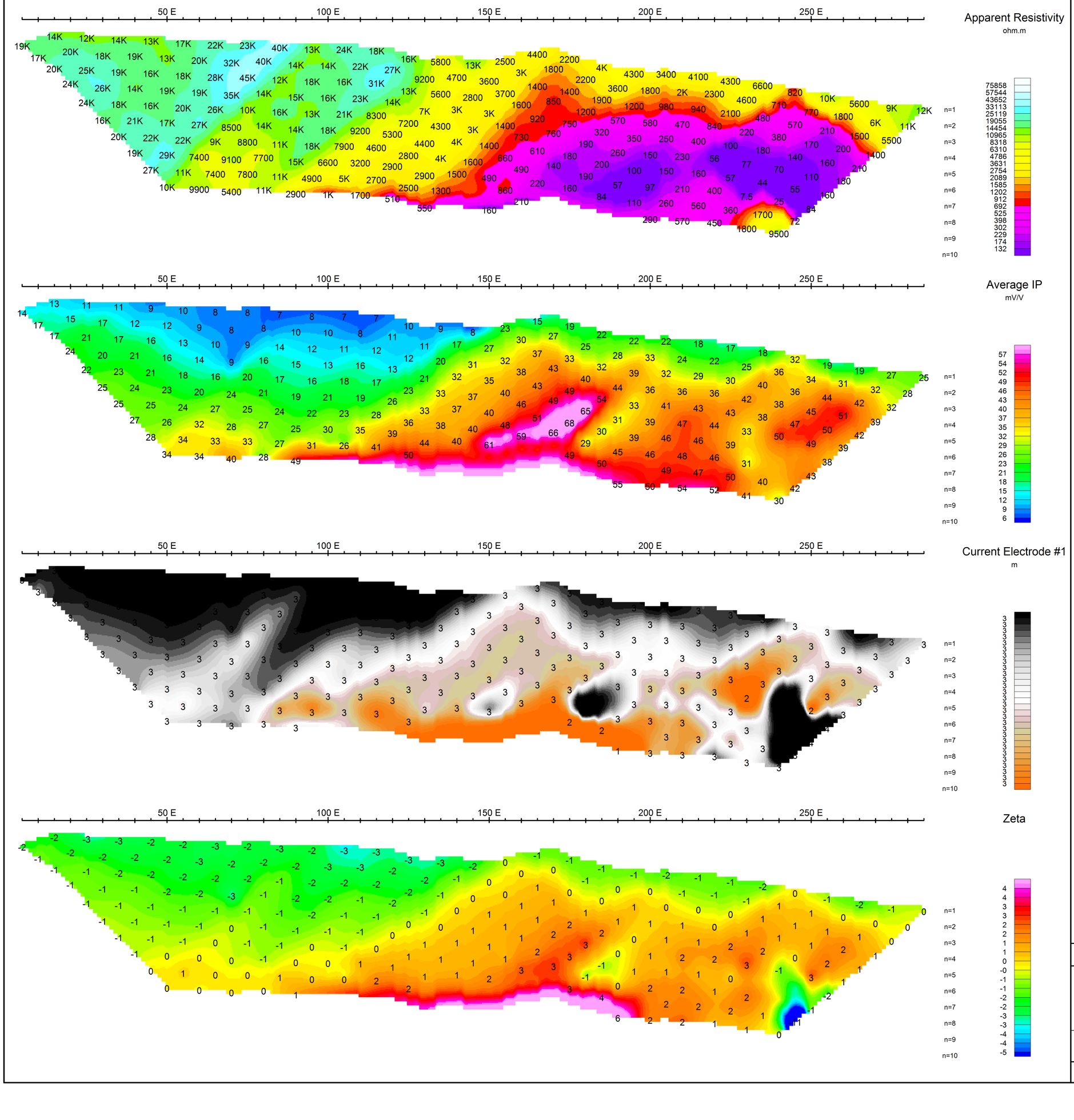
Shallow dipole plan Map - N=1
App. Chargeability
Nabob Claim

Mining District: Mayo
Date: Feb. 20, 2014

NTS: 105M14
Job#: KHE-12553-YT

AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
25 N



Stationary electrode at 490353E 7090982N (moving NE).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012

Scale 1:1000

10 0 10 20 30 40 50 60

(meters)

KENO HILL EXPLORATIONS

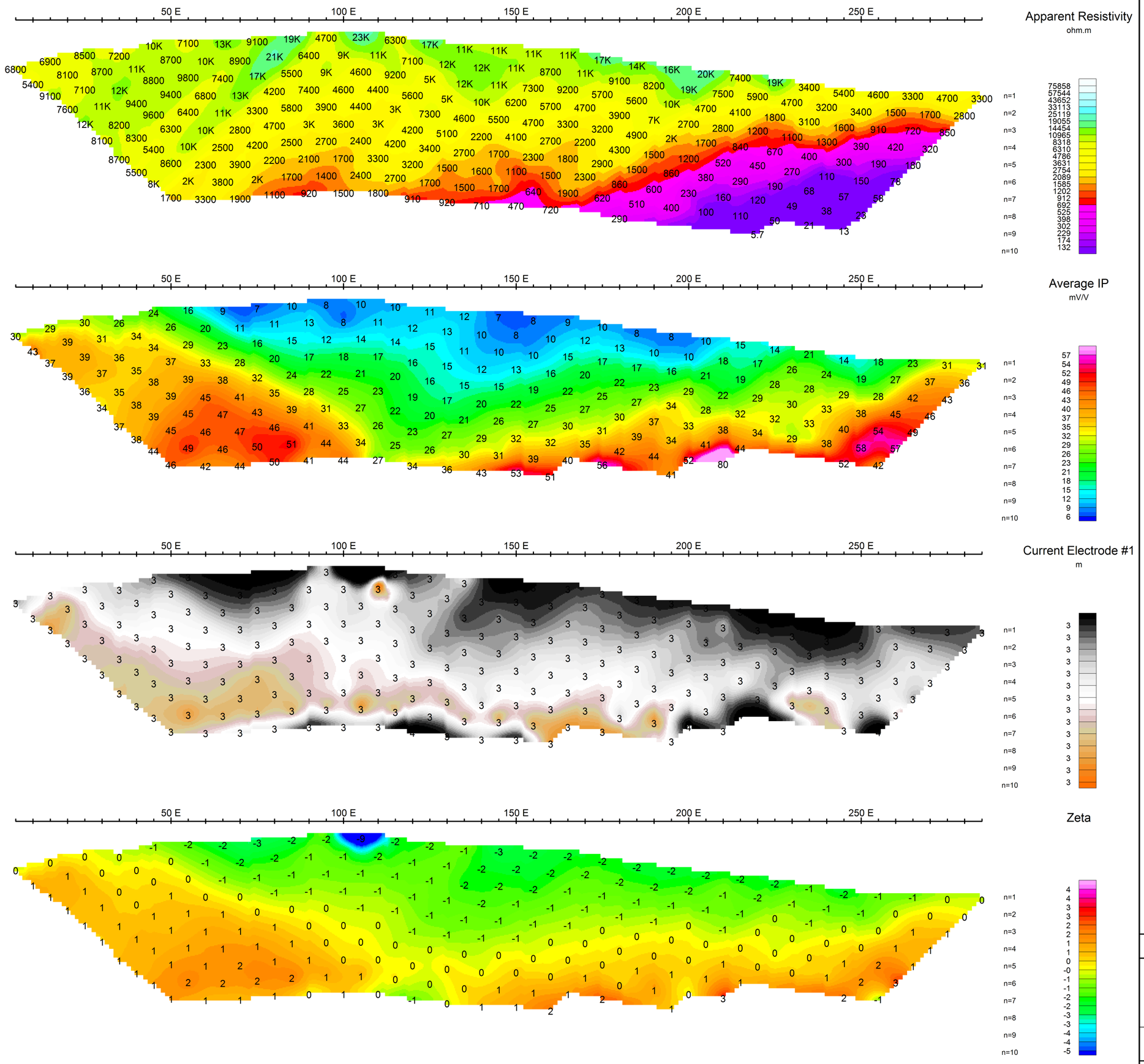
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 25 N

Mining District: Mayo
Date: July 16, 2012

NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
0 N



Stationary electrode at 490353E 7090982N (moving NE).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012

Scale 1:1000

10 0 10 20 30 40 50 60

(meters)

KENO HILL EXPLORATIONS

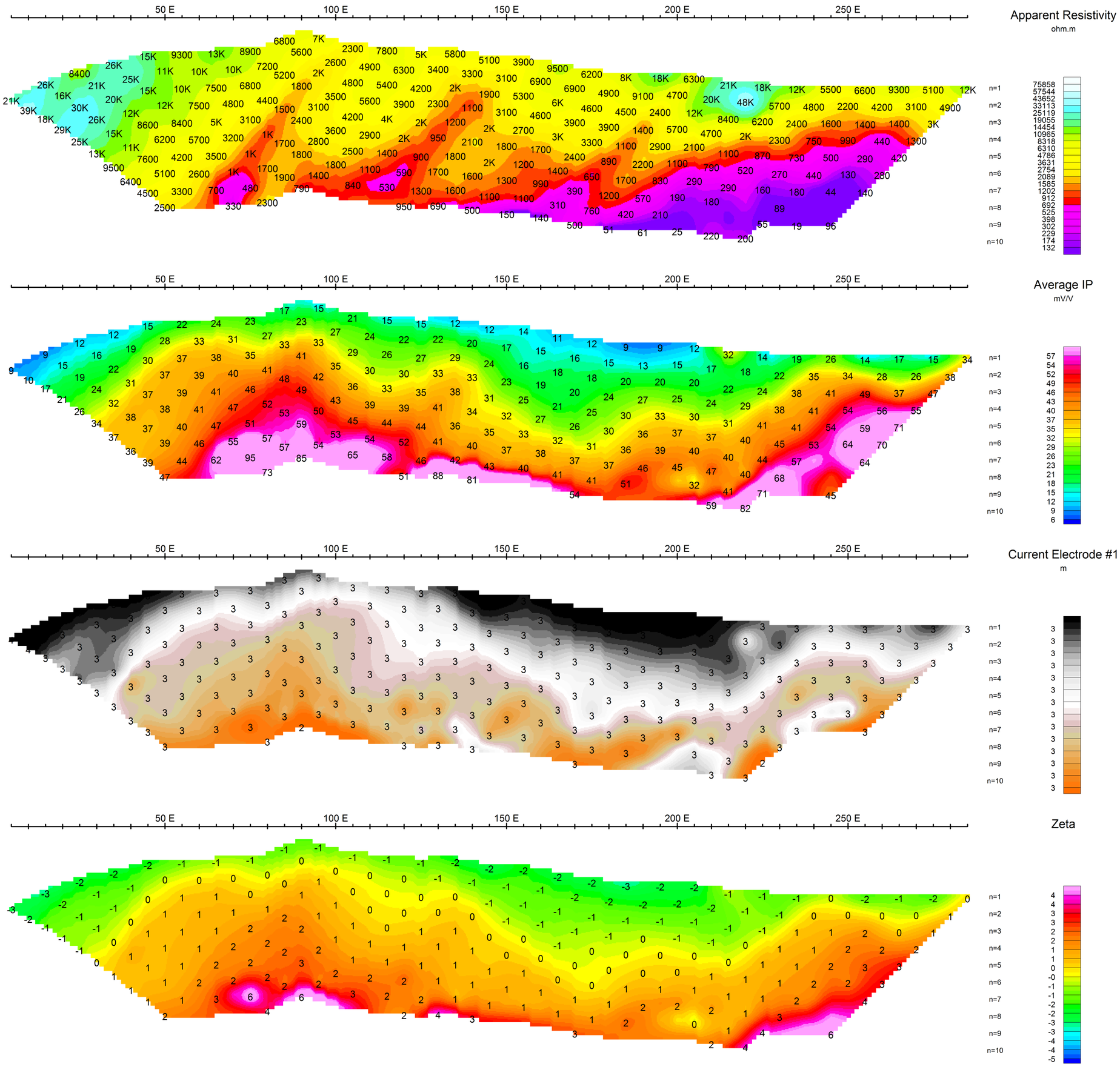
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 0 N

Mining District: Mayo
Date: July 16, 2012

NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
25 S



Stationary electrode at 490353E 7090982N (moving NE).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012

Scale 1:1000

10 0 10 20 30 40 50 60

(meters)

KENO HILL EXPLORATIONS

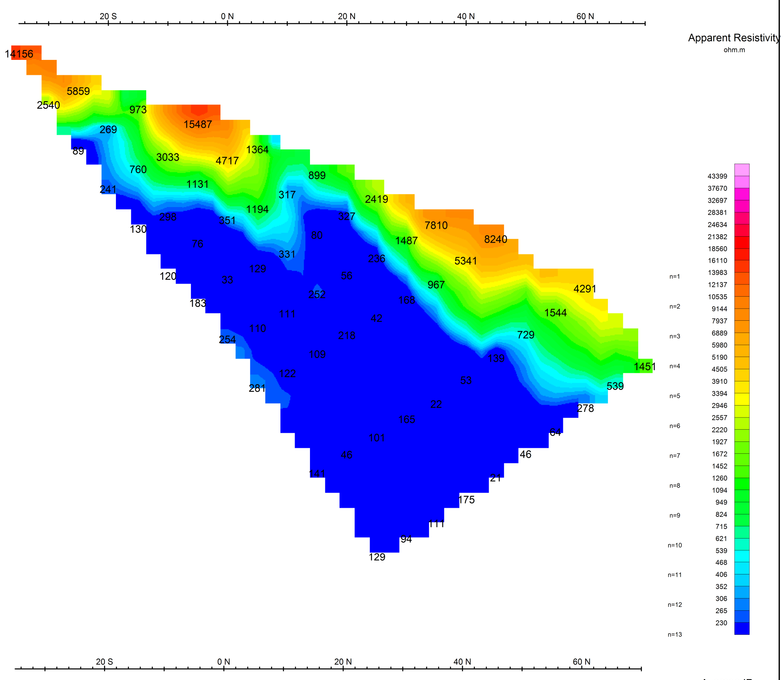
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 25 S

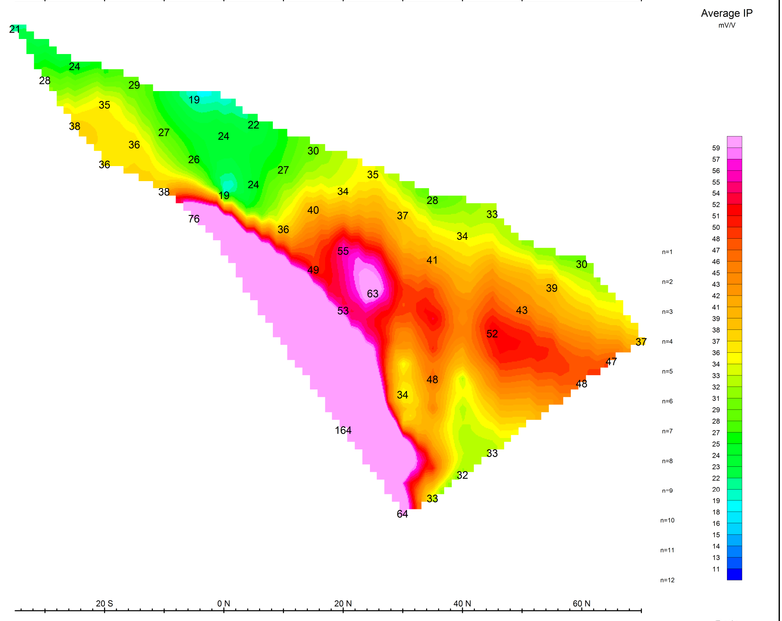
Mining District: Mayo
Date: July 16, 2012

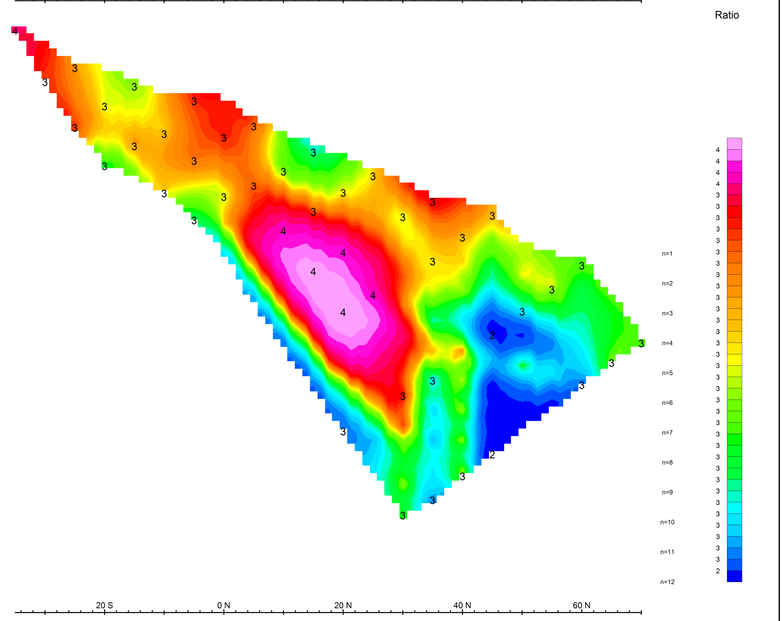
NTS: 105M14
Job: KHE-12553-YT

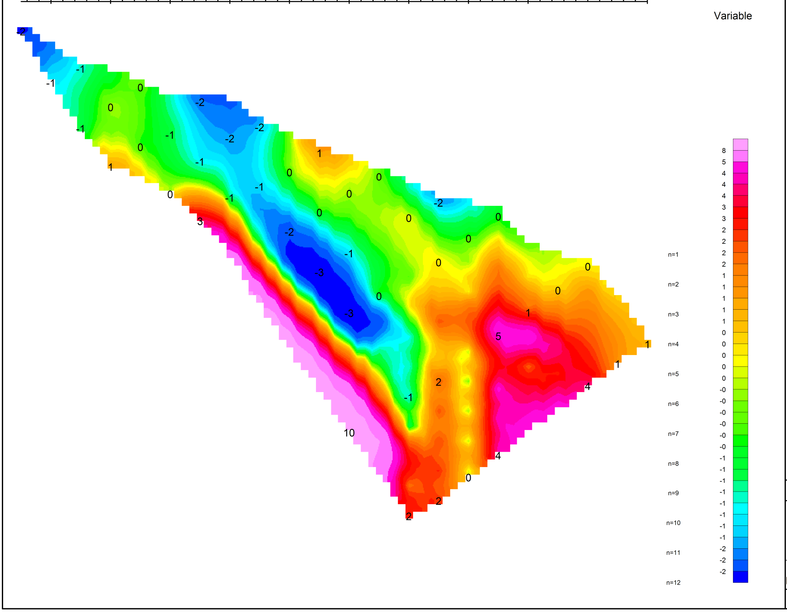
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
220 E









Stationary electrode at 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

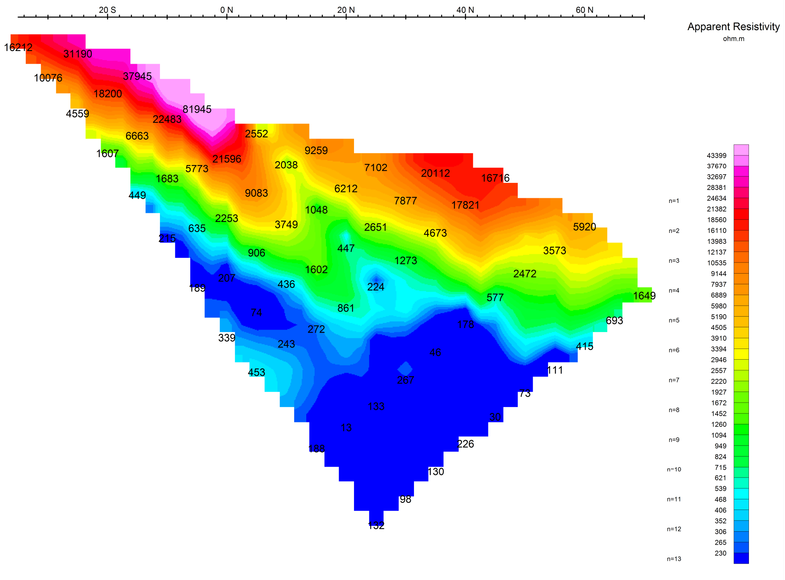
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 220 E

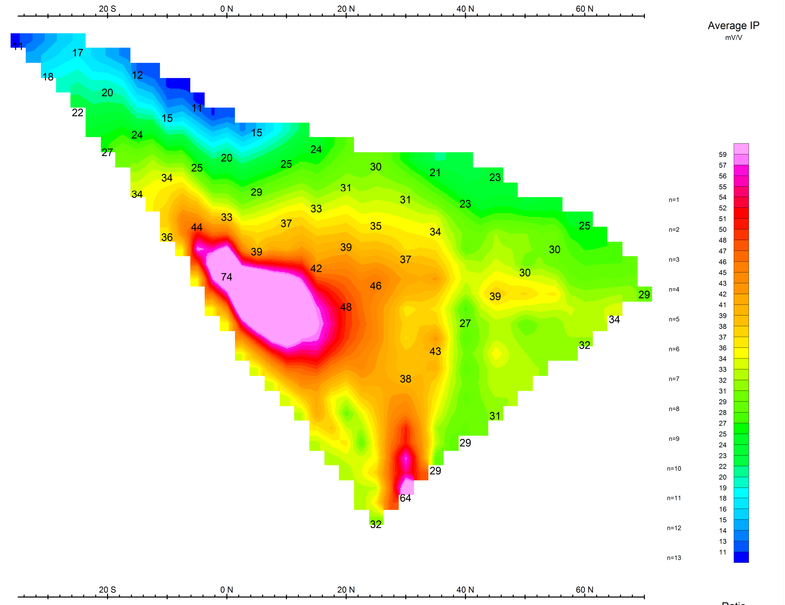
Mining District: Mayo
Date: February 14, 2014

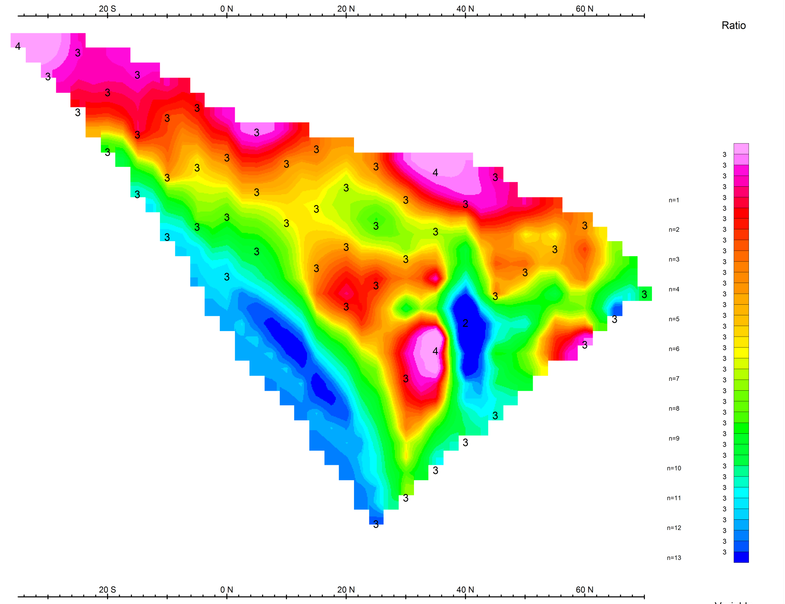
NTS: 105M14
Job: KHE-12553-YT

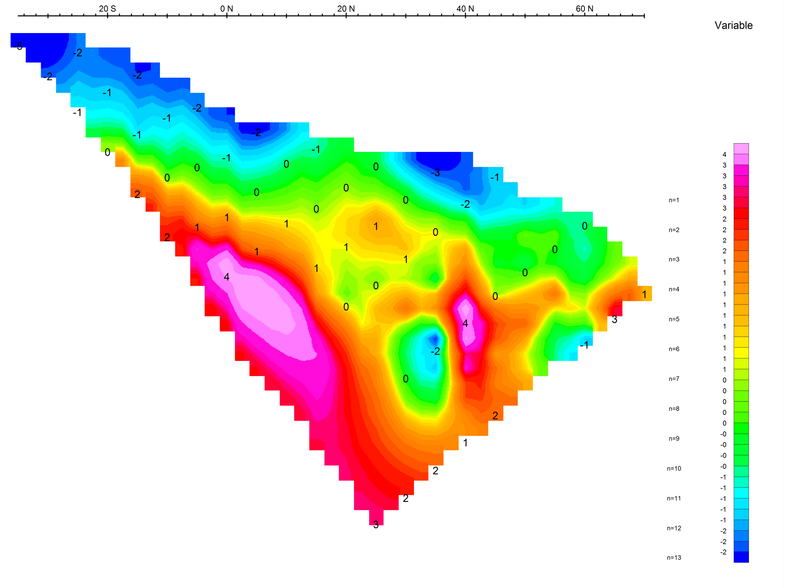
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
200 E









Stationary electrode at 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

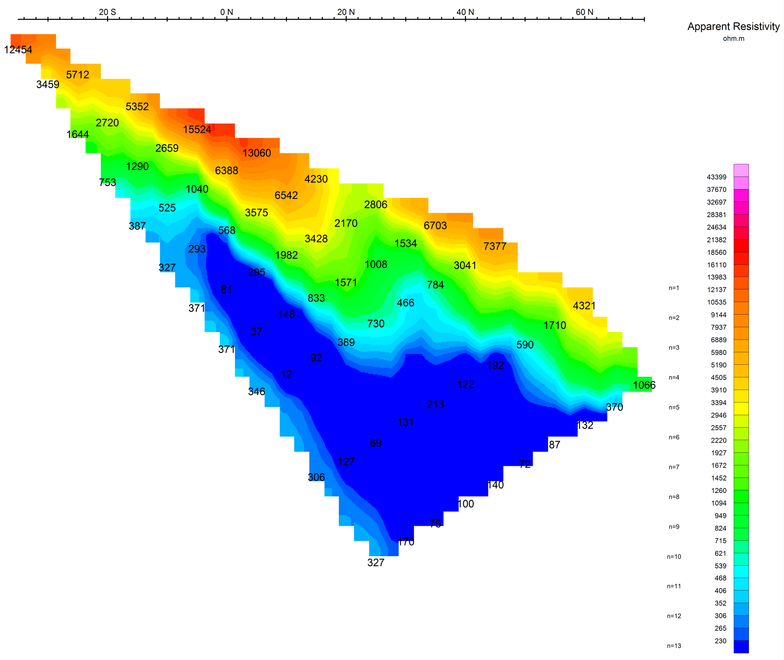
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 200 E

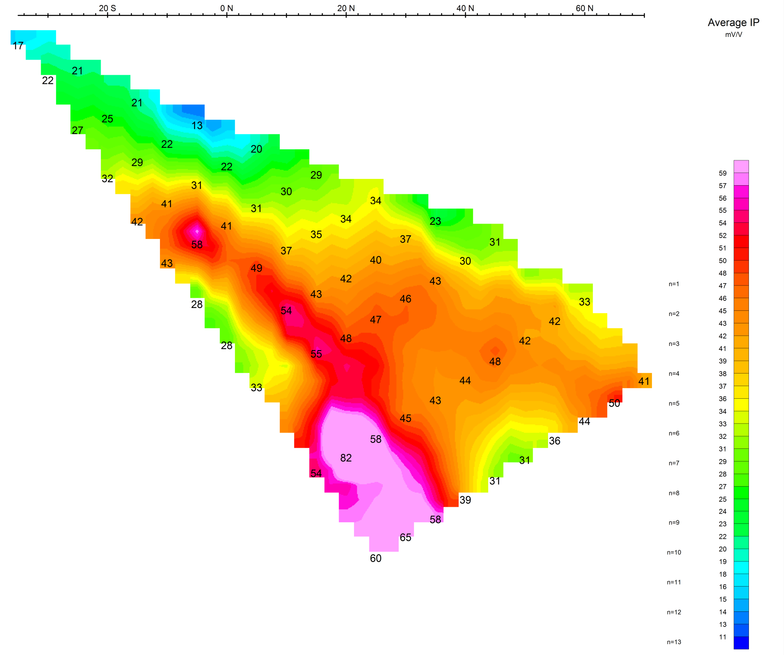
Mining District: Mayo
Date: February 14, 2014

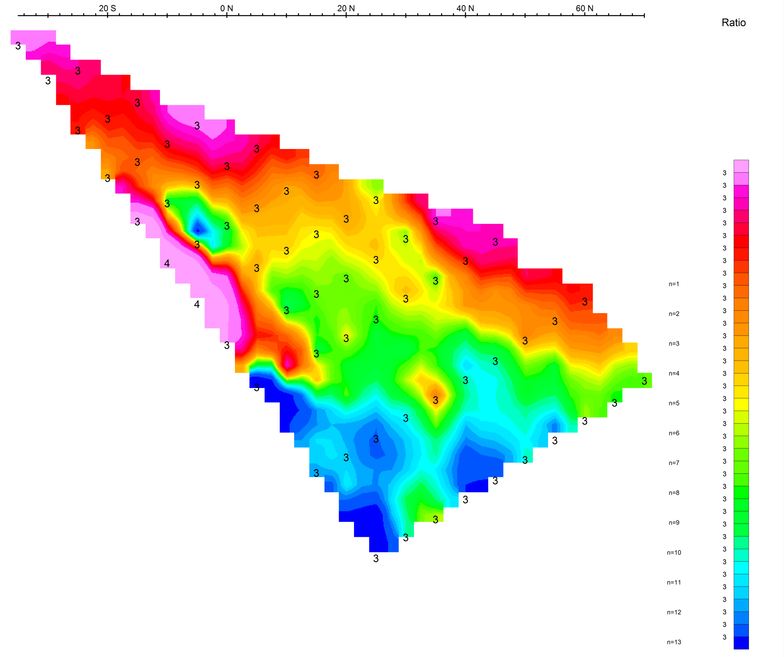
NTS: 105M14
Job: KHE-12553-YT

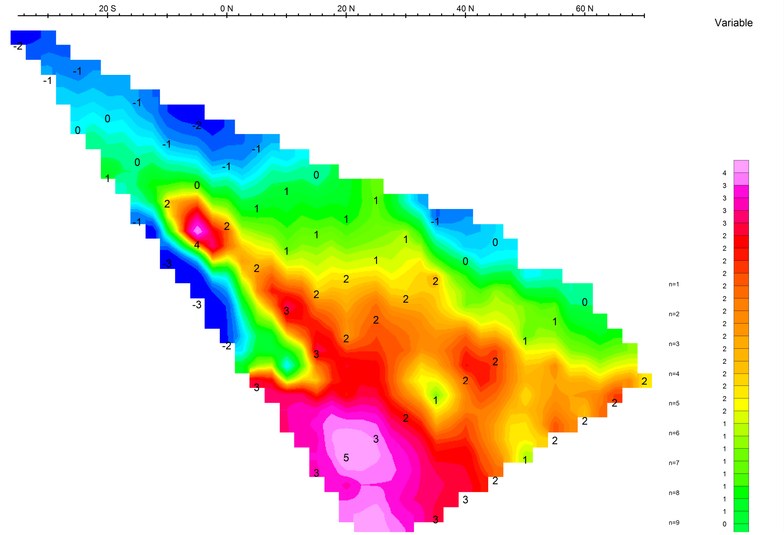
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
160 E







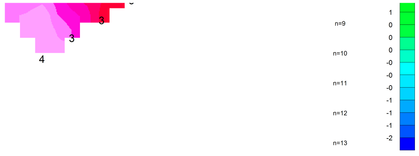


Stationary electrode at 490170E 7090750N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)



(meters)

KENO HILL EXPLORATIONS

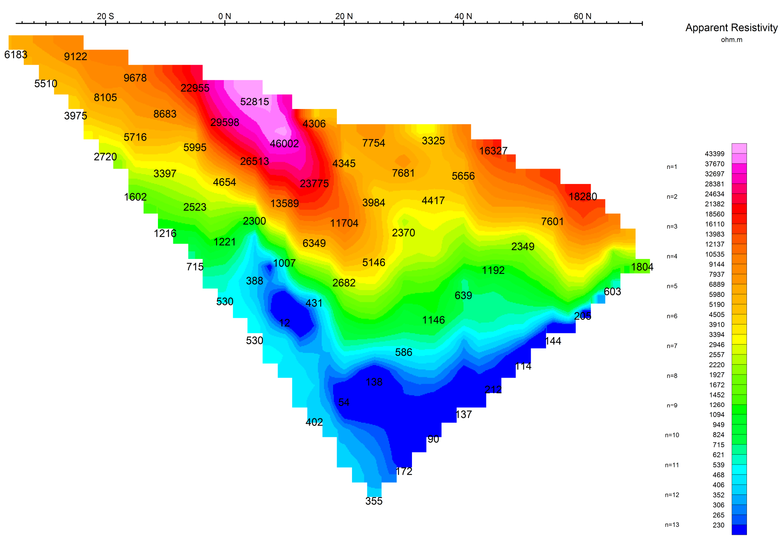
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 160 E

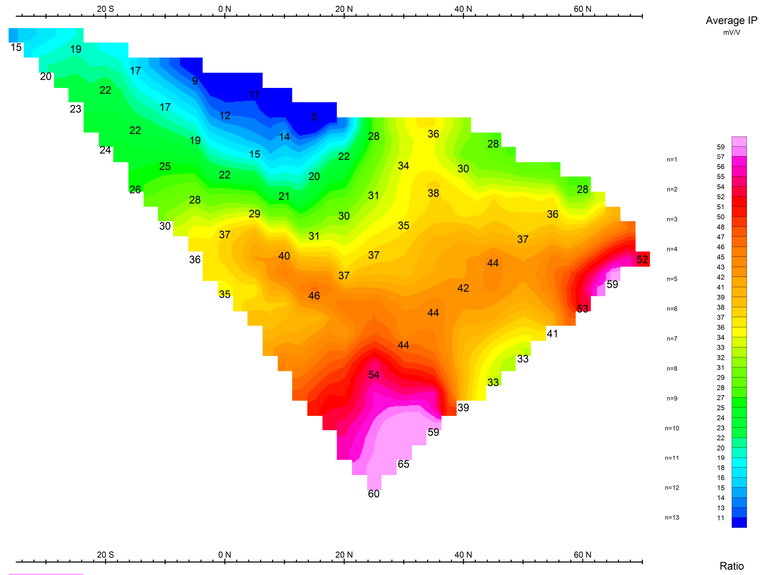
Mining District: Mayo
Date: February 14, 2014

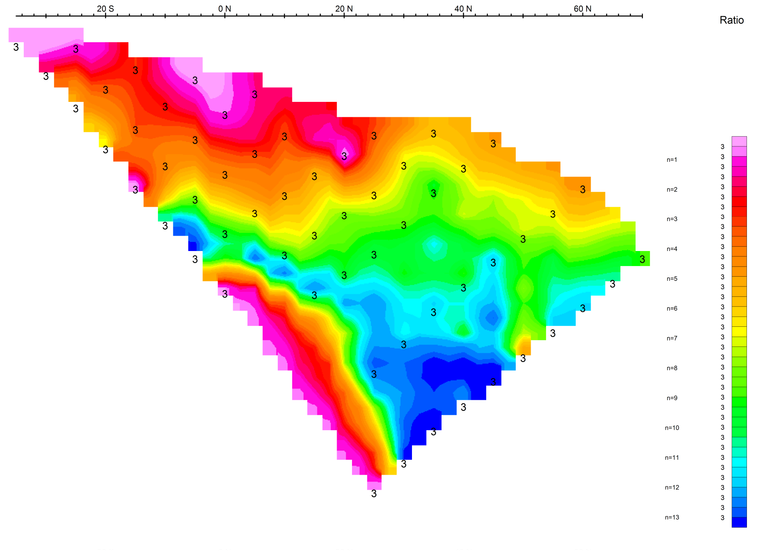
NTS: 105M14
Job: KHE-12553-YT

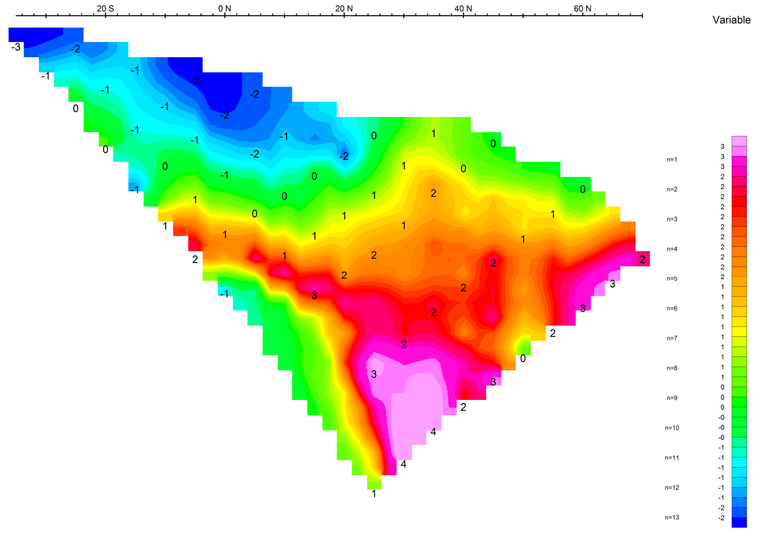
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
140 E









Stationary electrode at 490217E 7090750N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

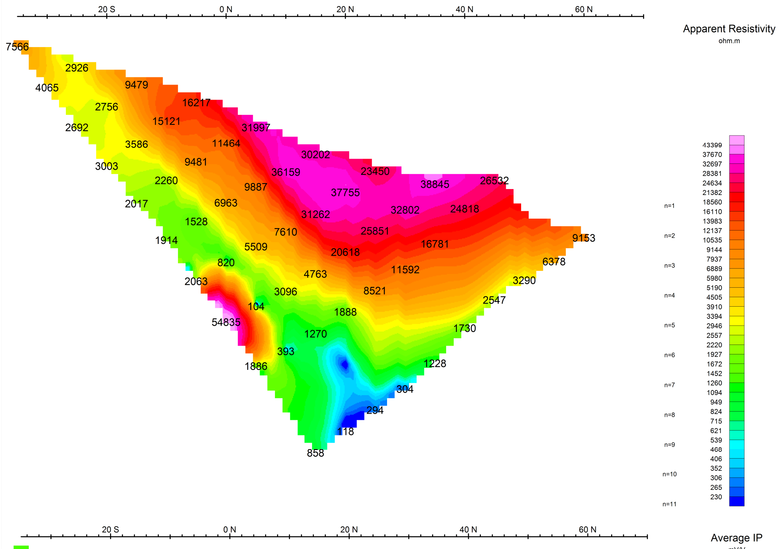
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 140 E

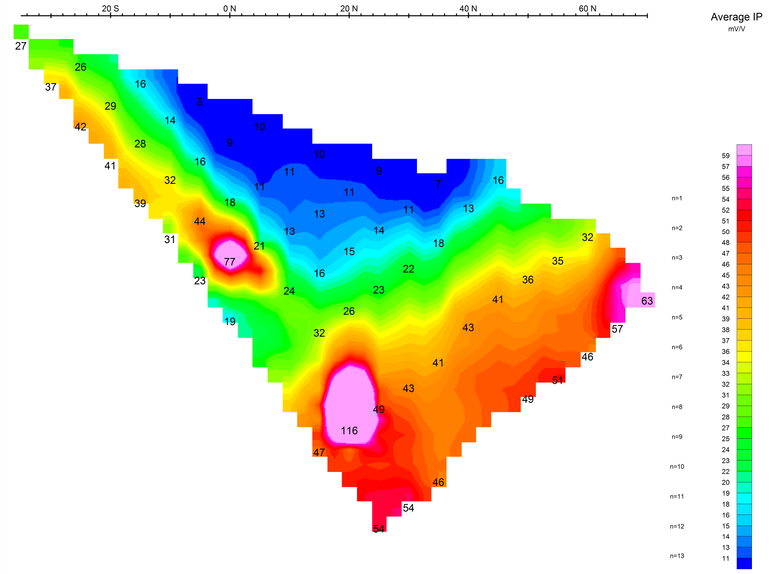
Mining District: Mayo
Date: February 14, 2014

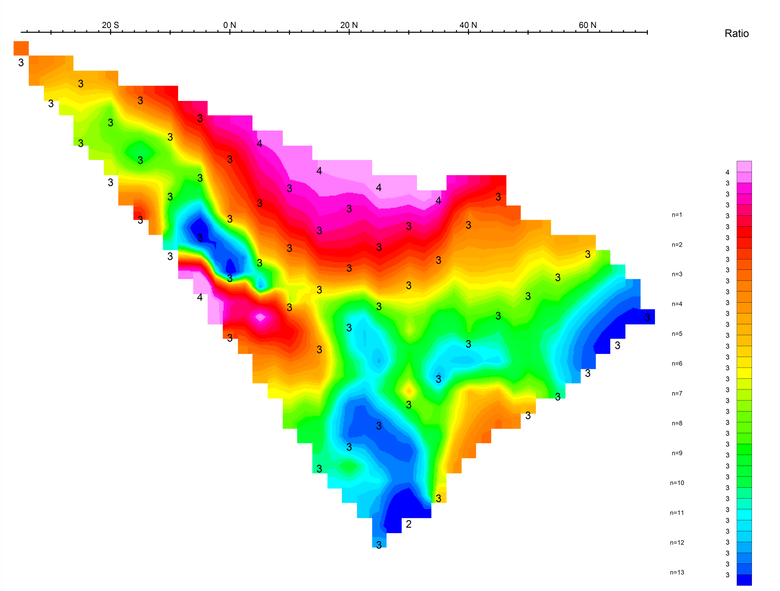
NTS: 105M14
Job: KHE-12553-YT

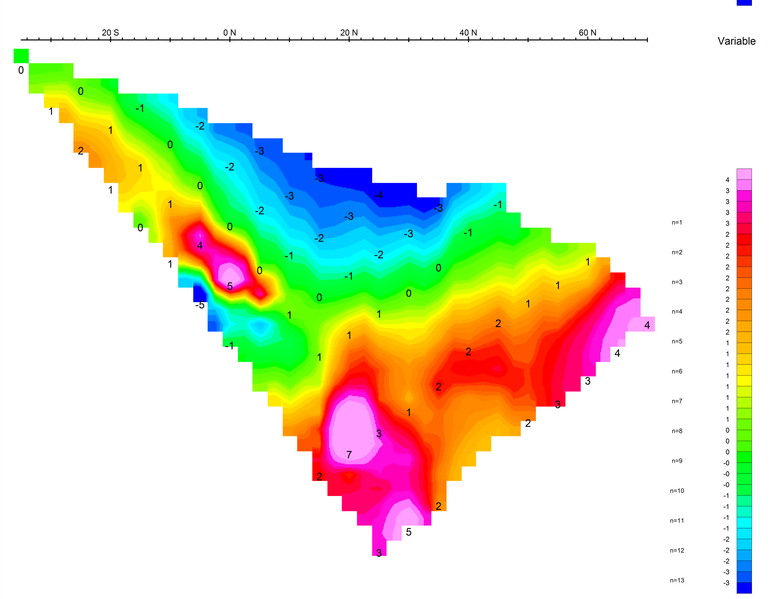
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
105 E









Stationary electrode at 490172E 7090732N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

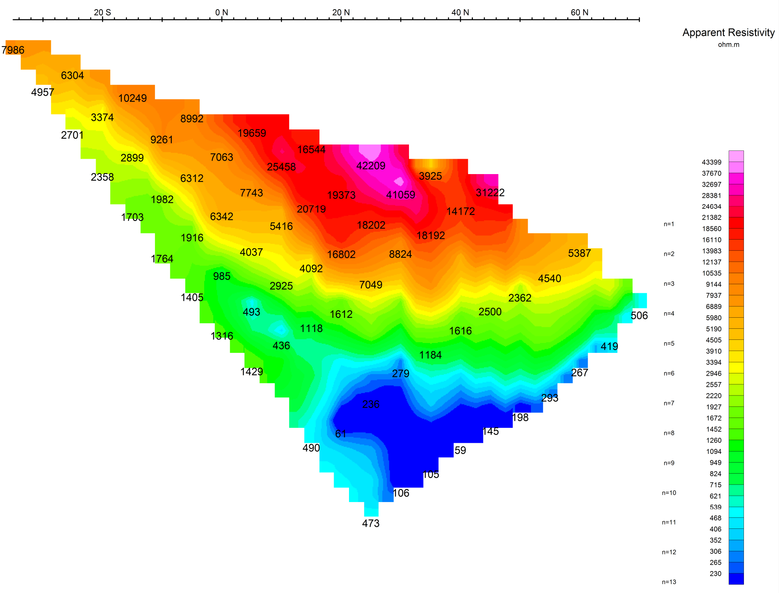
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 105 E

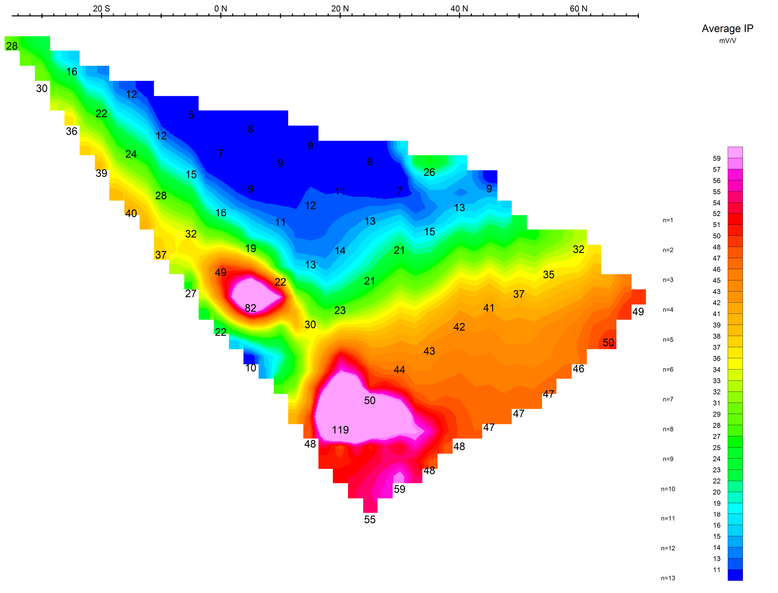
Mining District: Mayo
Date: February 14, 2014

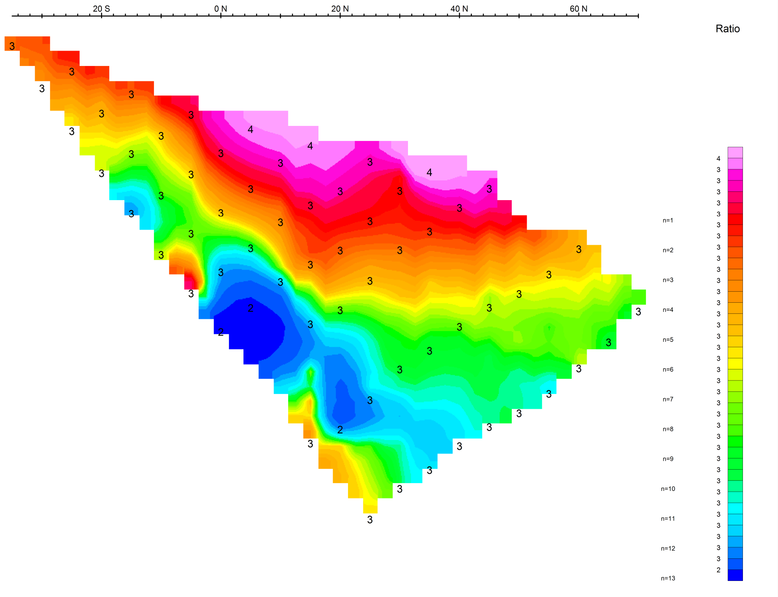
NTS: 105M14
Job: KHE-12553-YT

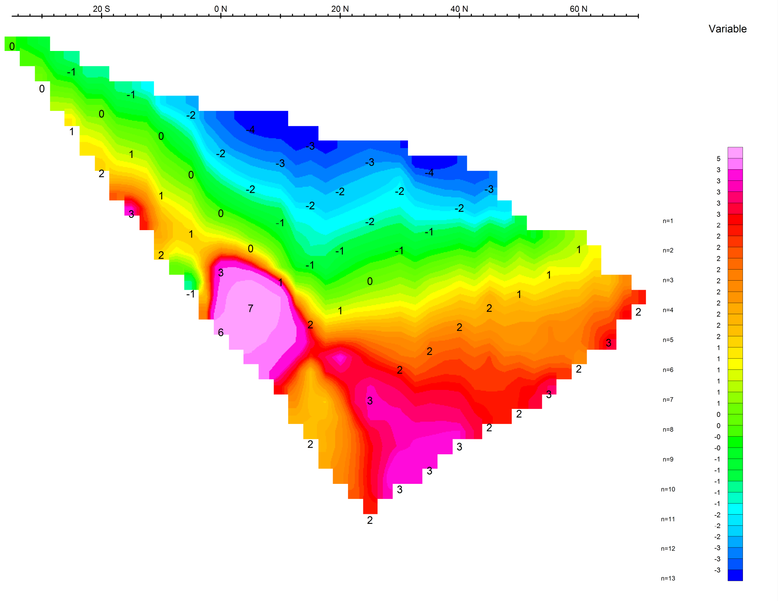
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
95 E









Stationary electrode at 490172E 7090732N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

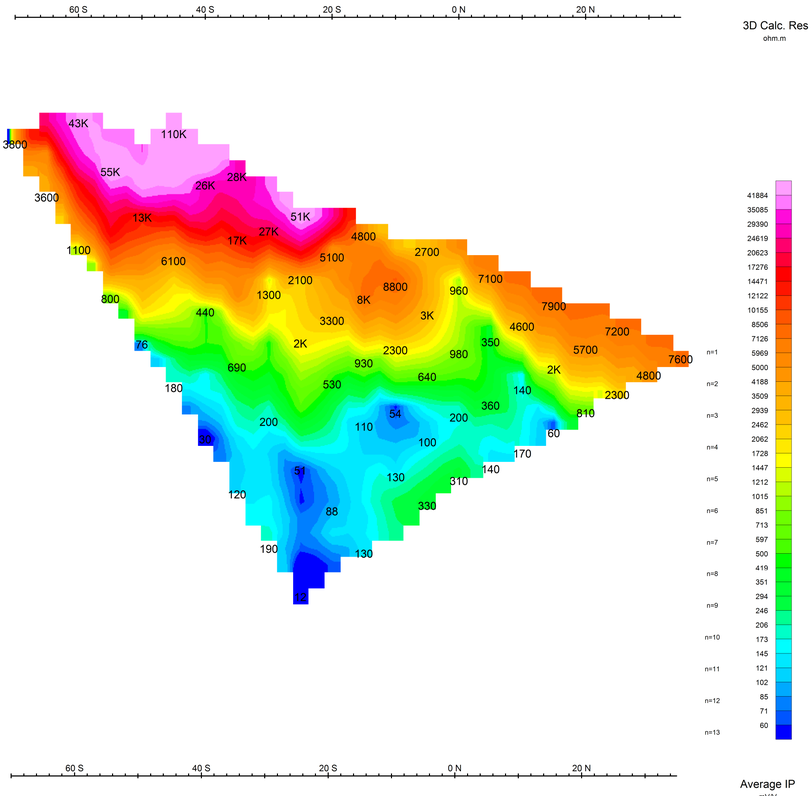
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 95 E

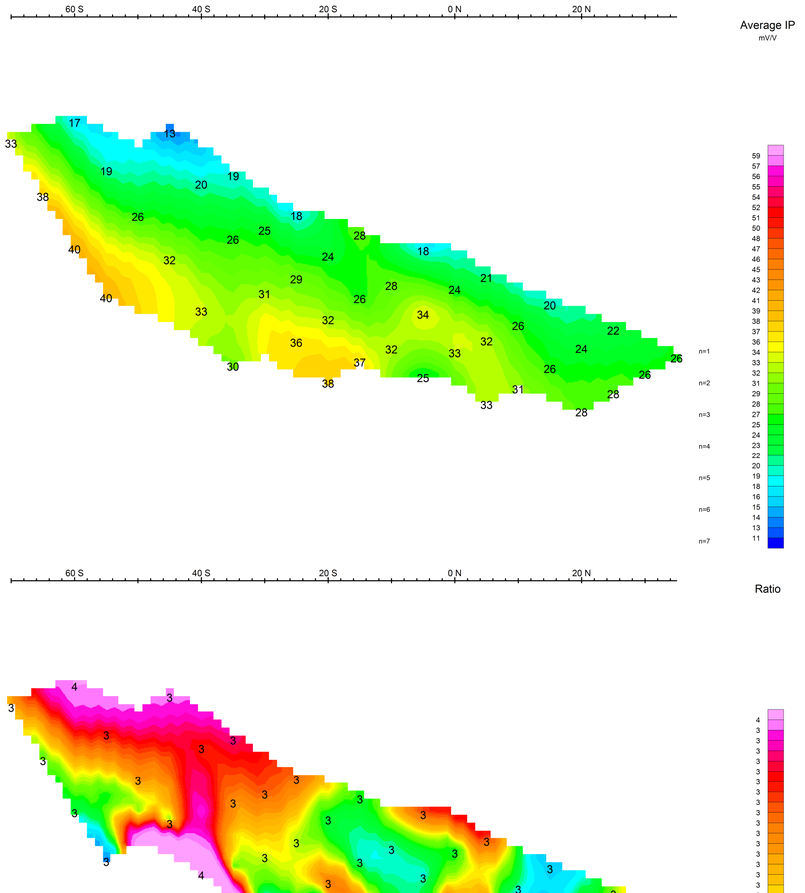
Mining District: Mayo
Date: February 14, 2014

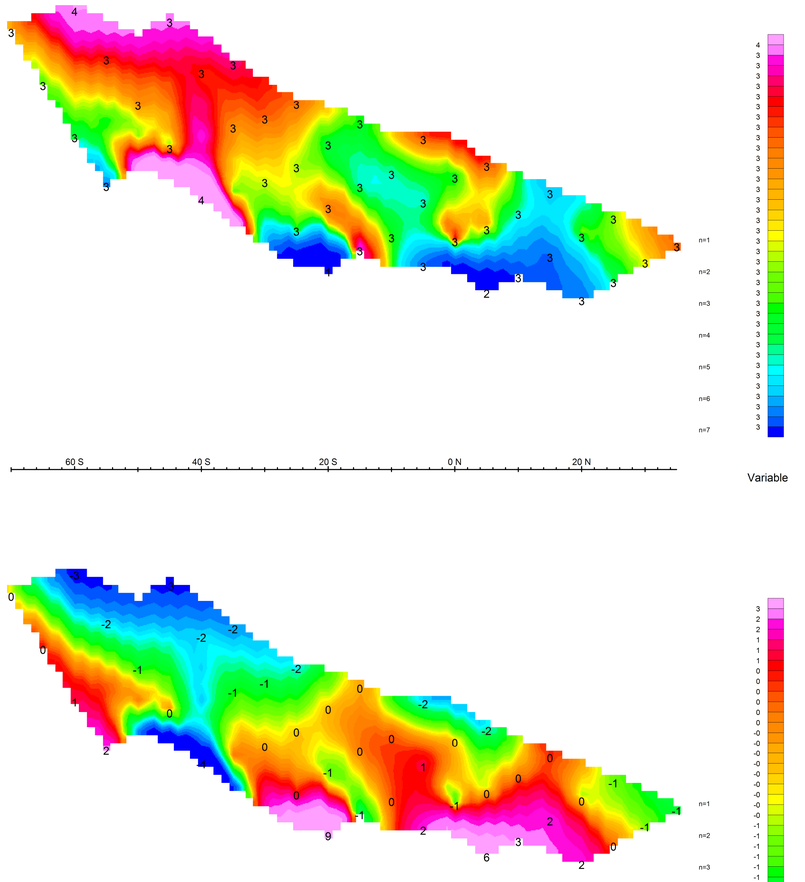
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
220 E







Stationary electrode at 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

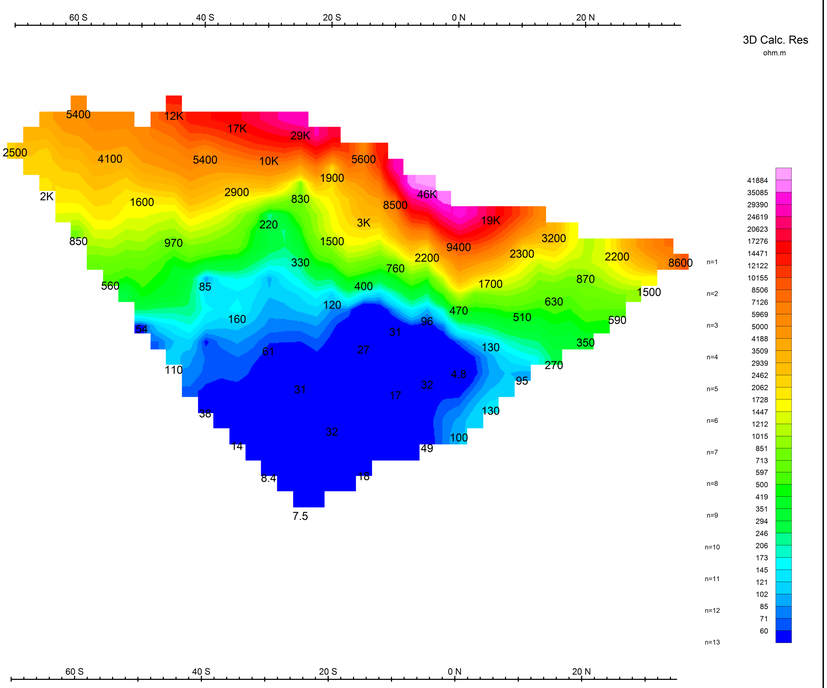
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 220 E

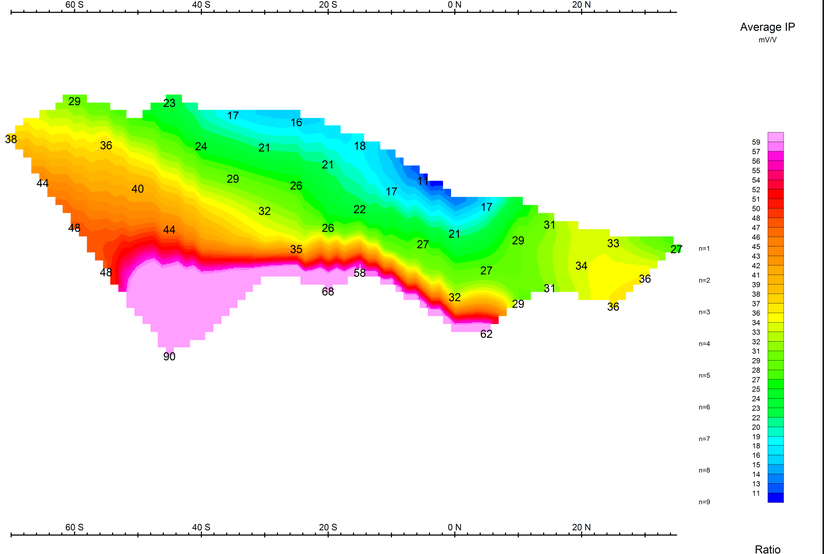
Mining District: Mayo
Date: February 14, 2014

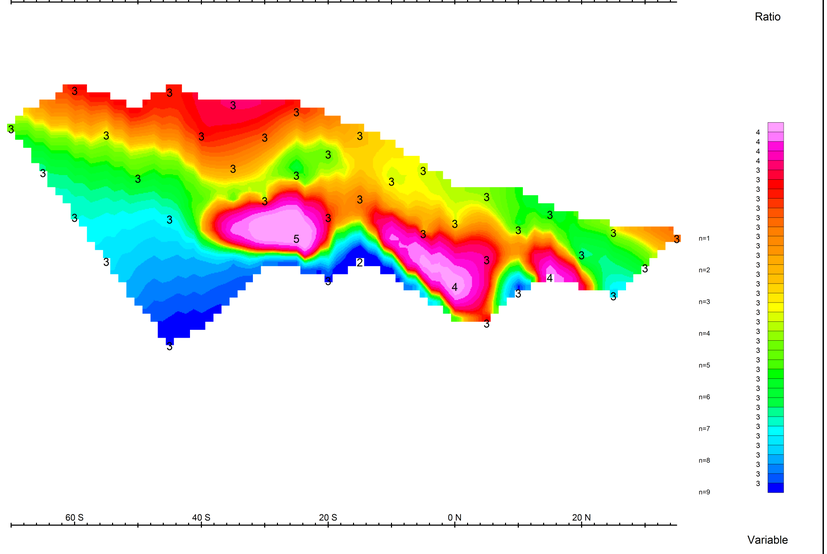
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

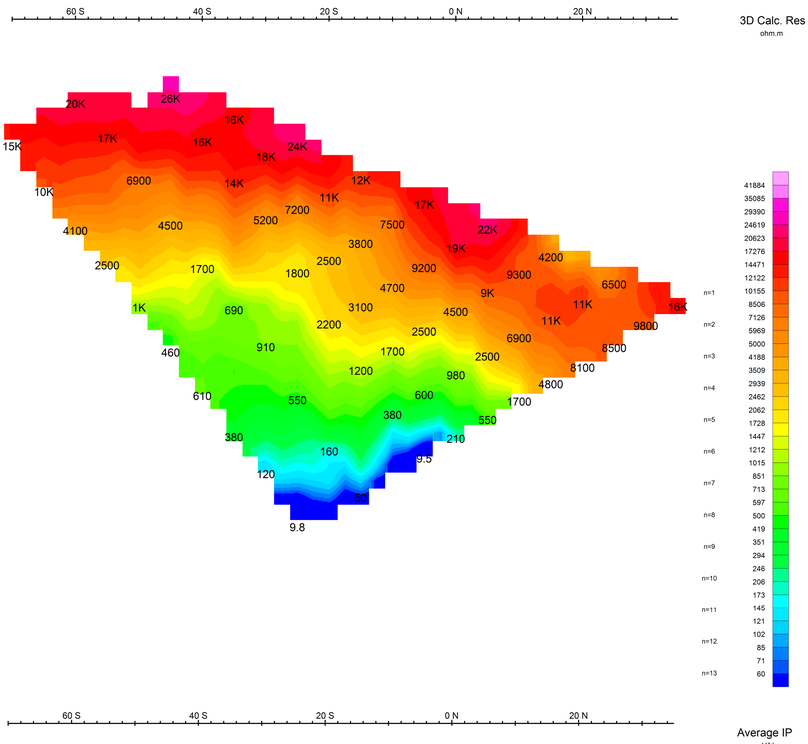
PSEUDOSECTION PLOTS
200 E

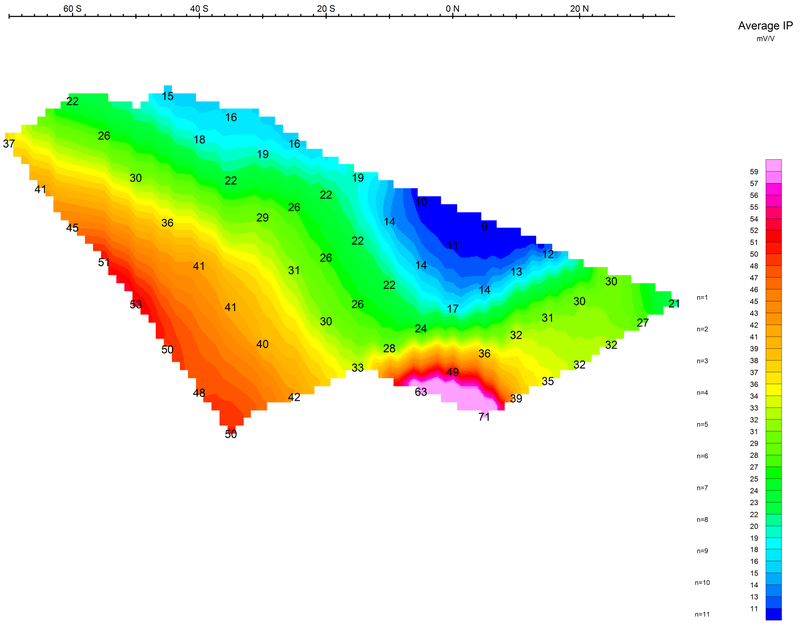


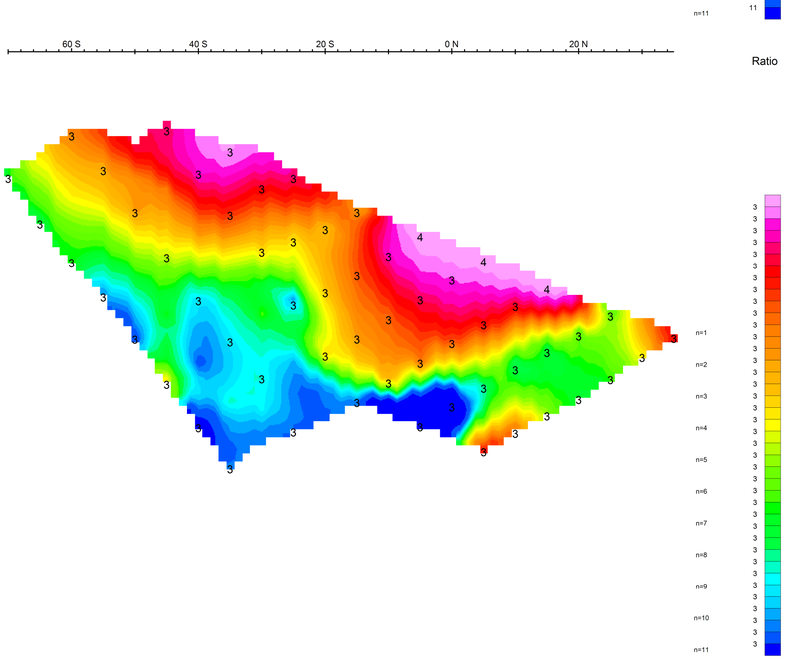


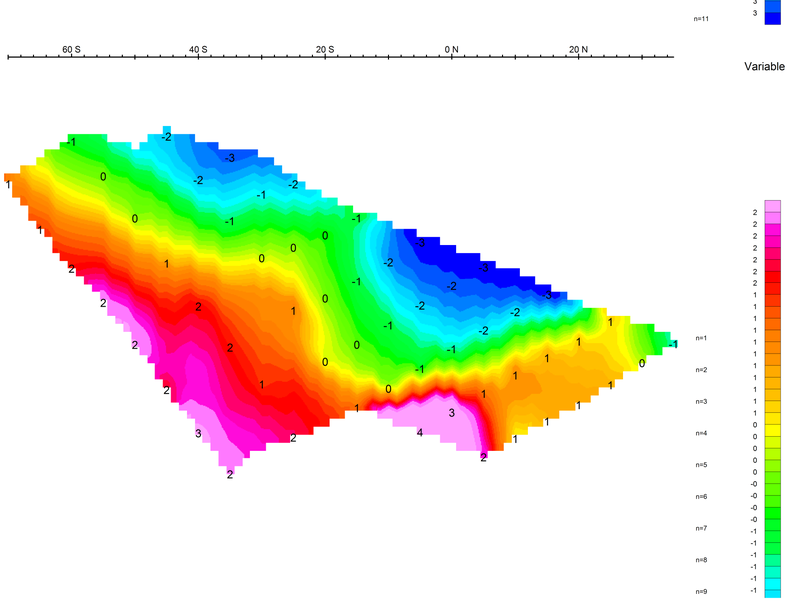

60 S
40 S
20 S
0 N
20 N
Ratio
4
4
4
4
4
3
3
3

PSEUDOSECTION PLOTS
160 E









Stationary electrode at 490217E 7090750N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Xline_2014_Final.gdb

Dates Surveyed : July 12-13, 2012

Scale 1:500

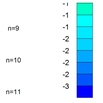
5 0 5 10 15 20 25 30

(meters)

KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY

NABOB GRID



KENO HILL EXPLORATIONS

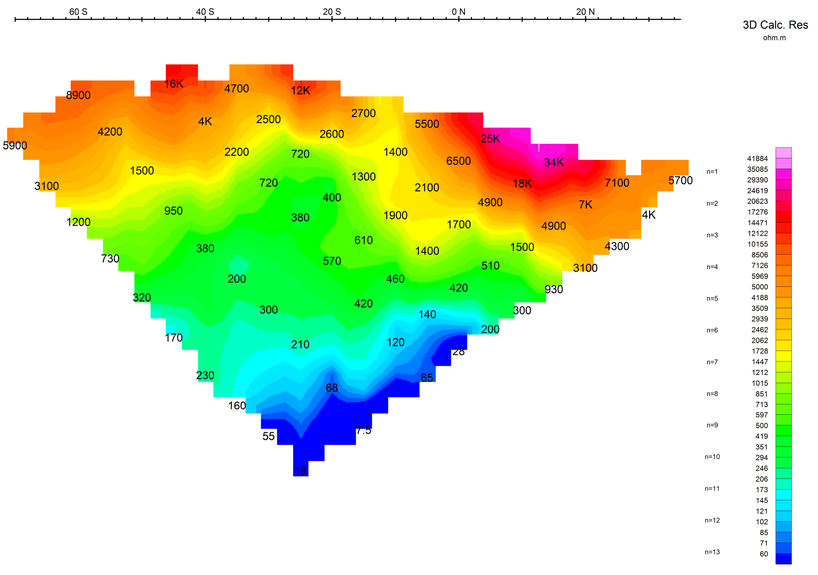
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 160 E

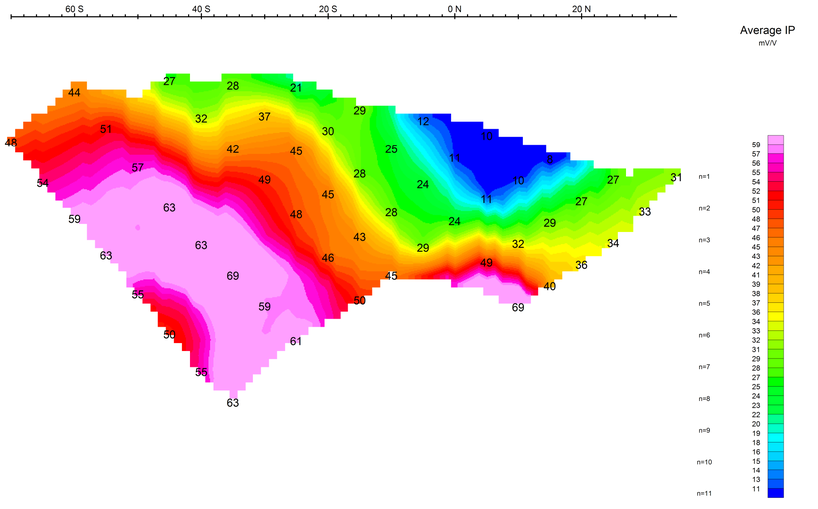
Mining District: Mayo
Date: February 14, 2014

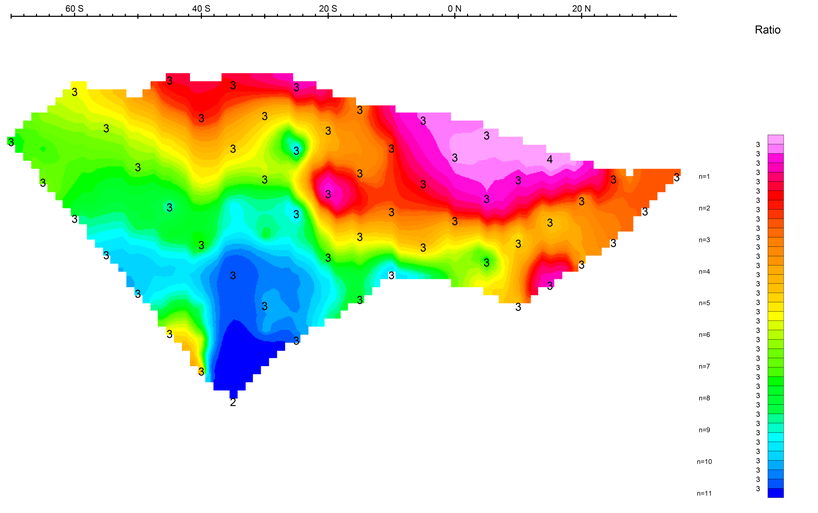
NTS: 105M14
Job: KHE-12553-YT

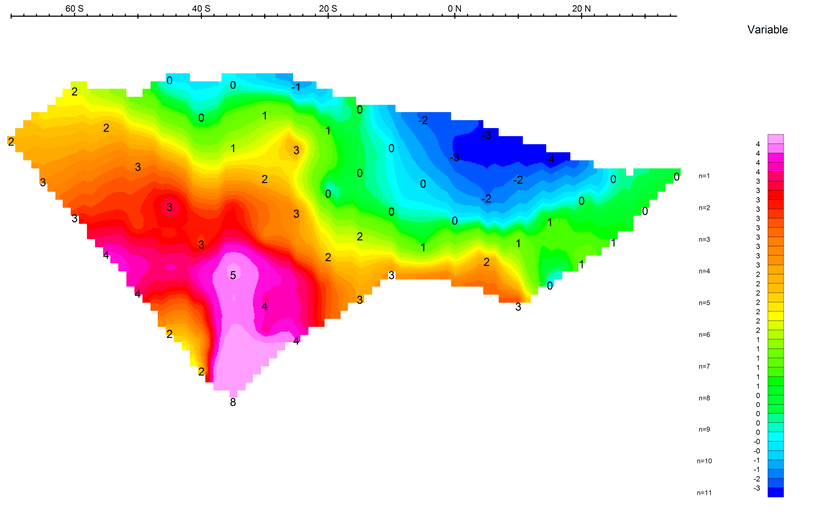
AURORA GEOSCIENCES LTD.

