NorthIsle Copper and Gold Inc.

2011 INDUCED POLARIZATION SURVEY REPORT
RUPERT GRID
ISLAND COPPER EAST BLOCK

Located in the Northern Vancouver Island Area
Nanaimo Mining Division
NTS 092L/12
50º 40' North Latitude
127 º 55' West Longitude

-prepared by-

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SUMMARY

In 2011 NorthIsle Copper and Gold Inc. conducted an Induced Polarization (IP) Survey at its Rupert Claim Block exploring for a possible porphyry type copper-gold-molybdenum mineralization.

Total of 21 line kilometers was surveyed. Survey was performed at the reconnaissance scale with widely spaced grid lines. Significant chargeability (IP) highs were detected in the western part of the Rupert Grid. These anomalies generally correspond to the known series of east-west trending porhyritic dykes apparently extending from the Rupert Stock which is located west of the property. Previous drilling of the porphyritic dyke swarm has intercepted relatively short intervals of copper and molybdenum mineralization and sporadic pyritization.

Results of 2010 survey confirm that IP survey as a method differentiates various geological units and their contacts on this property. IP survey inversions can be used to estimate overburden thickness.

Further infill IP survey is recommended for the area with increased chargeability responses.

The proximity of Island Copper Deposit – a historic producer located 3.8 km west of the Rupert property boundary – along with several other nearby deposits (e.g. Hushamu, Red Dog) still makes this property prospective.

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1.0 INTRODUCTION

This report details results of the 2011 exploration program performed on the Rupert Claim Block by NortIsle Copper and Gold Inc. Rupert Claim Block is an E-W-trending group of mineral claims 20 km long and 5.5 km wide stretching from the east end of Rupert Inlet 20 km southeast of Port Hardy, British Columbia (Figure 1).

2011 exploration program consisted entirely of geophysical work. A total of 21 line km of the induced polarization survey were conducted by Scott Geophysics Ltd.

2.0 PROPERTY TITLE

The Rupert Property comprises 21 mineral claims staked in March and May 2005 by Moraga Resources Ltd (Table 1). The property area totals 9704 hectares and all claims are currently held by NorthIsle Copper and Gold Inc.

Tenure No	Tenure Name	Area (ha)	Issue Date	Expiry Date
509465	mo 1	492.27	2005/mar/23	2012/oct/07
509466	mo 2	492.52	2005/mar/23	2012/oct/07
509467	mo 3	492.26	2005/mar/23	2012/oct/07
509468	mo 4	492.52	2005/mar/23	2012/oct/07
509469	mo 5	492.26	2005/mar/23	2012/oct/07
509470	mo 6	492.51	2005/mar/23	2012/oct/07
509471	mo 7	492.26	2005/mar/23	2012/oct/07
509472	mo 8	492.52	2005/mar/23	2012/oct/07
509474	mo 9	492.26	2005/mar/23	2012/oct/07
509475	mo 10	492.52	2005/mar/23	2012/oct/07
509476	mo 11	492.26	2005/mar/23	2012/oct/07
509479	mo 12	492.52	2005/mar/23	2012/oct/07
509480	mo 13	492.25	2005/mar/23	2012/oct/07
509481	mo 14	492.52	2005/mar/23	2012/oct/07
509482	mo 15	492.24	2005/mar/23	2012/oct/07
509483	mo 16	492.51	2005/mar/23	2012/oct/07
509485	mo 17	492.23	2005/mar/23	2012/oct/07
509486	mo 18	492.51	2005/mar/23	2012/oct/07
509487	mo 19	492.37	2005/mar/23	2012/oct/07
512103	FILL 12	123.05	2005/may/05	2012/oct/07
513183	CONNECT01	225.53	2005/may/22	2012/oct/07
Total (ha)		**9703.89**		

Table 1: Rupert Claim Block Tenures

Figure 1: Property Location Map

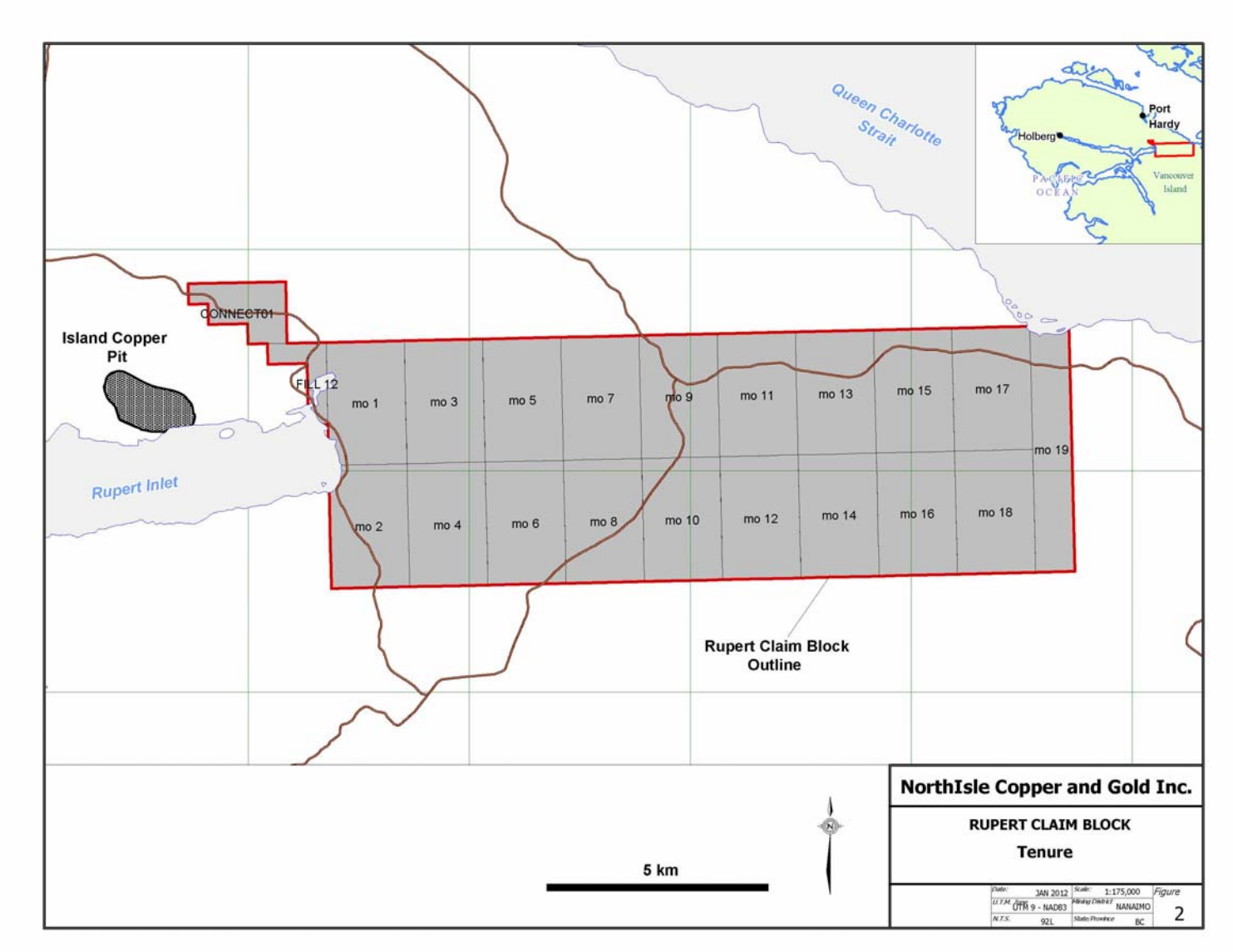

Figure 2: Tenure

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Rupert Claim Block is located in the northern Vancouver Island area, centred approximately at latitude 50° 40' and longitude 127° 55' and is covered by NTS map sheet 092L/12. Claim block extends from the tip of Rupert Inlet on the West to the Queen Charlotte Strait on the East.

Topography of the property is characterized by low, flat, till covered areas with very subtle relief. Elevations range from sea-level to 120 m.

Vegetation comprises a mix of second- and first-growth forest of fir, hemlock, spruce and cedar. Parts of the claim block are swampy. Logging has been active across the property for several decades so second growth areas are highly variable in terms of age, density and ease of access. Approximately 50% of the property area has been clear cut.

Climate is typical of coastal areas of British Columbia with an average annual rainfall in nearby Coal Harbour of 203 cm (Environment Canada online data). Monthly precipitation varies from a low of 4.7 cm in July, to a high of 32.7 cm in November. Temperatures are generally moderate at sea level with average daily minimum temperatures not lower than 0° at Coal Harbour.

An extensive network of radio controlled logging roads provides good access to most areas of the Rupert Claim Block. These roads exhibit a wide range of conditions, however, with the worst being completely impassable to vehicles. The Island Highway (Route 19) cuts through the eastern part of the property. Port Hardy is about 20 km drive to the North along this route.

4.0 PROPERTY EXPLORATION HISTORY

In 1962, the British Columbia Department of Mines and the Geological Survey of Canada jointly flew an airborne magnetic survey covering the northern part of Vancouver Island. This survey delineated a belt of north-westerly-trending magnetic highs north of Holberg and Rupert Inlets. Considerable exploration of these anomalies ensued, mostly focused on skarn-type iron deposits. During 1963 and 1964 several programs, mainly of stream sediment sampling, were conducted by numerous companies. No significant discoveries were made, however, and by 1965 very little interest was shown in the region (Muntanion and Witherley, 1982).

Things changed, however, with the discovery of the Island Copper Mine located 3.5 km west of the current Rupert Area boundary as described by Perelló et al. (1995). A local prospector named Gordon Melbourne staked a magnetic anomaly at Bay Lake near the eastern end of Rupert Inlet and in 1965 discovered chalcopyrite in float, then the bedrock source by trenching. Utah Construction and Mining Co. (Utah) optioned the property in January, 1966 and immediately began a program of mapping, soil sampling and ground geophysics, quickly followed by drill testing beginning in the spring of 1966. The discovery hole – the eighty-second of the program – was drilled in February, 1967 and intersected an 88 m interval grading 0.45% Cu. This was the first deep, follow-up hole drilled. This deposit was developed into the Island Copper Mine, with production beginning in October, 1971 and continuing until December, 1995. The mine

produced 345 million metric tonnes (t) of ore with average grades of 0.41% copper, 0.017% molybdenum, 0.19 g/t gold and 1.4 g/t silver (Perelló et al., 1995).

The Island Copper mine is located about four kilometers west of the Rupert Property. The property is almost entirely overburden-covered but was explored between the late 1960s and 2005.

Table 2 (Baker, 2006) summarizes all known exploration work carried out on the area comprising the Rupert Claim Block.

Program/Zones	Geochemistry	Geophysics	Drilling	Reference
1967–70 Ballinderry, Riviera Expo, Opex, Lorri	1210 soil samples	39.9 line-km IP, 56 line-km mag.		(Baird, 1970; Baird, 1968; Singhai, 1970b)
1974-1980 Utah East 86 Group			12 DDHs (R-01 to 12) for 1561.8m BQ; 545.6m NQ	(Kaiway, 1974; Lamb, 1976, 1977, 1980a, b)
Prior to 1982 Unknown			23 DDHs (C-31, C-98, C-99, C-312 to 314, C-330 to 333, BC-01, BC-03 to 14), at least 14 DDH prior to 1970	Location recorded on 1982 report map (Fleming et al. 1983), mentioned in (Singhai, 1970a)
1981 – 1982 Utah East 86 Group		124.8 line-km IP/Res., VLF-EM, and mag.		(Fleming et al., 1983)
1983 – 1984 Utah East 86 Group			4 DDHs (R-013 to 016) totalling 555.0m of NQ	(Clarke, 1986a; Fleming, 1983b; Holland and Fleming, 1984)
1985 Utah East 86 Group	1713 soils		1DDH R-017 totalling 169.5m of NQ	(Clarke, 1986a; Fleming, 1985a)
1986 Utah East 86 Group	2159 soils, select 1985 soils re-analyzed		1 DDH R-018 totalling 305m	(Clarke, 1986b, c; Fleming, 1986a, b, 1987; Fleming and Clarke, 1987)
1988 Utah East 86 Group	72 soils, 48 pit samples			(Fleming, 1988)
1993 Utah East 86 Group			3 DDHs (R-019 to 021) totalling 648.3m of NQ	(Fleming, 1993)
2005 Lumina Rupert Property	138 soil samples	Approx. 600 km DIGHEM V-DSP airborne EM/Res/Mag	8 DDHs (R-022 to R-029) totaling 1,108.7m of NQ	(Baker, 2006)
Totals	5292soils, 48 pit samples		52 DDHs total meterage unknown	

Table 2: Rupert Exploration History

4.1 Riviera Mines and Ballinderry Exploration 1967 to 1970

In 1967, Utah staked 661 claims along strike from the Island Copper deposit and named it the Expo Property after the World's Fair hosted in Montreal that year. This included a large portion of the western half of the current Rupert Property. Records of work done on claims by other companies during this time is incomplete likely due to selective filing for assessment credits.

In 1968 Riviera Mines Ltd. performed a 6.3 line-km IP survey on parts of the Expo and Har claim groups south of Rupert Inlet (Baird, 1968). Areas of weakly anomalous chargeability were delineated on the Expo claims.

In 1969 Ballinderry Exploration obtained parts of the Expo claim block and conducted a 33.6 line km IP survey, collected 1210 soil samples which were analysed for copper and completed a 56 line-km magnetometer survey (Baird, 1970; Singhai, 1970b). Two east-west trending steeply-dipping magnetic anomalies were identified and attributed to granite dykes with pyrrhotite, pyrite, and chalcopyrite mineralization.

4.2 Utah 1974 to 1984

By 1974 Utah had re-acquired and consolidated the Expo claims east of Rupert Inlet. Utah drilled five BQ diamond drill holes totalling 888.2m (holes R-001 to R-005) in the summer of 1974. The drilling was presumably to test previously identified geophysical and geochemical anomalies attributed to the Rupert Stock, although the intention is not stated (Kaiway, 1974). Six more holes were drilled between 1976 and 1980 (R-006 to R-012) totalling 545.6 m of NQ and 673.6 m of BQ. No mention of significant mineralization in any of the reports covering this period (Lamb, 1976, 1977, 1980a).

Exploration efforts were renewed in 1981 and a two year program of ground geophysical (IP / resistivity, mag., VLF-EM) and soil geochemical surveys was undertaken with 124.8 line-km of ground geophysics completed. Three geophysical trends were delineated (Clarke, 1983; Fleming et al., 1983):

- The Dyke Trend – originally known as anomalies 81-8, 81-9, 81-11, and 82-1, this group of east-west trending chargeability highs and associated magnetic highs has been attributed to porphyritic dykes extending eastward from the Rupert Stock.
- Quatsino Trend – Comprising chargeability anomalies 81-12 and 82-3, that are located near the inferred contact with Quatsino Limestone to the north and is interpreted to be related to skarn in the limestone. The anomaly is partially contained within the Rupert Property.
- M-1 Anomaly – A small, low-amplitude magnetic high in the southern part of the claim block.

Another trend called the Parson Bay Trend was identified but attributed to pyrite mineralization in Bonanza Group volcanic rocks and was ignored as an exploration target. Subsequent drilling

in 1983 and 1984 (DDHs R-013 to -016, totalling 555.0 m of NQ) tested the strike length of the Dyke Trend. All diamond drill holes confirmed the presence of the Rupert Stock-like intrusive rocks and holes R-014 and R-015 returned anomalous copper and molybdenum (30 feet of 0.12% Cu, 0.048% Mo and 10 feet of 0.10% Cu, 0.008% Mo, respectively).

4.3 Utah 1985 to 1993

Diamond drilling of the Dyke Trend chargeability anomalies continued in 1985 with one drill hole, R-017, on the far east of the anomaly (Clarke, 1986a). This intersected Parsons Bay Formation from top to bottom and so closed off the eastern extent of the Rupert Stock. The following year the M-1 lowamplitude magnetic anomaly was tested with diamond drill hole R-018 (Clarke, 1986b). The hole intersected magnetite alteration with higher than normal magnetic susceptibility (relative to other data from the same unit). The magnetite alteration was interpreted to be the cause of the M-1 anomaly.

Contemporaneous with the diamond drilling discussed above, a large soil geochemistry survey was undertaken around (Clarke, 1986c; Fleming, 1985a, b, 1986a, b). The survey consisted of 2559 samples with about every second sample being analyzed for copper, molybdenum, lead, zinc, gold, silver, arsenic, and manganese (2435 samples) and 30 element ICP (124 samples + unknown number rerun from 1985 survey). The geochemical survey returned weak anomalies across most of the area except for some anomalous values of Zn, Cu, Au, Mo, and As in the western portion of the survey centered on hole R-017. Further drilling was recommended.

In early 1988 a follow-up geochemical survey was performed taking 48 samples from shallow (0.3 to 1.0 m deep) pits and 72 line samples (Fleming, 1988). Samples from pits 15 and 16 returned anomalous values including 0.06% Mo, 0.13% Cu, 0.75% Zn and 1.1 g/t Au. Further trenching and drilling was recommended for this area. It was not until 1993 that the area would again see drilling. The drilling included a final three holes, one in each of the main areas of previous concern, the far-east anomaly (R-019), the M-1 anomaly (R-020), and the Rupert Stock in the northwest of the property (R-021) (Fleming, 1993). All three holes resulted in low geochemical values and no further drilling was recommended.

