



Ministry of Energy & Mines  
Energy & Minerals Division  
Geological Survey Branch

ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)] <i>Geophysical</i>		\$ TOTAL COST <i>\$ 35,586.04</i>
AUTHOR(S) <i>Lindor Larson</i>	SIGNATURE(S) <i>L. Larson</i>	
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S)		YEAR OF WORK <i>2009</i>
STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) <i>4446308, Jan 5/10</i>		
PROPERTY NAME <i>Kluskin</i>		
CLAIM NAME(S) (on which work was done) <i>Kluskin 1 (589304)</i>		
COMMODITIES SOUGHT <i>Cu, Mo, Au</i>		
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN <i>092L 144, 092L 237</i>		
MINING DIVISION <i>Nanaimo</i> NTS <i>92L/5</i>		
LATITUDE <i>50° 18' 57"</i> LONGITUDE <i>127° 45' 12"</i> (at centre of work)		
OWNER(S) 1) <i>Ronald B. Iquist</i> 2) <i>Johan Shearer</i> 3) <i>Centerfire Minerals</i>		
MAILING ADDRESS <i>1410 Degraaf Rd Gabriola Island BC V0R 1X7</i> <i>Unit 5, 2330 Tyler St Port Coquitlam BC V3C 2Z1</i> <i>410-890 W Pender Vancouver BC V6C 1T9</i>		
OPERATOR(S) [who paid for the work] 1) <i>Centerfire Minerals Inc.</i> 2) _____		
MAILING ADDRESS <i>410-890 West Pender St Vancouver, B.C. V6C 1T9</i>		
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude): <i>Lemane Lake volcanics, Faisons Bay formation, Island Plutonic Suite, copper skarn, copper-molybdenum porphyry</i>		
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS <i>31164, 20094, 4730,</i> <i>2407</i>		

(OVER)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	9.7	589304	15 000.00
Electromagnetic			
Induced Polarization	2.4	589304	15.000.00
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil			
Silt			
Rock			
Other			
DRILLING			
(total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)	9.7	589304	5,586.04
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST	35,586.04

# **Assessment Report**

*on the*

**BC Geological Survey  
Assessment Report  
31399**

## **2009 Exploration Program Ground Geophysics**

### **KLASKINO PROPERTY**

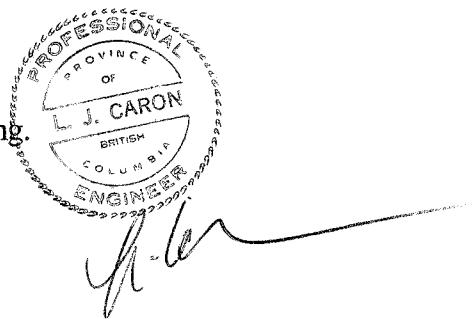
**Nanaimo Mining Division,  
British Columbia, Canada**

**NTS 092L/05**

**Center of Work:  
Latitude 50° 18' 57" N  
Longitude 127° 45' 12" W**

**Prepared for:  
Centerfire Minerals Inc.  
410 – 890 West Pender St.  
Vancouver, B.C.  
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By:  
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February 16, 2010

## TABLE OF CONTENTS

	<u>Page</u>
1.0 SUMMARY.....	1
2.0 INTRODUCTION .....	2
2.1 Property Location and Description .....	2
2.2 Access, Climate, Local Resources, Infrastructure and Physiography .....	5
3.0 HISTORY .....	6
3.1 Summary of 2009 Work Program .....	7
4.0 GEOLOGY & MINERALIZATION.....	8
4.1 Regional Geology .....	8
4.2 Property Geology .....	8
5.0 GEOPHYSICS .....	10
6.0 RECOMMENDATIONS.....	11
7.0 STATEMENT OF QUALIFICATIONS.....	12
8.0 COST STATEMENT .....	13
9.0 REFERENCES.....	14

## LIST OF FIGURES

Figure 1 - Location Map .....	3
Figure 2 - Claim Map .....	4
Figure 3a - Camp Creek Zone – Magnetometer Survey Contour Plan .....	in pocket
Figure 3b - Red Bluff Zone – Magnetometer Survey Contour Plan .....	in pocket
Figure 4a - Camp Creek Zone – Chargeability Contour Plan .....	in pocket
Figure 4b - Camp Creek Zone – Resistivity Contour Plan .....	in pocket
Figure 4c - Chargeability, Resistivity and Magnetic Profiles, LIP350N, 450N, 550N.....	in pocket

## LIST OF TABLES

Table 1 - Claim Information .....	2
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## LIST OF APPENDICES

APPENDIX 1 -	Logistical Report - Induced Polarization and Magnetometer Surveys, including raw data and UTM coordinates of grid points
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## **1.0 SUMMARY**

The Klaskino property is centred about 25 kilometers southwest of the village of Port Alice, B.C., on the west coast of northern Vancouver Island. The property consists of 5 contiguous Mineral Titles Online claims that cover an area of approximately 1692 hectares and are wholly owned or held by Centerfire Minerals Inc. by way of 2 separate option agreements.

The property is predominantly underlain by Upper Triassic to Mid Jurassic volcanics of the Lemare Lake volcanic succession and by sediments of the Parson Bay Formation. Two dominant orientations of structural fabric trends are noted on the property, northwesterly and northeasterly, coinciding in general with the trends of the regional scale Klaskino and Klaskish faults. Fault blocks consist of a moderately north-dipping homoclinal sequence of interbedded impure limestones and fine clastic sediments of the Parson Bay Formation, locally underlain by massive limestones of the Quatsino Formation, and overlain by mafic to intermediate volcanics of the Lemare Lake Succession. Numerous exposures of diorite to granodiorite of the Island Plutonic Suite occur, which represent dykes, sills and small plutons that intrude, and possibly underlie, the older units.

Sporadic previous exploration on the Klaskino property has identified 4 areas of known mineralization, the Camp Creek (Minfile 092L 144), Red Bluff (Minfile 092L 237), Jarr (Minfile 092L 191) and Brad (Minfile 092L 176) showings. None of these areas have been systematically tested by modern exploration methods, or by deep diamond drilling. All of the known areas of mineralization have characteristics of copper skarn and/or porphyry copper +/- molybdenum mineralization. Houle (2010) suggests that these four showings could represent the surface expressions of a single large mineralized cluster, related to a large intrusive of the Island Plutonic Suite underlying the Mesozoic strata, with a zone of semi-continuous alteration exposed over an area of 15-20 square kilometers.

Previous work on the property has, for the most part, been of a geological or geochemical nature. Apart from a small dip needle survey in 1966, there has not been any geophysics done in the western portion of the property (Camp Creek and Red Bluff Zones). This report summarizes the results of a small induced polarization and ground magnetic survey completed over these two areas during December 2009, to assess the suitability of these methods for wider application during subsequent work programs. The December 2009 geophysical program was part of a larger work program which included prospecting, and soil, rock and moss mat sampling. Only the geophysical portion of the program has been filed for assessment credit and only that work is detailed in this report.

The December 2009 geophysical program showed that both magnetic and induced polarization surveys may be useful exploration tools for the Klaskino property. A chargeability high anomaly with a coincident copper-molybdenum-gold-cobalt soil anomaly was defined in the Camp Creek area. Also in the Camp Creek area, a magnetic high anomaly with an in-part coincident copper-molybdenum-gold-cobalt-arsenic-mercury soil anomaly and an in-part coincident resistivity anomaly was defined. Detailed follow-up work, including trenching and diamond drilling, is recommended for both these areas. Property-scale work to assess other, less well-defined targets, is also recommended.

## **2.0 INTRODUCTION**

There are 4 areas mineralization known on the Klaskino property, the Camp Creek and Red Bluff zones in the western part of the property, and the Jarr and Brad showings in the eastern part. Limited previous work on the property has, for the most part, consisted of geological or geochemical work programs. Apart from a small dip needle survey in 1966, there has not been any geophysics done in the western portion of the property (Camp Creek and Red Bluff Zones). This report summarizes the results of a small induced polarization and ground magnetic survey completed over these two areas during December 2009, to assess the suitability of these methods for wider application during subsequent work programs. The December 2009 geophysical program was part of a larger work program which included prospecting, and soil, rock and moss mat sampling. Only the geophysical portion of the program has been filed for assessment credit, only this work is detailed in this report, and only those costs have been included in the cost statement in Section 8.0.

General background information regarding the property that is contained in this report is taken in large part from a recent NI 43-101 technical report on the property (Houle, 2010) and from a previous assessment report covering the Klaskino 1 claim (Bilquist, 2009).

### **2.1 Property Location and Description**

As shown on Figure 1, the Klaskino property is centred about 25 kilometers southwest of the village of Port Alice, B.C., on the west coast of northern Vancouver Island. The property is located on NTS map sheet 092L/05, covers an area of approximately 1692 hectares, and is centred at latitude 50°19'10"N and longitude 127°42'45"W.

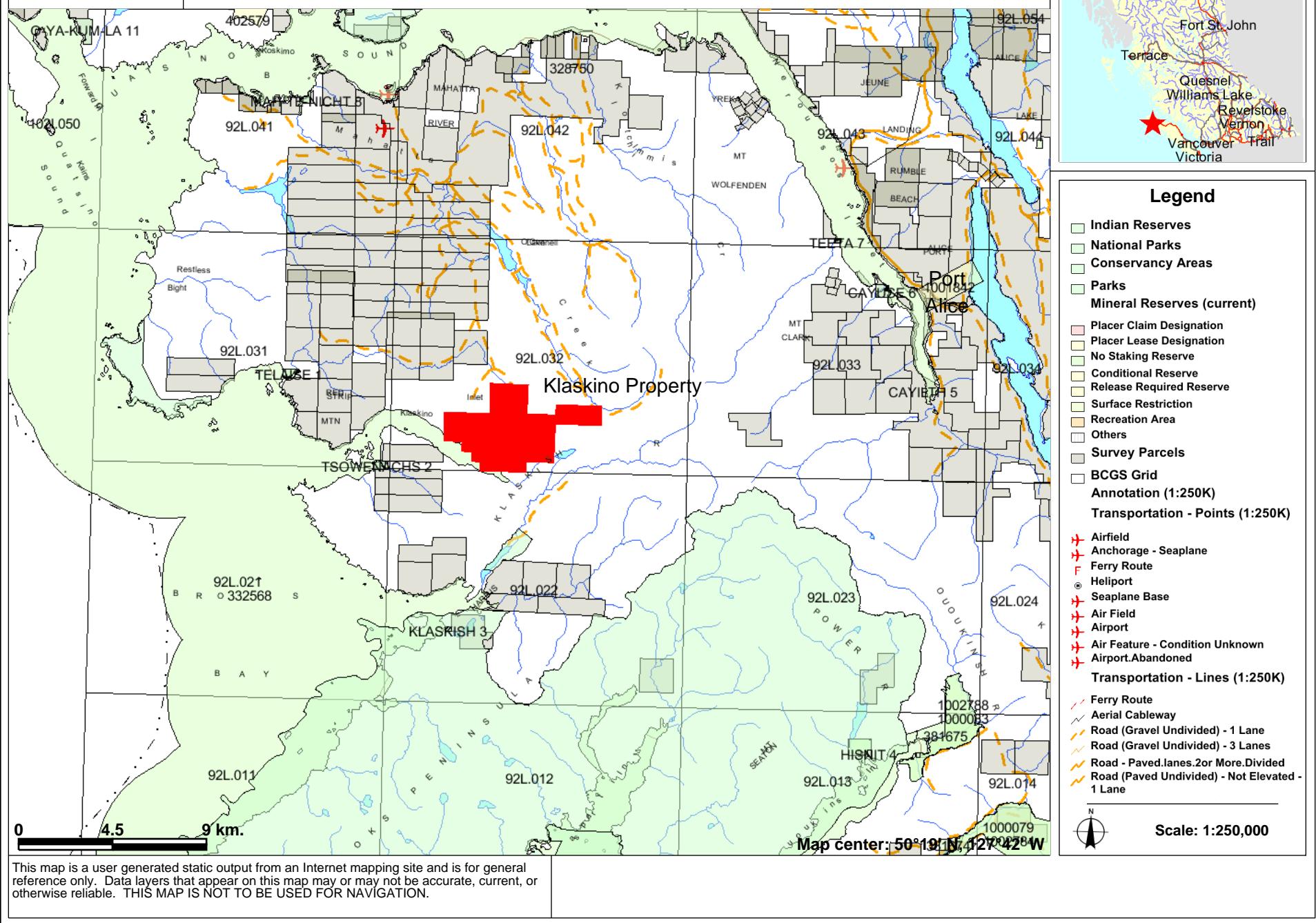
The Klaskino property consists of 5 contiguous Mineral Titles Online (MTO) claims in the Nanaimo Mining Division. The claims are shown in Figure 2 and summarized below in Table 1. Expiry dates listed in Table 1 are after filing the work that is described in this report. The locations of known mineralized zones on the property are shown relative to the property boundary in Figure 2.