PSEUDOSECTION PLOTS
140 E









Stationary electrode at 490217E 7090750N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

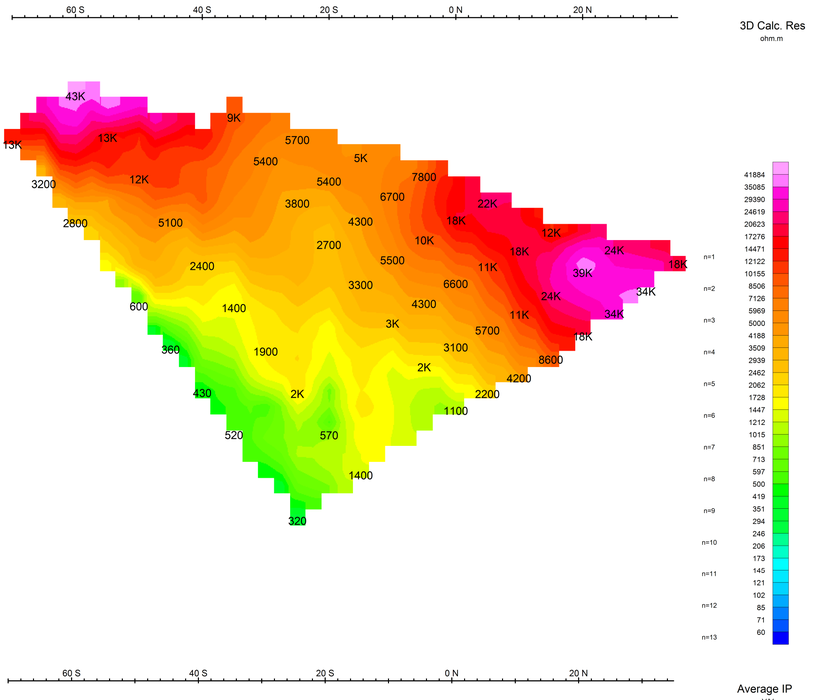
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 140 E

Mining District: Mayo
Date: February 14, 2014

NTS: 105M14
Job: KHE-12553-YT

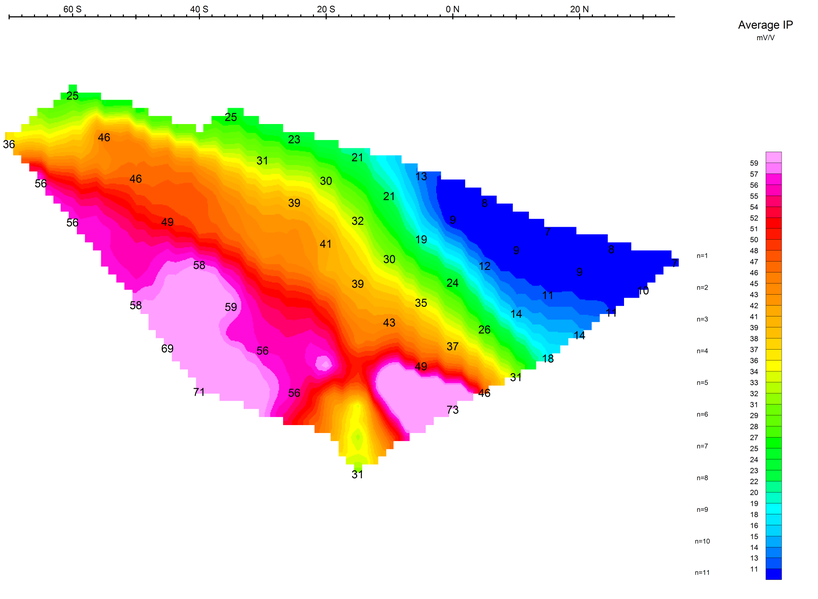
AURORA GEOSCIENCES LTD.

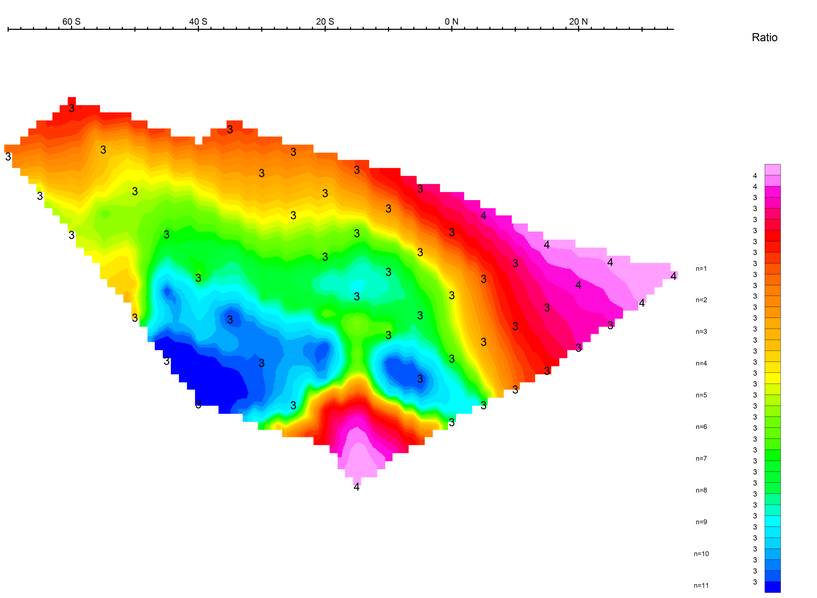
PSEUDOSECTION PLOTS
105 E



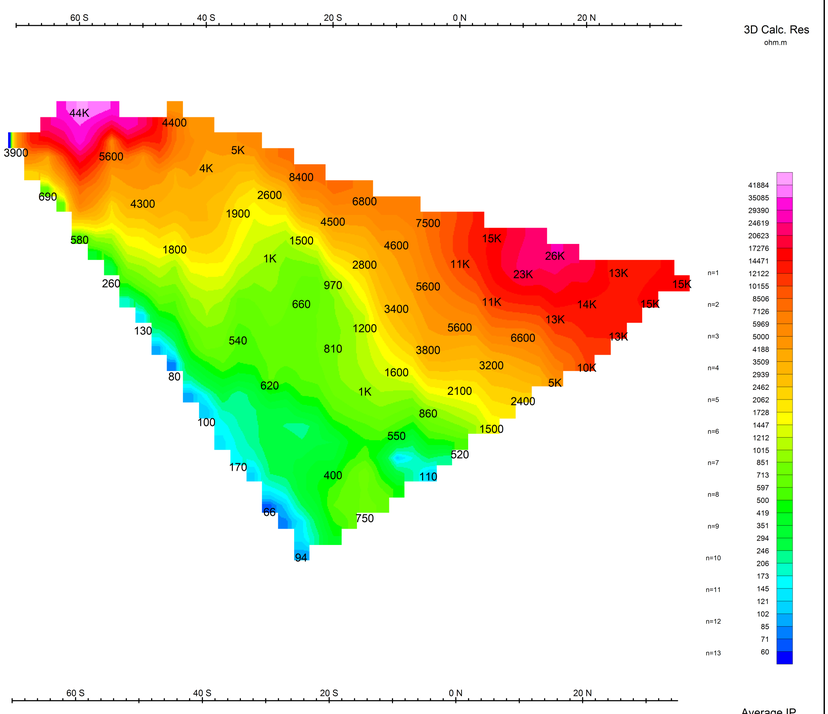
Stationary electrode at 490172E 7090732N (moving NW).

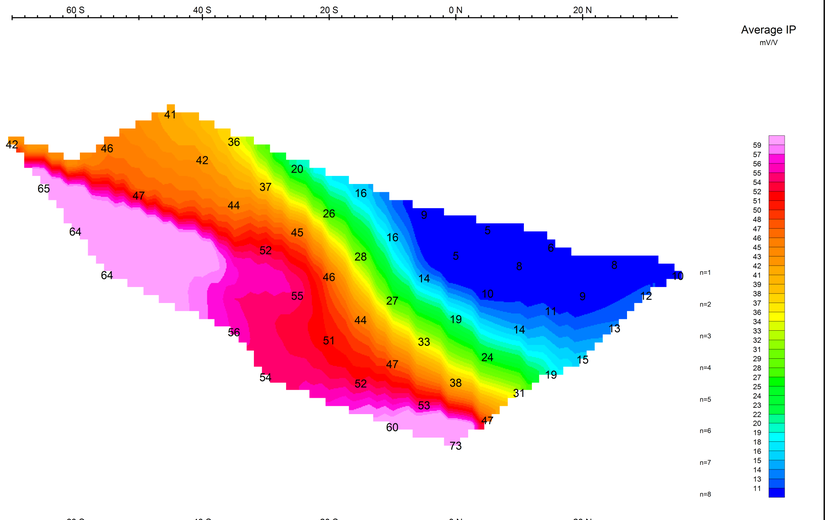
Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

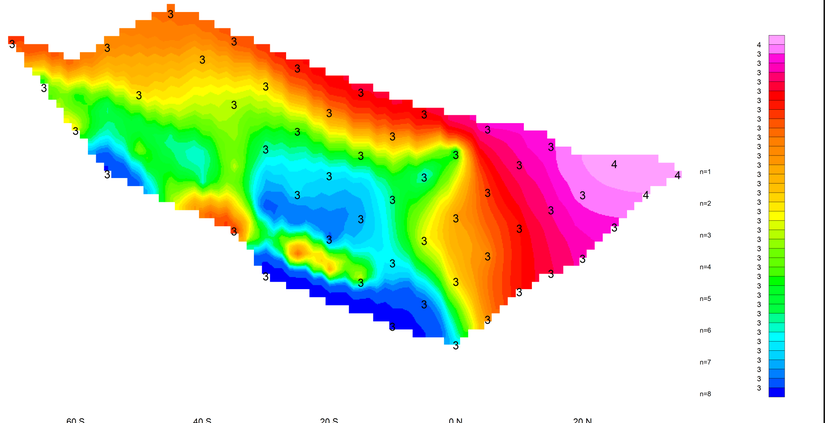


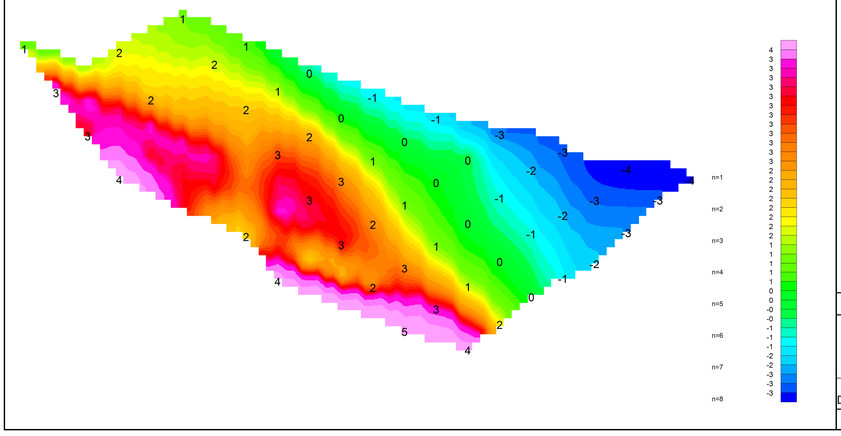

60 S
40 S
20 S
0 N
20 N
Ratio
3
3
3

PSEUDOSECTION PLOTS
95 E









Stationary electrode at 490172E 7090732N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Xline_2014_Final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:500

5 0 5 10 15 20 25 30
(meters)

KENO HILL EXPLORATIONS

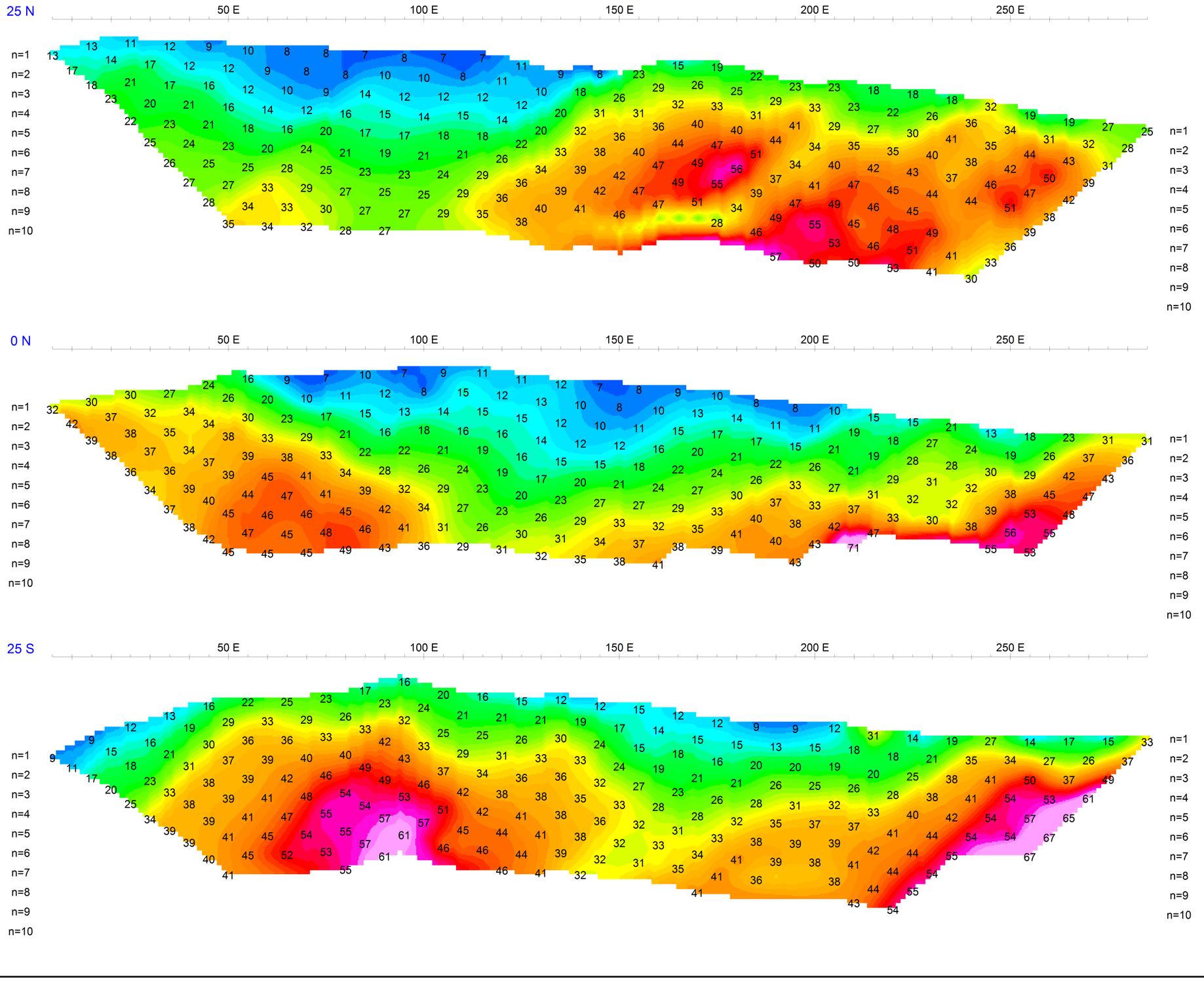
INDUCED POLARIZATION SURVEY
NABOB GRID
PSEUDOSECTION PLOTS 95 E

Mining District: Mayo
Date: February 14, 2014

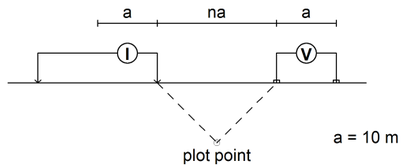
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS
Baselines



Modified Pole-Dipole Array

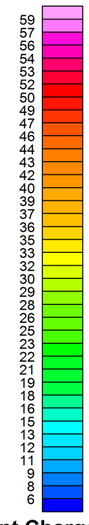


Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



Apparent Chargeability
mV/V

Scale 1:1000

10 0 10 20 30 40 50 60
(meters)

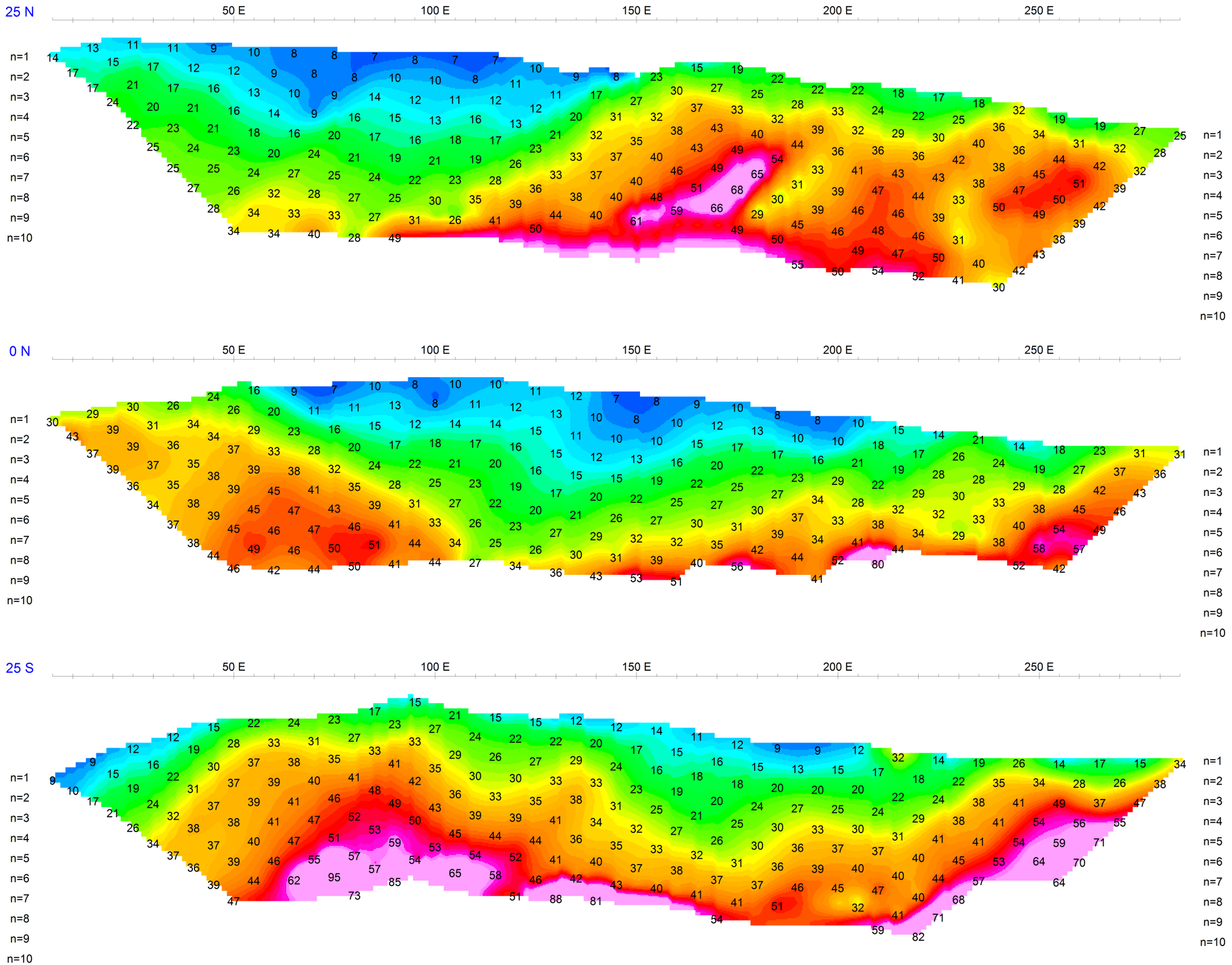
KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Predicted Apparent Chargeability

Mining District: Mayo
Date: July 16, 2012

NTS: 105M14
Job: KHE-12553-YT

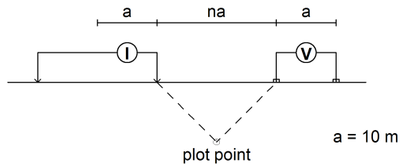
AURORA GEOSCIENCES LTD.



STACKED SECTION PLOTS

Baselines

Modified Pole-Dipole Array

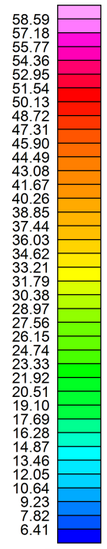


Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



Apparent Chargeability
mV/V

Scale 1:1000

10 0 10 20 30 40 50 60

(meters)

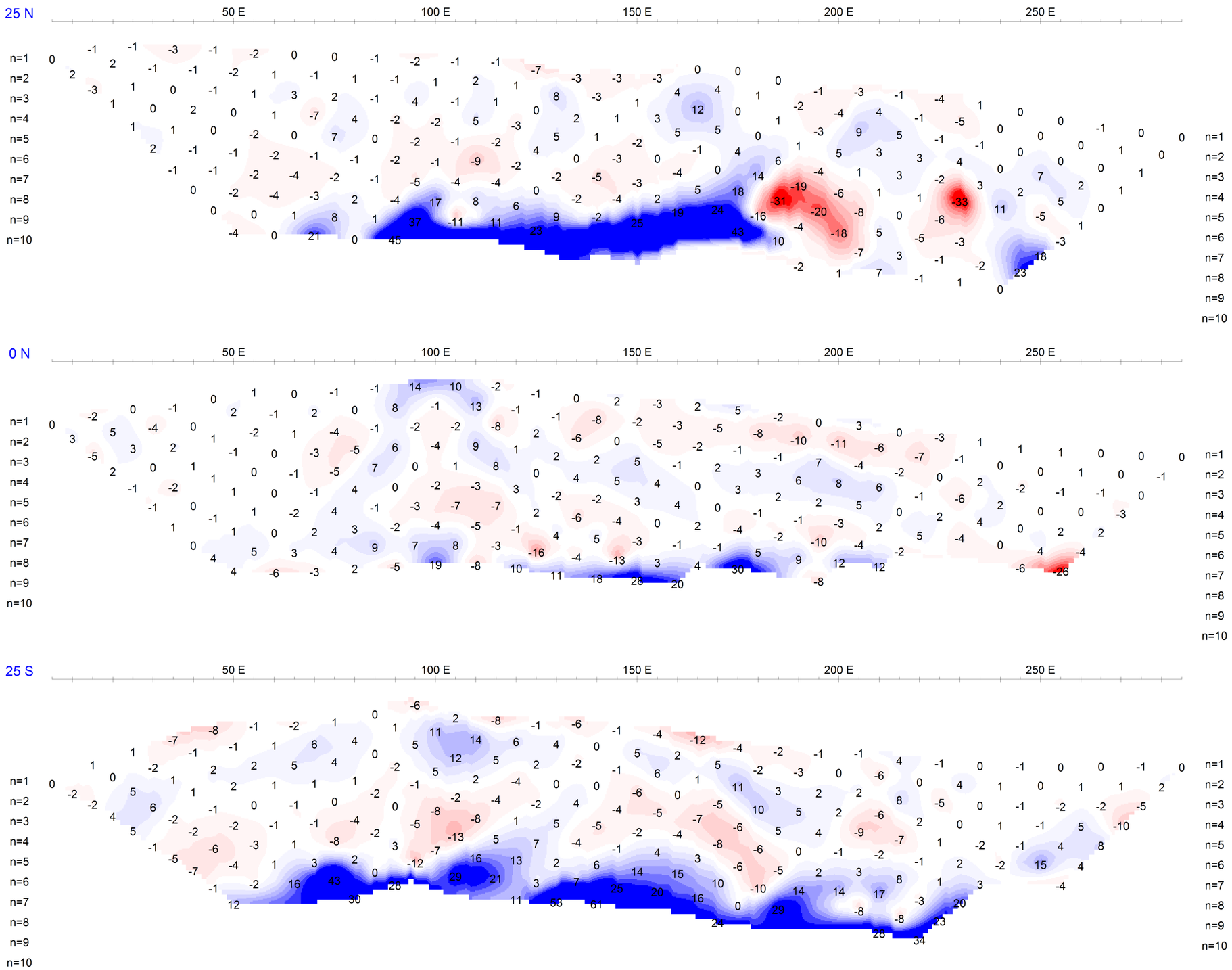
KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Observed Apparent Chargeability

Mining District: Mayo
Date: July 16, 2012

NTS: 105M14
Job: KHE-12553-YT

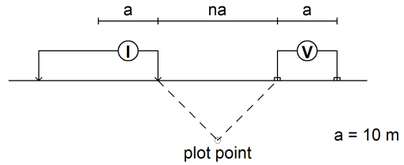
AURORA GEOSCIENCES LTD.



STACKED SECTION PLOTS

Baselines

Modified Pole-Dipole Array

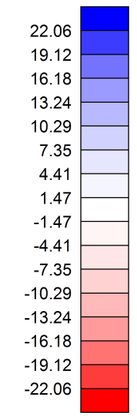


Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



((Obs-Pred)/Obs)*100
percent

Scale 1:1000

10 0 10 20 30 40 50 60

(meters)

KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY

Nabob Grid - Stacked Section Plot

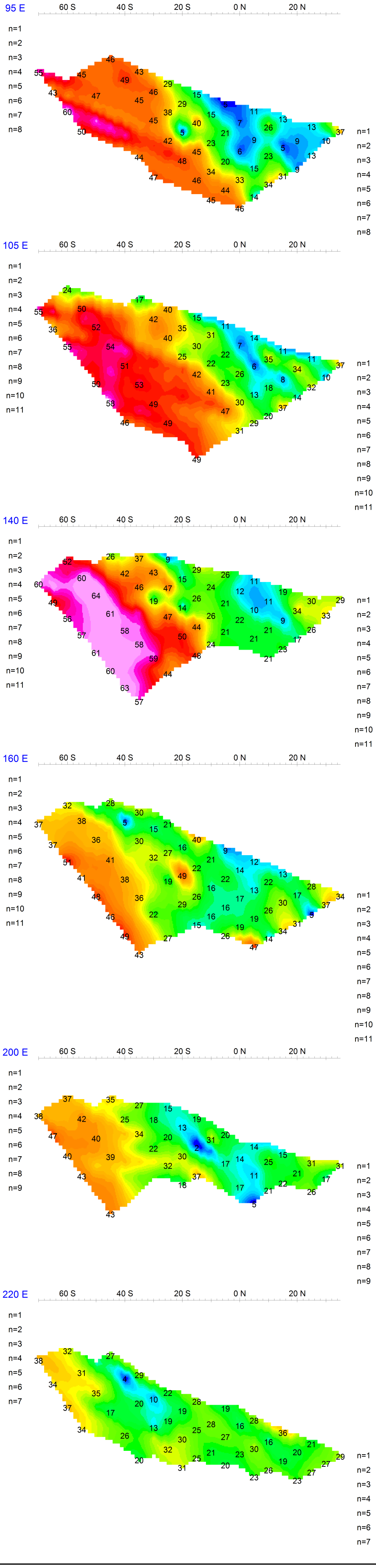
% difference between pred. and obs. models

Mining District: Mayo
Date: July 16, 2012

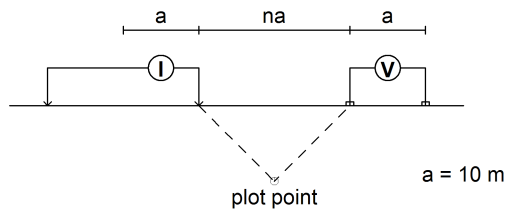
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS
Crosslines

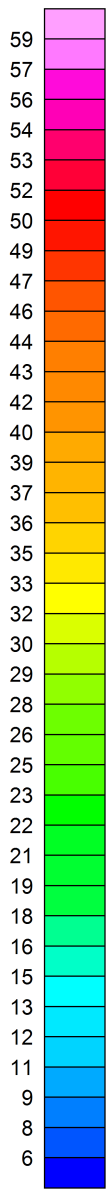


Modified Pole-Dipole Array



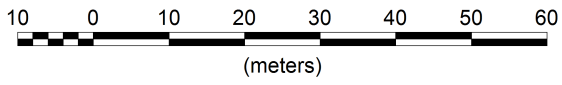
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Base_epldp_final.gdb
Dates Surveyed : July 12-13, 2012



Apparent Chargeability
mV/V

Scale 1:1000



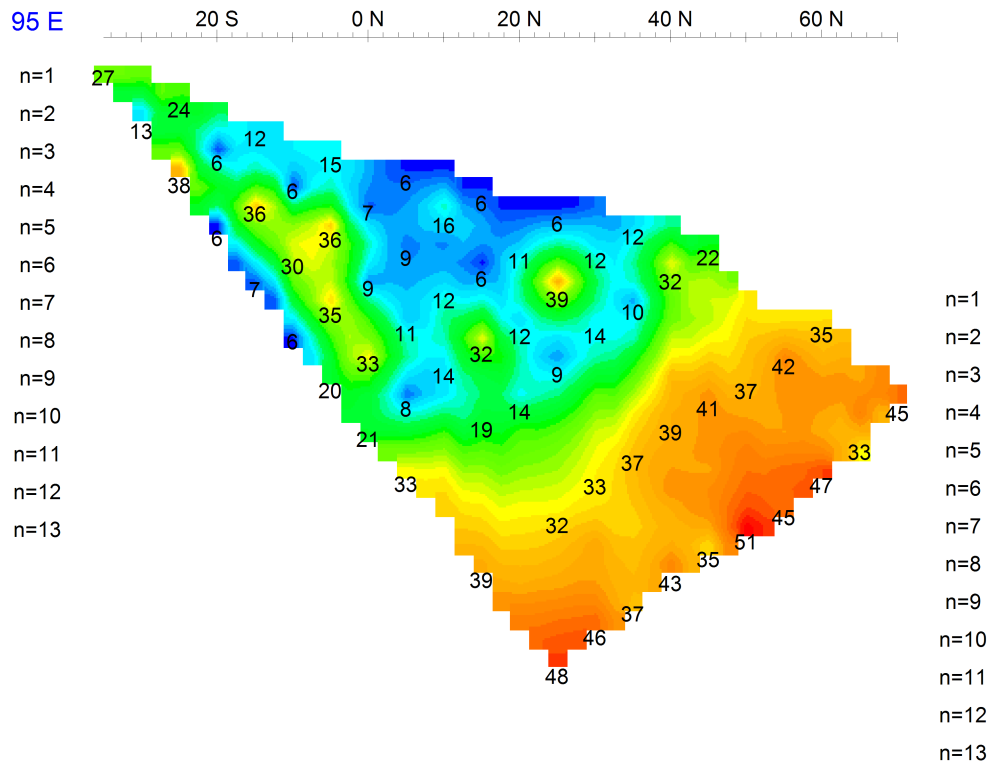
KENO HILL EXPLORATIONS

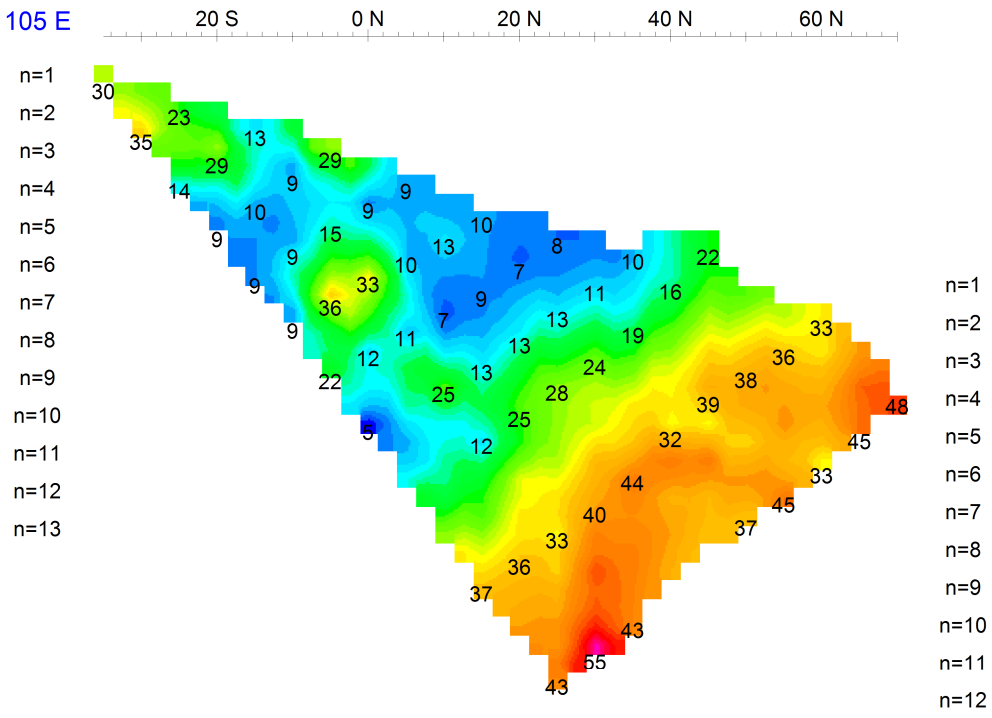
INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Predicted Apparent Chargeability

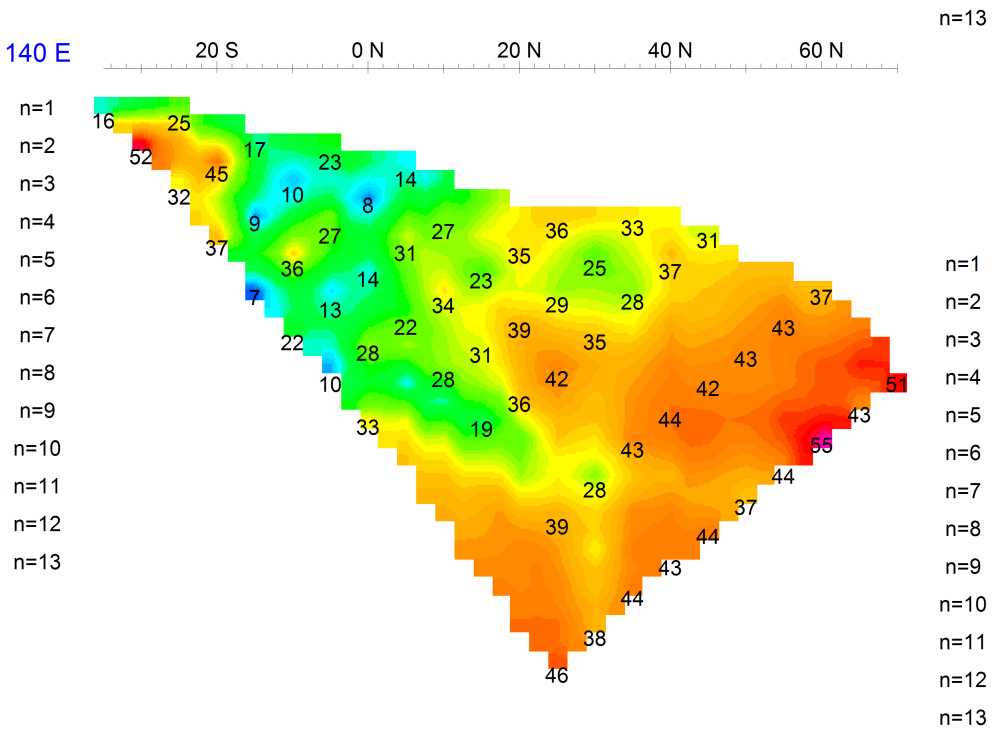
Mining District: Mayo
Date: July 16, 2012
NTS: 105M14
Job: KHE-12553-YT

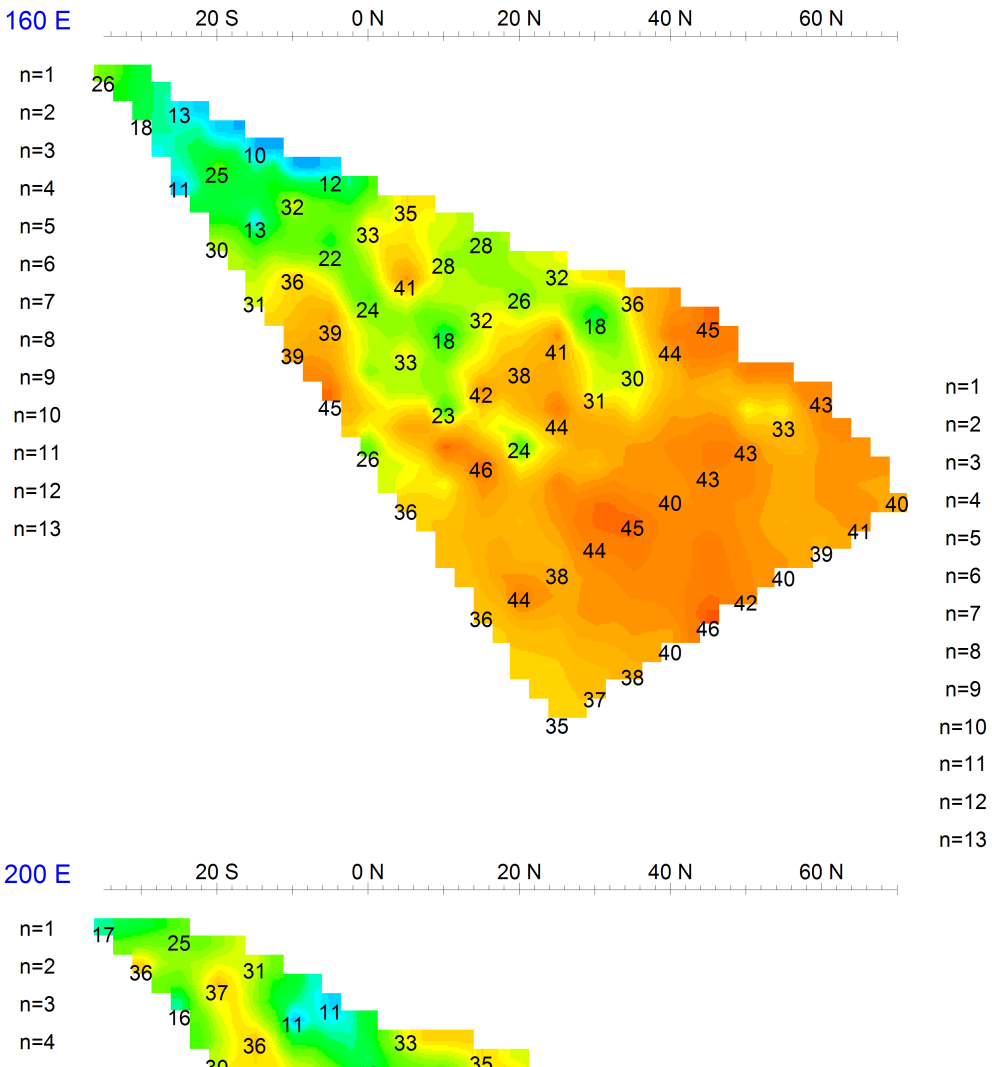
AURORA GEOSCIENCES LTD.

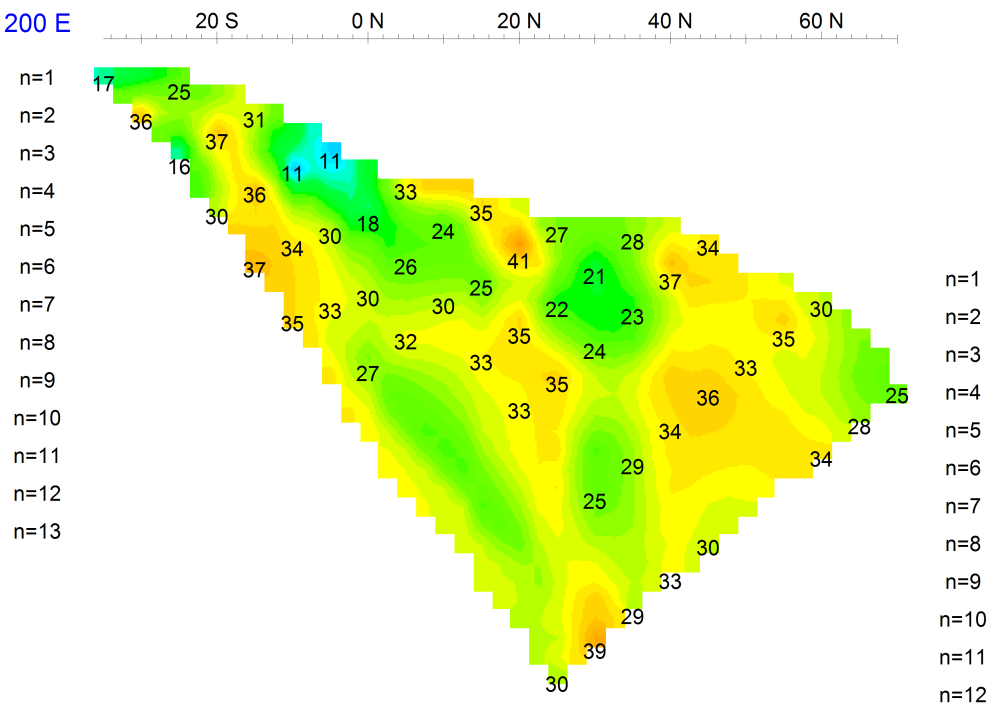
STACKED SECTION PLOTS
TX North of RX

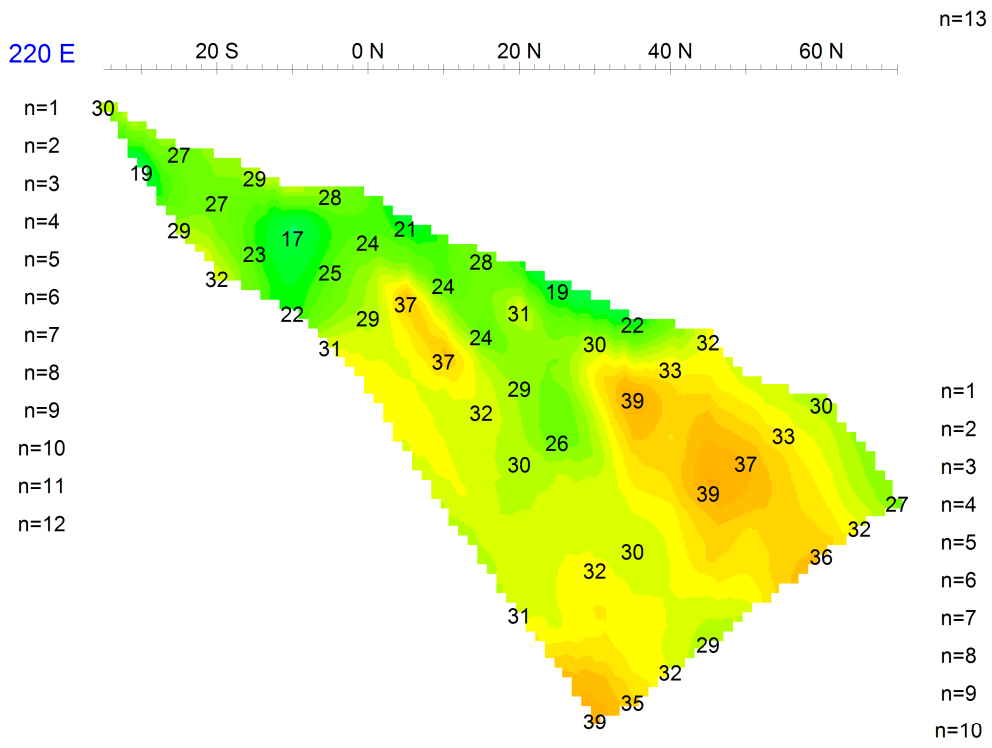




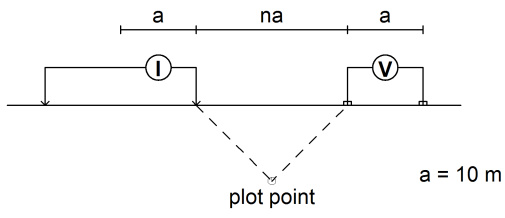








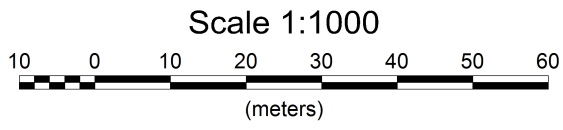
Modified Pole-Dipole Array



Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Base_epldp_final.gdb
Dates Surveyed : July 12-13, 2012

Scale 1:1000



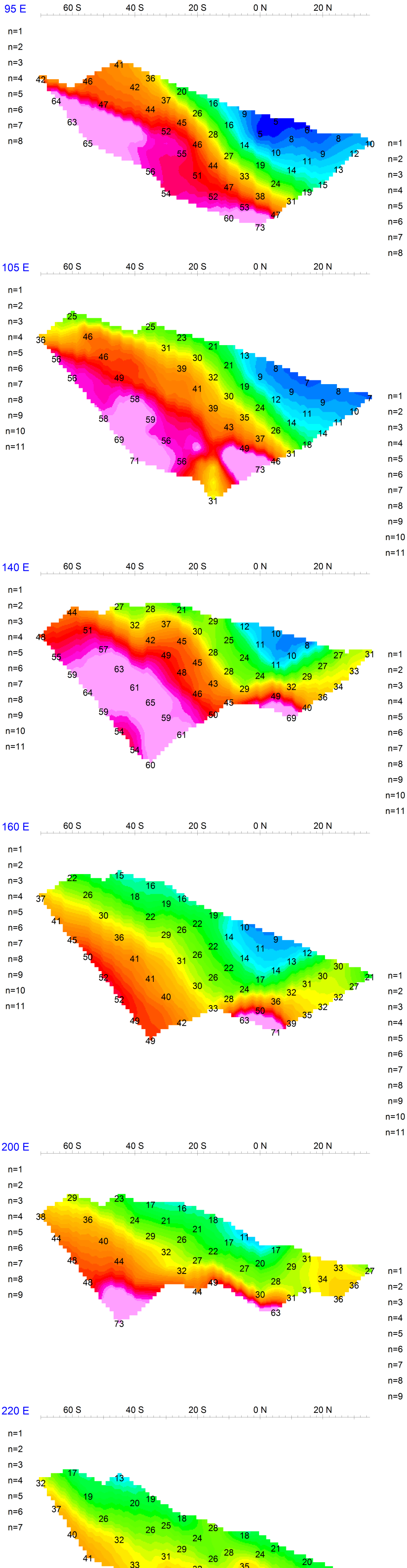
KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Predicted Apparent Chargeability

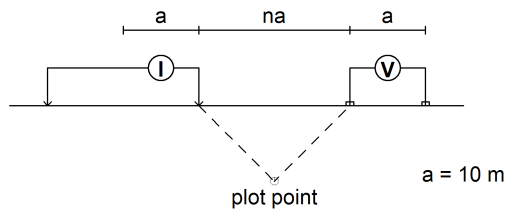
Mining District: Mayo
Date: July 16, 2012
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS
Crosslines



Modified Pole-Dipole Array



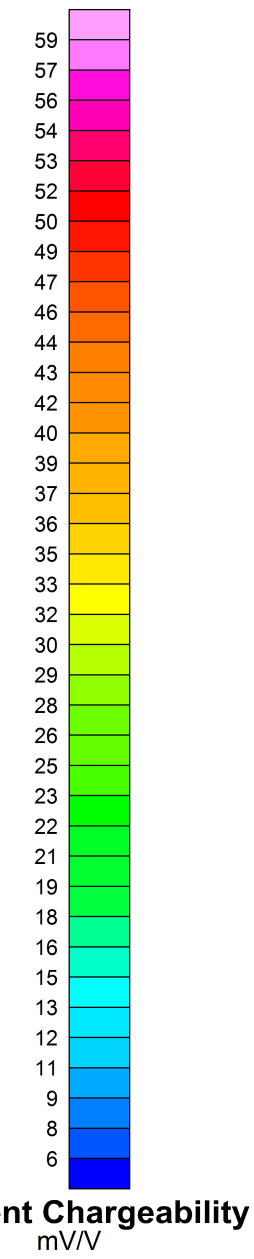
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



Apparent Chargeability
mV/V

Scale 1:1000

10 0 10 20 30 40 50 60
(meters)

KENO HILL EXPLORATIONS

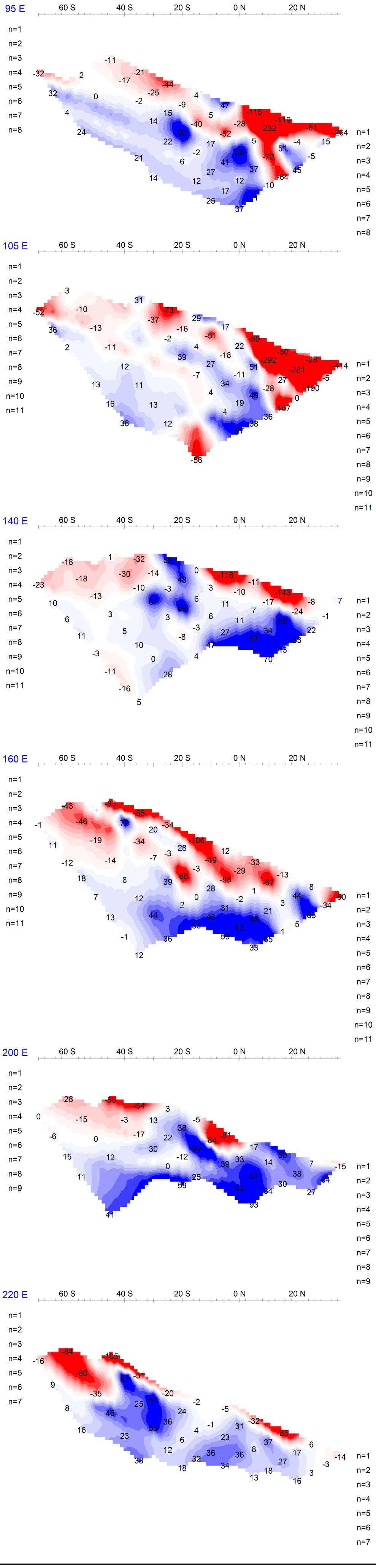
INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Observed Apparent Chargeability

Mining District: Mayo
Date: July 16, 2012

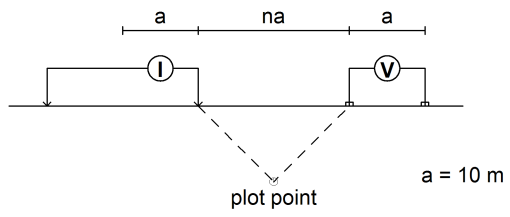
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS
Crosslines



Modified Pole-Dipole Array



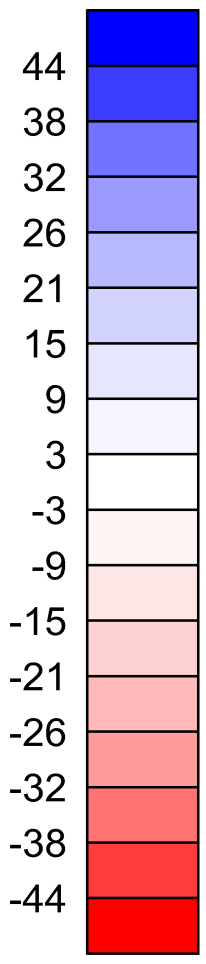
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



(Obs-Pred)/Obs*100
mV/V

Scale 1:1000

KENO HILL EXPLORATIONS

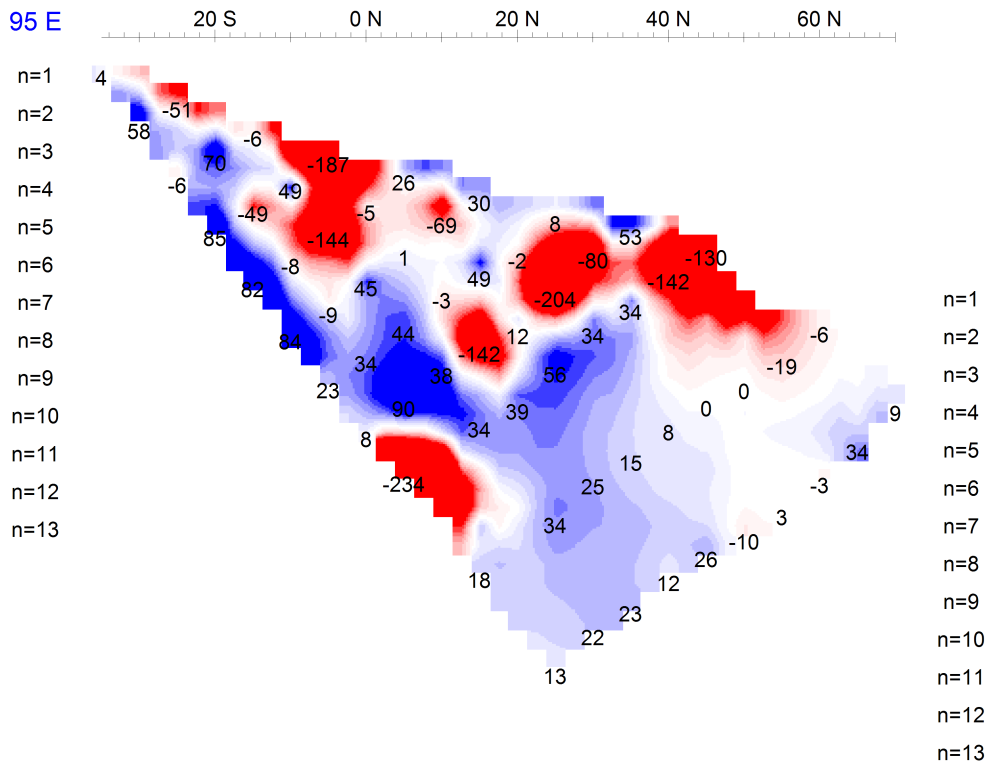
INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Difference - Pred vs Obs

Mining District: Mayo
Date: July 16, 2012

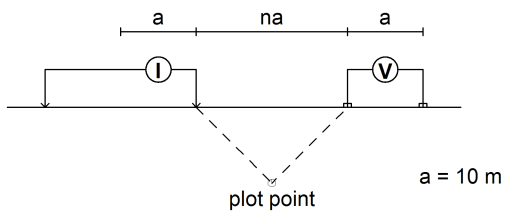
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS
Crosslines - TX North of RX

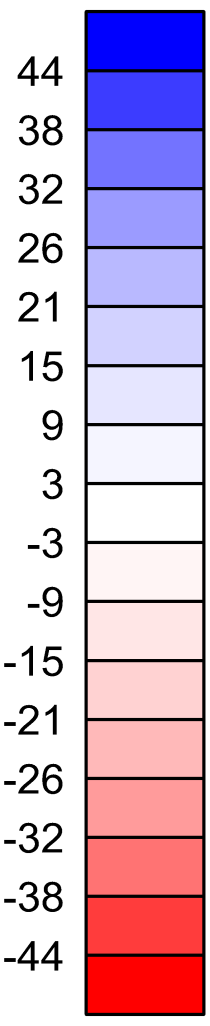


Modified Pole-Dipole Array



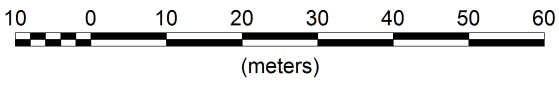
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Base_epldp_final.gdb
Dates Surveyed : July 12-13, 2012



(Obs-Pred)/Obs*100
percent

Scale 1:1000



KENO HILL EXPLORATIONS

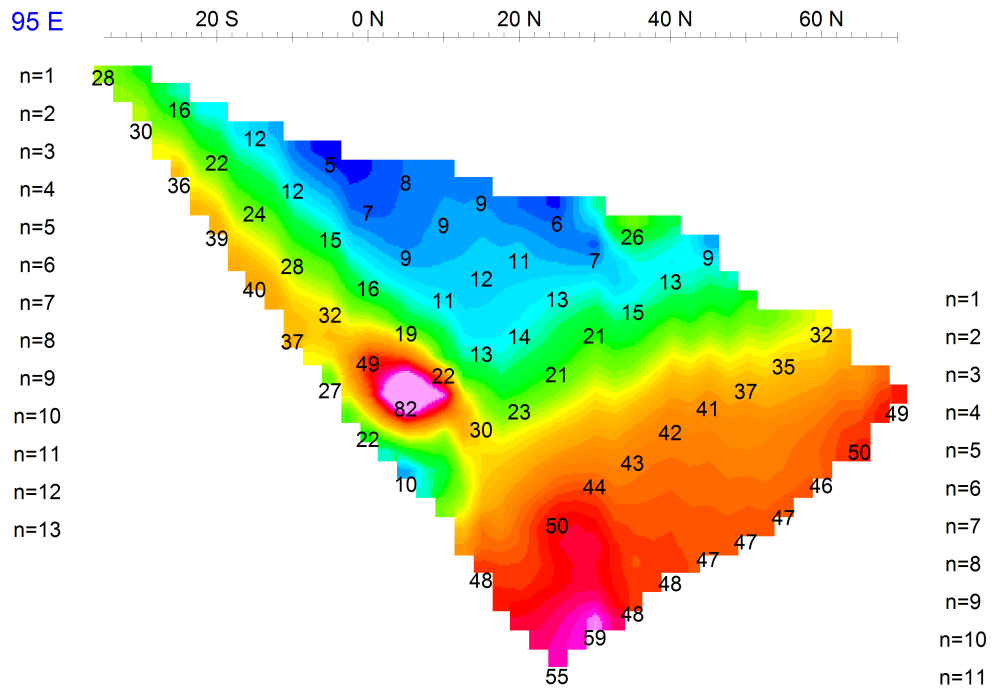
INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Difference between Obs and Predicted

Mining District: Mayo
Date: July 16, 2012
NTS: 105M14
Job: KHE-12553-YT

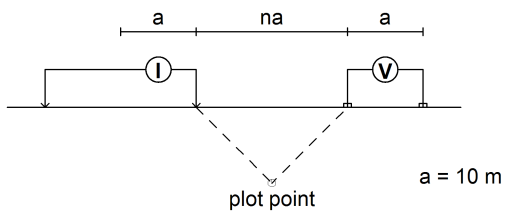
AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS

Crosslines - TX north of RX



Modified Pole-Dipole Array



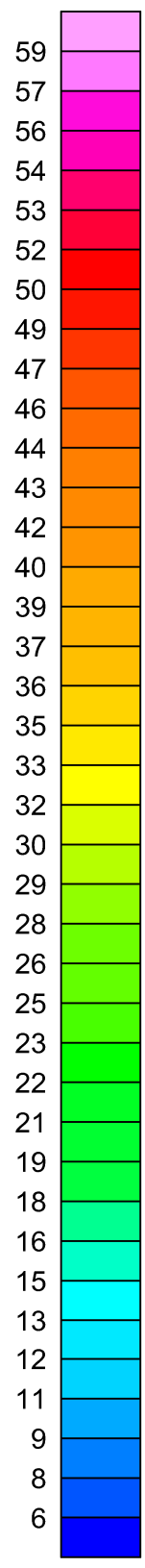
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



Apparent Chargeability
mV/V

Scale 1:1000

10 0 10 20 30 40 50 60
(meters)

KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Observed Apparent Chargeability

Mining District: Mayo
Date: July 16, 2012

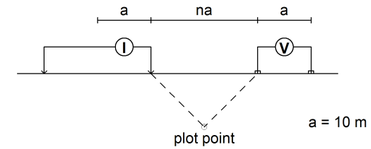
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS

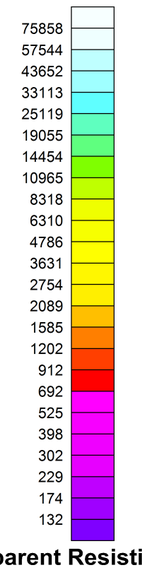
Baselines

Modified Pole-Dipole Array



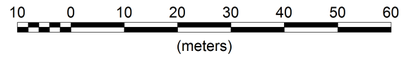
Stationary electrode: 489970E 7090722N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Base_epldp_final.gdb
Dates Surveyed : July 12-13, 2012



Apparent Resistivity
ohm.m

Scale 1:1000



KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Predicted Apparent Resistivity

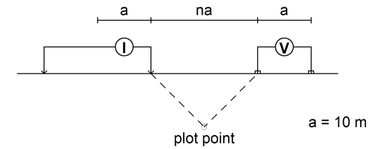
Mining District: Mayo
Date: July 16, 2012

NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

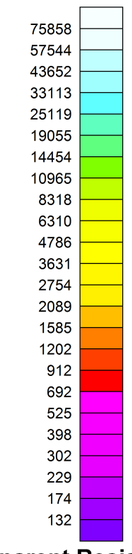
STACKED SECTION PLOTS
Baselines

Modified Pole-Dipole Array



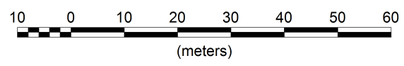
Stationary electrode: 489970E 7090722N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Base_epldp_final.gdb
Dates Surveyed : July 12-13, 2012



Apparent Resistivity
ohm.m

Scale 1:1000



KENO HILL EXPLORATIONS

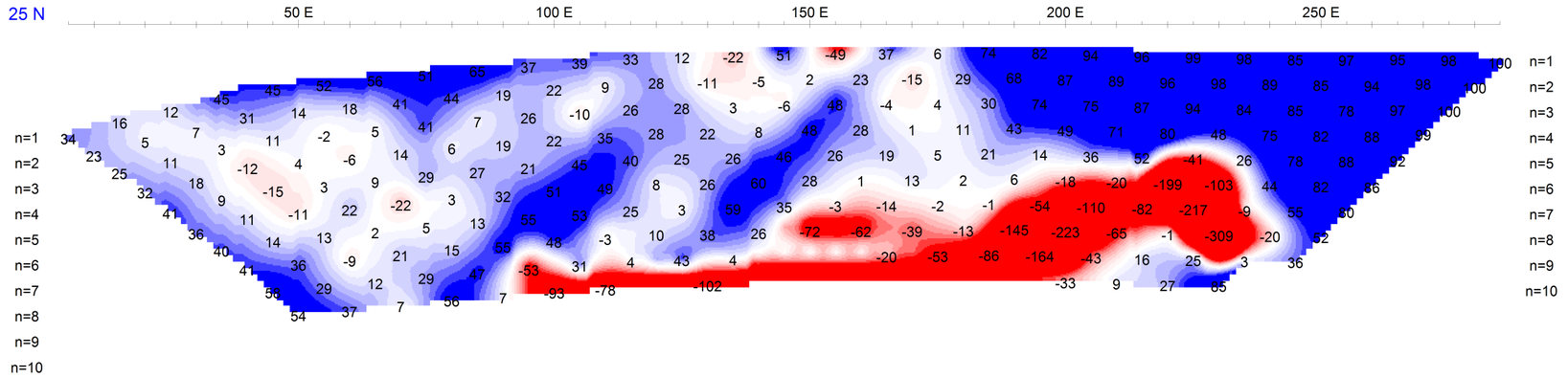
INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Observed Apparent Resistivity

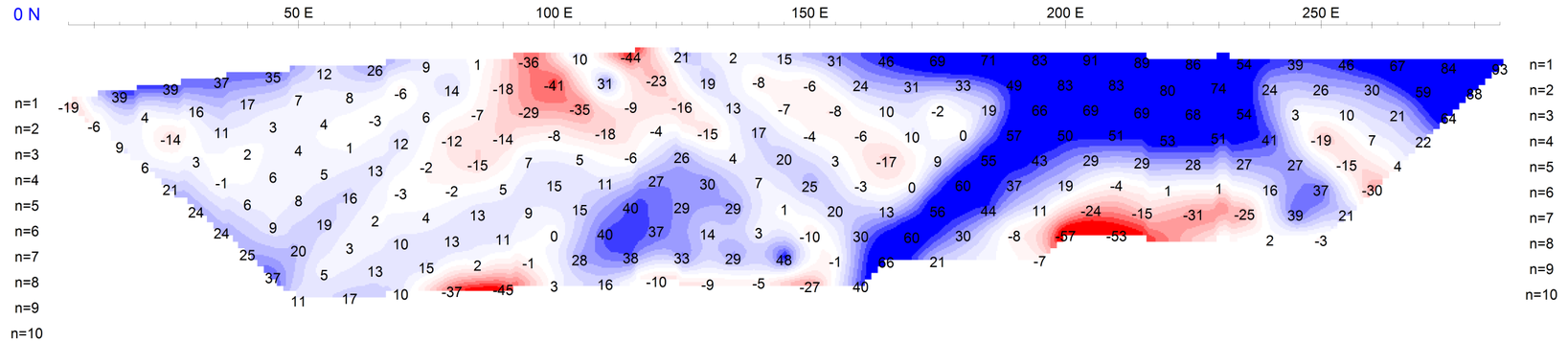
Mining District: Mayo
Date: July 16, 2012

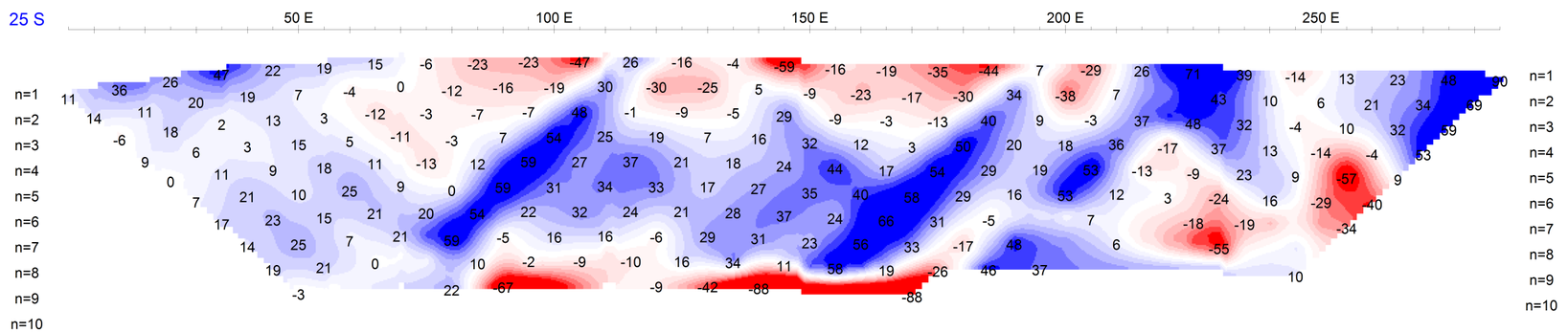
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

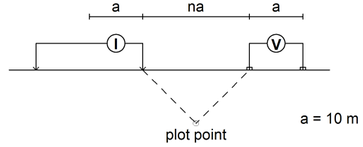
STACKED SECTION PLOTS
Baselines





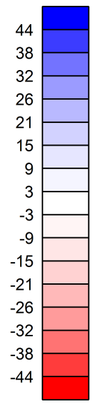


Modified Pole-Dipole Array



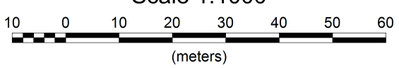
Stationary electrode: 489970E 7090722N (moving NW).

