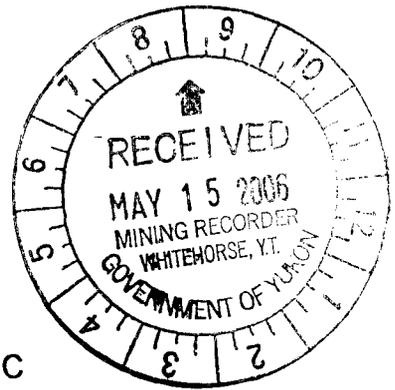


094691



**HORIZONTAL LOOP ELECTROMAGNETIC
SURVEY ON THE ULTRA PROPERTY,
HAINES JUNCTION AREA, YUKON TERRITORY**

For work done Oct 11 to 29, 2005

On Quartz claims

YC19102, YC19104	ULTRA 41,43
YC19398 - YC19401	ULTRA 73 - 76
YC40233 - YC40238	ULT 177 - 182
YC40242, YC40244	ULT 186, 188

By

Dave Hildes, Ph. D., P.Geo.
Aurora Geosciences Ltd
108 Gold Road, Whitehorse, Yukon, Y1A 2W3

For

Klondike Star Mineral Corporation
Box 20116
Whitehorse, YT Y1A 7A2

Location: 60° 55' N 138° 18' W
NTS: 115 B/16
Mining District: Whitehorse
Date: May 11, 2006

Costs associated with this report have been
approved in the amount of \$ 22,000.00
for assessment credit under Certificate of Work
No. QW27848

A. Sauterwick
Mining Recorder
Whitehorse Mining District

SUMMARY

Klondike Star Mineral Corporation contracted Aurora Geosciences Ltd. to conduct a moving horizontal loop electromagnetic (HLEM) survey on the Lake and Redball grids, Ultra Property. The program involved line cutting (from Oct 11 to 17, 2005) and the HLEM survey (Oct 23 to 29, 2005) to locate volcanogenic massive sulphide mineralization. As well, magnetic data collected by Tom Morgan was processed and is included in this report.

The geophysical surveys identified a NW-SE conductor, 900 metres in strike, coincident with a linear magnetic high on the Lake grid. This anomaly is open to both the SE and NW with conductances as high as 2.16 S. The HLEM survey also identified a conductor on the Redball grid, approximately 150 metres in strike-length with a conductance of 1.4 S. These conductances are at the low, but observed, range of Zn-rich VMS deposits.

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1.0 INTRODUCTION

This report describes a horizontal loop electromagnetic (HLEM) survey conducted on the Ultra Property by Aurora Geosciences Ltd. and a total magnetic field survey conducted by one of the property owners, Tom Morgan, and processed by Aurora Geosciences Ltd. The surveys were conducted to locate the source of volcanogenic massive sulphide type mineralization seen in boulders on Cub Creek near the junction with Telluride Creek.

The property has a long history of exploration dating back to the early 1900's when placer miners first explored and mined in the Telluride Creek area. The placer miners discovered large (approximately 19 ton) boulders of bedded massive sulphide mineralization in Cub Creek and numerous companies and individuals have conducted exploration programs, including drilling, in the search for the source of these boulders. Re-sampling to these boulders by the current property owners in 2002 returned values up to 2.1% Cu, 5.1% Zn and 24.5 g/t Ag.

Klondike Star Mineral Corporation contracted Aurora Geosciences Ltd. to conduct line cutting and HLEM surveys on the Lake grid (8.1 line-km) and the Redball grid (6.7 line-km). The Lake grid had been previously located and picketed by one of the property owners, Tom Morgan, who also collected total magnetic field data over the Lake grid (15.9 line-km). A complete survey log appears in Appendix II.

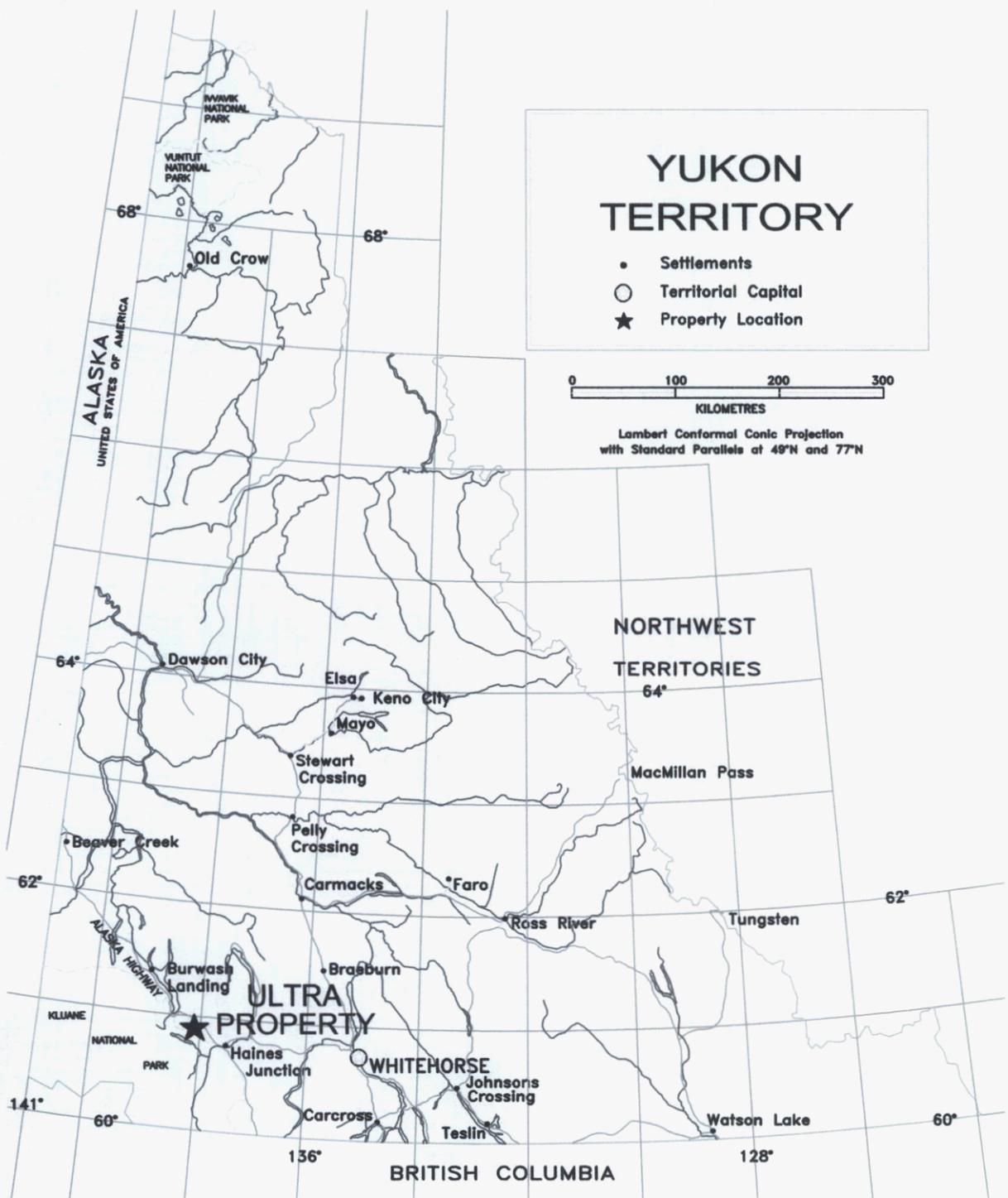
The entire property measures 24 km northwest-southeast by up to 8.5 km northeast-southwest. The 2005 geophysics program covered a small portion in the centre of the property to the south and north of the showing of massive sulphide boulders.

2.0 LOCATION AND ACCESS

The Ultra Property is located in the Kluane Mountains near Telluride Creek, 42 km northwest of Haines Junction, on NTS map sheet 115 B/16. It is in the Whitehorse Mining District and is centered at approximately 60° 55' N, 138° 18' W (Figures 1 and 2). The property is 10 km west of the Alaska Highway and is accessible by a rough gravel road, which intersects the highway near Boutellier Summit. Access to the northern end of the property is by a gravel road that runs along Boutellier Creek. Access to the central part of the property is by a partially grown-over 4x4 access road that leads to Telluride Creek. For the 2005 program, access was by helicopter (Trans North Turbo Air) from Haines Junction.