Tenure Number	Claim Name	Registered Owner %	Good to Date	Area Hectares
589304	Klaskino 1	102389 (100%)	2013/DEC/31	412.72
596271	Kluska 2	124452 (100%)	2013/DEC/31	412.65
676023		230502 (100%)	2013/DEC/31	453.91
676043		230502 (100%)	2013/DEC/31	165.10
679883		230502 (100%)	2013/DEC/31	247.53
			<b>Total:</b>	<b>1691.91</b>

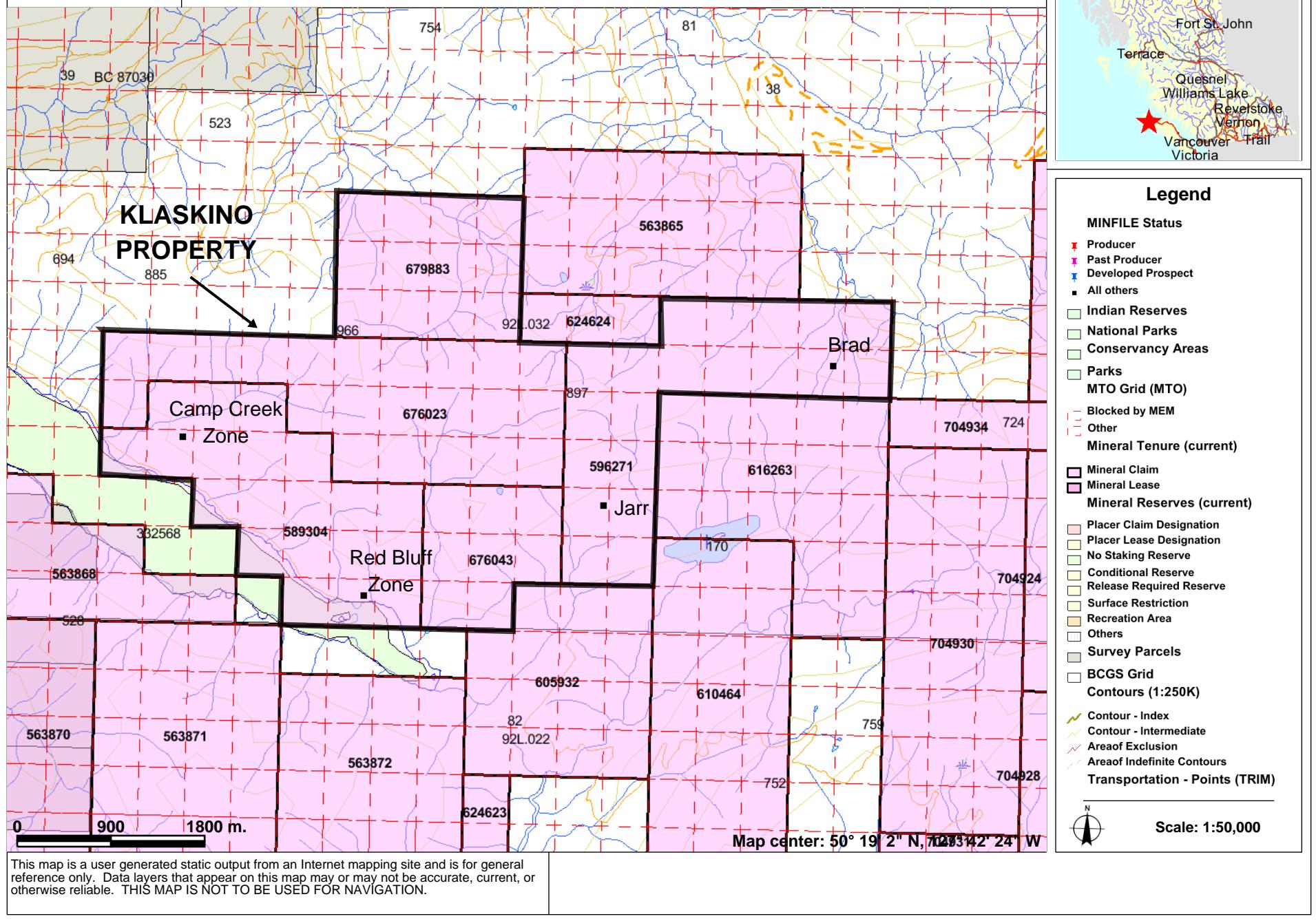
**Table 1: Claim Information**

Centerfire Minerals Inc. holds the Klaskino 1 claim under option by way of an option agreement with Ronald Bilquist and James Dawson. The company holds the Kluska claim under option by way of an option agreement with Johan Shearer. The 3 remaining claims are 100% owned by the company, subject to an area of interest clause in the Bilquist/Dawson agreement.

# Figure 1 - Location Map



## Figure 2 - Klaskino Property Claim Map



**2.2 Access, Climate, Local Resources, Infrastructure and Physiography**

The Klaskino property is located approximately 25 kilometers southwest of the town of Port Alice on northern Vancouver Island. The property is situated on the north shore of Klaskino Inlet and can be accessed by a network of gravel logging roads from Port Alice. Alternately, Klaskino Inlet provides sheltered tidewater access. Port Alice, with a population of about 800 people, has basic services (accommodation, fuel, limited supplies and food) available. Port McNeil and Port Hardy are larger full-service communities, each located about 50 kilometres by paved highway from Port Alice.

The Klaskino property is underlain entirely by crown land, within the traditional territory of the Quatsino First Nation. The village of Quatsino is located 15 kilometres south of Port Hardy.

Road access to the property from Port Alice is via the Mahatta road system and the Klaskino Main or, alternately via the Cayuse Main. Depending on weather conditions and logging activity, either route may require snow plowing for year round access. Driving time ranges from one to two hours depending on route, weather and logging activity. Accommodation may be available at Western Forest Product's bunkhouse at Mahatta or, depending on logging activity, at Lemare's East Creek camp. During the December 2009 work program, crews stayed at the Mahatta bunkhouse and accessed the property via the Klaskino Main logging road.

The terrain on and in the vicinity of the property is generally steep and rugged, with steep fast flowing deeply incised creeks that flow south into Klaskino Inlet. Elevations on the property range from sea level to over 966 meters at the peak of Mount Kotzebue. Climate and vegetation are typical of the west coast of Vancouver Island. The area receives abundant rainfall, and snow is not uncommon at higher elevations during winter months. The forest is dense and the tree canopy often results in poor GPS coverage. Undergrowth is thick, and consists of salal, salmon berry, vine maple and other west coast shrubs. Portions of the property have been logged at various times over the past 50 years, including some helicopter logging. These previously logged areas are particularly thickly regrown with second growth forest with dense undergrowth.

### **3.0 HISTORY**

The first known work on the Klaskino property was in 1903, when the Mexican Group of claims was staked to cover a large gossan visible from Klaskino Inlet (the present Red Bluff showing). Further mention is made of work in the area in 1915, on claims owned by the Klaskino Copper Company, Limited (BC Minister of Mines Annual Reports, 1903, 1915). No further work is known on the property until the 1960's when porphyry copper mineralization was identified at the Island Copper deposit, and exploration attempted to discover other areas of similar mineralization nearby. The following discussion, taken in large part from Houle (2010), describes several small work programs that have been completed on the property since the late 1960's.

There has been some confusion with the same name being applied to different showings over the years (i.e. West Zone, North Zone, Sinker Zone). For simplicity, in this report, areas of mineralization on the property are referred to as the Camp Creek, Red Bluff, Brad and Jarr showings, not necessarily by the name used at the time the historical work was done.

**1966** Flesher and Wilson (1966) describe a small dip-needle geophysical survey and a mercury soil geochemical survey in the vicinity of the Camp Creek Zone. The report also refers to diamond drilling done, and to the presence of copper, nickel and cobalt, but without details.

**1969** Utah Construction completed geological mapping, soil sampling and 3 line miles of IP to test for copper skarn mineralization at the Brad showing, in the northeastern part of the current Klaskino property (Young, 1970; BC Minister of Mines Annual Report, 1969).

**1970-71** Stream and soil geochemical surveys were done in the vicinity of the Jarr showing, in the eastern part of the Klaskino property, where copper skarn and low-grade disseminated mineralization is reported (BC Minister of Mines Annual Report, 1970). Additional soil geochemistry was done in this area in 1971, along with geological mapping. Elevated copper values were returned from soil samples over an area of about 2.5 square kilometres. Several smaller areas of coincident elevated molybdenum were also defined. Six diamond drill holes totaling 700 feet were completed, but results were not made available (Anzalone, 1971).

In the vicinity of the Camp Creek and Red Bluff Zones, geological mapping and soil geochemical surveys were done during 1970 for Belvedere Mines Ltd. A large gossan in andesitic volcanics was found to contain abundant pyrite, with lesser pyrrhotite and finely disseminated chalcopyrite. Two large areas of anomalous copper in soils were identified (Dodson, 1970).

**1972** Perry, Knox, and Kaufman, Inc. carried out additional soil sampling in the area of the Brad showing, as well as rock chip sampling, to follow-up on work by Utah in 1969 (Kaufman, 1972).

**1973** Brinex optioned the western portion of the current Klaskino property from Ron Bilquist, and carried out a program of geological mapping and soil geochemistry in the vicinity of the Camp Creek and Red Bluff Zones. Chalcopyrite was discovered as disseminations and in fractures with pyrrhotite, and locally with molybdenite. Geochemistry results showed coincident elevated values of copper, molybdenum and cobalt in four zones (Leighton and Stokes, 1973).

**1982** B.P. Minerals Limited staked the KI claims, straddling Klaskino Inlet, and completed geological mapping and stream and soil geochemical surveys, targeting epithermal style gold mineralization (Wong, 1983).

**1989** The western part of the property was re-staked by Ron Bilquist and a prospecting program was completed. Old trenches and drill hole sites were relocated, and widespread copper skarn mineralization was identified at the Camp Creek and Red Bluff Zones (Bilquist, 1990).

**1990** Pan Orvana Resources Inc. completed geological, stream moss mat and soil geochemical surveys, plus some rock geochemistry and radiometric geophysical surveys on the Madhat Claim Group, which partially covered the eastern part of the current Klaskino property (Bradshaw, 1990).

**2009** Centerfire Minerals Inc. acquired the Klaskino property by staking and by way of two separate option agreements. A program of prospecting and rock sampling, moss mat sampling, soil geochemistry and ground geophysics (IP, magnetometer) was completed during December 2009 (Houle, 2010).

### **3.1 Summary of 2009 Work Program**

This report describes the results of a small induced polarization and ground magnetic survey completed on the Klaskino property from December 5 – 21, 2009.

The geophysical survey was completed by Brad Scott, Gord Stewart, Dave Hall, and Esteban Zaragoza of Scott Geophysics Ltd. of Vancouver, B.C. Dave Pugh, Ron Stack and Melvin Rissanen were employed by Centerfire Minerals to run lines, clear underbrush and assist with the IP survey. Crew accommodation was at Western Forest Product's bunkhouse in Mahatta. Linda Caron was the project geologist who designed the work program and prepared this report.

IP and ground mag data was collected over the Camp Creek Zone, on three 800 meter long east-west trending lines, spaced at 100 meter intervals. Mag data was also collected along contour lines in the Camp Creek and Red Bluff areas. Contour lines had variable lengths, and an ideal spacing of 50 meters in elevation. In total, 2.4 kilometers of IP and 9.7 kilometers of ground magnetometer surveying was done. Logistical details regarding the survey are contained in a separate report included as Appendix 1 (Scott, 2009).

Soil sampling was also done along the IP grid and the contour lines. The results of the geochemical samples are presented in a recent NI 43-101 report prepared on the property (Houle, 2010), but have not been filed for assessment purposes.

## 4.0 GEOLOGY & MINERALIZATION

### 4.1 Regional Geology

The Mahatta Creek map sheet (NTS 92L/5) was recently mapped as part of a large regional geological mapping program that the BC Geological Survey Branch undertook for northern Vancouver Island (Nixon et al, 2006; Nixon and Orr, 2007). This work has resulted in a new stratigraphic framework for the Early Mesozoic stratigraphy of the north island, which described as follows. The reader is referred to the above sources for a more in depth discussion of the regional geological setting.

*Geoscience Map 2006-4 covers the Mahatta Creek area (NTS 092L/5). The region is underlain by a folded and faulted sequence of Late Triassic to Middle Jurassic volcanic and sedimentary rocks of the Vancouver and Bonanza groups intruded by granitoids of the Early to Middle Jurassic Island Plutonic Suite. The latter intrusions are associated with important calc-alkaline Cu-Mo-Au porphyry, base- and precious-metal skarn and epithermal mineral occurrences. The folded Triassic-Jurassic succession is overlain unconformably by Cretaceous marine clastics equivalent to rocks of the Kyuquot, Queen Charlotte and Nanaimo groups which are exposed elsewhere on Vancouver Island and in the Queen Charlotte Islands. These strata are succeeded by Tertiary (Neogene) volcanic and-sedimentary rocks of the Alert Bay volcanic belt. Recently recognized granitoid plutons of Miocene-Pliocene age, the Klaskish Plutonic Suite, appear to be confined to the Brooks Peninsula fault zone and represent intrusive equivalents of the Alert Bay volcanic rocks. The Mahatta Creek and previously published geoscience maps provide a new stratigraphic framework for the Early Mesozoic strata, calibrated by  $^{40}\text{Ar}/^{39}\text{Ar}$  and U-Pb isotopic dating and macrofossil and microfossil (conodont and radiolarian) faunas. The Bonanza Group now includes the Late Triassic Parson Bay Formation, which contains mappable volcanic-volcaniclastic horizons and is overlain by unnamed volcaniclastic-sedimentary strata of latest Triassic (Rhaetian) to lowermost Jurassic (Hettangian) age. These strata are succeeded by Early (Hettangian) to Middle (Bajocian) Jurassic, predominantly volcanic and volcaniclastic sequences of the informally named LeMare Lake volcanic unit, formerly known as the "Bonanza volcanics". The latter term may be usefully retained to informally refer to all the volcanic rocks within the Bonanza Group, as presently defined.*

### 4.2 Property Geology

As shown by Nixon et al (2006), the Klaskino property is situated north of the Klaskino Fault, which trends northwest through Klaskino Inlet, and north of the northeast trending Klaskish Fault along the Klaskish River. Except for the extreme eastern part of the property, the claims are situated west of the north-northwest trending Mahatta Fault, which generally follows Mahatta Creek.

The property is predominantly underlain by volcanics of the Lemare Lake volcanic succession and by sediments of the Parson Bay Formation. Two dominant orientations of structural fabric trends are noted on the property, northwesterly and northeasterly, coinciding in general with the trends of the regional scale Klaskino and Klaskish faults. Fault blocks consist largely of a moderately north-dipping homoclinal sequence of interbedded impure limestones and fine clastic sediments of the Parson Bay Formation, locally underlain by massive limestones of the Quatsino Formation, and overlain by mafic to intermediate volcanics of the Lemare Lake Succession. Previous workers have observed numerous exposures of the Island Plutonic Suite during the course of property scale work, which represent dykes, sills and small plutons of diorite to granodiorite that intrude the older units. Houle (2010) suggests that these intrusives may underlie all other units on the Property, as suggested by high magnetic responses from regional aeromagnetics.