Receiver: Iris ElrecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Base_epldp_final.gdb
Dates Surveyed : July 12-13, 2012



((OBS-PRED)/OBS)*100
percent

Scale 1:1000



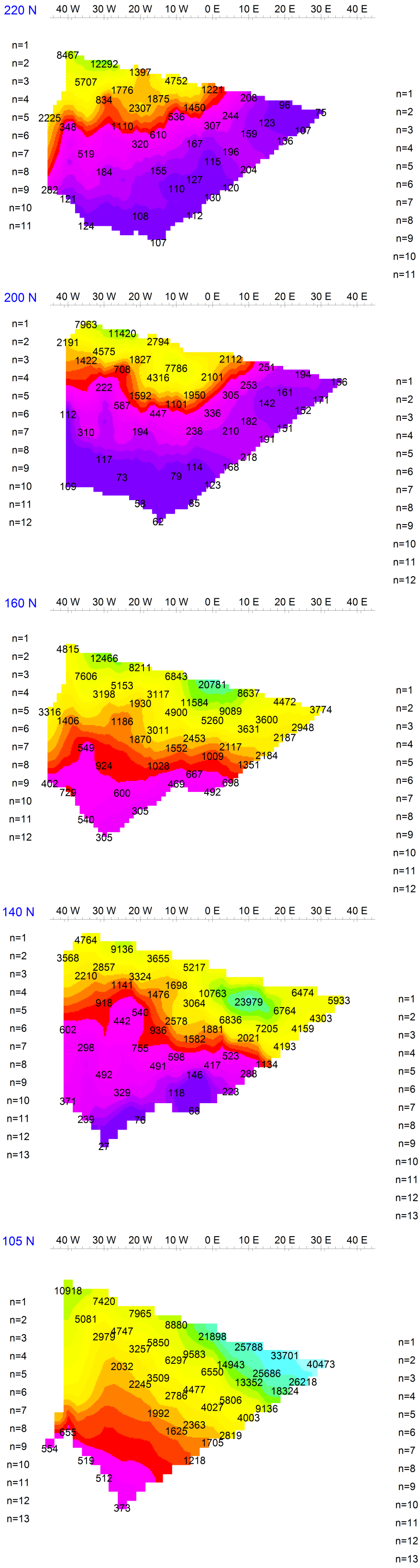
KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Percent difference between Obs and Pred

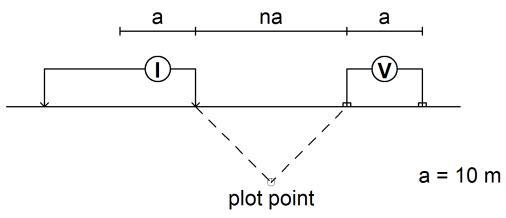
Mining District: Mayo
Date: July 16, 2012
NTS: 105M14
Job: KHE-12553-YT

AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS
Crosslines - TX South of RX



Modified Pole-Dipole Array



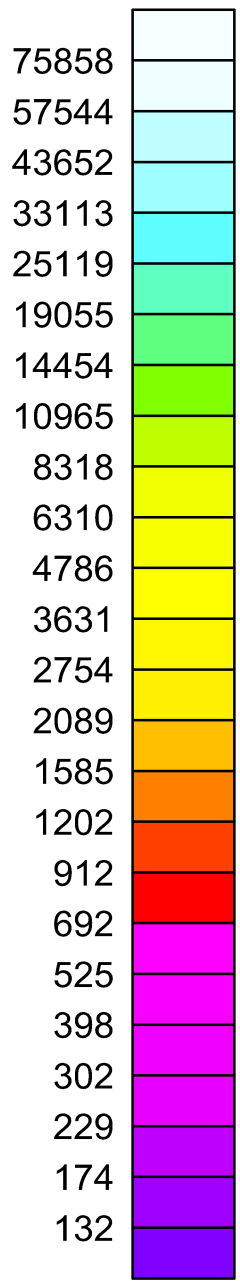
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



Apparent Resistivity
ohm.m

Scale 1:1000

10 0 10 20 30 40 50 60
(meters)

KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Predicted Apparent Resistivity

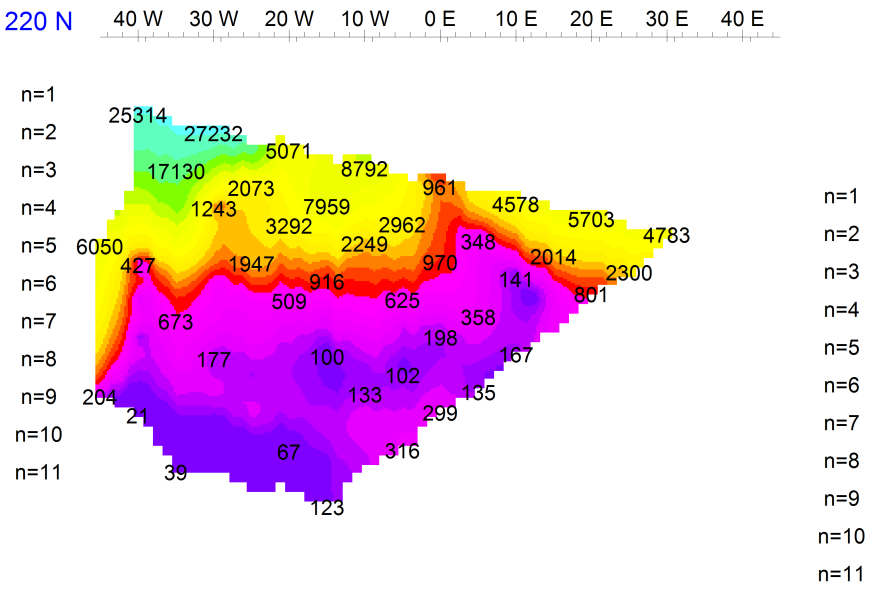
Mining District: Mayo
Date: July 16, 2012

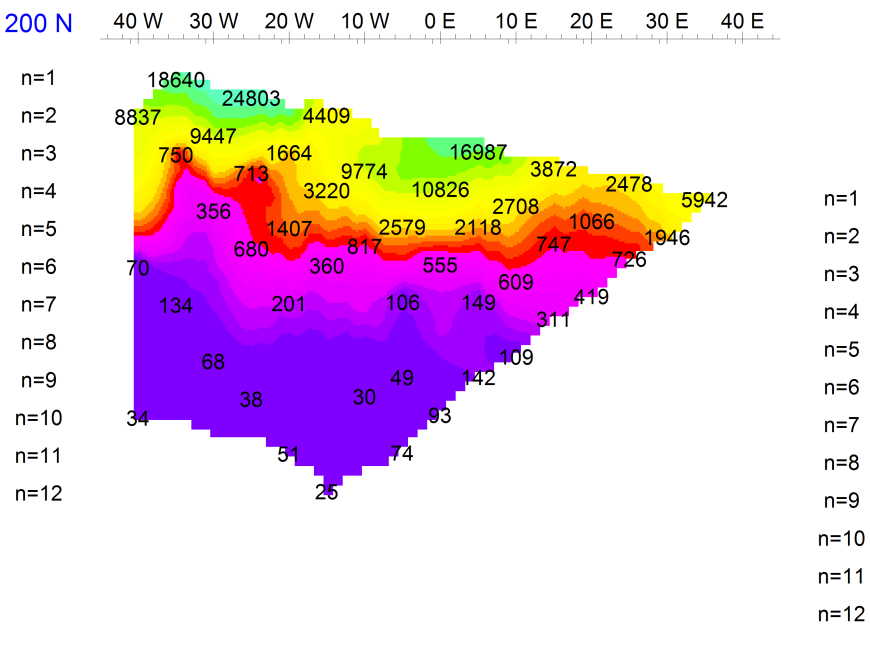
NTS: 105M14
Job: KHE-12553-YT

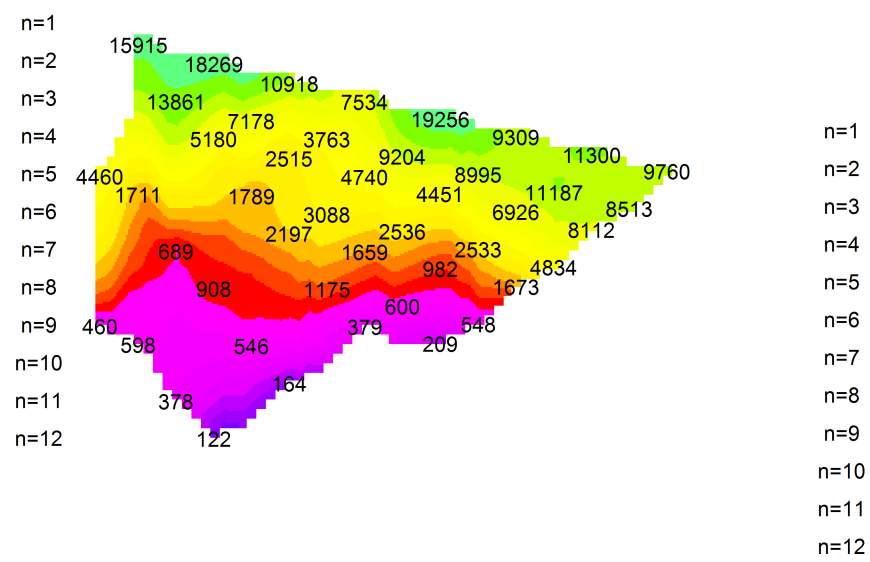
AURORA GEOSCIENCES LTD.

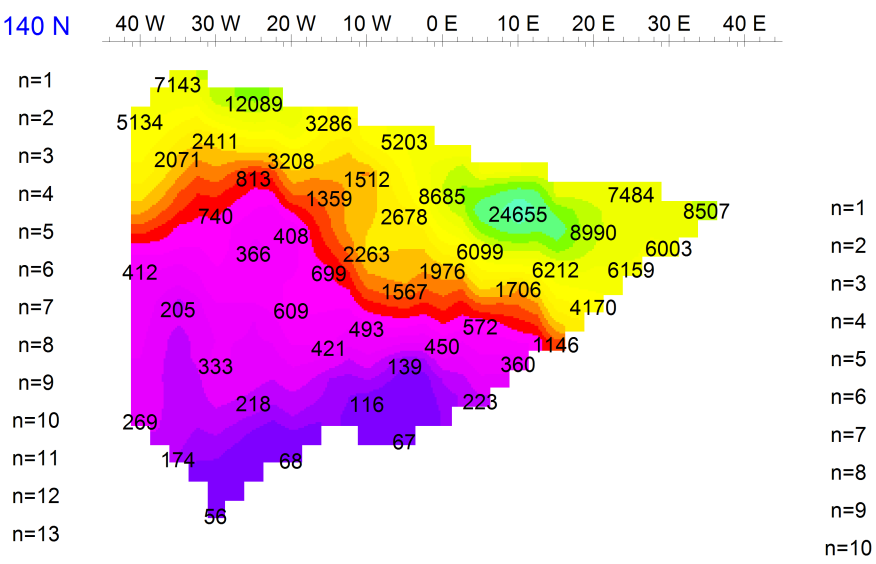
STACKED SECTION PLOTS

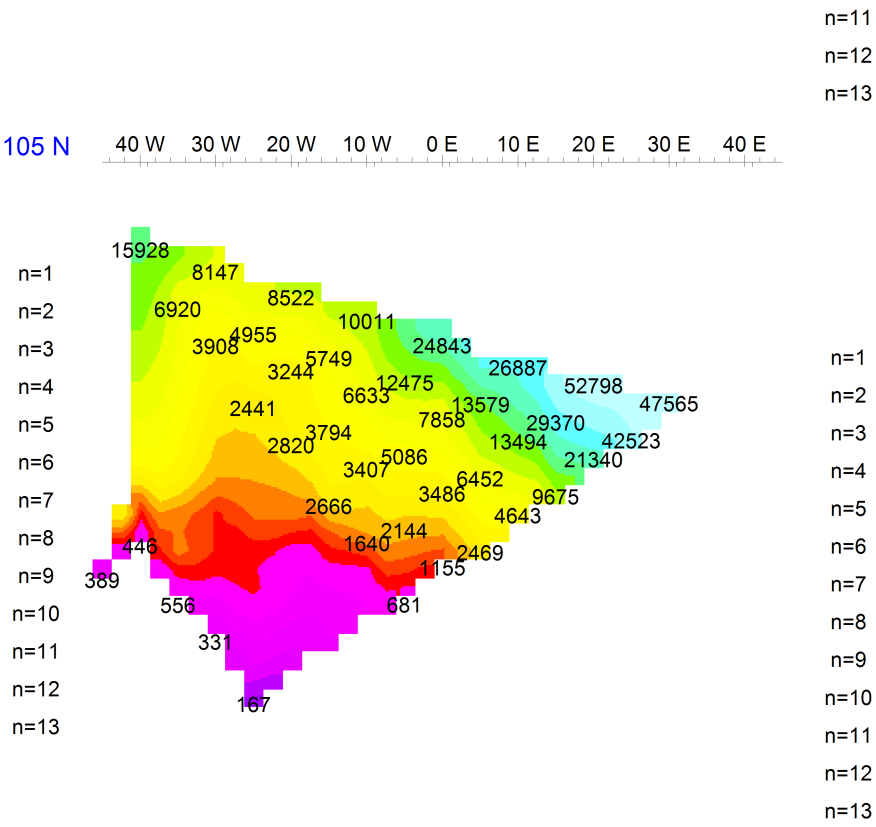
Crosslines - TX south of RX

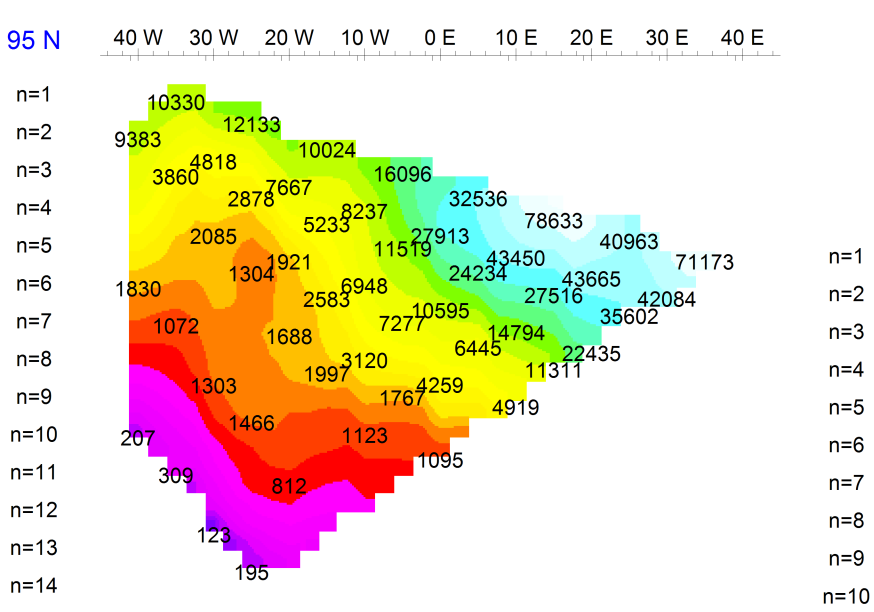




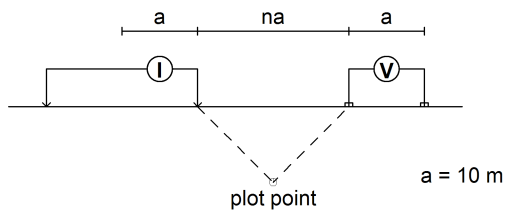








Modified Pole-Dipole Array



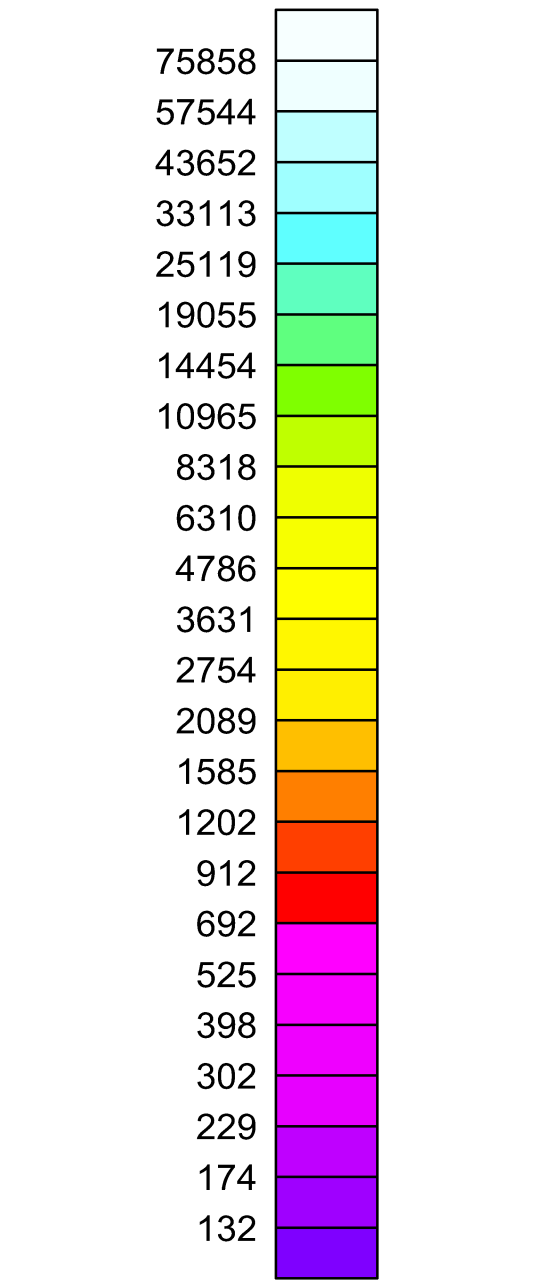
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012





KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY
Nabob Grid - Stacked Section Plot
Observed Apparent Resistivity

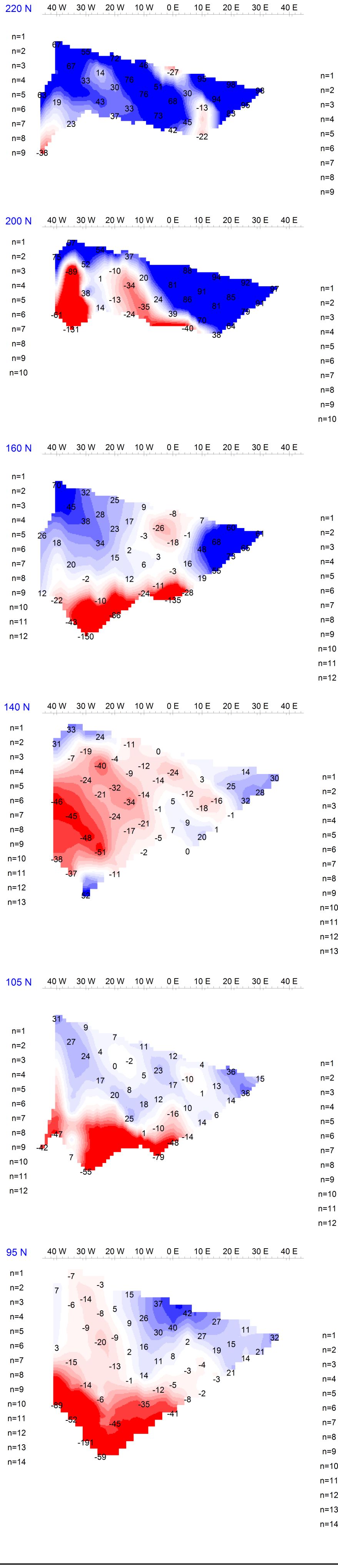
Mining District: Mayo
Date: July 16, 2012

NTS: 105M14
Job: KHE-12553-YT

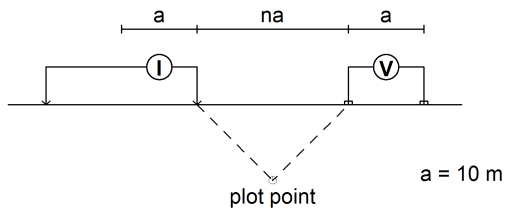
AURORA GEOSCIENCES LTD.

STACKED SECTION PLOTS

Crosslines Tx south of Rx



Modified Pole-Dipole Array



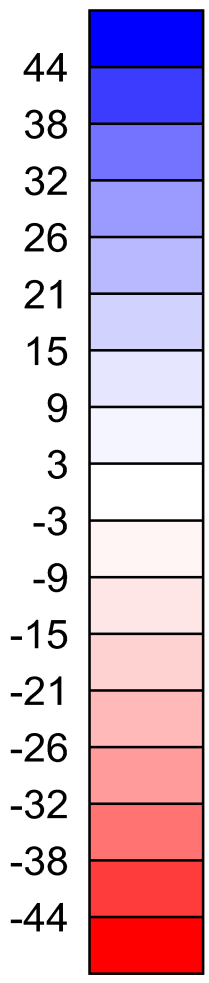
Stationary electrode L95 & L105: 490172E 7090732N (moving NW).
Stationary electrode L140 & L160: 490217E 7090750N (moving NW).
Stationary electrode L200 & L220: 490271E 7090770N (moving NW).

Receiver: Iris ElrecPro

Transmitter: GDD Tx-II 3.6kW

Data File: Base_epldp_final.gdb

Dates Surveyed : July 12-13, 2012



((OBS-PRED)/OBS)*100)

percent

Scale 1:1000

10 0 10 20 30 40 50 60

(meters)

KENO HILL EXPLORATIONS

INDUCED POLARIZATION SURVEY

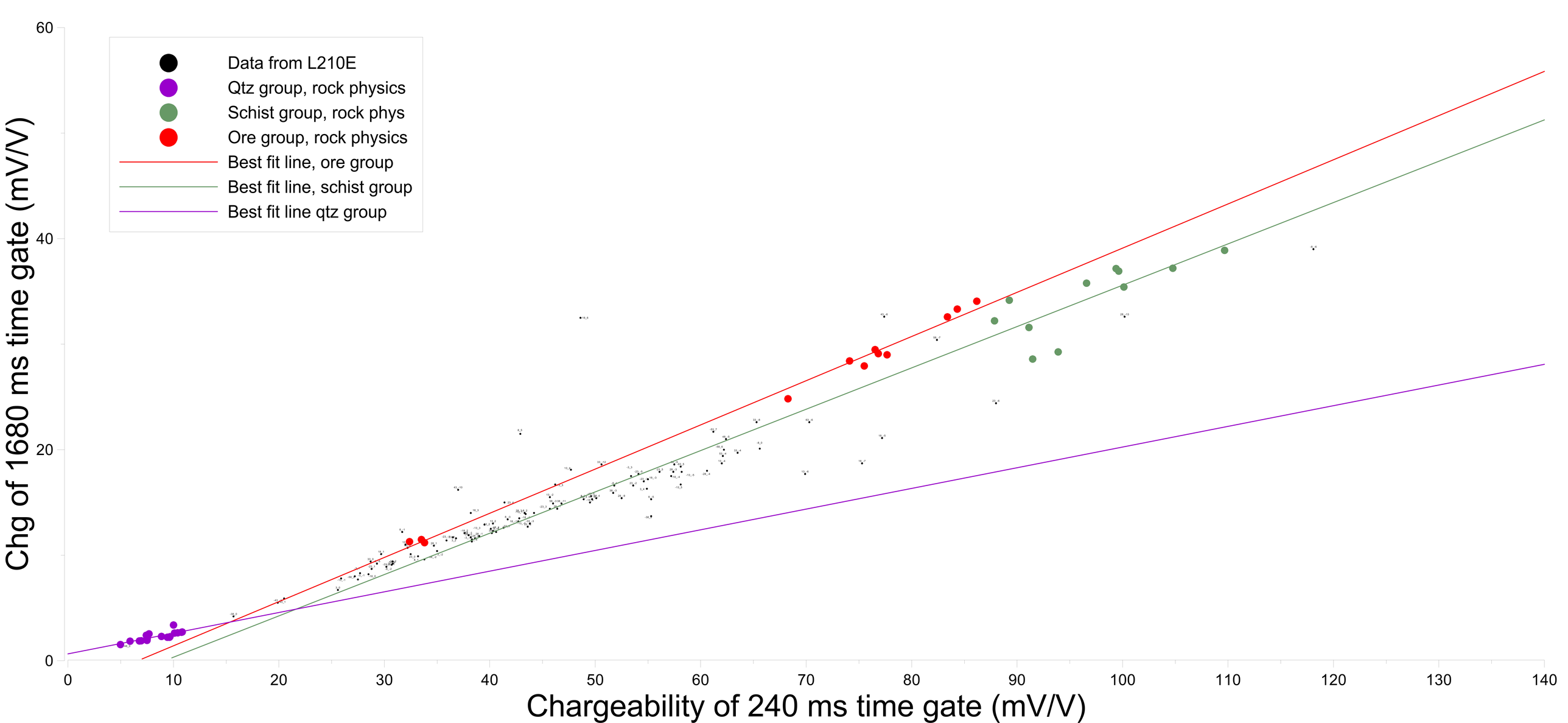
Nabob Grid - Stacked Section Plot

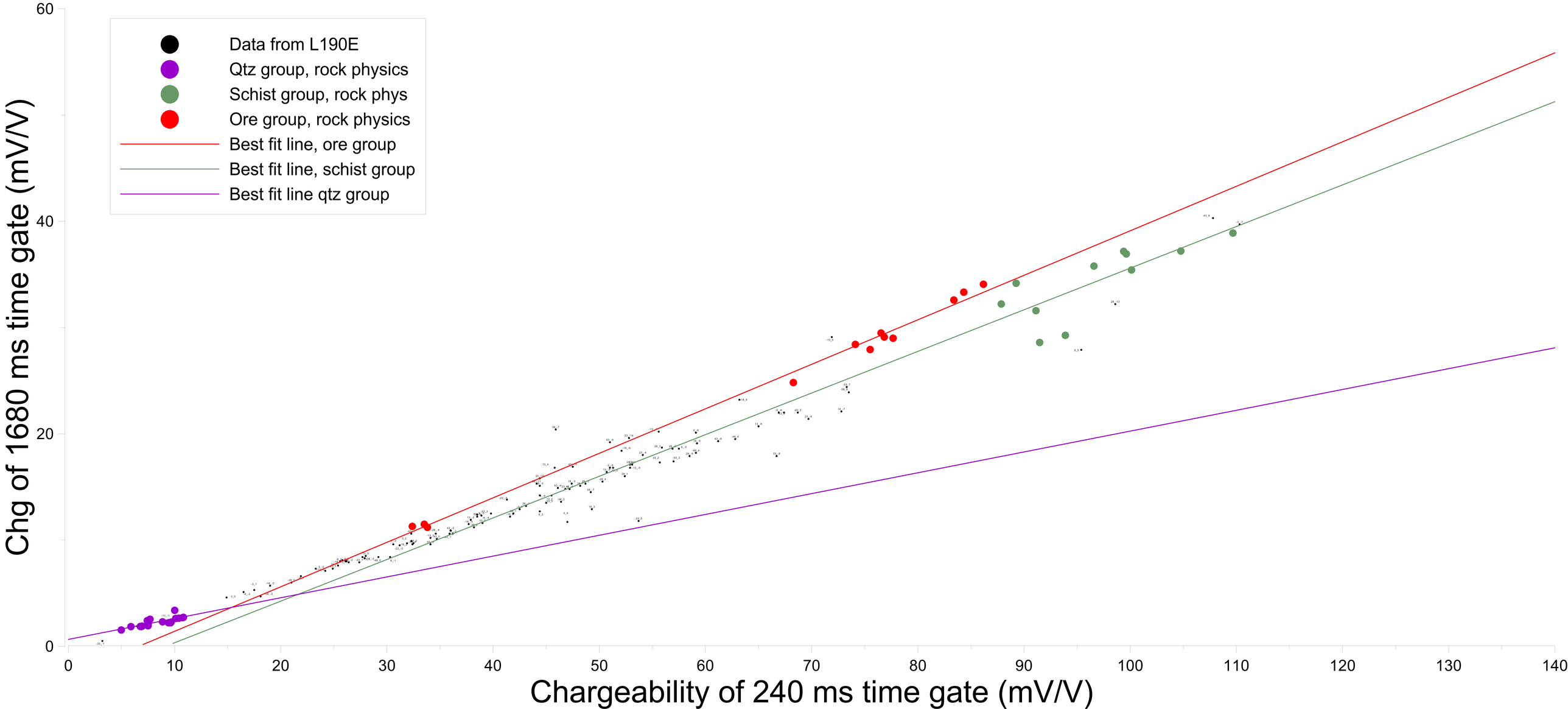
Difference between Obs and Pred Resistivity

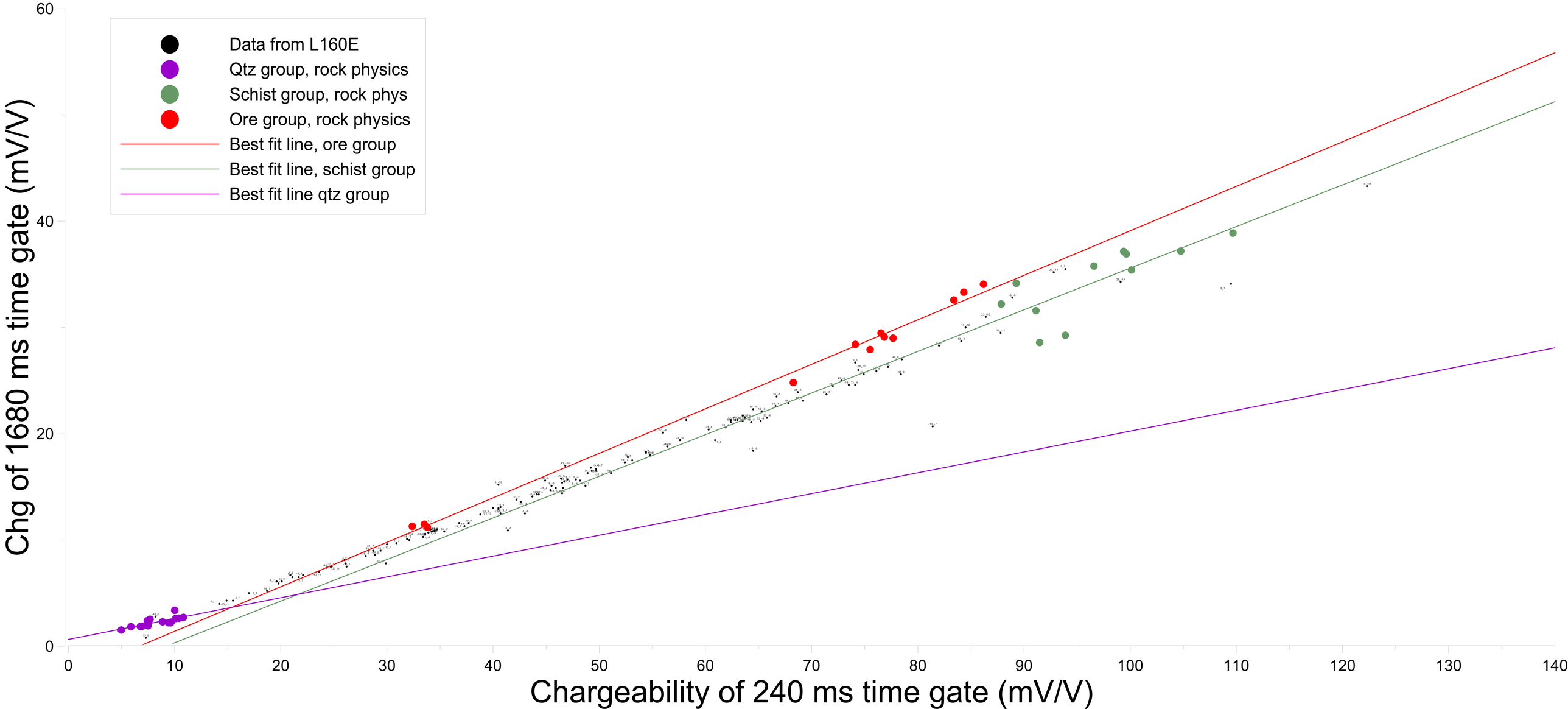
Mining District: Mayo — NTS: 105M14

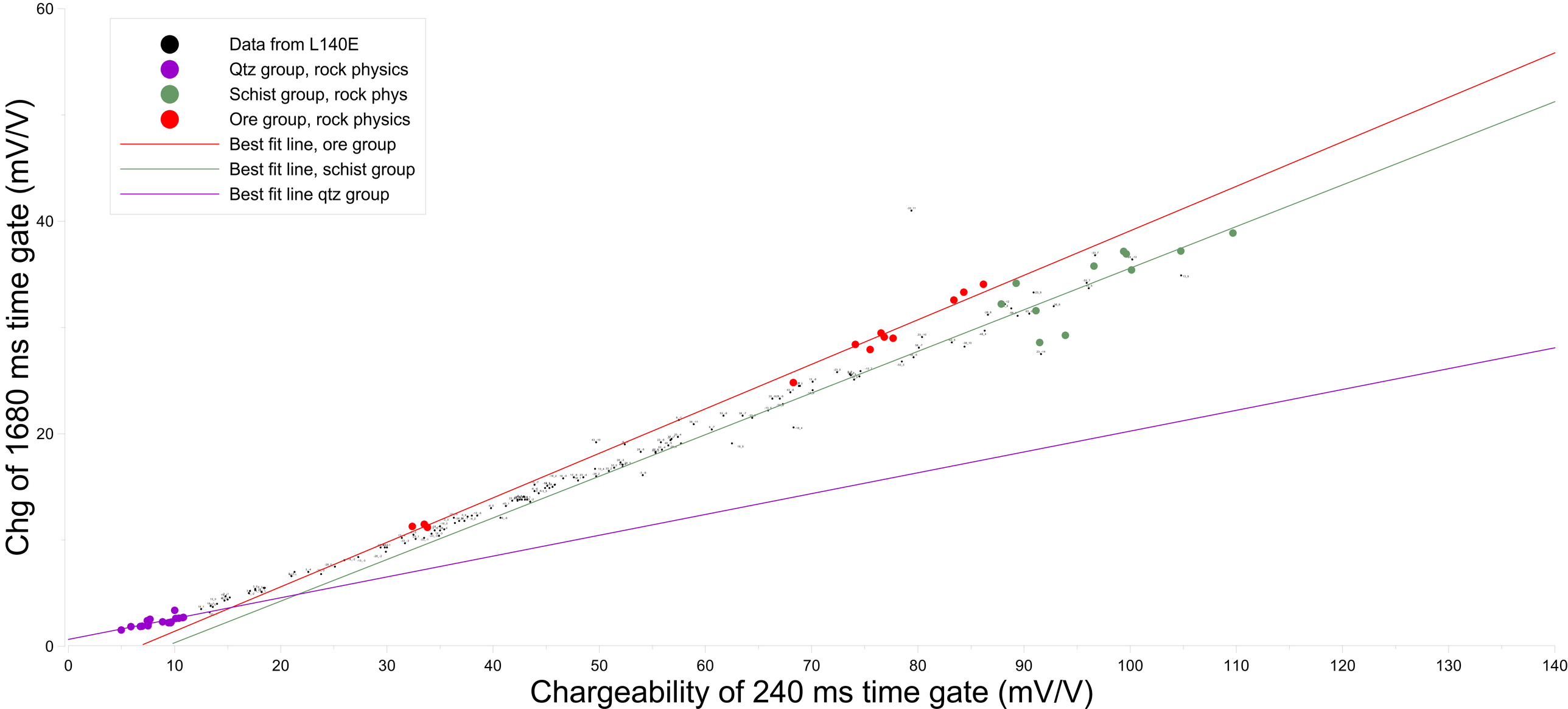
Date: July 16, 2012 — Job: KHE-12553-YT

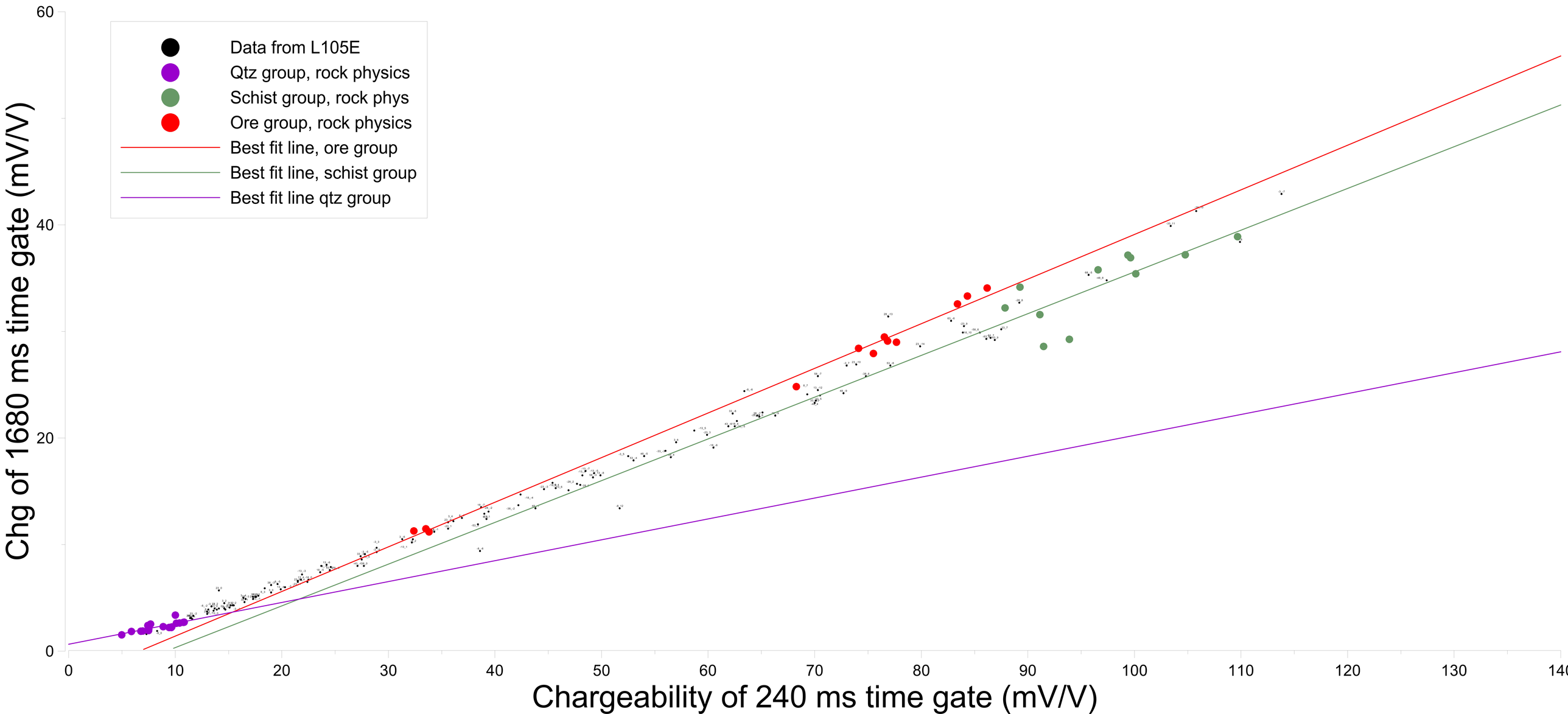
AURORA GEOSCIENCES LTD.

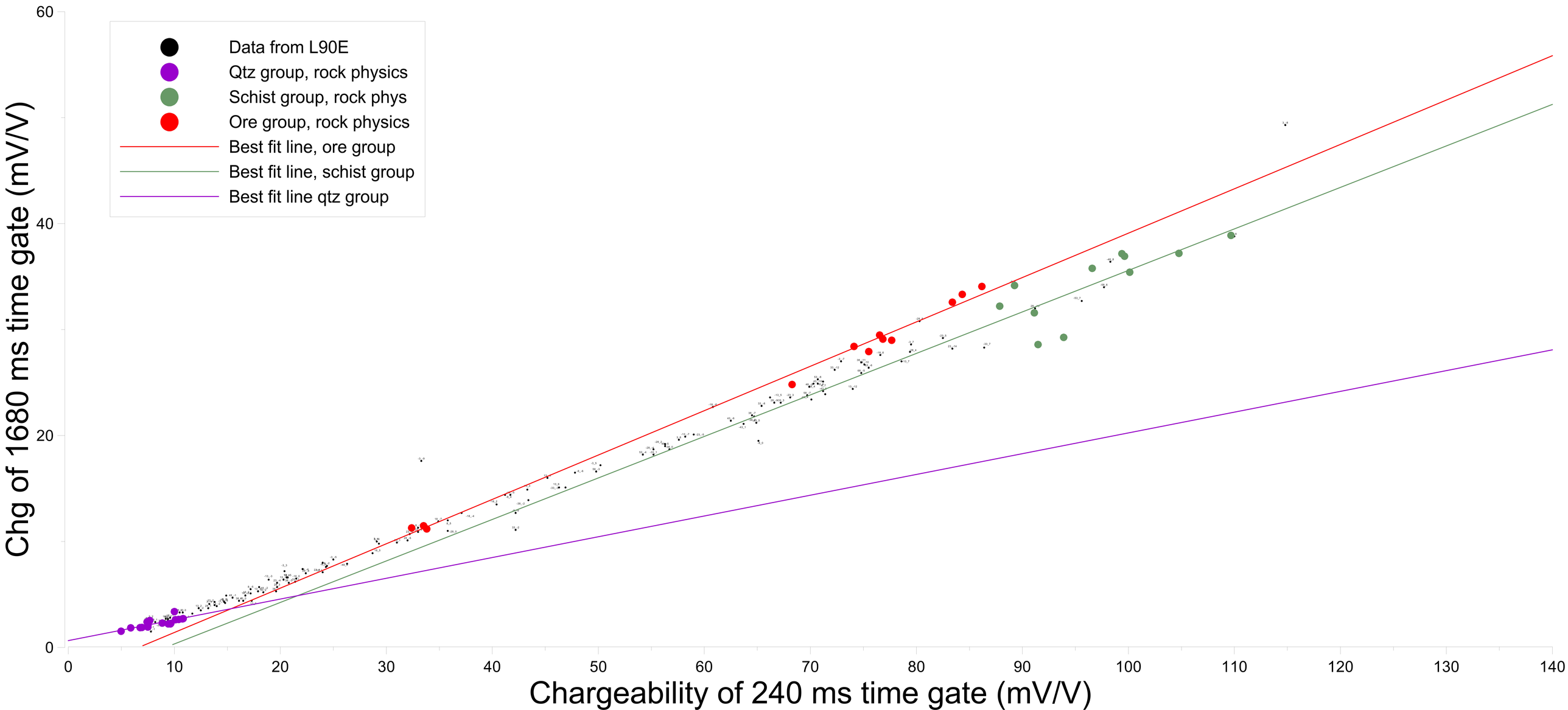

Data from L210E
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

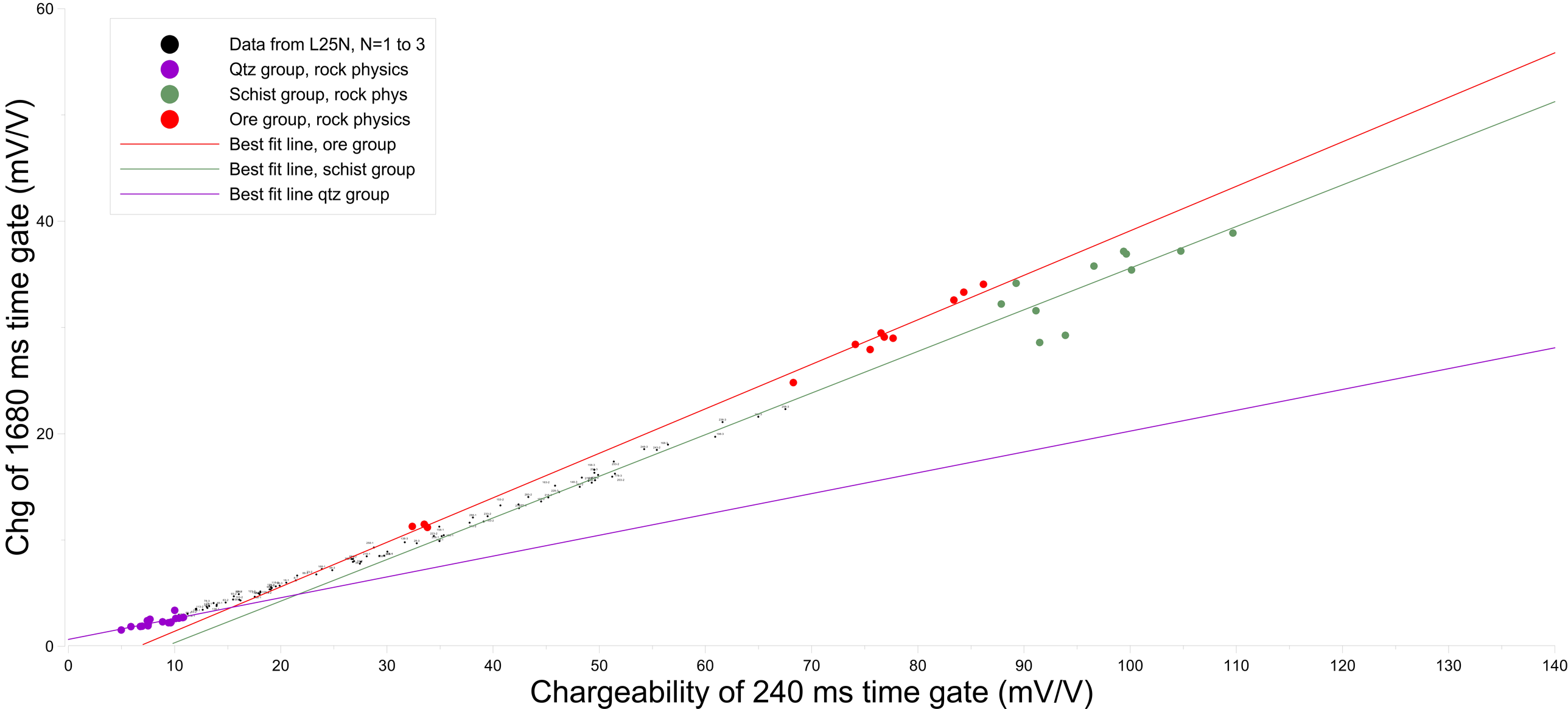

Data from L190E
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

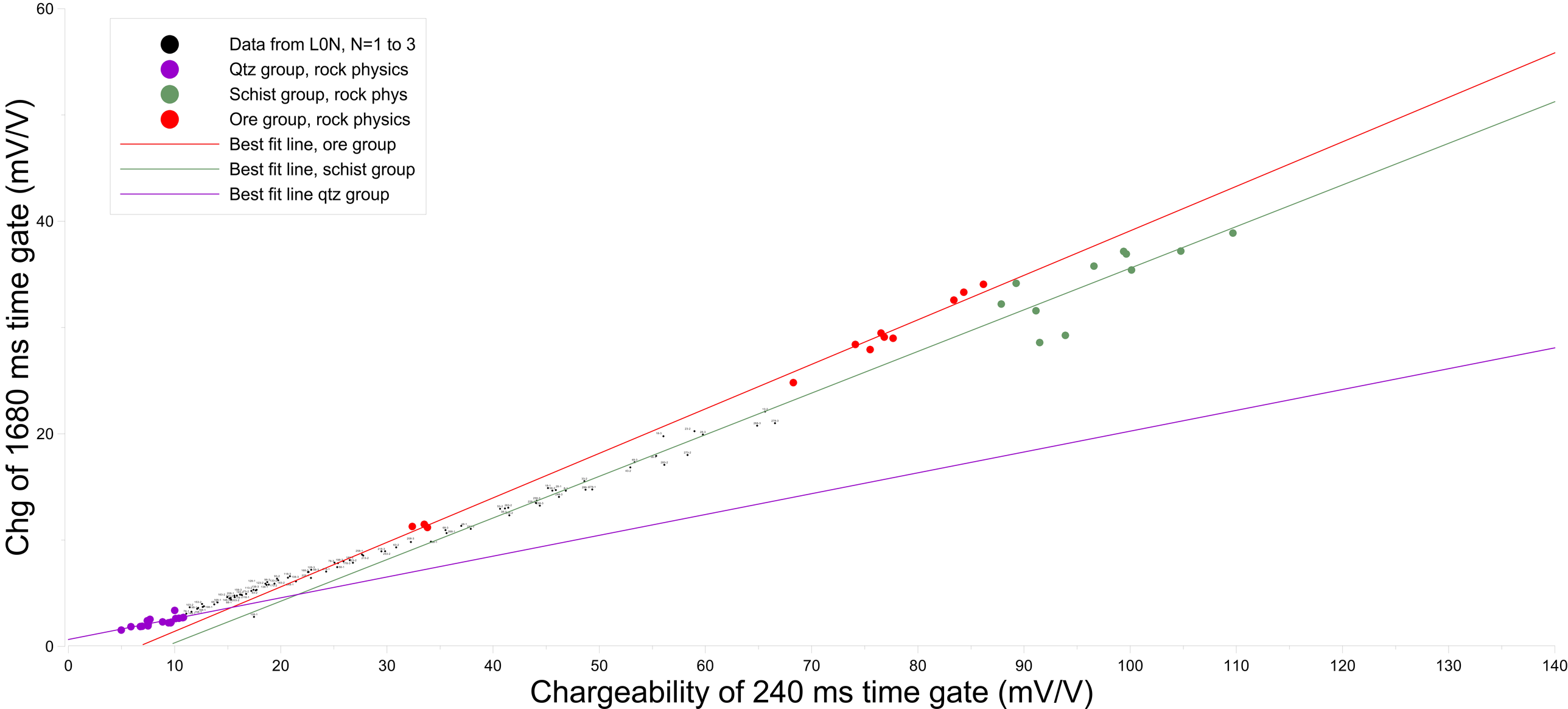

Data from L160E
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

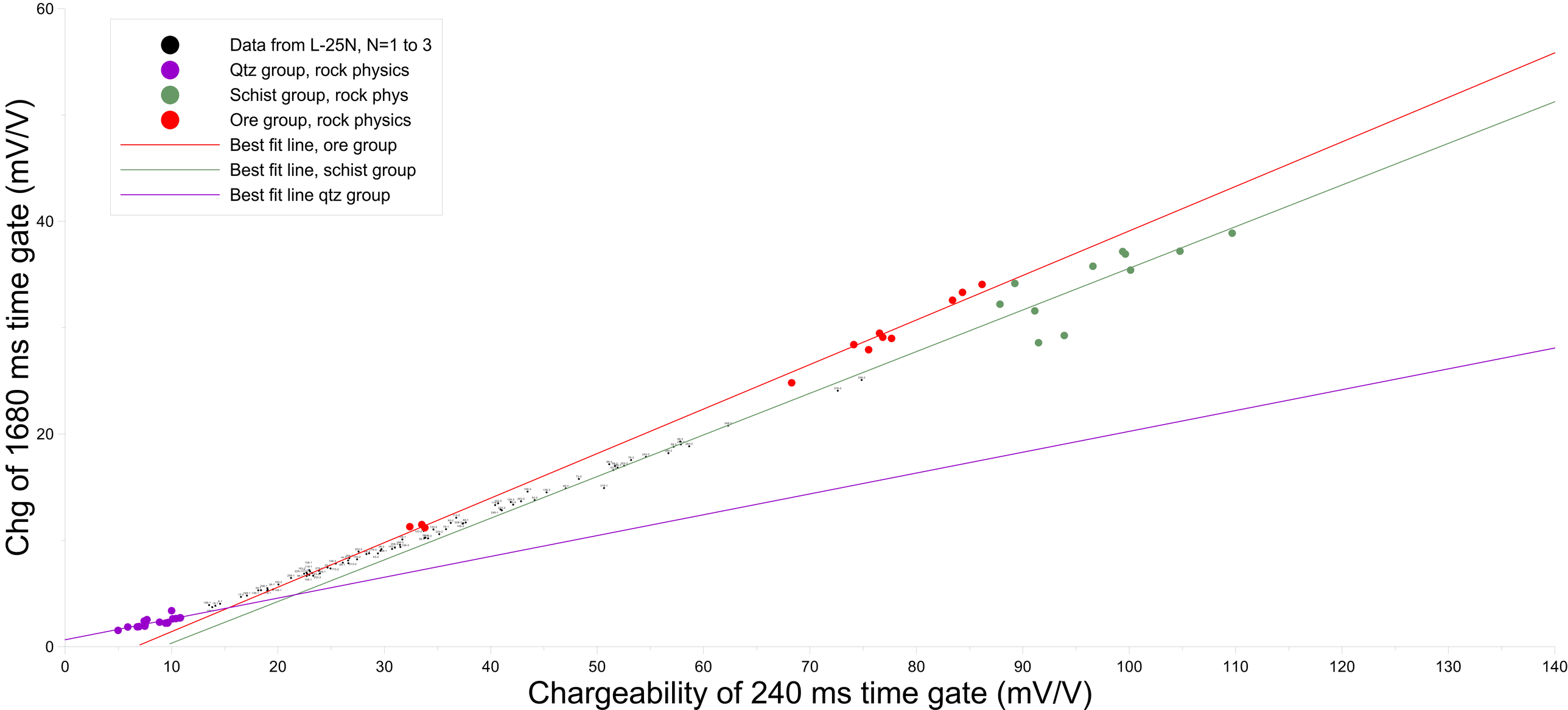

Data from L140E
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


Data from L105E
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


Data from L90E
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


Data from L25N, N=1 to 3
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


Data from L0N, N=1 to 3
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


Data from L-25N, N=1 to 3
Qtz group, rock physics
Schist group, rock phys
Ore group, rock physics
Best fit line, ore group
Best fit line, schist group
Best fit line qtz group
Chg of 1680 ms time gate (mV/V)
Chargeability of 240 ms time gate (mV/V)
0
20
40
60
0
10
20
30
40
50
60
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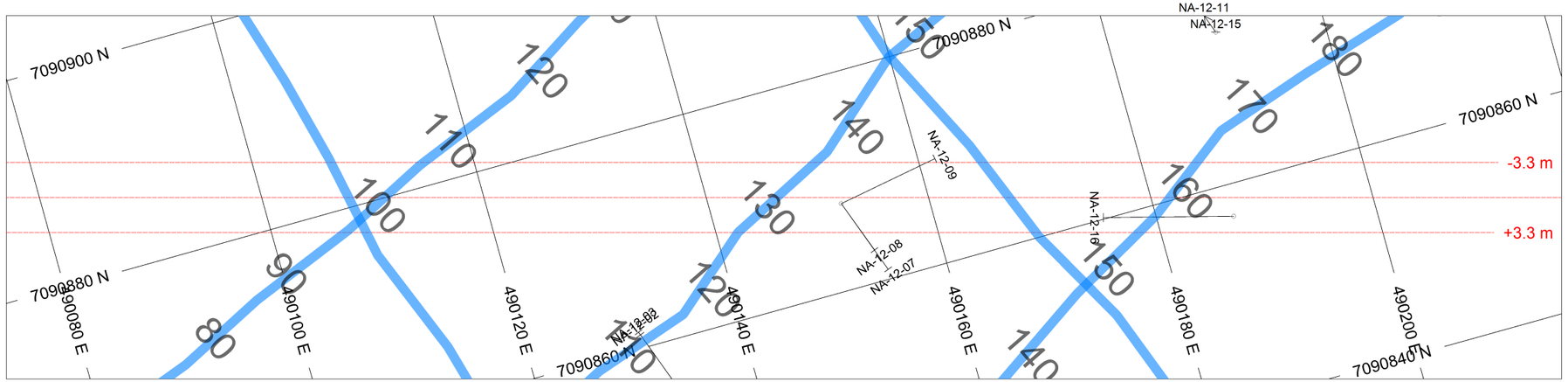
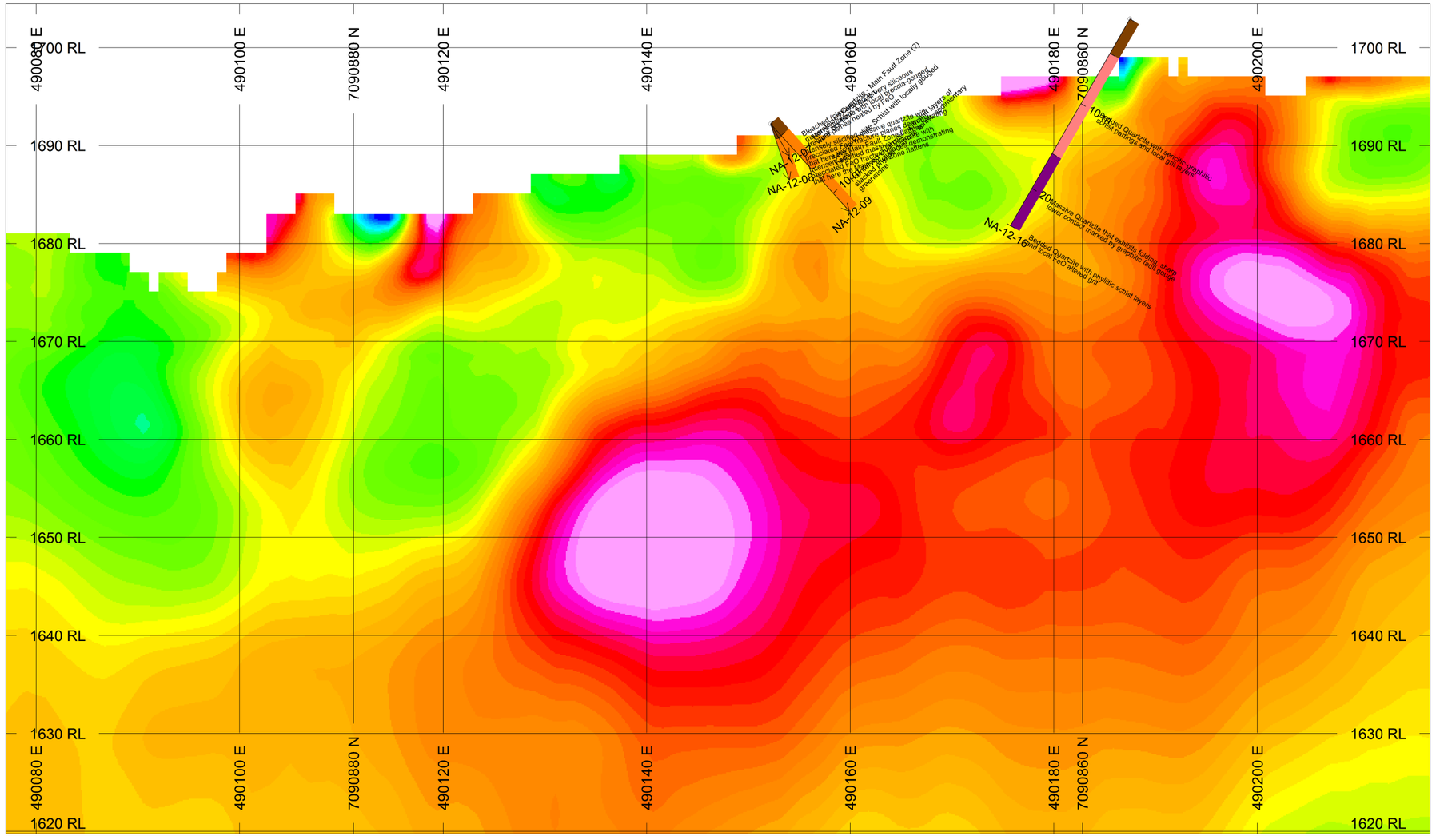
90
100
110
120
130
140