3.0 CLAIM STATUS

The Ultra Property consists of 404 Quartz Claims staked in accordance with the Yukon Quartz Mining Act in the Whitehorse Mining District (Figure 2). Data for the claims on which the 2005 survey were conducted is as follows:



YUKON TERRITORY

- Settlements
- Territorial Capital
- ★ Property Location



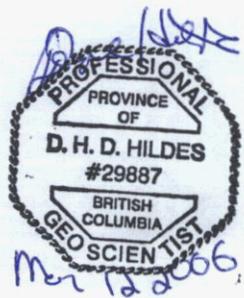
Lambert Conformal Conic Projection
with Standard Parallels at 49°N and 77°N

ALASKA
UNITED STATES OF AMERICA

NORTHWEST
TERRITORIES

BRITISH COLUMBIA

ULTRA PROPERTY



KLONDIKE STAR MINERAL CORP.	ULTRA PROPERTY	
PROPERTY LOCATION	MINING DISTRICT: WHITEHORSE	
	NTS: 115B16	SCALE 1: 6 000 000
<i>Aurora Geosciences Ltd.</i>	DRAWN BY: DKT	
	DATE: NOV. 16 2005	FIGURE: 1

Grant Number	Claim Name	Claim Number	Claim Owner	Recording Date	Claim Expiry
YC19102	ULTRA	41	Vern Matkovich – 100%.	2/12/2001	2/12/2015
YC19104	ULTRA	43	Vern Matkovich – 100%.	2/12/2001	2/12/2015
YC19398	ULTRA	73	Tom Morgan – 100%.	10/22/2001	10/22/2014
YC19399	ULTRA	74	Tom Morgan – 100%.	10/22/2001	10/22/2014
YC19400	ULTRA	75	Tom Morgan – 100%.	10/22/2001	10/22/2014
YC19401	ULTRA	76	Tom Morgan – 100%.	10/22/2001	10/22/2013
YC40233-38	ULT	177-182	Klondike Gold Corp. – 100%.	9/13/2005	12/8/2010
YC40242	ULT	186	Klondike Gold Corp. – 100%.	9/13/2005	12/8/2010
YC40244	ULT	188	Klondike Gold Corp. – 100%.	9/13/2005	12/8/2010

4.0 PHYSIOGRAPHY AND CLIMATE

The project area is in the Shawkak Valley and Kluane Mountains. The property covers the gentle, rising slope on the east side of the mountain range and continues westward into the steep, craggy mountain peaks of the front ranges. Elevations on the property range from 1000 m to 2600 m above sea level. At lower elevations are scattered black spruce and alder thickets. The alpine areas are generally devoid of vegetation and dominated by barren talus slopes, rocky cliffs and mountain peaks.

The area is approximately 150 km from the coast and is affected by coastal weather systems. It receives abundant moisture year round, especially in the mountains, where local weather systems often accumulate. Snow generally begins accumulating in the high alpine areas in late August or early September and begins receding in late April to early May. The snow is generally melted back sufficiently by late May to allow for fieldwork at lower elevations. Summer temperatures range up to 30° Celsius and winter temperatures down to -50° Celsius.

5.0 PROPERTY HISTORY

The area was first explored and mined for placer gold on Telluride Creek in 1904. The placer miners discovered large (approximately 19 ton) boulders of massive sulphide float in the creek and that eventually led to the first lode staking in 1955 by the Gaymont Prospectors Syndicate which included Teck Exploration Company Limited and Iso Uranium. In 1956, they conducted a resistivity survey and drilled 3 shallow holes (total 107.9 m), which failed to reach bedrock. They later allowed the property lapse.

In 1961, the Glacier claims were staked by Canadian Exploration Ltd. They conducted a Turam electromagnetic survey later that year. The survey identified a number of conductors ranging from weak to strong and drilled three rotary holes to test two of the conductors in 1962 (approximately 122 m). The drilling failed to locate the source of the massive sulphide boulders and the property was allowed to lapse.

In 1964, the Meridian Syndicate re-staked the property as the Jasper claims but conducted no work and the claims lapsed a year later.

In 1965, the Cub claims were staked by Coranex Ltd. Coranex conducted a Turam electromagnetic survey, soil sampling and geological mapping in 1965, 1966 and 1967. In 1970, Atlas Exploration Ltd optioned the property and conducted a limited electromagnetic surveying, soil sampling, geological mapping and drilled 216 metres in 3 holes. One of the holes was lost in overburden, while the other two holes intersected sandstone with coal seams of the Amphitheatre Formation. The sandstone contained fairly abundant marcasite, which, along with the coal was believed to be the cause of the Turam EM conductors.

Also in 1965, S. J. Hill staked the Jennifer claims in the headwaters of Silver Creek and conducted geological mapping and prospecting. He discovered copper, gold and silver mineralization in a "spectacular" zone of quartz-stockwork veining in highly altered acidic subvolcanic rocks. Mineralization included chalcocite, chalcopyrite, tetrahedrite, pyrite, galena and sphalerite. Selected samples of the stockwork mineralization returned up to 1,351 g/t silver, 7.82 g/t gold and 22.5% copper. The property was later allowed to lapse and in 1988 was restaked as the Kincora claims by prospector R Stack. Mr Stack conducted a small trenching and sampling program on the property in 1989, which returned values up to 685 g/t silver, and 16% copper on selective grab samples. The property was later allowed to lapse.

Exploration throughout this time in the Cub Creek area focused on determining the source of the volcanogenic massive sulphide mineralization found in the float train. During this search, magmatic nickel-copper-platinum group metals were discovered at the Frohberg showing in the steep mountain at the headwaters of Cub Creek.

In 2000, Tom Morgan and Vern Matkovitch re-staked the Cub Creek showing and the Frohberg showing and have added to the land package in each of 2002, 2003 and 2004. They re-sampled the massive sulphide boulders in 2002 and obtained values up to 2.1% Cu, 5.1% Zn and 24.5 g/t Ag. They have also conducted horizontal loop electromagnetic, VLF-EM and magnetometer surveys in the area of the boulders to search for the source. These surveys identified three conductors and a magnetic low anomaly proximal to the boulder occurrences. In 2003 Tom Morgan conducted a blast trenching program on the Frohberg Showing, which returned 5.54 g/t Pt, 13.46 g/t Pd, 4.07 % Cu and 1.73% Ni.

In 2004, misters Morgan and Matkovitch optioned the property to Klondike Gold Corporation. Later that year, Klondike Gold Corporation added to the land package in 2004 and conducted airborne total magnetic field and electromagnetic surveys using the McPhar Hummingbird system and a geological mapping program.

6.0 2005 GRIDS

The grids for the 2005 surveys are shown in Figure 3. Stations were marked with tagged half length lathe. Station spacing was 25 m, tight chained, not slope corrected. Stations at line-ends and 200 m intervals were recorded with a non-differential handheld GPS in UTM Zone 7N coordinates using the NAD83 datum, other stations were interpolated from these. In a few instances, an acceptable GPS location was not possible at a line-end and extrapolation was used to determine station coordinates in these cases. The end-points for the infill lines on the Lake grid (used for the magnetic survey) were also determined by interpolation.