Previous exploration on the Klaskino property has identified four areas of mineralization, the Camp Creek (Minfile 092L 144), Red Bluff (Minfile 092L 237), Jarr (Minfile 092L 191) and Brad (Minfile 092L 176) showings, as shown relative to property boundaries on Figure 2. All have characteristics of copper skarn and/or porphyry copper +/- molybdenum mineralization. Houle (2010) suggests that these four showings could represent the surface expressions of a single large mineralized cluster, related to a large intrusive of the Island Plutonic Suite underlying the Mesozoic strata, with a zone of semi-continuous alteration exposed over an area of 15-20 square kilometers.

## **5.0 GEOPHYSICS**

During December 2009, induced polarization and ground magnetometer surveys were performed on the Klaskino property. A total of 2.4 kilometers of IP survey and 9.7 kilometers of magnetometer survey were completed, under contract to Scott Geophysics Ltd. A brief logistical report is included in Appendix 1, which describes the survey specifications.

Seven contour lines were run over the Camp Creek area. Contour lines had an ideal elevation spacing of 50 meters and ranged up to 850 meters in length, to give good coverage over the zone of known mineralization. Three contour lines were also run over the Red Bluff Zone. Contour lines were labelled with the ideal elevation (i.e. L100m, L150m, etc.), with stations labelled with an easting coordinate relative to the start point of the line. Magnetometer readings were collected over all contour lines. Readings were taken at 12.5 meter intervals along lines, and with GPS readings collected from all stations where possible. It should be emphasized that the terrain presents a challenge to exploration, particularly in the Red Bluff area, and that the combination of the steep terrain and the tree canopy results in poor GPS coverage in many places, so that it is not always possible to get a clear signal. Ground mag data is presented for the Camp Creek and Red Bluff areas, in Figures 3a and 3b respectively. Raw mag data and GPS readings for stations are included in Appendix 1.

Three 800 meter long, east-west trending, flag and picket grid lines were run over the Camp Creek area. Lines were spaced at 100 meter intervals and were labelled as L IP350N, L IP450N and L IP550 N. Both IP and ground mag data were collected over the Camp Creek grid. Magnetometer data is presented, along with the data collected on contour lines, in Figure 3a. Chargeability and resistivity contour results are presented in Figures 4a and 4b, respectively. Profiles are included as Figure 4c. The IP survey utilized a pole dipole array, with an “a” spacing of 25 meters and “n” separations of 1 to 5. GPS readings and raw data collected at all stations are included in Appendix 1.

The December 2009 geophysical program showed that both magnetic and induced polarization surveys may be useful exploration tools for the Klaskino property. In the Camp Creek area, a chargeability high anomaly centered on L IP550N 325E (588750E 5574550N), was defined by the survey. The anomaly remains open to the north of the area tested. A coincident copper-molybdenum-gold-cobalt soil anomaly was defined by the December work program, which similarly remains open to the north. Outcrop samples collected from this area consisted of silicified sediments with 5-15% stringer and stockwork sulfides, and with elevated copper and molybdenum values. It is a high priority target for follow-up (Houle, 2010).

Also in the Camp Creek area, a mag high anomaly, about 200 metres in diameter and centered at L IP450N 550E (588975E 5574475N), was defined by the December 2009 survey. A copper-molybdenum-gold-cobalt-arsenic-mercury soil anomaly coincides with the western part of the mag high anomaly, while the eastern part of the mag high anomaly has a coincident resistivity high response. Rock samples from an old blasted trench in this area consisted of chlorite and actinolite altered mafic volcanics with 5-15% sulphides, and returned elevated copper values. This area is a further high priority target for follow-up (Houle, 2010).

In the Red Bluff area, the survey covered too small an area to result in anomaly definition, but does show, as in the Camp Creek area, that ground magnetics may be a useful exploration method to focus follow-up trenching or diamond drilling.

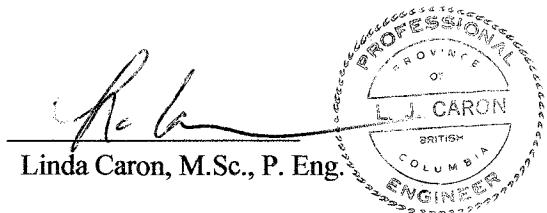
## **6.0 RECOMMENDATIONS**

Additional work is recommended for the Klaskino property. This work should include both detailed follow-up (trenching and/or diamond drilling) to known targets, as well as property-scale work to assess other less well-defined areas. This property-scale work should include geological mapping, prospecting, soil and moss-mat geochemistry and geophysics. Consultation with the local First Nations and an archaeological assessment of the property is also recommended. Houle (2010) presents detailed recommendations for a phased \$500,000 work program for the property.

## **7.0 STATEMENT OF QUALIFICATIONS**

I, Linda J. Caron, certify that:

1. I am a geologist residing at 717 75<sup>th</sup> Ave (Box 2493), Grand Forks, B.C., V0H 1H0 and a director of Centerfire Minerals Inc.
2. I obtained a B.A.Sc. in Geological Engineering (Honours) in the Mineral Exploration Option, from the University of British Columbia (1985) and graduated with an M.Sc. in Geology and Geophysics from the University of Calgary (1988).
3. I have practised my profession since 1987 and have worked in the mineral exploration industry since 1980.
4. I am a member in good standing with the Association of Professional Engineers and Geoscientists of B.C. with professional engineer status.
5. I visited the Klaskino property on November 27-28<sup>th</sup>, 2009.



*Feb 16/10*

Date

**8.0 COST STATEMENT****Labour**

Linda Caron	Geologist 3 days @ \$600/day	\$ 1,800.00
Dave Pugh	Program Supervisor, Grid work 6 days @ \$300/day	\$ 1,800.00
Ron Stack	Grid work, IP Survey labourer 6 days @ \$300/day	\$ 1,800.00
Mel Rissanen	Grid work, IP survey labourer 6 days @ \$300/day	<u>\$ 1,800.00</u> \$ 7,200.00

**Geophysics**

Scott Geophysics – 2.4 km IP, 9.7 km magnetometer survey	\$ 23,761.04
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**Expenses**

Food	40 man days x \$30 per man day	\$ 1,200.00
Travel (ferry, fuel)		\$ 875.00
Accommodation (Mahatta Camp)		
	40 man days x \$30 per man day	\$ 1,200.00
Vehicle rental	10 days @ \$100/day	\$ 1,000.00
Field/camp supplies		<u>\$ 350.00</u>
		\$ 4,625.00

**Total: \$ 35,586.04**

## **9.0 REFERENCES**

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Bradshaw, P., 1990.

Report on Geological and Geochemical Soil Grid, the Madhat 1-4 Claim Group, Nanaimo Mining District, Vancouver Island, British Columbia, December 1990. Assessment Report 21,120.

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## APPENDIX 1

Logistical Report  
Induced Polarization and Magnetometer Surveys  
(including raw magnetometer data)

Klaskino Property

by Alan Scott  
SCOTT GEOPHYSICS LTD.

LOGISTICAL REPORT  
INDUCED POLARIZATION AND MAGNETOMETER SURVEYS  
KLASKINO PROPERTY, PORT ALICE AREA, B.C.

on behalf of

CENTERFIRE MINERALS INC.  
Suite 410 – 890 West Pender Street  
Vancouver, B.C. V6C 1J9

Surveys performed: December 7 to 21, 2009

by

Alan Scott, Geophysicist  
SCOTT GEOPHYSICS LTD.  
4013 West 14<sup>th</sup> Avenue  
Vancouver, B.C. V6R 2X3

December 28, 2009

## TABLE OF CONTENTS

	page
1    Introduction	1
2    Survey coverage and procedures	1
3.   Personnel	1
4.   Instrumentation	1

### Appendix

Statement of Qualifications	rear of report
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### Accompanying Maps

Chargeability/Resistivity Pseudosections with Magnetometer Profiles Lines IP350N, IP450N, and IP550N	(1:2500 scale)
Chargeability contour plan	IP Grid
Resistivity contour plan	IP Grid
Magnetometer contour plan	IP Grid and Contour Lines
Magnetometer contour plan	Red Bluff Contour Lines

### Accompanying Data Files

All final IP, magnetometer, and GPS survey data and maps
--

## 1. INTRODUCTION

Induced polarization (IP) and magnetometer surveys were performed at the Klaskino Property, Port Alice Area, B.C., within the period December 7 to 21, 2009.

The surveys were performed by Scott Geophysics Ltd. on behalf of Centerfire Minerals Inc. This report describes the instrumentation and procedures, and presents the results of the surveys.

## 2. SURVEY COVERAGE AND PROCEDURES

A total of 2.4 km of IP survey and 9.7 km of magnetometer survey were performed at the Klaskino Property. The surveys were performed concurrently with establishing the survey lines and the performance of a geochemical survey.

The pole dipole array was used for the IP survey with an "a" spacing of 25 metres and at "n" separations of 1 to 5. The on line current electrode was to the east of the potential electrodes on all survey lines.

The chargeability and resistivity results are presented on the accompanying pseudosections. The contour plan maps are the triangular filtered values. The magnetometer survey results are presented as profiles at the top of the pseudosections and as contour plans. All contour plans are GPS derived WGS84 UTM coordinates.

## 3. PERSONNEL

Gord Stewart was the crew chief on the survey on behalf of Scott Geophysics Ltd. Linda Caron was the representative on behalf of Centerfire Minerals Inc.

## 4. INSTRUMENTATION

A GDD Rx8 receiver and GDD TxII transmitter 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 maps is for the interval 690 to 1050 msec after shutoff. A Scintrex ENVI was used for the magnetometer survey. All data was corrected for diurnal drift with reference to a Scintrex ENVI base station cycling at 10 second intervals.

Respectfully Submitted,



Alan Scott, Geophysicist

Statement of Qualifications

for

Alan Scott, Geophysicist

of

4013 West 14<sup>th</sup> Avenue  
Vancouver, B.C. V6R 2X3

I hereby certify the following statements regarding my qualifications and involvement in the program of work conducted on behalf of Centerfire Minerals Inc., at the Klaskino Property, Port Alice Area, B.C., and as presented in this report of December 28, 2009.

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.

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W CL150N 825E	09U	589125	5574123	Waypoi nt	E	151. 3	09-DEC-09	12: 31: 35
W CL150N 850E	09U	589152	5574103	Waypoi nt	E	151. 3	09-DEC-09	12: 33: 29
W CL200N 0E	09U	588695	5574625	Waypoi nt	E	202. 5	10-DEC-09	12: 52: 34
W CL200N 25E	09U	588678	5574605	Waypoi nt	E	202. 2	10-DEC-09	12: 45: 02
W CL200N 50E	09U	588659	5574576	Waypoi nt	E	202. 7	10-DEC-09	12: 35: 11
W CL200N 75E	09U	588645	5574562	Waypoi nt	E	203. 2	10-DEC-09	12: 25: 12
W CL200N 100E	09U	588636	5574537	Waypoi nt	E	203. 2	10-DEC-09	12: 20: 43
W CL200N 125E	09U	588634	5574517	Waypoi nt	E	204. 2	10-DEC-09	12: 12: 07
W CL200N 150E	09U	588634	5574497	Waypoi nt	E	205. 6	10-DEC-09	12: 02: 58
W CL200N 175E	09U	588643	5574467	Waypoi nt	E	206. 3	10-DEC-09	11: 58: 00
W CL200N 200E	09U	588657	5574447	Waypoi nt	E	203. 9	10-DEC-09	11: 48: 35
W CL200N 225E	09U	588667	5574437	Waypoi nt	E	202. 7	10-DEC-09	11: 38: 01
W CL200N 250E	09U	588678	5574415	Waypoi nt	E	201. 3	10-DEC-09	11: 34: 54
W CL200N 275E	09U	588694	5574401	Waypoi nt	E	201. 0	10-DEC-09	11: 27: 38
W CL200N 300E	09U	588716	5574389	Waypoi nt	E	195. 5	10-DEC-09	11: 20: 08
W CL200N 350E	09U	588765	5574383	Waypoi nt	E	203. 2	10-DEC-09	11: 04: 12
W CL200N 375E	09U	588777	5574358	Waypoi nt	E	202. 0	10-DEC-09	10: 57: 57
W CL200N 400E	09U	588791	5574343	Waypoi nt	E	200. 6	10-DEC-09	10: 46: 53
W CL200N 425E	09U	588801	5574326	Waypoi nt	E	197. 9	10-DEC-09	10: 32: 02
W CL200N 450E	09U	588820	5574304	Waypoi nt	E	216. 2	09-DEC-09	15: 41: 51
W CL200N 475E	09U	588843	5574291	Waypoi nt	E	216. 2	09-DEC-09	15: 34: 09
W CL200N 550E	09U	588890	5574251	Waypoi nt	E	215. 5	09-DEC-09	15: 12: 11
W CL200N 575E	09U	588904	5574238	Waypoi nt	E	213. 8	09-DEC-09	14: 45: 57
W CL200N 600E	09U	588933	5574226	Waypoi nt	E	209. 9	09-DEC-09	14: 41: 26
W CL200N 650E	09U	588964	5574212	Waypoi nt	E	208. 0	09-DEC-09	14: 38: 00
W CL200N 725E	09U	589029	5574184	Waypoi nt	E	204. 6	09-DEC-09	13: 53: 43
W CL200N 775E	09U	589077	5574175	Waypoi nt	E	203. 2	09-DEC-09	13: 39: 30
W CL200N 800E	09U	589112	5574169	Waypoi nt	E	202. 7	09-DEC-09	13: 30: 14
W CL200N 825E	09U	589134	5574160	Waypoi nt	E	202. 7	09-DEC-09	13: 24: 48
W CL200N 850E	09U	589150	5574150	Waypoi nt	E	200. 1	09-DEC-09	6: 43: 52
W CL250N 0E	09U	588901	5574653	Waypoi nt	E	251. 0	10-DEC-09	14: 09: 54
W CL250N 25E	09U	588886	5574653	Waypoi nt	E	250. 3	10-DEC-09	14: 21: 35
W CL250N 50E	09U	588860	5574641	Waypoi nt	E	250. 3	10-DEC-09	14: 30: 31
W CL250N 75E	09U	588845	5574623	Waypoi nt	E	253. 0	10-DEC-09	14: 39: 37
W CL250N 100E	09U	588825	5574615	Waypoi nt	E	249. 8	10-DEC-09	14: 44: 53
W CL250N 125E	09U	588799	5574603	Waypoi nt	E	253. 2	10-DEC-09	14: 53: 35
W CL250N 150E	09U	588770	5574585	Waypoi nt	E	250. 3	10-DEC-09	15: 00: 33
W CL250N 175E	09U	588750	5574573	Waypoi nt	E	250. 1	10-DEC-09	15: 07: 52
W CL250N 200E	09U	588728	5574552	Waypoi nt	E	250. 1	10-DEC-09	15: 15: 26
W CL250N 225E	09U	588716	5574523	Waypoi nt	E	250. 3	10-DEC-09	15: 22: 47
W CL250N 250E	09U	588723	5574508	Waypoi nt	E	252. 0	10-DEC-09	15: 33: 36
W CL250N 275E	09U	588725	5574496	Waypoi nt	E	252. 2	10-DEC-09	15: 40: 58
W CL250N 300E	09U	588723	5574483	Waypoi nt	E	252. 5	10-DEC-09	15: 52: 43
W CL250N 325E	09U	588734	5574446	Waypoi nt	E	243. 8	11-DEC-09	10: 11: 12
W CL250N 350E	09U	588761	5574434	Waypoi nt	E	246. 9	11-DEC-09	10: 21: 19
W CL250N 400E	09U	588787	5574413	Waypoi nt	E	246. 9	11-DEC-09	10: 35: 44
W CL250N 425E	09U	588819	5574411	Waypoi nt	E	252. 0	11-DEC-09	10: 55: 19
W CL250N 450E	09U	588835	5574395	Waypoi nt	E	252. 7	11-DEC-09	11: 01: 22
W CL250N 475E	09U	588856	5574380	Waypoi nt	E	252. 7	11-DEC-09	11: 05: 52
W CL250N 500E	09U	588878	5574360	Waypoi nt	E	253. 9	11-DEC-09	11: 07: 36
W CL250N 525E	09U	588899	5574337	Waypoi nt	E	254. 4	11-DEC-09	11: 12: 20
W CL250N 550E	09U	588919	5574329	Waypoi nt	E	253. 0	11-DEC-09	11: 19: 54
W CL250N 575E	09U	588940	5574319	Waypoi nt	E	252. 5	11-DEC-09	11: 21: 58
W CL250N 600E	09U	588973	5574312	Waypoi nt	E	252. 2	11-DEC-09	11: 29: 40
W CL250N 625E	09U	588983	5574295	Waypoi nt	E	251. 7	11-DEC-09	11: 36: 26
W CL250N 650E	09U	588999	5574271	Waypoi nt	E	252. 2	11-DEC-09	11: 42: 07