HOLES PLOTTED

TOTAL 4

NA-12-07 NA-12-08 NA-12-09 NA-12-16

VOXEL SLICE COL RANGE

Zeta

8.974358974
7.435897436
5.897435897
4.358974359
2.820512821
1.282051282
-0.2564102564
-1.794871795
-3.333333333
-4.871794872
-6.41025641
-7.948717949
-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490147 m	7090870 m
EXTENTS	145.3 m	84.68 m
SECTION TOP, BOT	1704 m	1620 m
TOLERANCE +/-	3.275 m	

SCALE 1 : 531.9

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 105.6°

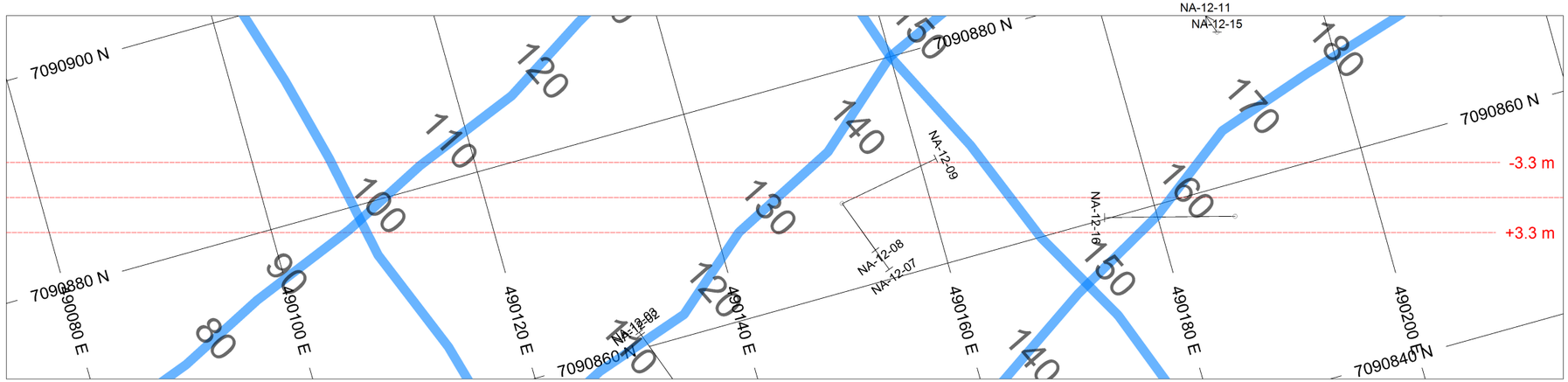
N W E S

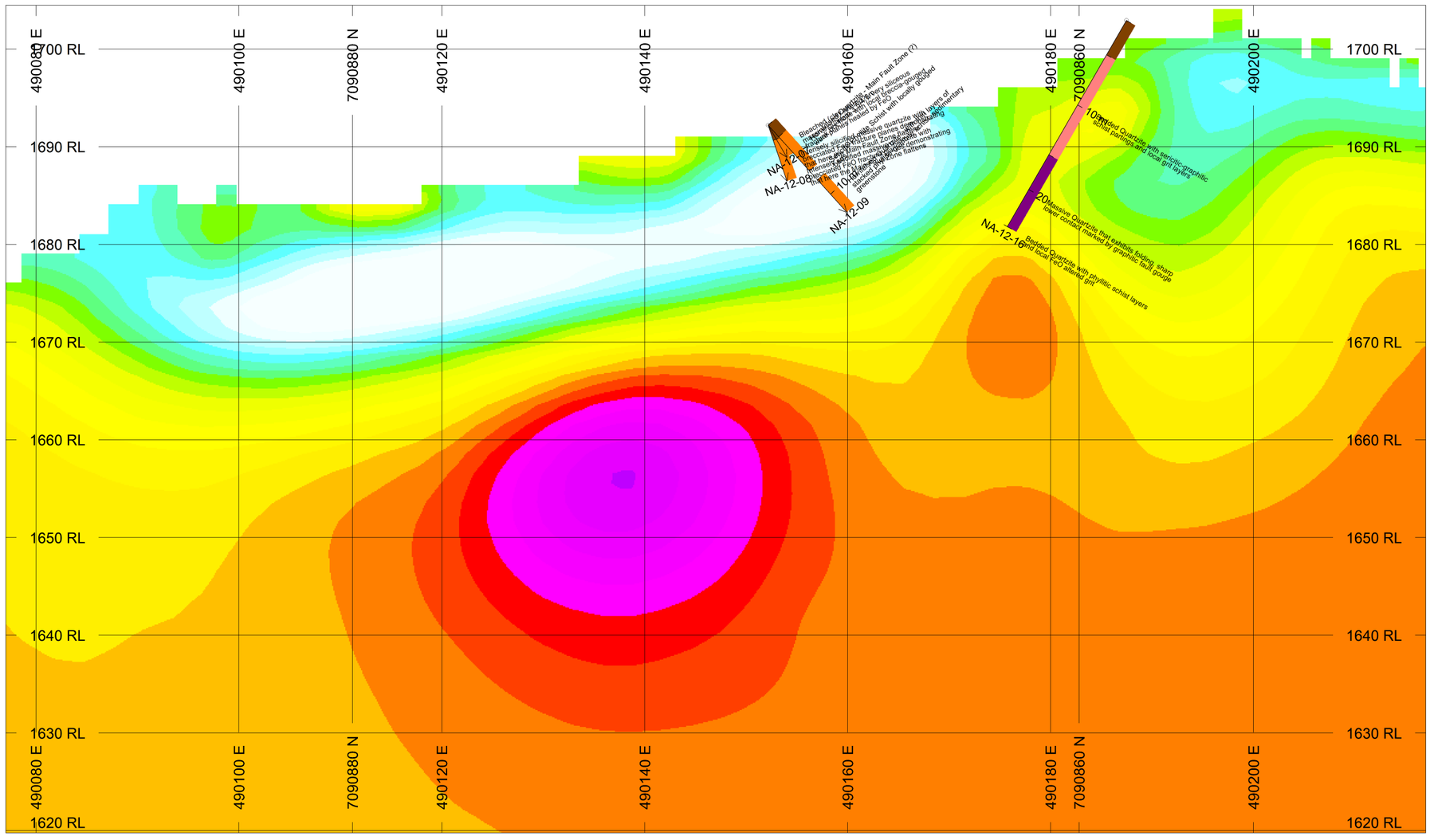
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 4

NA-12-07 NA-12-08 NA-12-09 NA-12-16

VOXEL SLICE
Recovered Resistivity

COL	RANGE
	57543.99373
	33113.11215
	19054.60718
	10964.78196
	6309.573445
	3630.780548
	2089.296131
	1202.264435
	691.8309709
	398.1071706
	229.0867653
	131.8256739

ROCK CODES Lithology	PAT	CODE	DESCRIPTION
		OB	Overburden
		QTZT	Quartzite
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490147 m	7090870 m
EXTENTS	145.3 m	84.68 m
SECTION TOP, BOT	1704 m	1620 m
TOLERANCE +/-	3.275 m	

SCALE 1 : 531.9

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 105.6°

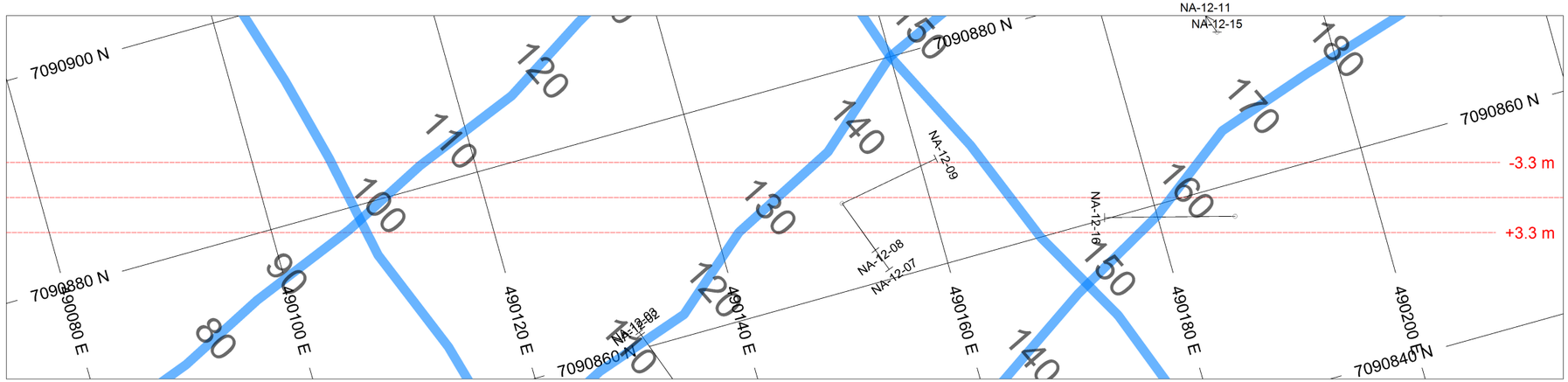
N W E S

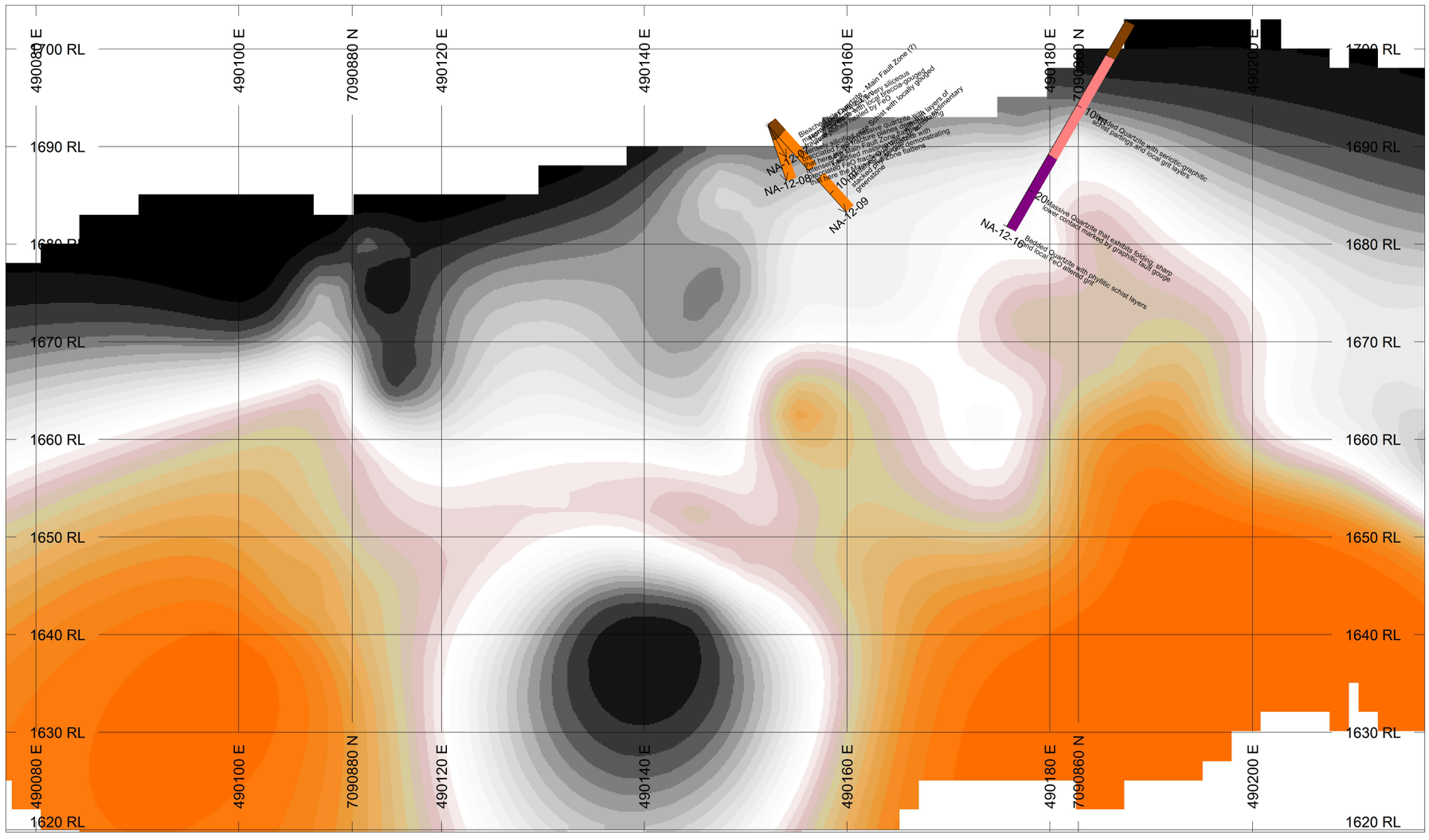
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 4

NA-12-07 NA-12-08 NA-12-09 NA-12-16

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490147 m	7090870 m
EXTENTS	145.3 m	84.68 m
SECTION TOP, BOT	1704 m	1620 m
TOLERANCE +/-	3.275 m	

SCALE 1 : 531.9

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 105.6°

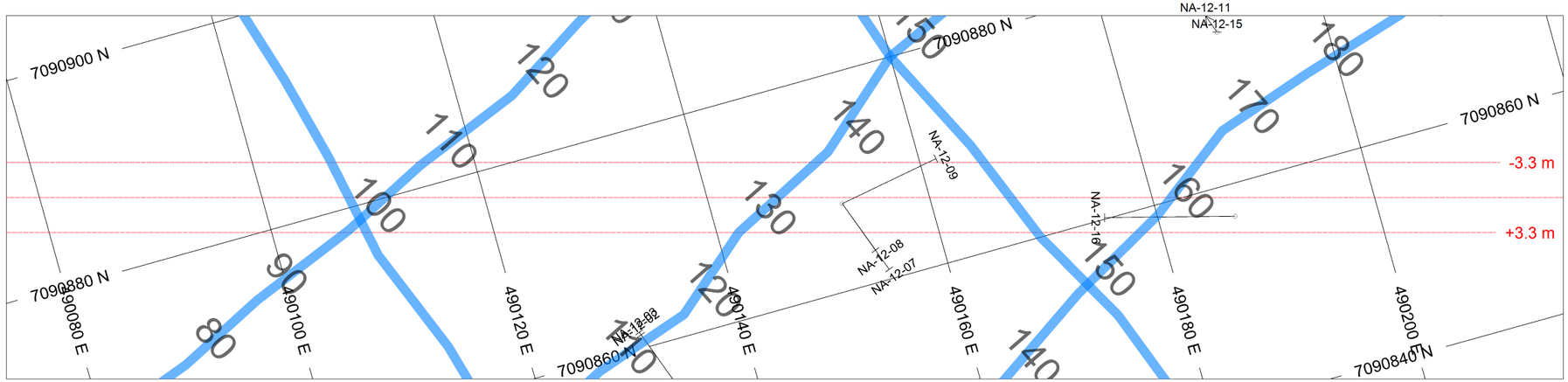
N W E S

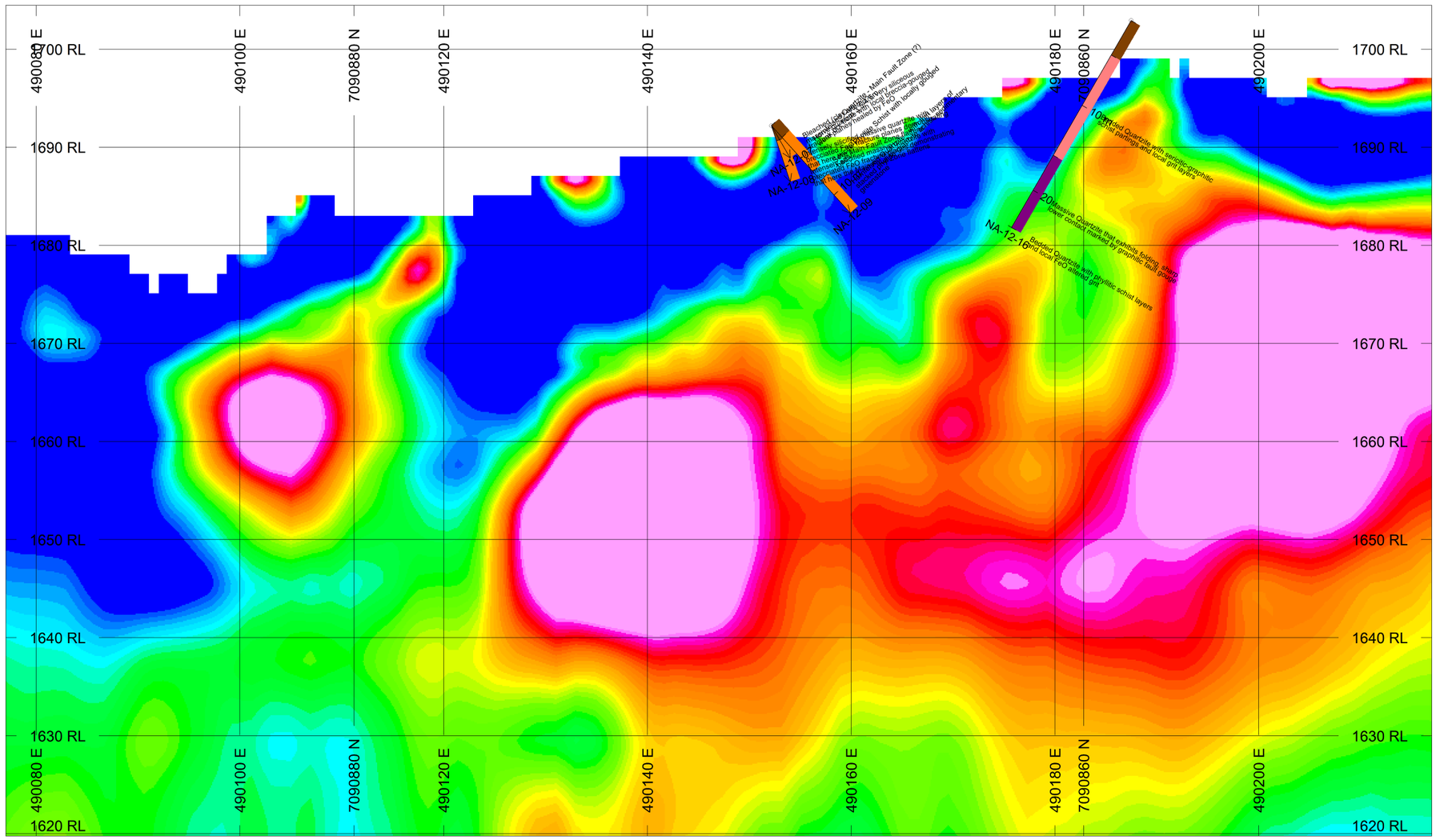
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 4

NA-12-07 NA-12-08 NA-12-09 NA-12-16

VOXEL SLICE	COL	RANGE
Recovered Chargeability		71.41025641
		66.02564103
		60.64102564
		55.25641026
		49.87179487
		44.48717949
		39.1025641
		33.71794872
		28.33333333
		22.94871795
		17.56410256
		12.17948718
		6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490147 m	7090870 m
EXTENTS	145.3 m	84.68 m
SECTION TOP, BOT	1704 m	1620 m
TOLERANCE +/-	3.275 m	

SCALE 1 : 531.9

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 105.6°

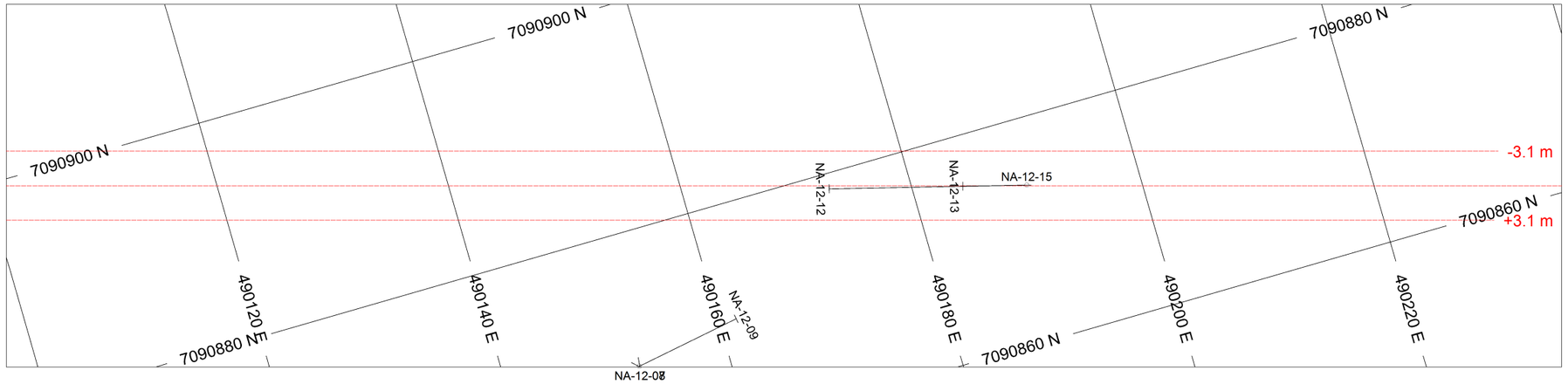
N W E S

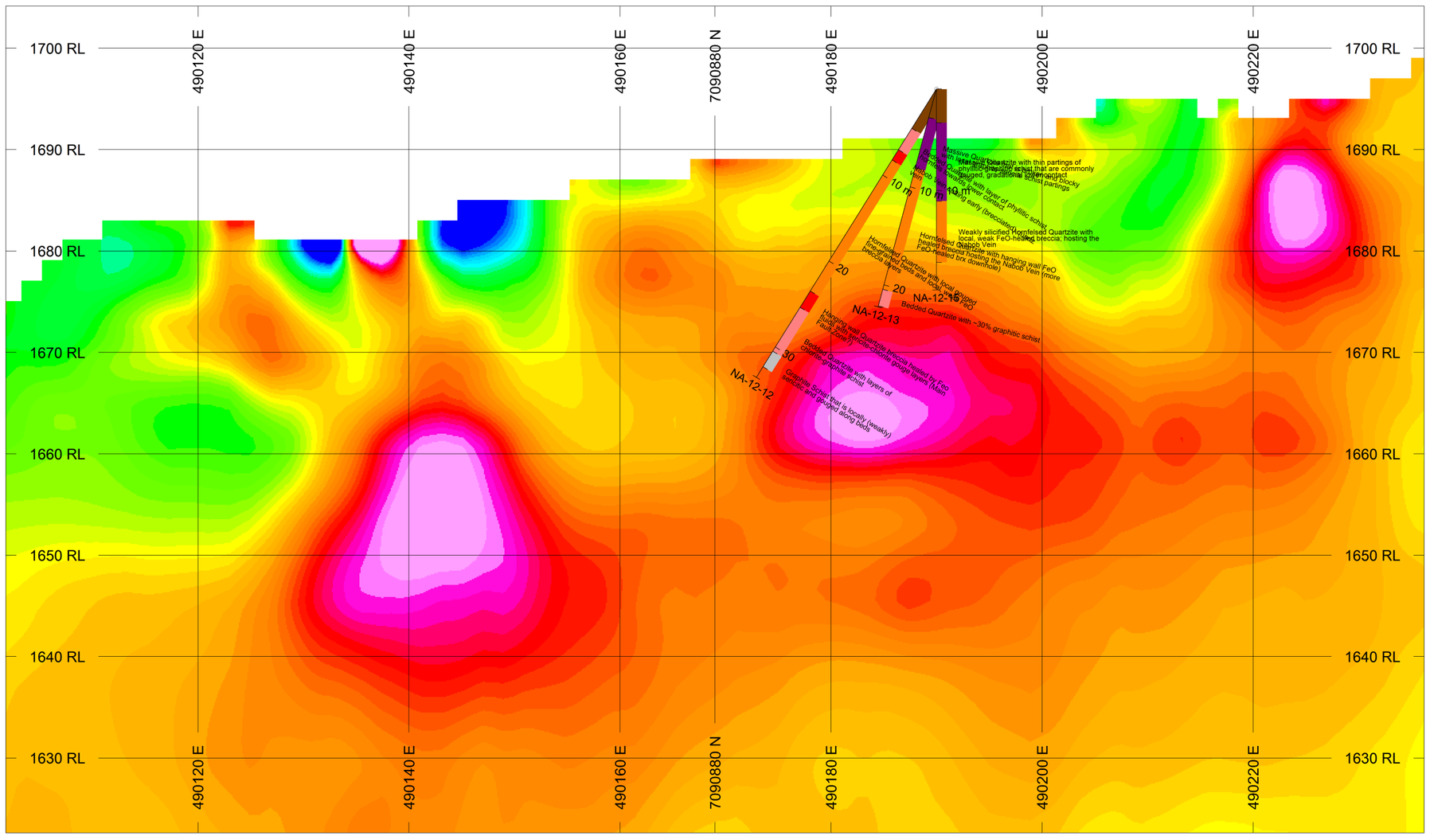
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 3

NA-12-12 NA-12-13 NA-12-15

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		NBVN	Nabob Vein

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490169 m	7090880 m
EXTENTS	139.9 m	81.53 m
SECTION TOP, BOT	1704 m	1623 m
TOLERANCE +/-	3.11 m	

SCALE 1 : 512.1

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 106.1°

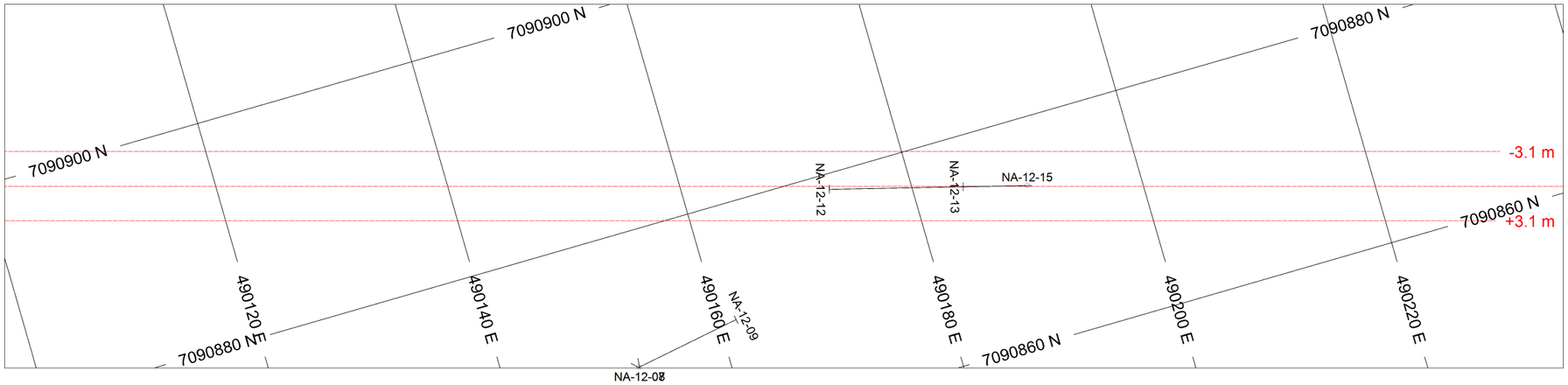
N W E S

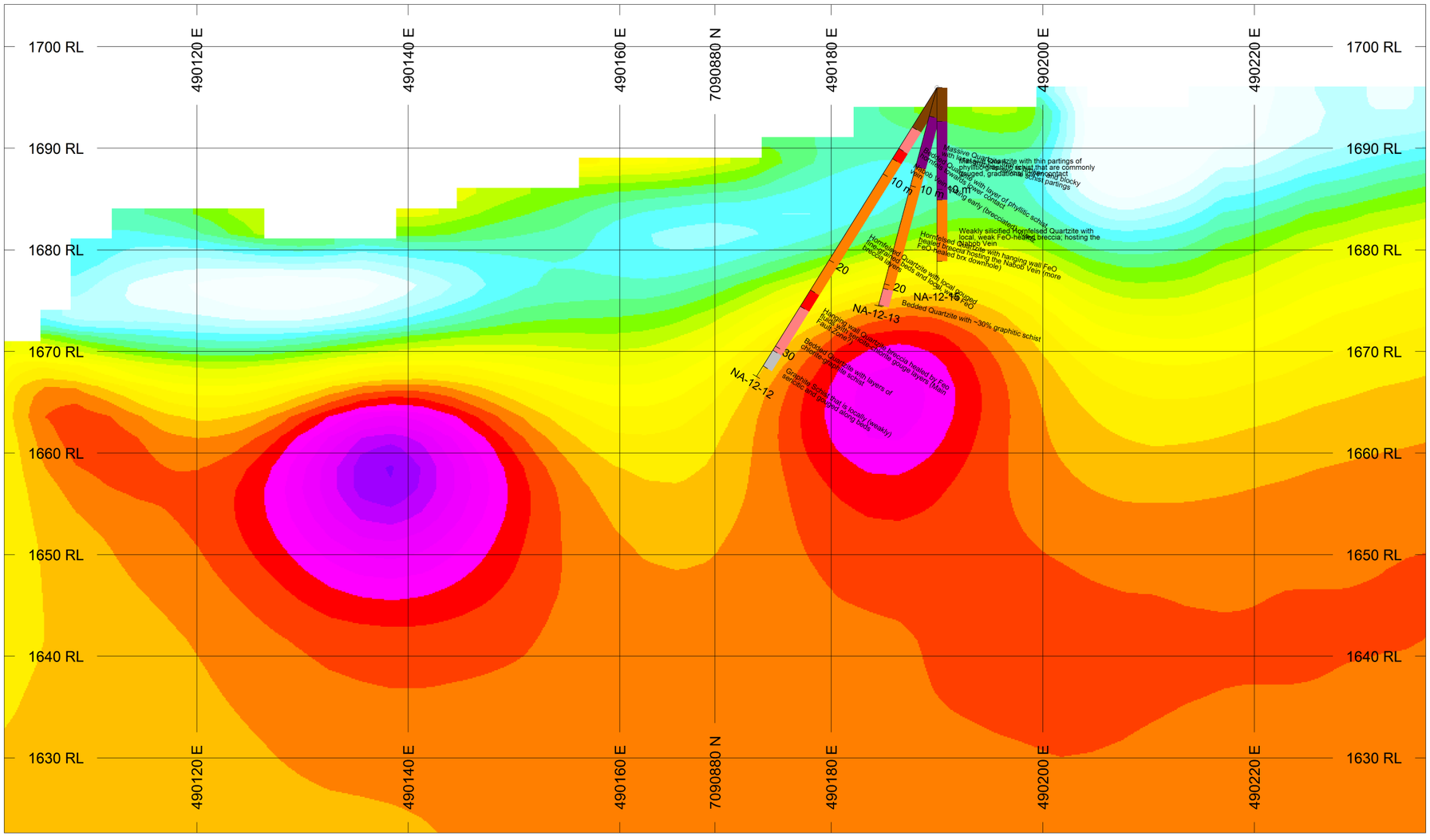
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 3

NA-12-12 NA-12-13 NA-12-15

VOXEL SLICE
Recovered Resistivity

COL	RANGE
	57543.99373
	33113.11215
	19054.60718
	10964.78196
	6309.573445
	3630.780548
	2089.296131
	1202.264435
	691.8309709
	398.1071706
	229.0867653
	131.8256739

ROCK CODES Lithology	PAT	CODE	DESCRIPTION
		OB	Overburden
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		MFZVN	Main Faul Zone Vein
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		BQTZT	Bedded Quartzite
		NBVN	Nabob Vein

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490169 m	7090880 m
EXTENTS	139.9 m	81.53 m
SECTION TOP, BOT	1704 m	1623 m
TOLERANCE +/-	3.11 m	

SCALE 1 : 512.1

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 106.1°

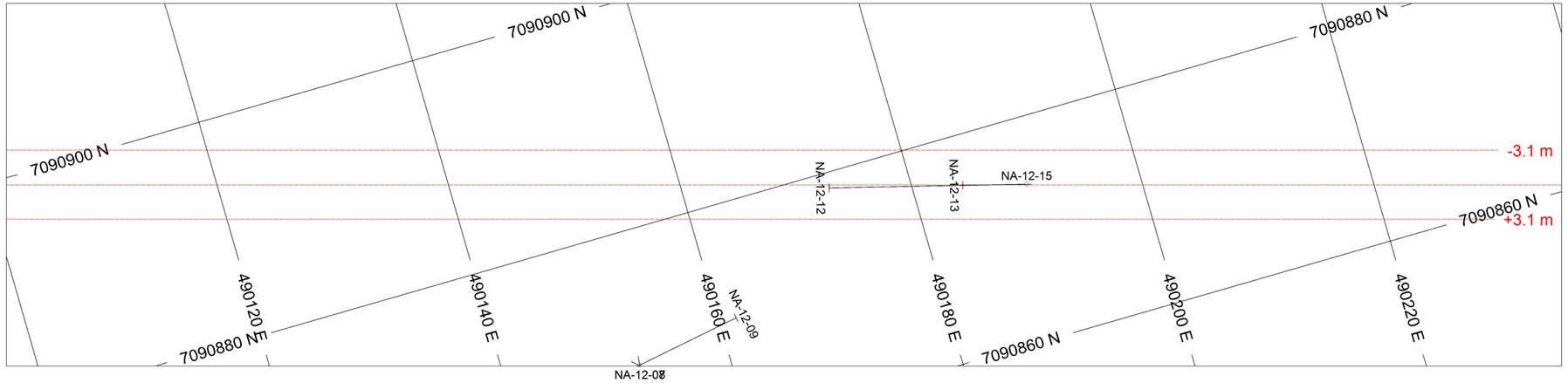
N W E S

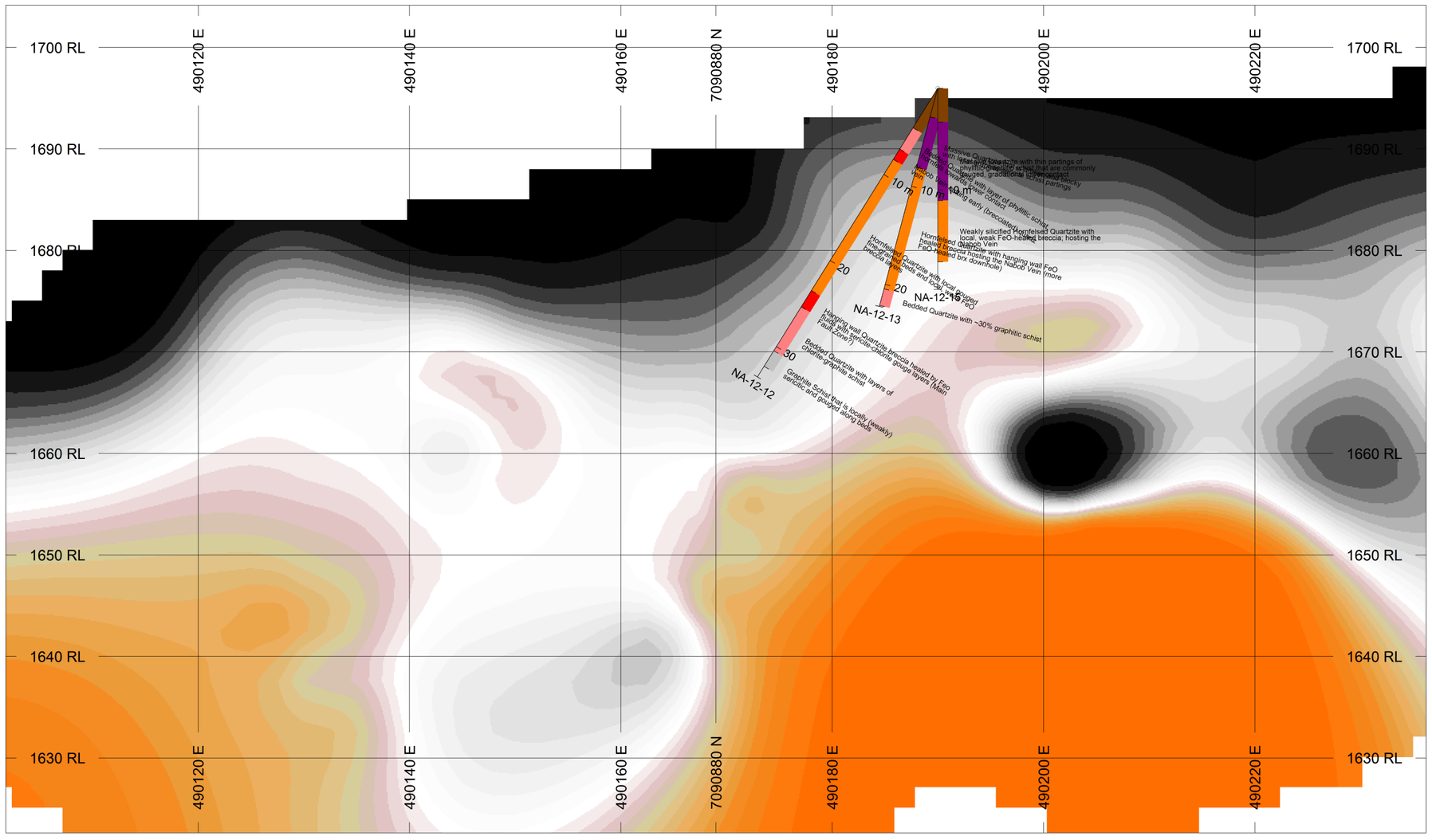
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 3

NA-12-12 NA-12-13 NA-12-15

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		NBVN	Nabob Vein

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490169 m	7090880 m
EXTENTS	139.9 m	81.53 m
SECTION TOP, BOT	1704 m	1623 m
TOLERANCE +/-	3.11 m	

SCALE 1 : 512.1

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 106.1°

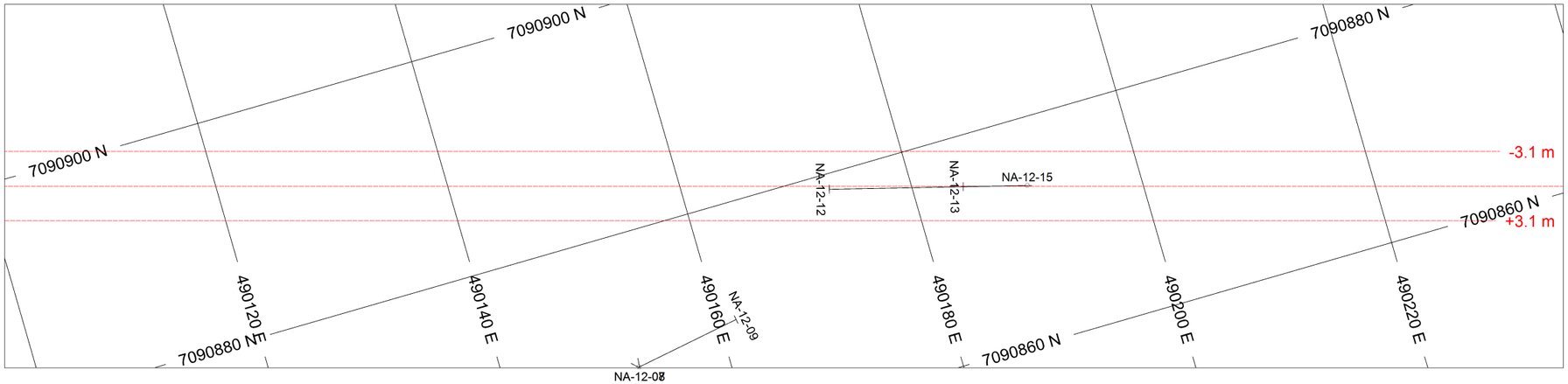
N W E S

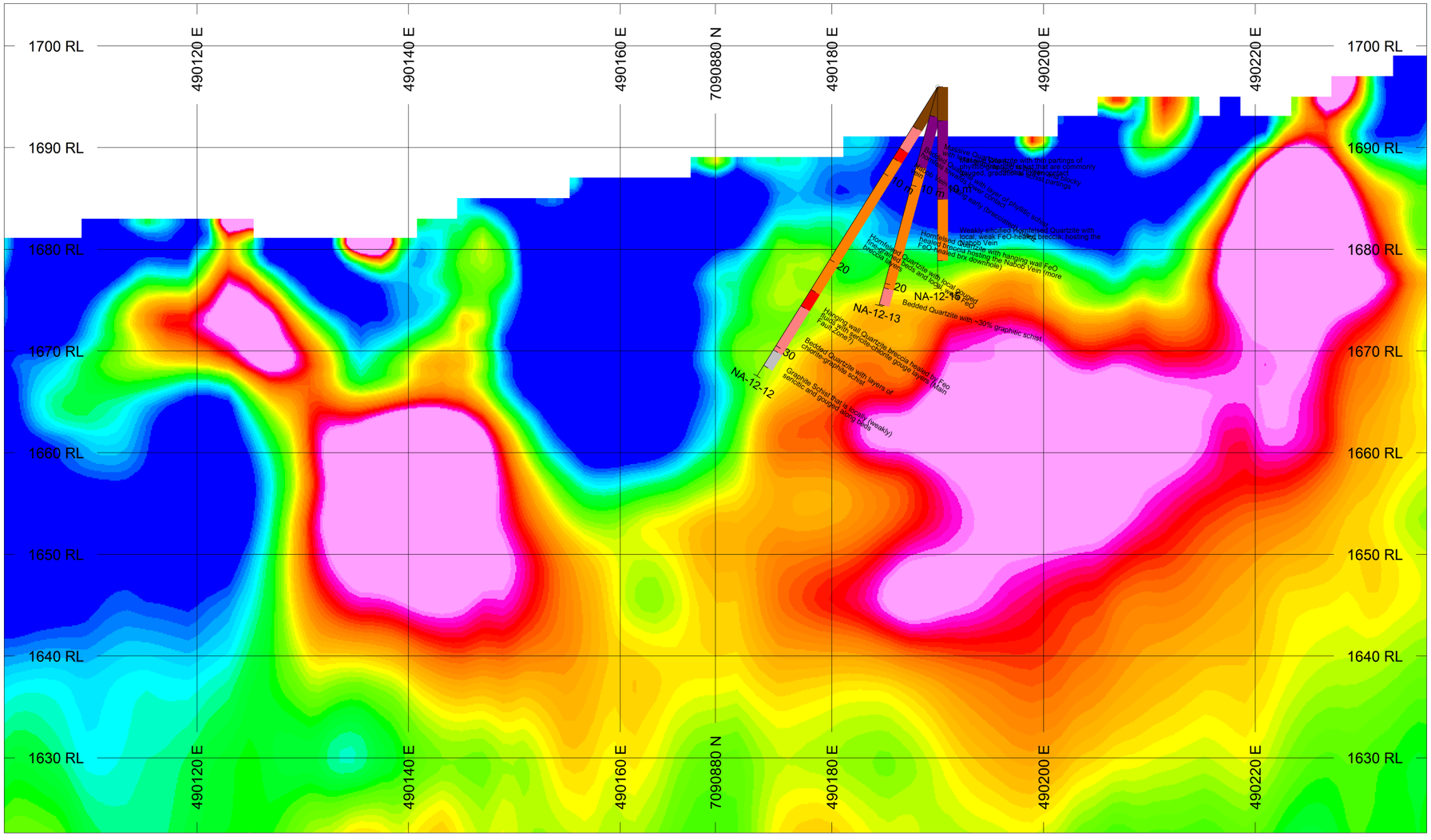
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 3

NA-12-12 NA-12-13 NA-12-15

VOXEL SLICE
Recovered Chargeability

COL	RANGE
	71.41025641
	66.02564103
	60.64102564
	55.25641026
	49.87179487
	44.48717949
	39.1025641
	33.71794872
	28.33333333
	22.94871795
	17.56410256
	12.17948718
	6.794871795

ROCK CODES Lithology	PAT	CODE	DESCRIPTION
		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		NBVN	Nabob Vein

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490169 m	7090880 m
EXTENTS	139.9 m	81.53 m
SECTION TOP, BOT	1704 m	1623 m
TOLERANCE +/-	3.11 m	

SCALE 1 : 512.1

(m)

-5 0 5 10 15 20 25

NAD83 / UTM zone 8N

AZIMUTH = 106.1°

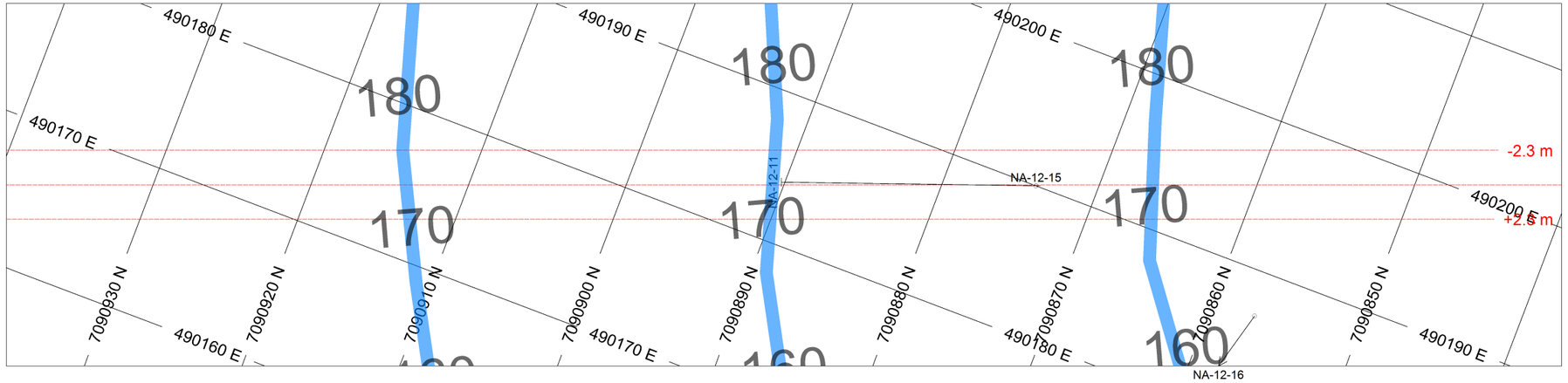
N W E S

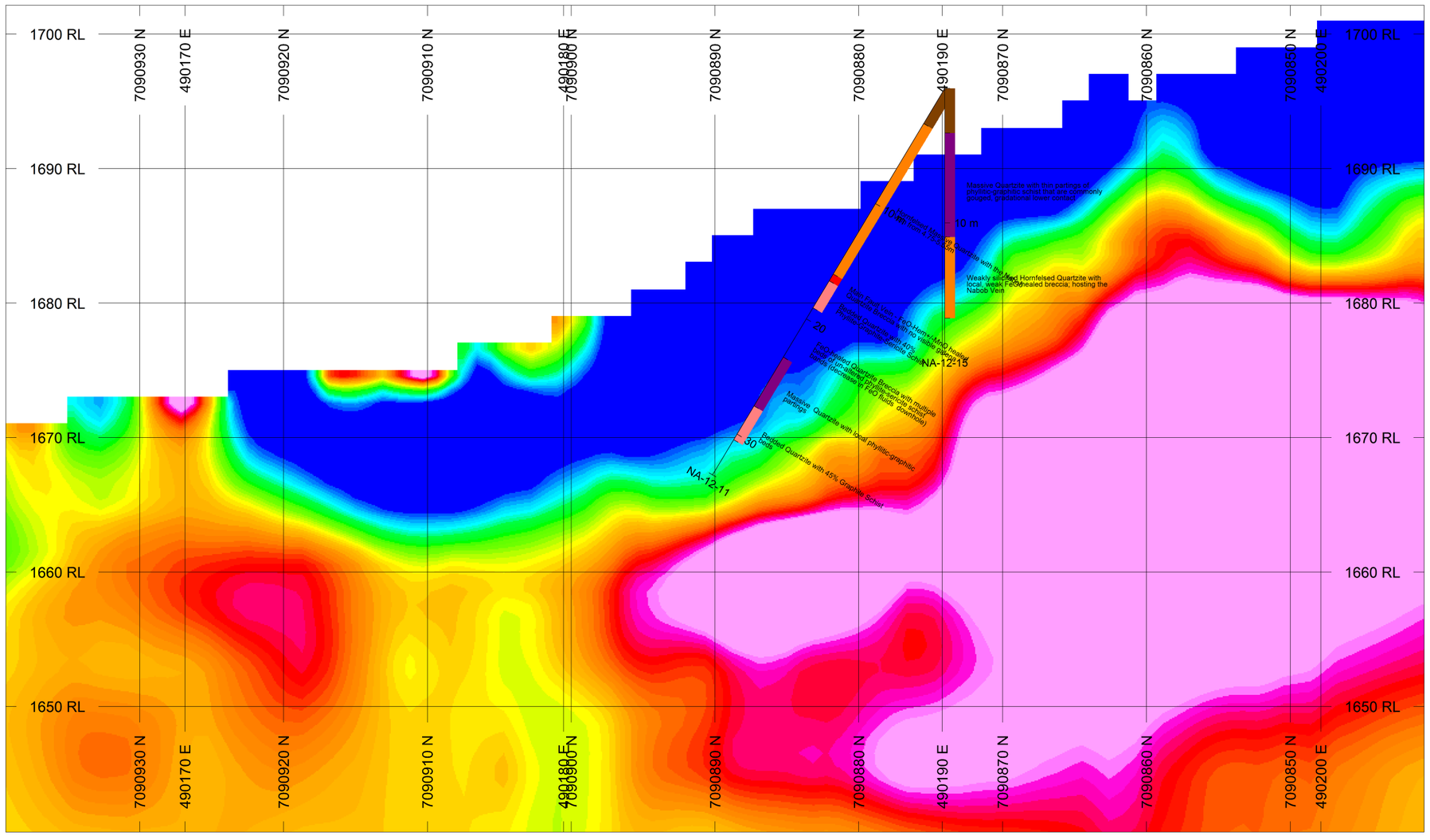
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 2

NA-12-11 NA-12-15

VOXEL SLICE
Recovered Chargeability

COL	RANGE
	71.41025641
	66.02564103
	60.64102564
	55.25641026
	49.87179487
	44.48717949
	39.1025641
	33.71794872
	28.33333333
	22.94871795
	17.56410256
	12.17948718
	6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490184 m	7090890 m
EXTENTS	105.5 m	61.48 m
SECTION TOP, BOT	1702 m	1641 m
TOLERANCE +/-	2.335 m	

SCALE 1 : 386.1

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

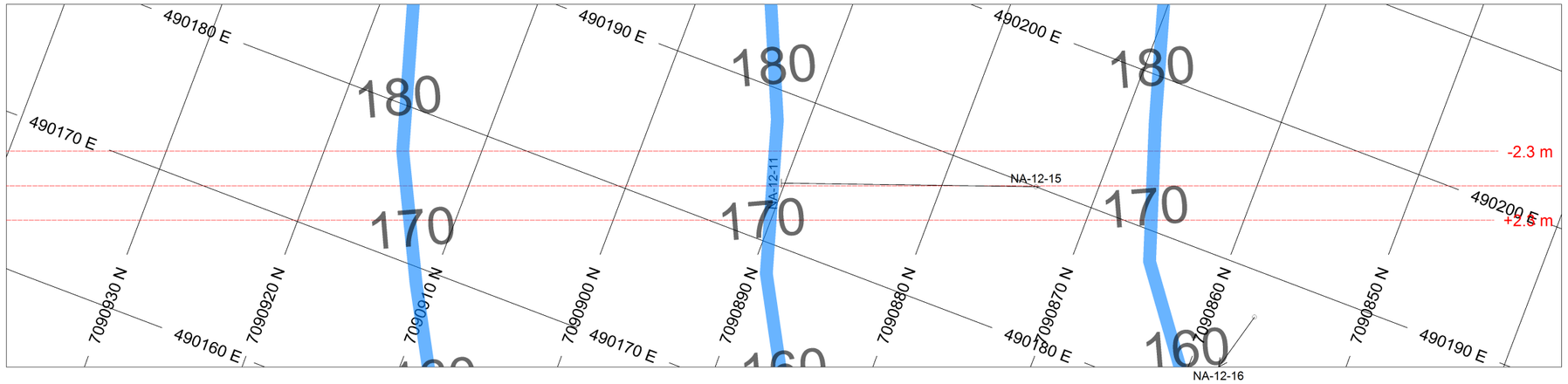
N W E S

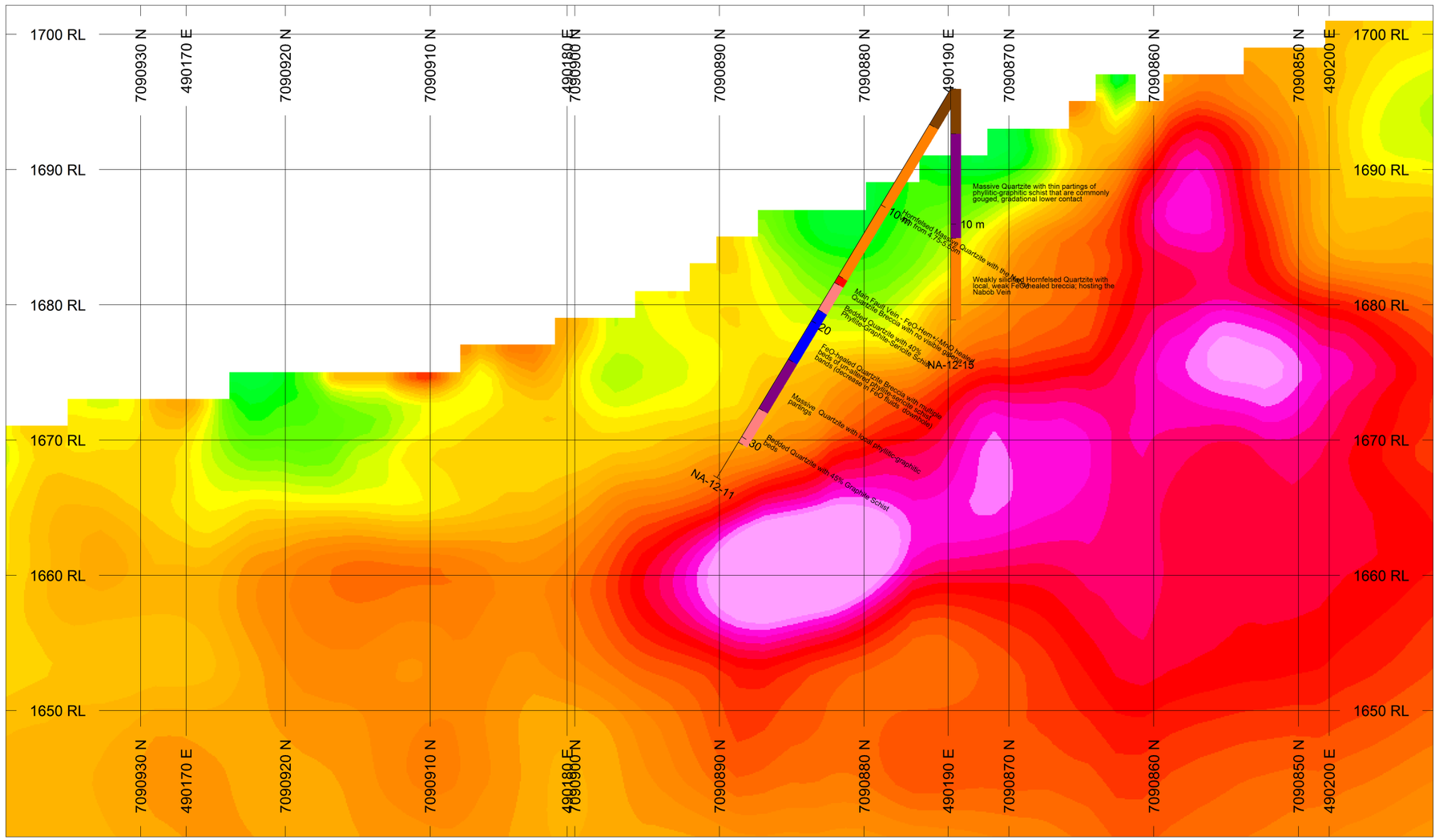
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 2

NA-12-11 NA-12-15

VOXEL SLICE	COL	RANGE
Zeta		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490184 m	7090890 m
EXTENTS	105.5 m	61.48 m
SECTION TOP, BOT	1702 m	1641 m
TOLERANCE +/-	2.335 m	

SCALE 1 : 386.1

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

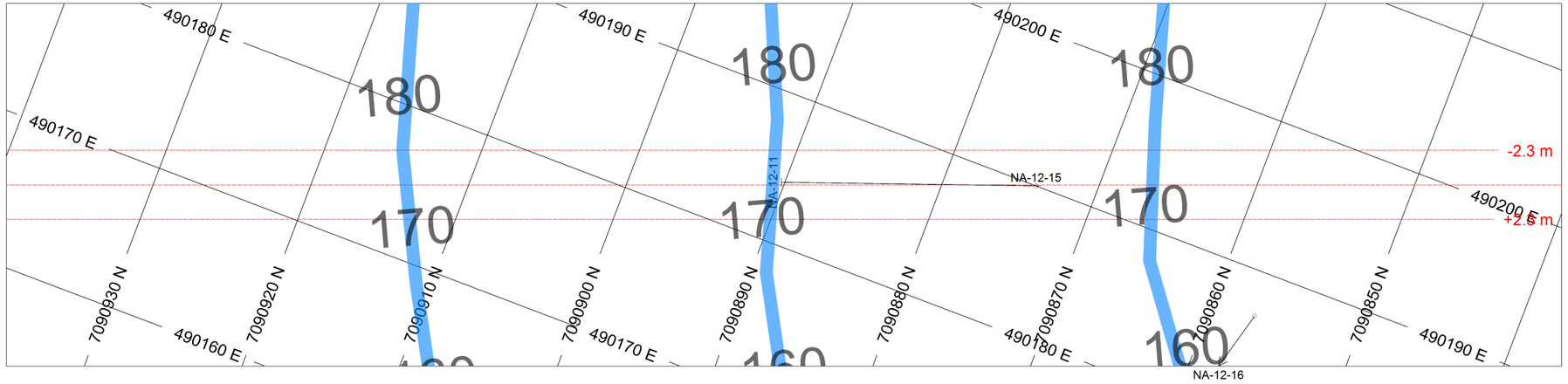
N W E S

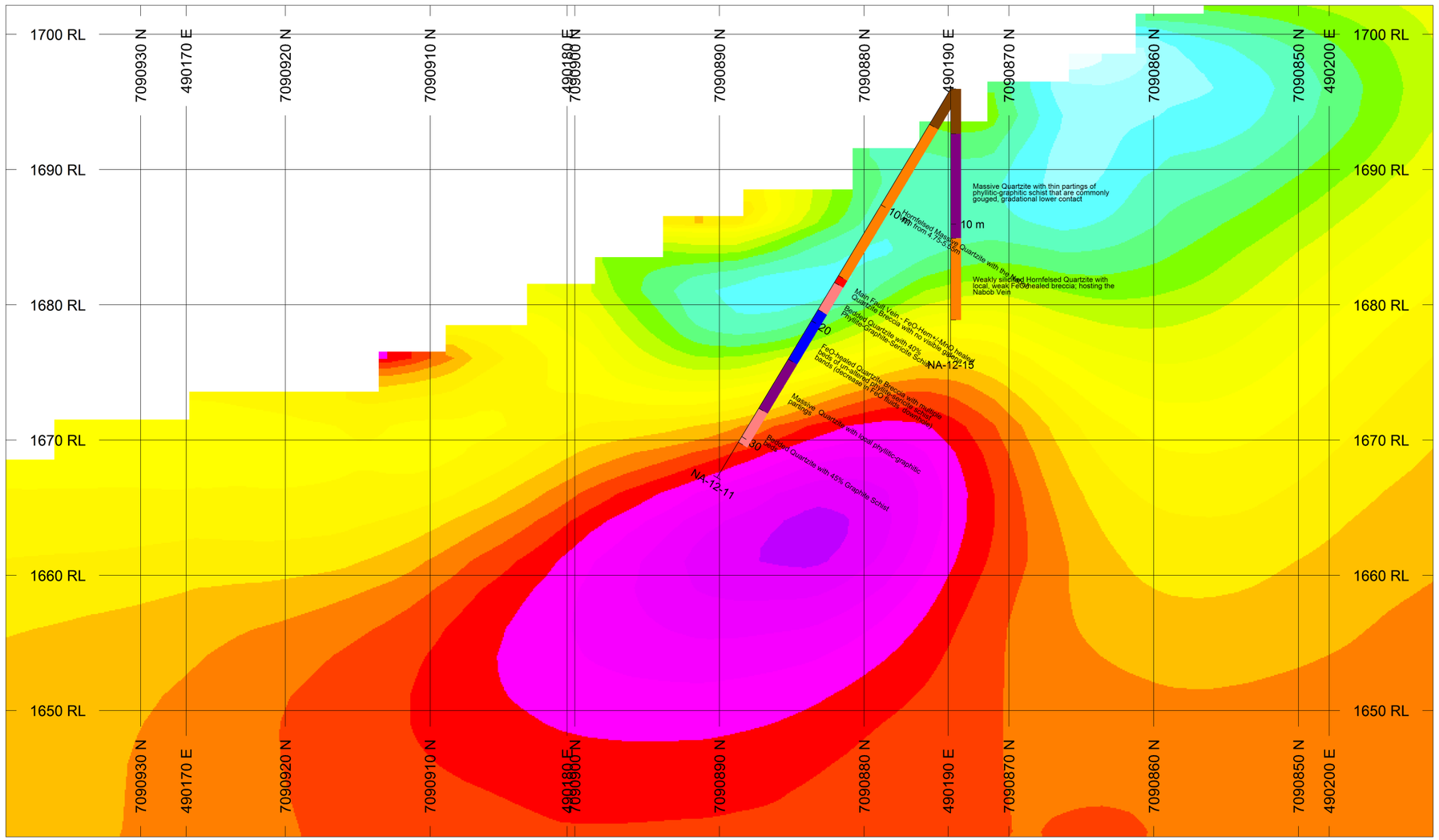
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 2

NA-12-11 NA-12-15

VOXEL SLICE
Recovered Resistivity

COL	RANGE
	57543.99373
	33113.11215
	19054.60718
	10964.78196
	6309.573445
	3630.780548
	2089.296131
	1202.264435
	691.8309709
	398.1071706
	229.0867653
	131.8256739

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490184 m	7090890 m
EXTENTS	105.5 m	61.48 m
SECTION TOP, BOT	1702 m	1641 m
TOLERANCE +/-	2.335 m	

SCALE 1 : 386.1

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

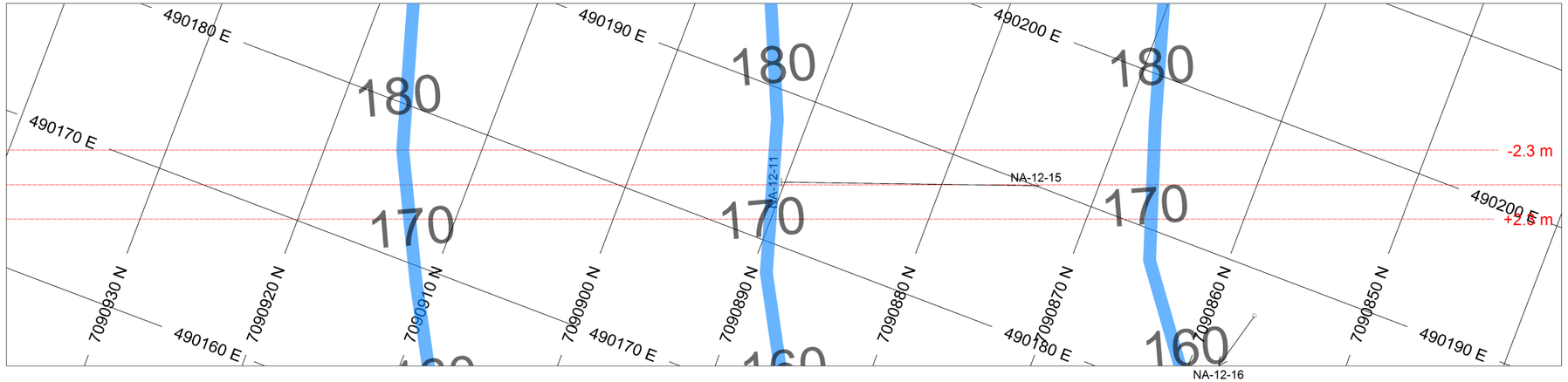
N W E S

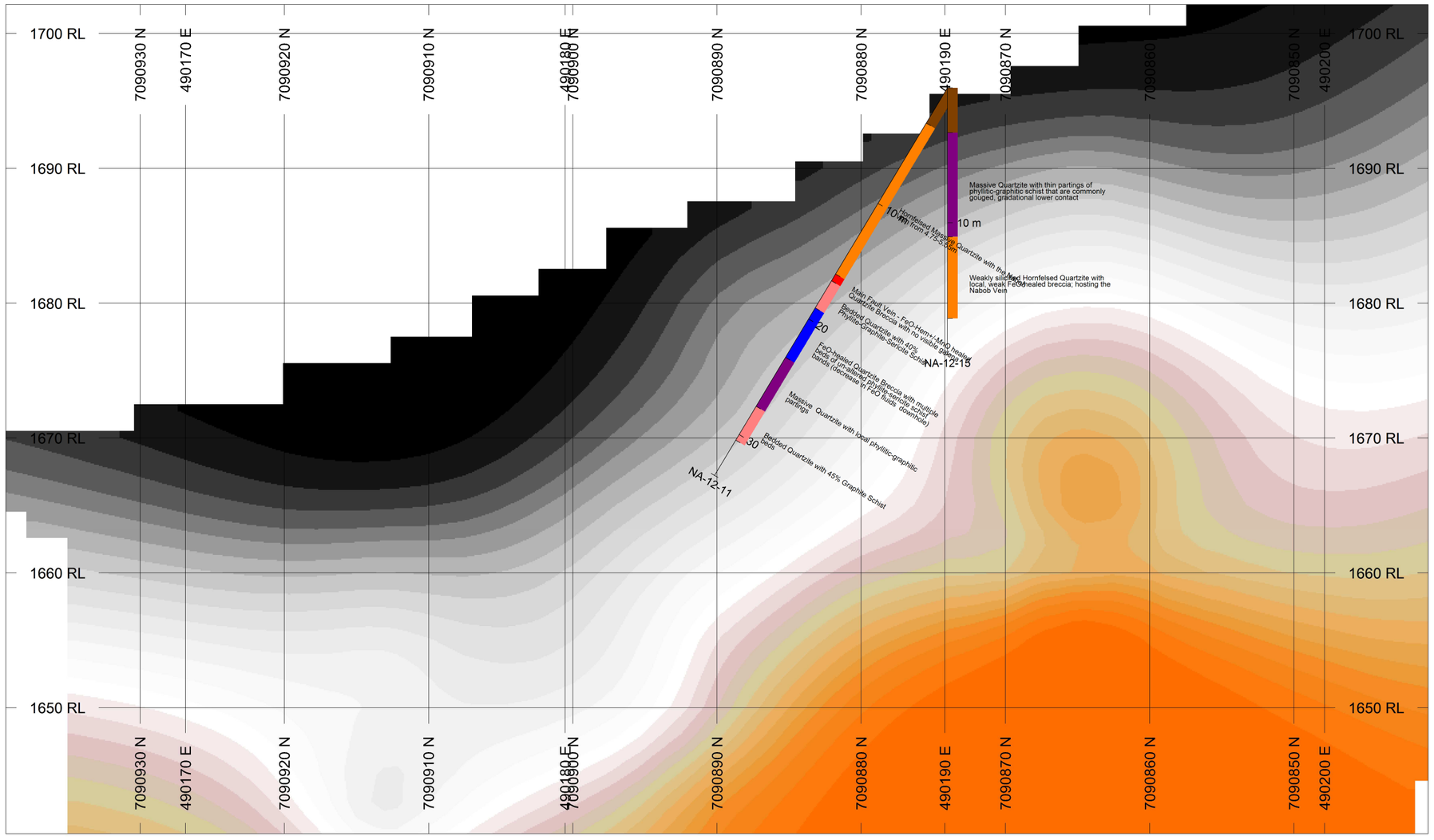
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 2