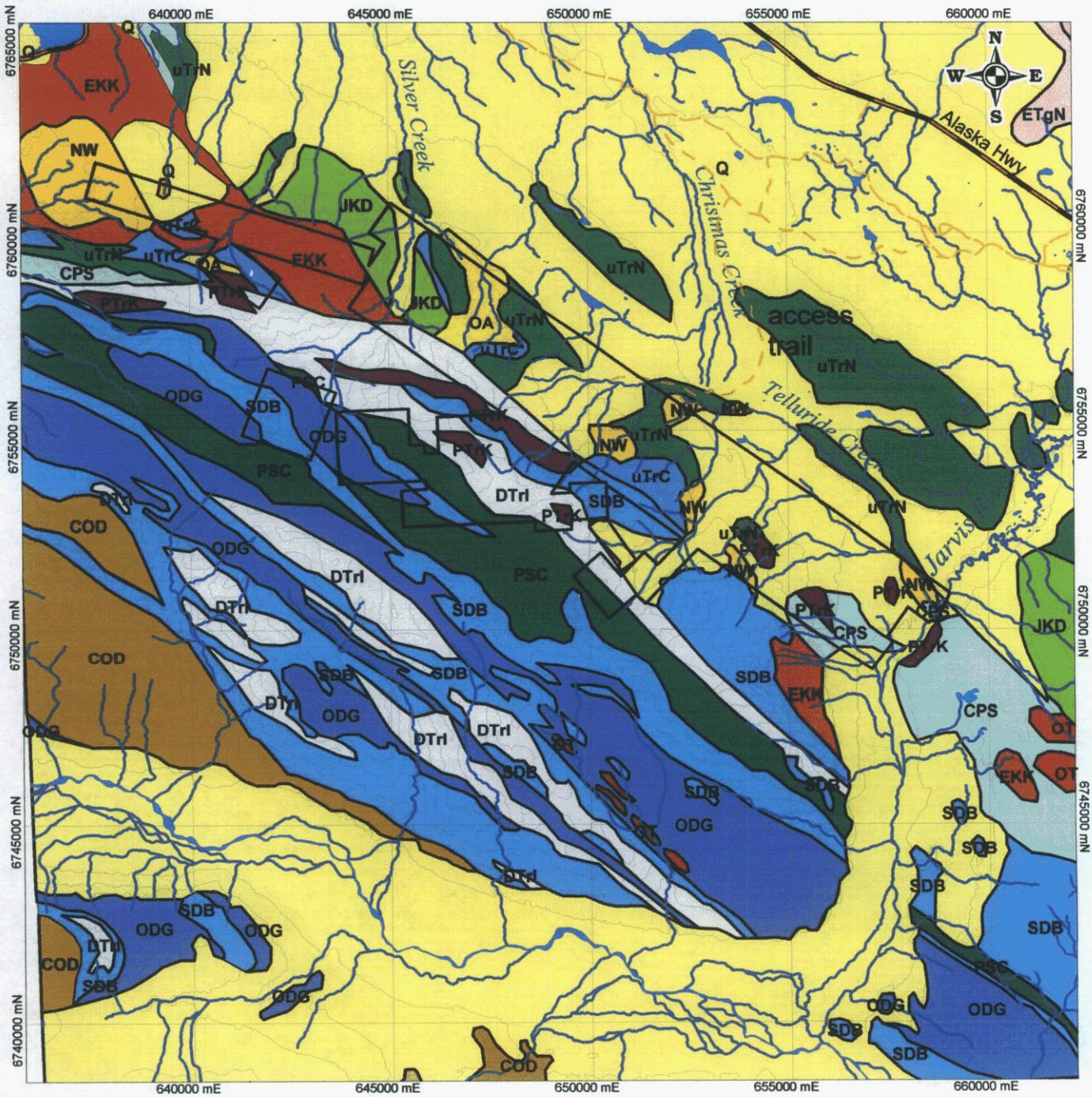
The Lake grid is 1000 m X 800 m with lines trending 035, centered at 650530E, 6757740N (NAD83, UTM Zone 7N). The HLEM survey was conducted on lines spaced 100 m (with L9950 N as an additional infill) while the total magnetic field survey was conducted on 50 m spaced lines. A shorter coil spacing (50 m) for the HLEM survey was used in addition to 100 m on L9300 N.

The Redball grid is 500 m X 600 m with lines trending 041, centered at 650405E, 6755265N (NAD83, UTM Zone 7N). The HLEM survey was conducted on lines spaced 50 m. A longer coil spacing (150 m) for the HLEM survey was used in addition to 100 m on L10100 N. No magnetic survey was done on the Redball grid in 2005, but the 2004 airborne survey covered the area at 100 m line-spacing. In addition, the Redball grid overlaps the Ultra grid, surveyed with HLEM and total magnetic field in 2002.

7.0 REGIONAL GEOLOGY

The Ultra Property occurs in the Insular Super Terrane, which is divided into Alexander Terrane, to the west and Wrangell Terrane to the east (Figure 4). In the region, Alexander Terrane is comprised of Silurian to Devonian Bullion Suite massive, well-bedded, light gray limestone or marble, argillite and phyllite (**SDB**). These are overlain by Devonian to Upper Triassic Icefield Group limestone, argillite, calcareous siltstone-sandstone and creamy-white gypsum and anhydrite (**DTrI**). These rocks are intruded by the Devonian Steel Creek Suite, which is comprised of massive, medium- to coarse-grained, rusty green to green hornblende pyroxene gabbro sills and dykes with rare pods of peridotite (**PSC**) (Gordey, 1999).

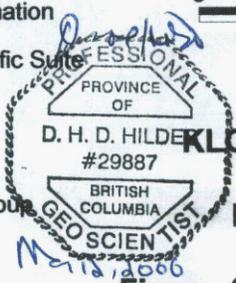
The Wrangell Terrane is comprised of Upper Triassic Chitison Group thin-bedded, light to dark gray limestone, dark gray argillite and white to creamy-white anhydrite (**uTrC**). These rocks are overlain and in places interbedded with Upper Triassic Nicolai Group amygdaloidal basaltic and andesitic flows with local tuff, breccia, shale and thin-bedded bioclastic limestone (**uTrN**). Both of these units are intruded by late Triassic Kluane Ultramafic Suite intrusions (**PTrK**). The Kluane Ultramafic Suite is comprised of medium green to green, massive, medium-grained, pyroxene gabbro and dark-green to black peridotite and rare dunite. The Kluane Ultramafic Suite intrusives may be the



- | | |
|----------------------------------|-------------------------------------|
| Q Quaternary | uTrC Chitistone Formation |
| NW Wrangell Lavas | PTrK Kluane Ultramafic Suite |
| OT Tkope Suite | CPS Skolai Group |
| OA Amphitheatre Formation | DTri Icefield Suite |
| ETgN Nisling Range Suite | PSC Steel Creek Group |
| EKK Kluane Ranges Suite | SDB Bullion Group |
| JKD Dezadeash Group | ODG Goatherd Group |
| uTrN Nocolai Group | COD Donjek Group |

scale 1:150,000
 0 2.5 5 10
 kilometres

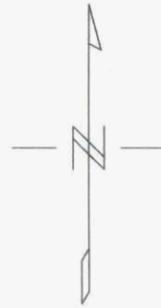
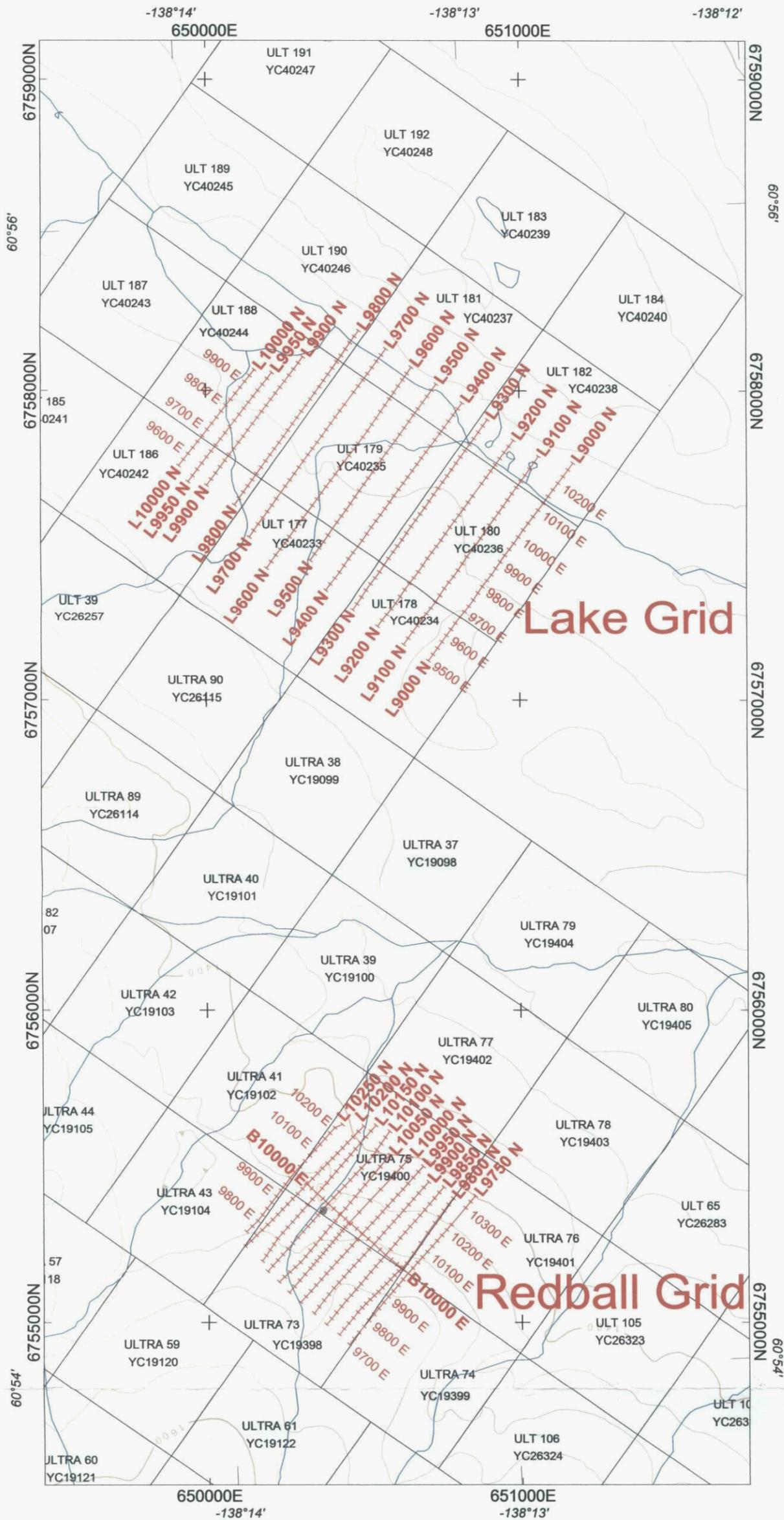
NAD 83 UTM, zone 7