## CLgri dGPS. txt

W CL250N 675E	09U	589025	5574258	Waypoi nt	E	257. 5	11-DEC-09	11: 47: 12
W CL250N 700E	09U	589049	5574250	Waypoi nt	E	252. 2	11-DEC-09	11: 50: 51
W CL250N 725E	09U	589076	5574247	Waypoi nt	E	251. 7	11-DEC-09	12: 01: 47
W CL250N 750E	09U	589102	5574244	Waypoi nt	E	254. 2	11-DEC-09	12: 16: 34
W CL250N 775E	09U	589127	5574238	Waypoi nt	E	257. 3	11-DEC-09	12: 23: 57
W CL250N 800E	09U	589142	5574235	Waypoi nt	E	253. 9	11-DEC-09	12: 28: 17
W CL250N 825E	09U	589169	5574226	Waypoi nt	E	252. 5	11-DEC-09	12: 36: 33
W CL250N 850E	09U	589199	5574218	Waypoi nt	E	257. 8	11-DEC-09	12: 45: 38
W CL300N 0E	09U	589010	5574604	Waypoi nt	E	296. 4	16-DEC-09	11: 59: 55
W CL300N 25E	09U	588988	5574599	Waypoi nt	E	296. 7	16-DEC-09	11: 52: 23
W CL300N 50E	09U	588968	5574590	Waypoi nt	E	308. 0	16-DEC-09	11: 45: 22
W CL300N 75E	09U	588946	5574590	Waypoi nt	E	307. 3	16-DEC-09	11: 40: 48
W CL300N 100E	09U	588930	5574574	Waypoi nt	E	299. 1	16-DEC-09	11: 31: 09
W CL300E 125E	09U	588911	5574571	Waypoi nt	E	299. 1	16-DEC-09	11: 25: 12
W CL300N 150E	09U	588891	5574572	Waypoi nt	E	306. 5	16-DEC-09	11: 19: 59
W CL300N 175E	09U	588877	5574554	Waypoi nt	E	305. 6	16-DEC-09	11: 14: 33
W CL300N 200E	09U	588870	5574530	Waypoi nt	E	294. 3	16-DEC-09	11: 03: 01
W CL300N 300E	09U	588810	5574534	Waypoi nt	E	302. 9	11-DEC-09	16: 05: 54
W CL300N 325E	09U	588790	5574514	Waypoi nt	E	303. 2	11-DEC-09	16: 00: 54
W CL300N 350E	09U	588809	5574497	Waypoi nt	E	306. 3	11-DEC-09	15: 54: 31
W CL300N 375E	09U	588836	5574495	Waypoi nt	E	303. 9	11-DEC-09	15: 48: 21
W CL300N 400E	09U	588847	5574480	Waypoi nt	E	300. 8	11-DEC-09	15: 33: 15
W CL300N 425E	09U	588853	5574455	Waypoi nt	E	301. 7	11-DEC-09	15: 24: 59
W CL300N 450E	09U	588876	5574438	Waypoi nt	E	300. 3	11-DEC-09	15: 20: 32
W CL300N 475E	09U	588895	5574423	Waypoi nt	E	302. 2	11-DEC-09	15: 11: 23
W CL300N 500E	09U	588911	5574405	Waypoi nt	E	303. 9	11-DEC-09	15: 02: 28
W CL300N 525E	09U	588932	5574387	Waypoi nt	E	303. 4	11-DEC-09	14: 56: 59
W CL300N 550E	09U	588954	5574379	Waypoi nt	E	300. 3	11-DEC-09	14: 33: 37
W CL300N 575E	09U	588975	5574367	Waypoi nt	E	299. 8	11-DEC-09	14: 22: 07
W CL300N 600E	09U	589003	5574354	Waypoi nt	E	300. 8	11-DEC-09	14: 16: 52
W CL300N 625E	09U	589017	5574336	Waypoi nt	E	301. 3	11-DEC-09	13: 56: 59
W CL300N 650E	09U	589037	5574322	Waypoi nt	E	300. 5	11-DEC-09	13: 53: 32
W CL300N 675E	09U	589050	5574313	Waypoi nt	E	300. 1	11-DEC-09	13: 49: 26
W CL300N 700E	09U	589073	5574315	Waypoi nt	E	299. 8	11-DEC-09	13: 47: 03
W CL300N 725E	09U	589098	5574307	Waypoi nt	E	299. 8	11-DEC-09	13: 42: 15
W CL300N 775E	09U	589115	5574327	Waypoi nt	E	301. 5	11-DEC-09	13: 32: 26
W CL300N 825E	09U	589188	5574308	Waypoi nt	E	300. 3	11-DEC-09	13: 20: 33
W CL300N 850E	09U	589212	5574294	Waypoi nt	E	299. 3	11-DEC-09	13: 13: 22
W CL350N 100W	09U	589299	5574830	Waypoi nt	E	340. 7	16-DEC-09	15: 08: 56
W CL350N 75W	09U	589315	5574810	Waypoi nt	E	338. 0	16-DEC-09	15: 13: 22
W CL350N 50W	09U	589320	5574786	Waypoi nt	E	340. 7	16-DEC-09	15: 18: 05
W CL350N 25W	09U	589296	5574754	Waypoi nt	E	333. 2	16-DEC-09	15: 26: 53
W CL350N 0E	09U	589275	5574716	Waypoi nt	E	343. 8	16-DEC-09	15: 33: 11
W CL350N 25E	09U	589243	5574693	Waypoi nt	E	344. 5	16-DEC-09	15: 39: 54
W CL350N 50E	09U	589213	5574670	Waypoi nt	E	355. 3	16-DEC-09	15: 47: 58
W CL350N 300E	09U	589025	5574526	Waypoi nt	E	353. 4	16-DEC-09	12: 36: 06
W CL350N 325E	09U	589007	5574513	Waypoi nt	E	363. 5	16-DEC-09	12: 49: 30
W CL350N 350E	09U	588985	5574500	Waypoi nt	E	347. 6	16-DEC-09	12: 59: 59
W CL350N 375E	09U	588965	5574491	Waypoi nt	E	344. 8	16-DEC-09	13: 05: 47
W CL350N 400E	09U	588973	5574466	Waypoi nt	E	344. 0	16-DEC-09	13: 18: 02
W CL350N 425E	09U	588987	5574449	Waypoi nt	E	356. 5	16-DEC-09	14: 13: 06
W CL350N 450E	09U	589004	5574432	Waypoi nt	E	355. 1	16-DEC-09	14: 23: 00
W CL350N 475E	09U	589023	5574416	Waypoi nt	E	348. 6	16-DEC-09	14: 32: 47
W CL350N 500E	09U	589046	5574419	Waypoi nt	E	337. 3	16-DEC-09	14: 40: 15
W CL350N 525E	09U	589070	5574411	Waypoi nt	E	330. 8	16-DEC-09	14: 49: 54
W CL350N 550E	09U	589092	5574413	Waypoi nt	E	323. 6	16-DEC-09	14: 56: 22
W CL350N 575E	09U	589118	5574408	Waypoi nt	E	331. 1	16-DEC-09	15: 06: 21
W CL350N 600E	09U	589144	5574411	Waypoi nt	E	324. 8	16-DEC-09	15: 14: 41
W CL350N 625E	09U	589165	5574407	Waypoi nt	E	324. 8	16-DEC-09	15: 22: 39
W CL350N 650E	09U	589187	5574402	Waypoi nt	E	333. 0	16-DEC-09	15: 30: 20
W CL400N 100E	09U	589440	5574827	Waypoi nt	E	416. 4	16-DEC-09	14: 13: 31
W CL400N 125E	09U	589434	5574811	Waypoi nt	E	422. 4	16-DEC-09	14: 11: 44
W CL400N 175E	09U	589437	5574774	Waypoi nt	E	428. 6	16-DEC-09	13: 54: 43

CLgri dGPS. txt

W CL400N 200E	09U	589428	5574746	Waypoi nt		E	418. 1	16-DEC-09	13: 40: 48
W CL400N 225E	09U	589411	5574721	Waypoi nt		E	425. 3	16-DEC-09	13: 35: 32
W CL400N 250E	09U	589383	5574688	Waypoi nt		E	420. 2	16-DEC-09	13: 24: 09
W CL400N 275E	09U	589374	5574666	Waypoi nt		E	415. 7	16-DEC-09	13: 19: 51
W CL400N 300E	09U	589355	5574634	Waypoi nt		E	413. 0	16-DEC-09	13: 14: 05
W CL400N 350E	09U	589303	5574601	Waypoi nt		E	399. 3	16-DEC-09	12: 57: 38
W CL400N 375E	09U	589278	5574583	Waypoi nt		E	401. 7	16-DEC-09	12: 24: 16
W CL400N 400E	09U	589261	5574561	Waypoi nt		E	401. 2	15-DEC-09	12: 12: 39
W CL400N 425E	09U	589247	5574535	Waypoi nt		E	403. 9	15-DEC-09	12: 23: 44
W CL400N 450E	09U	589226	5574530	Waypoi nt		E	402. 9	15-DEC-09	12: 30: 44
W CL400N 475E	09U	589204	5574514	Waypoi nt		E	403. 2	15-DEC-09	12: 35: 05
W CL400N 500E	09U	589202	5574490	Waypoi nt		E	400. 0	15-DEC-09	12: 43: 40
W CL400N 525E	09U	589223	5574476	Waypoi nt		E	403. 2	15-DEC-09	12: 51: 44
W CL400N 550E	09U	589249	5574463	Waypoi nt		E	400. 0	15-DEC-09	13: 12: 31
W CL400N 575E	09U	589282	5574454	Waypoi nt		E	400. 0	15-DEC-09	13: 22: 35
W CL400N 600E	09U	589299	5574439	Waypoi nt		E	400. 0	15-DEC-09	13: 33: 11
W CL400N 625E	09U	589318	5574420	Waypoi nt		E	399. 6	15-DEC-09	13: 41: 52
W CL400N 650E	09U	589331	5574410	Waypoi nt		E	400. 0	15-DEC-09	13: 50: 48
W CL400N 675E	09U	589358	5574411	Waypoi nt		E	402. 0	15-DEC-09	14: 14: 14
W CL400N 700E	09U	589390	5574421	Waypoi nt		E	401. 0	15-DEC-09	14: 22: 06

RBgri dGPS. txt  
Red Bluff Zone contour line coordinates

H SOFTWARE NAME & VERSION  
 I GPSU 4.91 01 REGISTERED to 'Lorne stewart'  
 S DateFormat=dd/mm/yyyy  
 S Units=M, M  
 S Symbol Set=2