NA-12-11 NA-12-15

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490184 m	7090890 m
EXTENTS	105.5 m	61.48 m
SECTION TOP, BOT	1702 m	1641 m
TOLERANCE +/-	2.335 m	

SCALE 1 : 386.1

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

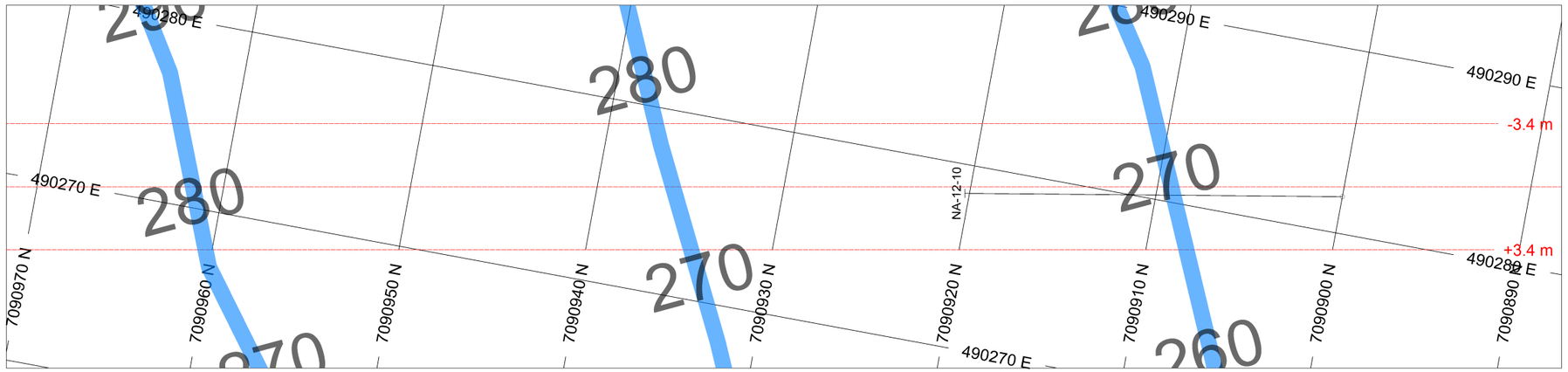
N W E S

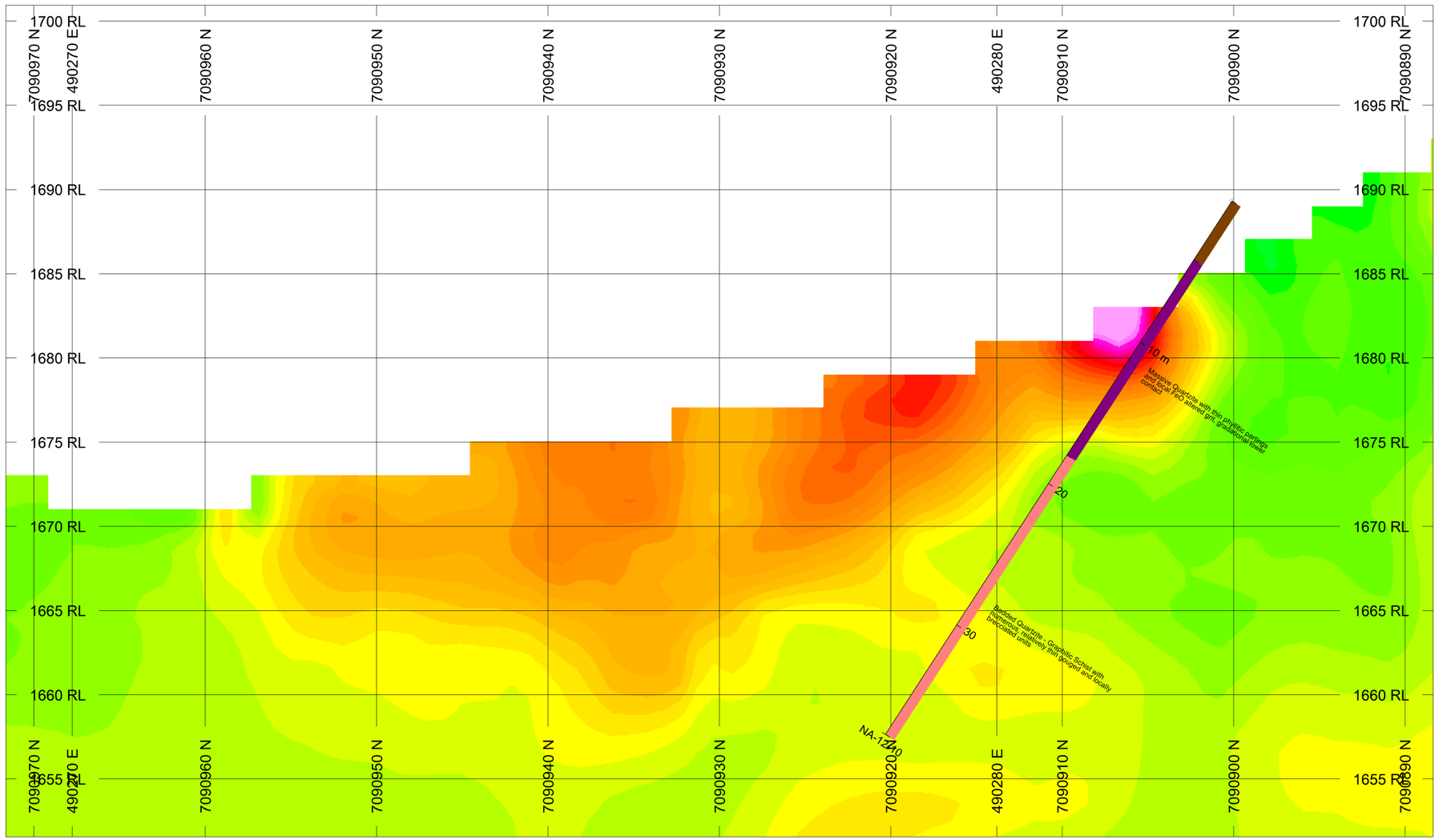
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-10

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490277 m	7090930 m
EXTENTS	84.7 m	49.36 m
SECTION TOP, BOT	1701 m	1652 m
TOLERANCE +/-	3.43 m	

SCALE 1 : 310

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 169.5°

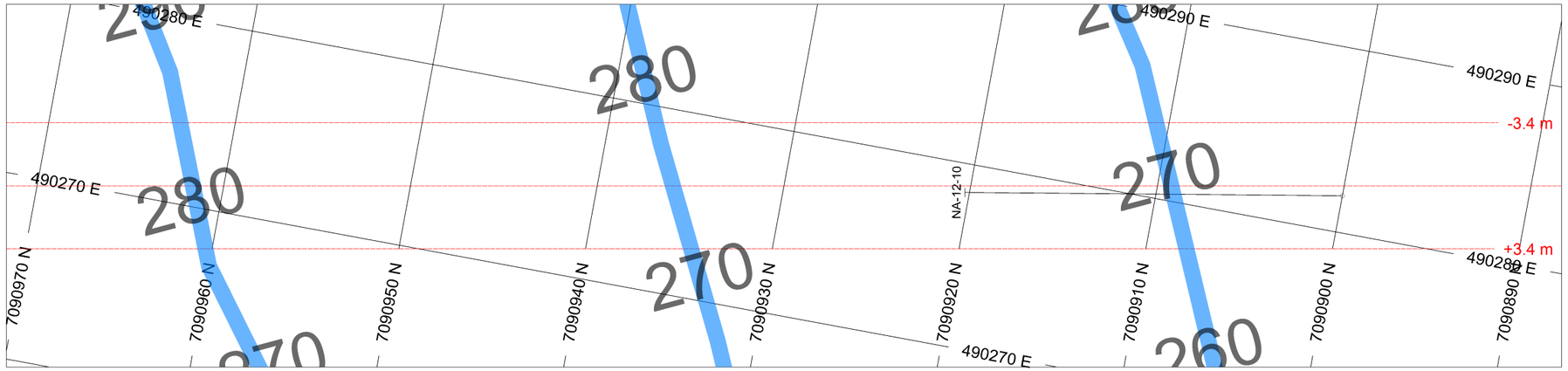
N W E S

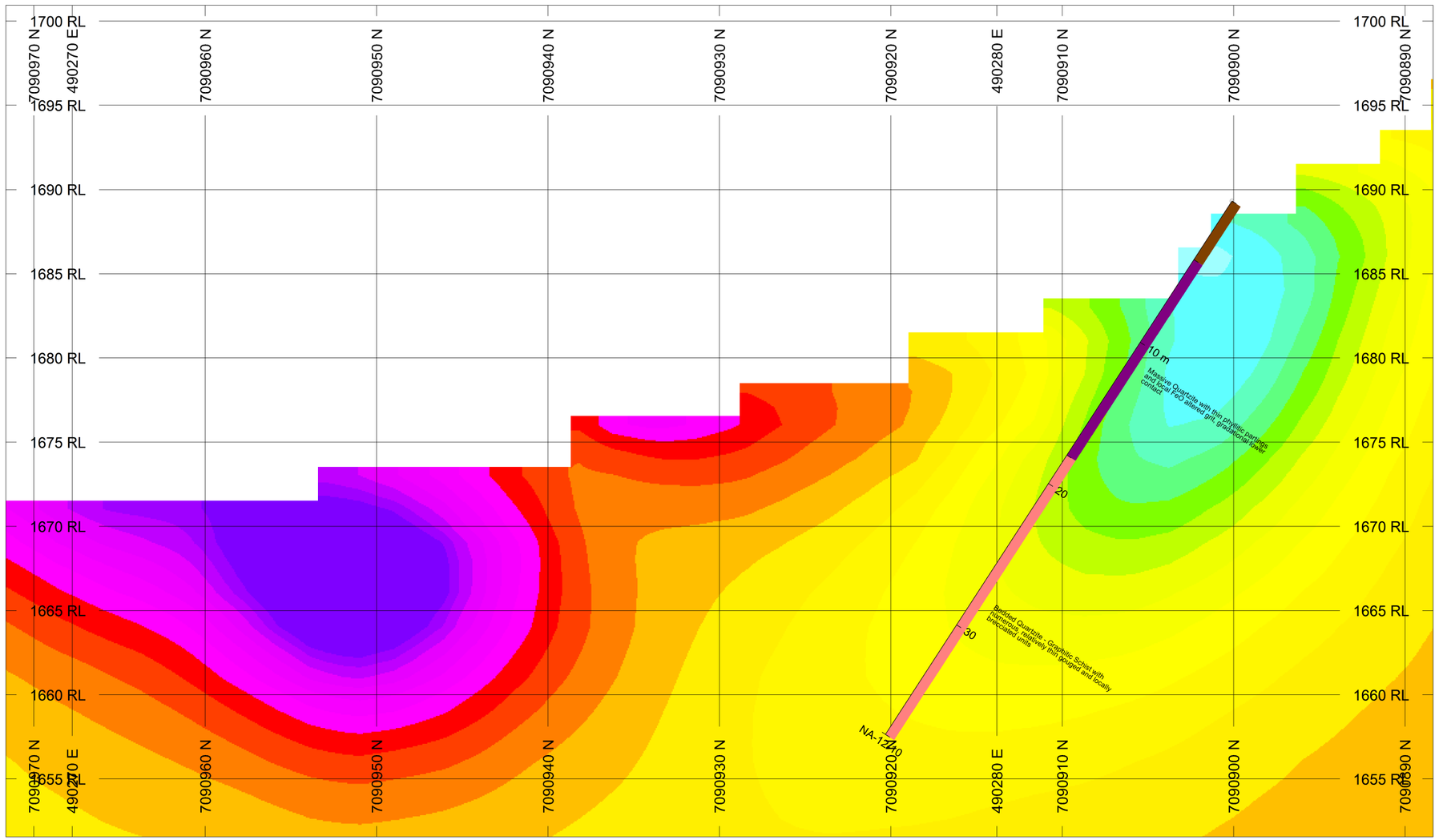
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-10

VOXEL SLICE	COL	RANGE
Recovered Resistivity		57543.99373
		33113.11215
		19054.60718
		10964.78196
		6309.573445
		3630.780548
		2089.296131
		1202.264435
		691.8309709
		398.1071706
		229.0867653
		131.8256739

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490277 m	7090930 m
EXTENTS	84.7 m	49.36 m
SECTION TOP, BOT	1701 m	1652 m
TOLERANCE +/-	3.43 m	

SCALE 1 : 310

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 169.5°

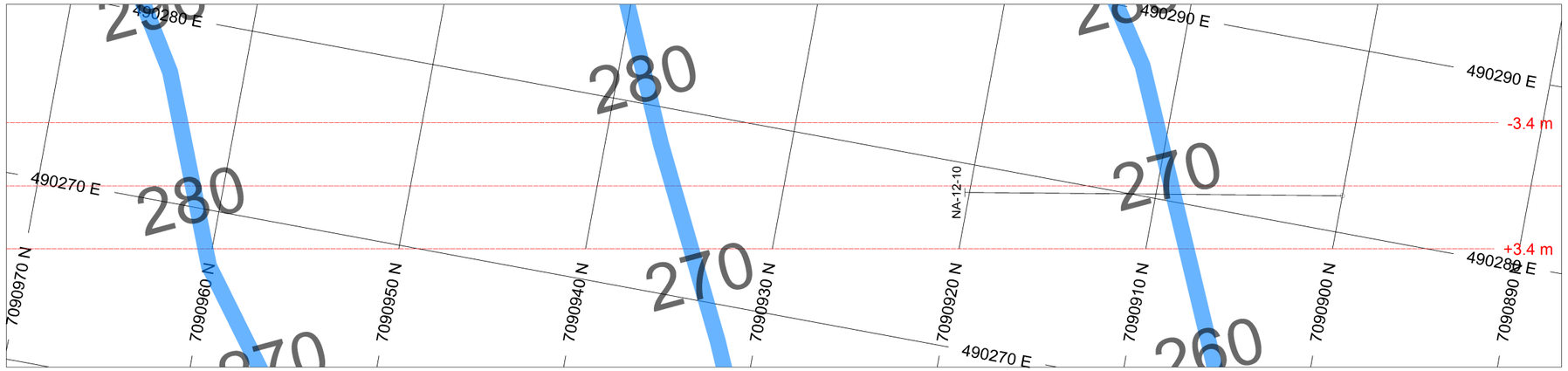
N W E S

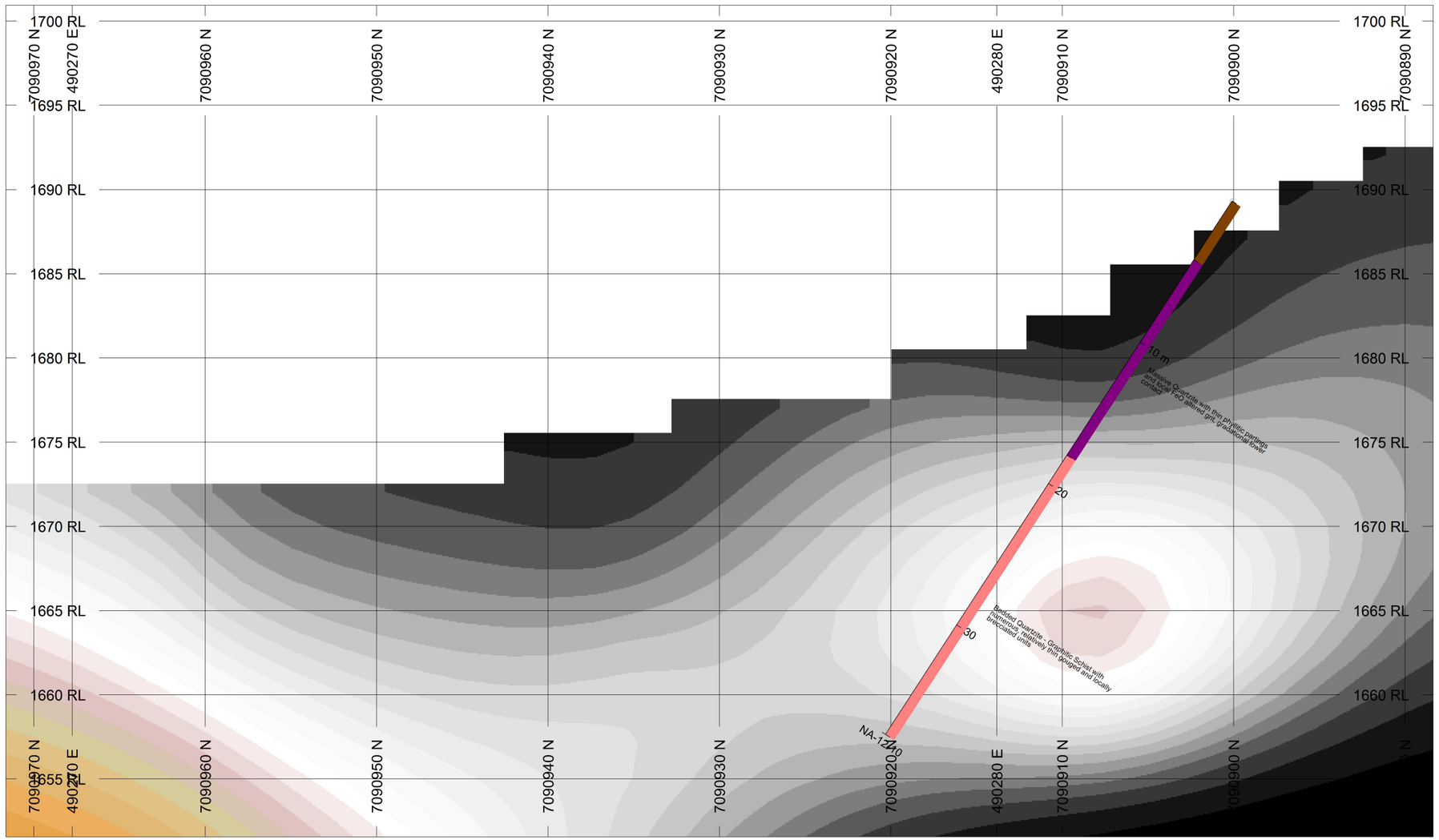
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 1

NA-12-10

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490277 m	7090930 m
EXTENTS	84.7 m	49.36 m
SECTION TOP, BOT	1701 m	1652 m
TOLERANCE +/-	3.43 m	

SCALE 1 : 310

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 169.5°

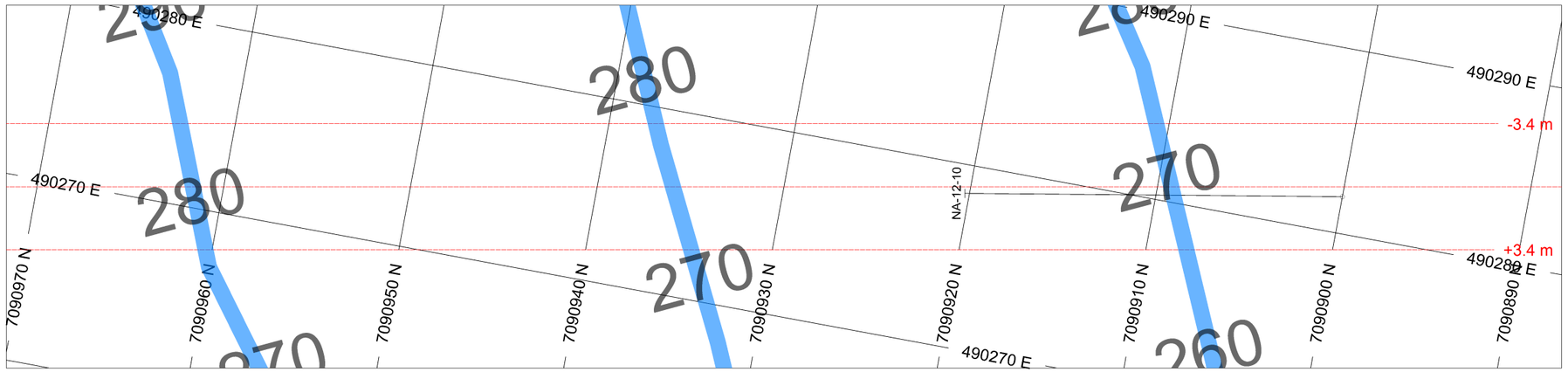
N W E S

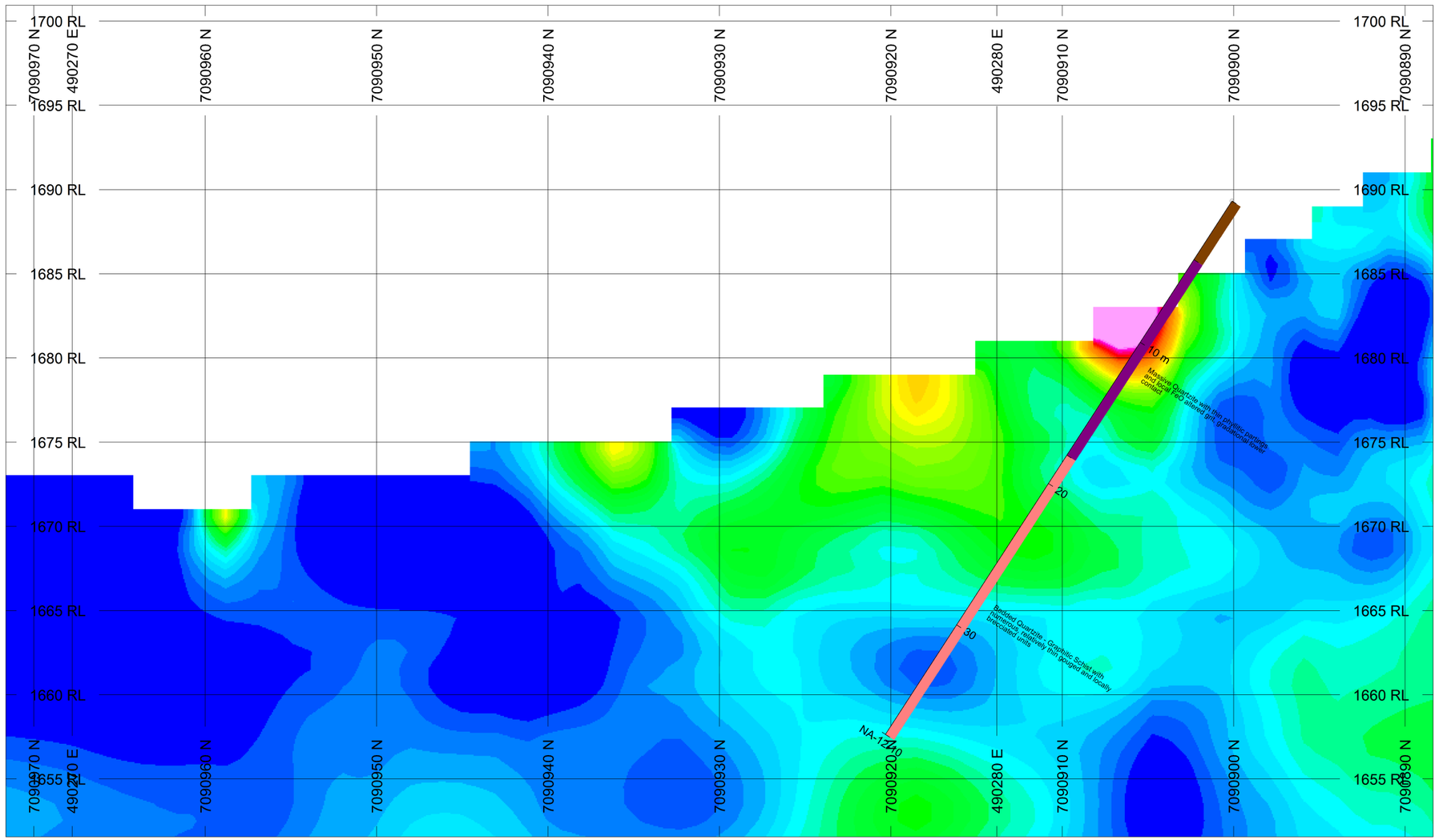
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-10

VOXEL SLICE	COL	RANGE
Recovered Chargeability		71.41025641
		66.02564103
		60.64102564
		55.25641026
		49.87179487
		44.48717949
		39.1025641
		33.71794872
		28.33333333
		22.94871795
		17.56410256
		12.17948718
		6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		BQTZT	Bedded Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490277 m	7090930 m
EXTENTS	84.7 m	49.36 m
SECTION TOP, BOT	1701 m	1652 m
TOLERANCE +/-	3.43 m	

SCALE 1 : 310

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 169.5°

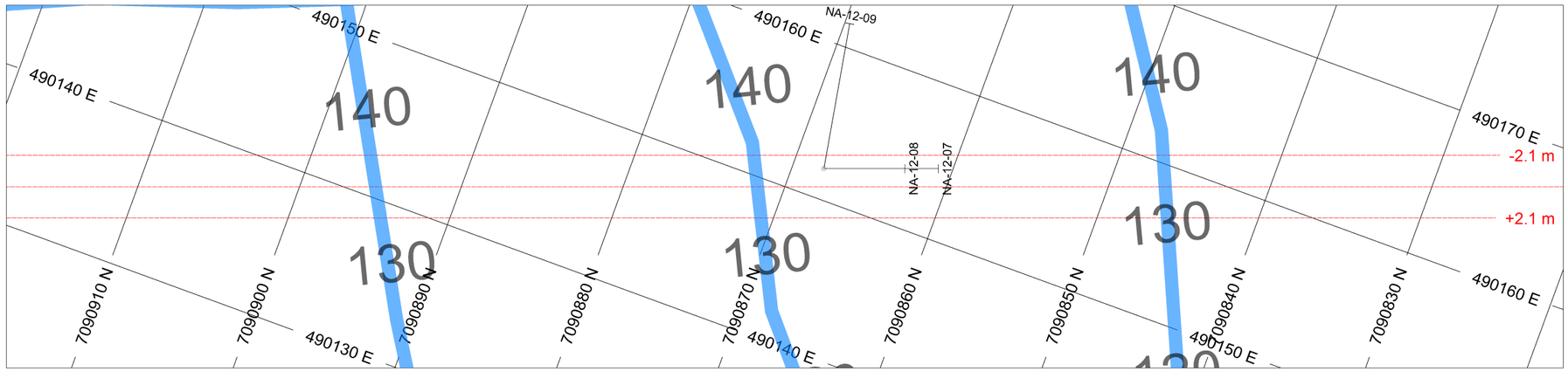
N W E S

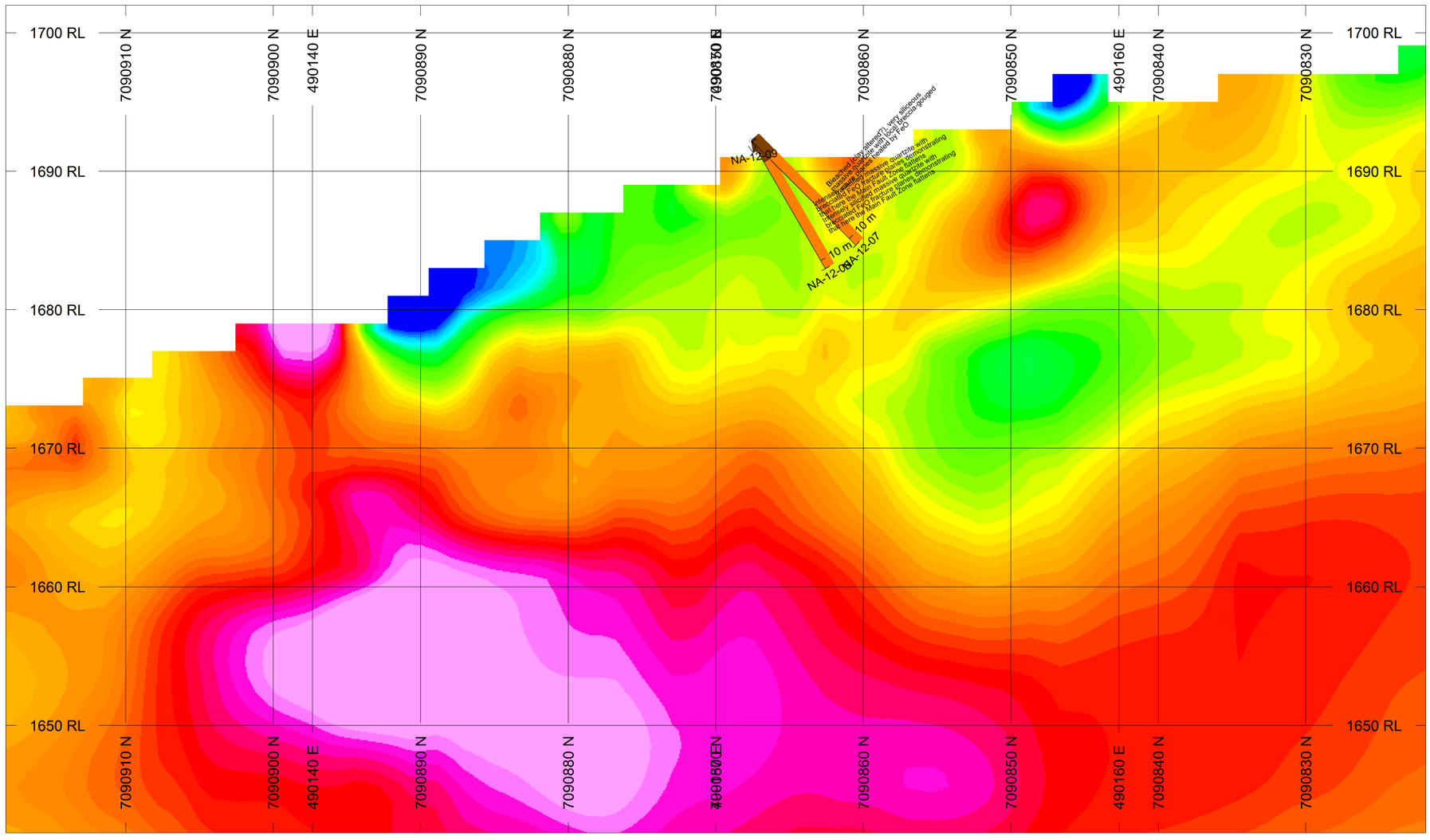
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 3

NA-12-07 NA-12-08 NA-12-09

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490150 m	7090870 m
EXTENTS	102.5 m	59.73 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.07 m	

SCALE 1 : 375.2

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.9°

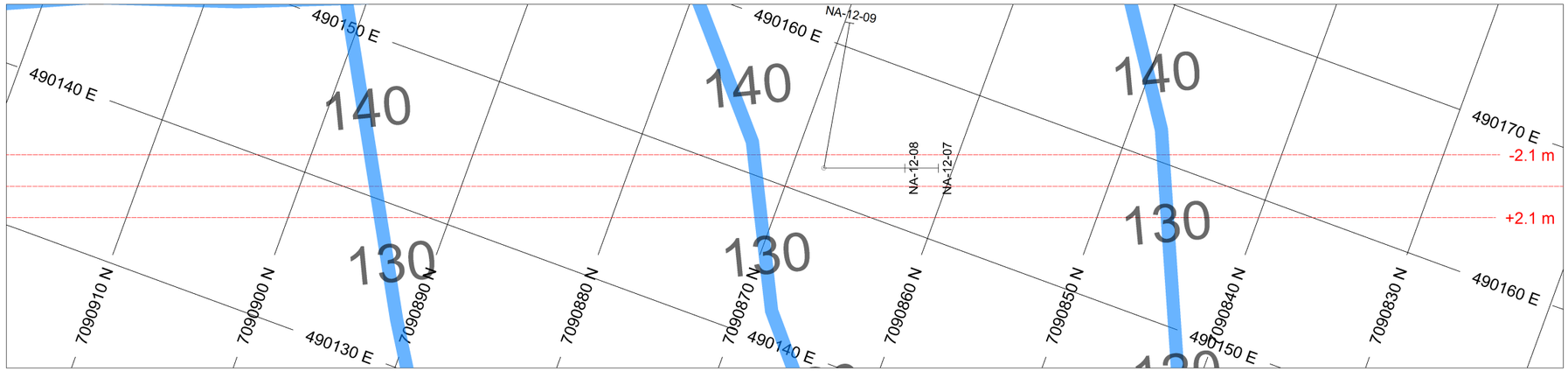
N W E S

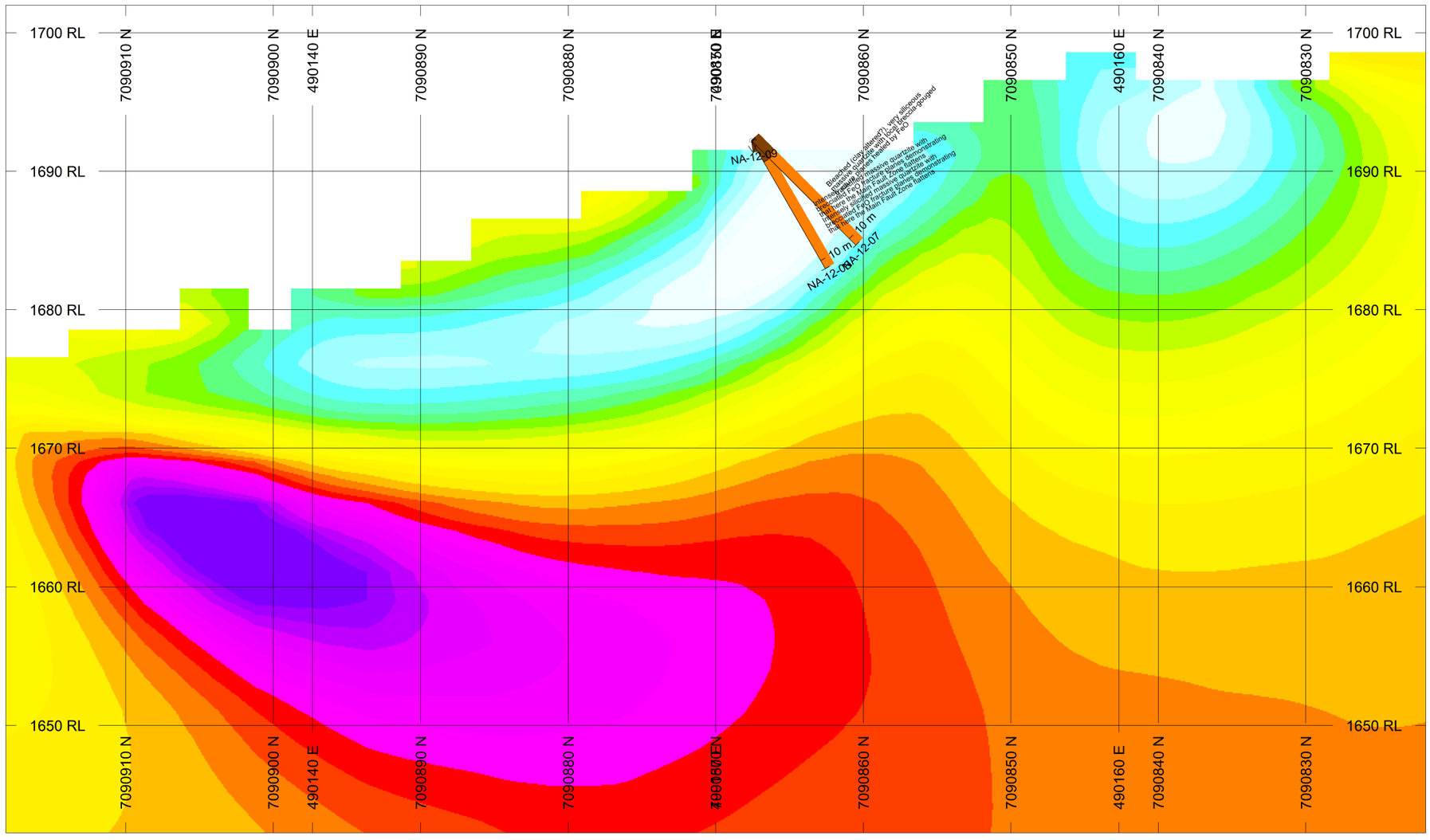
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 3

NA-12-07 NA-12-08 NA-12-09

VOXEL SLICE	COL	RANGE
Recovered Resistivity		57543.99373
		33113.11215
		19054.60718
		10964.78196
		6309.573445
		3630.780548
		2089.296131
		1202.264435
		691.8309709
		398.1071706
		229.0867653
		131.8256739

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490150 m	7090870 m
EXTENTS	102.5 m	59.73 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.07 m	

SCALE 1 : 375.2

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.9°

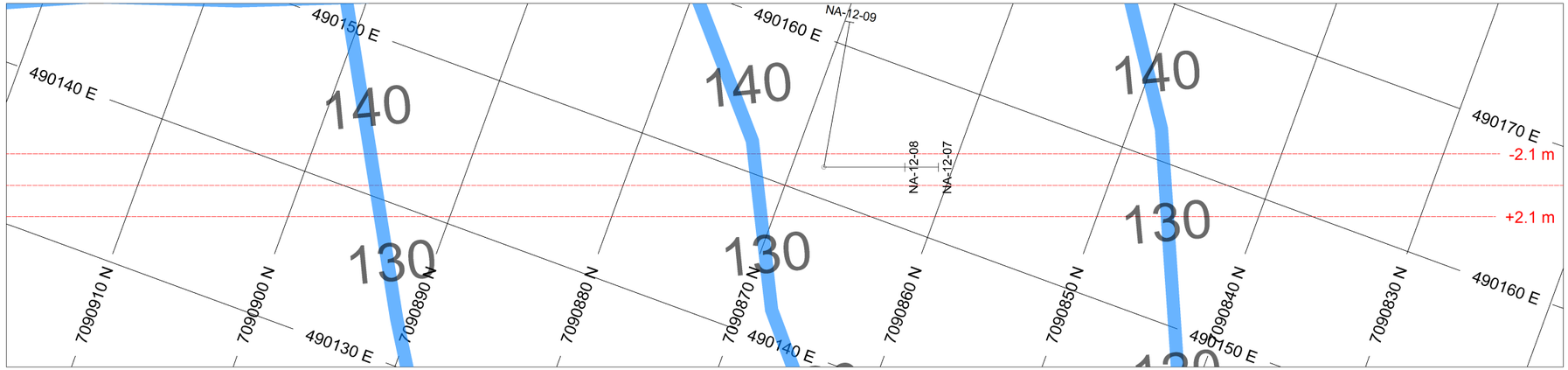
N W E S

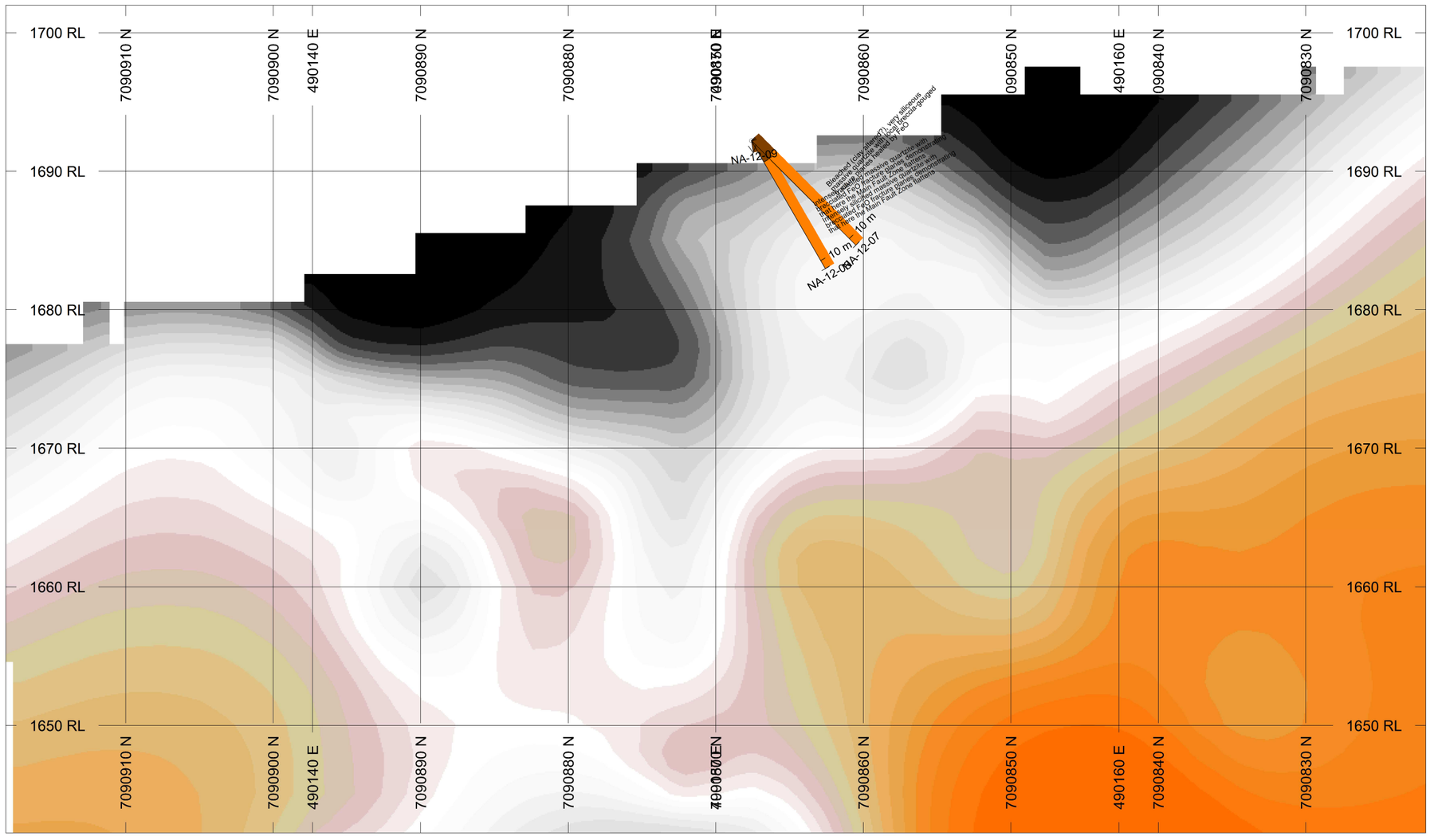
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 3

NA-12-07 NA-12-08 NA-12-09

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490150 m	7090870 m
EXTENTS	102.5 m	59.73 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.07 m	

SCALE 1 : 375.2

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.9°

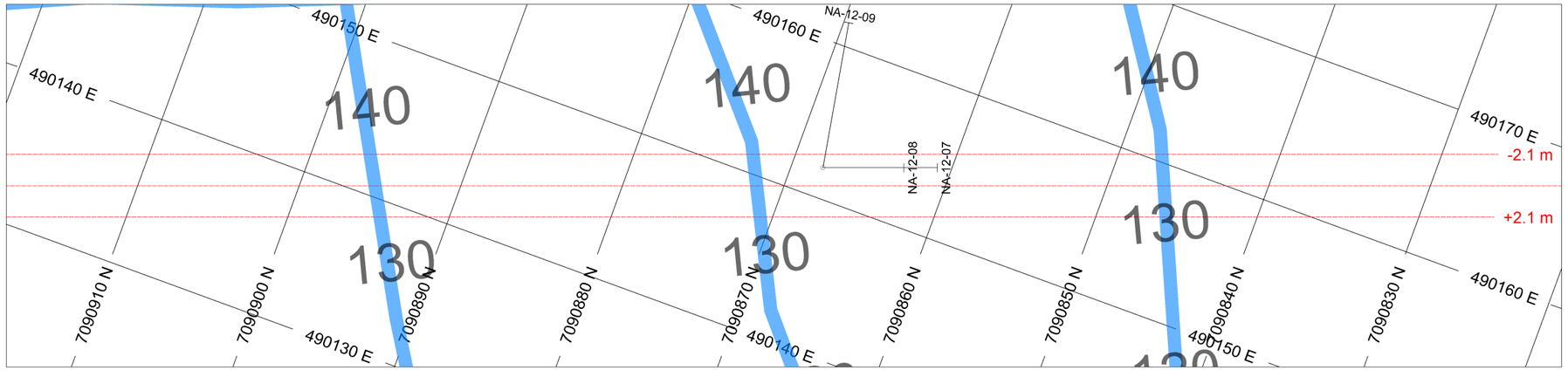
N W E S

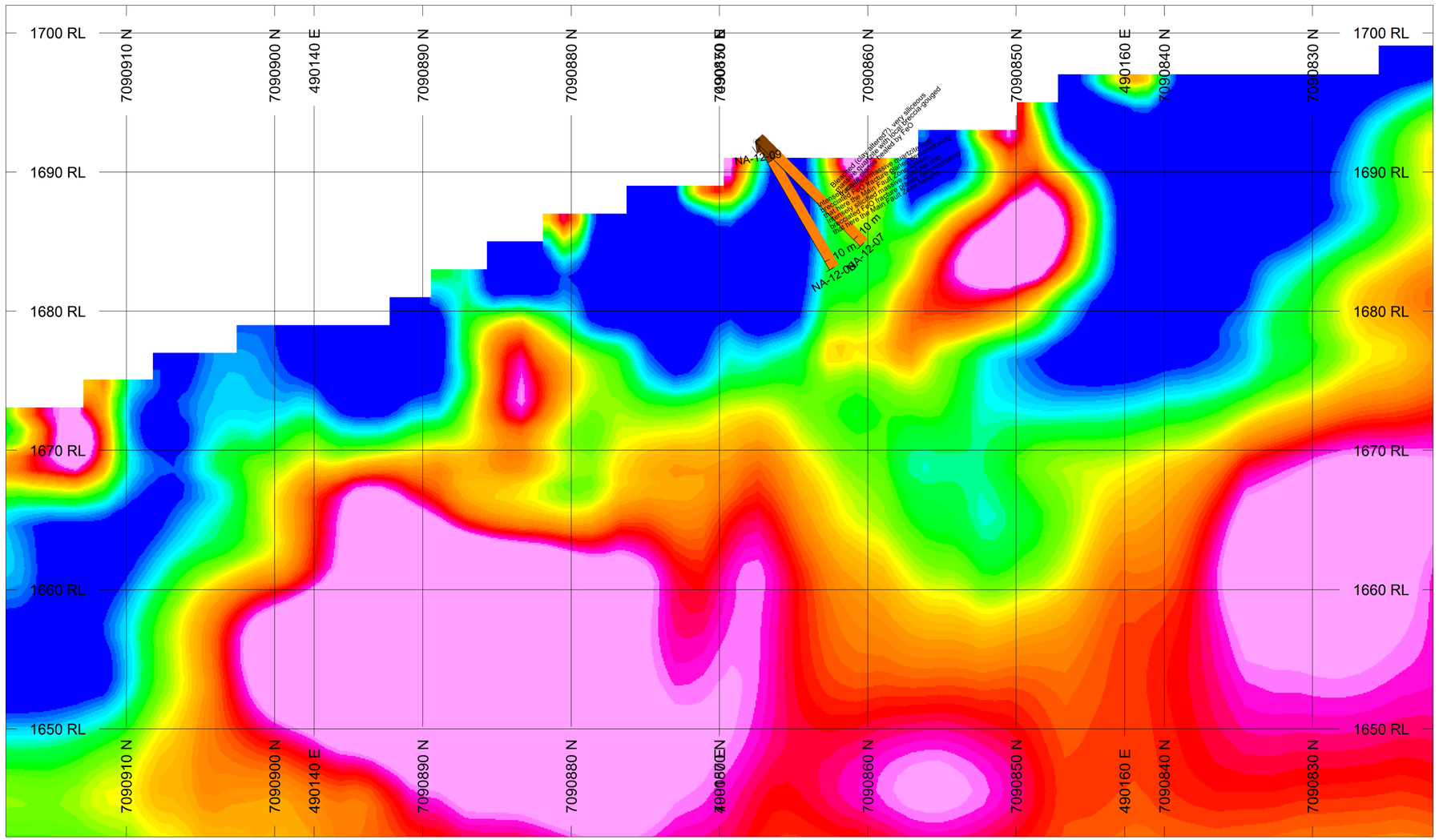
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 3

NA-12-07 NA-12-08 NA-12-09

VOXEL SLICE
Recovered Chargeability

COL	RANGE
	71.41025641
	66.02564103
	60.64102564
	55.25641026
	49.87179487
	44.48717949
	39.1025641
	33.71794872
	28.33333333
	22.94871795
	17.56410256
	12.17948718
	6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490150 m	7090870 m
EXTENTS	102.5 m	59.73 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.07 m	

SCALE 1 : 375.2

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.9°

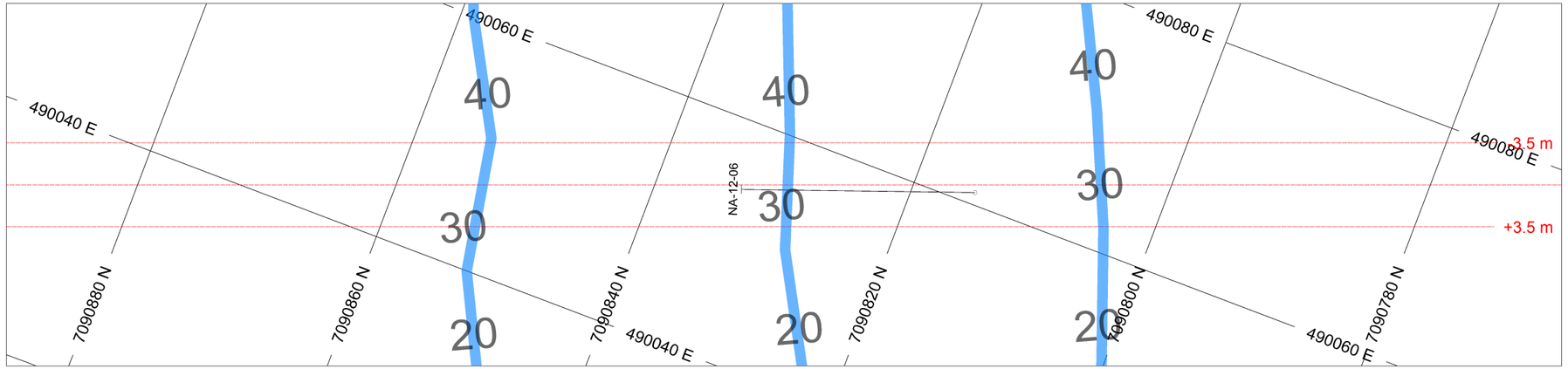
N W E S

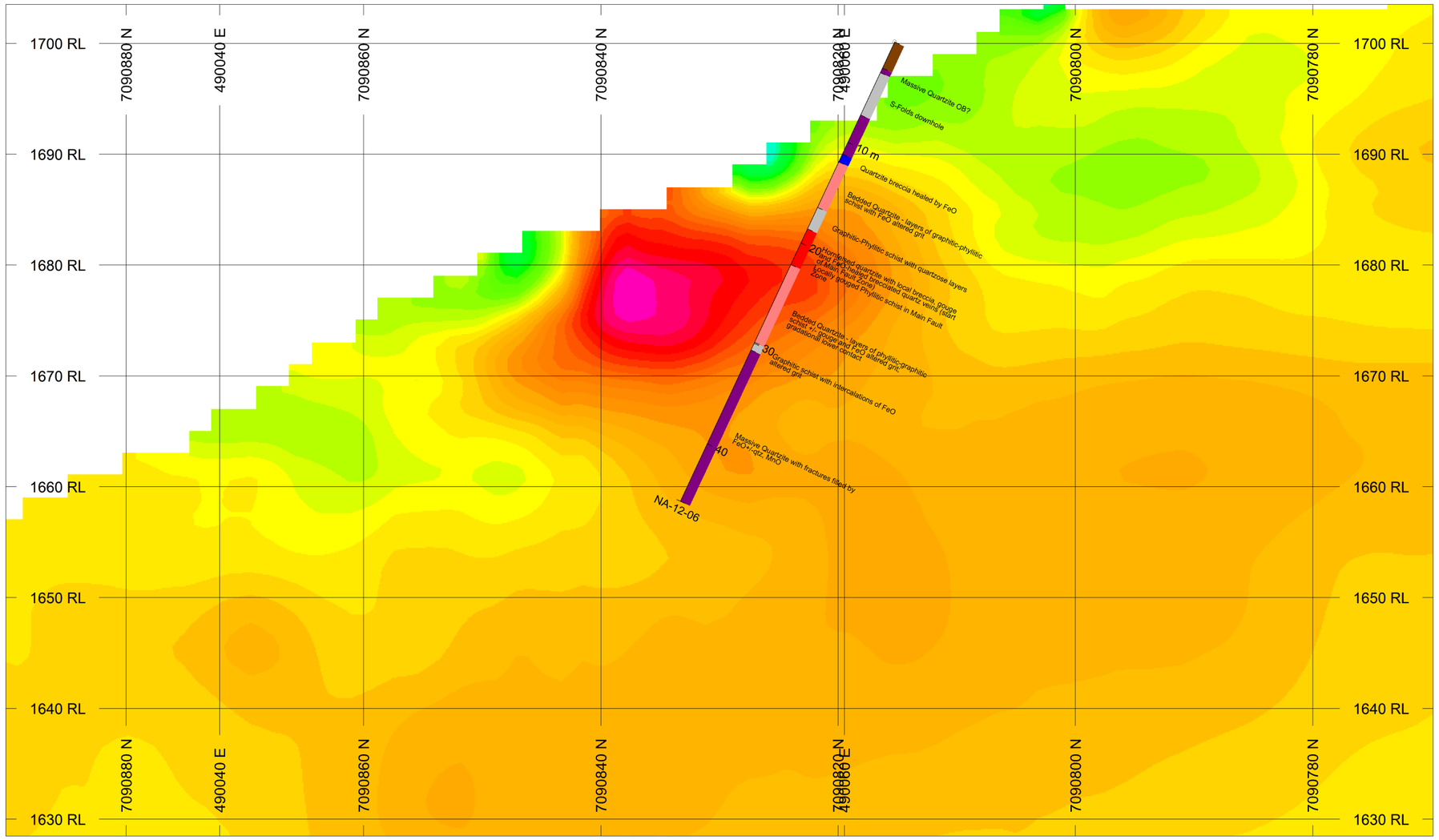
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 1

NA-12-06

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		PGSCH	Phyllitic-Graphitic Schist
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490056 m	7090830 m
EXTENTS	128.7 m	75 m
SECTION TOP, BOT	1704 m	1629 m
TOLERANCE +/-	3.47 m	

SCALE 1 : 471.1

(m)

-5 0 5 10 15 20

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

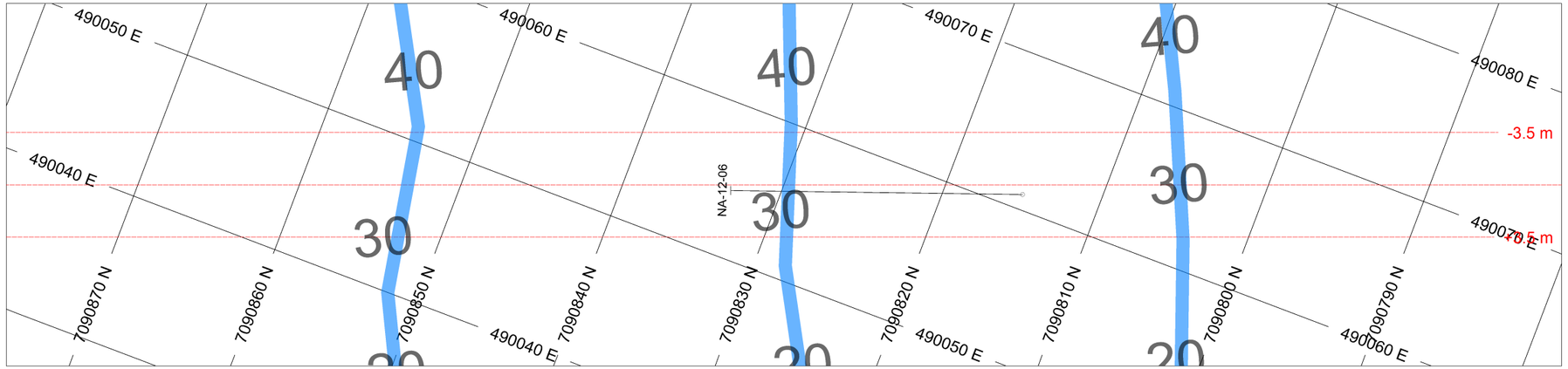
N W E S

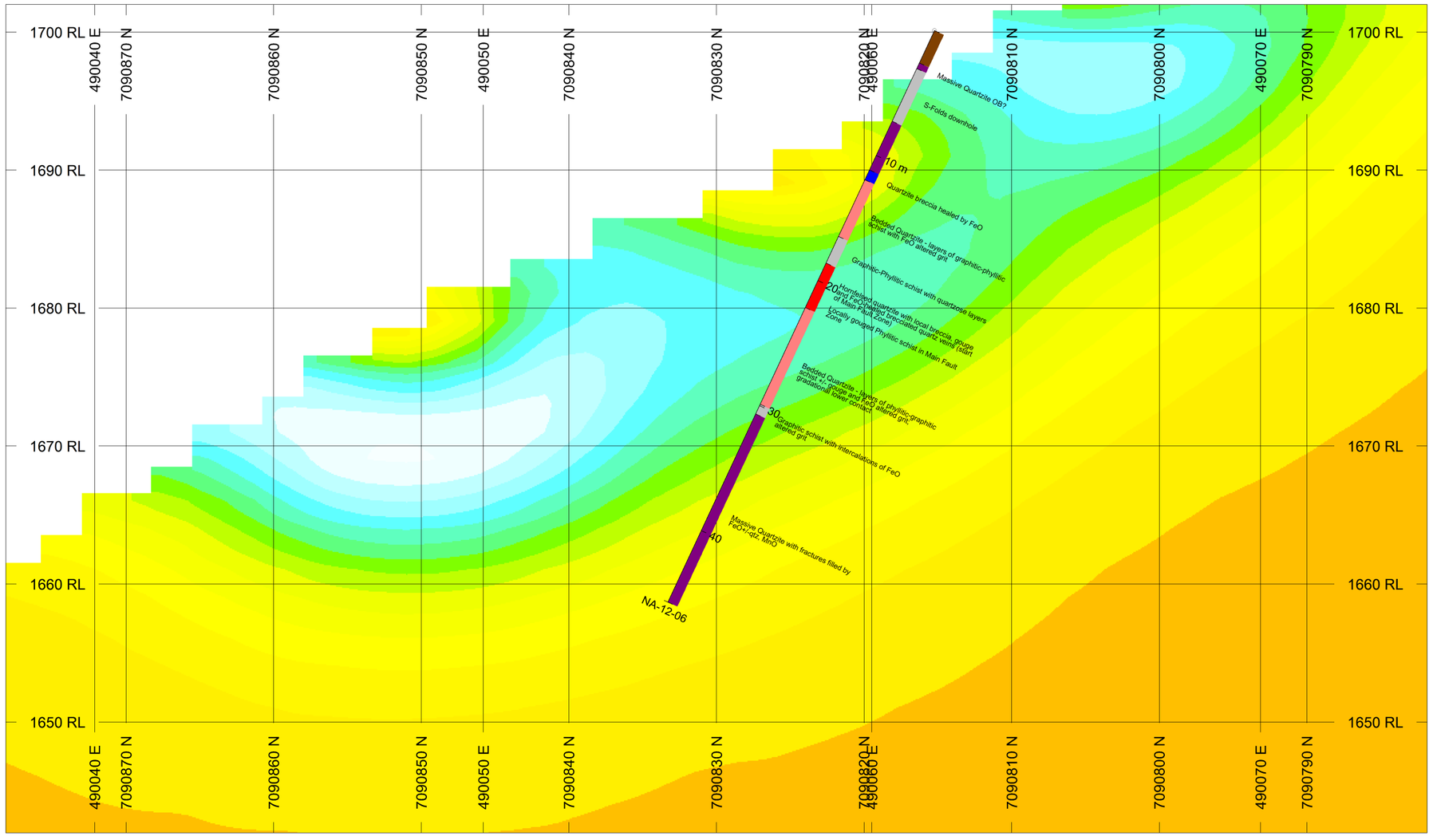
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Psedo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-06

VOXEL SLICE
Recovered Resistivity

COL	RANGE
	57543.99373
	33113.11215
	19054.60718
	10964.78196
	6309.573445
	3630.780548
	2089.296131
	1202.264435
	691.8309709
	398.1071706
	229.0867653
	131.8256739

ROCK CODES
Lithology

PAT	CODE	DESCRIPTION
	OB	Overburden
	QTZT	Quartzite
	GSCH	Graphitic Schist
	MFZVN	Main Faul Zone Vein
	PGSCH	Phyllitic-Graphitic Schist
	BQTZT	Bedded Quartzite
	BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490056 m	7090830 m
EXTENTS	103 m	60.03 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	3.47 m	

SCALE 1 : 377

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

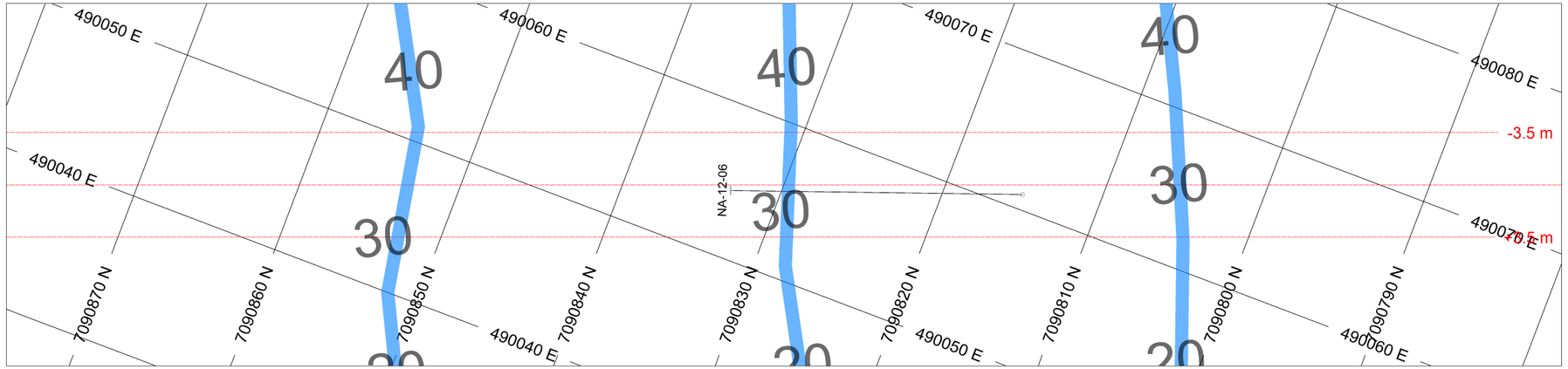
N W E S

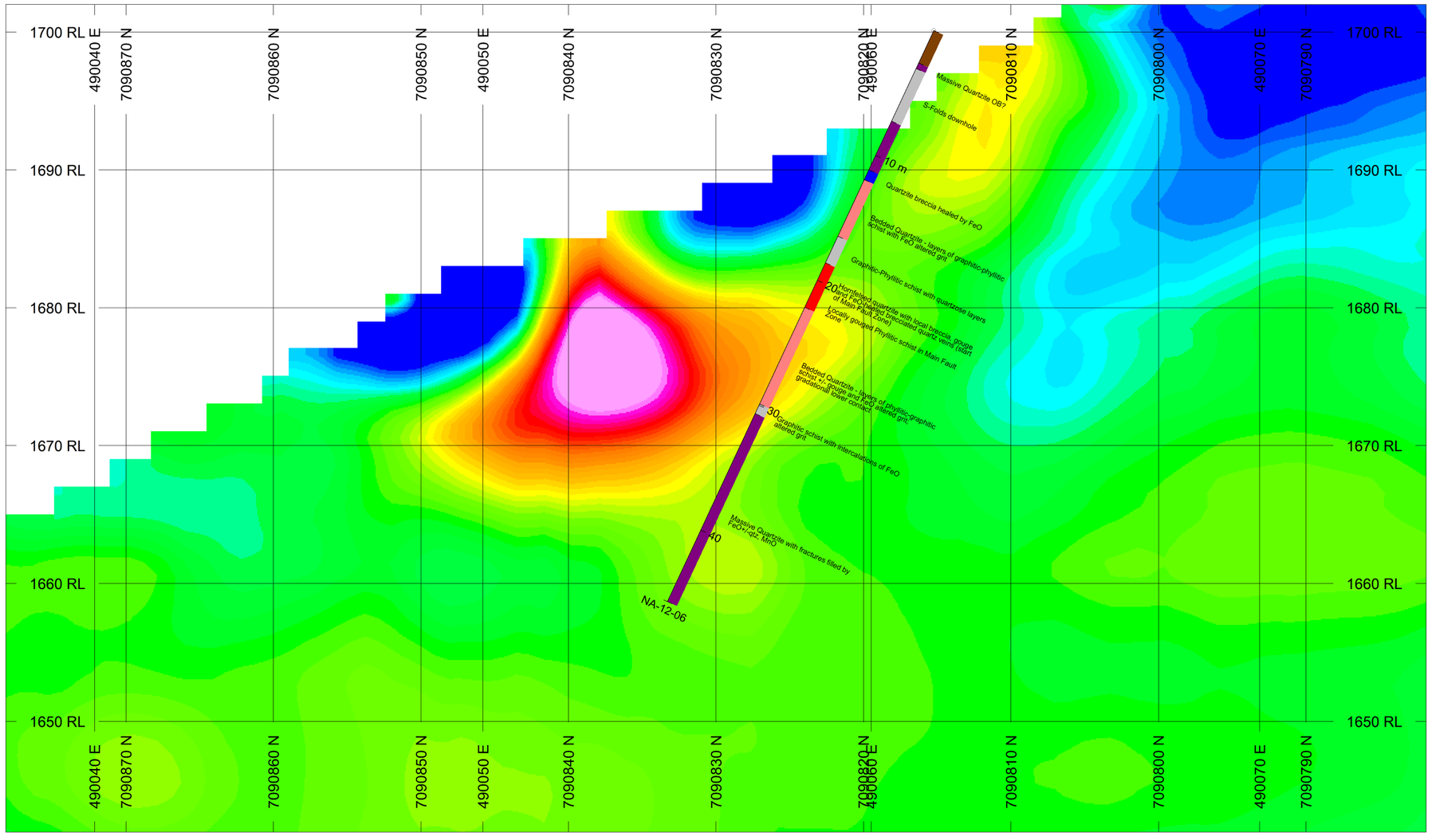
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 1