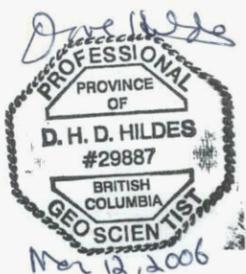
KLONDIKE STAR MINERAL CORP.
ULTRA PROPERTY
REGIONAL GEOLOGY MAP

Figure 4 **MARCH 13, 2006**
Whitehorse Mining District NTS 115B/16

AURORA GEOSCIENCES LTD



Scale 1:15000
 250 0 250
 metres
 NAD83 / UTM zone 7N
 Elevations in MSL
 Contour interval = 40 m



KLONDIKE STAR MINERAL CORP.

**ULTRA PROPERTY
 2005 GEOPHYSICAL SURVEY
 FIGURE 3 - GRID LOCATION MAP**

NTS: 115B16
 Datum: NAD83
 Date: Mar 01 2006
 Date Surveyed: Oct 23 - 29, 2005

Mining District: Whitehorse
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Drawn by: DJS

AURORA GEOSCIENCES LTD.

source for the Nicolai Group volcanic rocks. These rocks are overlain by Upper Jurassic to Lower Cretaceous Dezadeash Group clastic sediments (JKD), by Paleocene to Oligocene Amphitheatre Group sediments (OA) and intruded and overlain by Miocene to Pliocene Wrangell Lavas (NW).

The Dezadeash Group consists of a succession of dark buff-gray lithic greywacke, sandstone, siltstone, shale, argillite, phyllite and conglomerate. The Amphitheatre Group consists of yellow-buff sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone, minor carbonaceous shale and thin lignite coal. The Wrangell Lavas consist of rusty, red-brown basaltic andesite flows, interbedded with felsic tuff. All of these rocks are in turn overlain by Quaternary unconsolidated glacial, glaciofluvial and glaciolacustrine deposits (Q).

The major structural features of the area are the Denali Fault and the Duke River Fault. The Denali Fault is a large fault zone that defines the Shakwak Valley and is on the east side of the property. It is a strike-slip fault with a dextral sense of motion. The Duke River Fault occurs west of the property, near the Kluane Park boundary.

The Kluane Ultramafic Suite hosts a number of magmatic nickel-copper-platinum group mineral occurrences in Wrangell Terrane from Northern BC, through Yukon and into Alaska. One of these occurrences, the Wellgreen Deposit, produced 200,000 tonnes of Ni-Cu-PGE ore in 1972 and 1973. Wellgreen hosts reserves of 49.9 million tonnes grading 0.36% Ni, 0.35% Cu, 0.51 g/t Pt and 0.34 g/t Pd. The Kluane Belt magmatic nickel-copper-PGE occurrences are particularly enriched in the rarer platinum group elements osmium, iridium, ruthenium and rhenium (Hulbert, 1997).

8.0 PROPERTY GEOLOGY

The property geology in the area of the 2005 surveys is shown in Figure 5. The property is underlain predominantly by submarine and subvolcanic rocks with interbedded dirty carbonates and sulphate beds and fault slices. There are moderately consolidated Amphitheatre Group sandstones and conglomerated east of the survey areas. Both of the survey areas are overlain by variable, but possibly quite thick accumulations of Quaternary gravels, sands and conglomeratic units.

9.0 PERSONNEL AND EQUIPMENT

The survey was conducted by the following personnel:

Line cutting	Larry Breault Mitch Smaaslet Dave Germain J.F. Page	Foreman Cutter / brusher Cutter / brusher Cutter / brusher
HLEM	Lebole Monagen Andy Sewap	Crew chief Technician

The crews were equipped with the following instruments and general equipment:

Line cutting	3	Chainsaws. Axes, machetes, sandviks, compasses, chains, hip chains, clinometers, handheld GPS receivers.
Line cutting other	1 2 1	1 Ton truck. VHF radios Globalstar SAT phone
HLEM	1	Apex 1-10 Rx and Tx with MMC equipped with 50, 100 and 150m cables s/n: 10368
HLEM other	1 1 1 1	1 Ton Truck Laptop computer, MMC software and printer Globalstar SAT phone Repair tools (electrical, light mechanical)

10.0 SURVEY SPECIFICATIONS

The HLEM surveys were conducted to the following specifications:

Station spacing:	25 m (12.5 m for 50 m coil separation)
Coil spacing:	100 m 50 m on Lake grid L9300 N 150 m on Redball grid L10300 N
Frequencies:	220, 1760, 3520 and 7040 Hz. (100m & 150 m) 220, 3520, 7040 and 14,080 Hz (50 m)

Terrain correction: Slope chaining method using coplanar tilt corrected coils. Correction for short chainage using Apex Parametrics software MMCFIX1.

The total magnetic field survey used the following specifications:

Base station:	Cycled at 5 s for the survey periods. Rover mag readings taken where the base station geomagnetic field variation exceeded 3 nT over the 5 s interval were rejected.
Diurnal correction:	Rover mag data corrected for temporal variations of the Earth's geomagnetic field using linear interpolation between base mag readings.
Datum:	57, 000 nT
Station spacing:	12.5 m
Levelling:	Operator surveyed a common interval daily and all data was reduced to a common datum by calculating the mean difference between them.

11.0 HLEM THEORY AND INTERPRETATION PROCEDURES

The horizontal loop EM method is well described in standard texts such as Telford *et. al.* (1990) and Ketola and Puranen (1967). This section summarizes the key features of the HLEM method and describes the interpretation algorithms used in this survey program.

The HLEM method involves the use of a pair of separated horizontal coils. Most commonly, the surveys are conducted in the frequency domain. In this method, a sine wave of variable frequency is sent through one of the coils to create a time-varying vertical magnetic dipole source. The second coil is a receiver, which detects both the primary signal from the transmitting coil and a secondary signal created by magnetic induction in a conductive target in the earth. There are two variants of the method in the frequency domain, Slingram or conventional HLEM method and the Genie method.

The Slingram method (normally referred to as HLEM) requires that a sample of the transmitted signal be sent along a wire to the receiver where it is used to synchronize

the phase of the receiver with the transmitter. This permits the receiver to remove the effect of the transmitter signal (primary field) and to split the remaining secondary field into two components. One component represents the portion of the secondary field, which is synchronized or in-phase with the primary field (in-phase component). The second component is the portion of the secondary field, which lags the primary field by one-quarter cycle (90°) (quadrature component). The ratio of the in-phase to quadrature components is used to determine the electrical conductance of a target.