H R DATUM  
 M E WGS 84 100 0.000000E+00 0.000000E+00 0 0 0

H COORDINATE SYSTEM  
 U UTM UPS

F	ID-----	Zne	Easting	Northng	Symbol -----	T	O	Alt(m)	Comment
W	RB100N 4200E	09U	590320	5573161	Waypoint		E	107.3	19-DEC-09 12: 42: 31
W	RB100N 4225E	09U	590337	5573142	Waypoint		E	102.5	19-DEC-09 12: 33: 50
W	RB100N 4250E	09U	590365	5573145	Waypoint		E	102.5	19-DEC-09 12: 25: 10
W	RB100N 4275E	09U	590393	5573142	Waypoint		E	102.7	19-DEC-09 12: 21: 26
W	RB100N 4300E	09U	590422	5573150	Waypoint		E	102.0	19-DEC-09 12: 15: 23
W	RB100N 4325E	09U	590450	5573157	Waypoint		E	105.4	19-DEC-09 12: 03: 36
W	RB100N 4350E	09U	590457	5573184	Waypoint		E	101.8	19-DEC-09 11: 48: 37
W	RB100N 4375E	09U	590483	5573181	Waypoint		E	102.3	19-DEC-09 11: 39: 31
W	RB100N 4400E	09U	590509	5573165	Waypoint		E	103.2	19-DEC-09 11: 37: 30
W	RB100N 4425E	09U	590535	5573157	Waypoint		E	103.9	19-DEC-09 11: 33: 13
W	RB100N 4450E	09U	590561	5573144	Waypoint		E	103.9	19-DEC-09 11: 30: 05
W	RB100N 4475E	09U	590585	5573151	Waypoint		E	109.7	19-DEC-09 11: 25: 38
W	RB100N 4500E	09U	590613	5573148	Waypoint		E	106.4	19-DEC-09 11: 16: 55
W	RB100N 4525E	09U	590640	5573139	Waypoint		E	107.3	19-DEC-09 11: 10: 34
W	RB100N 4550E	09U	590667	5573134	Waypoint		E	104.2	19-DEC-09 11: 05: 32
W	RB100N 4575E	09U	590694	5573124	Waypoint		E	110.0	19-DEC-09 10: 54: 31
W	RB100N 4600E	09U	590718	5573114	Waypoint		E	109.0	19-DEC-09 10: 41: 33
W	RB100N 4625E	09U	590746	5573106	Waypoint		E	115.2	19-DEC-09 10: 26: 30
W	RB100N 4650E	09U	590767	5573101	Waypoint		E	114.5	19-DEC-09 10: 05: 27
W	RB100N 4675E	09U	590796	5573098	Waypoint		E	116.0	19-DEC-09 9: 46: 40
W	RB100N 4700E	09U	590822	5573100	Waypoint		E	115.7	18-DEC-09 3: 00: 02PM
W	RB100N 4725E	09U	590843	5573090	Waypoint		E	110.0	18-DEC-09 2: 43: 48PM
W	RB100N 4750E	09U	590873	5573069	Waypoint		E	108.0	18-DEC-09 2: 11: 10PM
W	RB100N 4775E	09U	590901	5573059	Waypoint		E	106.1	18-DEC-09 1: 50: 16PM
W	RB100N 4800E	09U	590916	5573042	Waypoint		E	109.7	18-DEC-09 1: 35: 50PM
W	RB100N 4825E	09U	590949	5573021	Waypoint		E	103.9	18-DEC-09 1: 31: 11PM
W	RB100N 4850E	09U	590948	5573009	Waypoint		E	113.6	18-DEC-09 1: 16: 38PM
W	RB100N 4875E	09U	591008	5572994	Waypoint		E	108.8	18-DEC-09 1: 07: 58PM
W	RB100N 4900E	09U	591000	5572975	Waypoint		E	102.0	18-DEC-09 1: 00: 48PM
W	RB100N 4925E	09U	591031	5572968	Waypoint		E	97.2	18-DEC-09 12: 49: 08PM
W	RB100N 4950E	09U	591047	5572950	Waypoint		E	103.5	18-DEC-09 12: 21: 47PM
W	RB100N 4975E	09U	591090	5572936	Waypoint		E	103.2	18-DEC-09 12: 03: 22PM
W	RB100N 5000E	09U	591111	5572951	Waypoint		E	103.2	18-DEC-09 11: 38: 49AM
W	RB150N 4150E	09U	590349	5573225	Waypoint		E	154.9	19-DEC-09 12: 58: 59
W	RB150N 4175E	09U	590369	5573208	Waypoint		E	153.0	19-DEC-09 13: 02: 40
W	RB150N 4200E	09U	590401	5573206	Waypoint		E	158.3	19-DEC-09 13: 06: 15
W	RB150N 4225E	09U	590430	5573210	Waypoint		E	157.5	19-DEC-09 13: 11: 26
W	RB150N 4250E	09U	590446	5573228	Waypoint		E	157.8	19-DEC-09 13: 18: 09
W	RB150N 4275E	09U	590462	5573206	Waypoint		E	156.1	19-DEC-09 13: 23: 41
W	RB150N 4300E	09U	590484	5573204	Waypoint		E	159.9	19-DEC-09 13: 39: 14
W	RB150N 4325E	09U	590515	5573200	Waypoint		E	165.0	19-DEC-09 13: 52: 27
W	RB150N 4350E	09U	590533	5573191	Waypoint		E	159.0	19-DEC-09 13: 59: 42
W	RB150N 4375E	09U	590560	5573201	Waypoint		E	158.0	19-DEC-09 14: 05: 37
W	RB150N 4400E	09U	590585	5573196	Waypoint		E	157.1	18-DEC-09 15: 08: 33
W	RB150N 4425E	09U	590611	5573195	Waypoint		E	156.1	18-DEC-09 14: 58: 42
W	RB150N 4450E	09U	590634	5573200	Waypoint		E	156.1	18-DEC-09 14: 48: 14
W	RB150N 4475E	09U	590657	5573190	Waypoint		E	154.9	18-DEC-09 14: 26: 38
W	RB150N 4500E	09U	590668	5573164	Waypoint		E	153.9	18-DEC-09 14: 15: 57

RBgri dGPS. txt

W	RB150N	4525E	09U	590697	5573168	Waypoi nt		E	157.	1	18-DEC-09	14: 06: 11
W	RB150N	4550E	09U	590717	5573155	Waypoi nt		E	162.	1	18-DEC-09	13: 45: 42
W	RB150N	4575E	09U	590734	5573141	Waypoi nt		E	157.	1	18-DEC-09	13: 35: 35
W	RB150N	4600E	09U	590755	5573129	Waypoi nt		E	156.	1	18-DEC-09	13: 25: 06
W	RB150N	4625E	09U	590786	5573125	Waypoi nt		E	156.	1	18-DEC-09	13: 11: 48
W	RB150N	4650E	09U	590814	5573132	Waypoi nt		E	163.	1	18-DEC-09	13: 06: 18
W	RB150N	4675E	09U	590843	5573129	Waypoi nt		E	159.	0	18-DEC-09	13: 04: 48
W	RB150N	4700E	09U	590869	5573135	Waypoi nt		E	158.	0	18-DEC-09	12: 54: 42
W	RB150N	4725E	09U	590896	5573116	Waypoi nt		E	156.	1	18-DEC-09	12: 49: 48
W	RB150N	4750E	09U	590920	5573110	Waypoi nt		E	156.	1	18-DEC-09	12: 47: 31
W	RB150N	4775E	09U	590937	5573086	Waypoi nt		E	159.	0	18-DEC-09	12: 37: 29
W	RB150N	4800E	09U	590960	5573082	Waypoi nt		E	153.	0	18-DEC-09	12: 27: 27
W	RB150N	4825E	09U	590981	5573066	Waypoi nt		E	153.	0	18-DEC-09	12: 23: 00
W	RB150N	4850E	09U	591006	5573056	Waypoi nt		E	156.	1	18-DEC-09	12: 16: 17
W	RB150N	4875E	09U	591030	5573047	Waypoi nt		E	159.	0	18-DEC-09	12: 08: 15
W	RB150N	4900E	09U	591046	5573027	Waypoi nt		E	153.	0	18-DEC-09	11: 59: 21
W	RB150N	4925E	09U	591067	5573020	Waypoi nt		E	156.	3	18-DEC-09	11: 48: 49
W	RB150N	4950E	09U	591096	5573001	Waypoi nt		E	158.	0	18-DEC-09	11: 45: 05
W	RB150N	4975E	09U	591119	5573001	Waypoi nt		E	154.	9	18-DEC-09	11: 38: 01
W	RB150N	5000E	09U	591130	5573000	Waypoi nt		E	153.	0	18-DEC-09	11: 27: 31
W	RB200N	4150E	09U	590376	5573290	Waypoi nt		E	204.	4	19-DEC-09	16: 06: 37
W	RB200N	4175E	09U	590404	5573292	Waypoi nt		E	203.	2	19-DEC-09	16: 01: 41
W	RB200N	4200E	09U	590433	5573291	Waypoi nt		E	203.	0	19-DEC-09	15: 57: 59
W	RB200N	4225E	09U	590454	5573284	Waypoi nt		E	203.	9	19-DEC-09	15: 54: 28
W	RB200N	4250E	09U	590475	5573268	Waypoi nt		E	202.	0	19-DEC-09	15: 50: 52
W	RB200N	4275E	09U	590493	5573245	Waypoi nt		E	195.	5	19-DEC-09	15: 43: 24
W	RB200N	4300N	09U	590515	5573232	Waypoi nt		E	205.	6	19-DEC-09	15: 33: 35
W	RB200N	4325E	09U	590543	5573246	Waypoi nt		E	202.	5	19-DEC-09	15: 22: 50
W	RB200N	4350E	09U	590559	5573225	Waypoi nt		E	203.	9	19-DEC-09	15: 05: 43
W	RB200N	4375E	09U	590577	5573239	Waypoi nt		E	212.	3	19-DEC-09	14: 44: 53
W	RB200N	4400E	09U	590595	5573222	Waypoi nt		E	201.	0	19-DEC-09	14: 30: 51

\$\$DATA\$\$ 6 -1 5 -2000 1 20/12/2009

Certerfire Minerals Inc.

Klaskino Property, Port Alice Area, BC

ENVI magnetometer survey - Dec/09

Grid #2 - IP Survey Lines 350N to 550N; Grid#1 - contour lines 100N-400N

XGD and YGD are GPS derived UTM coordinates - WGS84

LINESTN GRIDXGD YGD MAG

3 3 3 2 2 1

(T31,A8,A6,A3,T1,F10.0,F11.0,F9.0)

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588558.2	5574564.6	54700.5	150N	62E	1
588552.0	5574549.0	54714.6	150N	75E	1
588562.1	5574538.0	54737.5	150N	87E	1
588573.0	5574526.0	54731.2	150N	100E	1
588582.6	5574516.4	54747.4	150N	112E	1
588593.0	5574506.0	54785.1	150N	125E	1
588589.6	5574494.0	54955.5	150N	137E	1
588586.0	5574481.0	55086.7	150N	150E	1
588600.9	5574470.0	54855.4	150N	162E	1
588617.0	5574458.0	54813.7	150N	175E	1
588619.9	5574448.4	54796.0	150N	187E	1
588623.0	5574438.0	54808.9	150N	200E	1
588631.6	5574425.5	54818.9	150N	212E	1
588641.0	5574412.0	54862.3	150N	225E	1
588646.3	5574407.7	54895.9	150N	237E	1
588652.0	5574403.0	54947.7	150N	250E	1
588662.6	5574398.2	54911.8	150N	262E	1
588674.0	5574393.0	54951.2	150N	275E	1

588680.7	5574383.4	54920.1	150N	287E	1
588688.0	5574373.0	54922.6	150N	300E	1
588694.7	5574363.4	54771.6	150N	312E	1
588702.0	5574353.0	54937.8	150N	325E	1
588717.4	5574343.4	54930.3	150N	337E	1
588734.0	5574333.0	54874.4	150N	350E	1
588743.1	5574324.4	54850.4	150N	362E	1
588753.0	5574315.0	54833.2	150N	375E	1
588762.1	5574306.4	54842.1	150N	387E	1
588772.0	5574297.0	54872.5	150N	400E	1
588776.3	5574291.7	54915.7	150N	412E	1
588781.0	5574286.0	55009.7	150N	425E	1
588789.2	5574280.2	55111.9	150N	437E	1
588798.0	5574274.0	55286.5	150N	450E	1
588803.8	5574262.0	55197.7	150N	462E	1
588810.0	5574249.0	54675.2	150N	475E	1
588820.6	5574238.9	54845.3	150N	487E	1
588832.0	5574228.0	55008.5	150N	500E	1
588834.9	5574221.3	55022.0	150N	512E	1
588838.0	5574214.0	55541.5	150N	525E	1
588851.9	5574214.0	55471.3	150N	537E	1
588867.0	5574214.0	55767.8	150N	550E	1
588878.5	5574207.8	54832.5	150N	562E	1
588891.0	5574201.0	55284.5	150N	575E	1
588900.1	5574198.1	55205.7	150N	587E	1
588910.0	5574195.0	55473.4	150N	600E	1
588918.6	5574189.2	55434.3	150N	612E	1
588928.0	5574183.0	55095.4	150N	625E	1
588940.0	5574179.9	55080.1	150N	637E	1
588953.0	5574176.5	55631.4	150N	650E	1
588965.0	5574173.4	54788.1	150N	662E	1
588978.0	5574170.0	54920.3	150N	675E	1
588991.0	5574166.6	54914.3	150N	687E	1
589005.0	5574163.0	55344.6	150N	700E	1
589016.5	5574157.7	55227.5	150N	712E	1
589029.0	5574152.0	55076.3	150N	725E	1
589038.6	5574149.1	55003.4	150N	737E	1
589049.0	5574146.0	55129.3	150N	750E	1
589063.4	5574143.1	55224.4	150N	762E	1
589079.0	5574140.0	55428.7	150N	775E	1
589090.0	5574139.0	55438.2	150N	787E	1
589102.0	5574138.0	55235.2	150N	800E	1
589113.0	5574130.8	55314.1	150N	812E	1
589125.0	5574123.0	55454.5	150N	825E	1
589138.0	5574113.4	55658.8	150N	837E	1
589152.0	5574103.0	55867.8	150N	850E	1
588695.0	5574625.0	54689.5	200N	0E	1
588686.8	5574615.4	54672.6	200N	12E	1
588678.0	5574605.0	54681.1	200N	25E	1
588668.9	5574591.1	54791.0	200N	37E	1
588659.0	5574576.0	54805.5	200N	50E	1
588652.3	5574569.3	54787.7	200N	62E	1