4.4 Lumina Resources, 2005 Exploration Program

Lumina Resources Corp. 2005 exploration program included geophysical survey, soil geochemistry survey and drilling. In May 2005 a helicopter borne DIGHEM electromagnetic/resistivity/magnetic survey was performed. Approximately 600 line km were flown. Line separation was 200m and lines were flown north-south. Based on magnetic and resistivity patterns (Klein, 2005a) a porphyry copper-gold target was identified.

Since no outcrop data was attainable, 138 soil samples were collected across the geophysical target area along north-south oriented grid lines. A selective leach method (digestion in a hot hydroxylamine hydrochloride) was used to dissolve amorphous hydrous iron oxide which can be

an effective scavenger of mobile metal ions. Samples were analyzed for 63 elements via ICPMS.

Subsequently, eight NQ drill holes (R-022 to R-029) were drilled within the main target area for 1108.7 metres. There was no significant mineralization in 2005 drill holes, only indications of a large hydrothermal alteration system in several holes. The east-west trending dyke system intersected by BHP was not encountered in 2005 drilling.

5.0 REGIONAL GEOLOGY

The most recent description of the regional geology of the Rupert area is given by Nixon et al. (2006) and the following summary is taken predominantly from Nixon's paper and references therein. Figure 3 shows the bedrock geology of northern Vancouver Island.

Vancouver Island is comprised of Upper Paleozoic to Lower Mesozoic rocks of Wrangellia – a tectonostratigraphic terrane that occurs discontinuously northward as far as central Alaska. This terrane was amalgamated to the Alexander Terrane of the Alaskan Panhandle (together comprising the Insular Superterrane) by Late Carboniferous time. Subsequently, these terranes were accreted to North America between the Middle Jurassic and the mid-Cretaceous. Thus, Vancouver Island records an early allochthonous history, and a later history with commonality to the North American margin.

The pre-accretion history of Wrangellia is represented by the Paleozoic Sicker Group and the Middle Triassic Karmutsen Formation. The Sicker Group comprises marine Devonian to Early Permian volcanic and sedimentary rocks that host VMS deposits such as at Myra Falls. The Karmutsen conformably overlies the Sicker Group and comprises basaltic and minor sedimentary rocks that underlie about 50% of Vancouver Island. This unit is up to 6000 m thick. Richards et al. (1991) argued that the Karmutsen was initiated by, and extruded above a mantle plume and recent geochemical data support an oceanic plateau origin for the Karmutsen (Greene et al., 2006). The Karmutsen is in turn conformably overlain by the Quatsino Formation of limestone consistent with a period of quietude following impingement of a mantle plume.

The Bonanza Arc (DeBari et al., 1999) formed along the length of Vancouver Island during accretion of Wrangellia. Owing to later tiling, products of this arc from various crustal depths are all preserved. These include the Westcoast Crystalline Complex, Island Intrusions and the Bonanza Group volcanic rocks. DeBari et al. (1999) argue that all these components have similar ages and geochemical signatures and that they are therefore all products of a single arc. Ages for these rocks range from ca 190 to 169 Ma. Stockic rocks of the Island Intrusions are responsible for porphyry copper mineralization on Vancouver Island.

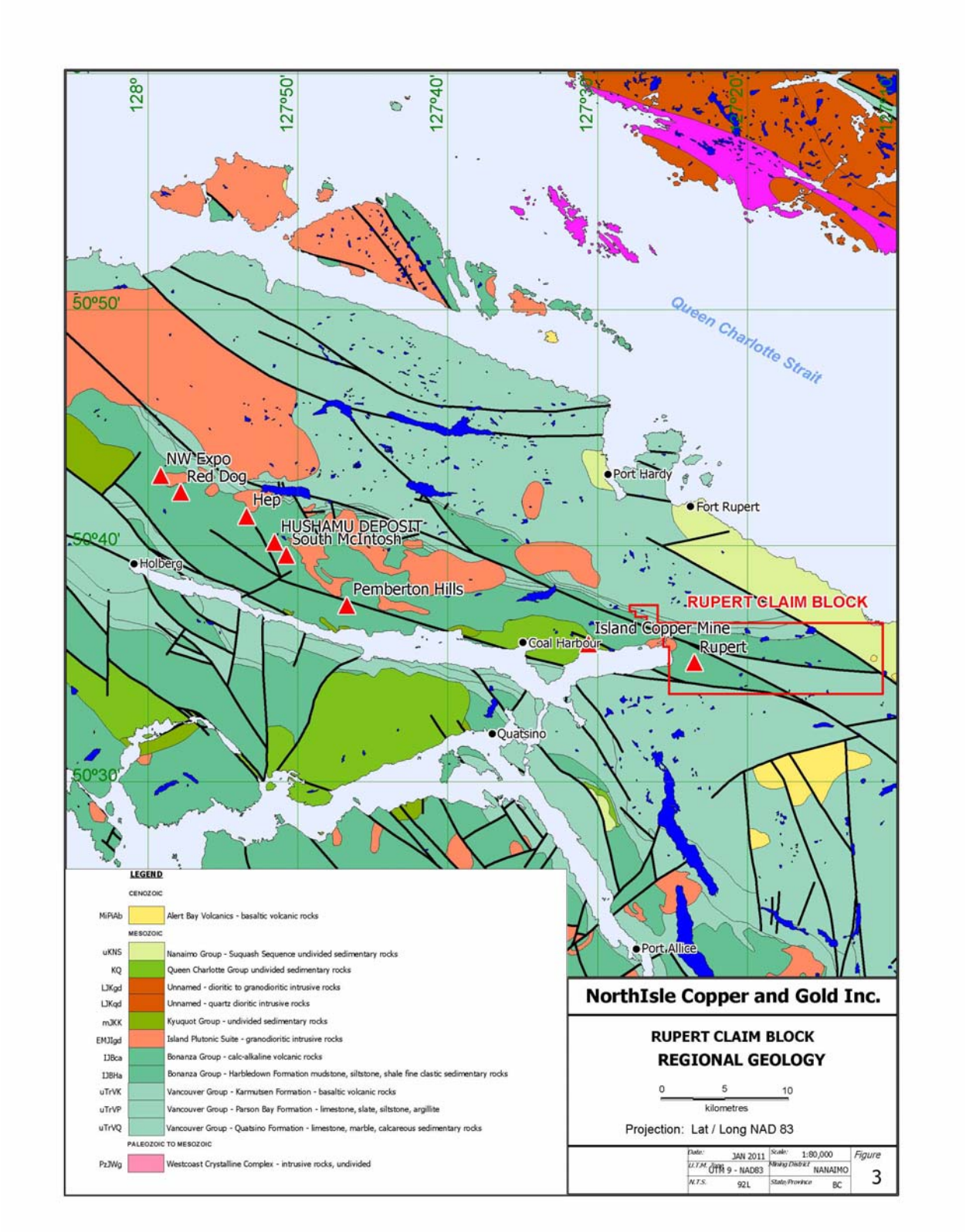

Figure 3: Regional Geology

6.0 PROPERTY GEOLOGY

6.1 Lithology

The following geological description of the Rupert Property is summarized from a compilation map by (Fleming, 1983a) and from the map by (Nixon et al., 2000). The property is underlain by a generally southward-younging sequence of east - west-trending upper Triassic to middle Jurassic volcanic and lesser sedimentary rocks belonging to the Vancouver and Bonanza Groups (Figure 4). Table 3 summarizes the characteristics of these rock units. The northern part of the property is underlain by mafic volcanic rocks of the Karmutsen Formation. These thickly bedded to massive flows form the topographically highest points in this part of Vancouver Island.

Immediately to the south, the Karmutsen is conformably overlain by the Quatsino Formation of fine-grained (micritic), massive to weakly bedded grey limestone. In this area, the Quatsino Formation is approximately 100-200 m thick. Lying above the Quatsino Formation is the Parson Bay Formation comprising thinly-bedded siltstone and mudstone on the Rupert Property.

Most of the core of the Rupert Property is underlain by “Bonanza” volcanic rocks that occur above the Parson Bay rocks. These generally comprise a monotonous sequence of massive andesitic volcanic rocks but in drill core local well-bedded tuffaceous units were encountered. Owing to displacement across the Rupert Fault, the Karmutsen is also exposed along the southern part of the property.

The northeast corner of the property is underlain by a fault-bound, unconformably overlying clastic wedge of Upper Cretaceous sedimentary rocks correlative to the Nanaimo Group.

The core of the property is intruded by a series of east-west dykes interpreted to be apophyses emplaced eastward from the Rupert Stock. This granodiorite body crops out at the northeast corner of Rupert Inlet, immediately east of the Island Copper Mine. The Rupert Stock is part of the Jurassic Island Stockic suite responsible for porphyry Cu-Au-Mo mineralization at Island Copper.

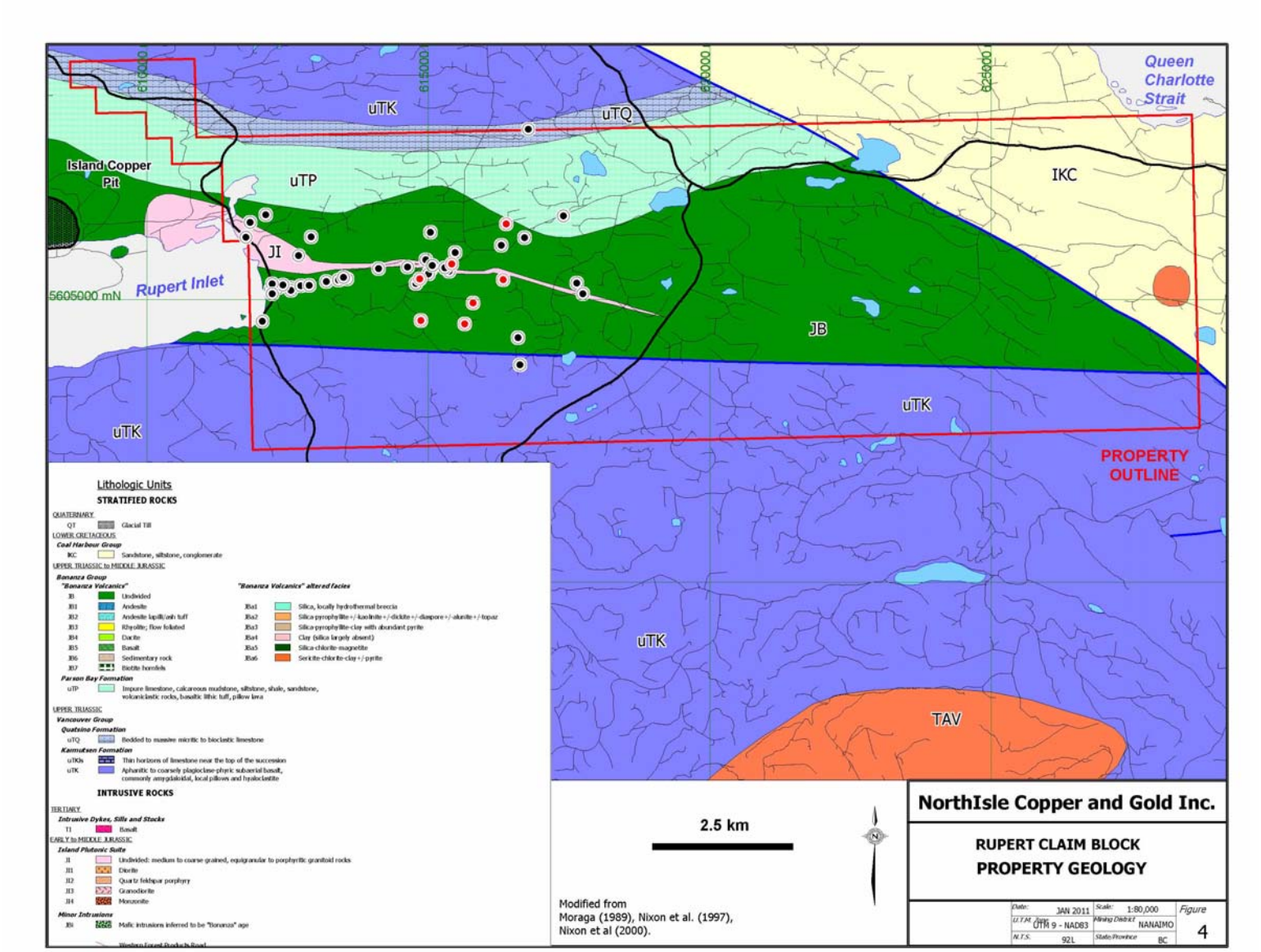

Figure 4: Property Geology

Table 3: Rupert Lithologic Units

STRATIFIED ROCKS:

QUATERNARY

QT gravel, boulder till, local mud-rich laminated till

UPPER CRETACEOUS

Nanaimo Group

uKN Sandstone, siltstone, conglomerate, minor coal

UPPER TRIASSIC to MIDDLE JURASSIC

Bonanza Group

"Bonanza Volcanics"

JB Undivided volcanic rock

JB1 Andesite: green, variably massive / coherent facies, feldspar-phyric, hyaloclastite breccia common

JB2 Andesite lapilli and/or ash tuff: green, volcaniclastic facies comprising angular to rounded coarse ash to block-sized fragments, locally fine-grained ash size, local charred wood fragments

JB3 Rhyolite: coherent and volcaniclastic facies

JB4 Dacite

JB5 Basalt

JB6 Sedimentary rocks: undivided

JB7 Hornfels, biotite-rich contact metamorphosed Bonanza volcanic rocks

Parson Bay Formation

uTP Impure limestone, calcareous mudstone, siltstone, shale, sandstone, volcaniclastic rocks, basaltic lithic tuff, pillow lava

UPPER TRIASSIC

Vancouver Group

Quatsino Formation

uTQ Bedded to massive micritic to bioclastic limestone

Karmutsen Formation

uTKls thin limestone horizons near top of succession

uTK Aphanitic to coarsely plagioclase-phyric subaerial basalt, commonly amygdaloidal, local pillows and hyaloclastite breccia

INTRUSIVE ROCKS:

TERTIARY
Intrusive dykes, sills and stocks
TI Basalt, medium-grained weakly to unaltered with chilled margins

EARLY TO MIDDLE JURASSIC
Island Stockic Suite
JI Undivided: medium to coarse-grained, equigranular to porphyritic granitoid rocks
JI1 Diorite
JI2 Quartz-feldspar porphyry
JI3 Granodiorite
JI4 Monzonite
Minor Intrusions
JB1 Mafic intrusions inferred to be "Bonanza" age

6.2 Structure

The layered units underlying the Rupert Property generally dip gently to steeply southward, although bedding orientation data are very rare. Deformation of the area has been described by Nixon et al. (1994) and is summarized below.

Phase 1: Post-Early Jurassic to Pre-Cretaceous Deformation
The first deformational event is related to an east-northeast directed compressional event that resulted in regional tilting of the Lower Jurassic and older strata to form the Victoria arch. In addition flexural slip folding and the development of northwesterly trending thrust faults occurred during this deformation event. Northeast directed compression is indicated by the presence of locally well developed, northwesterly striking, stylolitic cleavage in the Quatsino limestone.

Phase 2: Post-Mid to Pre-Late Cretaceous Deformation:
The second deformational event postdates deposition of the mid-Cretaceous Coal Harbour Group sediments and may predate deposition of the Upper Cretaceous Nanaimo Group. Northerly directed compression resulted in an episode of intense strike-slip faulting and lesser thrusting. Faults formed during this deformation event are dominantly northwesterly trending structures that have in many cases produced significant drag folding in adjacent strata where the units are well bedded. The most obvious northwesterly trending faults are high-angle dextral strike slip faults with a south-side up sense of motion. It is the presence of this generation of faults that cause most of the stratigraphic repetitions that occur in the map area.

The Holberg fault is a curvilinear south-side up thrust fault that formed during this second deformational event in response to northward directed stresses. This important structure places Upper Triassic strata on the south side of Holberg Inlet adjacent to mid-Cretaceous and older strata on the north side of the inlet. The most convincing kinematic indicator for movement on

the Holberg fault is the presence of many northerly verging, gently plunging drag folds in the footwall. Minor coaxial thrust faults and a well-developed stylolitic cleavage in limestones in the footwall also demonstrate this sense of motion. Some of the major NW trending dextral strike-slip faults in the area are splays off the Holberg fault.

Phase 3: Tertiary Deformation
The third deformational event in the area is characterized by northwesterly to north-northwesterly directed extension that postdates the deposition of the Upper Cretaceous Nanaimo Group sediments. This phase of deformation is represented by minor north-easterly to east north-easterly striking normal faults that affect Upper Cretaceous and older strata. Northeast striking Tertiary dikes intruded during this final phase of deformation.

6.3 Mineralization and Alteration

No significant mineralization was observed on the Rupert Property. Owing to low topographic relief and thick glacial till very few outcrop exposures are present. Cu / Mo mineralization, disseminated pyrite and hydrothermal alteration were observed in core only.

7.0 2011 EXPLORATION PROGRAM

2011 Exploration program consisted entirely of the geophysical IP survey. The survey was reconnaissance in scale; designed to target a possible porphyry type copper-gold-molybdenum mineralization east of the Island Copper deposit.

In June 2011 eleven cut-lines were prepared by a 3-man line-cutting crew contracted from Durfeld Geological Services. Each cut-line was 2km long. Spacing between lines was 960m, except between the two easternmost lines spaced at 2,710m. IP survey stations were marked every 100m with pickets and metal tags with station coordinates.

Geophysical survey was performed by Scott Geophisics Ltd. field crew within the periods September 30 to October 8 and October 11to October 18, 2011.