HLEM instruments remove the primary field from the signal to leave only the secondary field. By convention, a secondary field in the same direction as the primary field is recorded as positive while a secondary field in the opposite direction to the primary field is recorded as negative. HLEM data is commonly plotted as profiles with the reading plotted at the midpoint between the transmitter and receiver. The reason for this is that the response from a steeply dipping conductor, the most common target of this method, is strongest when the two coils straddle the conductor. Normally, the in-phase response is plotted as a solid line and the quadrature response as a dashed line.

The HLEM response of a flat lying body is shown in Figure MM2(a). Magnetic field lines (flux) are directed primarily into the region beneath the transmitter loop. Lenz's Law dictates that the induced secondary field will oppose the primary field. Consequently, at the receiver, both the primary and secondary field will be in the same direction. As a result, the response from a flat lying conductor consists of a positive response over the target. At the edge of the conductor, there is a negative response, which occurs when both coils are straddling the edge of the conductor. When the transmitter or receiver coil is over the edge of the conductor, there is no secondary field and the response is zero. As the depth to the flat lying conductor increases, the strength of the response is attenuated. The effective depth of investigation of the HLEM method for flat lying conductors is approximately 1.5 times the coil spacing.

The HLEM response of a steeply dipping conductor is shown in Figure MM2(b). Field lines from the transmitter are horizontal at a point midway between the two coils and in this orientation, cut the conductor at right angles creating the best coupling. Lenz's Law dictates that the secondary field will oppose the primary field and at the receiver coil, the secondary field is in the opposite direction to the primary field. As a result, the response when profiling over a steeply dipping conductor consists of a trough with peak negative value occurring when the coils straddle the conductor. The flanking positive peaks result from induction effects as the pair of coils are close to but not straddling the conductor. When either of the coils is directly over the target, the response is zero because the primary field is not well coupled with the target (i.e. it is perpendicular to the edge of the conductor) and little secondary field is created.

A dipping tabular conductor can be specified by the dip and dip direction, depth to top, target width and electrical conductance (conductivity thickness product or σt). The effect of varying these parameters is shown in Figure MM3 for the case of a response from a single isolated HLEM conductor. Asymmetry in the positive shoulders indicates the dip direction and the ratio of the positive shoulder responses can be used to

estimate the dip (Figure MM3(a)). The depth to the top of the conductor largely determines the strength of the response. Increasing the depth to the top of the conductor decreases the amplitude of the response but does not otherwise change the shape of the response (Figure MM3(b)). The effective depth of investigation of the HLEM method for steeply dipping targets is approximately one half the coil spacing. If the conductor is wide, the location of the zero crossovers, normally equal to the coil spacing, will increase. If the width reaches approximately one half the coil spacing, the trough of the response for shallow targets will start to deflect slightly to the positive. If the width of the target approaches that of the coil spacing, the positive return in the trough will be apparent at any depth to target (Figure MM3(c)). As noted above, the electrical conductance controls the ratio of the in-phase to quadrature response. Weak targets show only a quadrature response. As the target conductance increases the strength of the in-phase component will increase. Very high conductance targets are characterized by strong in-phase responses and weak to very weak quadrature responses (Figure MM3(d)).

Interpretation procedures for HLEM data are dependent upon the model to which the data is to be fitted. In most cases, the characteristic shape of the response will dictate the likely overall geometry of the source and thus the model to which the response should be fitted. Flat lying targets can be directly modeled with computerized calculations of target responses. Dipping tabular body responses on the other hand cannot be numerically modeled and must either be approximated through finite-element models or interpreted using characteristic curves. Characteristic curves for tabular dipping conductors incorporate several key features of the responses described in Figure MM3 into simple charts. These responses are derived from model experiments. The ratio of positive shoulders responses and the ratio of in-phase to quadrature peak negative values are the commonly used features of the response. An example of these charts is shown in Figure MM4.

The data contained in this report was interpreted using characteristic curves developed by Ketola and Puranen (1967). Where the data falls between two curves, the conductance and depth to top parameters can be interpolated but the dip cannot be reliably interpolated.

12.0 DATA PROCESSING & PRODUCTS

The following steps were taken in the processing of the total magnetic field data:

- a) Data import and formatting.
- b) Rejection of data where base mag variation exceeded specifications.
- c) Correction of temporal variation of Earth's magnetic field of the rover mag with the base mag.
- d) Compilation of leveling data to reduce multi-day survey to a common datum.
- e) Import into Geosoft Oasis Montage.

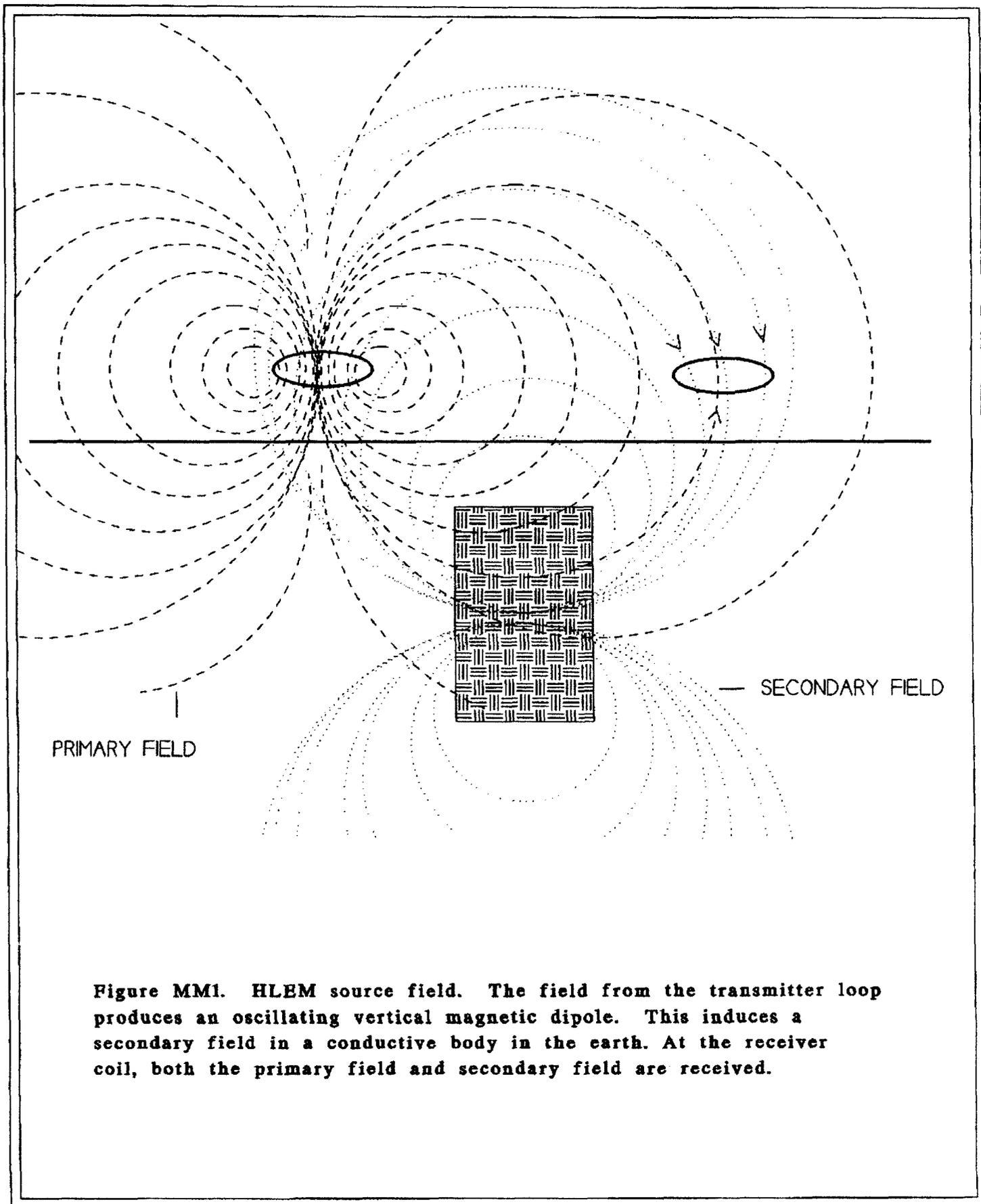


Figure MM1. HLEM source field. The field from the transmitter loop produces an oscillating vertical magnetic dipole. This induces a secondary field in a conductive body in the earth. At the receiver coil, both the primary field and secondary field are received.