588645.0	5574562.0	54778.6	200N	75E	1
588640.7	5574550.0	54792.8	200N	87E	1
588636.0	5574537.0	54815.8	200N	100E	1
588635.0	5574527.4	54783.7	200N	112E	1
588634.0	5574517.0	54766.9	200N	125E	1
588634.0	5574507.4	54790.8	200N	137E	1
588634.0	5574497.0	54807.2	200N	150E	1
588638.3	5574482.6	54792.7	200N	162E	1
588643.0	5574467.0	54817.5	200N	175E	1
588649.7	5574457.4	54833.5	200N	187E	1
588657.0	5574447.0	54802.1	200N	200E	1
588661.8	5574442.2	54804.5	200N	212E	1
588667.0	5574437.0	54808.8	200N	225E	1
588672.3	5574426.4	54809.1	200N	237E	1
588678.0	5574415.0	54815.0	200N	250E	1
588685.7	5574408.3	54792.1	200N	262E	1
588694.0	5574401.0	54784.8	200N	275E	1
588704.6	5574395.2	54780.1	200N	287E	1
588716.0	5574389.0	54749.9	200N	300E	1
588727.8	5574387.6	55027.7	200N	312E	1
588740.5	5574386.0	54889.9	200N	325E	1
588752.3	5574384.6	54843.8	200N	337E	1
588765.0	5574383.0	54816.6	200N	350E	1
588770.8	5574371.0	54810.3	200N	362E	1
588777.0	5574358.0	54826.7	200N	375E	1
588783.7	5574350.8	54800.2	200N	387E	1
588791.0	5574343.0	54788.6	200N	400E	1
588795.8	5574334.8	54815.1	200N	412E	1
588801.0	5574326.0	54826.2	200N	425E	1
588810.1	5574315.4	54832.0	200N	437E	1
588820.0	5574304.0	54863.3	200N	450E	1
588831.0	5574297.8	54867.4	200N	462E	1
588843.0	5574291.0	54866.7	200N	475E	1
588850.5	5574284.6	54899.0	200N	487E	1
588858.7	5574277.7	54958.9	200N	500E	1
588866.2	5574271.3	54961.9	200N	512E	1
588874.3	5574264.3	54925.9	200N	525E	1
588881.9	5574257.9	54952.4	200N	537E	1
588890.0	5574251.0	55021.5	200N	550E	1
588896.7	5574244.8	55000.0	200N	562E	1
588904.0	5574238.0	54931.2	200N	575E	1
588917.9	5574232.2	54951.3	200N	587E	1
588933.0	5574226.0	54944.2	200N	600E	1
588940.4	5574222.6	54912.9	200N	612E	1
588948.5	5574219.0	54964.5	200N	625E	1
588955.9	5574215.6	54967.4	200N	637E	1
588964.0	5574212.0	55157.8	200N	650E	1
588974.4	5574207.5	55094.5	200N	662E	1
588985.7	5574202.7	54941.2	200N	675E	1
588996.1	5574198.2	55036.7	200N	687E	1
589007.3	5574193.3	55094.8	200N	700E	1
589017.7	5574188.9	55234.4	200N	712E	1

589029.0	5574184.0	55145.7	200N	725E	1
589040.5	5574181.8	54887.8	200N	737E	1
589053.0	5574179.5	55076.4	200N	750E	1
589064.5	5574177.3	55461.4	200N	762E	1
589077.0	5574175.0	55152.1	200N	775E	1
589093.8	5574172.1	55100.6	200N	787E	1
589112.0	5574169.0	55225.4	200N	800E	1
589122.6	5574164.7	55124.0	200N	812E	1
589134.0	5574160.0	55237.2	200N	825E	1
589141.7	5574155.2	55301.5	200N	837E	1
589150.0	5574150.0	55229.8	200N	850E	1
588901.0	5574653.0	54657.8	250N	0E	1
588893.8	5574653.0	54671.4	250N	12E	1
588886.0	5574653.0	54680.2	250N	25E	1
588873.5	5574647.2	54725.6	250N	37E	1
588860.0	5574641.0	54704.2	250N	50E	1
588852.8	5574632.4	54674.2	250N	62E	1
588845.0	5574623.0	54605.1	250N	75E	1
588835.4	5574619.2	54676.9	250N	87E	1
588825.0	5574615.0	54688.5	250N	100E	1
588812.5	5574609.2	54794.4	250N	112E	1
588799.0	5574603.0	54807.8	250N	125E	1
588785.1	5574594.4	55168.4	250N	137E	1
588770.0	5574585.0	55480.5	250N	150E	1
588760.4	5574579.2	54668.7	250N	162E	1
588750.0	5574573.0	55129.7	250N	175E	1
588739.4	5574562.9	55103.5	250N	187E	1
588728.0	5574552.0	54932.9	250N	200E	1
588722.2	5574538.1	54681.5	250N	212E	1
588716.0	5574523.0	54690.5	250N	225E	1
588719.4	5574515.8	54803.6	250N	237E	1
588723.0	5574508.0	54787.3	250N	250E	1
588724.0	5574502.2	54734.3	250N	262E	1
588725.0	5574496.0	54718.9	250N	275E	1
588724.0	5574489.8	54773.8	250N	287E	1
588723.0	5574483.0	54787.8	250N	300E	1
588728.3	5574465.2	54814.5	250N	312E	1
588734.0	5574446.0	54779.5	250N	325E	1
588747.0	5574440.2	54792.6	250N	337E	1
588761.0	5574434.0	54808.4	250N	350E	1
588767.2	5574429.0	54784.4	250N	362E	1
588774.0	5574423.5	54765.1	250N	375E	1
588780.2	5574418.5	54810.5	250N	387E	1
588787.0	5574413.0	54782.4	250N	400E	1
588802.4	5574412.0	54791.9	250N	412E	1
588819.0	5574411.0	54793.7	250N	425E	1
588826.7	5574403.3	54813.8	250N	437E	1
588835.0	5574395.0	54793.8	250N	450E	1
588845.1	5574387.8	54798.4	250N	462E	1
588856.0	5574380.0	54811.0	250N	475E	1
588866.6	5574370.4	54821.3	250N	487E	1
588878.0	5574360.0	54828.5	250N	500E	1

588888.1	5574349.0	54809.9	250N	512E	1
588899.0	5574337.0	54820.2	250N	525E	1
588908.6	5574333.2	54836.7	250N	537E	1
588919.0	5574329.0	54860.8	250N	550E	1
588929.1	5574324.2	54825.5	250N	562E	1
588940.0	5574319.0	54838.0	250N	575E	1
588955.8	5574315.6	54827.7	250N	587E	1
588973.0	5574312.0	54845.4	250N	600E	1
588977.8	5574303.8	54887.4	250N	612E	1
588983.0	5574295.0	54896.0	250N	625E	1
588990.7	5574283.5	54938.1	250N	637E	1
588999.0	5574271.0	55015.6	250N	650E	1
589011.5	5574264.8	55025.5	250N	662E	1
589025.0	5574258.0	55313.3	250N	675E	1
589036.5	5574254.2	55197.3	250N	687E	1
589049.0	5574250.0	55057.4	250N	700E	1
589062.0	5574248.6	55135.3	250N	712E	1
589076.0	5574247.0	55489.6	250N	725E	1
589088.5	5574245.6	55420.5	250N	737E	1
589102.0	5574244.0	55044.9	250N	750E	1
589114.0	5574241.1	55045.6	250N	762E	1
589127.0	5574238.0	55589.3	250N	775E	1
589134.2	5574236.6	55425.6	250N	787E	1
589142.0	5574235.0	55264.3	250N	800E	1
589155.0	5574230.7	55229.9	250N	812E	1
589169.0	5574226.0	55353.8	250N	825E	1
589183.4	5574222.2	55161.3	250N	837E	1
589199.0	5574218.0	55164.1	250N	850E	1
589010.0	5574604.0	54981.1	300N	0E	1
588999.4	5574601.6	54975.2	300N	12E	1
588988.0	5574599.0	54960.9	300N	25E	1
588978.4	5574594.7	54913.4	300N	37E	1
588968.0	5574590.0	54900.1	300N	50E	1
588957.4	5574590.0	54910.3	300N	62E	1
588946.0	5574590.0	55034.6	300N	75E	1
588938.3	5574582.3	55021.2	300N	87E	1
588930.0	5574574.0	54807.0	300N	100E	1
588920.9	5574572.6	54659.6	300N	112E	1
588911.0	5574571.0	54773.8	300N	125E	1
588901.4	5574571.5	55260.2	300N	137E	1
588891.0	5574572.0	55061.0	300N	150E	1
588884.3	5574563.4	54900.1	300N	162E	1
588877.0	5574554.0	54980.3	300N	175E	1
588873.6	5574542.5	55108.3	300N	187E	1
588870.0	5574530.0	55112.5	300N	200E	1
588862.8	5574530.5	53563.6	300N	212E	1
588855.0	5574531.0	51370.7	300N	225E	1
588847.8	5574531.5	53858.9	300N	237E	1
588840.0	5574532.0	54485.2	300N	250E	1
588832.8	5574532.5	54675.4	300N	262E	1
588825.0	5574533.0	54871.2	300N	275E	1
588817.8	5574533.5	54900.2	300N	287E	1

588810.0	5574534.0	54848.7	300N	300E	1
588800.4	5574524.4	54841.8	300N	312E	1
588790.0	5574514.0	54794.4	300N	325E	1
588799.1	5574505.8	54877.5	300N	337E	1
588809.0	5574497.0	54808.8	300N	350E	1
588822.0	5574496.0	54251.3	300N	362E	1
588836.0	5574495.0	55054.6	300N	375E	1
588841.3	5574487.8	54612.3	300N	387E	1
588847.0	5574480.0	54633.2	300N	400E	1
588849.9	5574468.0	54538.3	300N	412E	1
588853.0	5574455.0	54664.7	300N	425E	1
588864.0	5574446.8	54737.7	300N	437E	1
588876.0	5574438.0	54820.2	300N	450E	1
588885.1	5574430.8	54776.3	300N	462E	1
588895.0	5574423.0	54813.8	300N	475E	1
588902.7	5574414.4	54818.5	300N	487E	1
588911.0	5574405.0	54829.4	300N	500E	1
588921.1	5574396.4	54877.1	300N	512E	1
588932.0	5574387.0	54864.1	300N	525E	1
588942.6	5574383.2	54902.0	300N	537E	1
588954.0	5574379.0	54882.1	300N	550E	1
588964.1	5574373.2	54861.1	300N	562E	1
588975.0	5574367.0	54847.2	300N	575E	1
588988.4	5574360.8	54825.7	300N	587E	1
589003.0	5574354.0	54833.6	300N	600E	1
589009.7	5574345.4	54891.4	300N	612E	1
589017.0	5574336.0	54876.0	300N	625E	1
589026.6	5574329.3	54905.2	300N	637E	1
589037.0	5574322.0	54923.9	300N	650E	1
589043.2	5574317.7	54948.7	300N	662E	1
589050.0	5574313.0	54981.4	300N	675E	1
589061.0	5574314.0	54988.0	300N	687E	1
589073.0	5574315.0	54980.6	300N	700E	1
589085.0	5574311.2	55112.7	300N	712E	1
589098.0	5574307.0	55139.1	300N	725E	1
589102.1	5574311.8	55098.5	300N	737E	1
589106.5	5574317.0	55086.2	300N	750E	1
589110.6	5574321.8	55045.8	300N	762E	1
589115.0	5574327.0	55069.0	300N	775E	1
589132.5	5574322.4	55148.0	300N	787E	1
589151.5	5574317.5	55044.1	300N	800E	1
589169.0	5574312.9	55127.2	300N	812E	1
589188.0	5574308.0	55018.3	300N	825E	1
589199.5	5574301.3	55110.6	300N	837E	1
589212.0	5574294.0	55051.3	300N	850E	1
589299.0	5574830.0	54679.8	350N	100W	1
589307.3	5574819.6	54670.2	350N	87W	1
589315.0	5574810.0	54683.1	350N	75W	1
589317.6	5574797.5	54626.6	350N	62W	1
589320.0	5574786.0	54607.4	350N	50W	1
589307.5	5574769.4	54537.3	350N	37W	1
589296.0	5574754.0	54556.7	350N	25W	1