Survey results were digitally processed by Condor Consulting Inc. which produced a set of 11 2D inversions.

7.1. Survey Coverage and Procedures

A total of 21 line km of IP survey was performed on the Rupert Grid. The lines were widely spaced, namely 1000m intervals for lines 13000E to 22000E, and 2700m for line 24700E. Their location is shown on the accompanying plan maps. The UTM coordinates were derived from a GPS survey performed concurrently with the IP. The pole dipole array was used for the IP

survey with an "a" spacing of 100 metres and at "n" separations of 1, 2, 3, 4, 5, and 6. The online current electrode was located to north of the potential electrodes on all survey lines.

7.2. Personnel

Lise Gagnon was the crew chief on the survey on behalf of Scott Geophysics Ltd. Konstantin Lesnikov was the representative on behalf of NorthIsle Copper and Gold Inc.

7.3. Instrumentation

A GDD Grx8 receiver and two GDD TxII transmitters were used for the IP survey. Readings were taken in the time domain using a 2 second on/2 second off alternating square wave. The chargeability values plotted on the accompanying pseudosections and plan map is for the interval 690 to 1050 msecs after shutoff (mid point 870 msec). Subject to adequate signal, GPS readings were taken at all electrode locations using a Garmin 60CSx GPS receiver and altimeter. The UTM datum is WGS84 zone 9U.

8.0 DISCUSSION OF RESULTS

The IP survey was performed at a reconnaissance scale. Significant chargeability (IP) highs were detected on the survey, which for the purposes of this report are defined as greater than 10 milliVolts/Volt (mV/V). The main IP highs detected on the survey are briefly summarized below:

Line 13000E:
A broad IP high from 5150E-5850E with a peak value of 36 mV/Vat approx. 5400E.

Line 14000E:
IP highs from 5250E-5500E (peak value of 23 mV/V at approx. 5400E) and from 5900E to the north end of the line (peak value of 20 mV/Vat approx. 6150E at the second separation).

Line 15000E:
IP highs from 5250E-5550E (peak value of 25 mV/V at approx. 5400E) and from 6000E to the north end of the line (peak value of 20 mV/Vat the end of the line).

Line 16000E:
IP high at the further separations from 5900E to the north end of the line.

Line 17000E:
IP high at further separations from 5000E-5300E (peak value of 12.5 mV/V at third separation at approx. 5150E) and from 5700E to 6250E (peak value of 25 mV/Vat approx. 5900E).

Line 18000E:
IP high from 4900E-5150E (+ 15 mV/V at further separations) and from 5350E to 6000E (+ 20 mV/V at north end, furthest separations).

Line 19000E:
IP high from 5200E-5550E (+ 25 mV/V at approx. 5400E).
No IP highs that could be considered as significant at this time were detected on lines 20000E, 21000E, 22000E, or 24700E.

9.0 RECOMMENDATIONS

Significant chargeability (IP) highs were detected on the Rupert Grid survey. Subject to a geological review, the following additional geophysical work is recommended:

Inversion of the data to better define locations and to facilitate correlation to other data sets, such as geology or geochemistry.

Fill in survey to an interline spacing of 500m from lines 13000E to 20000E. Those fill in lines, and existing lines 13000E to 19000E, should be extended 500m to the north, or as necessary to define the extent of IP highs detected at the end of the lines.

10.0 CONCLUSIONS

The purpose of 2011 IP survey was to detect a porphyry style mineralization east of the Island Copper deposit. Given that several showings and deposits occur within the belt westward from Island Copper, it is reasonable that similar systems are also present to the east within the same belt or rocks. This area, however, is difficult to explore: topography is subdued and overburden is typically quite thick. This precludes using basic techniques such as mapping or standard soil analyses to obtain reliable data sets. Thick and conductive overburden also complicates interpretation of IP survey results. Presence of a conductive upper layer has a tendency to mask or alter characteristics of the bedrock.

2011 IP survey has detected several anomalies with chargeability greater than 10 milliVolts/Volt (mV/V). Anomalies are detected it the western part of the survey grid, ie there are no significant chargeability highs east of the survey line 19000E. Chargeability anomalies create an east-west oriented trend over six km long. This chargeability anomaly is open to the west towards the Rupert Stock and to the north in lines 14000E, 15000E and 16000E. A set of chargeability anomalies in lines 14000E, 15000E, 17000E and 18000E form another east-west trend about 400 meters to the South of the trend described above. This trend roughly coincides with the porphyritic dyke intersected in several historic drill holes. Mineralized holes R-14 is close to the southern anomaly detected in survey line 15000E while mineralized hole R-19 is in the vicinity of the southern anomaly detected in the survey line 18000E.

To further test continuity and extent of chargeability anomalies, an infill IP survey was proposed. Proposed infill survey lines will be half way between the existing lines. Proposed survey lines would be extended to the north to test extent of anomalies established in lines 14000E, 15000E and 16000E. Proposed survey will total between 10 and 15 line km.

Appendix A: Bibliography

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Appendix B: Statement of Expenditures

STATEMENT OF EXPENDITURES
Rupert Claim Block

Geophysical Survey: Sept 30 – Oct 17, 2011
SCOTT GEOPHYSICS LTD.

Fixed fee (9.1):			$600.00
Crew Chief (Lise Gagnon), Technician (Jan Hansen), Equipment:			
Sept 30, Oct 18	travel	2 travel days @ $990	$1,980.00
Oct 08	IP survey	0.5 survey day @ $1540	$770.00
Oct 1-7, 11-17	IP survey	14 survey days @ $1450	$21,560.00
Expenses (9.4):			
Ferry	$380.05 - $0.00 HST		$380.05
Fuel	$952.00 - $145.61 HST		$806.39
Groceries	$1,655.76 - $33.55 HST		$1,622.21
Internet	$39.95 - $2.51 HST		$37.44
Lodging	$3,514.64 - $369.96 HST		$3,144.68
Meals	$2,538.33 - $230.77 HST		$2,307.56
Vehicle	$825.00 - $0.00 HST		$825.00
10% overhead on expenses			$912.33
4x4 crew cab Sept 30-Oct 8, 11-18		16.5 days @ $130	$2,145.00
Assistants (9.5):			
David Overmers: Sept 30-Oct 8, 11-18		16.5 days @ $250/day	$4,125.00
Dustin Overmers: Sept 30-Oct 8, 11-18		16.5 days @ $250/day	$4,125.00
Brittany Bayne: Sept 30-Oct 8, 11-18		16.5 days @ $250/day	$4,125.00
Credit towards mob/demob crew/expenses Vancouver (charged to Project)			(-$1,140.00)
Total charges:			**$48,325.66**
HST @12%			$5,799.08

Digital data processing:
CONDOR CONSULTING INC.

Consulting	2 days @ US$1100/day	US$2,200.00
2D Inversions	11 inversions @ US$250/each	US$2,750.00
Total charges:		US$4,950.00
US$ exchange rate for October 1.0198 CAD		**$5,048.01**
Total applied towards assessment		**$53,373.67**

Appendix C: Geologist's Certificates

CERTIFICATE

I, Konstantin Lesnikov, residing at 5065 Maitland Street, Burnaby, B.C., do hereby certify that:

1. I graduated from the Faculty of Mining and Geology at the University of Belgrade, Yugoslavia in 1991 with a B.Sc. degree in Petrology and Geochemistry.
2. From 1997 to present, I have been working for Canadian mining companies as a mineral exploration geologist. I have been actively involved in mineral exploration in Peru, Yukon Territory and British Columbia.
3. Since March 2007 I have been employed as a geologist with Western Copper Corporation and I am currently employed by NorthIsle Copper and Gold Resources .
4. I have participated in planning and supervising the work described in this report.

Signed this 27th day of January, 2012

Konstantin Lesnikov

Statement of Qualifications

for

Alan Scott, Geophysicist

of

4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

I hereby certify the following statements regarding my qualifications and involvement in the program of work on behalf of Western Copper Corp., at the Rupert Grid, Coal Harbour Area, B.C., and as presented in this report of October 20, 2011.

The work was performed by individuals qualified for its performance.

I have no material interest in the property under consideration in this report.

I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 1970 and with a Master of Business Administration in 1982.

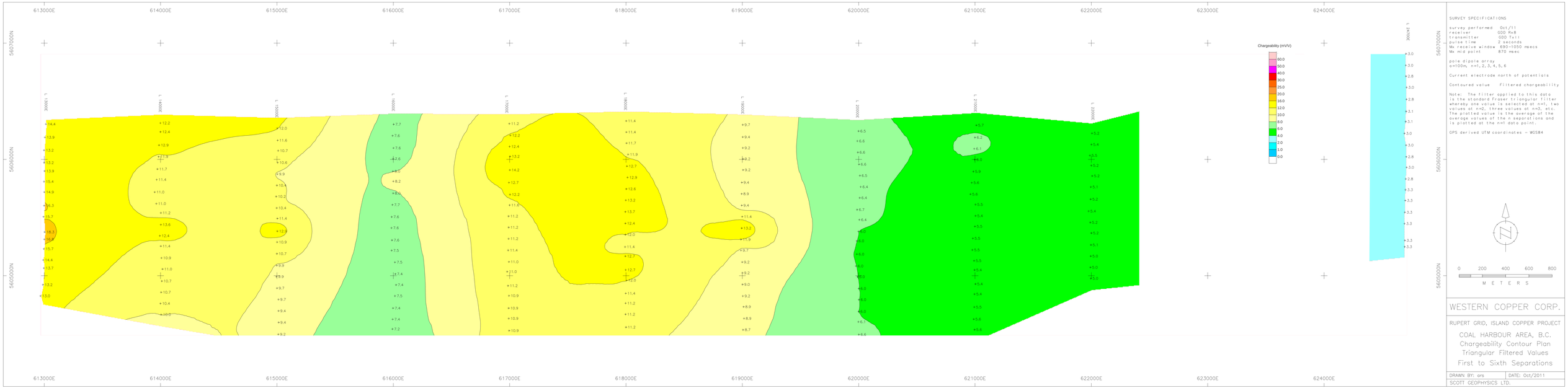
I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

I have been practicing my profession as a Geophysicist in the field of Mineral Exploration since 1970.

Respectfully submitted,

Alan Scott, P.Geo.

Appendix D: Chargeability and Apparent Resistivity Contour Plans



SURVEY SPECIFICATIONS

survey performed	Oct/11
receiver	GDD Rx8
transmitter	GDD Tx11
pulse time	2 seconds
Mx receive window	690-1050 msecs
Mx mid point	870 msec

pole dipole array
a=100m, n=1, 2, 3, 4, 5, 6

Current electrode north of potentials

Contoured value Filtered chargeability

Note: The filter applied to this data is the standard Fraser triangular filter whereby one value is selected at n=1, two values at n=2, three values at n=3, etc. The plotted value is the average of the average values of the n separations and is plotted at the n=1 data point.

GPS derived UTM coordinates - WGS84

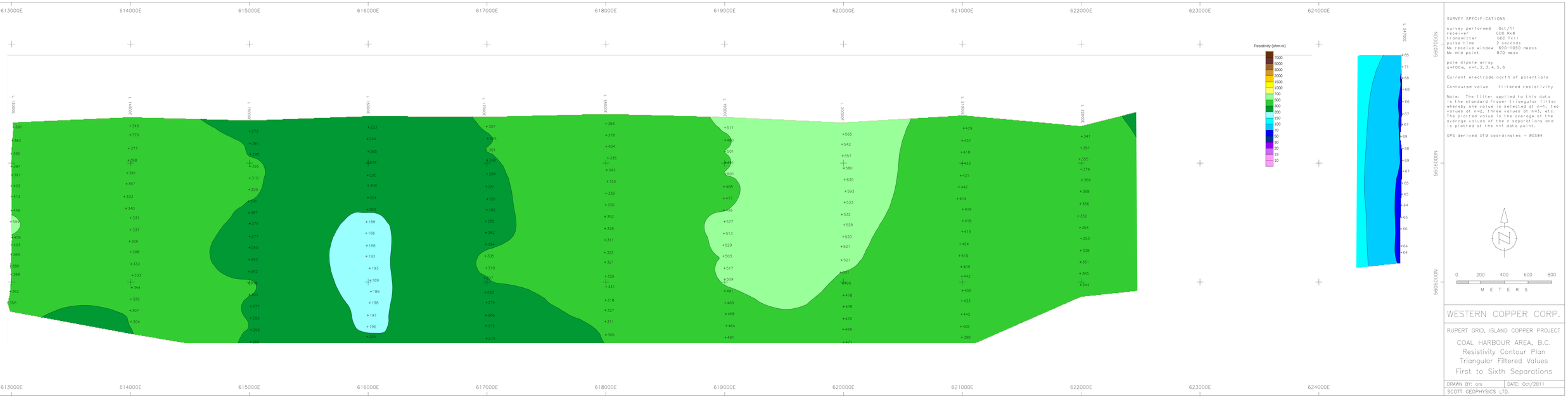
WESTERN COPPER CORP.

RUPERT GRID, ISLAND COPPER PROJECT

COAL HARBOUR AREA, B.C.
Chargeability Contour Plan
Triangular Filtered Values
First to Sixth Separations

DRAWN BY: ors | DATE: Oct/2011

SCOTT GEOPHYSICS LTD.



SURVEY SPECIFICATIONS

survey performed	Oct/11
receiver	GDD Rx8
transmitter	GDD Tx11
pulse time	2 seconds
Mx receive window	690-1050 msecs
Mx mid point	870 msec

pole dipole array
a=100m, n=1, 2, 3, 4, 5, 6

Current electrode north of potentials

Contoured value filtered resistivity

Note: The filter applied to this data is the standard Fraser triangular filter whereby one value is selected at n=1, two values at n=2, three values at n=3, etc. The plotted value is the average of the average values of the n separations and is plotted at the n=1 data point.

GPS derived UTM coordinates - WGS84

WESTERN COPPER CORP.

RUPERT GRID, ISLAND COPPER PROJECT

COAL HARBOUR AREA, B.C.
Resistivity Contour Plan
Triangular Filtered Values
First to Sixth Separations

DRAWN BY: ors	DATE: Oct/2011
SCOTT GEOPHYSICS LTD.	

Appendix E: Chargeability and Apparent Resistivity Sections

WESTERN COPPER CORP.

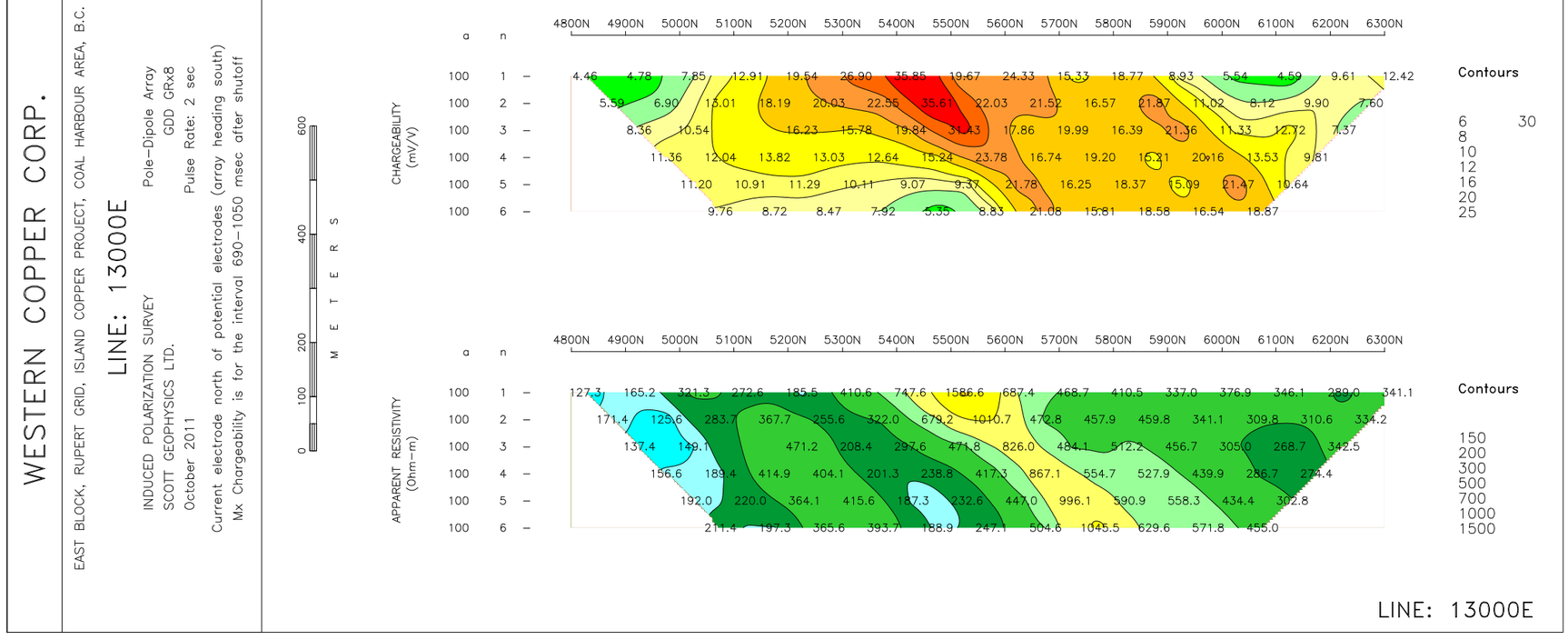
EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 13000E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
October 2011

Pole-Dipole Array
GDD GRx8
Pulse Rate: 2 sec

Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



WESTERN COPPER CORP.