NA-12-06

VOXEL SLICE	COL	RANGE
Recovered Chargeability		71.41025641
		66.02564103
		60.64102564
		55.25641026
		49.87179487
		44.48717949
		39.1025641
		33.71794872
		28.33333333
		22.94871795
		17.56410256
		12.17948718
		6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		PGSCH	Phyllitic-Graphitic Schist
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490056 m	7090830 m
EXTENTS	103 m	60.03 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	3.47 m	

SCALE 1 : 377

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

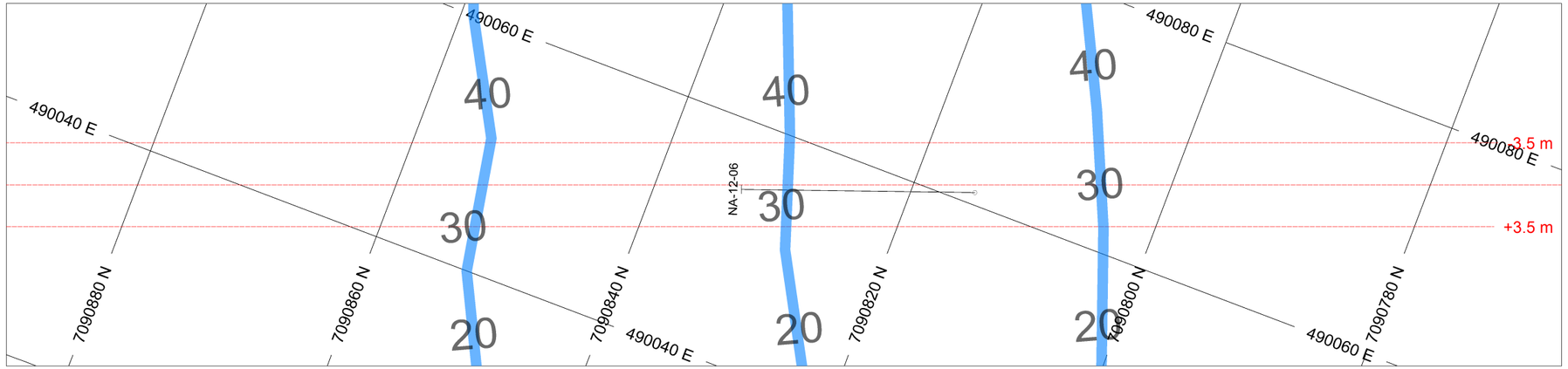
N W E S

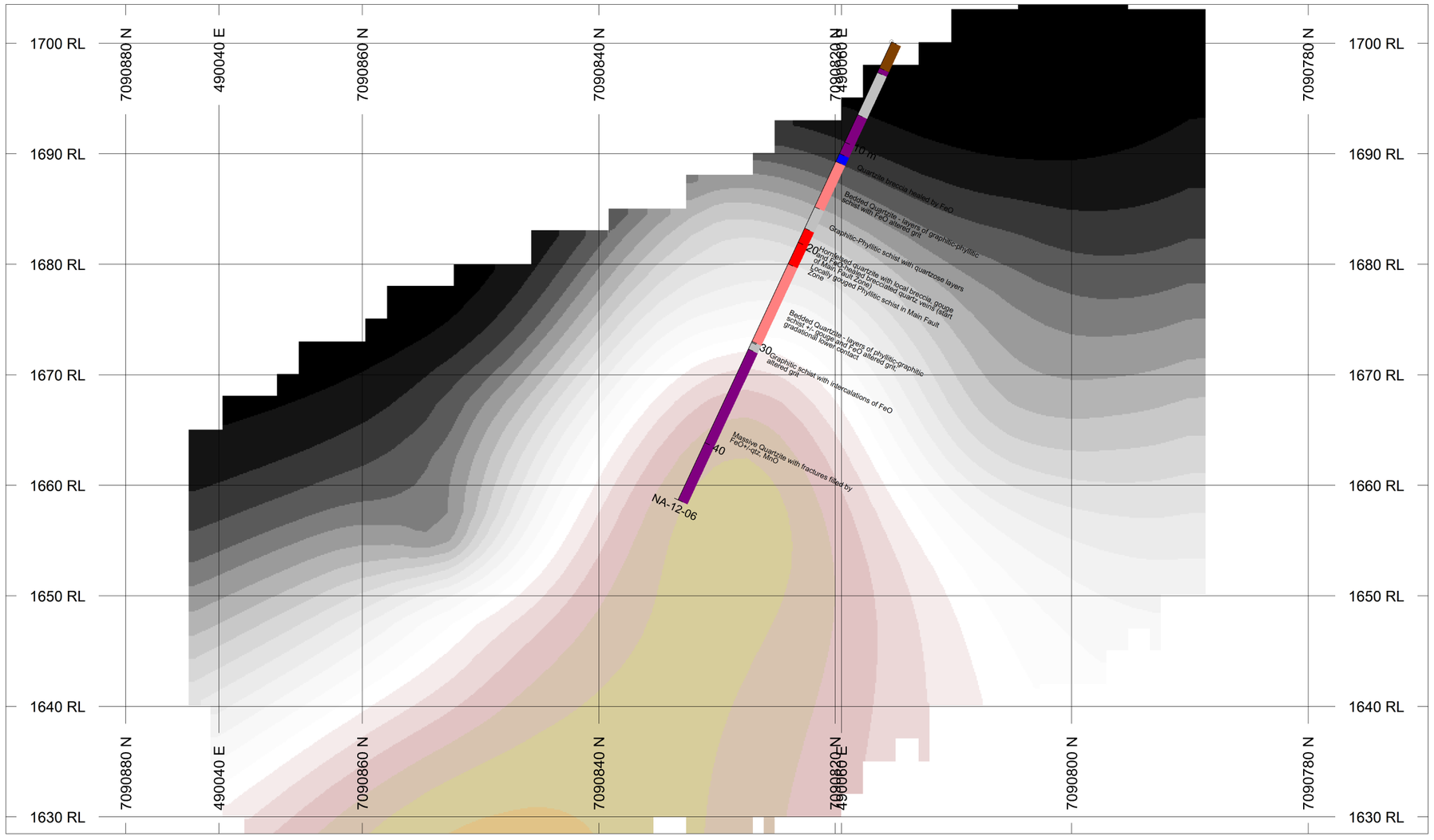
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 1

NA-12-06

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		PGSCH	Phyllitic-Graphitic Schist
		BQTZT	Bedded Quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490056 m	7090830 m
EXTENTS	128.7 m	75 m
SECTION TOP, BOT	1704 m	1629 m
TOLERANCE +/-	3.47 m	

SCALE 1 : 471.1

(m)

-5 0 5 10 15 20

NAD83 / UTM zone 8N

AZIMUTH = 159.2°

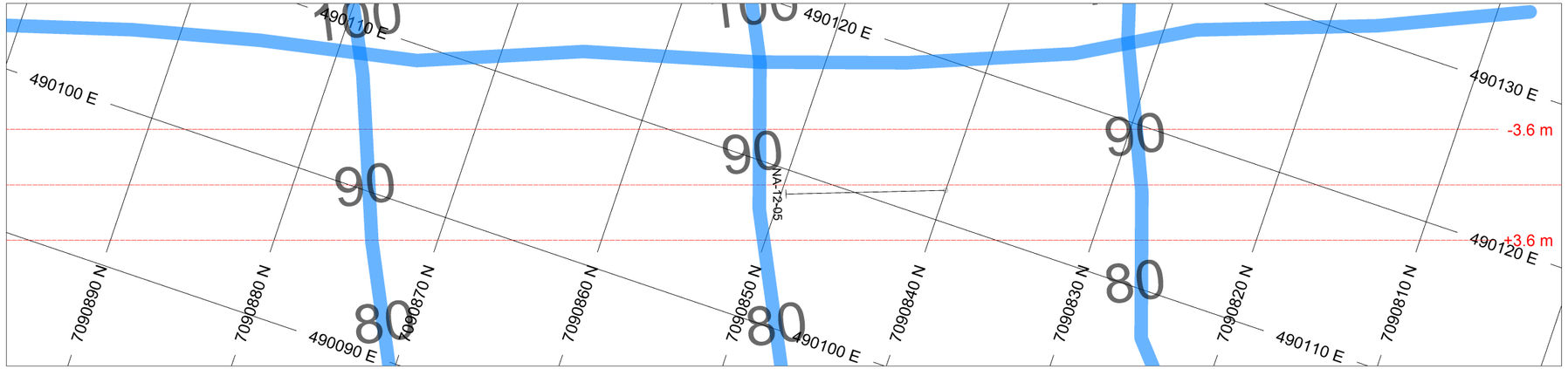
N W E S

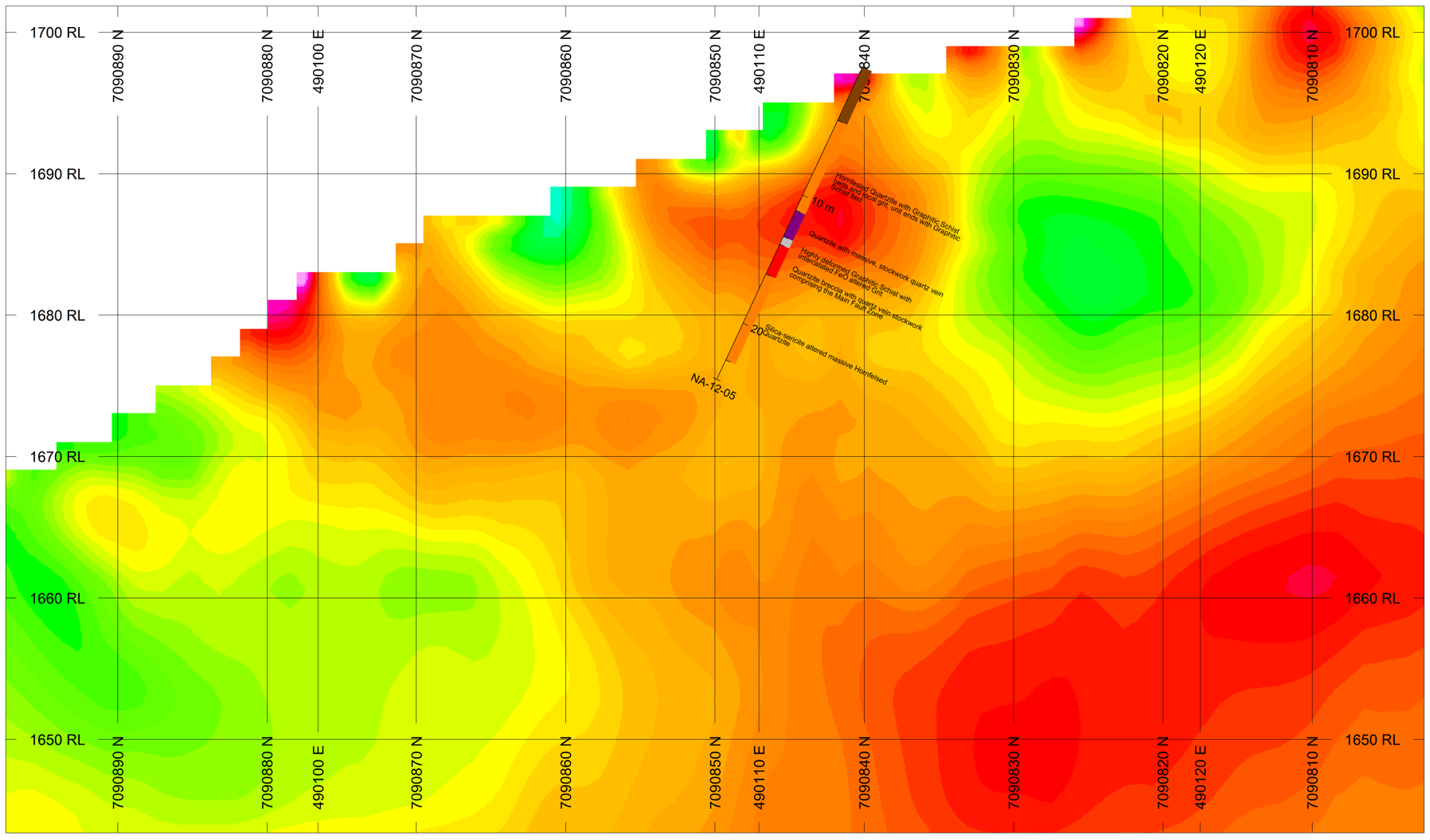
Keno Hill Exploration

Nabob Claim

Drillhole sections

Pseudo-Ratio





HOLES PLOTTED

TOTAL 1

NA-12-05

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490109 m	7090850 m
EXTENTS	100.3 m	58.45 m
SECTION TOP, BOT	1702 m	1643 m
TOLERANCE +/-	3.57 m	

SCALE 1 : 367.1

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 161.3°

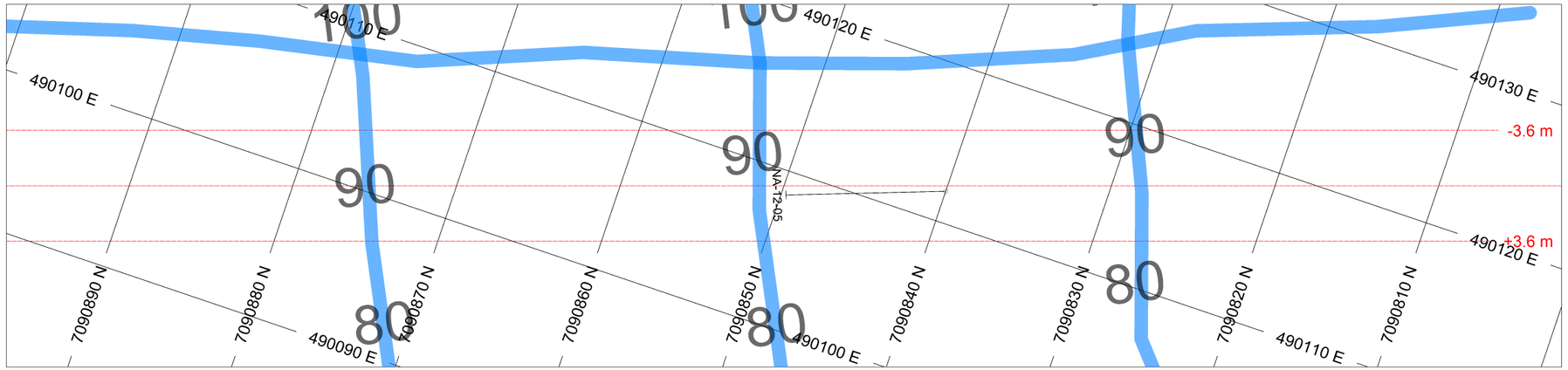
N W E S

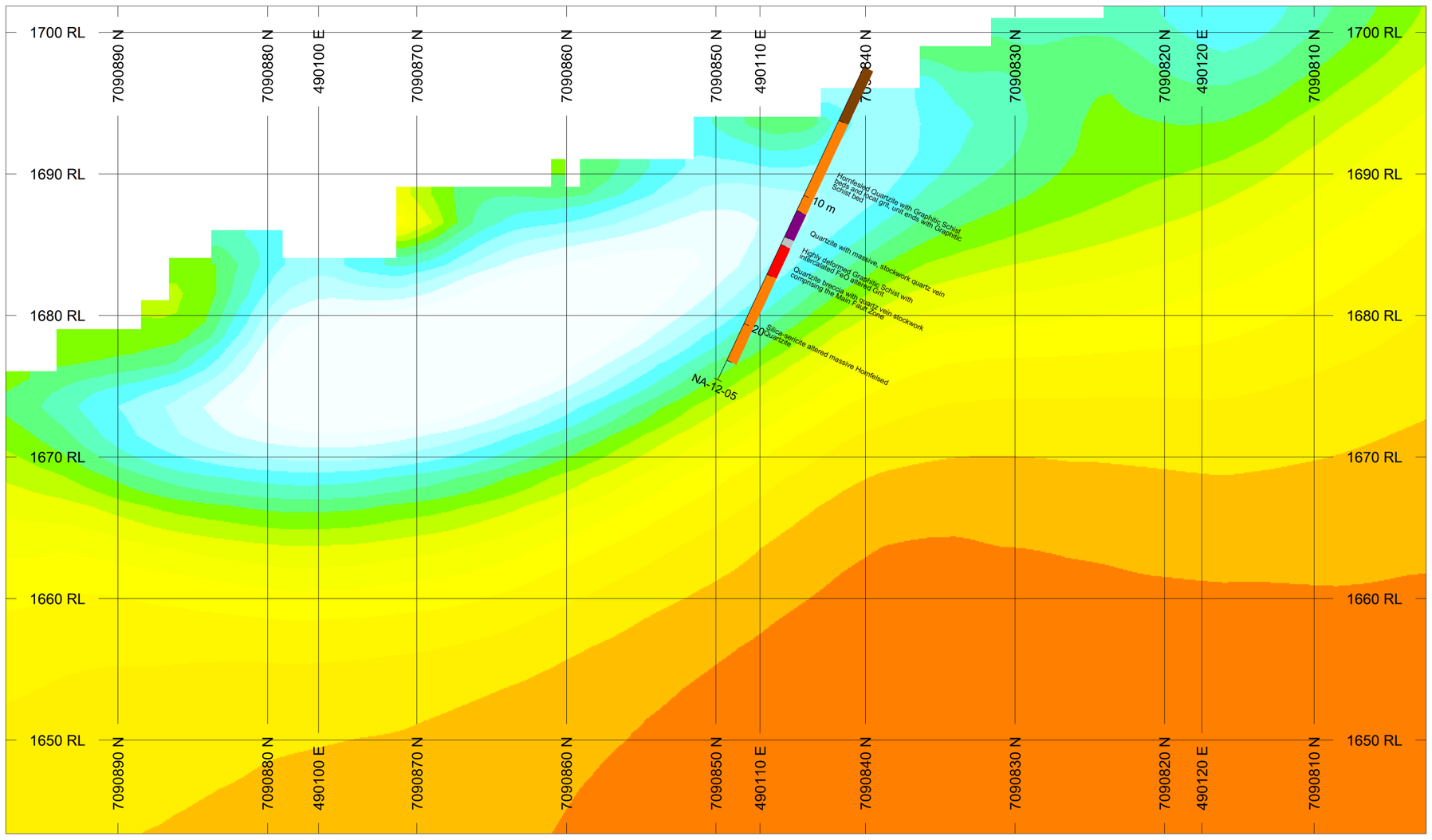
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-05

VOXEL SLICE
Recovered Resistivity

COL	RANGE
	57543.99373
	33113.11215
	19054.60718
	10964.78196
	6309.573445
	3630.780548
	2089.296131
	1202.264435
	691.8309709
	398.1071706
	229.0867653
	131.8256739

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490109 m	7090850 m
EXTENTS	100.3 m	58.45 m
SECTION TOP, BOT	1702 m	1643 m
TOLERANCE +/-	3.57 m	

SCALE 1 : 367.1

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 161.3°

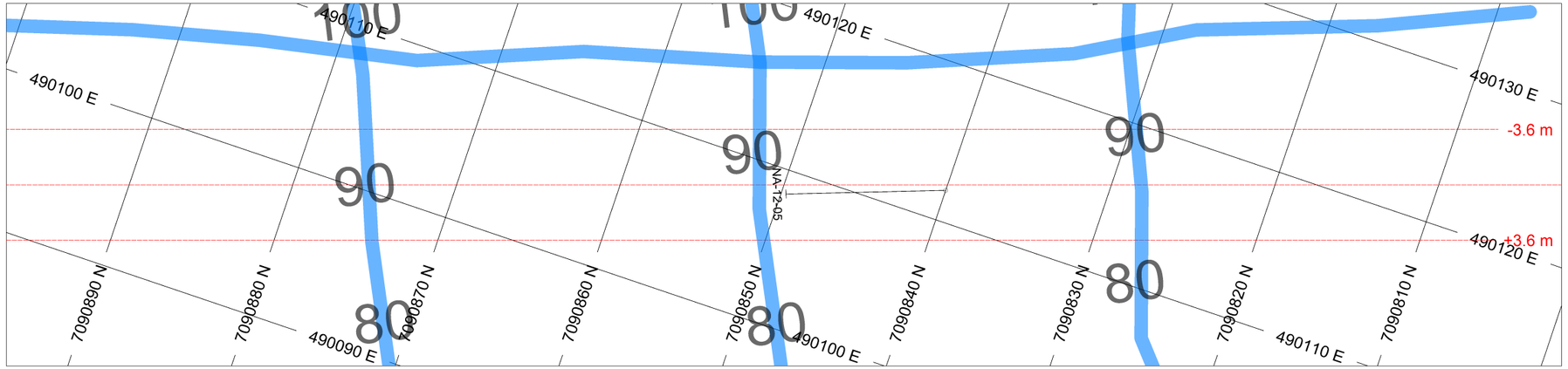
N W E S

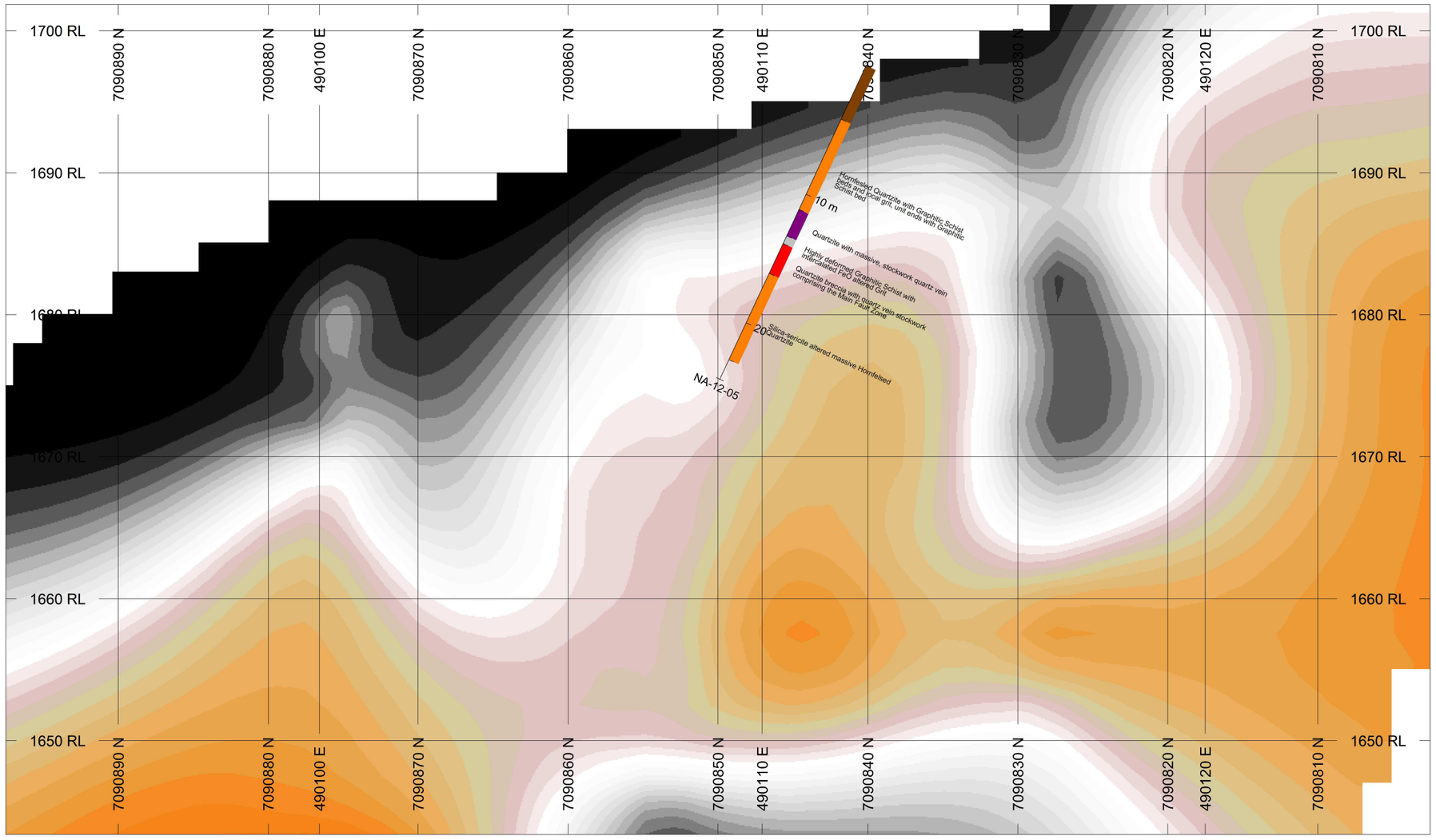
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 1

NA-12-05

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490109 m	7090850 m
EXTENTS	100.3 m	58.45 m
SECTION TOP, BOT	1702 m	1643 m
TOLERANCE +/-	3.57 m	

SCALE 1 : 367.1

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 161.3°

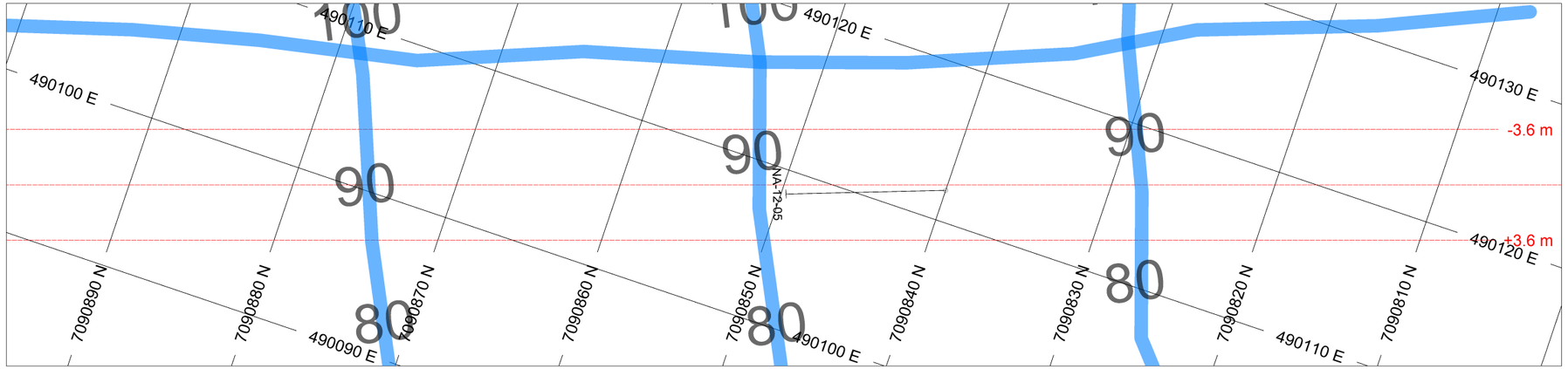
N W E S

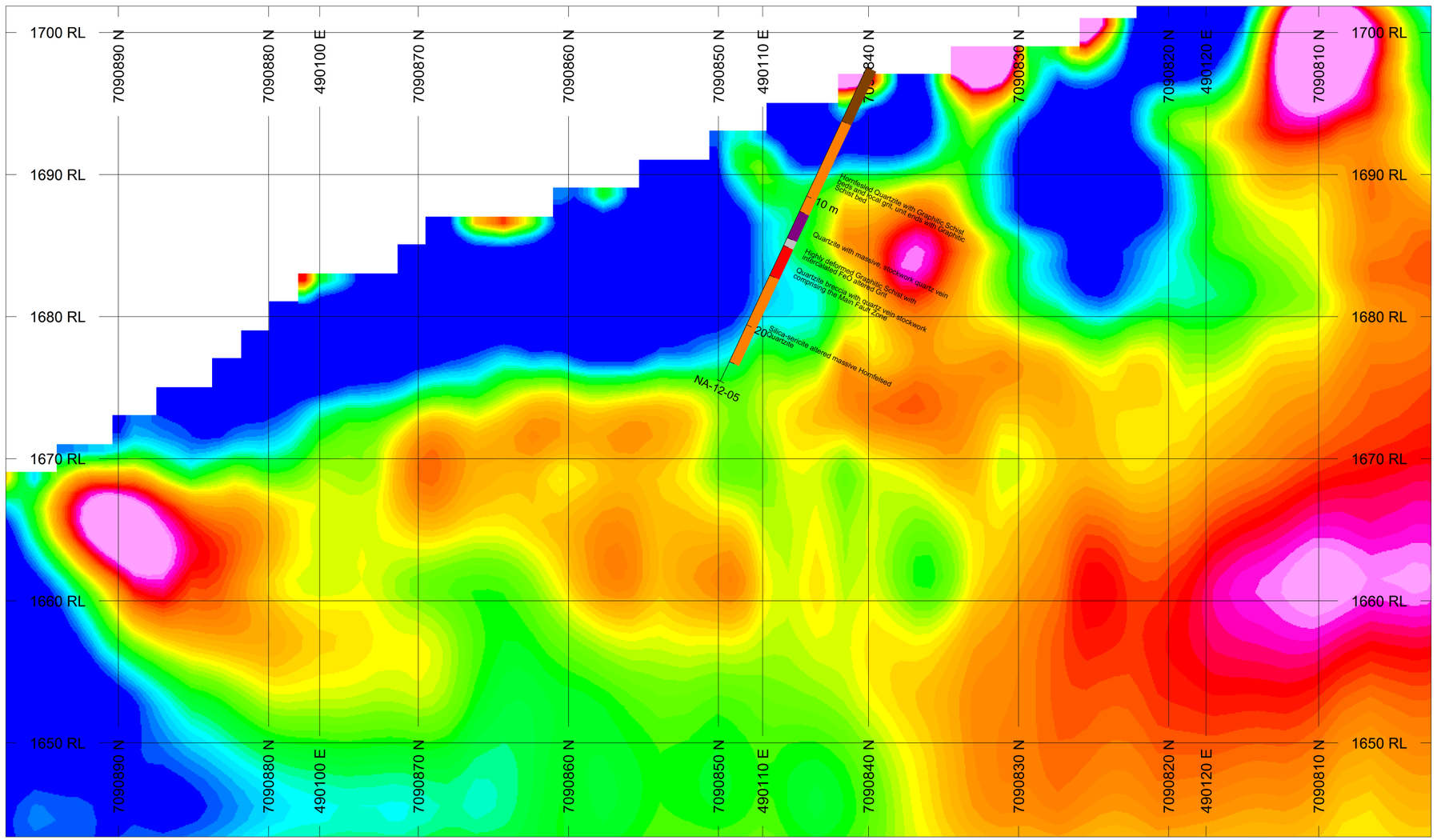
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-05

VOXEL SLICE	COL	RANGE
Recovered Chargeability		71.41025641
		66.02564103
		60.64102564
		55.25641026
		49.87179487
		44.48717949
		39.1025641
		33.71794872
		28.33333333
		22.94871795
		17.56410256
		12.17948718
		6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490109 m	7090850 m
EXTENTS	100.3 m	58.45 m
SECTION TOP, BOT	1702 m	1643 m
TOLERANCE +/-	3.57 m	

SCALE 1 : 367.1

(m)

-4 0 4 8 12

NAD83 / UTM zone 8N

AZIMUTH = 161.3°

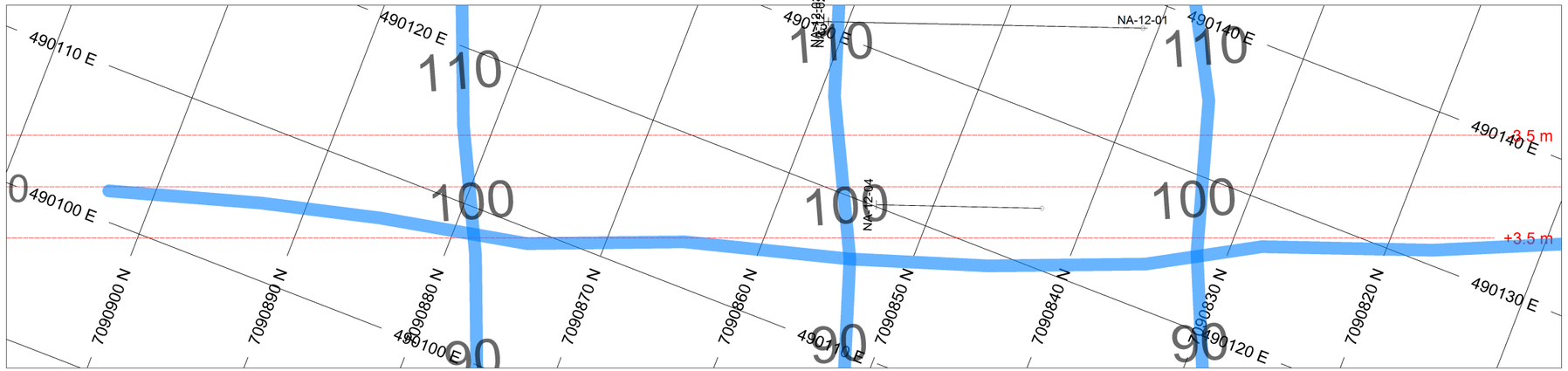
N W E S

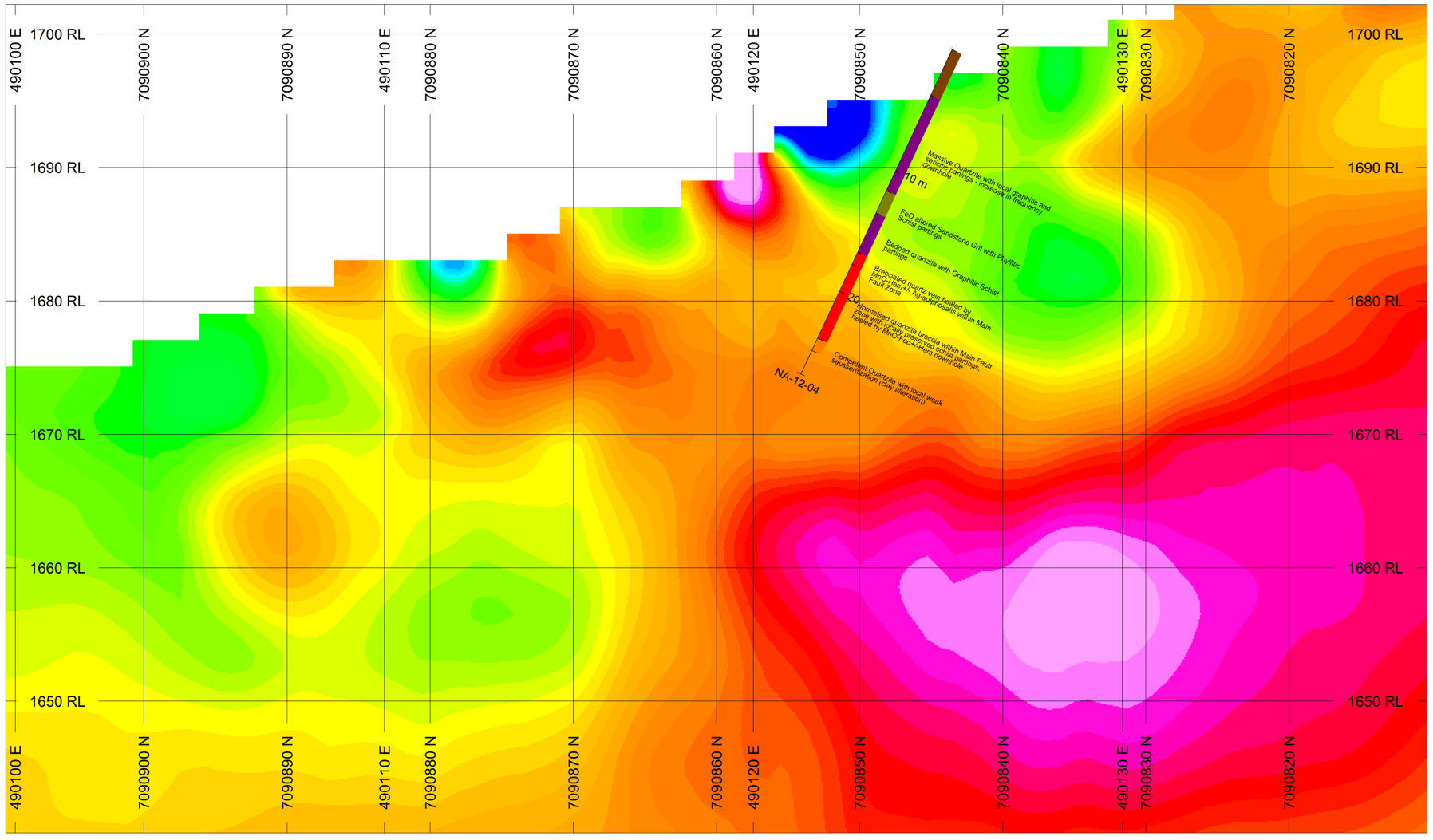
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 1

NA-12-04

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		GRT	Sandstone Grit

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490119 m	7090860 m
EXTENTS	106.5 m	62.07 m
SECTION TOP, BOT	1702 m	1640 m
TOLERANCE +/-	3.515 m	

SCALE 1 : 389.9

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 158.8°

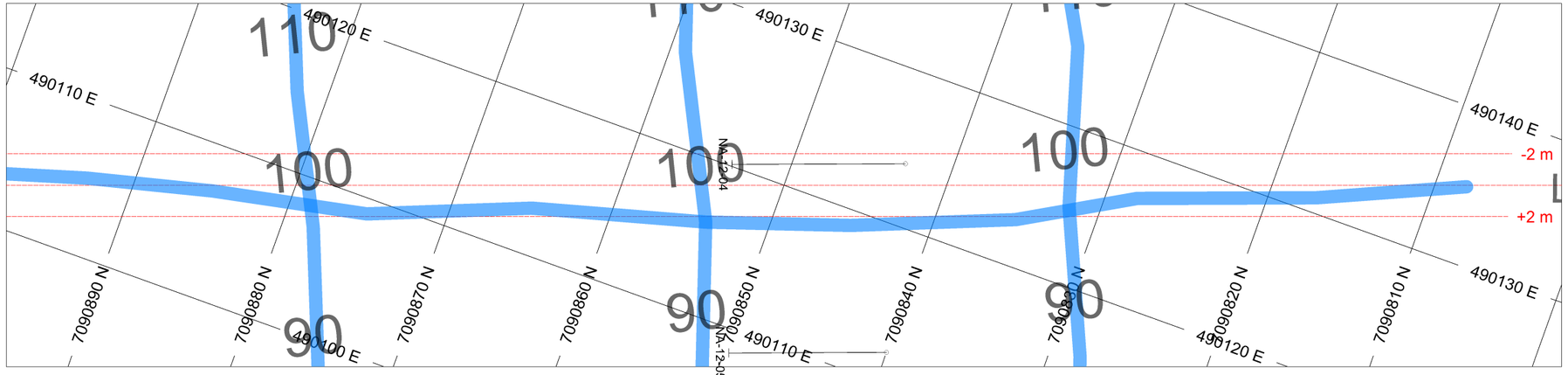
N W E S

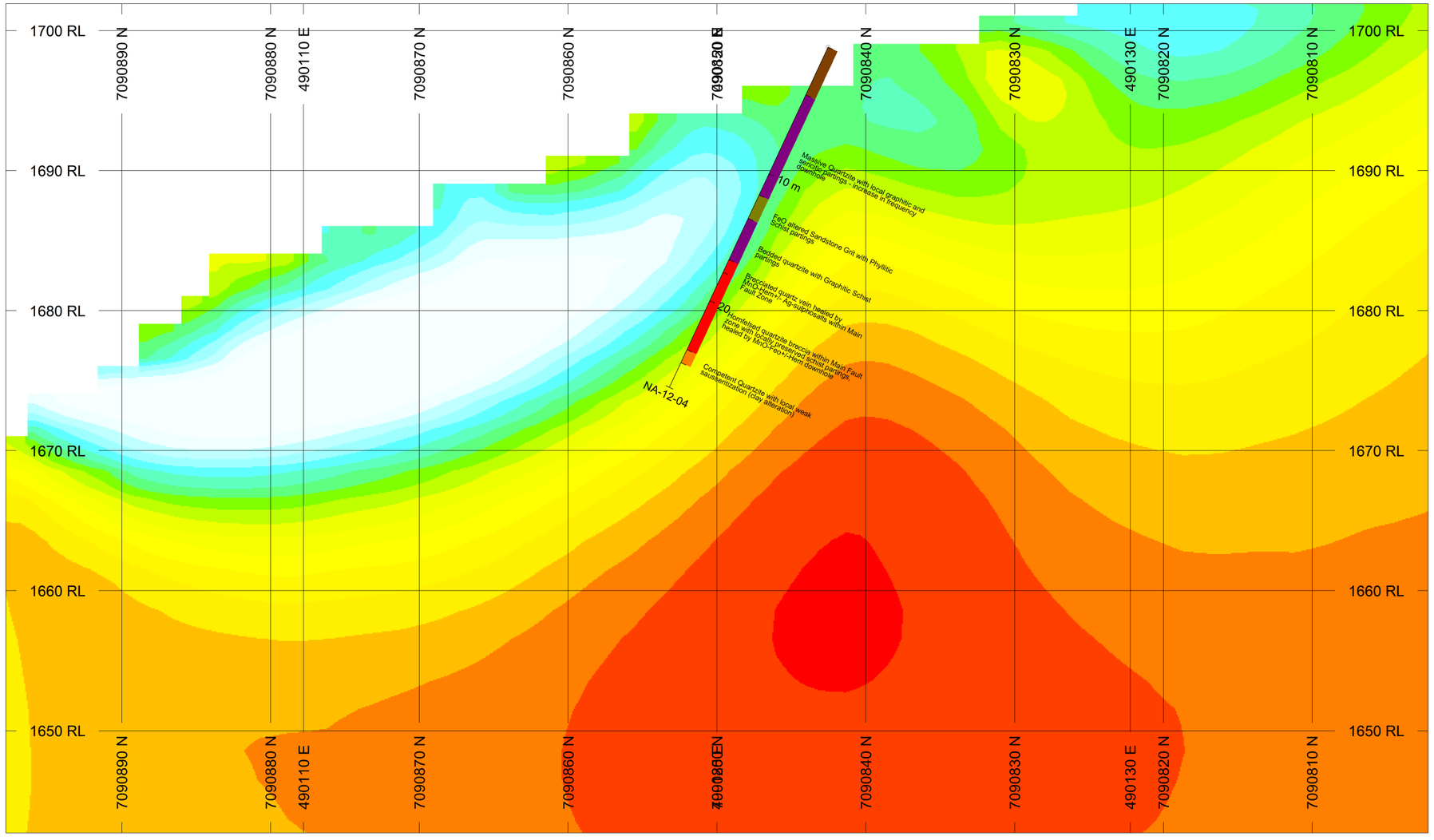
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-04

VOXEL SLICE — COL — RANGE

Recovered Resistivity

RANGE
57543.99373
33113.11215
19054.60718
10964.78196
6309.573445
3630.780548
2089.296131
1202.264435
691.8309709
398.1071706
229.0867653
131.8256739

ROCK CODES Lithology	PAT	CODE	DESCRIPTION
		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		GRT	Sandstone Grit

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490120 m	7090850 m
EXTENTS	101.6 m	59.21 m
SECTION TOP, BOT	1702 m	1643 m
TOLERANCE +/-	2.045 m	

SCALE 1 : 371.9

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 160.2°

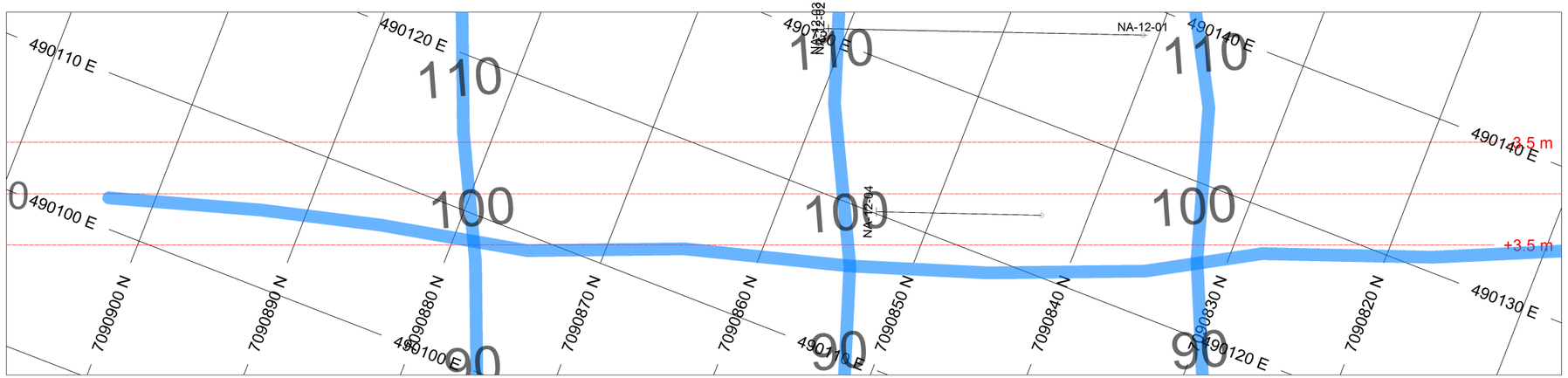
N W E S

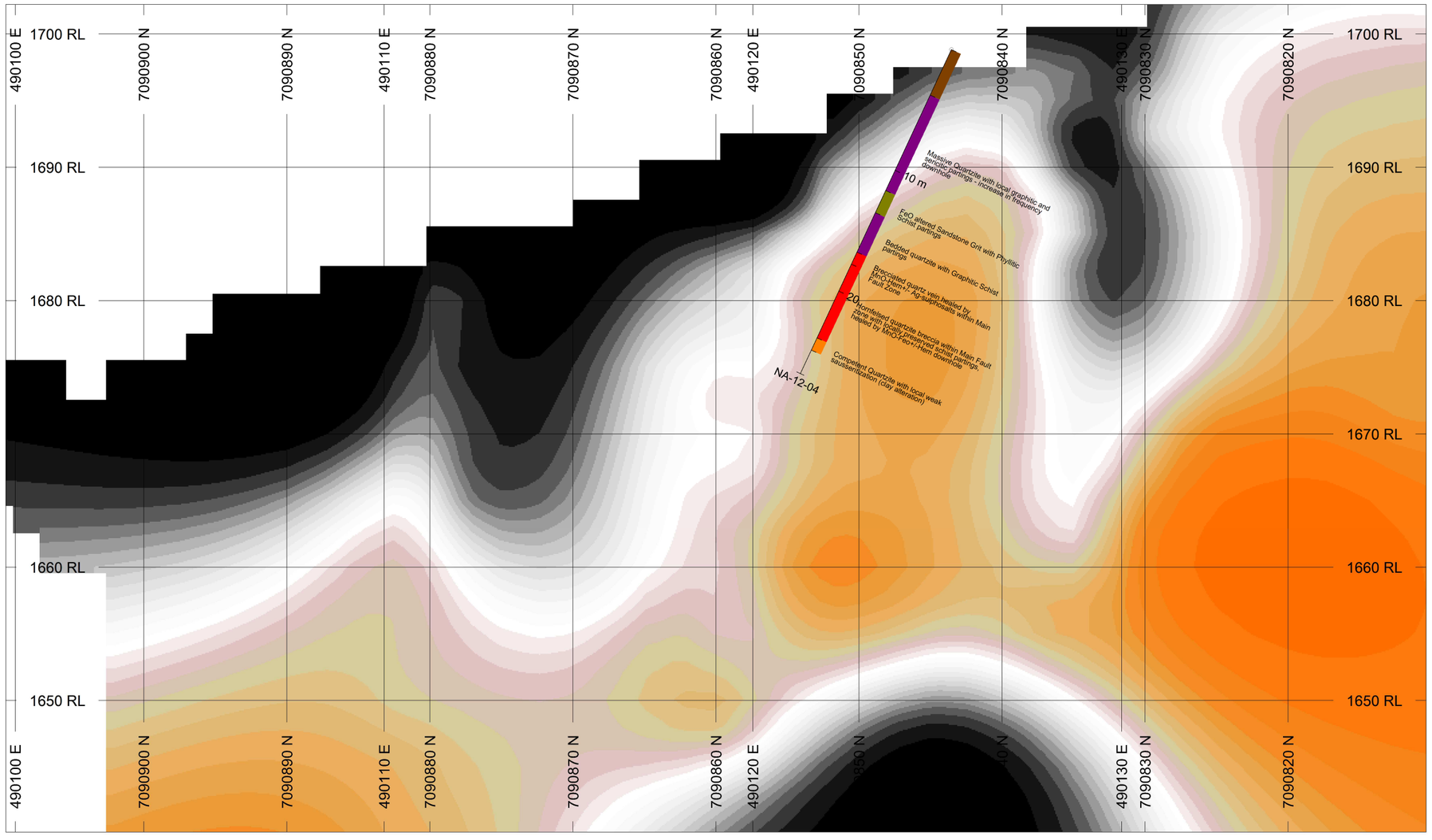
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 1

NA-12-04

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		GRT	Sandstone Grit

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490119 m	7090860 m
EXTENTS	106.5 m	62.07 m
SECTION TOP, BOT	1702 m	1640 m
TOLERANCE +/-	3.515 m	

SCALE 1 : 389.9

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 158.8°

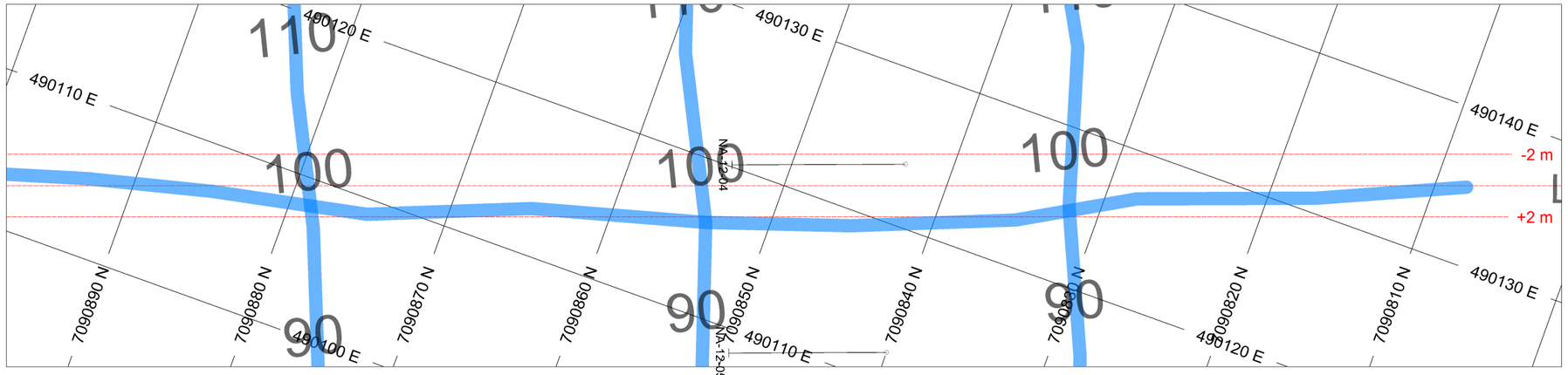
N W E S

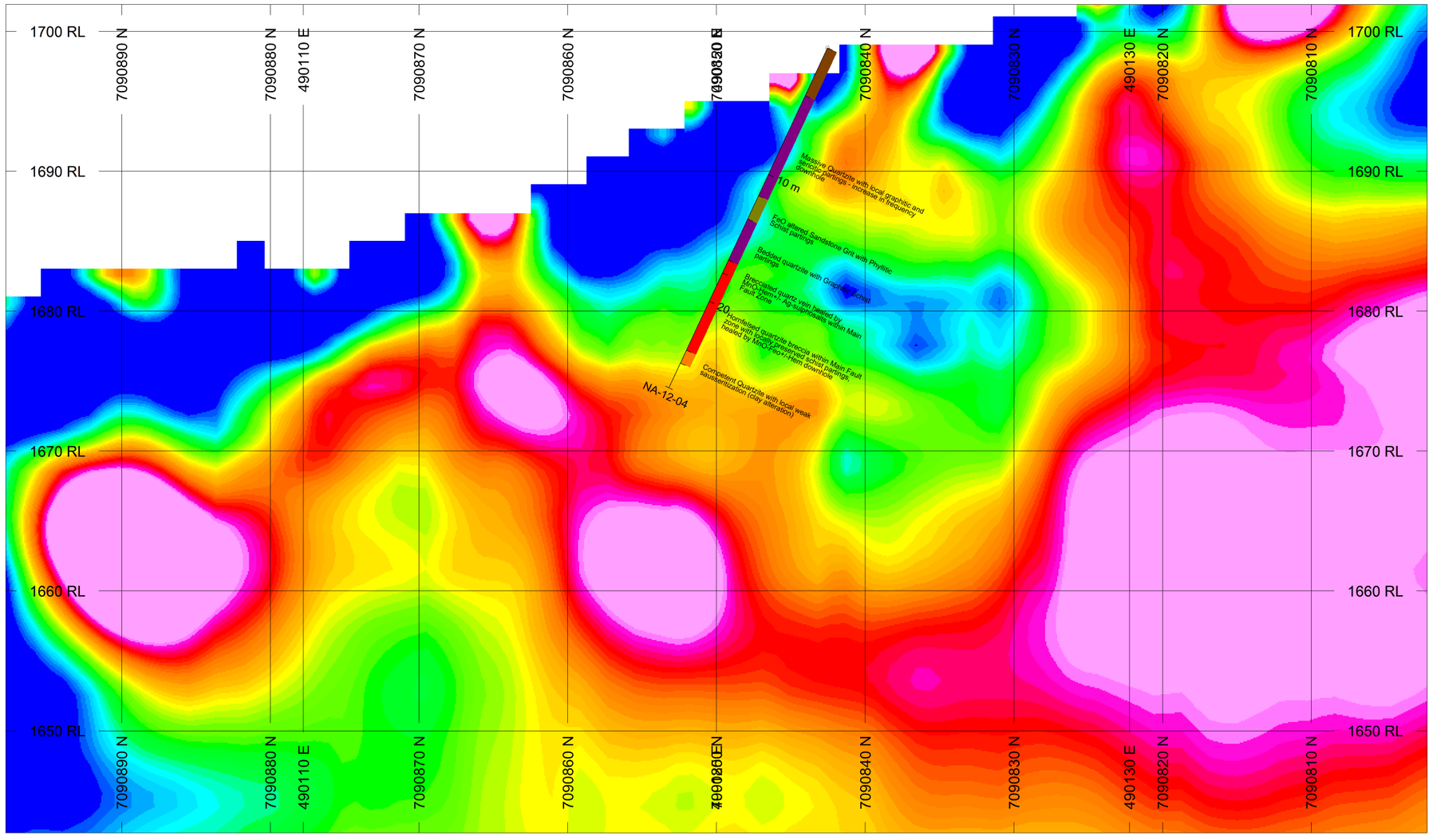
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 1

NA-12-04

VOXEL SLICE	COL	RANGE
Recovered Chargeability		71.41025641
		66.02564103
		60.64102564
		55.25641026
		49.87179487
		44.48717949
		39.1025641
		33.71794872
		28.33333333
		22.94871795
		17.56410256
		12.17948718
		6.794871795

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		MFZVN	Main Faul Zone Vein
		HQTZT	Hornfelsed quartzite
		GRT	Sandstone Grit

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490120 m	7090850 m
EXTENTS	101.6 m	59.21 m
SECTION TOP, BOT	1702 m	1643 m
TOLERANCE +/-	2.045 m	

SCALE 1 : 371.9

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 160.2°

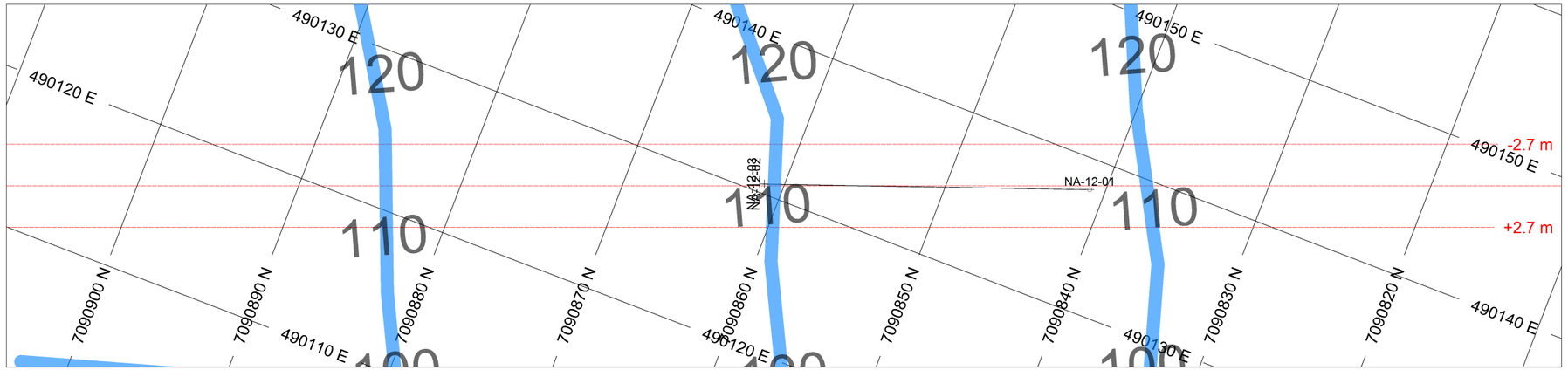
N W E S

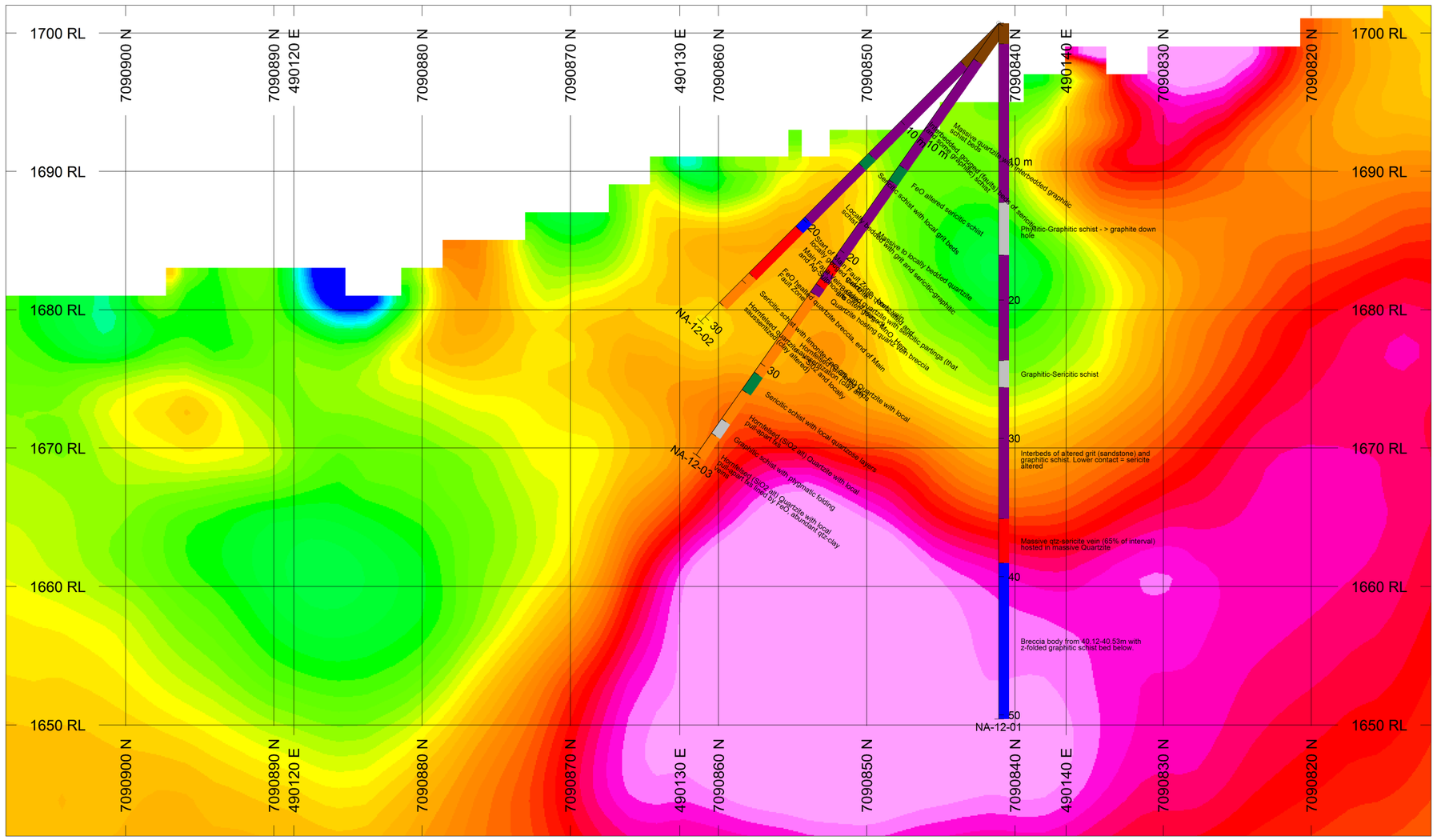
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability





HOLES PLOTTED

TOTAL 3

NA-12-01 NA-12-02 NA-12-03

VOXEL SLICE	COL	RANGE
Zeta_topoclip		8.974358974
		7.435897436
		5.897435897
		4.358974359
		2.820512821
		1.282051282
		-0.2564102564
		-1.794871795
		-3.333333333
		-4.871794872
		-6.41025641
		-7.948717949
		-9.487179487

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		PGSCH	Phyllitic-Graphitic Schist
		GSSCH	Sericitic-Graphitic Schist
		SSCH	Sericitic Schist
		QTZVN	Quartz Vein
		HQTZT	Hornfelsed quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490131 m	7090860 m
EXTENTS	103 m	60.03 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.745 m	