589285.1	5574734.2	54455.5	350N	12W	1
589275.0	5574716.0	54504.9	350N	0E	1
589259.6	5574705.0	54524.1	350N	12E	1
589243.0	5574693.0	54704.2	350N	25E	1
589228.6	5574682.0	54850.1	350N	37E	1
589213.0	5574670.0	54763.3	350N	50E	1
589025.0	5574526.0	54923.8	350N	300E	1
589016.4	5574519.8	55705.6	350N	312E	1
589007.0	5574513.0	56369.6	350N	325E	1
588996.4	5574506.8	56777.3	350N	337E	1
588985.0	5574500.0	50121.1	350N	350E	1
588965.0	5574491.0	53749.3	350N	375E	1
588968.8	5574479.0	54219.2	350N	387E	1
588973.0	5574466.0	55283.8	350N	400E	1
588979.7	5574457.8	53626.2	350N	412E	1
588987.0	5574449.0	59048.2	350N	425E	1
588995.2	5574440.8	56180.0	350N	437E	1
589004.0	5574432.0	55529.6	350N	450E	1
589013.1	5574424.3	55303.6	350N	462E	1
589023.0	5574416.0	55136.5	350N	475E	1
589034.0	5574417.4	55114.6	350N	487E	1
589046.0	5574419.0	55140.5	350N	500E	1
589057.5	5574415.2	55339.7	350N	512E	1
589070.0	5574411.0	55484.0	350N	525E	1
589080.6	5574412.0	55618.0	350N	537E	1
589092.0	5574413.0	55206.3	350N	550E	1
589104.5	5574410.6	55208.1	350N	562E	1
589118.0	5574408.0	55193.6	350N	575E	1
589130.5	5574409.4	55184.5	350N	587E	1
589144.0	5574411.0	55187.7	350N	600E	1
589154.1	5574409.1	55195.4	350N	612E	1
589165.0	5574407.0	55189.2	350N	625E	1
589175.6	5574404.6	55176.2	350N	637E	1
589440.0	5574827.0	54614.4	400N	100E	1
589437.1	5574819.3	54575.5	400N	112E	1
589434.0	5574811.0	54551.8	400N	125E	1
589434.7	5574802.1	54577.8	400N	137E	1
589435.5	5574792.5	54559.3	400N	150E	1
589436.2	5574783.6	54538.3	400N	162E	1
589437.0	5574774.0	54583.4	400N	175E	1
589432.7	5574760.6	54573.6	400N	187E	1
589428.0	5574746.0	54584.3	400N	200E	1
589419.8	5574734.0	54599.4	400N	212E	1
589411.0	5574721.0	54633.7	400N	225E	1
589397.6	5574705.2	54674.4	400N	237E	1
589383.0	5574688.0	54689.9	400N	250E	1
589378.7	5574677.4	54733.6	400N	262E	1
589374.0	5574666.0	54759.9	400N	275E	1
589364.9	5574650.6	54762.2	400N	287E	1
589355.0	5574634.0	54892.7	400N	300E	1
589342.5	5574626.1	55053.1	400N	312E	1
589329.0	5574617.5	55050.9	400N	325E	1

589316.5	5574609.6	55042.8	400N	337E	1
589303.0	5574601.0	55006.5	400N	350E	1
589291.0	5574592.4	55013.1	400N	362E	1
589278.0	5574583.0	55018.6	400N	375E	1
589269.8	5574572.4	55052.8	400N	387E	1
589261.0	5574561.0	55168.8	400N	400E	1
589254.3	5574548.5	55051.8	400N	412E	1
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589236.9	5574532.6	55050.4	400N	437E	1
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589203.0	5574502.5	55114.8	400N	487E	1
589202.0	5574490.0	55082.9	400N	500E	1
589212.1	5574483.3	55072.1	400N	512E	1
589223.0	5574476.0	55100.3	400N	525E	1
589235.5	5574469.8	55102.9	400N	537E	1
589249.0	5574463.0	55119.0	400N	550E	1
589264.8	5574458.7	55263.6	400N	562E	1
589282.0	5574454.0	55551.5	400N	575E	1
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589299.0	5574439.0	55381.3	400N	600E	1
589308.1	5574429.9	55348.9	400N	612E	1
589318.0	5574420.0	55581.9	400N	625E	1
589324.2	5574415.2	55461.4	400N	637E	1
589331.0	5574410.0	55504.7	400N	650E	1
589344.0	5574410.5	55501.0	400N	662E	1
589358.0	5574411.0	55326.8	400N	675E	1
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589390.0	5574421.0	55467.1	400N	700E	1

\$\$DATA\$\$ 6 -1 6 -2000 1 23/12/2009

Centerfire Minerals Inc.

Klaskino Property, Port Alice Area, BC

ENVI Magnetometer Survey - Dec/09

Grid #3 - Red Bluff Grid

geochem. lines at approx. 100m, 150m, and 200m elevations

XGD and YGD are GPS derived UTM coordinates - WGS84

LINESTN GRIDXGD YGD MAG

3 3 3 2 2 1

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590378.4 5573143.6 54269.2 100N 4262E 3

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590495.5 5573173.3 54282.4 100N 4387E 3

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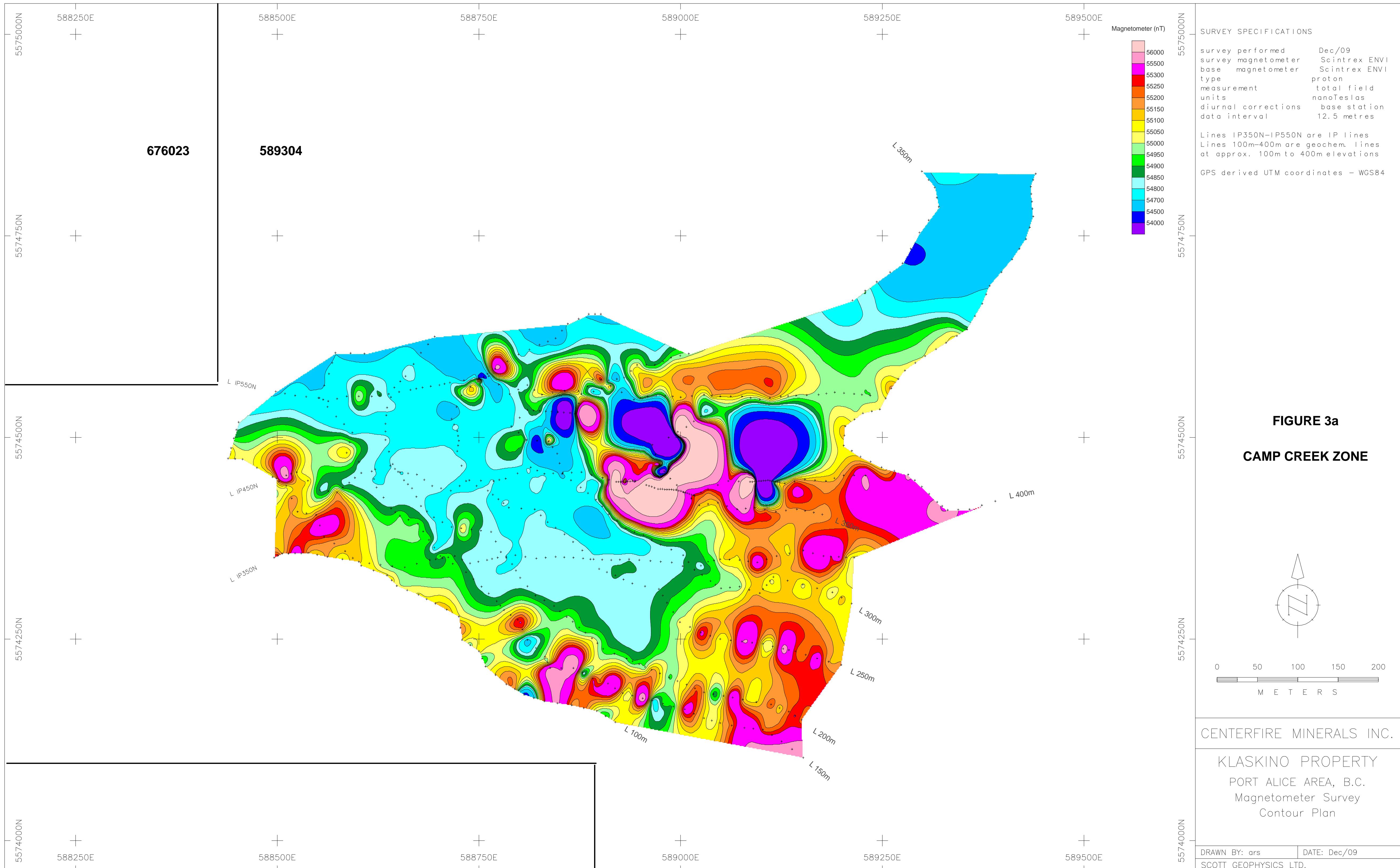
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590657.0 5573190.0 54361.3 150N 4475E 3  
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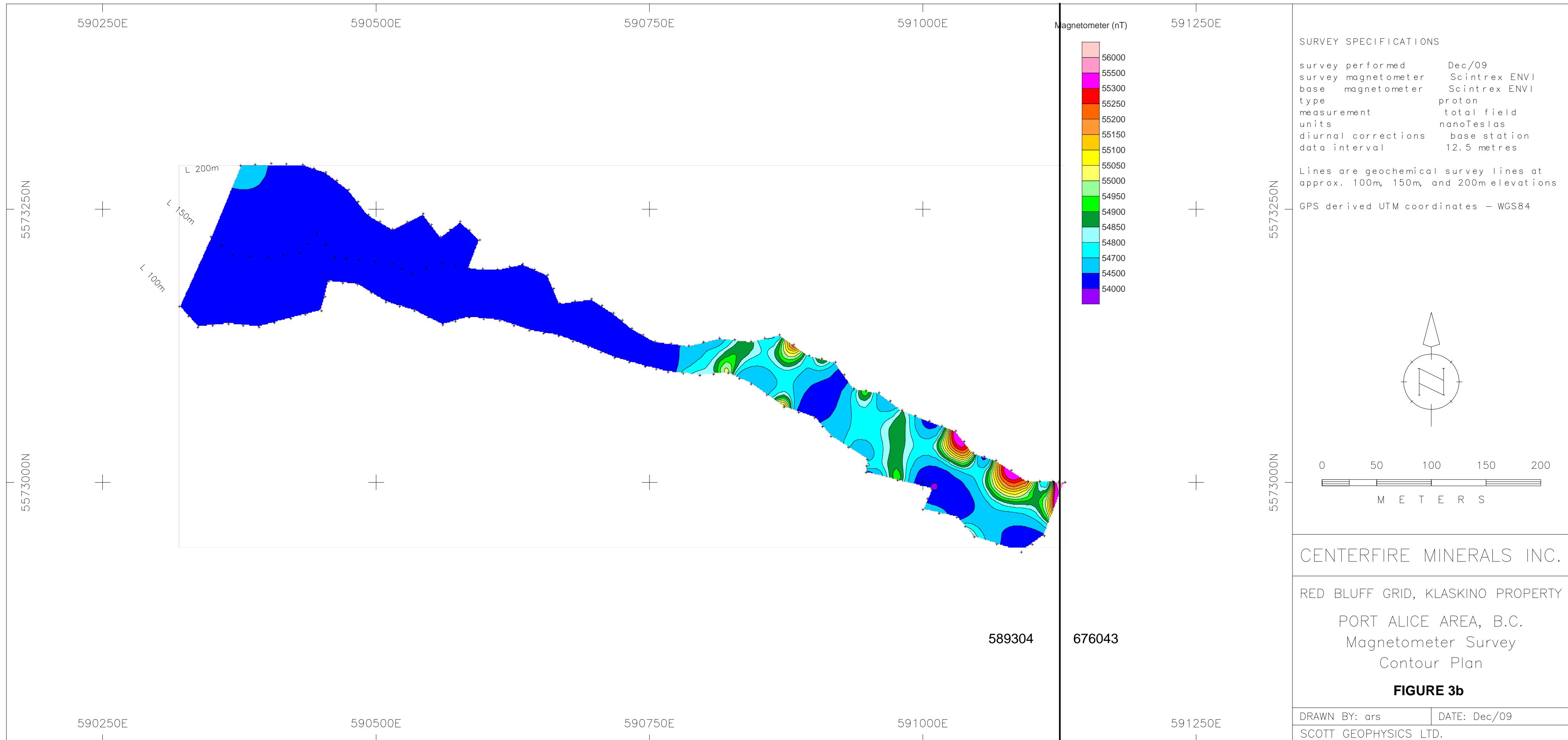
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590799.4 5573128.4 54594.3 150N 4637E 3  
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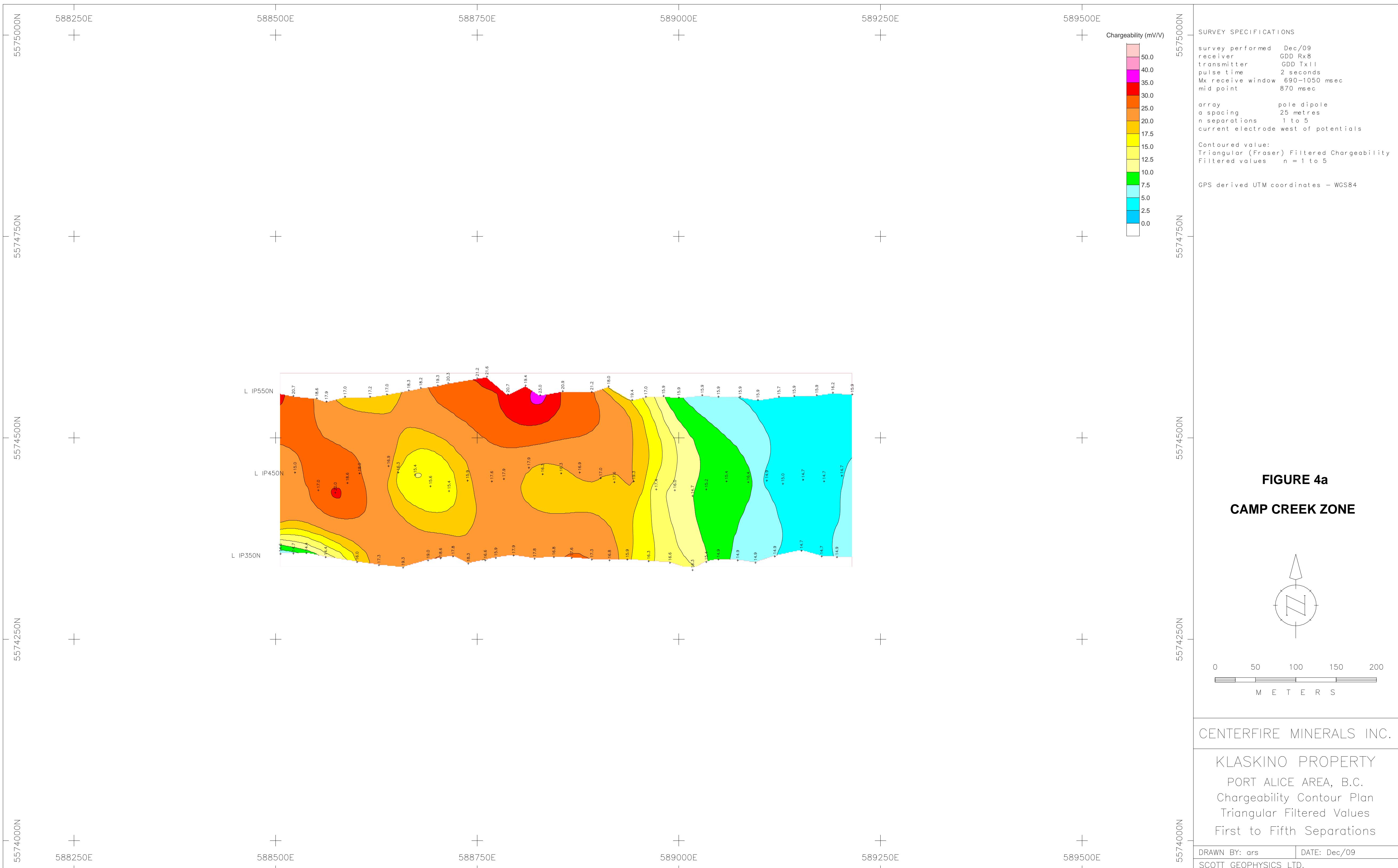
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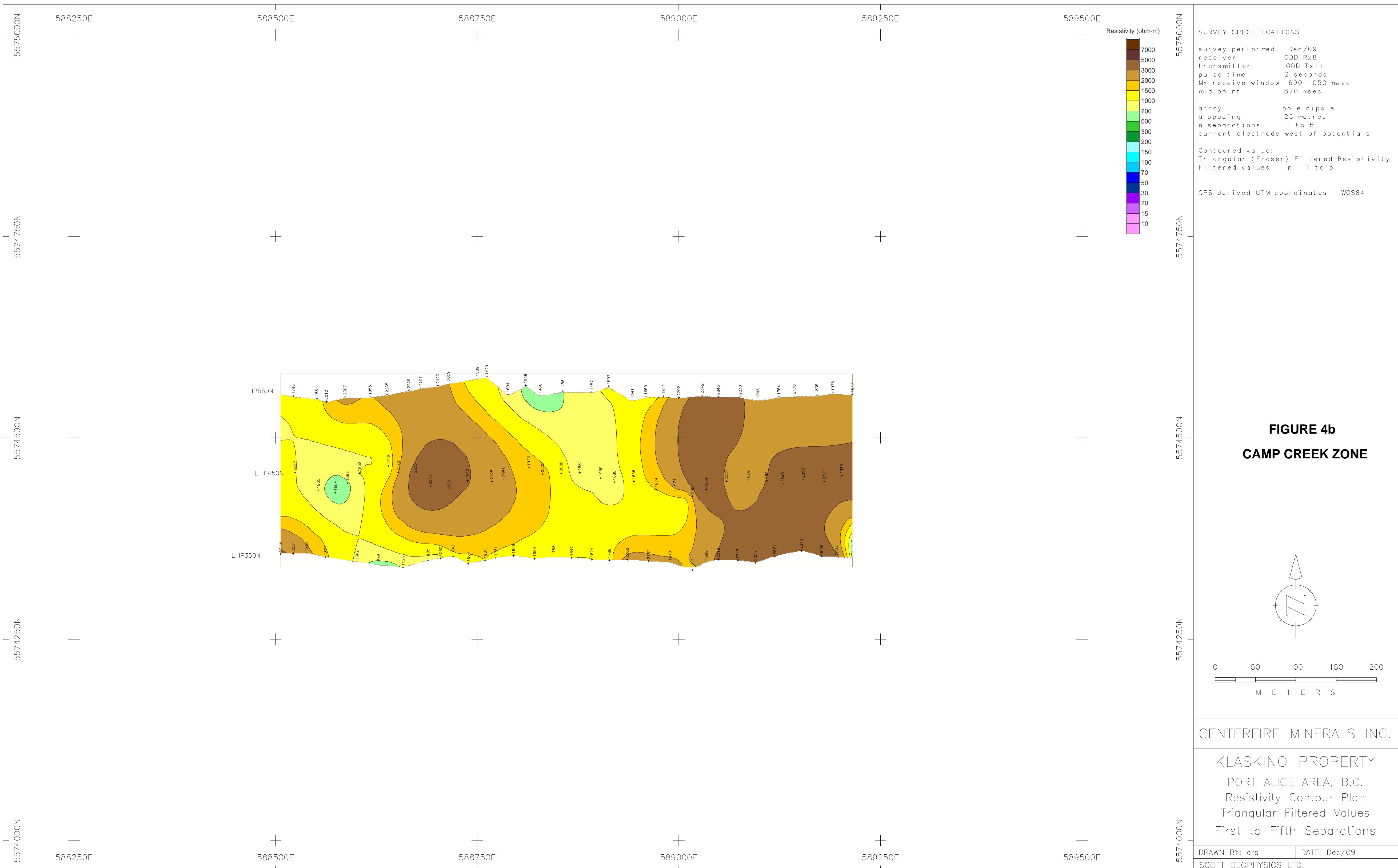
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LINDA CARON.  
KLASKINO PROPERTY - PORT ALICE AREA, BC  
Mx chargeability: 690-1050 msec after shutoff  
Fraser combination of separations 1 to 5  
XGD and YGD are GPS derived UTM coordinates - WGS84  
LINESTN XGD YGD FMX FRHO  
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589098.0 5574547.0 4.5 2477.2 IP550N 650E  
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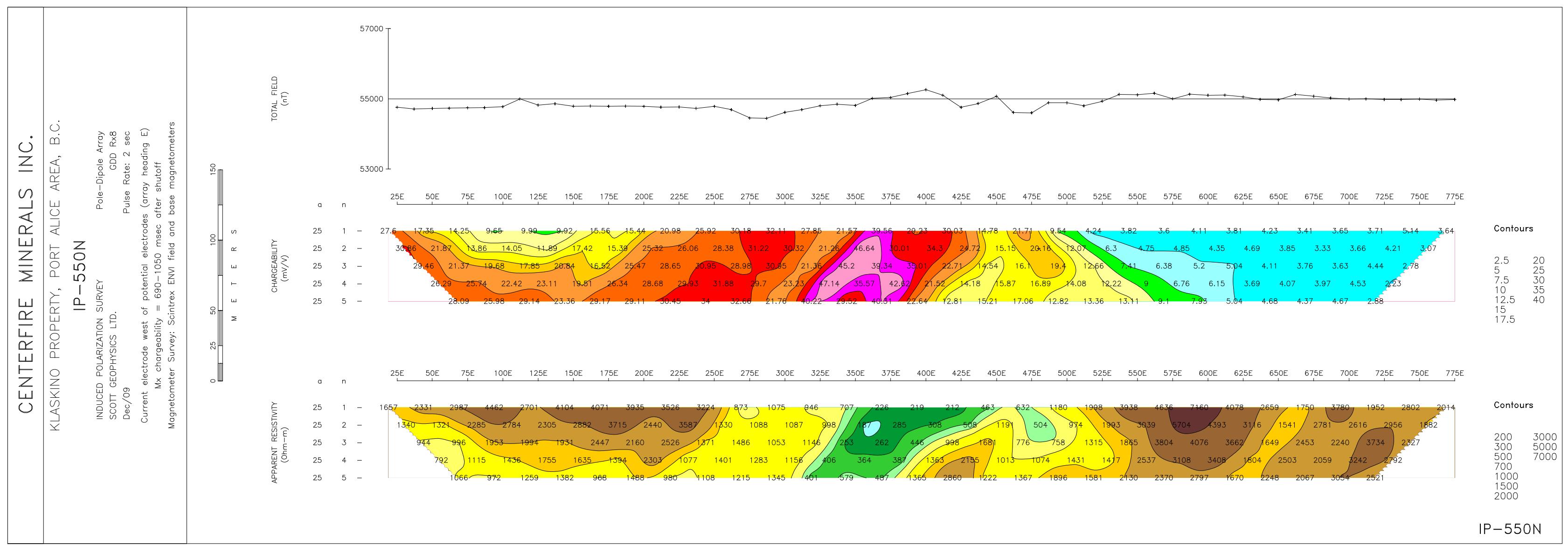