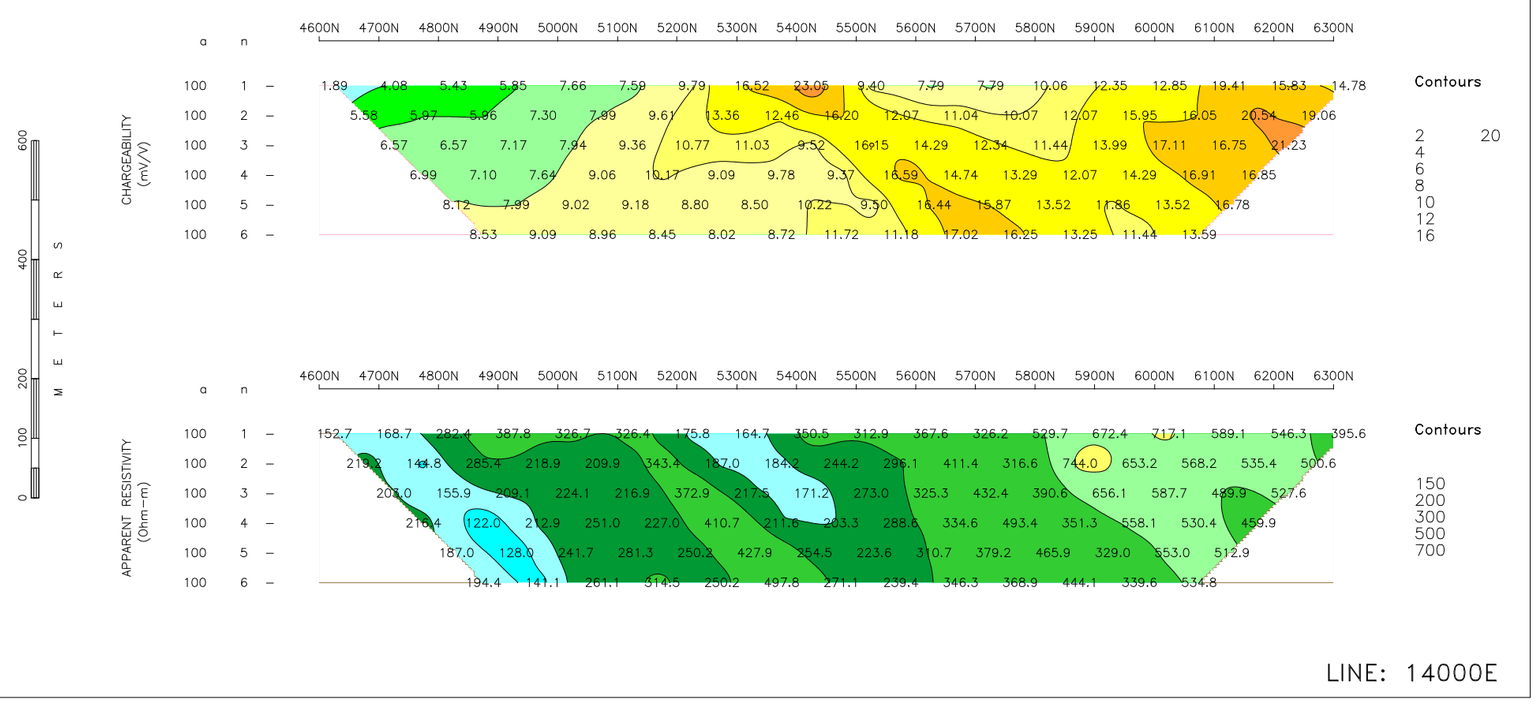
EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 14000E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
October 2011

Pole-Dipole Array
GDD GRx8
Pulse Rate: 2 sec

Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



WESTERN COPPER CORP.

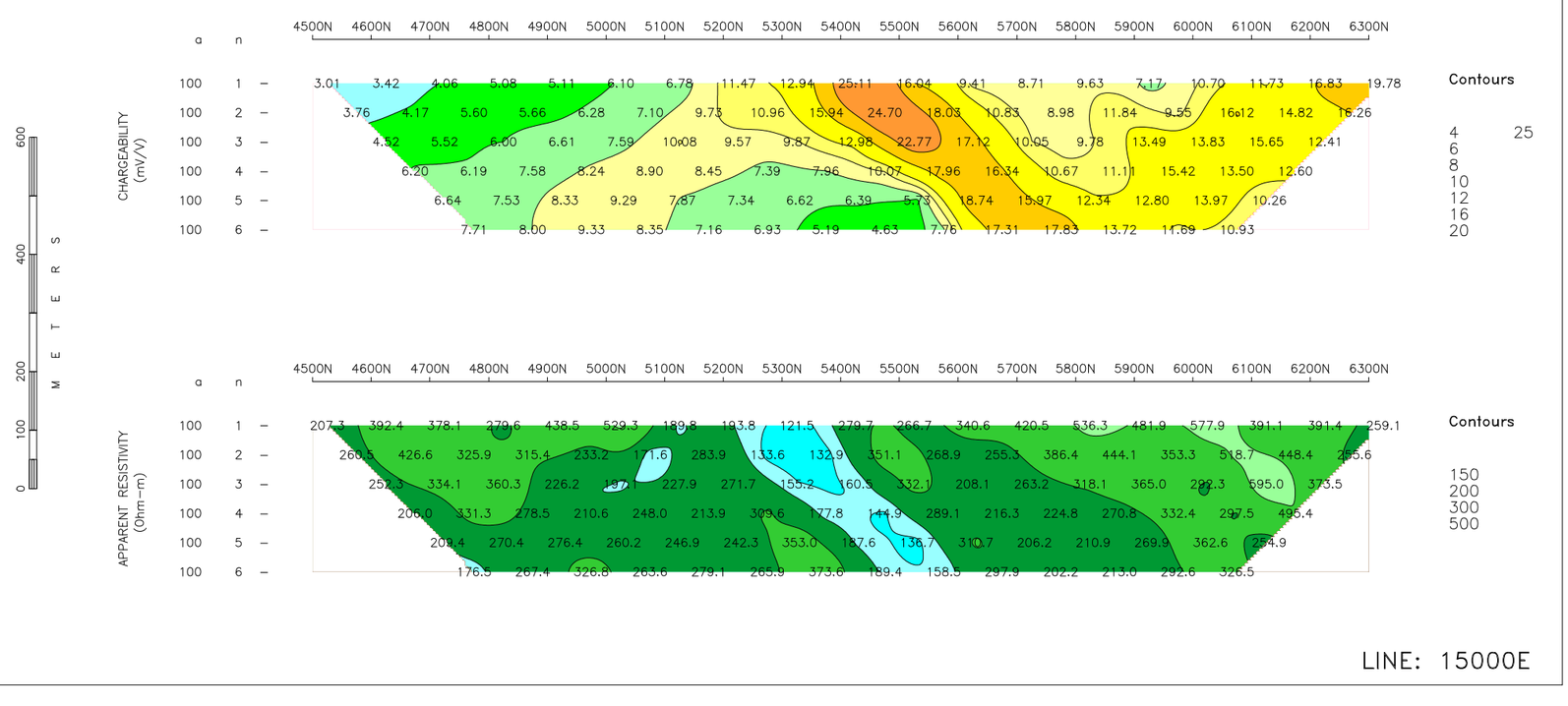
EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 15000E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
October 2011

Pole-Dipole Array
GDD GRx8
Pulse Rate: 2 sec

Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



WESTERN COPPER CORP.

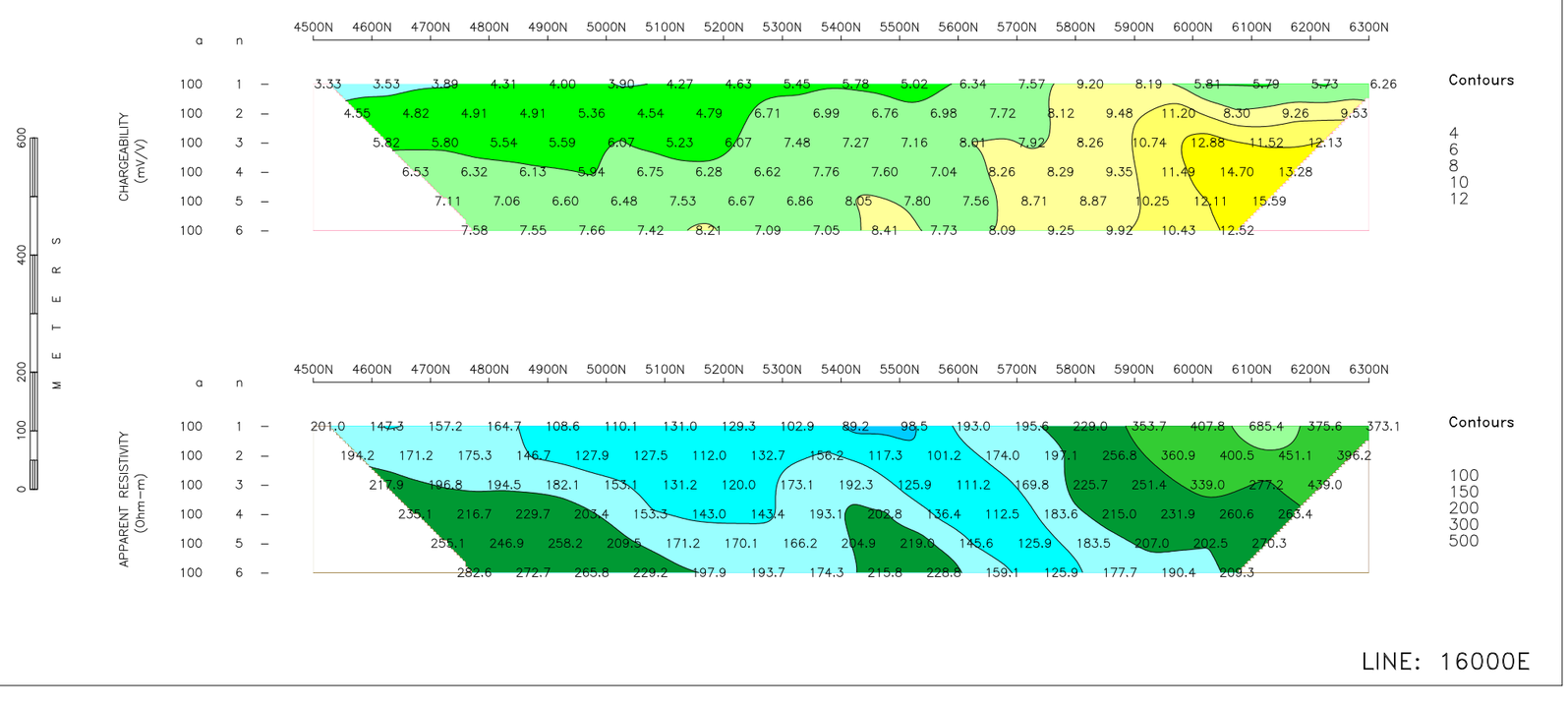
EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 16000E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
October 2011

Pole-Dipole Array
GDD GRx8
Pulse Rate: 2 sec

Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



WESTERN COPPER CORP.
EAST BLOCK, RUPERT GRID
COAL HARBOUR AREA, BC
Induced Polarizarion Survey
Chargeabiity and Resistivity Pseudosections

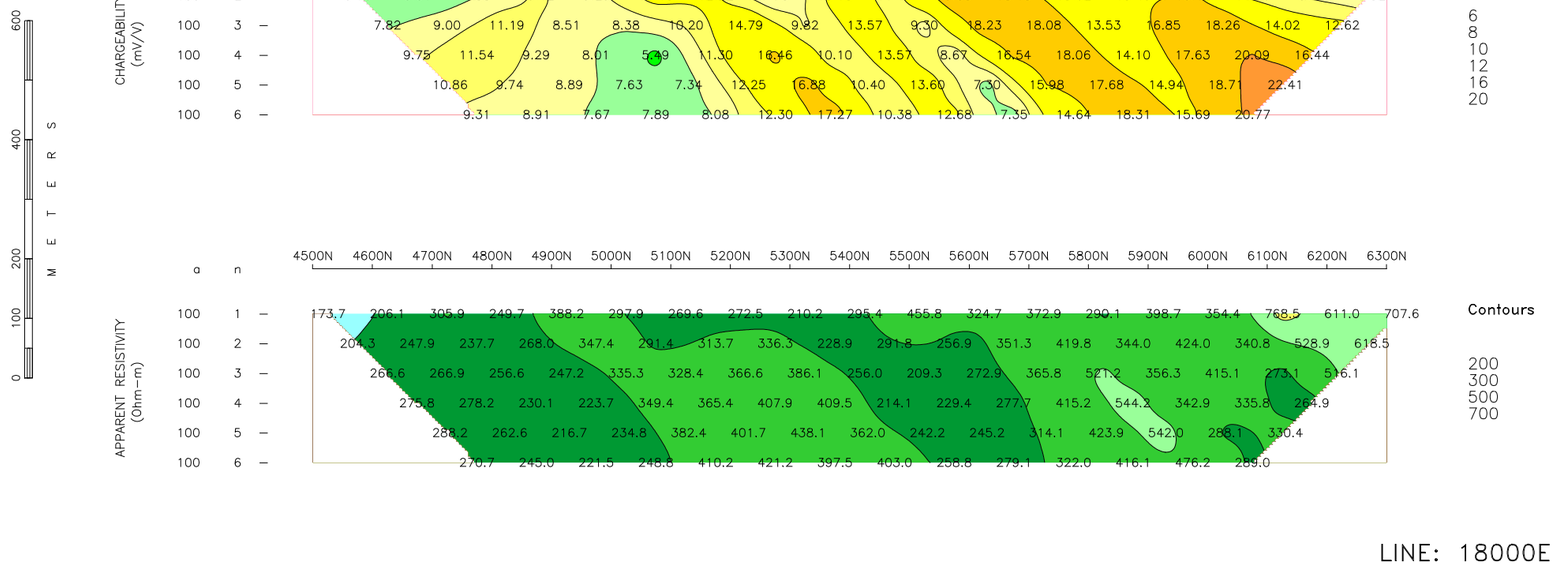
SCOTT GEOPHYSICS LTD. Oct/2011

WESTERN COPPER CORP.

EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 18000E

INDUCED POLARIZATION SURVEY — Pole-Dipole Array
SCOTT GEOPHYSICS LTD. — GDD GRx8
October 2011 — Pulse Rate: 2 sec
Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



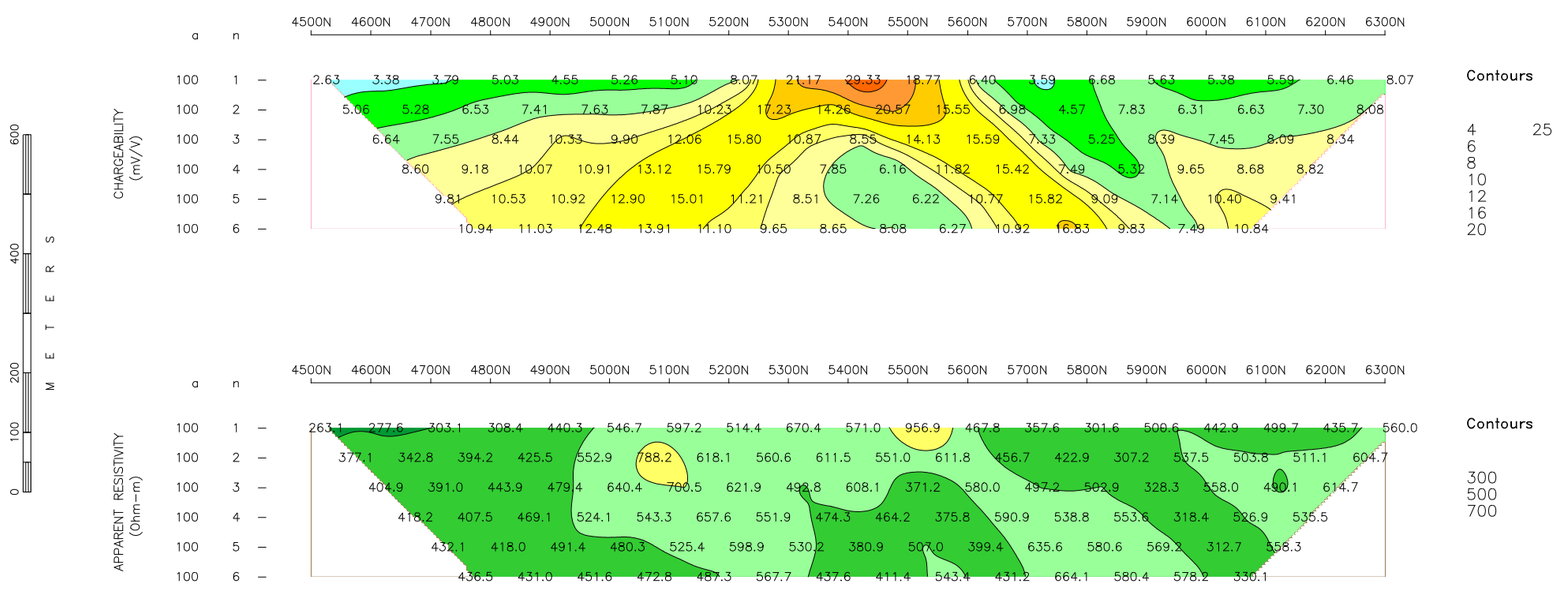
LINE: 18000E

WESTERN COPPER CORP.

EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 19000E

INDUCED POLARIZATION SURVEY — Pole-Dipole Array
SCOTT GEOPHYSICS LTD. — GDD GRx8
October 2011 — Pulse Rate: 2 sec
Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



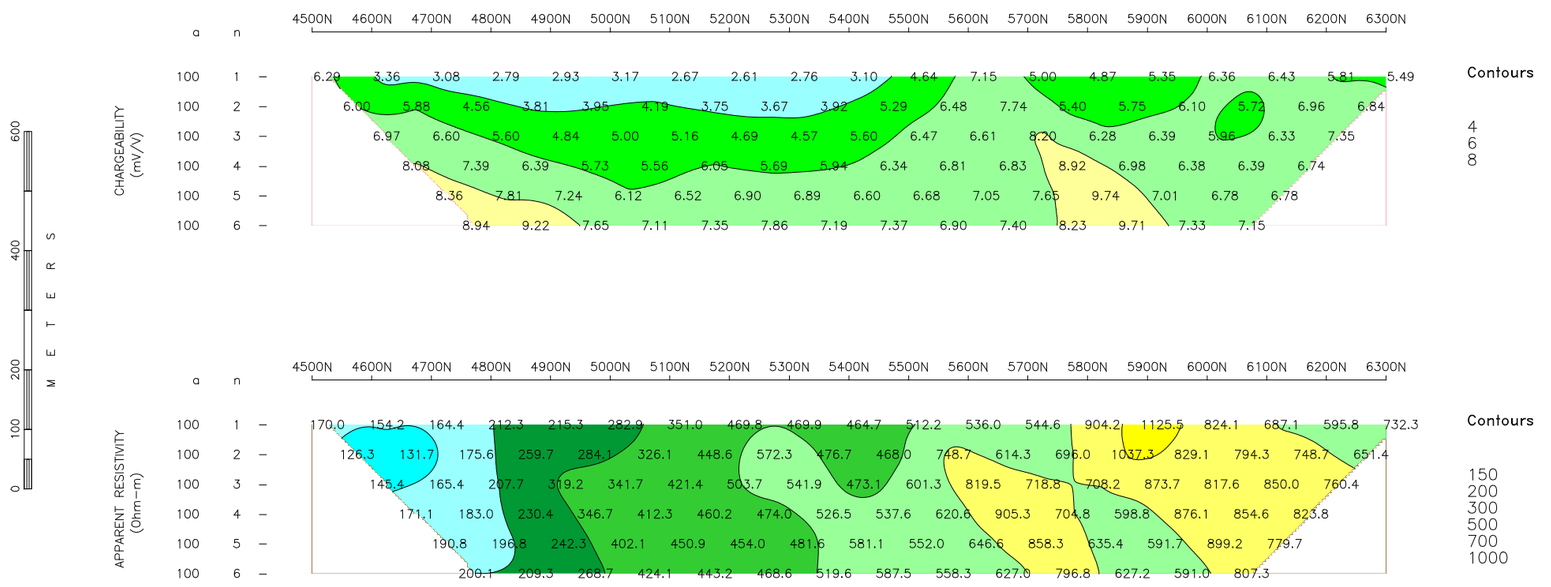
LINE: 19000E

WESTERN COPPER CORP.

EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 20000E

INDUCED POLARIZATION SURVEY — Pole-Dipole Array
SCOTT GEOPHYSICS LTD. — GDD GRx8
October 2011 — Pulse Rate: 2 sec
Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



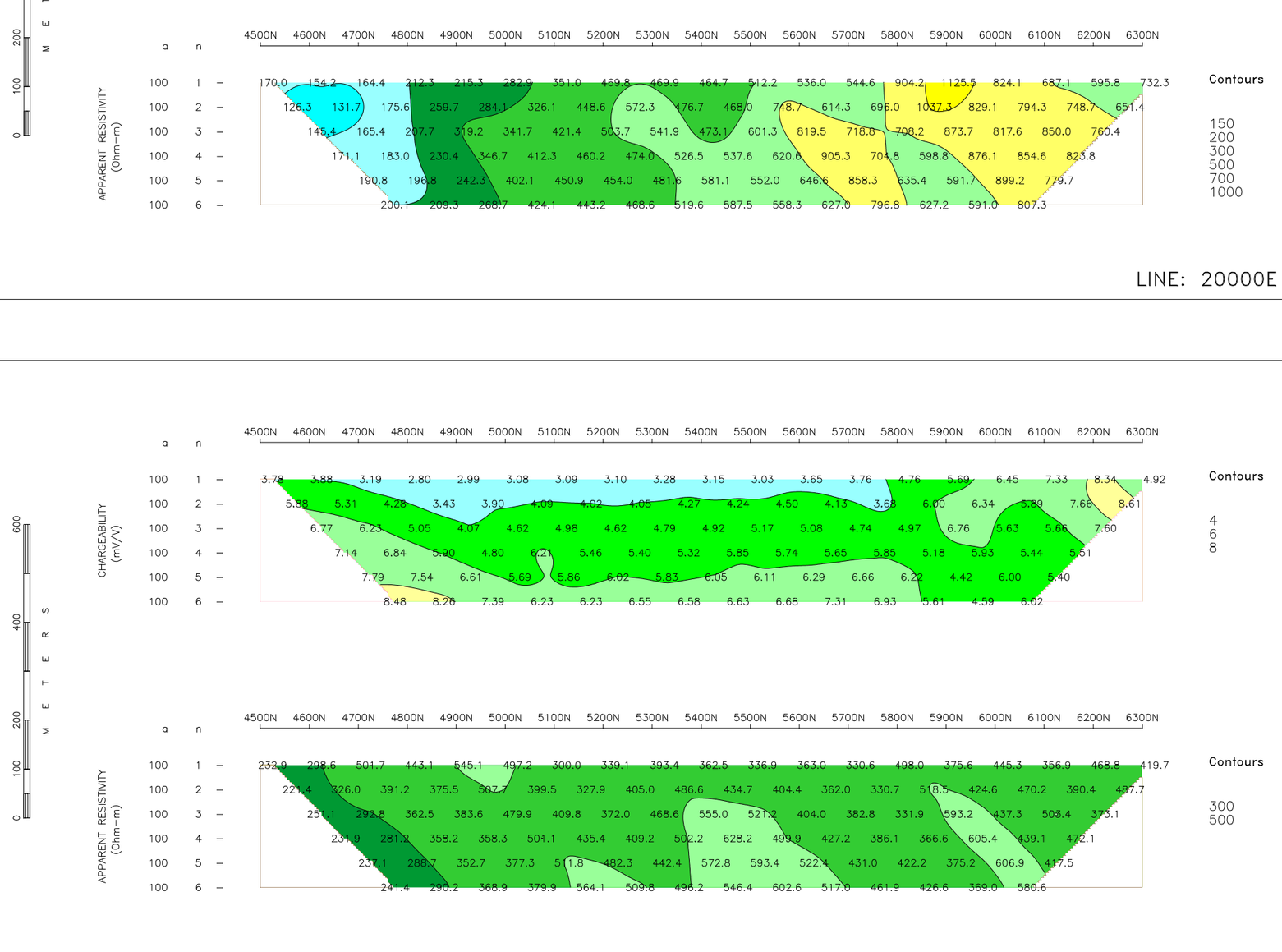
LINE: 20000E

WESTERN COPPER CORP.

EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 21000E

INDUCED POLARIZATION SURVEY — Pole-Dipole Array
SCOTT GEOPHYSICS LTD. — GDD GRx8
October 2011 — Pulse Rate: 2 sec
Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



LINE: 21000E

WESTERN COPPER CORP.
EAST BLOCK, RUPERT GRID
COAL HARBOUR AREA, BC
Induced Polarizarion Survey
Chargeabiity and Resistivity Pseudosections

SCOTT GEOPHYSICS LTD. Oct/2011

WESTERN COPPER CORP.

EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 22000E

INDUCED POLARIZATION SURVEY — Pole-Dipole Array
SCOTT GEOPHYSICS LTD. — GDD GRx8
October 2011 — Pulse Rate: 2 sec
Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff

LINE: 22000E

Chargeability (mV/V)
60.0 50.0 40.0 30.0 25.0 20.0 16.0 12.0 10.0 8.0 6.0 4.0 2.0 1.0 0.0

Resistivity (ohm-m)
7000 5000 3000 2000 1500 1000 700 500 300 200 150 100 70 50 30 20 15 10

WESTERN COPPER CORP.

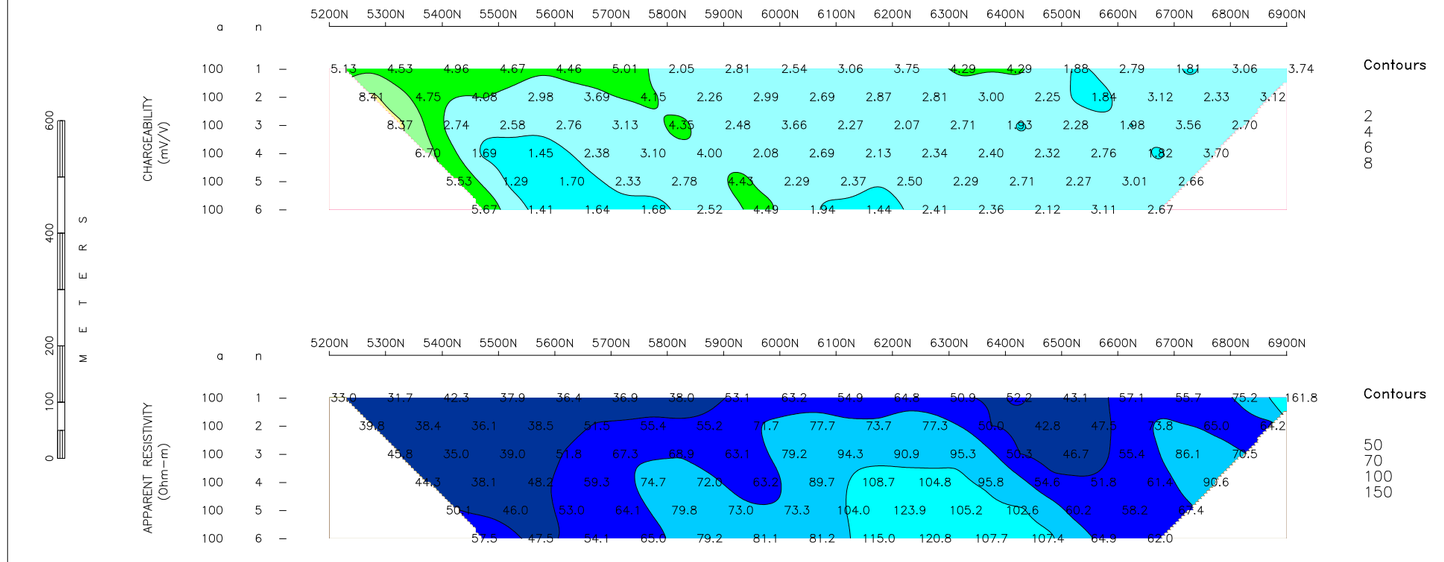
EAST BLOCK, RUPERT GRID, ISLAND COPPER PROJECT, COAL HARBOUR AREA, B.C.

LINE: 24700E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
October 2011

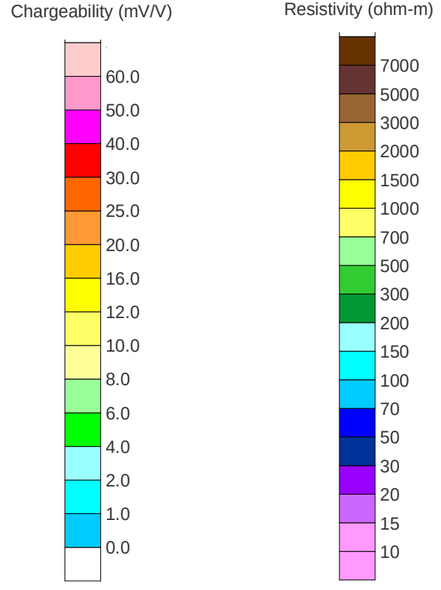
Pole-Dipole Array
GDD GRx8
Pulse Rate: 2 sec

Current electrode north of potential electrodes (array heading south)
Mx Chargeability is for the interval 690-1050 msec after shutoff



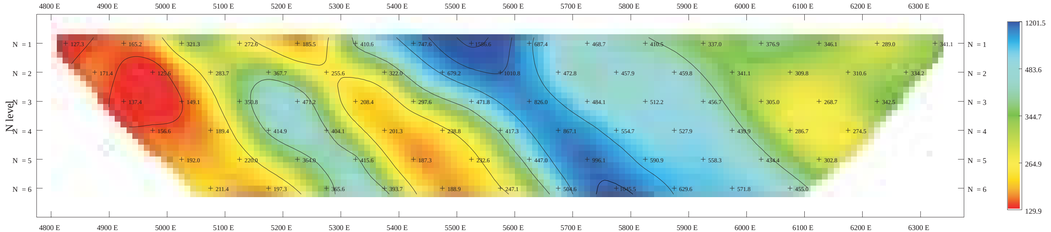
WESTERN COPPER CORP.
EAST BLOCK, RUPERT GRID
COAL HARBOUR AREA, BC
Induced Polarizarion Survey
Chargeabiity and Resistivity Pseudosections

SCOTT GEOPHYSICS LTD. Oct/2011

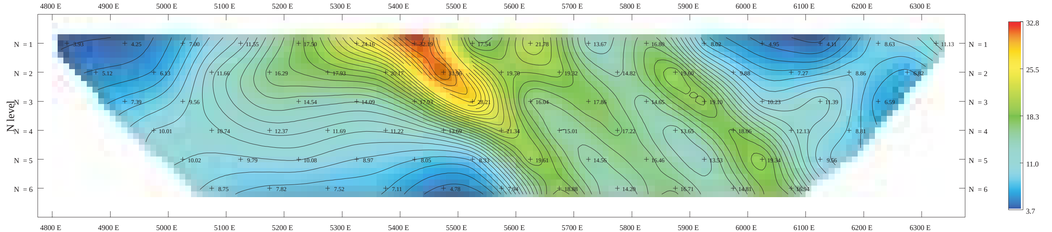


Appendix F: 2D Inversion Sections

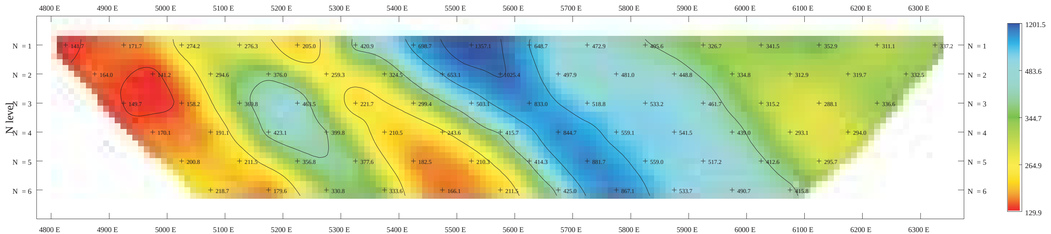
Apparent Resistivity (obs) (ohm.metres)



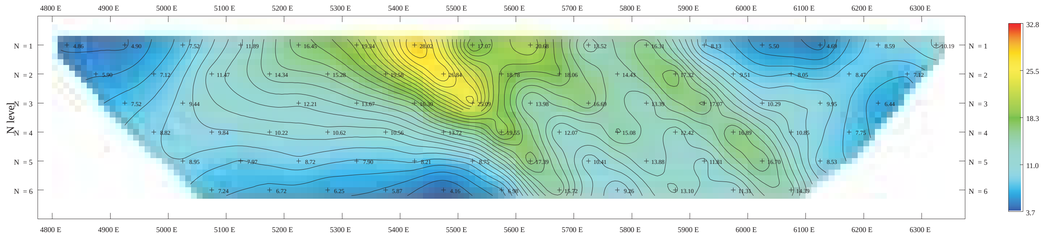
Chargeability (obs) (mV/V)



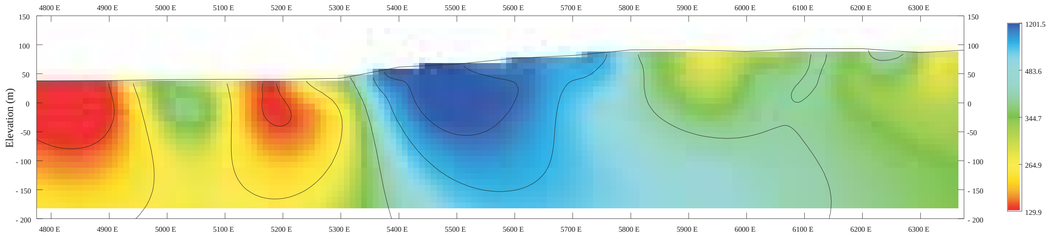
Apparent Resistivity (mod) (ohm.metres)



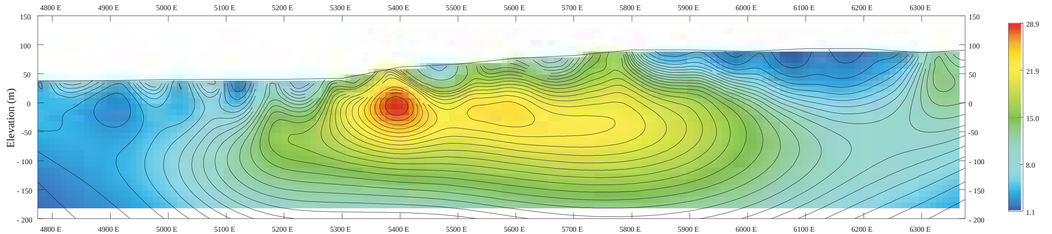
Chargeability (mod) (mV/V)