SCALE 1 : 377

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159°

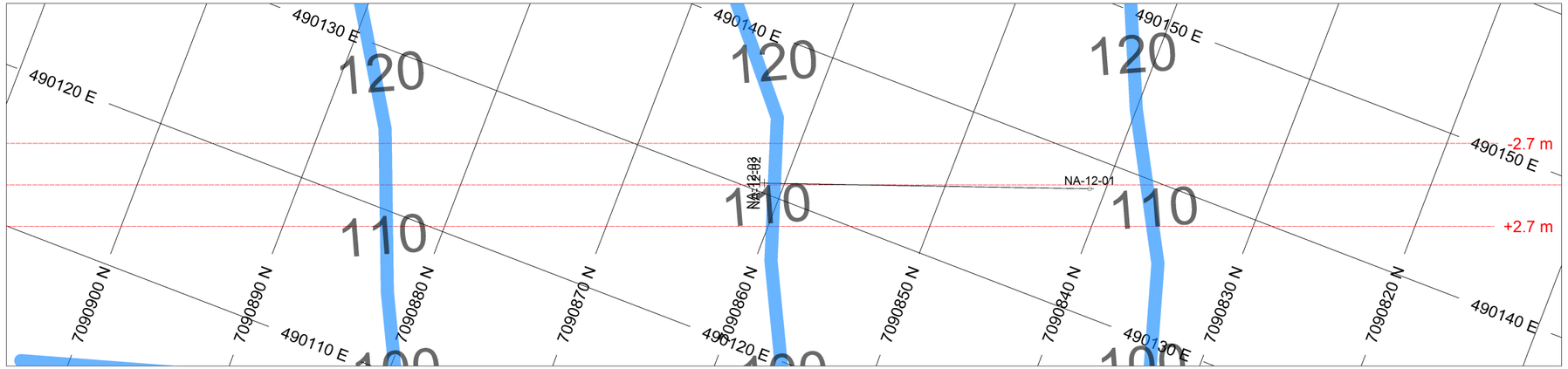
N W E S

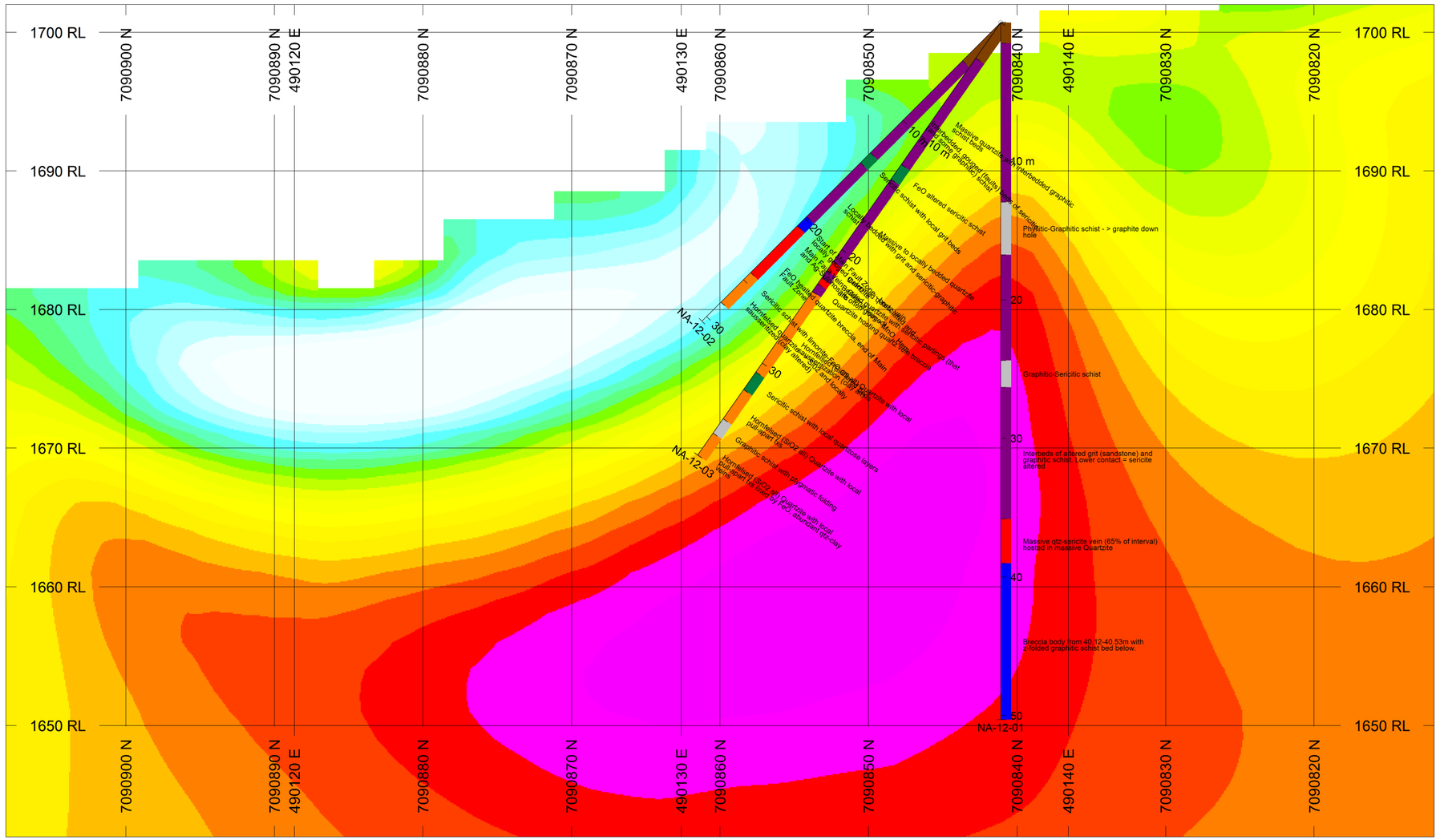
Keno Hill Exploration

Nabob Claim

Drillhole sections

Zeta Pseudo-Voxel





HOLES PLOTTED

TOTAL 3

NA-12-01 NA-12-02 NA-12-03

VOXEL SLICE
Recovered Resistivity

COL	RANGE
	57543.99373
	33113.11215
	19054.60718
	10964.78196
	6309.573445
	3630.780548
	2089.296131
	1202.264435
	691.8309709
	398.1071706
	229.0867653
	131.8256739

ROCK CODES
Lithology

PAT	CODE	DESCRIPTION
	OB	Overburden
	QTZT	Quartzite
	GSCH	Graphitic Schist
	MFZVN	Main Faul Zone Vein
	PGSCH	Phyllitic-Graphitic Schist
	GSSCH	Sericitic-Graphitic Schist
	SSCH	Sericitic Schist
	QTZVN	Quartz Vein
	HQTZT	Hornfelsed quartzite
	BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490131 m	7090860 m
EXTENTS	103 m	60.03 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.745 m	

SCALE 1 : 377

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159°

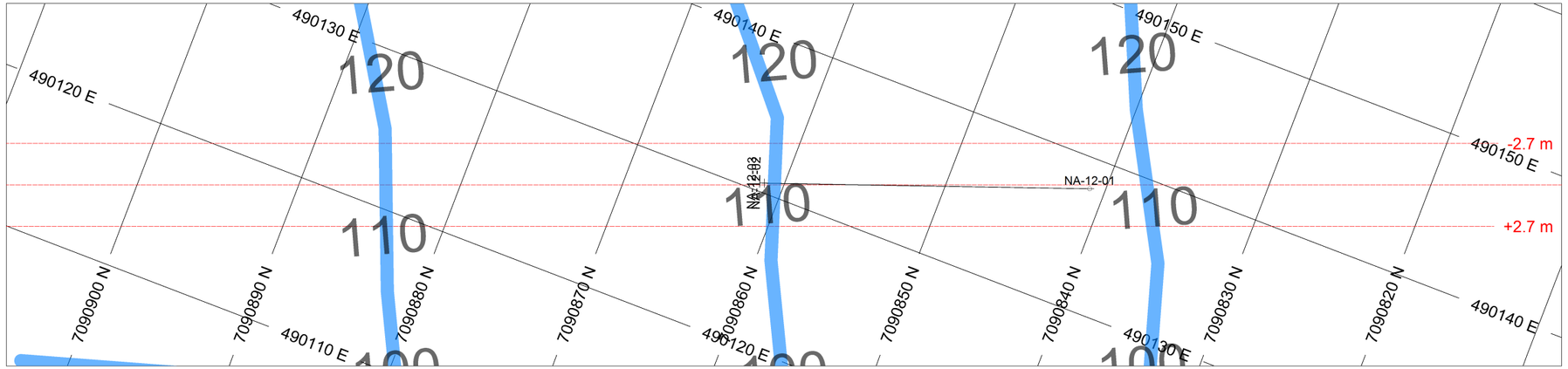
N W E S

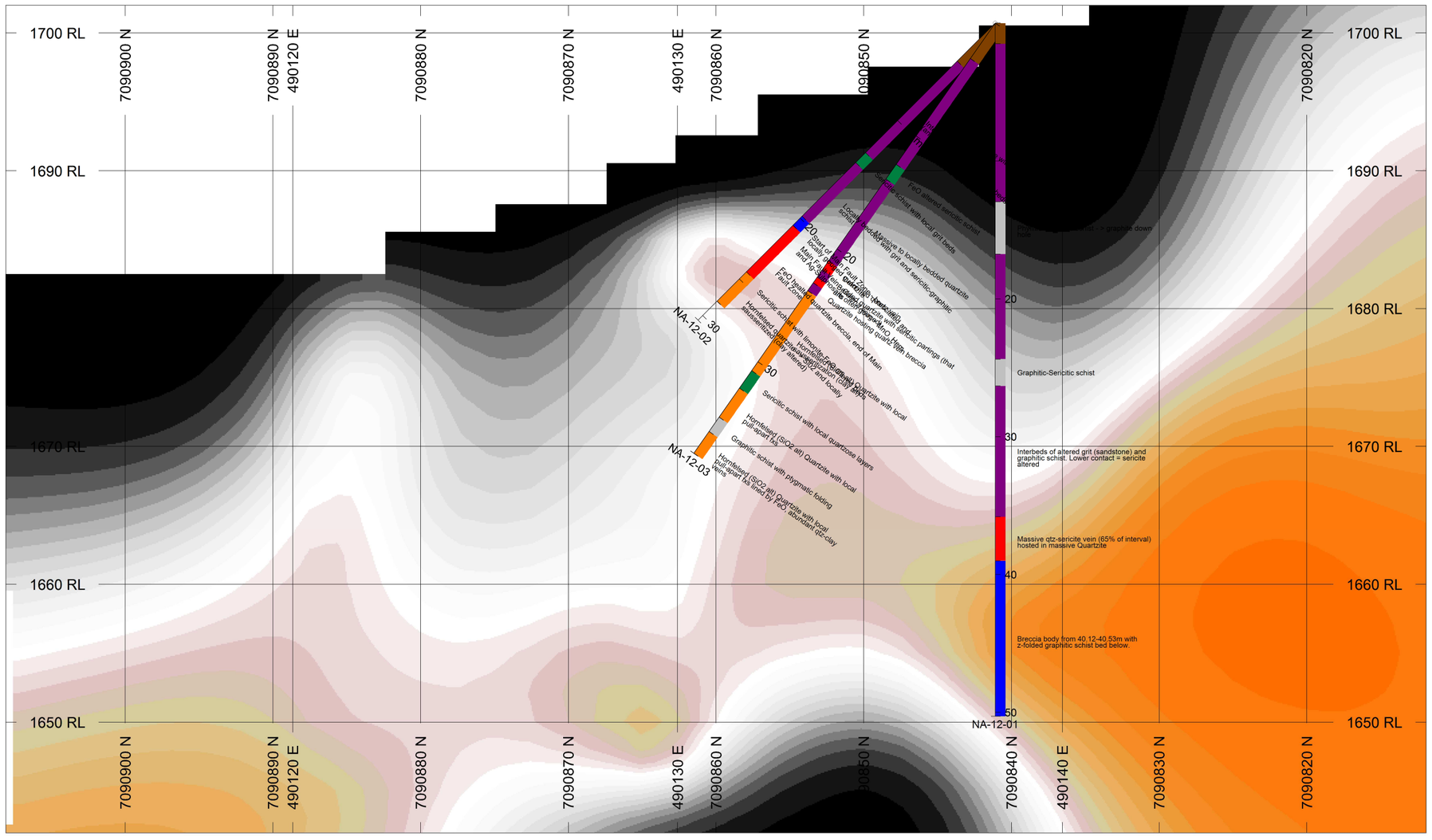
Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Resistivity





HOLES PLOTTED

TOTAL 3

NA-12-01 NA-12-02 NA-12-03

VOXEL SLICE	COL	RANGE
Ratio_topoclip		3.358942405
		3.274582025
		3.219555091
		3.171165639
		3.128557229
		3.089160512
		3.051262579
		3.016148111
		2.977607843
		2.936926447
		2.891962804
		2.838862871
		2.774843195
		2.655796585

ROCK CODES	PAT	CODE	DESCRIPTION
Lithology		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		PGSCH	Phyllitic-Graphitic Schist
		GSSCH	Sericitic-Graphitic Schist
		SSCH	Sericitic Schist
		QTZVN	Quartz Vein
		HQTZT	Hornfelsed quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490131 m	7090860 m
EXTENTS	103 m	60.03 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.745 m	

SCALE 1 : 377

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159°

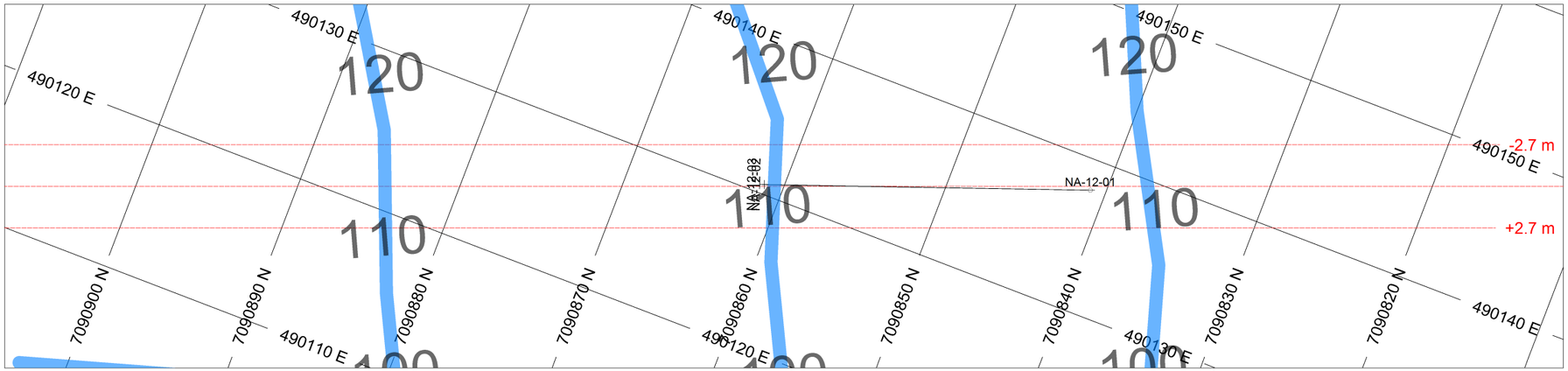
N W E S

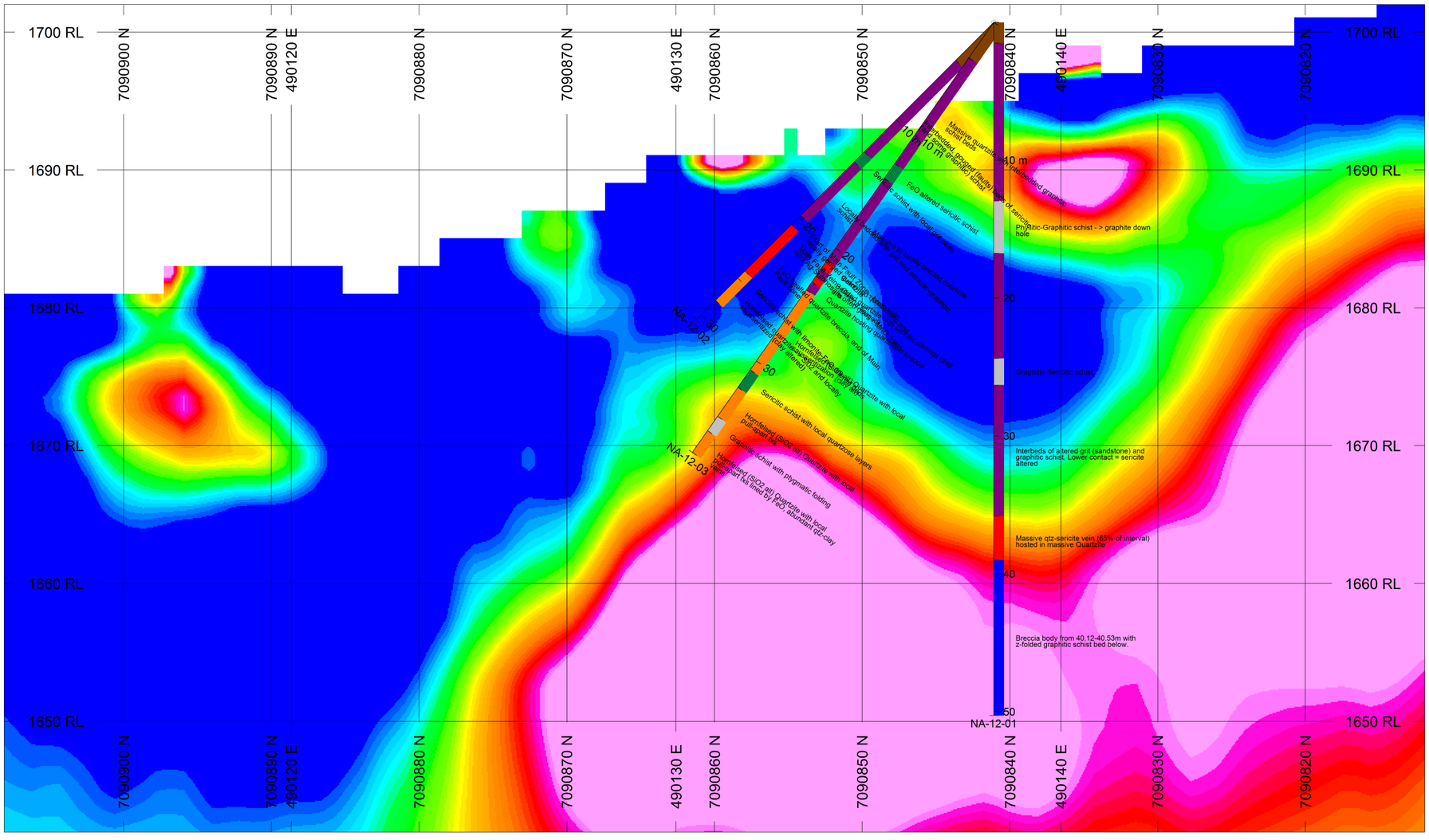
Keno Hill Exploration

Nabob Claim

Drillhole sections

Ratio Pseudo-Voxel





HOLES PLOTTED

TOTAL 3

NA-12-01 NA-12-02 NA-12-03

VOXEL SLICE
Recovered Chargeability

COL	RANGE
	71.41025641
	66.02564103
	60.64102564
	55.25641026
	49.87179487
	44.48717949
	39.1025641
	33.71794872
	28.33333333
	22.94871795
	17.56410256
	12.17948718
	6.794871795

ROCK CODES Lithology	PAT	CODE	DESCRIPTION
		OB	Overburden
		QTZT	Quartzite
		GSCH	Graphitic Schist
		MFZVN	Main Faul Zone Vein
		PGSCH	Phyllitic-Graphitic Schist
		GSSCH	Sericitic-Graphitic Schist
		SSCH	Sericitic Schist
		QTZVN	Quartz Vein
		HQTZT	Hornfelsed quartzite
		BRXQ	Brecciated Quartzite

COMMENTS	L/R	TEXT
Description	R	-------

SECTION SPECS:

REF. PT. E, N	490131 m	7090860 m
EXTENTS	103 m	60.03 m
SECTION TOP, BOT	1702 m	1642 m
TOLERANCE +/-	2.745 m	

SCALE 1 : 377

(m)

-4 0 4 8 12 16

NAD83 / UTM zone 8N

AZIMUTH = 159°

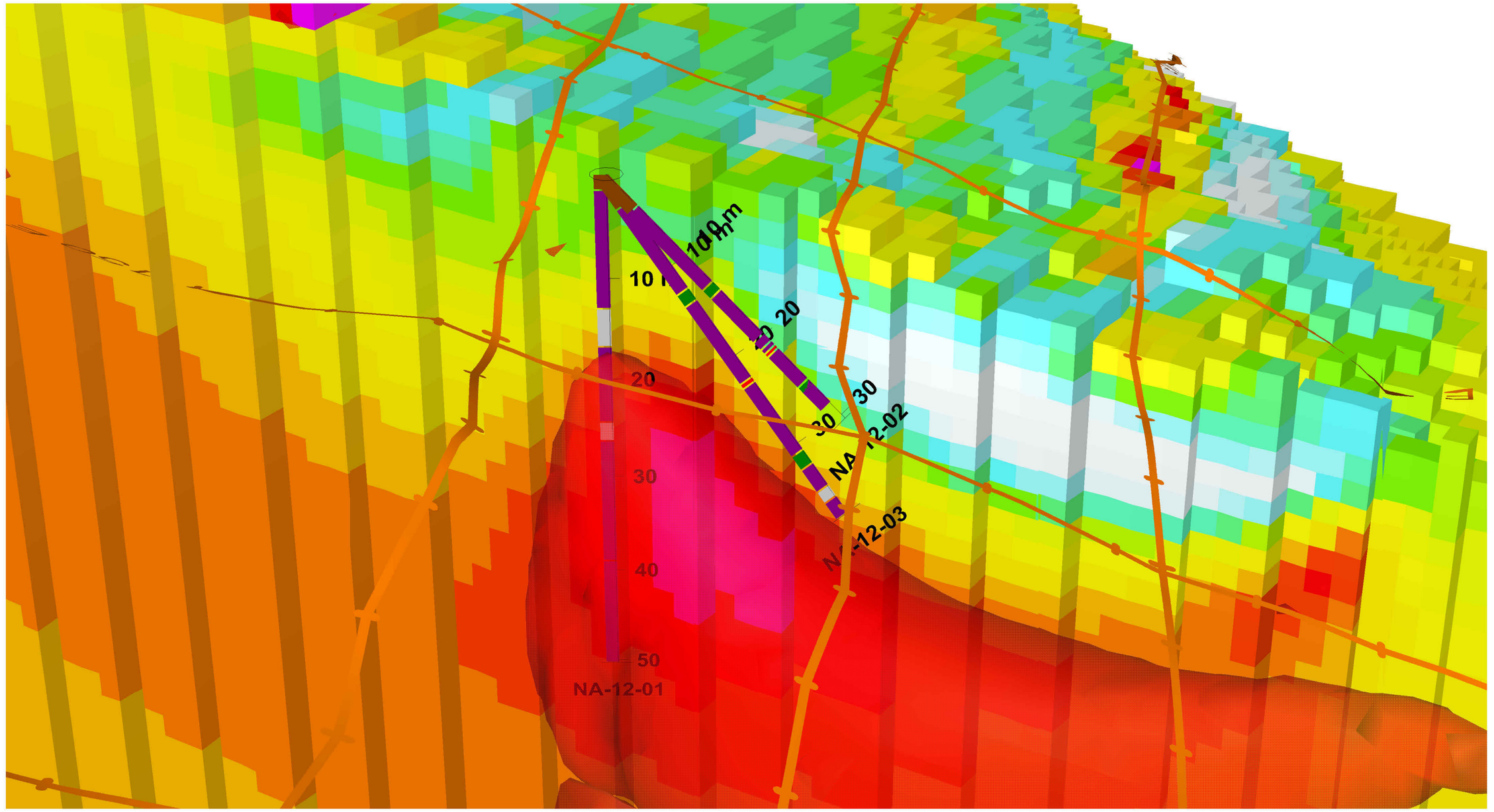
N W E S

Keno Hill Exploration

Nabob Claim

Drillhole sections

Recovered Chargeability


10 m
20
30
40
50
NA-12-01
NA-12-02
NA-12-03
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57544.0
43651.6
33113.1
25118.9
19054.6
14454.4
10964.8
8317.6
6309.6
4786.3
3630.8
2754.2
2089.3
1584.9
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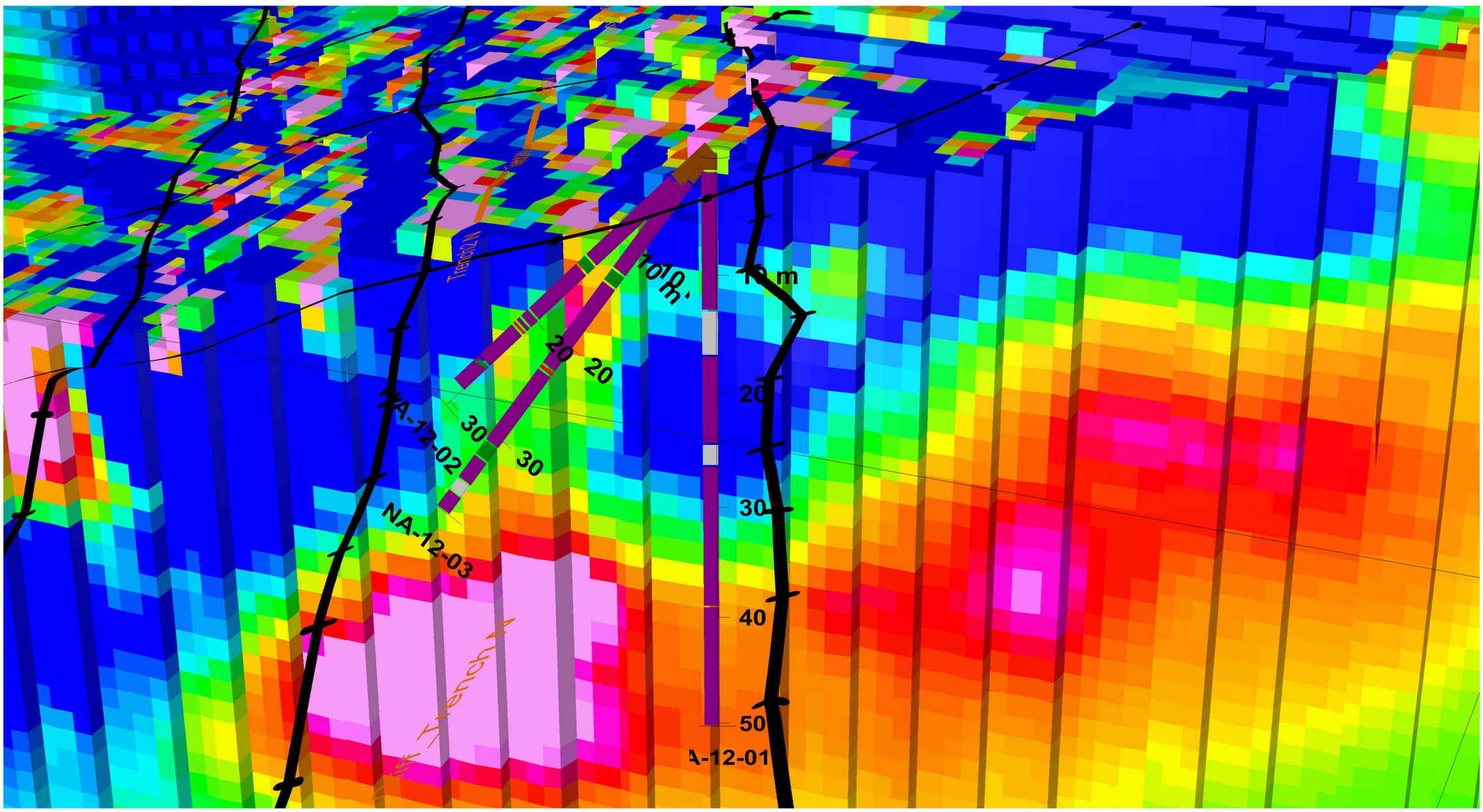
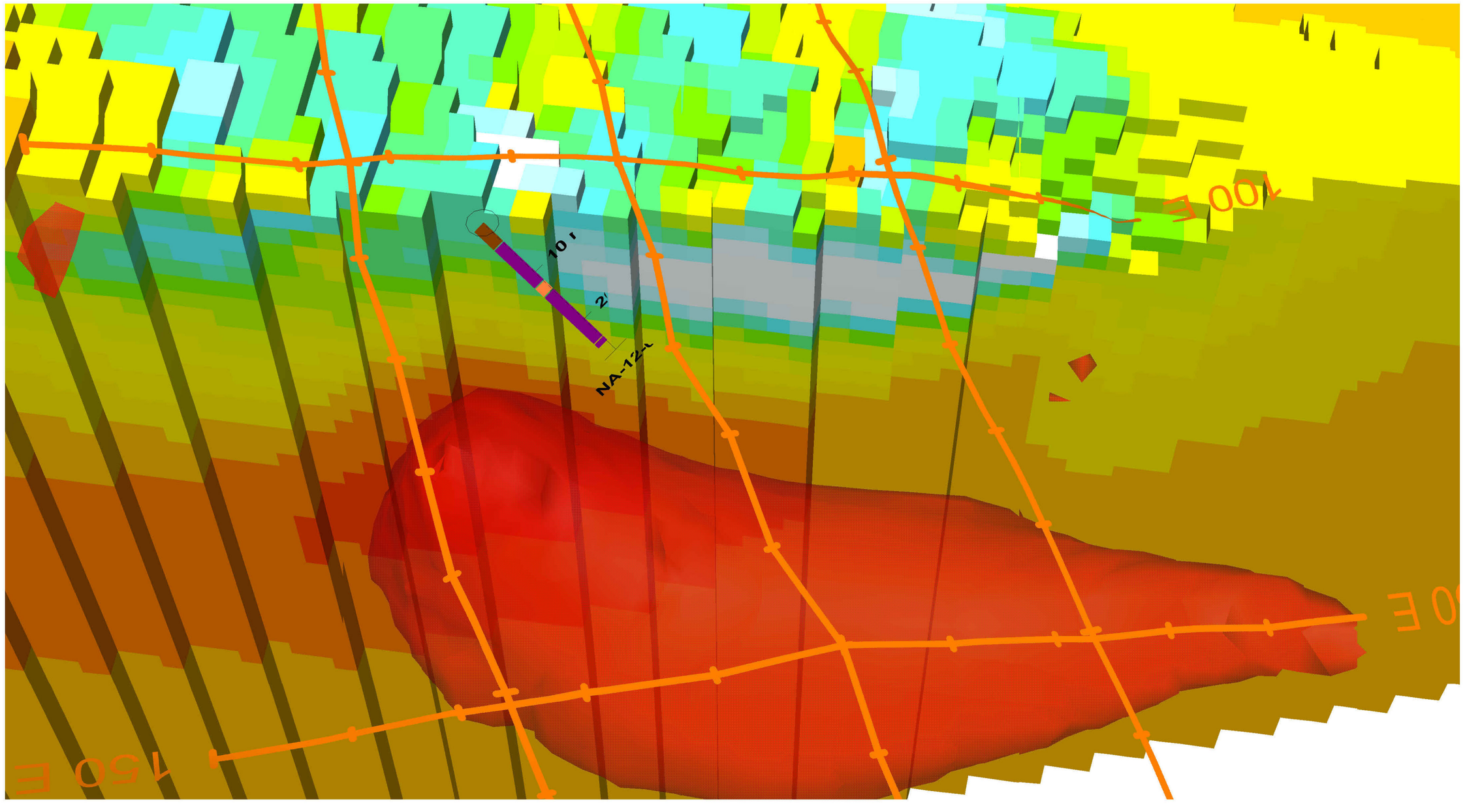
173.8
131.8
Resistivity
ohm.m


Tiefbau
Tiefbau
10 m
20
30
40
50
NA-12-01
NA-12-02
NA-12-03
97.6
95.1
92.7
90.3
87.8
85.4
82.9
80.5
78.1
75.6
73.2
70.8
68.3
65.9
63.5
61.0
58.6
56.2
53.7
51.3
48.8
46.4
44.0
41.5
39.1
36.7
34.2
31.8
29.4
26.9
24.5
22.1
19.6
17.2
14.7
12.3
9.9
7.4
Chargeability
mV/V


10 r
NA-12-
75857.8
57544.0
43651.6
33113.1
25118.9
19054.6
14454.4
10964.8
8317.6
6309.6
4786.3
3630.8
2754.2
2089.3
1584.9
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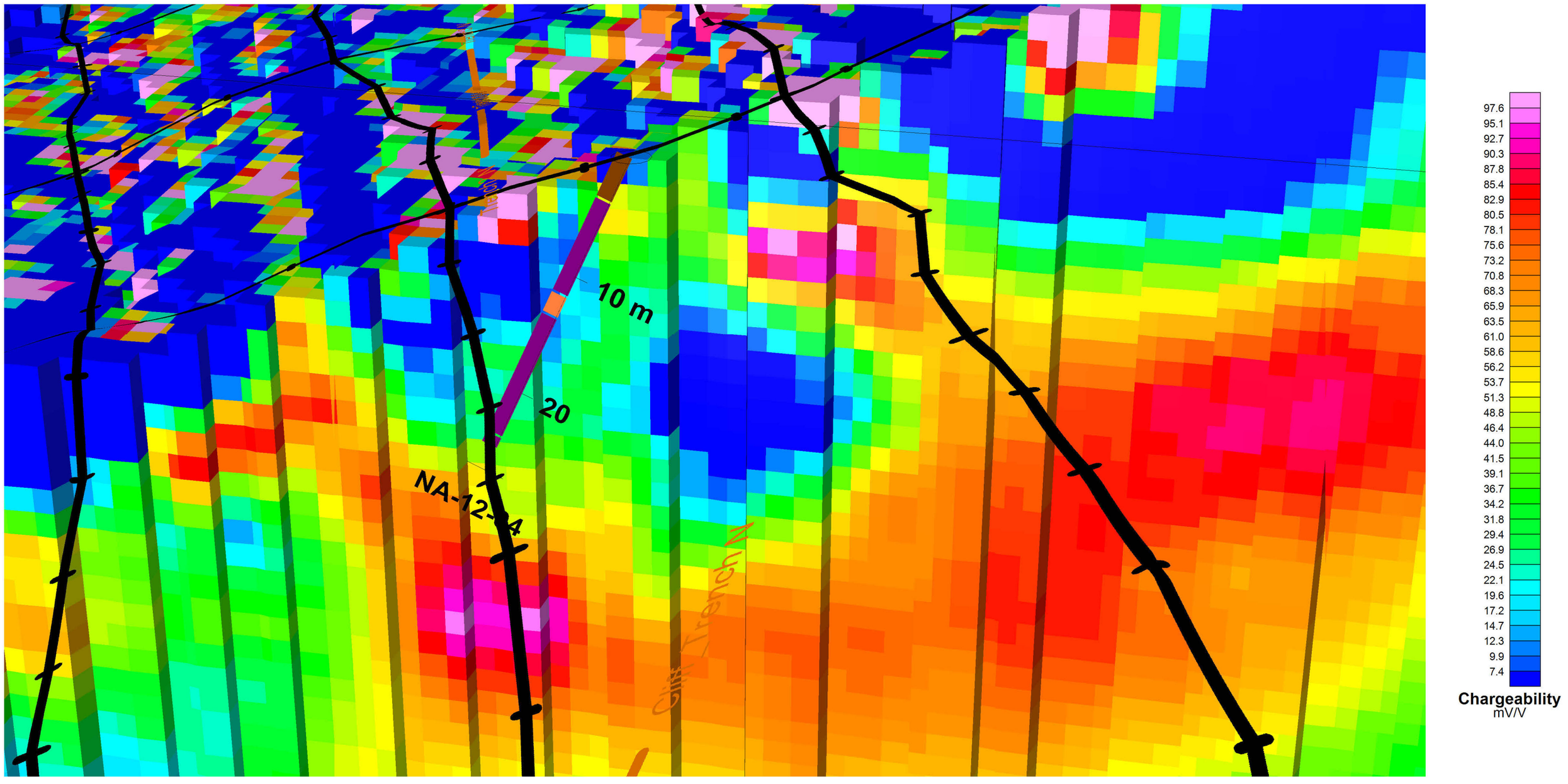
691.8
524.8
398.1
302.0
229.1
173.8
131.8
Resistivity
ohm.m


10 m
20
NA-12-24
97.6
95.1
92.7
90.3
87.8
85.4
82.9
80.5
78.1
75.6
73.2
70.8
68.3
65.9
63.5
61.0
58.6
56.2
53.7
51.3
48.8
46.4
44.0
41.5
39.1
36.7
34.2
31.8
29.4
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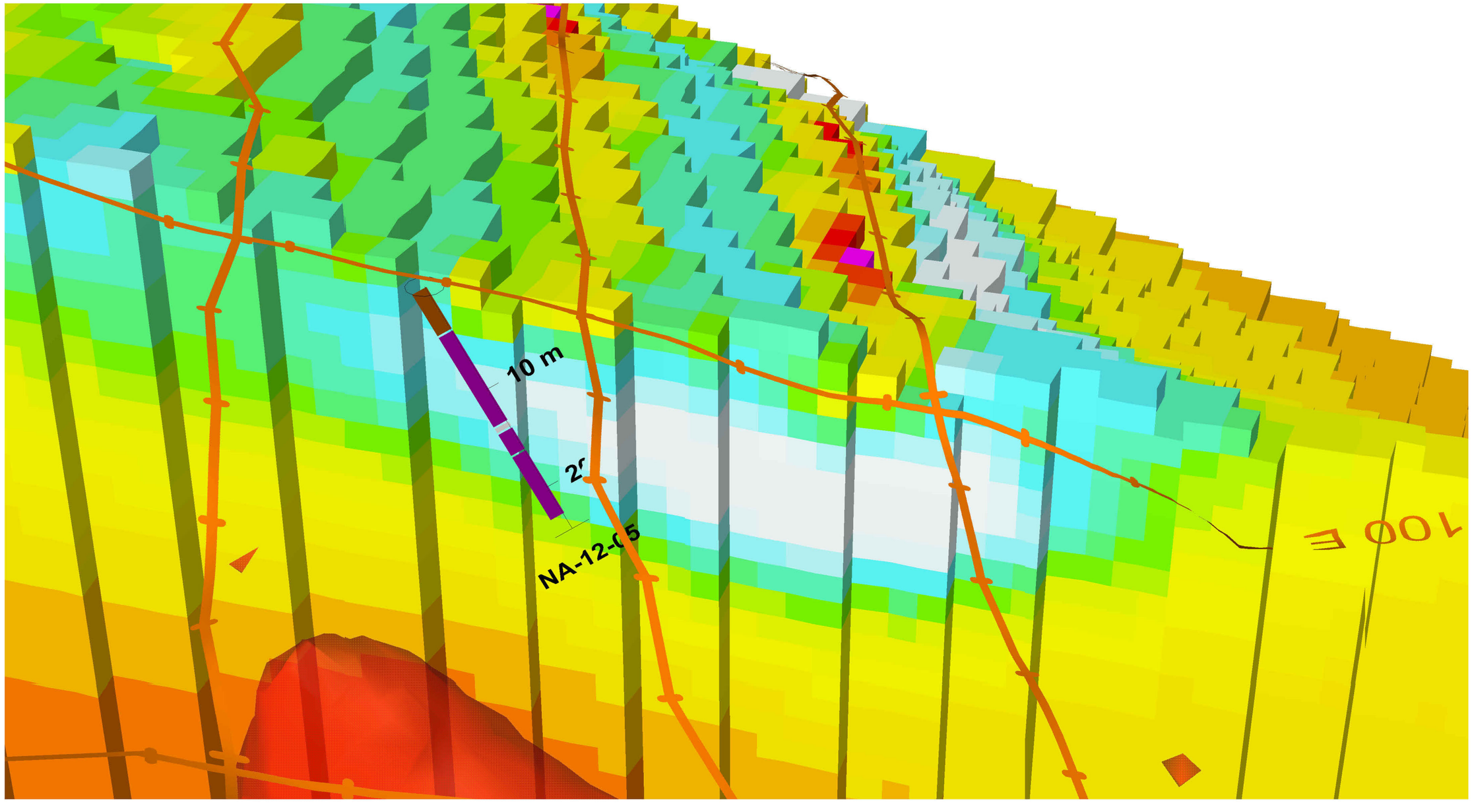
22.1
19.6
17.2
14.7
12.3
9.9
7.4
Chargeability
mV/V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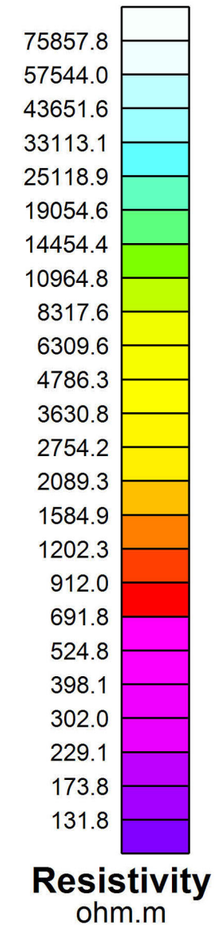
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6309.6
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3630.8
2754.2
2089.3
1584.9
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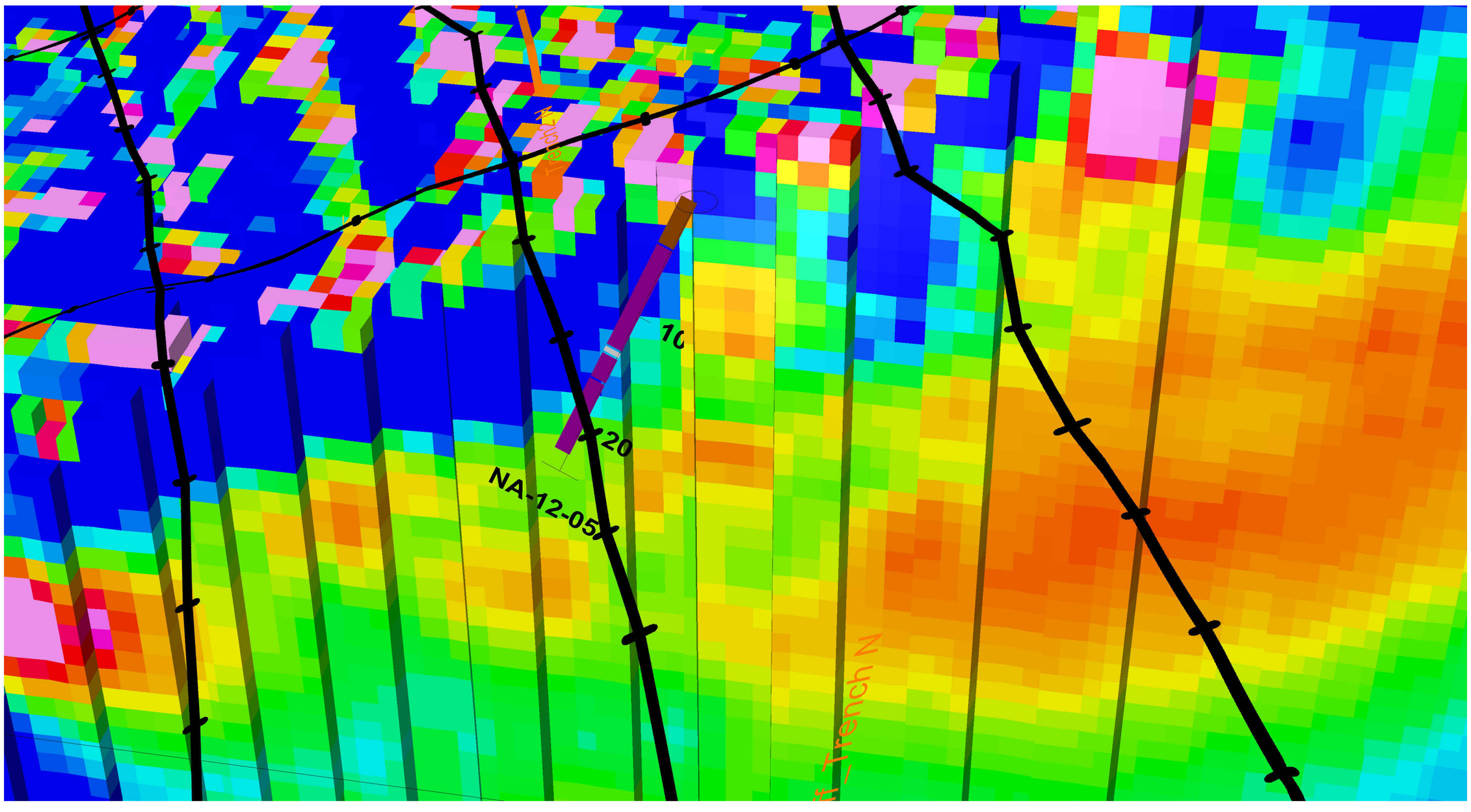
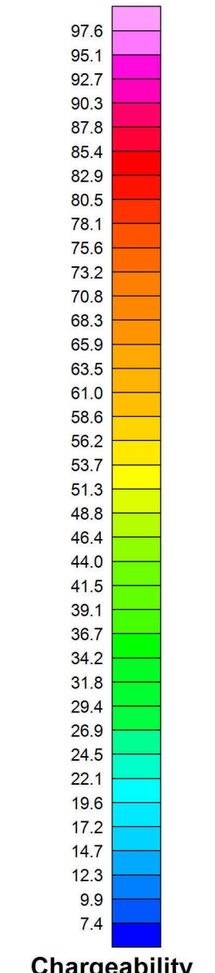
691.8
524.8
398.1
302.0
229.1
173.8
131.8
Resistivity
ohm.m


NA-12-05
Trench N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95.1
92.7
90.3
87.8
85.4
82.9
80.5
78.1
75.6
73.2
70.8
68.3
65.9
63.5
61.0
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56.2
53.7
51.3
48.8
46.4
44.0
41.5
39.1
36.7
34.2
31.8
29.4
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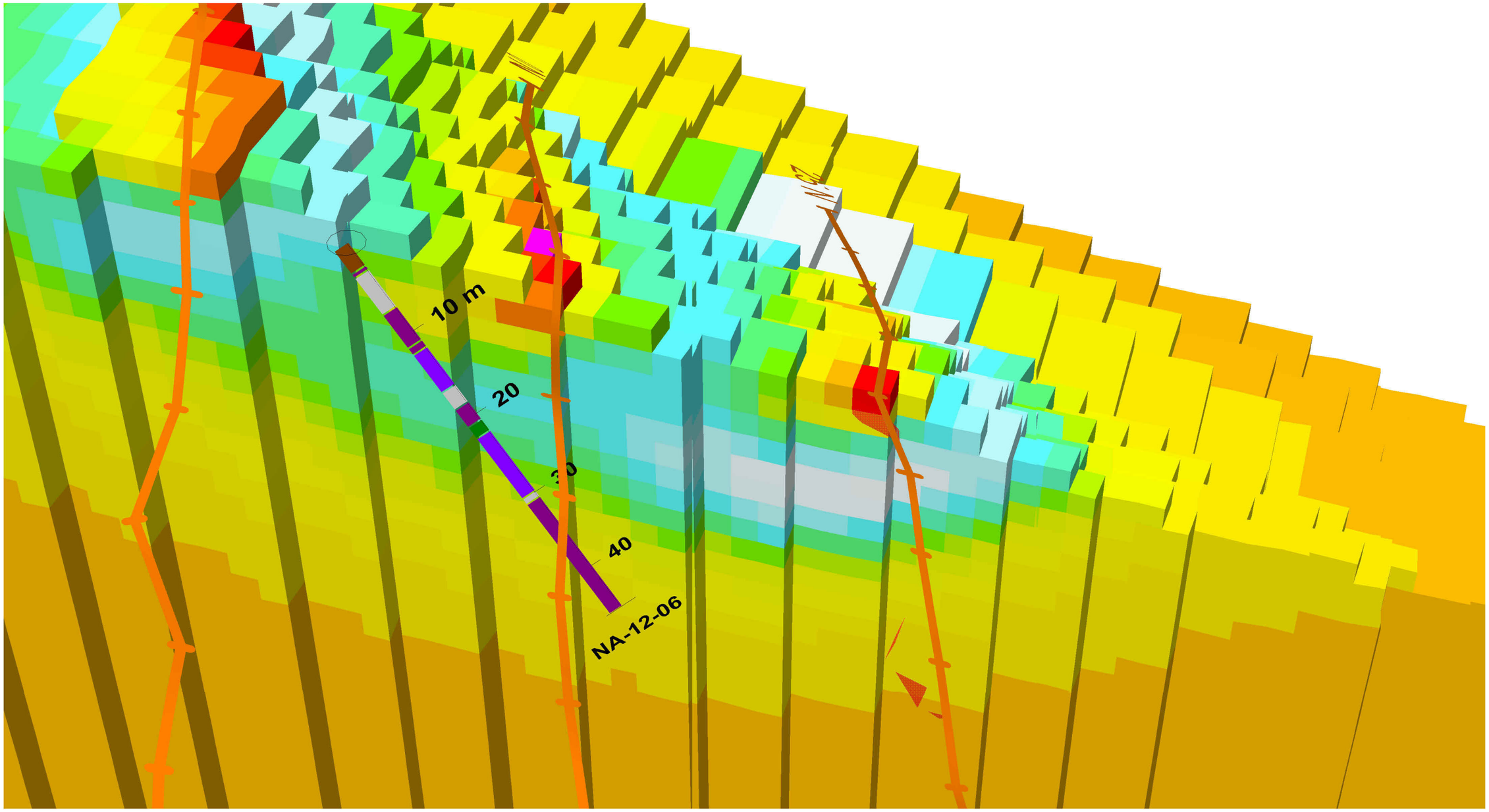
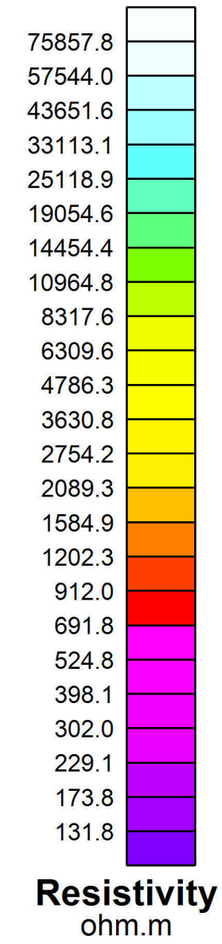
22.1
19.6
17.2
14.7
12.3
9.9
7.4
Chargeability
mV/V


10 m
20
30
40
NA-12-06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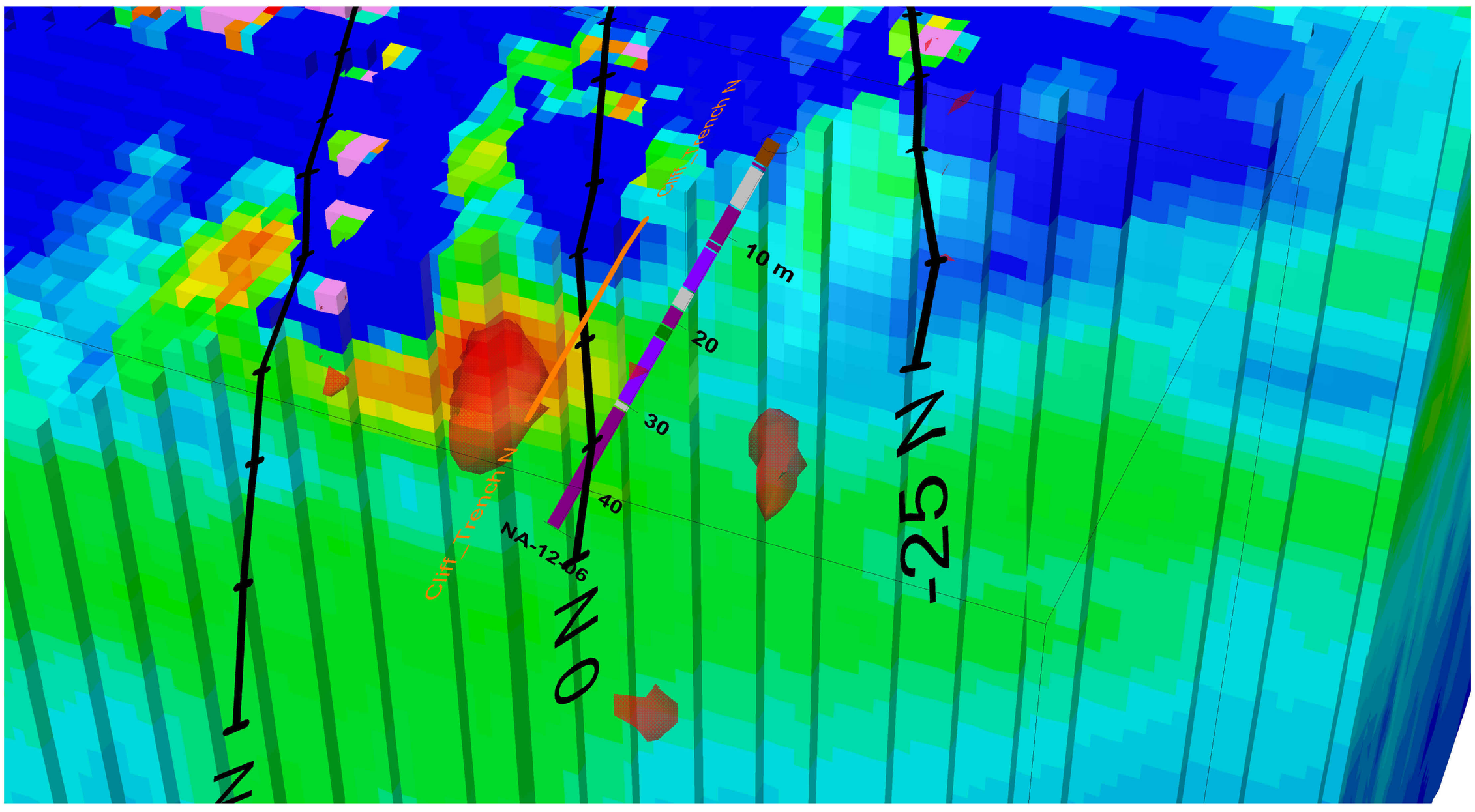
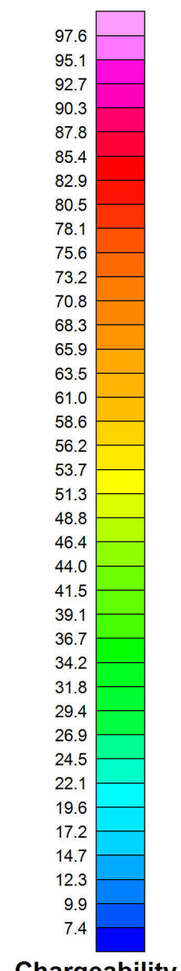
33113.1
25118.9
19054.6
14454.4
10964.8
8317.6
6309.6
4786.3
3630.8
2754.2
2089.3
1584.9
1202.3
912.0
691.8
524.8
398.1
302.0
229.1
173.8
131.8
Resistivity
ohm.m


Cliff_Trench N
10 m
20
30
40
NA-12-06
N 25° W
N 65° E


97.6
95.1
92.7
90.3
87.8
85.4
82.9
80.5
78.1
75.6
73.2
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68.3
65.9
63.5
61.0
58.6
56.2
53.7
51.3
48.8
46.4
44.0
41.5
39.1
36.7
34.2
31.8
29.4
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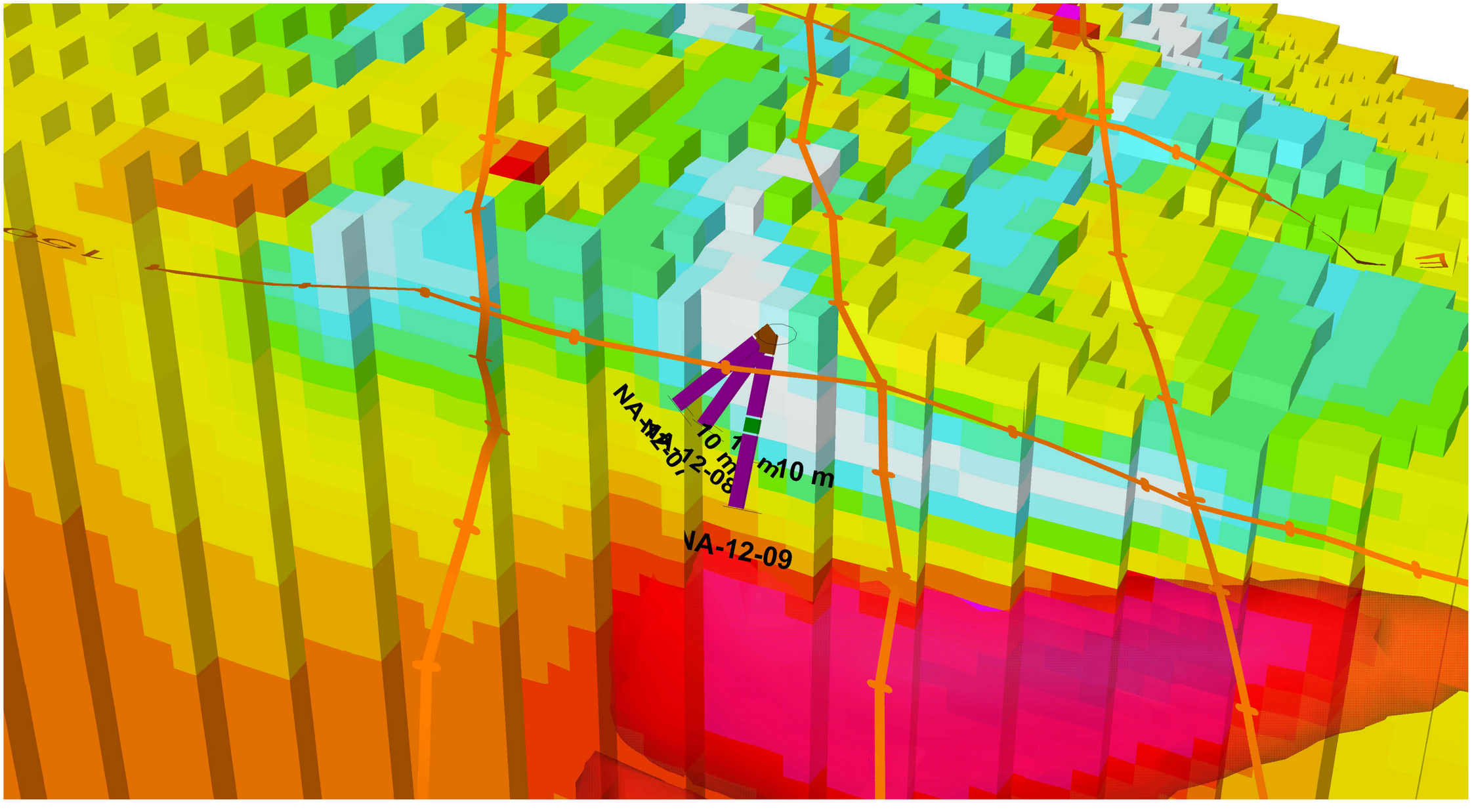
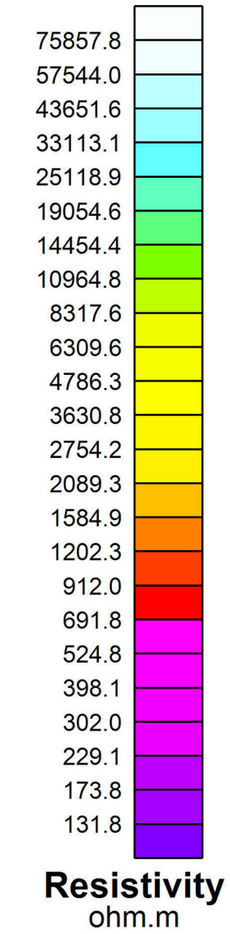
24.5
22.1
19.6
17.2
14.7
12.3
9.9
7.4
Chargeability
mV/V


NA-12-07
10 m
10 m
NA-12-09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43651.6
33113.1
25118.9
19054.6
14454.4
10964.8
8317.6
6309.6
4786.3
3630.8
2754.2
2089.3
1584.9
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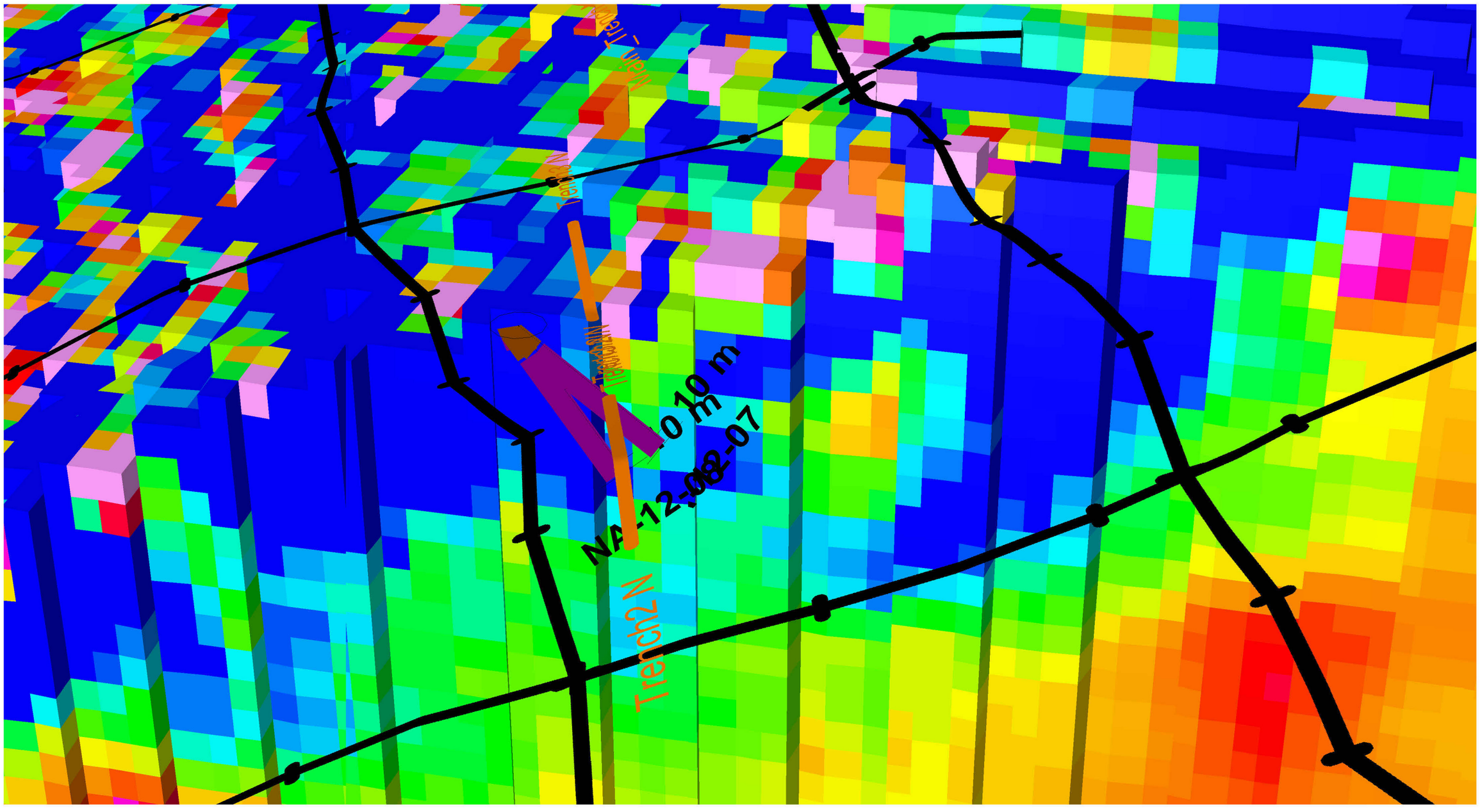
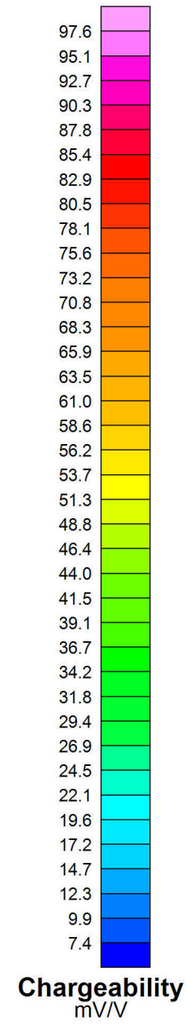
229.1
173.8
131.8
Resistivity
ohm.m