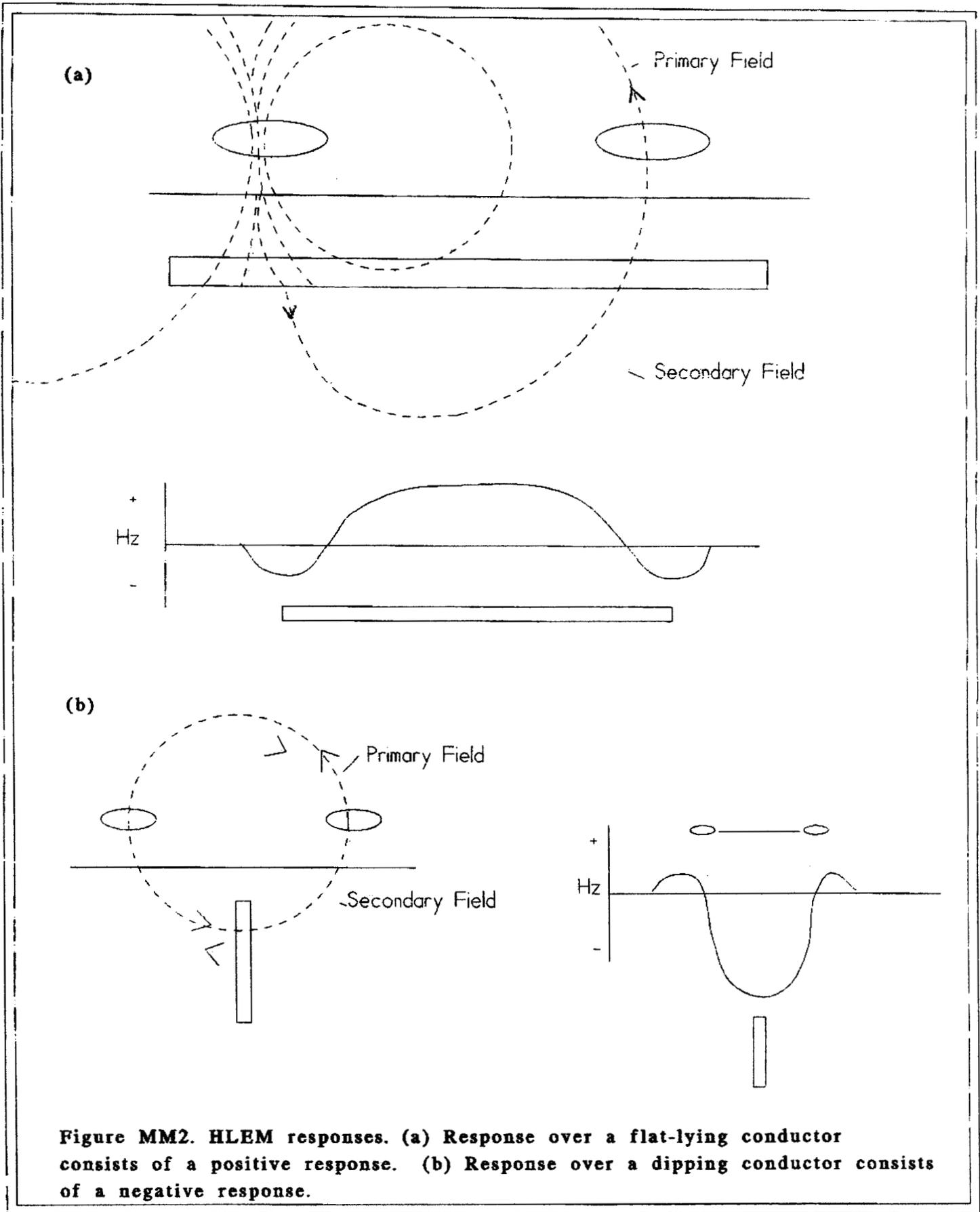
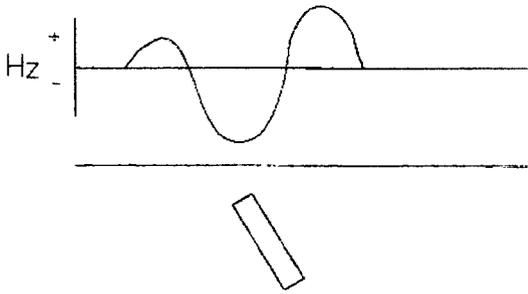
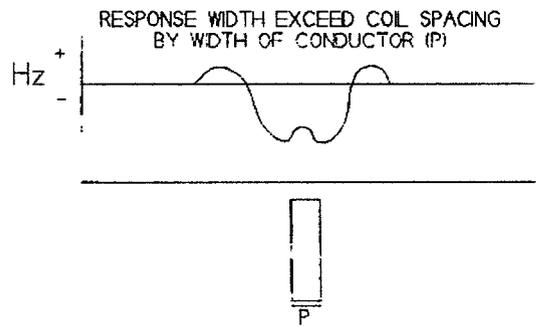


Figure MM2. HLEM responses. (a) Response over a flat-lying conductor consists of a positive response. (b) Response over a dipping conductor consists of a negative response.

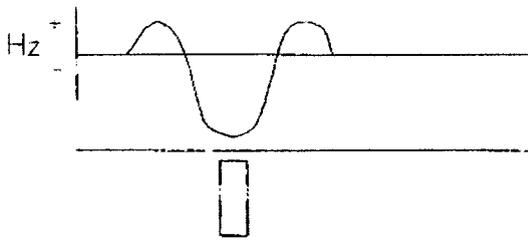
(a)



(b)



(c)



(d)