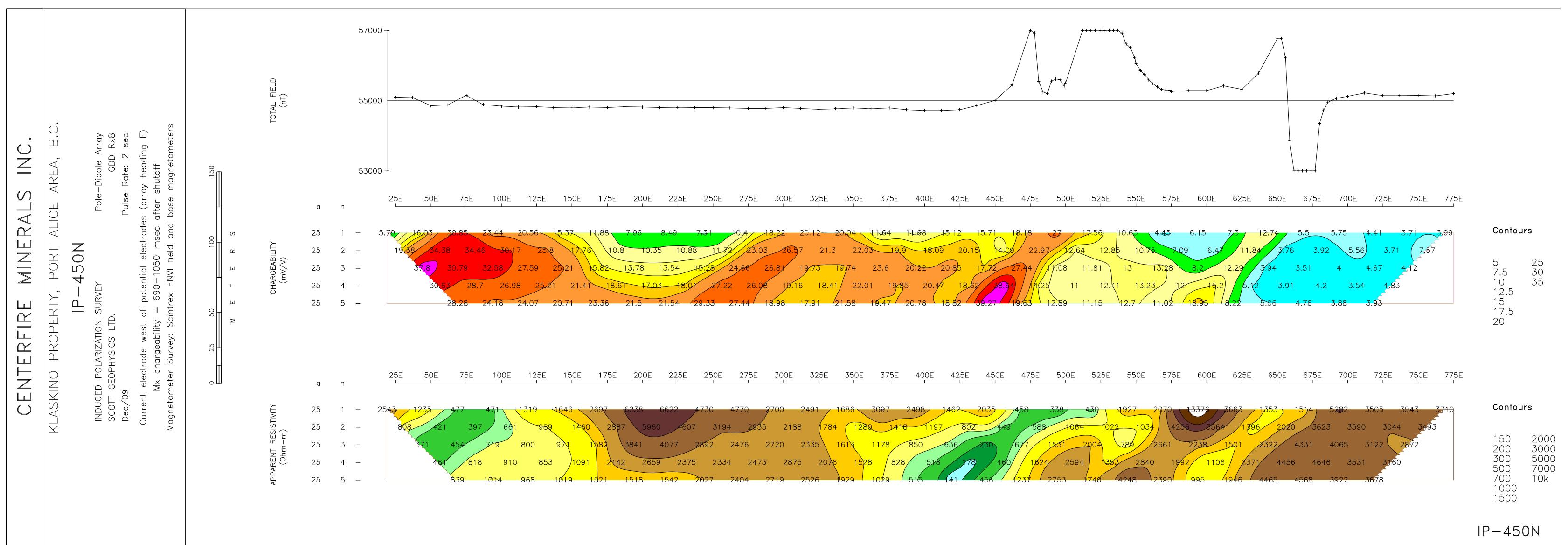




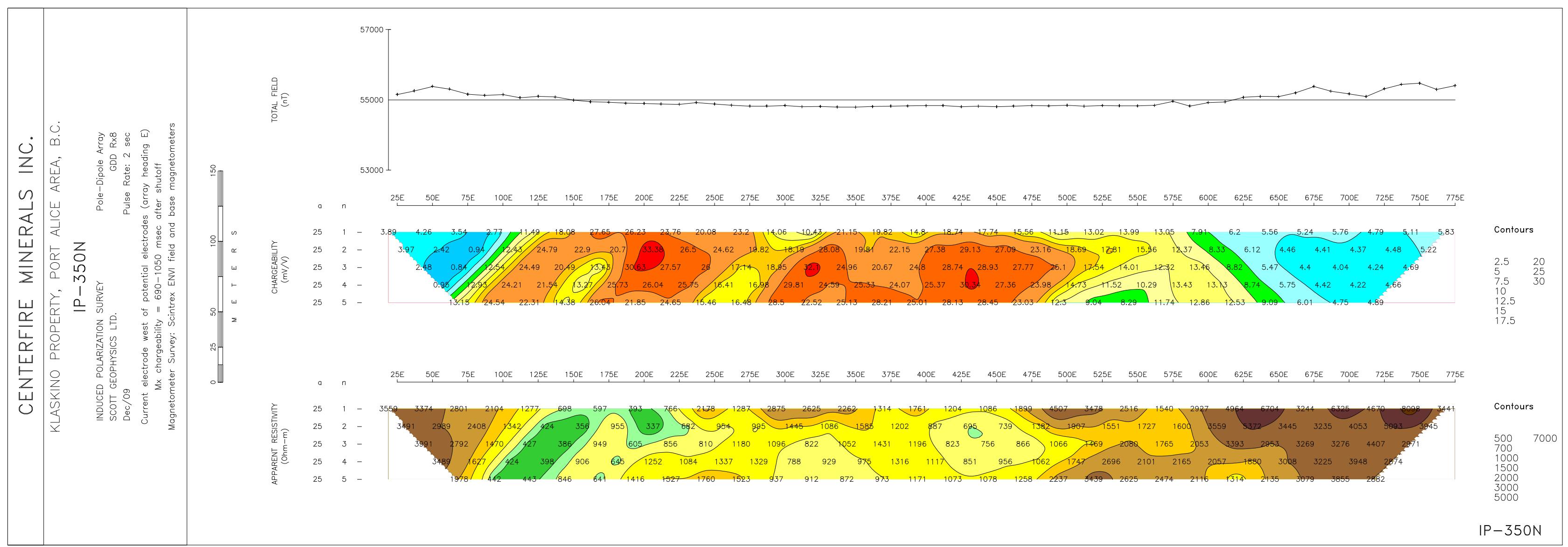
**FIGURE 4c**



IP-550N



IP-450N



IP-350N