Inverted Resistivity



Inverted Chargeability

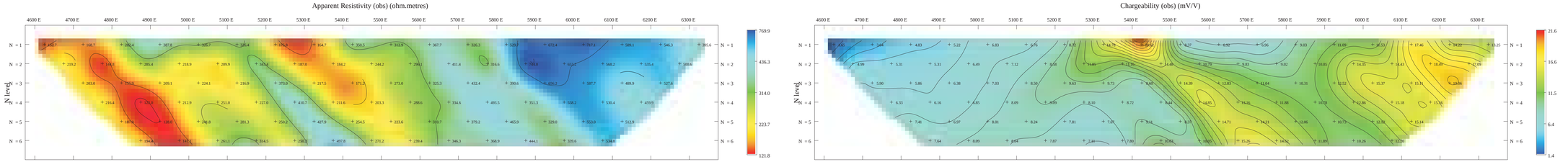


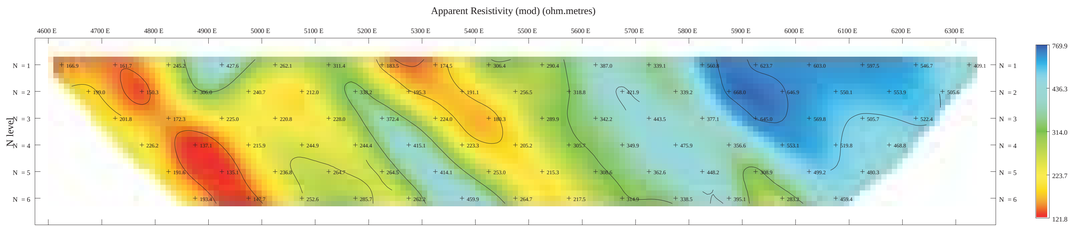
Scale 1: 5 000

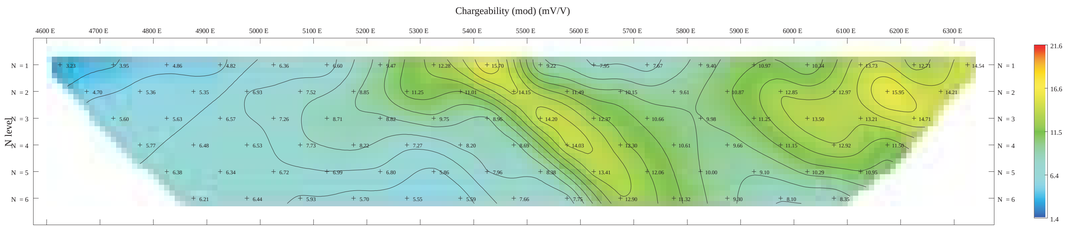
0 100 200 300 400

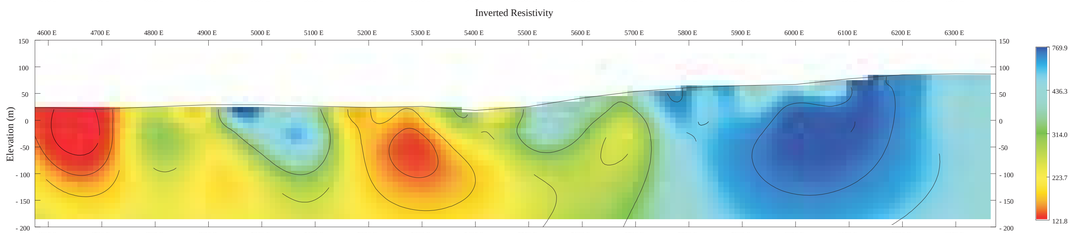
metres

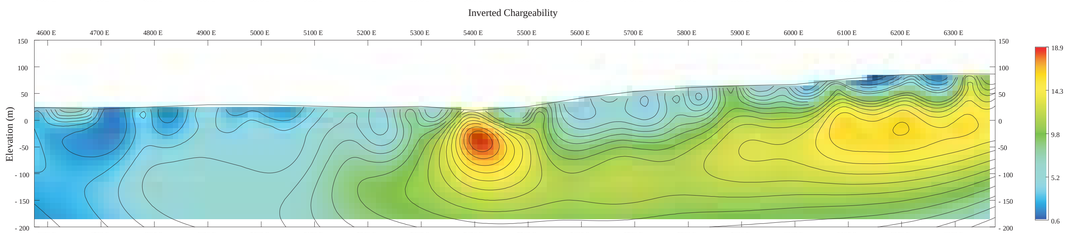
Western Copper Corp.	
Island Copper Project	
Line 13000 E	
Author :	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

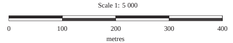






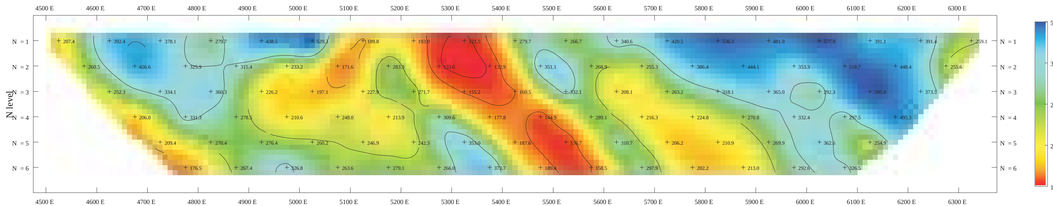




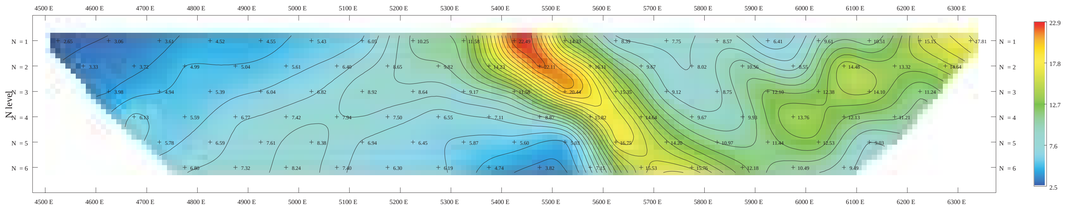


Wester Copper Corp.	
Island Copper Project	
Line 14 000 E	
Author :	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

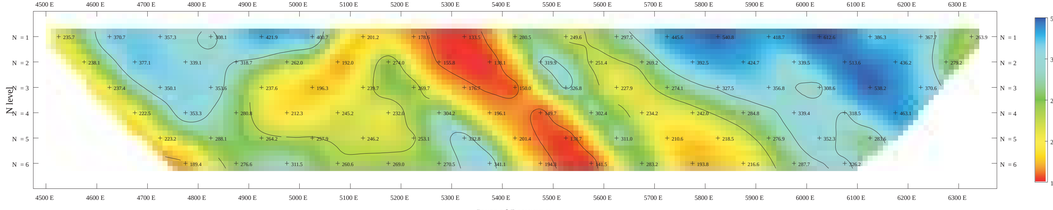
Apparent Resistivity (obs) (ohm.metres)



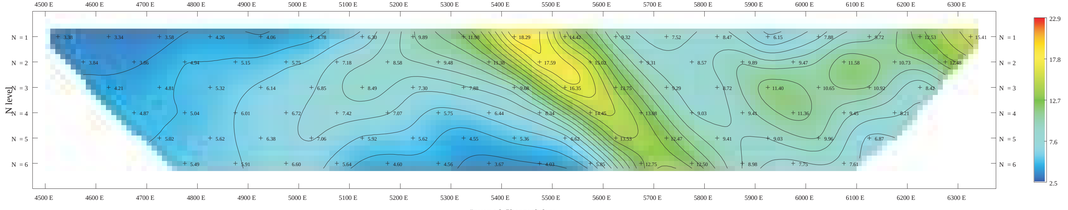
Chargeability (obs) (mV/V)



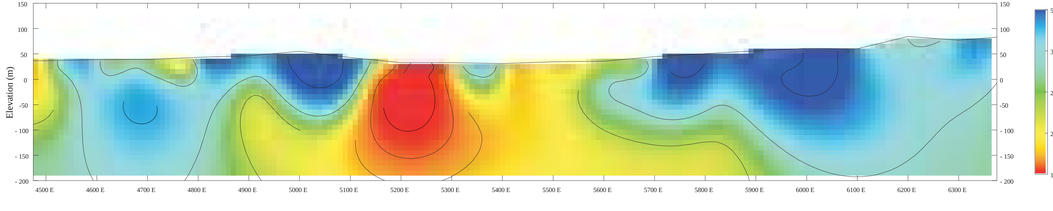
Apparent Resistivity (mod) (ohm.metres)



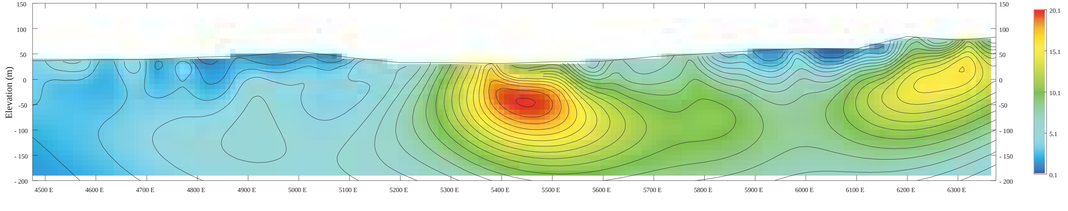
Chargeability (mod) (mV/V)



Inverted Resistivity



Inverted Chargeability



Scale 1: 5 000

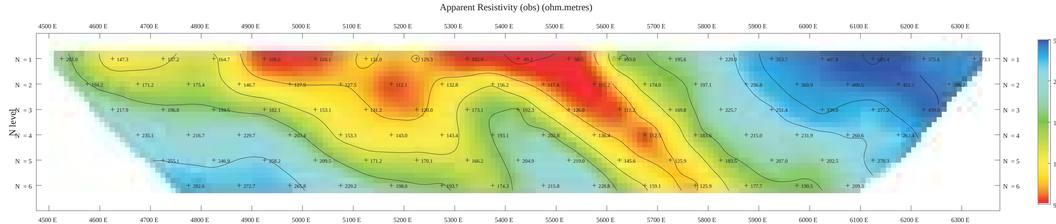
0 100 200 300 400

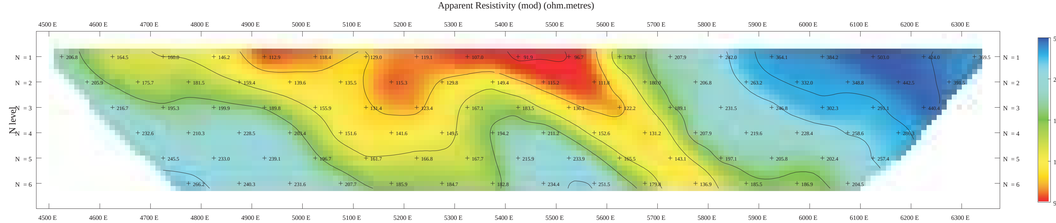
metres

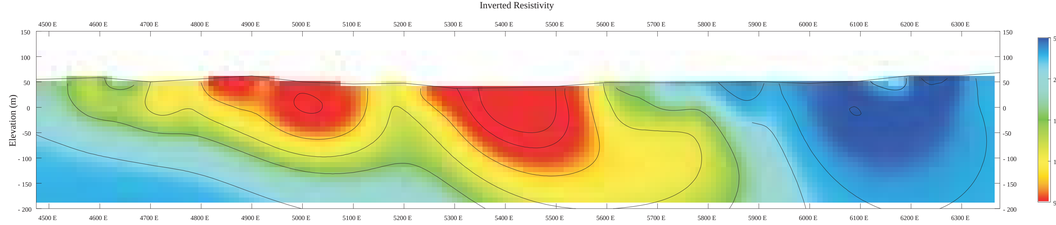
Western Copper Corp.

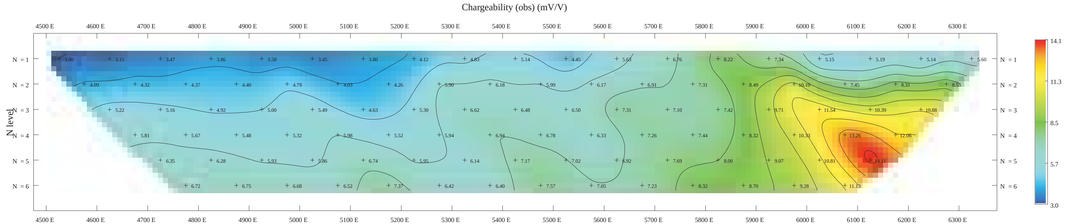
Island Copper Project

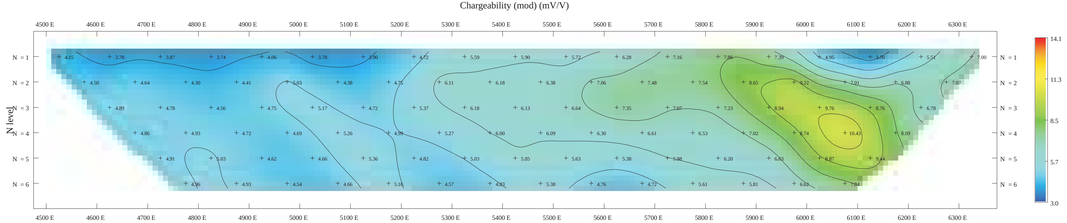
Line 15 000 E

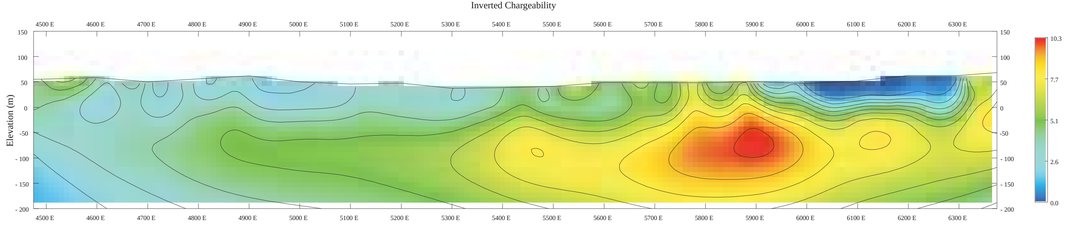












Western Copper Corp.	
Island Copper Project	
Line 16 000 E	
Author : scott	Ref :
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Date : 26-Oct-2011	Report No :
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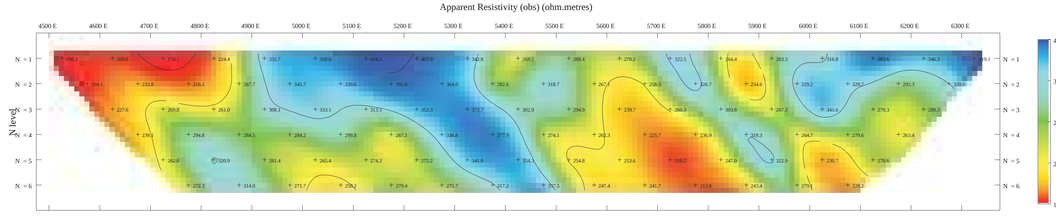
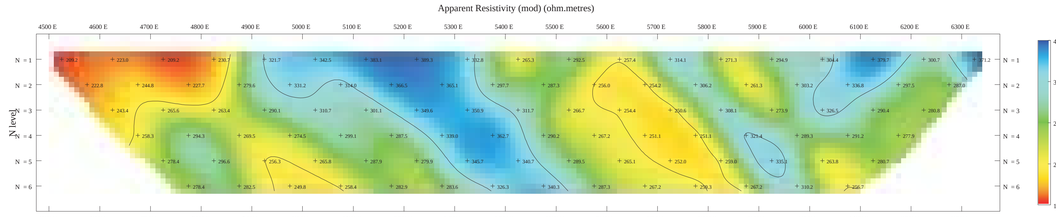
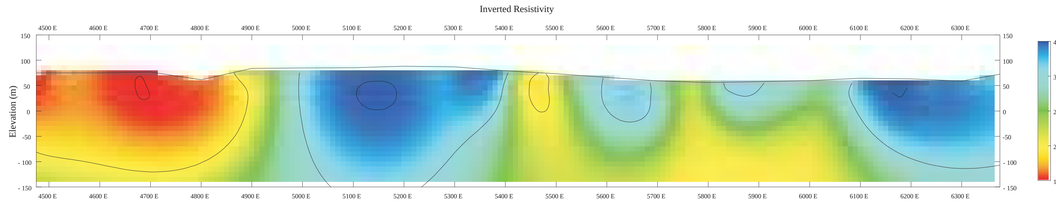
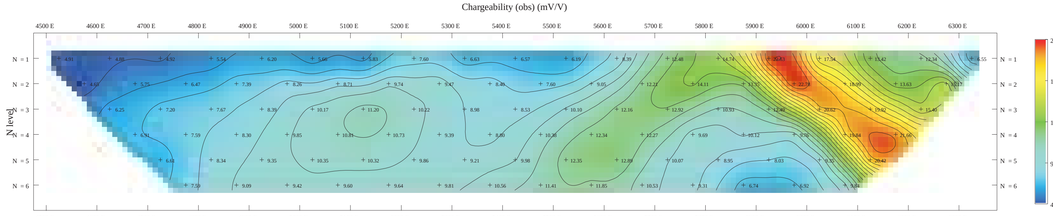
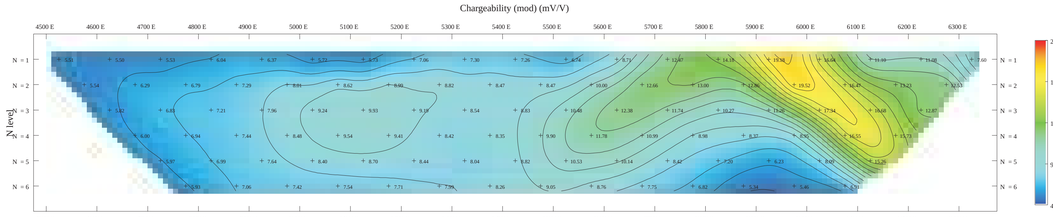
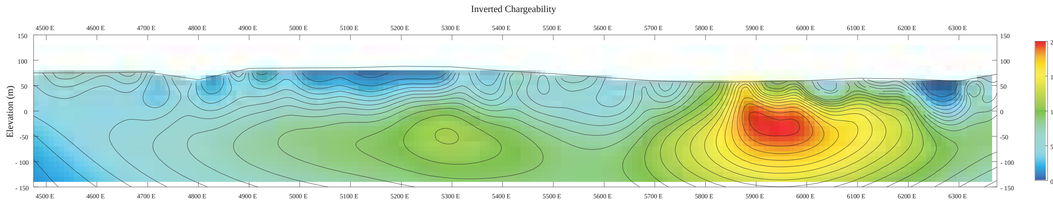