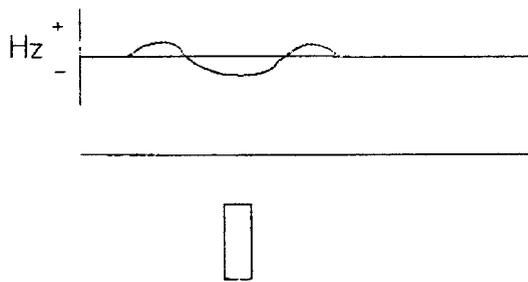
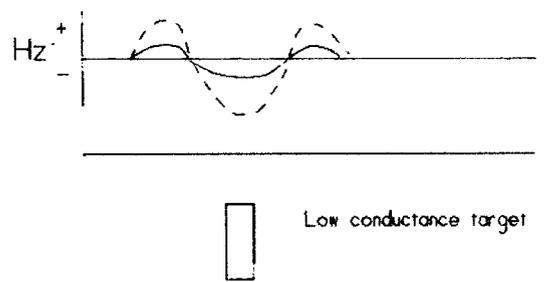
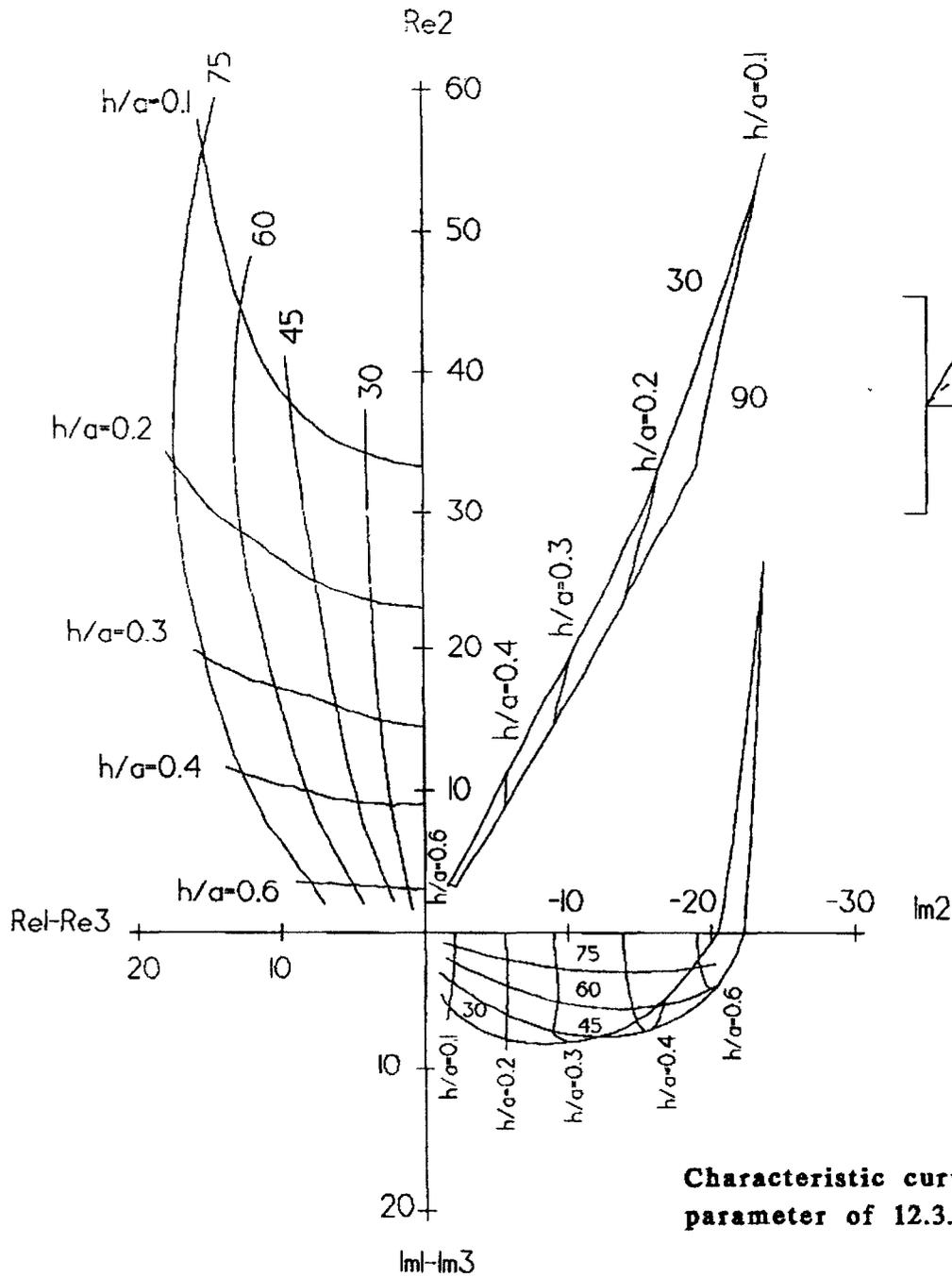


Figure MM3. HLEM response of dipping tabular conductors. (a) Effect of dip on HLEM response. (b) Effect of depth. (c) Effect of conductor width. (d) Effect of conductance.



Characteristic curve for response parameter of 12.3.

Figure MM4. Characteristic curve for a dipping tabular conductor from Ketola and Puranen (1967). Critical measurements of the response shown in the upper right are extracted and plotted to determine the geometry and conductance of the target.

- f) Merge with GPS data by linear interpolation (and in a few cases extrapolation) between GPS points.
- g) Non-linear despiking filter to eliminate single point datum excursions.
- h) Bidirectional gridding using a trend angle of 145.
- i) Calculated vertical derivative of the resultant grid.
- j) Either 3 (vertical derivative) or 5 (total magnetic field) passes with a Hanning filter.
- k) Production of shaded and unshaded colour contour maps.

The following steps were taken in the processing of the HLEM data:

- a) Data import and formatting.
- b) Short coil correction because of errors introduced by uneven topography corrected with Apex Parametrics MMCFIX1.
- c) Import into Geodoft Oasis Montage.
- d) Merged with GPS data by linear interpolation (and in a few cases extrapolation) between GPS points.
- e) Stacked profiles plotted and anomaly characteristics measured (if warranted). An inphase datum of 6% was used for all 100 m coil separation data. This is attributed to coil separation error as an inphase datum was not necessary for the small amount of 50 and 150 m coil separation data collected.
- f) Estimates of conductivity-thickness (conductance) and depth to conductor using characteristic curves developed by Ketola and Puranen (1967).

13.0 RESULTS

Total magnetic field data is shown in the following figures. All magnetic data is shown with interpreted conductors from the HLEM data.

Figure 6 – Colour contour map of gridded total magnetic field using a linear colour scale from 56600 to 57300 nT of the Lake Grid (1:5000).

Figure 7 – Shaded colour contour map of gridded total magnetic field using a linear colour scale from 56600 to 57300 nT of the Lake Grid (1:5000). Shading direction = 055.

Figure 8 – Colour contour map of gridded calculated vertical magnetic gradient using a linear colour scale of -15 to 15 nT/m of the Lake Grid (1:5000).

Figure 9 – Shaded colour contour map of gridded calculated vertical magnetic gradient using a linear colour scale of -15 to 15 nT/m of the Lake Grid (1:5000). Shading direction = 055.

The magnetic data resolves two linear magnetic highs, both trending approximately grid north (325). The southwestern-most ridge runs from approximately station 9600 E on

line 9050 to station 9500 E on L9650 N then to station 9550 E on L9950 N. The ridge has a high of 57700 nT on L9150 N and a saddle to 56850 nT on L9700 N. To the northeast of this feature is a trough and then area with a response of approximately 56900 nT. A second ridge of magnetic high runs from station 9925 E on L9000 N to station 10025 E on L9950 N. The strength of this ridge runs from 57180 nT in the southeast to 57020 nT in the northwest. Finally in the northeastern part of the grid is a magnetically flat area at approx 56960 nT.

HLEM data is shown in the following figures:

Figure 10 – Stacked 220 Hz and 1760 Hz data for 100 m coil separation on the Lake grid (1:5000). Profile scale is 1cm = 10%.

Figure 11 – Stacked 3520 Hz data for 100 m coil separation on the Lake grid (1:5000). Profile scale is 1cm = 10%.

Figure 12 – Stacked 7040 Hz data for 100 m coil separation on the Lake grid (1:5000). Profile scale is 1cm = 10%. Interpreted conductors are illustrated.

Figure 13 – Stacked 220 Hz and 3520 Hz data for 50 m coil separation on the Lake grid (1:5000). Profile scale is 1cm = 10%.

Figure 14 – Stacked 7040 Hz and 14080 Hz data for 50 m coil separation on the Lake grid (1:5000). Profile scale is 1cm = 10%.

Figure 15 – Stacked 220 Hz and 1760 Hz data for 100 m coil separation on the Redball grid (1:3000). Profile scale is 1cm = 20%.

Figure 16 – Stacked 3520 Hz data for 100 m coil separation on the Redball grid (1:3000). Profile scale is 1cm = 20%.

Figure 17 – Stacked 7040 Hz data for 100 m coil separation on the Redball grid (1:3000). Profile scale is 1cm = 20%.

Figure 18 – Stacked 220 Hz and 1760 Hz data for 150 m coil separation on the Redball grid (1:3000). Profile scale is 1cm = 20%.

Figure 19 – Stacked 3520 Hz and 7040 Hz data for 150 m coil separation on the Redball grid (1:3000). Profile scale is 1cm = 20%.

On the Lake grid, the most obvious conductor runs the length of the grid from just below station 9900 E on L9000 N to just above station 10000 E on L9900 N. It is consistent with a vertical tabular structure on lines 9000 N through 9300 N and a northeast dipping tabular body on lines 9400 N through 9800 N. Interpreted conductances are mostly between 0.36 and 2.16 S with interpreted depths to top of the body approximately 50 m

(Lines 9400 N, 9600 N and 9700 N appear to be smaller conductances which are shallower). There is some suggestion of other parallel conductors to the northeast (lines 9100 N to 9400 N and L9800 N) and a weaker response to the southwest (lines 9000 N to 9400 N). Data for 50 m coil separation, collected on L9300 N which had a strong response with 100 m coil separation, showed no significant conductor.