Trench2 N
NA-12-08-07
10 m


97.6
95.1
92.7
90.3
87.8
85.4
82.9
80.5
78.1
75.6
73.2
70.8
68.3
65.9
63.5
61.0
58.6
56.2
53.7
51.3
48.8
46.4
44.0
41.5
39.1
36.7
34.2
31.8
29.4
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19.6
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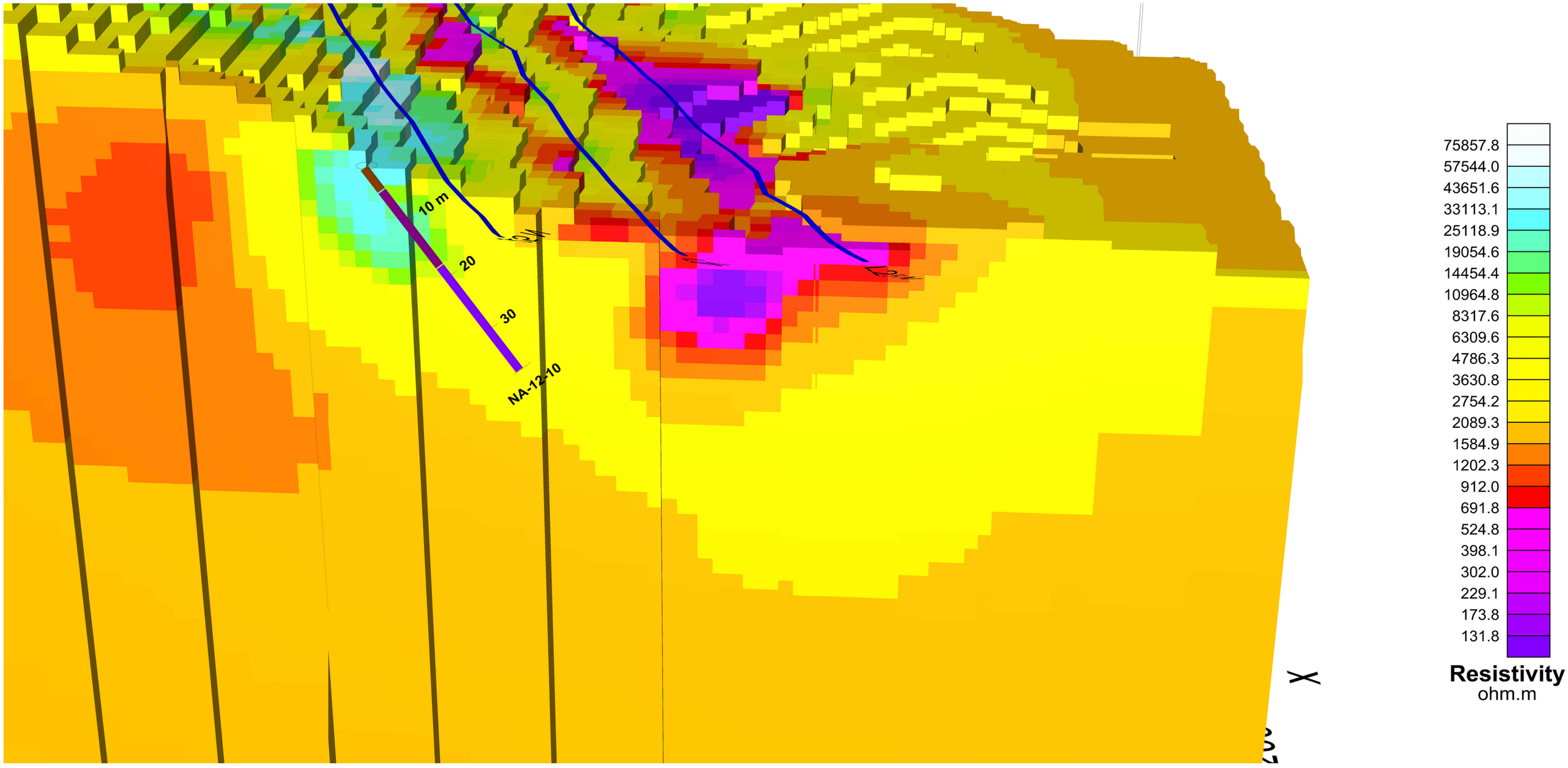
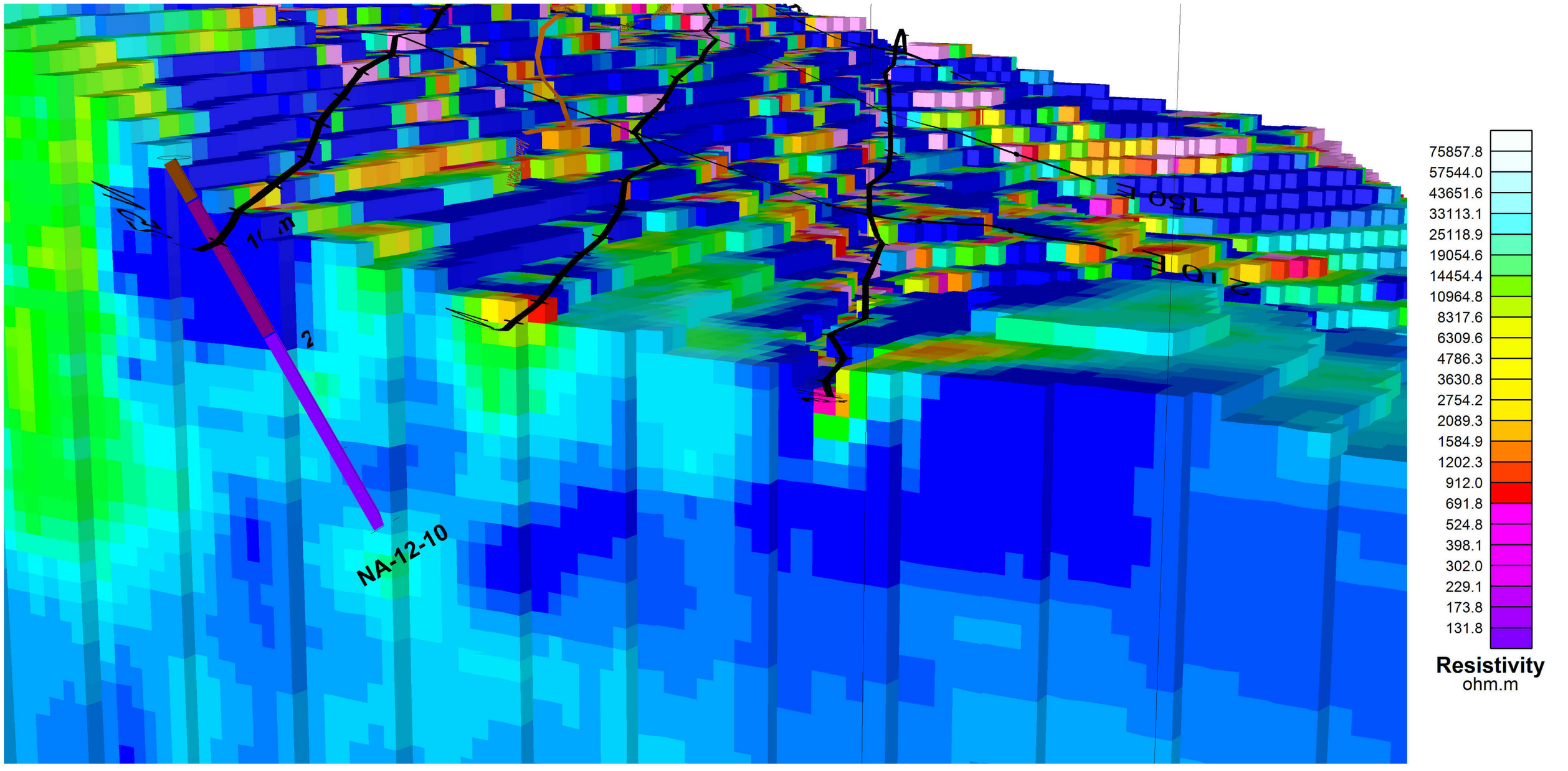
14.7
12.3
9.9
7.4
Chargeability
mV/V


10 m
20
30
NA-12-10
75857.8
57544.0
43651.6
33113.1
25118.9
19054.6
14454.4
10964.8
8317.6
6309.6
4786.3
3630.8
2754.2
2089.3
1584.9
1202.3
912.0
691.8
524.8
398.1
302.0
229.1
173.8
131.8
Resistivity
ohm.m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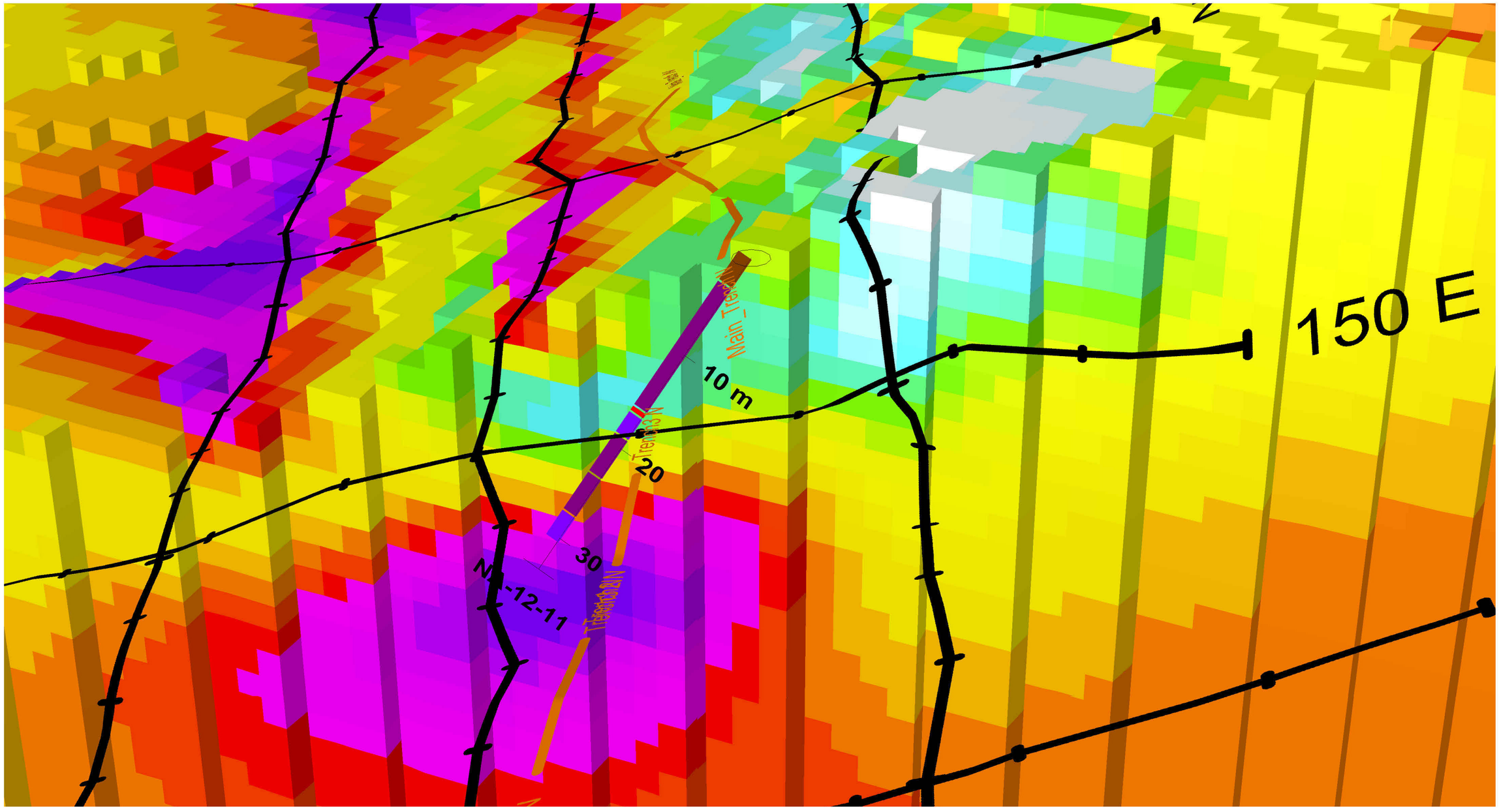
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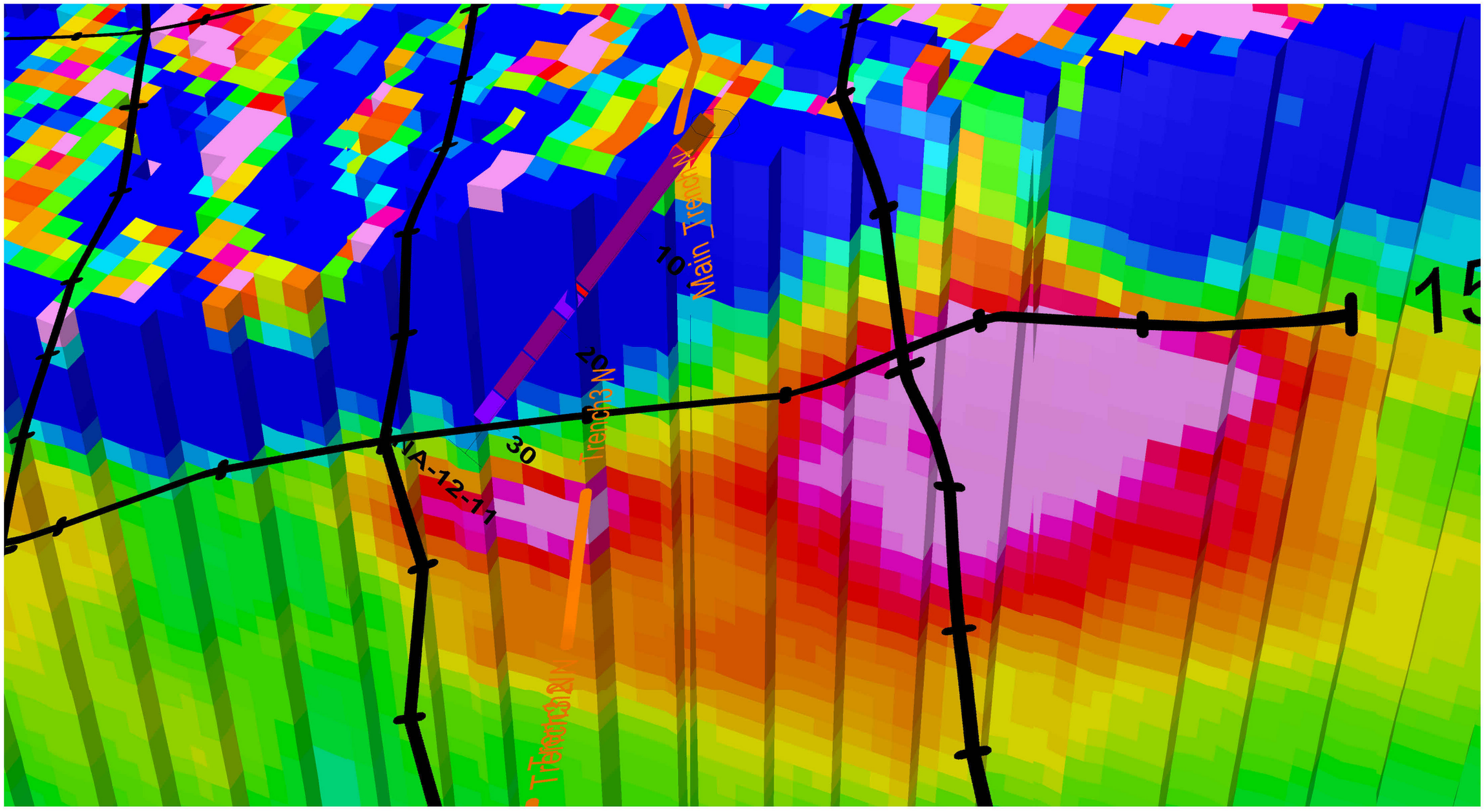
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Chargeability
mV/V

Trench3 N

Main_Trench N

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10 m

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NA-12-12

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Resistivity
ohm.m

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Trench3 N

Main_Trench N

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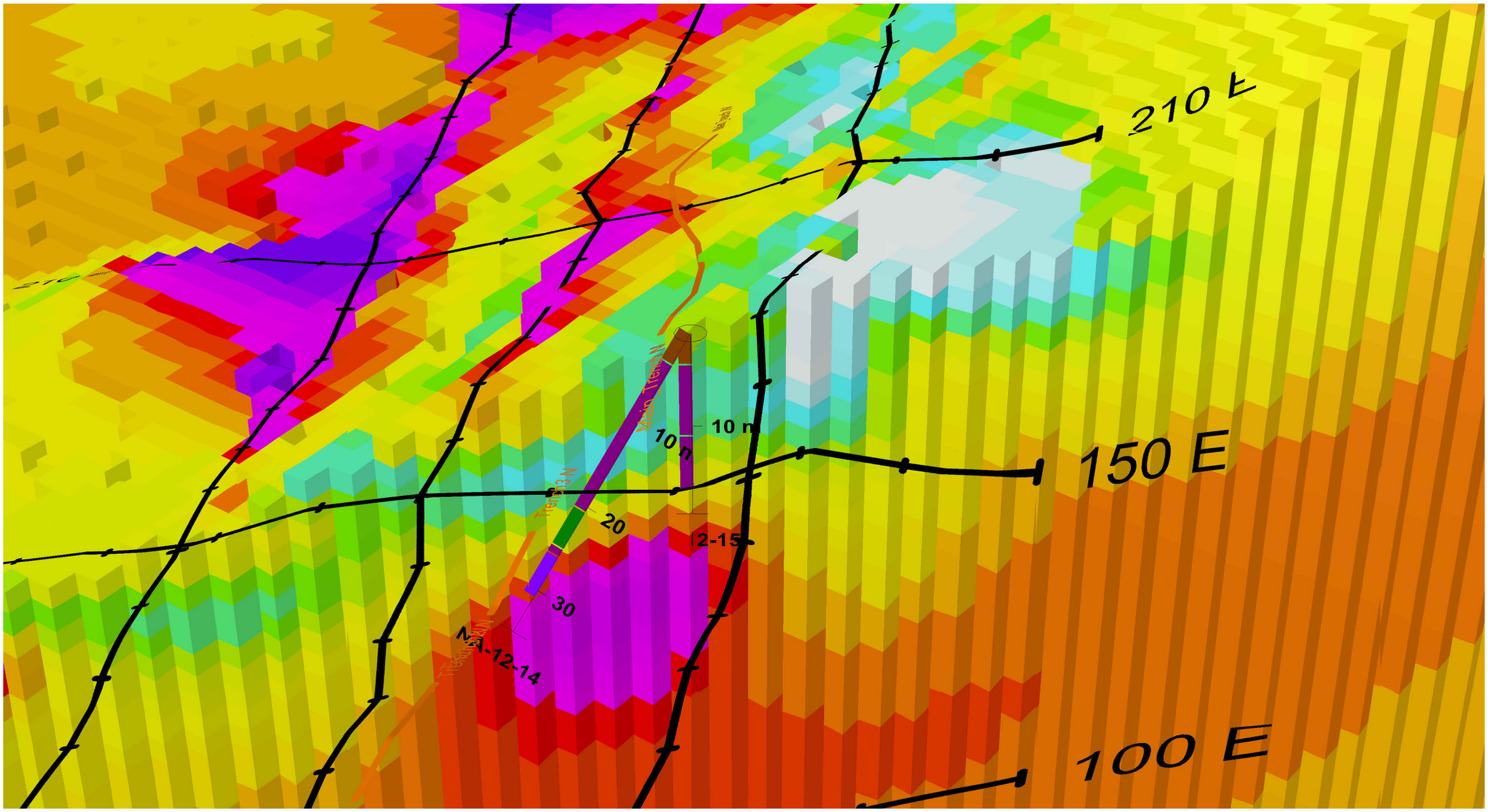
Chargeability
mV/V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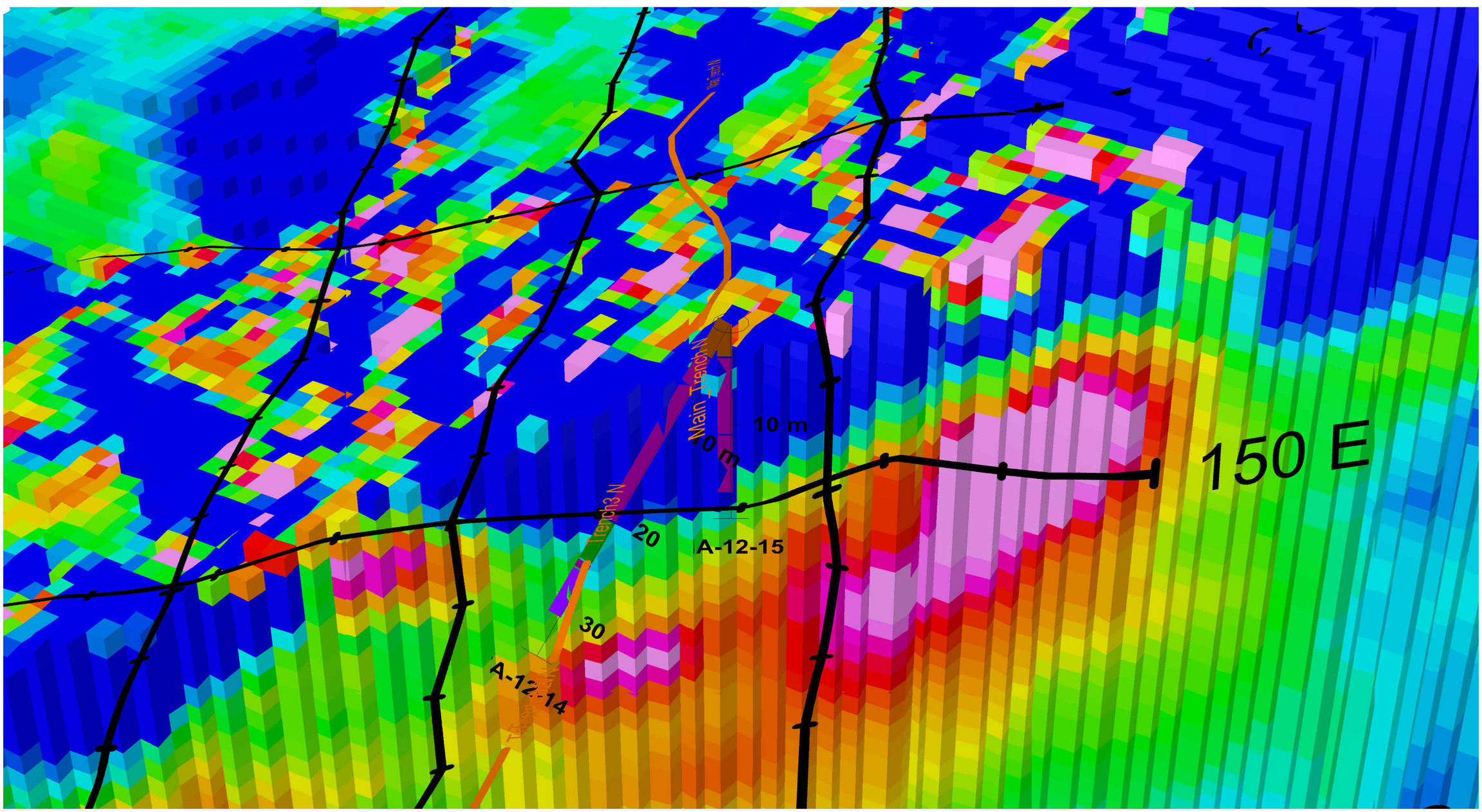
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Chargeability
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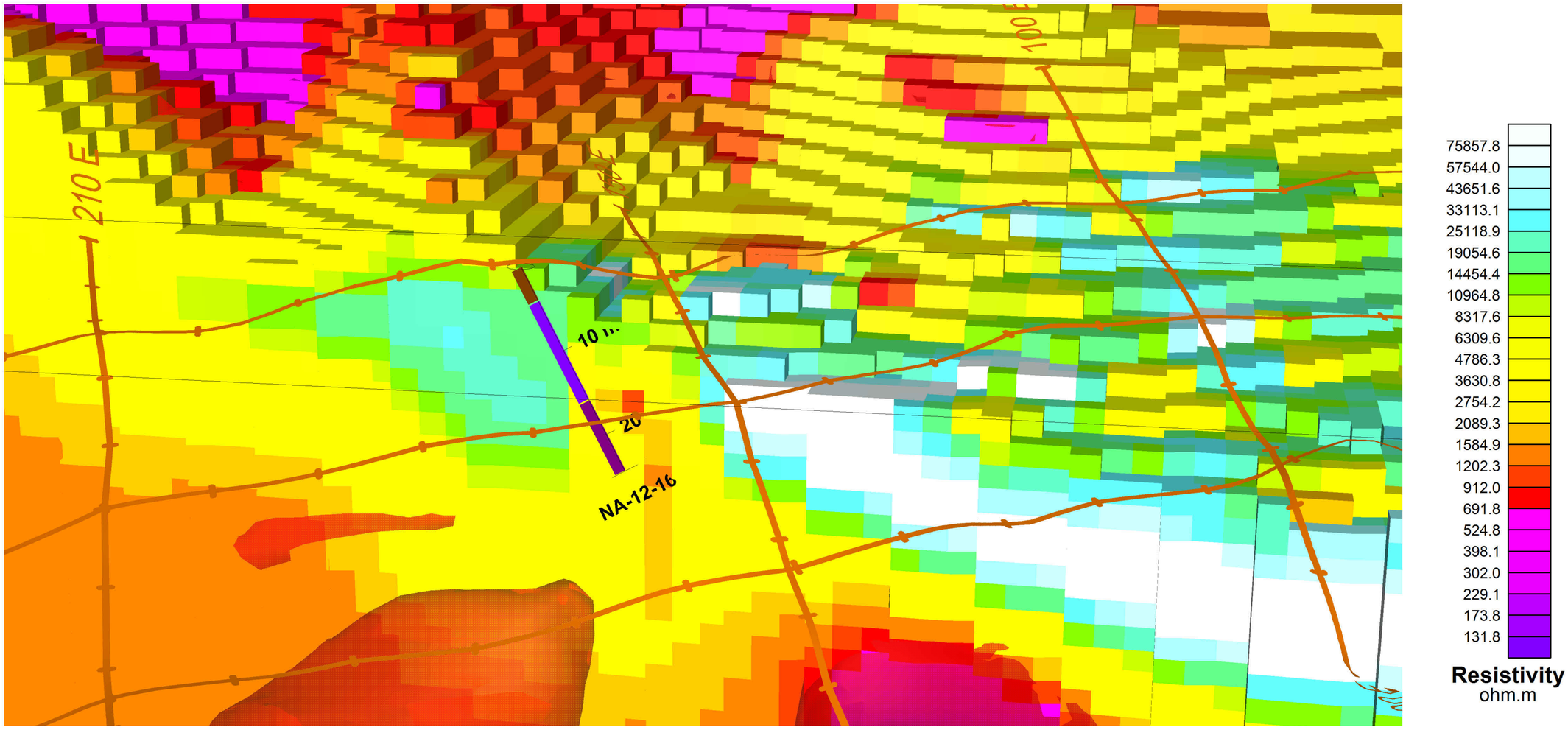
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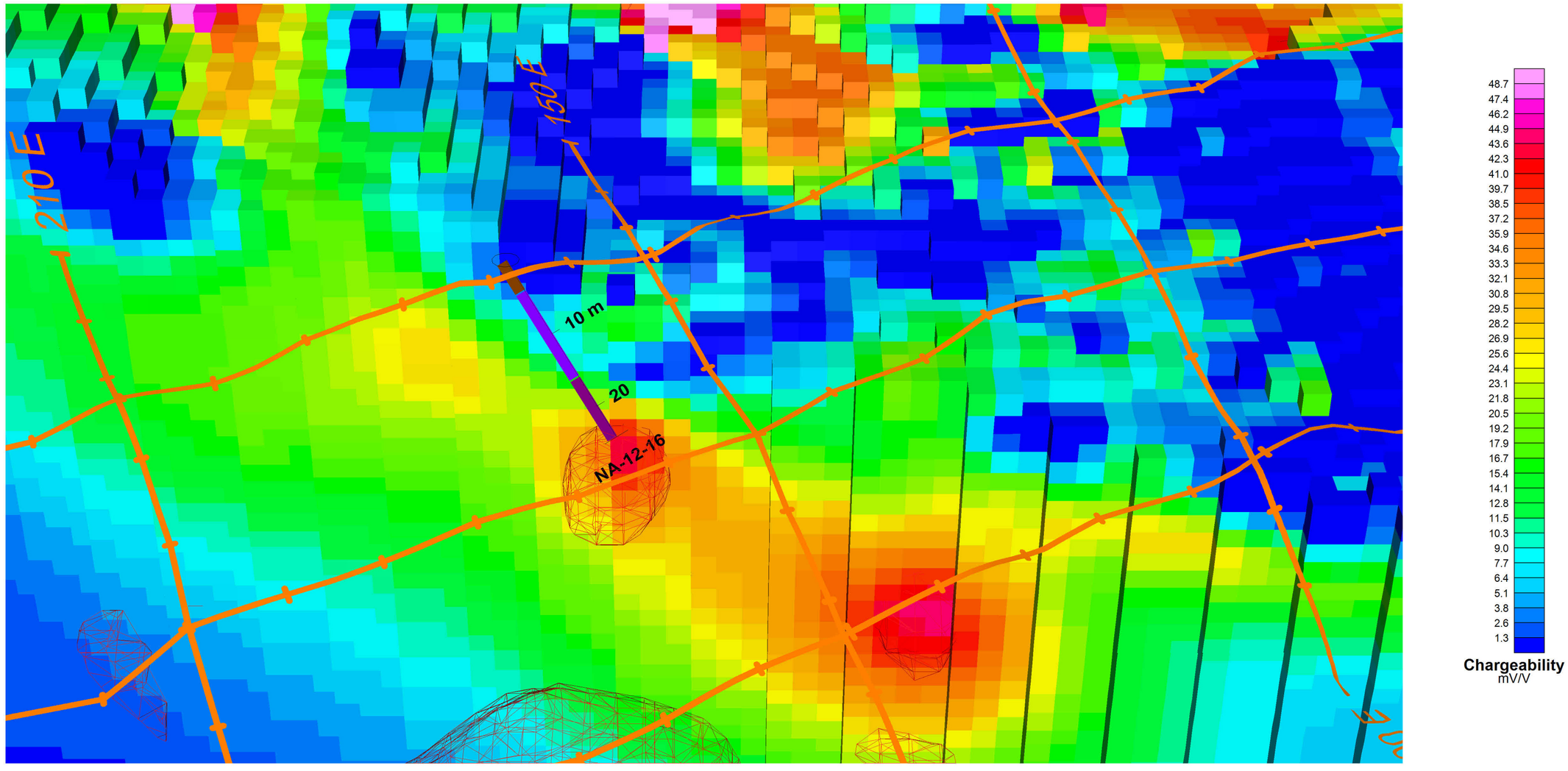
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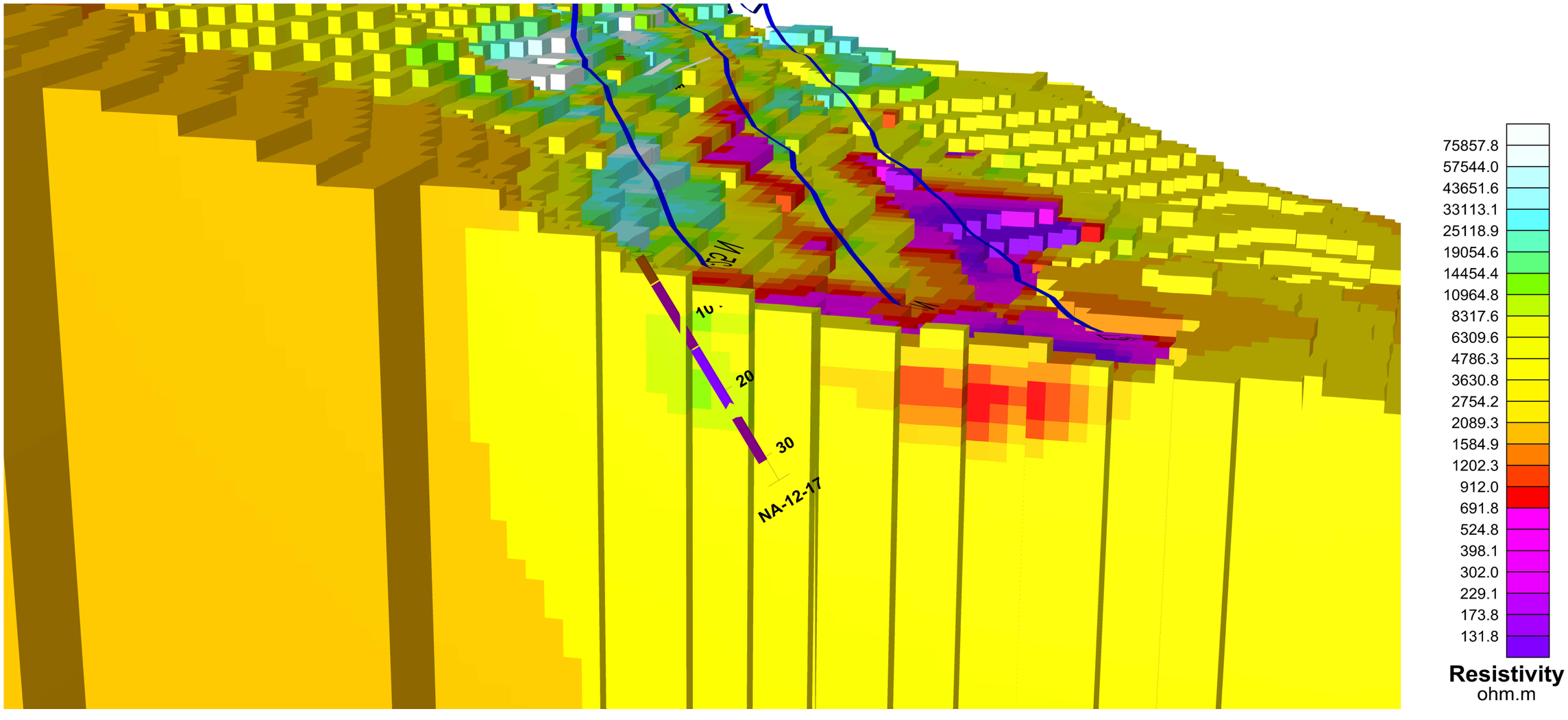
Chargeability
mV/V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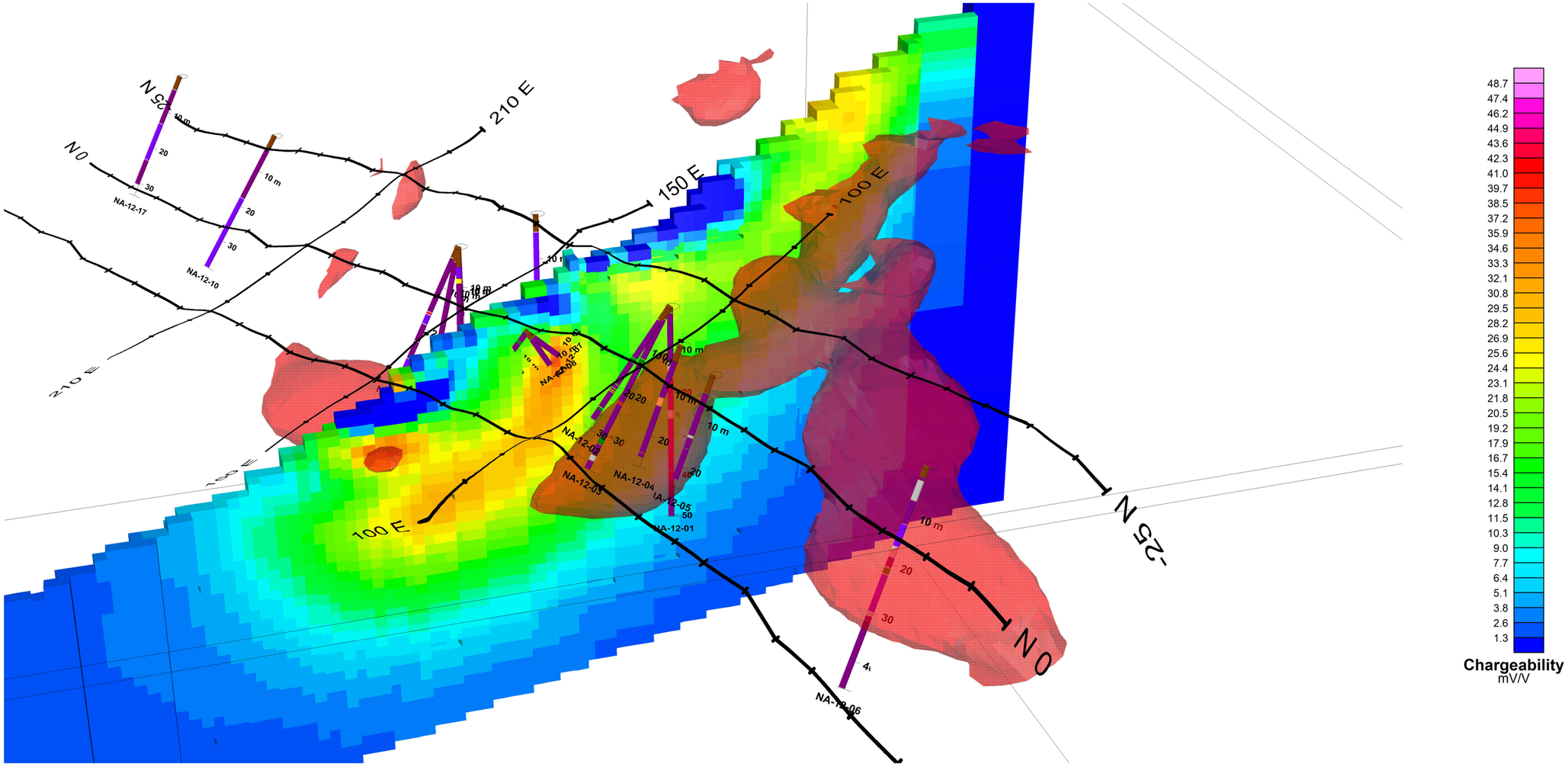
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Chargeability
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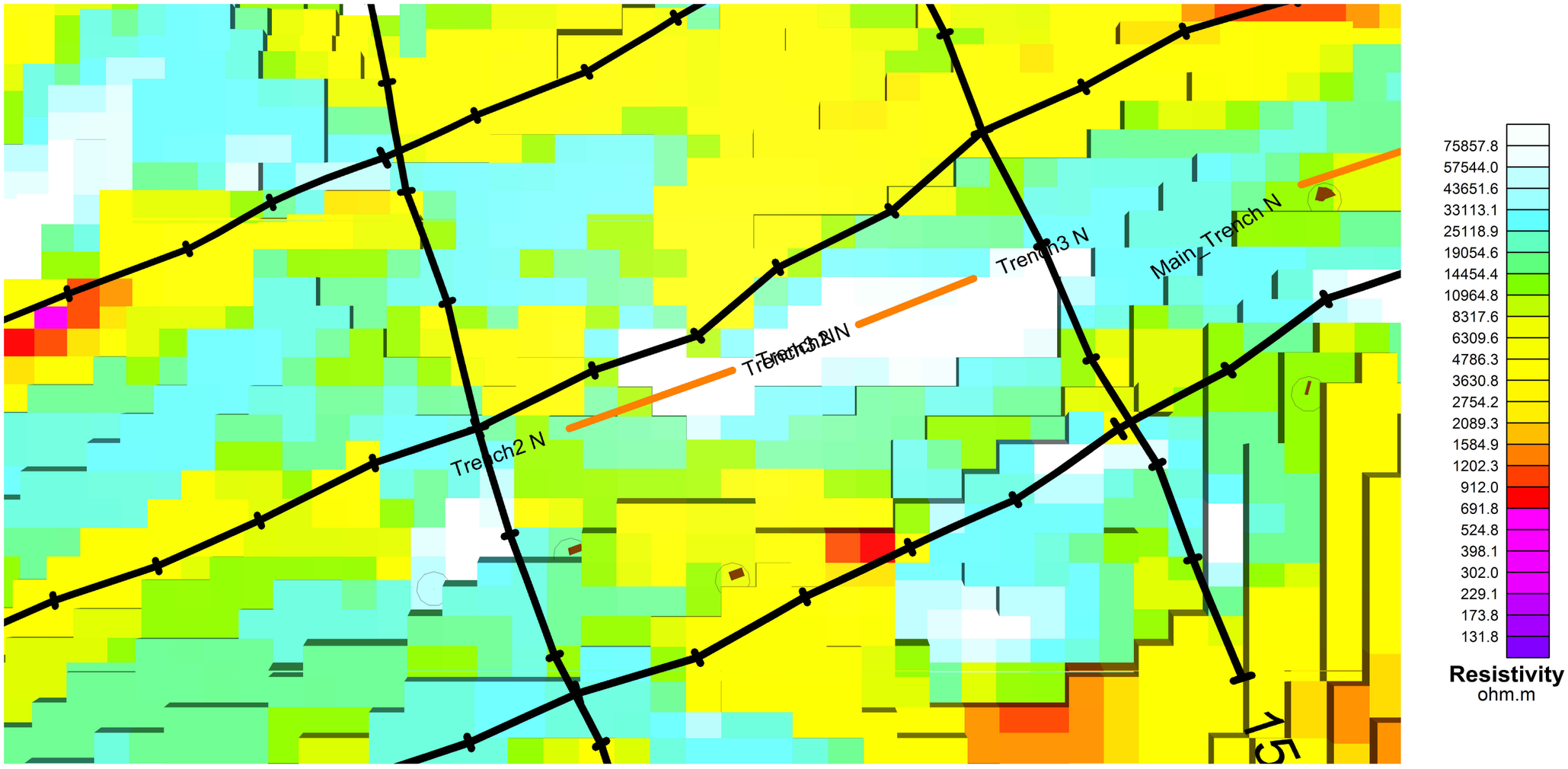
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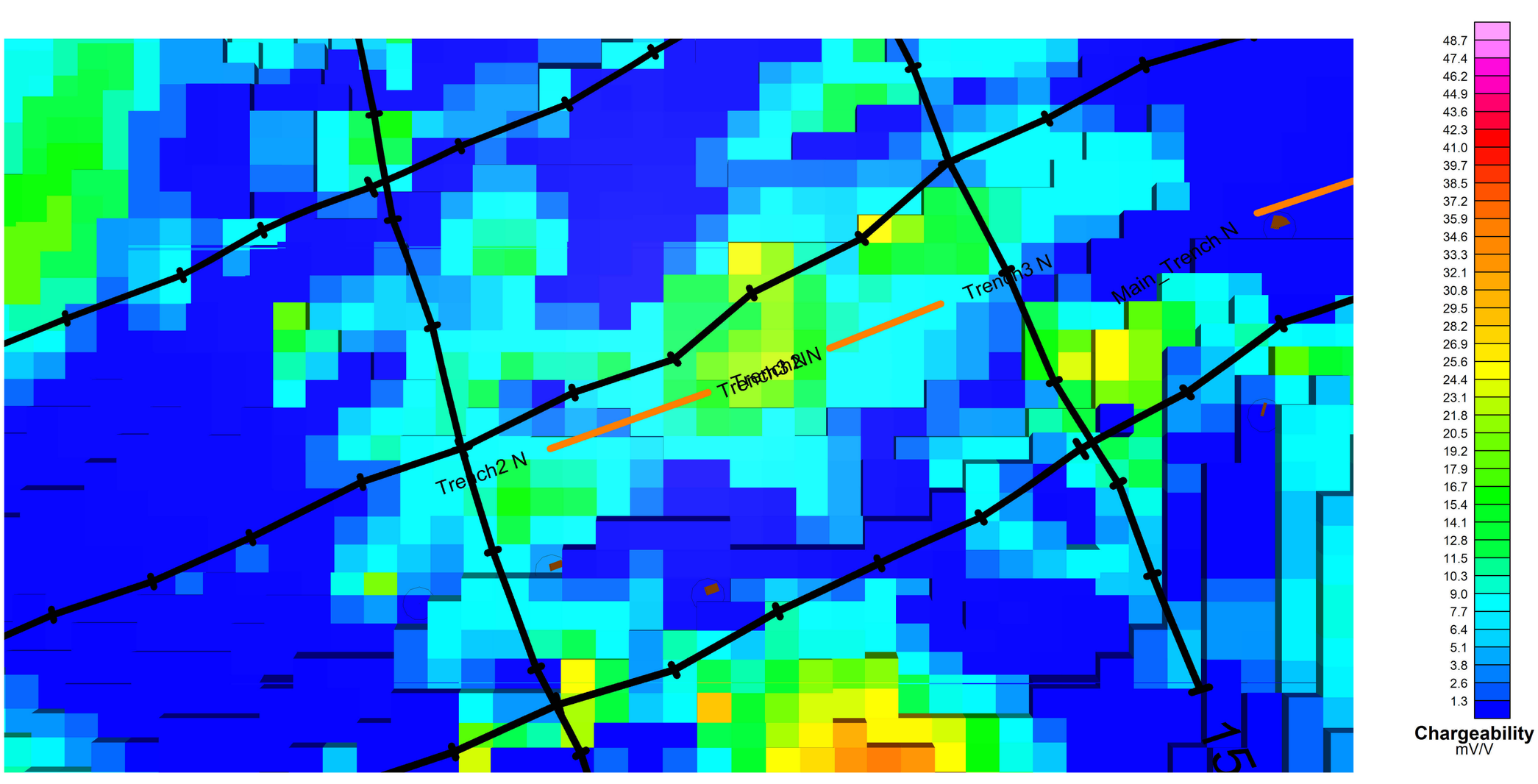
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Chargeability
mV/V

Appendix V *– Nabob (LQ00387) Post-Season Report for YTG-EMR*



Keno Hill Exploration Corp.

C/O MATTHIAS BINDIG
Box 15, Keno City, Yukon Y0B 1M0
Phone: 778.786.8945
E-Mail: keno.hill.exploration@gmail.com

March 25th, 2013

Mineral Resources Branch
Mayo Mining District
PO Box 10
Mayo Yukon Y0B 1M0

RE: Post Season Report for Mining Land Use Approval LQ00387 (Nabob Project)

ATTN: Alicia Jung (Mining Lands Officer)

Please find Post Season Report for Mining Land Use Approval LQ00387 (Nabob high-grading operation, Keno Hill) attached. If you require any additional information please do not hesitate to contact me at your earliest convenience.

Kind regards,

Matthias Bindig

Encl – 12p.

Post-Season Report
for Nabob Bulk Sampling – High-grading Program

LQ 00387 NABOB & HARPER

March 25th, 2013

By: *Matthias Bindig, Owner & Operator KHEC*



KENO HILL EXPLORATION CORP.
C/O MATTHIAS BINDIG
BOX 15, KENO CITY, YUKON Y0B 1M0
PHONE: 778.786.8945
E-MAIL: KENO.HILL.EXPLORATION@GMAIL.COM

SUMMARY OF ACTIVITIES

During the 2012 field season the Applicant, Keno Hill Exploration Corp. (*herein* KHEC) completed 1.7 line-kilometers of SC3DIP (Induced Polarization geophysics) performed by Aurora Geosciences Ltd., 17 diamond drill holes from 9 different collars and 5 trenches (104.5 m^3 cubic yards) completed by the applicant to target the extent of the Nabob vein system on the Nabob claim. No work was performed on the Harper claim. Three trenches were fully reclaimed immediately after examination, 1 trench was partially reclaimed and prepared for mining (TR-12-01*) and a test-pit was left open for further examination. The applicant is currently logging the diamond drill core to send in vein intersections for geochemical analysis. Approximately 10 tonnes of Ag-Pb-Zn ore was extracted from the claim averaging an estimated 200 oz/t silver. The project was underway in July and was wrapped up in mid-September due to early snowfall.

1. Corridors & Road-work

The applicant did establish any corridors on the claim.

2. Trenching

Approximately 104.5 m^3 cubic yards of earth was moved representing 5 trenches on the claim. One trench was pre-existing and re-developed. All trench work was completed by a LC225 excavator and a D8 CAT. Three trenches were fully reclaimed immediately after examination, 1 trench was partially reclaimed and prepared for mining (TR-12-01*) and a test-pit was left open for further examination. A total of 104.5 m^3 was cut on the claim, of that 25.5 m^3 is still open (*i.e.*, not reclaimed). Historic trenches and previously disturbed ground was re-opened and expanded in several areas to expose the vein to extract ore. These historic trenches will see further mining in the up-coming season.

Trench	Start E/N	End E/N	Length (m)	Azimuth	Dimensions	Reclaimed?
TR-12-01*	0490224 / 7090903	0490233 / 7090907	11.0	073	11 X 1.5 X 1 = 16.5 m^3	Partially
TR-12-02	0490231/ 7090913	N/A	1.0	N/A	Test-hole 2 X 3 X 1.5m = 9m^3	No
TR-12-03	0490224/ 7090934	0490253/ 7090940	28.8	256	29 X 1.5 X 1 = 43 m^3	Yes
TR-12-04	0490287/ 7090935	0490293/ 7090921	15.0	339	15 X 1.5 X 1 = 22.5 m^3	Yes
TR-12-05	0490295/ 7090940	0490287/	9.0	234	9 X 1/5 X 1 = 13.5 m^3	Yes
					TOTAL m^3 CUT =	**104.5 m^3**
					TOTAL m^3 RECLAIMED =	**79 m^3**

3 & 4. Clearings

Nine clearings were cut for drilling, each clearing is approximately 10 X 10 m for a total of 900 m^2. Previously disturbed ground and the Silver Basin Gulch Road were used for most sites.

DDH	Easting	Northing	Azimuth	Dip	Depth (m)
NA-12-01	0490138	7090841	340	-90	50.29
NA-12-02	0490138	7090841	340	-45	30.48
NA-12-03	0490138	7090841	340	-55	38.10
NA-12-04	0490124	7090843	340	-65	26.82
NA-12-05	0490112	7090840	340	-65	24.38
NA-12-06	0490061	7090815	340	-65	38.10
NA-12-07	0490152	7090868	160	-45	10.67
NA-12-08	0490152	7090868	160	-60	13.72
NA-12-09*	0490154	7090872	80	-45	13.72
NA-12-10	0490282	7090900	350	-57	39.62
NA-12-11	0490190	7090874	340	-59	33.53
NA-12-12	0490190	7090874	285	-58	33.53
NA-12-13	0490190	7090874	285	-75	22.25
NA-12-14	0490190	7090874	310	-60	35.05
NA-12-15	0490190	7090874	310	-90	19.81
NA-12-16	0490187	7090857	285	-60	24.38
NA-12-17	0490320	7090918	340	-60	33.53
				TOTAL	**= 487.98 m**

A total of 17 diamond drillholes totaling 487.98 m were drilled on the Nabob claim from 9 different collar locations. All collar locations are reported in UTM NAD83 Zone 8N. DDH NA-12-09 was drilled from the same pad as 7 & 8.

5 & 6. Access Roads & Upgrades

Approximately 350 m of 4.5m-wide new access road were built to access drill sites (see 'Trenches & Roads' - Map, Appended). Approximately 250 m of the Silver Basin Gulch Road was upgraded, excavated wall-rock material from the historic main trench and historic overburden piles were used to build up the existing road between 1-3', thereby partially reclaiming and re-contouring the slope and area around the main trench.

7. New Trails

No new trails were established.

8. Off Road Usage

No off-road equipment was used during the program.

9. Explosives

No explosive work was performed during the 2012 program. All work was done near surface with an excavator to expose the vein and hand tools to extract pieces of the polymetallic vein material.

10. Total Disturbed Area

All of the mining activities occurred in areas of previously disturbed groung (refer to attached waypoint list). The applicant reclaimed 3 of 5 trenches. Old trenches were dug deeper and the hanging wall-side of the vein was stripped and exposed in several area's to prepare for mining in the 2013 season. The total disturbed area around the historic main trench is ~ 100m X 20 m (2000 m^2) and the disturbance at the existing trench at the Faro Gulch cirque wall is ~30 m X 20 m (600 m^2).

11. Total volume of material moved to Surface

No material was moved to surface from underground workings.

12. Reclamation Activities

All new exploration trenches were backfilled and reclaimed. Part of the historic overburden pile (material from the main historic trench) was recontoured and used to upgrade the Silver Basin Gulch Road. This work is part of progressive reclaimation in the main trench and should result in a decrease in snowdrift build-up in the area surrounding the main workings, prevent water pooling, allow for earlier seasonal access and decrease potential for potential acid metal leaching.

13. Camp

N/A - No camp was established on site, the applicant lives just outside Keno City and used his residence for the exploration & mining program. No structures were built on site. An old (pre-existing) privy was repaired for use on the claim.

14. Fuel Storage

N/A - No fuel was left on the claim – fuel needed was hauled up to the site daily in the back of trucks.

15. Location Map

Appended.

17. Activities & Disturbances

Appended – see waypoint lists and maps.

19. Bulk Sampling Update - Surface High-grading

Approximately 10 tonnes of silver-lead-zinc ore was extracted from near surface exposures of the Nabob vein system averaging and estimated 200 oz/t silver. No ore was shipped and therefore no profit/royalties were made - this ore is currently stored on a private lot in appropriate ore bags.

20. Permafrost Encounters

Most of the area's that were worked during the program had very little overburden and therefore few small lenses of permafrost were encountered. The bedrock appeared to be frozen in some locations close to the Main Fault as a result of the nature of the highly fractured rock. There was no permafrost encountered in the new trenches and only small pockets of ice were encountered in areas mined.

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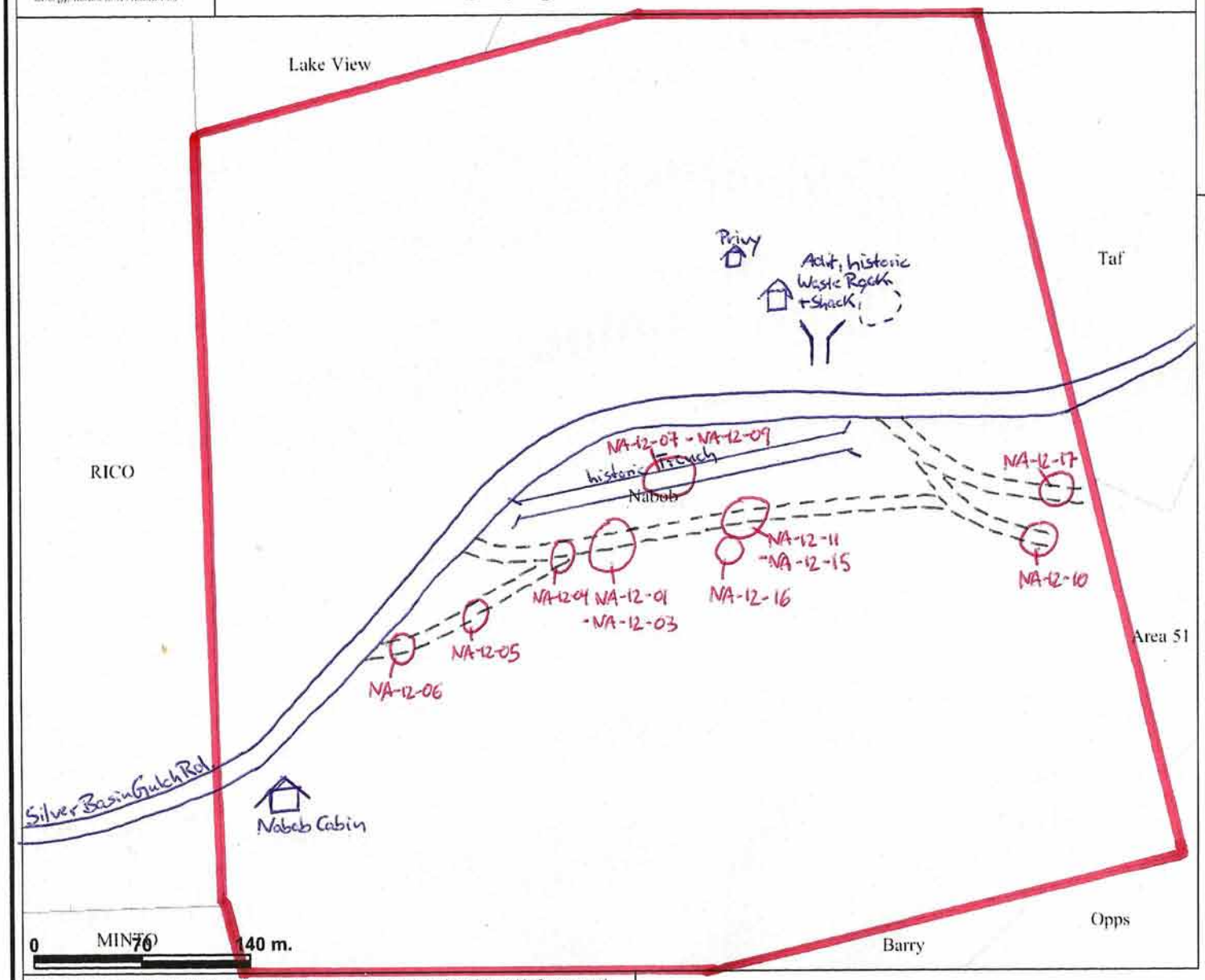
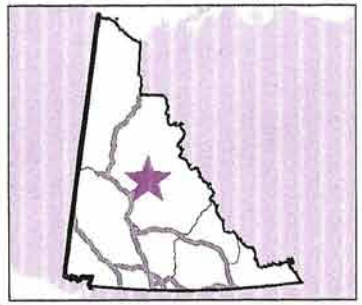
Energy, Mines and Resources

Nabob Drill Sites





Legend

- Yukon Border - Surveyed
- National Road Network - All Roads
- Expressway / Highway
- Arterial
- Collector
- Ramp
- Resource / Recreation
- Local / Street
- Local / Strata
- Local / Unknown
- Alley or Service Lane
- Service Lane
- Winter
- Waterbodies (50k)
- Dry river bed
- Navigable canal
- Sand
- Water disturbance
- Waterbody
- Waterbody
- Places (All)
- City
- Town
- Municipality
- Village
- Community
- Settlement
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- Hamlet
- Historic Site
- CSW_QUARTZ_CLAIM_60DAYS
- CSW_QUARTZ_ADJOINING_PARCEL

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Scale: 1:3,819

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

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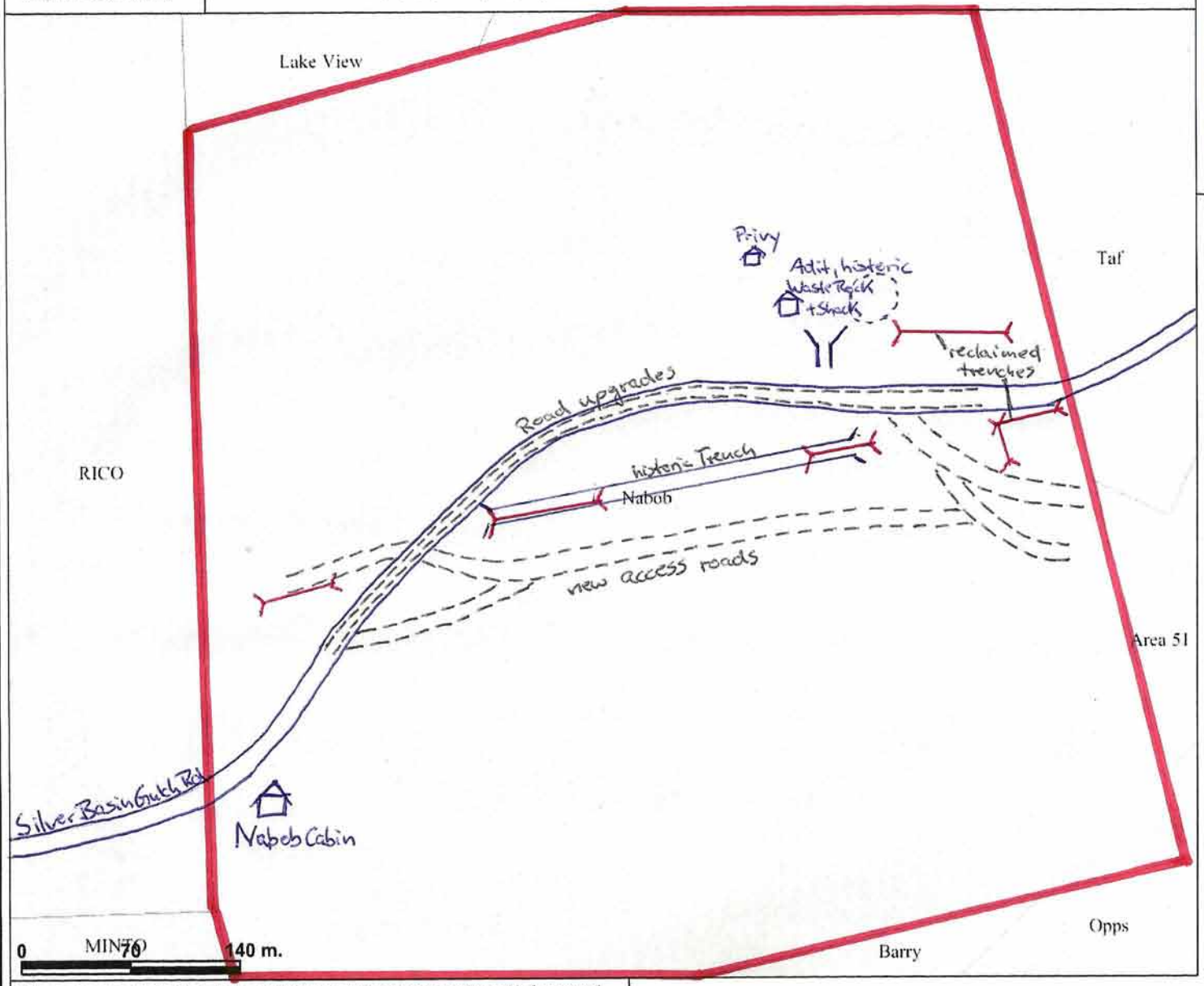
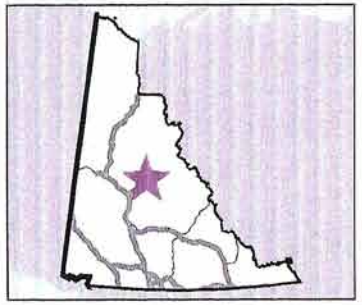
Energy, Mines and Resources

Nabob Trenches + Roads





Legend

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- Alley or Service Lane
- Service Lane
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Waterbodies (50k)

- Dry river bed
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- Sand
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- Waterbody
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Places (All)

- City
- Town
- Municipality
- Village
- Community
- Settlement
- Native Settle
- Hamlet
- Historic Site
- CSW_QUARTZ_CLAIM_60DAYS
- CSW_QUARTZ_ADJOINING_PARCEL

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Scale: 1:3,819

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01 : 0490030 / 7090818 ~ 1704 m
Main Fault / Nabob Vein Strike 68° ENE / Dip 65° S
old shaft, west end of trench

02 : 0490051 / 7090834 ~ 1707 m
east end of trench (55° ENE), Vein exposed (Breccia)
along strike of trench

03 : 0490058 / 7090841 ~ 1710 m
South end of trench (@ 14.65 m)

04 : 0490046 / 7090849 ~ 1689 m
north end of trench (14.65 m)

05 : 0490081 / 7090836 ~ 1704 m ?
Road crossing Baseline

06 : 0490088 / 7090860 ~ 1691 m
Ripper Cat trench with Quartz

07 : 0490146 / 7090787 ~ 1732 m
west end of trench (50° ENE - 39.26 m)
several Blast Pit's in trench, abundant rusty Quartz Vein material
up to Schist contact

08 : 0490177 / 7090811 ~ 1726 m
east end of trench (50° ENE - 39.26 m)
Schist Contact (15.01 m thick)

09 : 0490164 / 7090803 ~ 1724 m
Quartzite to Schist contact (Schist 15.01 m thick)

10 : 0490160 / 7090809 ~ 1719 m
south end of trench (142°SE, 34.73m)
Vein float in Blast Pit (Breccia) transverse Vein (00°N ?)

11 : 0490139 / 7090836 ~ 1716 m
north end of trench (142°SE, 34.73m)

12 : 0490136 / 7090858 ~ 1710 m
historic Nabob Shaft

13: 0490115 / 7090939 ~ 1681 m
centre of cat push (320°NW) with rusty Quartz

14 : 0490146 / 7090860 ~ 1710 m
Main Fault / Nabob Vein, approx 2 ft wide
Vein Breccia + Quartz (75°NE, 70°S)

15 : 0490151 / 7090865 ~ 1705 m
Cross Cut (transverse Vein 00°N)

16 : 0490148 / 7090910 ~ 1692 m
Cat Push ?

17: 0490168 / 7090880 ~ 1705 m
Cross Cut (transverse Vein 00°N)

18: 0490172 / 7090869 ~ 1709 m
Blast Pit on transverse Vein ?

19 : 0490183 / 7090874 ~ 1709 m
Open Cut on transverse Vein (25°N)

20 : 0490196 / 7090879 ~ 1705 m
Blast Pit / Open Cut on transverse Quartz Vein (08° N)

21 : 0490209 / 7090888 ~ 1705 m
Blast Pit on transverse Quartz Vein (350° N)

22 : 0490224 / 7090901 ~ 1696 m
Cross Cut (Adit) on transverse Vein ?

23 : 0490216 / 7090922 ~ 1690 m
Adit

24 : 0490217 / 7090941 ~ 1685 m
Waste Rock Pile

25 : 0490231 / 7090913 ~ 1695 m
Blast Pit or old shaft ?

26 : 0490221 / 7091001 ~ 1671 m
Cat Push with rusty Quartz

27 : 0490251 / 7090904 ~ 1697 m
Centre of "Trench" (340° N) with Quartz Vein material

28 : 0490261 / 7090912 ~ 1694 m
end of main trench

29 : 0490222 / 7090867 ~ 1713 m
Start (west) of road / trench (50° NE) with abundant rusty Quartz

30 : 0490285 / 7090910 ~ 1696 m
east end of road / trench

Appendix VI - *AGL SC3DIP Invoices*

AURORA GEOSCIENCES

Aurora Geosciences Ltd.
3506 McDonald Drive
Yellowknife NT

Tel: 867-920-2729 **Fax:** 867-920-2739
E-mail: accounting@aurorageosciences.com

Invoice

Date	Invoice #
22/08/2012	11146

RECEIVED
AUG 28 2012

Invoice To

H. Coyne and Sons
14 MacDonald Road
Whitehorse, YT Y1A 4L2

Terms	P.O. No.	Project
Net 15 Days		KHE-12553-YT Nabob 3DSCIP 2012

Description	Qty	Unit	Rate	Amount	Tax
NABOB SC3DIP Property Location: YT Service Invoice July 9 to August 8, 2012					
Crew, Instrument & Equipment Preparation		Fixed Cost	750.00	750.00T	G
3D Inversions, Drill Planning, Rock Physics & Technician Time	76	Hrs	75.00	5,700.00T	G
Project Management QA/QC Dave Hildes - July 9 - August 8	16	Hrs	100.00	1,600.00T	G
SC3DIP Survey - July 11 - 14	4	Days	2,215.00	8,860.00T	G
Advance Applied			-5,000.00	-5,000.00	.
GST on Sales			5.00%	845.50	

POSTED
5364
Sept 5/12

Approved by	Joe Hoyle	**Subtotal**	$11,910.00
GST/HST No.	886365816	**GST/HST**	$845.50
Bank Info: Bank ID #003, Transit #09879, Account #1013606, RBC Royal Bank. Please quote invoice # and amount paid when making payments by emailing accounting@aurorageosciences.com		**Total**	$12,755.50



AURORA GEOSCIENCES

Aurora Geosciences Ltd.

3506 McDonald Drive
Yellowknife NT

Tel: 867-920-2729 Fax: 867-920-2739

E-mail: accounting@aurorageosciences.com

Invoice

Date	Invoice #
8/03/2012	11076

Invoice To

H. Coyne and Sons
14 MacDonald Road
Whitehorse, YT Y1A 4L2

Terms	P.O. No.	Project
Net 15 Days		KHE-12553-YT Nabob 3DSCIP 2012

Description	Qty	Unit	Rate	Amount	Tax
Nabob 3DSCIP 2012 Property Location: YT Expenses as per attached					
Accommodation & meals			37.70	37.70T	G
Field supplies			98.99	98.99T	G
Gas/Propane			399.55	399.55T	G
Administration charge on expenses (15%)			80.44	80.44T	G
GST on Sales			5.00%	30.83	

POSTED
536400
Aug 10/12

Approved by	[signature]	Subtotal	$616.68
GST/HST No.	886365816	GST/HST	$30.83
Bank Info: Bank ID #003, Transit #09879, Account #1013606, RBC Royal Bank. Please quote invoice # and amount paid when making payments by emailing accounting@aurorageosciences.com		Total	$647.51

Aurora Geosciences Ltd.

3506 McDonald Drive
Yellowknife, NT X1A 2H1

Tel: 867-920-2729 **Fax:** 867-920-2739

E-mail: accounting@aurorageosciences.com

Invoice

Date	Invoice #
08/04/2014	12064

Invoice To

H. Coyne and Sons
14 MacDonald Road
Whitehorse, YT Y1A 4L2

Terms	P.O. No.	Project
Net 15 Days, 2% M...		KHE-14513-YT Nabob 3DSCIP Report

Description	Qty	Unit	Rate	Amount	Tax
NABOB SC3DIP Report Property Location: YT Service Invoice February 1 - March 15, 2014					
Geophysical Report Preparation for Nabob 3DSCIP		Fixed Cost	3,000.00	3,000.00T	G
GST on Sales			5.00%	150.00	

Approved by		**Subtotal**	$3,000.00
GST/HST No.	886365816	**GST/HST**	$150.00
Bank Info: Bank ID #003, Transit #09879, Account #1013606, RBC Royal Bank. Please quote invoice # and amount paid when making payments by emailing accounting@aurorageosciences.com		**Total**	$3,150.00