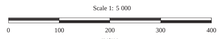












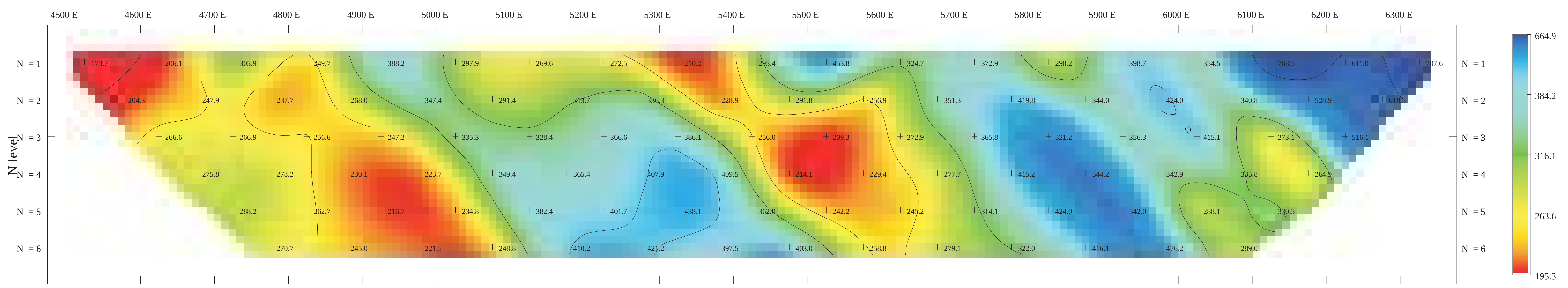
Western Copper Corp.

Island Copper Project

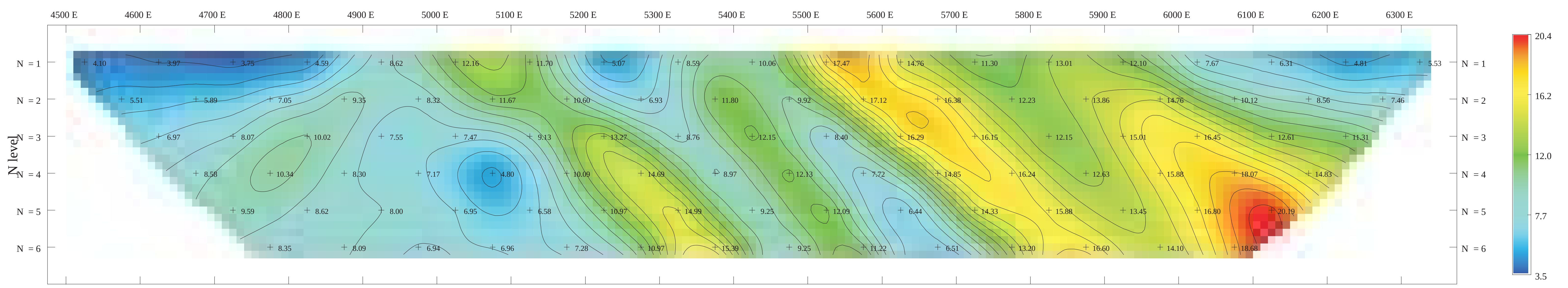
Line 17 000 E

Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

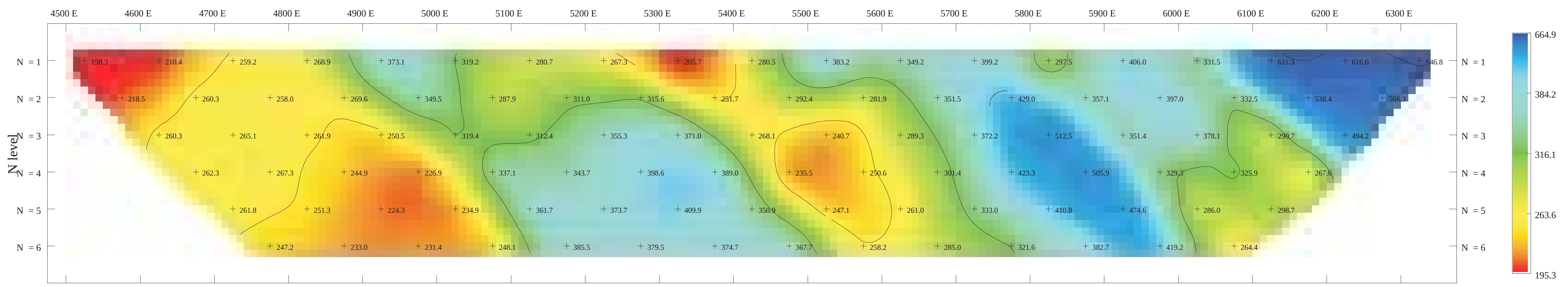
Apparent Resistivity (obs) (ohm.metres)



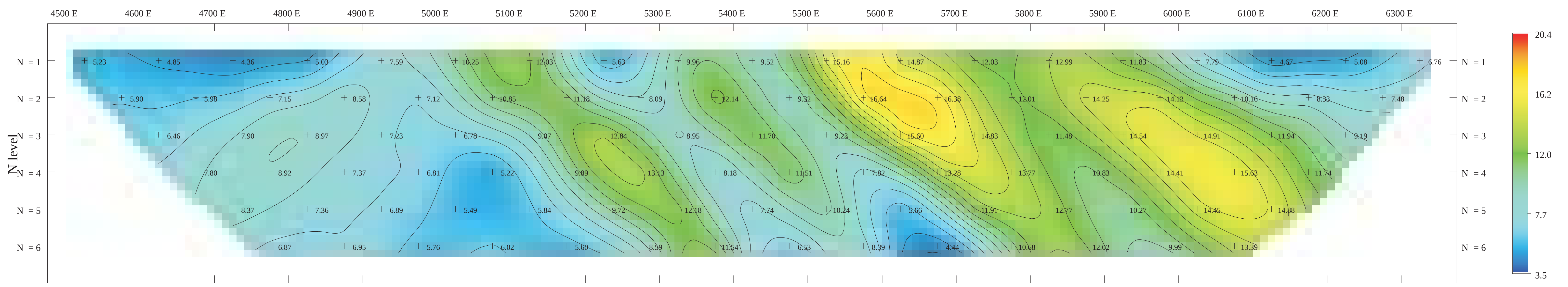
Chargeability (obs) (mV/V)



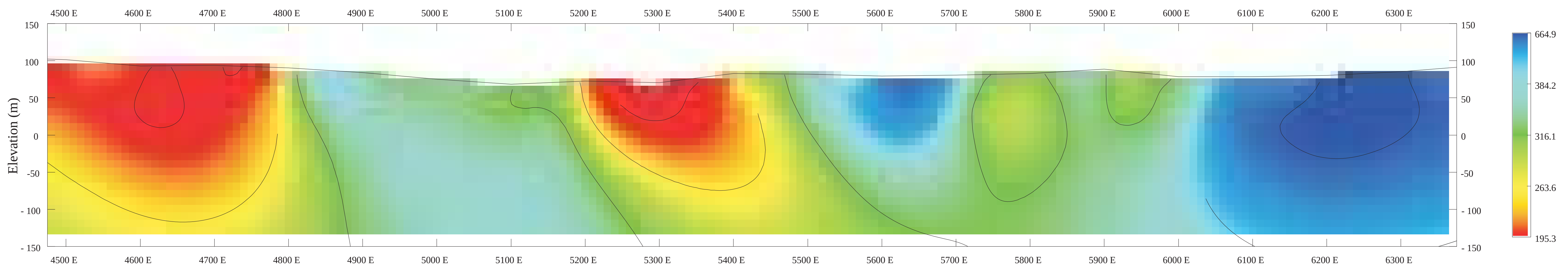
Apparent Resistivity (mod) (ohm.metres)



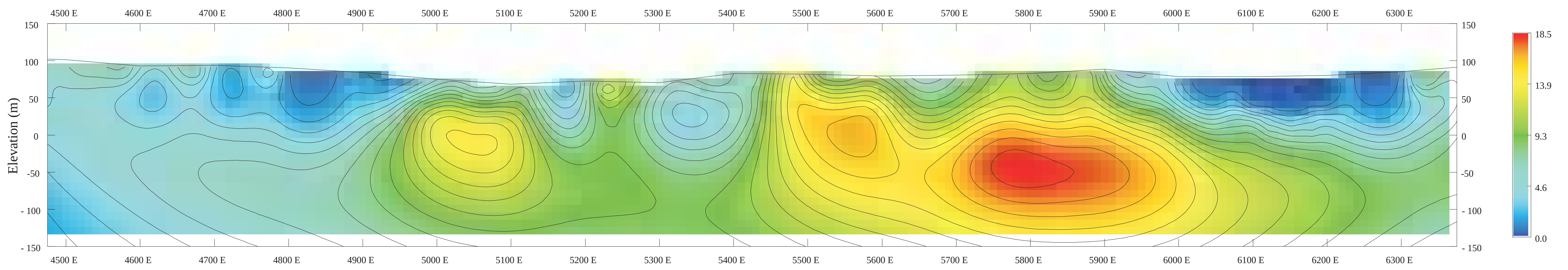
Chargeability (mod) (mV/V)

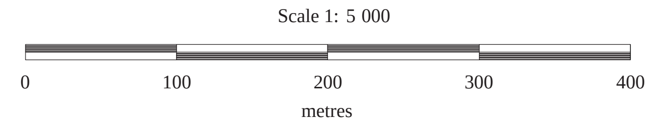


Inverted Resistivity



Inverted Chargeability



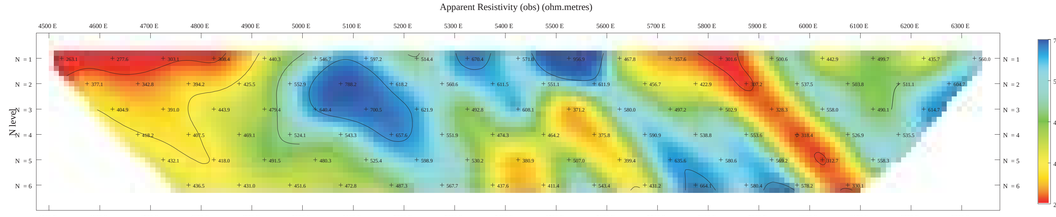


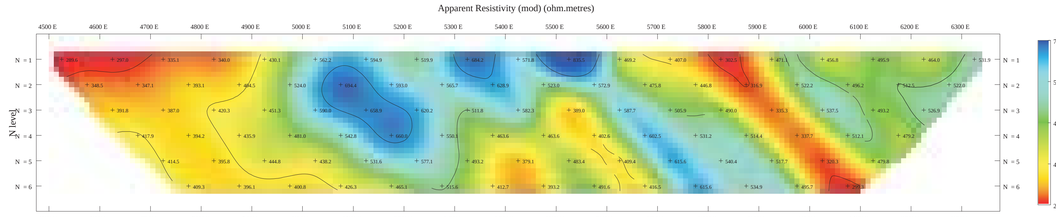
Western Copper Corp.

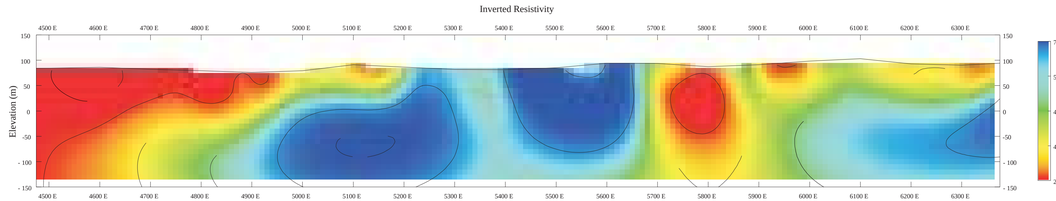
Island Copper Project

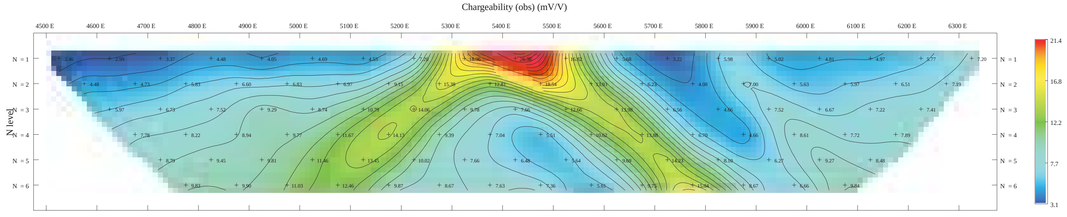
Line 18 000 E

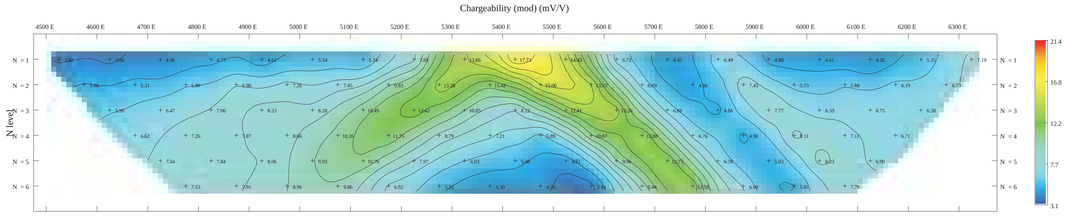
Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

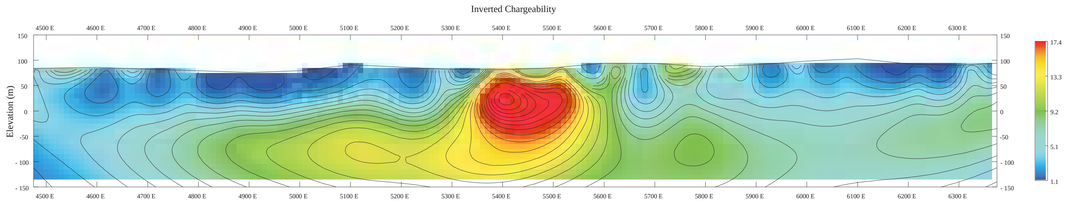


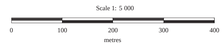












Western Copper Corp.	
Island Copper Project	
Line 19 000 E	
Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
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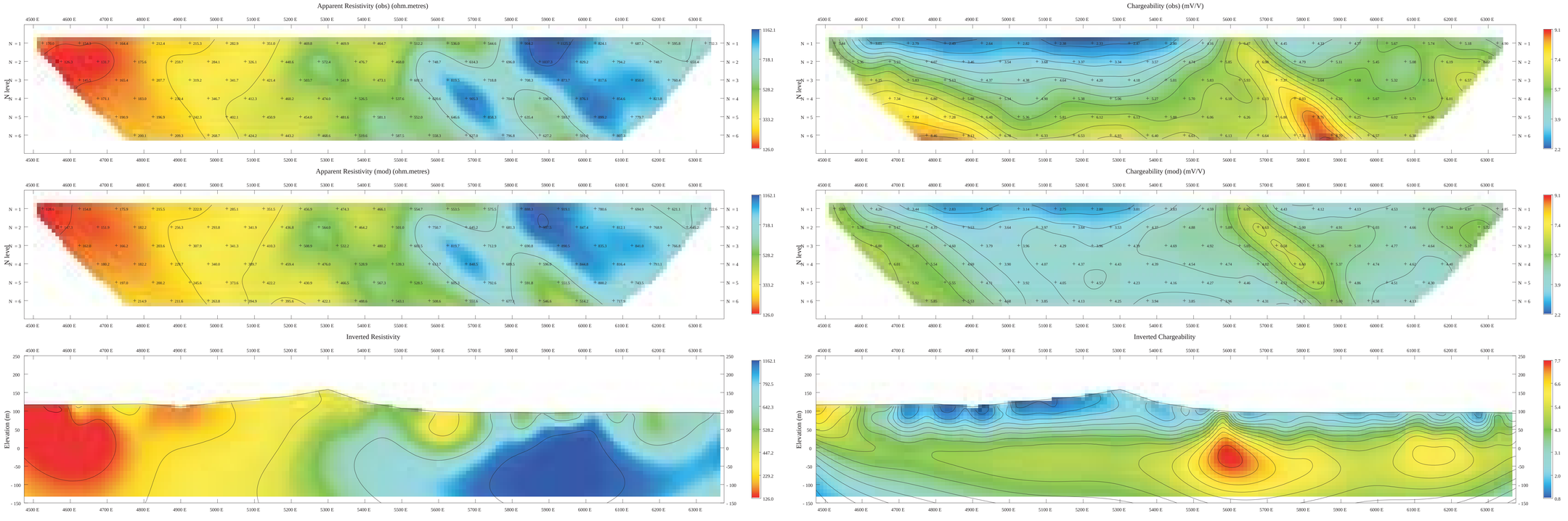
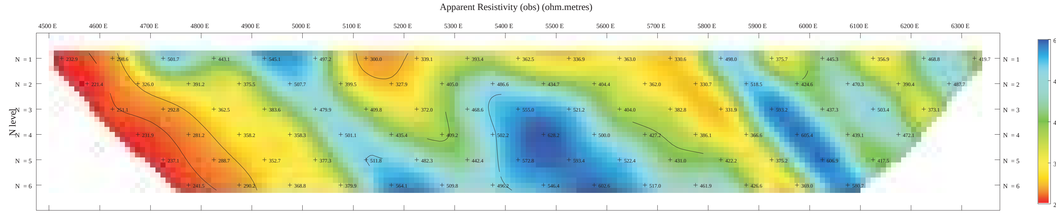
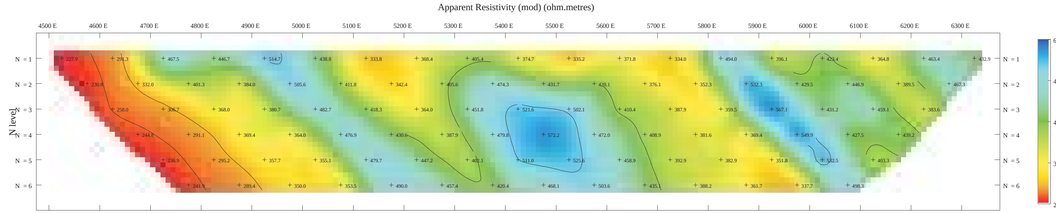
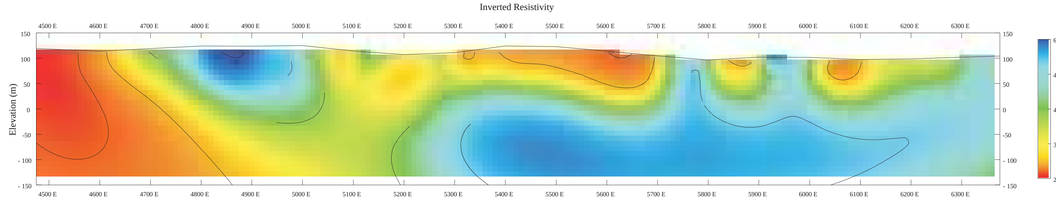
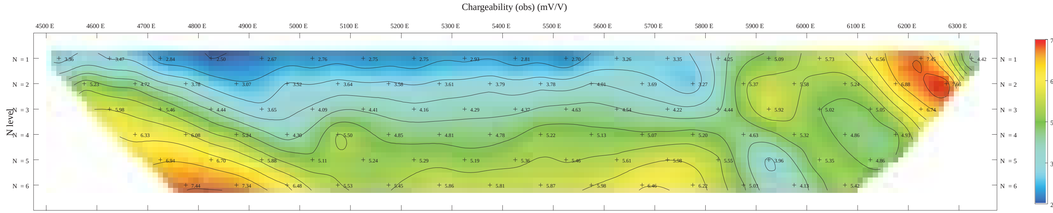


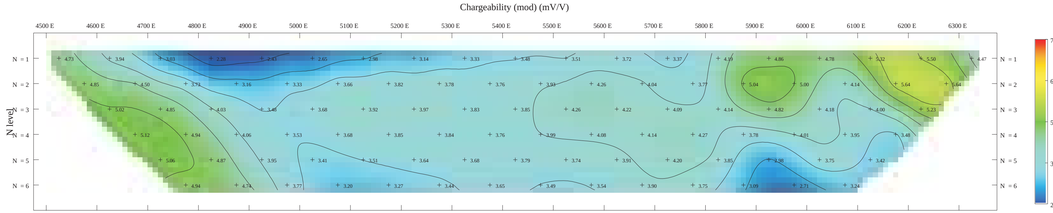
Western Copper Corp.	
Island Copper Project	
Line 20 000 E	
Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

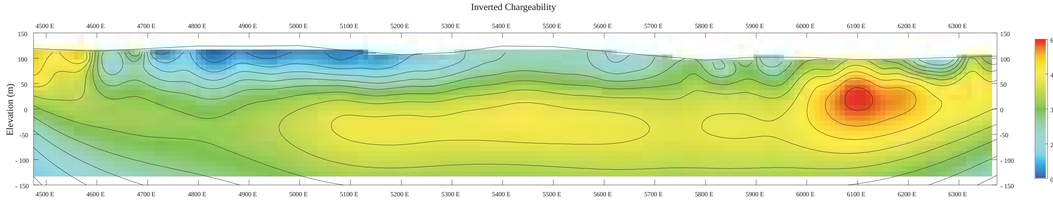












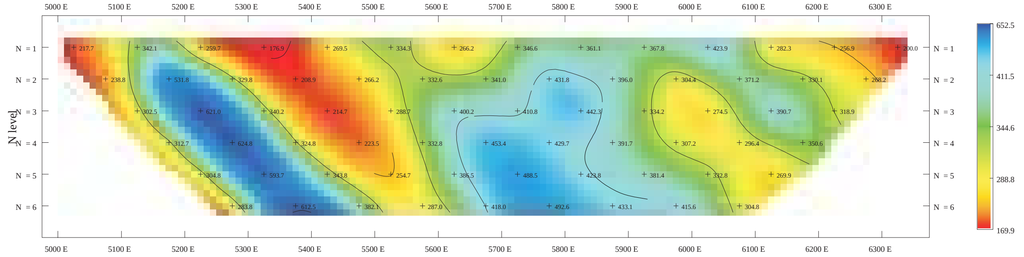
Western Copper Corp.

Island Copper Project

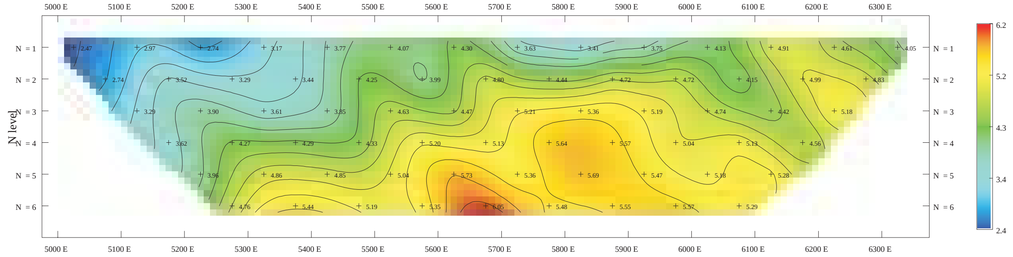
Line 21 000 E

Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

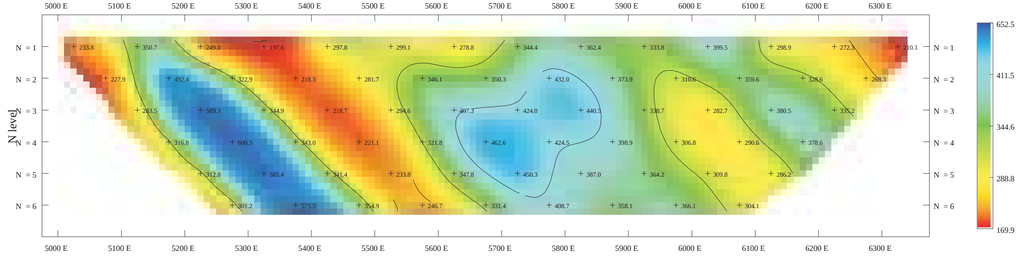
Apparent Resistivity (obs) (ohm.metres)



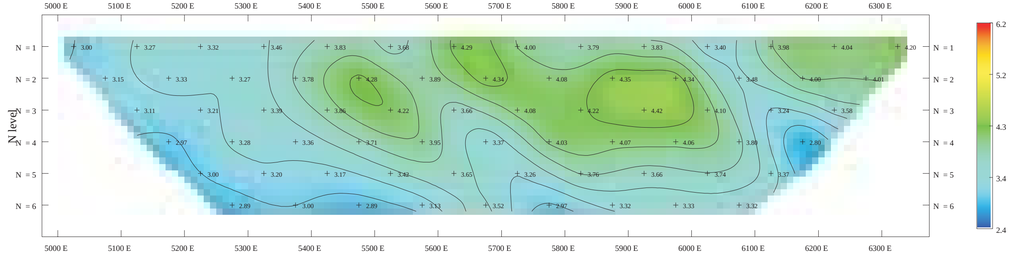
Chargeability (obs) (mV/V)



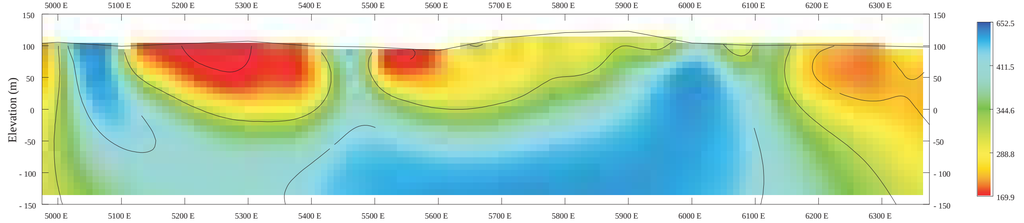
Apparent Resistivity (mod) (ohm.metres)



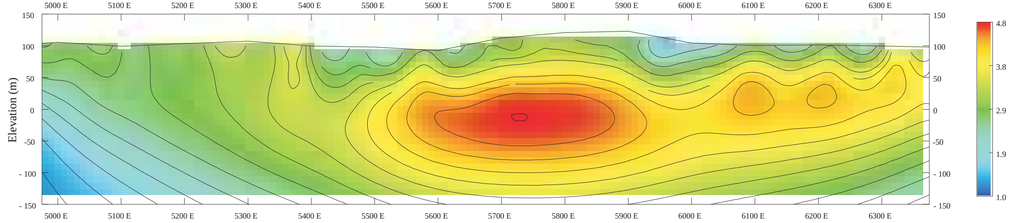
Chargeability (mod) (mV/V)



Inverted Resistivity



Inverted Chargeability



Scale 1: 5 000

0 100 200 300 400

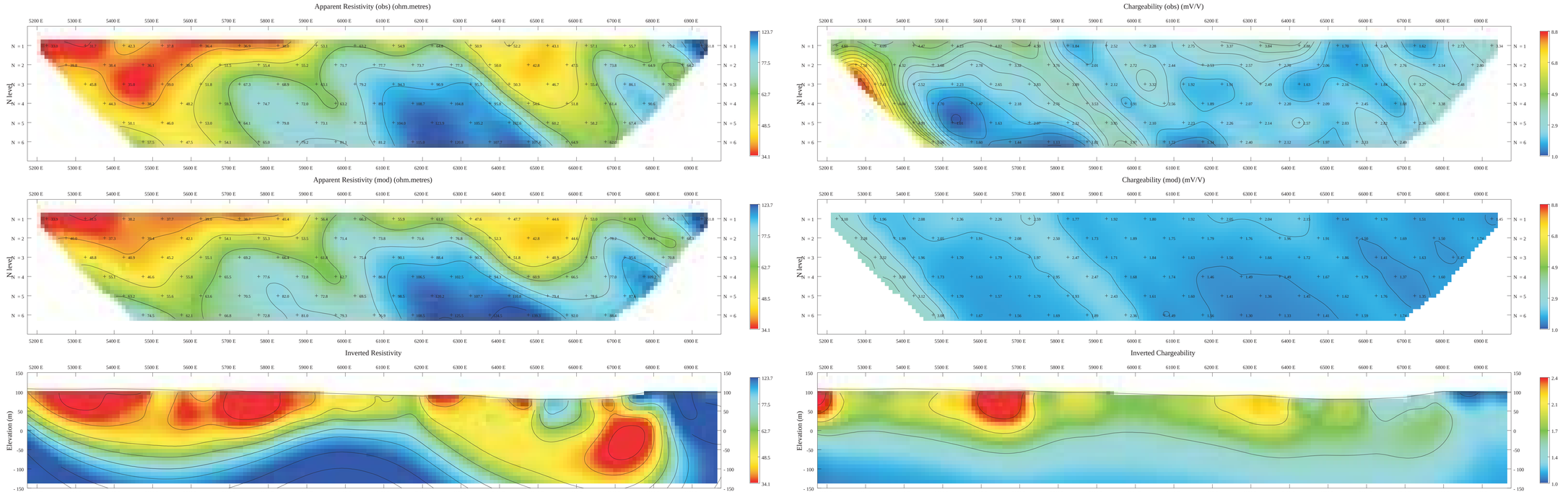
metres

Wester Copper Corp.

Island Copper Project

Line 22 000 E

Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :



Western Copper Corp.	
Island Copper Project	
Line 24 700 E	
Author : scott	Ref :
Drawn :	
Date : 26-Oct-2011	Report No :
Scale 1: 5 000	Plan No :

Appendix G: Geology Map, Drill Holes and 2011 IP Survey Lines

610,000mE
615,000mE
620,000mE
625,000mE
5,610,000mN
5,605,000mN
13,000E
14,000E
15,000E
16,000E
17,000E
18,000E
19,000E
20,000E
21,000E
22,000E
24,700E

Rupert Claim Block Boundary

Island Copper Pit

Rupert Inlet

R-012
R-017
C314
C99
R-009
R-021
R-001
C333
C31
C330
C331
C332
C98
R-004
R-005
R-002
C312
C313
R-003
RUPERT
R-013
R-015
R-014
R-026
BC-010
BC-009
BC-005
BC-006
BC-003
R-010
BC-007
BC-004
R-025
R-029
BC-001
R-008
R-007
R-028
R-016
R-019
R-027
R-022
R-023
R-018
R-020
R-006
HAR
18E
TIE

Lithologic Units

STRATIFIED ROCKS

QUATERNARY
- QT — Glacial Till

LOWER CRETACEOUS
Coal Harbour Group
- lKC — Sandstone, siltstone, conglomerate

UPPER TRIASSIC to MIDDLE JURASSIC
Bonanza Group
"Bonanza Volcanics"
- JB — Undivided
- JB1 — Andesite
- JB2 — Andesite lapilli/ash tuff
- JB3 — Rhyolite; flow foliated
- JB4 — Dacite
- JB5 — Basalt
- JB6 — Sedimentary rock
- JB7 — Biotite hornfels

"Bonanza Volcanics" altered facies
- JBa1 — Silica, locally hydrothermal breccia
- JBa2 — Silica-pyrophyllite+/-kaolinite+/-dickite+/-diaspore+/-alunite+/-topaz
- JBa3 — Silica-pyrophyllite-clay with abundant pyrite
- JBa4 — Clay (silica largely absent)
- JBa5 — Silica-chlorite-magnetite
- JBa6 — Sericite-chlorite-clay+/-pyrite

Parson Bay Formation
- uTP — Impure limestone, calcareous mudstone, siltstone, shale, sandstone, volcaniclastic rocks, basaltic lithic tuff, pillow lava

UPPER TRIASSIC
Vancouver Group
Quatsino Formation
- uTQ — Bedded to massive micritic to bioclastic limestone

Karmutsen Formation
- uTKb — Thin horizons of limestone near the top of the succession
- uTK — Aphanitic to coarsely plagioclase-phyric subaerial basalt, commonly amygdaloidal, local pillows and hyaloclastite

INTRUSIVE ROCKS

TERTIARY
Intrusive Dykes, Sills and Stocks
- Ti — Basalt

EARLY to MIDDLE JURASSIC
Island Plutonic Suite
- JI — Undivided: medium to coarse grained, equigranular to porphyritic granitoid rocks
- JI1 — Diorite
- JI2 — Quartz feldspar porphyry
- JI3 — Granodiorite
- JI4 — Monzonite

Minor Intrusions
- JBi — Mafic intrusions inferred to be "Bonanza" age

Western Forest Products Road

Fault, thrust
Major fault, normal
Outcrop
Claim Boundary
Mag high
Mag Low
Mag Mixed
Drill Hole
Bedding (45)
Foliation (45)
Joint (45)
Dyke (45)
Vein (75)
Fold Axis (45)
Fault (45/45)
Lineation
2005 Rock Sample (grab,float)
2005 Silt Sample

LEGEND

- IP Survey Line
- IP Survey Station
- MINFILE Occurance
- Historical Drill Hole
- Chargeabilty Anomaly

T.N.
0° 58'
13° 46' East
Grid north
Magnetic north
Annual change 11.3'/year West

NORTHISLE COPPER AND GOLD INC.

Rupert Claim Block

Geophysical Survey Lines and Geology

0 1 2
kilometres

Scale 1 : 20,000

UTM Zone 9, NAD83, NTS 92L/11 and 92L/12

DATE: Jan 2012

Appendix H: Data CD