The Redball grid HLEM had the strongest response on L10100 N at station 9975 E. The conductor can be traced south to L 10000 N, station 9925 E and east to L10150 N, station 9875 E. Data for 150 m coil separation did not extend far enough to record the full anomaly.

14.0 PRODUCTS

The following are appended to this report as a digital archive.

Lake Grid Mag.gdb Lake Grid Mag.XYZ	Total magnetic field data from the Lake grid in Geosoft database format (*.gdb) and Geosoft ASCII XYZ format (*.XYZ). Column <i>finalMag</i> has the leveled, diurnally corrected, despiked data. Coordinates are NAD83, UTM Zone 7N.
LakeGrid_50m HLEM.gdb LakeGrid_50m HLEM.XYZ	50 m coil separation HLEM data from the Lake grid in Geosoft database format (*.gdb) and Geosoft ASCII XYZ format (*.XYZ). Coordinates are NAD83, UTM Zone 7N.
LakeGrid_100m HLEM.gdb LakeGrid_100m HLEM.XYZ	100 m coil separation HLEM data from the Lake grid in Geosoft database format (*.gdb) and Geosoft ASCII XYZ format (*.XYZ). Coordinates are NAD83, UTM Zone 7N.
Redball_150m HLEM.gdb Redball_150m HLEM.XYZ	150 m coil separation HLEM data from the Redball grid in Geosoft database format (*.gdb) and Geosoft ASCII XYZ format (*.XYZ). Coordinates are NAD83, UTM Zone 7N.
Redball_50m HLEM.gdb Redball_50m HLEM.XYZ	100 m coil separation HLEM data from the Redball grid in Geosoft database format (*.gdb) and Geosoft ASCII XYZ format (*.XYZ). Coordinates are NAD83, UTM Zone 7N
Figure 1 - *.pdf ...	Full-scale images of all plots in the report in PDF format.
Figure 20- *.pdf	
Ultra HLEM final report.pdf	A PDF of this report.

15.0 CONCLUSIONS

The magnetic survey on the Lake grid shows linear features striking NW / SE which is consistent with the predominant structures of the property (see Figure 5). The magnetic ridge to the SW of the grid is likely a continuation of the Nocolai Group volcanic package as mapped along strike to the NW in Figure 5. The other ridge of magnetic high, less strong than the first, is interpreted as a more felsic or intermediate volcanic unit. In between these two volcanic packages is a magnetic low, consistent with a sedimentary package. The HLEM data places the strongest conductor immediately to the southwest of the central, intermediate magnetic high.

The geophysical responses are consistent with a VMS target response. The ore would be expected to sit in a sedimentary unit immediately above a volcanic unit. Although the conductances are not as high as might be expected from a typical VMS deposit, the massive sulphide boulders at the Cub Creek / Telluride Creek showing are very high in Zn. A sphalerite rich VMS deposit would have lower conductivity than a typical copper-rich Besshi-style deposit. Graphite, which could be expected in a Besshi-style mafic volcanic VMS setting, would produce a similar geophysical response. The magnetic ridge associated with the conductor is not as strong as the anomaly in the southwest, suggesting a more felsic or intermediate composition.

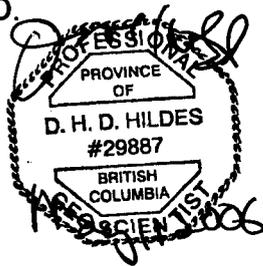
The conductor on the Redball grid is also situated adjacent to a magnetic high as seen from Figure 20. This magnetic and HLEM response would be consistent with a VMS deposit in sedimentary rocks proximal to a volcanic unit. The conductor identified by the 2005 survey is coincident with the edge of the 1961 Turam resistivity anomaly and is coincident with the 2004 airborne EM anomaly and the 2002 HLEM survey. The response was stronger in the 2002 survey which had different line orientation (EEN) which suggests that the strike of the conductor is close to N/S. The 2002 survey indicated this structure had an eastward dip, while the 2005 survey shows a vertical structure; this discrepancy is likely also the result of different line orientations between the 2002 and 2005 surveys.

16.0 RECOMMENDATIONS

Recommendations following from the conclusions are that both the Lake grid conductive anomaly, running from L9000N and L9900N between stations 9875 E and 10025 E, with the strongest response on L 9100N, station 9900E and Redball grid conductive anomaly, running from L10000 N to L10150 N between stations 9875 E and 9975 E, with the strongest response at L10100 N, station 9975 E, be drill-tested. Although there is a risk of graphitic units being the cause of these conductivity anomalies, the potential of finding the source of the spectacular massive sulphide boulders at the Cub Creek / Telluride Creek showing warrants this risk.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Dave Hildes, Ph. D., P.Ge.
Geophysicist



STATEMENT OF EXPENDITURES

Line cutting mobe and demobe		\$575.00
Line cutting crew with equipment and truck	- 7 days@\$1490	\$10,430.00
HLEM mobe and demobe		\$650.00
HLEM crew with equipment and truck	- 6 days@\$1245	\$7470.00
Room and board		\$159.84
Data processing and report writing		<u>3,000.00</u>
	Total	<u>22,284.84</u>

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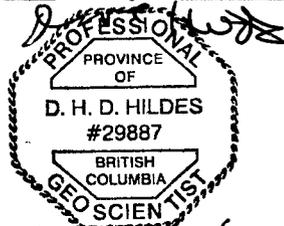
APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Dave Hildes, P. Geo., certify that:

- 1) I reside at 33 Couch Road, Whitehorse, Yukon Territory, Y1A 5W5
- 2) I am a geophysicist employed by Aurora Geosciences Ltd. of Whitehorse, Yukon Territory.
- 3) I graduated from the University of British Columbia with a Ph. D. in geophysics in 2001 and have worked as a geophysicist since that time.
- 4) I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, Registration No 29887.

Dated this 13 th day of MARCH, 2006, at Whitehorse, Yukon Territory.



MAR 13 2006
Dave Hildes, Ph. D., P. Geo.



AURORA GEOSCIENCES LTD.
ULTRA HLEM SURVEY
JOB KDS-05-01-YT
KLONDIKE STAR MINERAL CORPORATION

Period: October 23rd - 28th, 2005

Personnel:

Line cutting crew

Larry Breault (LB) - Foreman
Mitch Smaaslet (MS) - Lead cutter
David Germaine (DG) - Brusher
Jean Francois Page (JFP) - Brusher

Geophysical crew

Lebole Monagen (LM)- Geophysicist / Crew chief
Andy Sewap - Technician

Line cutting:

Tue 11 Oct 05 Mobe / Line cutting. Crew departs Whitehorse at 0730hrs and meets chopper to fly in at 0900 hrs. Stay at Glacier View Inn.

Wed 12 Oct 05 Line cutting: Redball & Lake Grids
To
Sun 16 Oct 05

Mon 17 Oct 05 Line cutting / Demobe. Crew finishes in the late afternoon and returns to Whitehorse.

Geophysics

Sun 23 Oct 05 Survey. Departed Whitehorse at 8:15am Sunday arrived at Trans North Heli-base by 10:00am. Flew out to the Red ball grid and started survey. Back in Haines Junction by 6:00pm. Checked into the Glacier view Inn.

Production: 2.3 line-km (4 lines)

Mon 24 Oct 05 Survey. Depart Trans North Heli-base at 8:50am continued the survey on the Red ball grid. Phoned for chopper at 4:40pm because weather was moving in. Back in Haines Junction by 5:15pm Lots of snow by 10:00pm. Without the use of snowshoes production would be greatly reduced.

Production: 3.6 line-km (6 lines)

Tue 25 Oct 05 Survey. Depart Trans north at 8:55am started the survey on lake grid. A fresh dump of snow to start the day. Back at trans north heli-base by 5:30pm.

Production: 4.0 line-km (6 lines)

Wed 26 Oct 05 Survey. Depart Trans North at 10:40am due to a very low ceiling in the morning, a lot of fog. Once again a fresh dump of snow. Snowing again by 4:00pm back in Haines Junction by 6:00pm.

Production: 2.4 line-km

Thu 27 Oct 05 Survey. Depart Trans North at 9:00am. Back in Haines Junction by 6:00pm.

Production: 2.4 line-km (2 coil spacings)

Fri 28 Oct 05 Survey. Depart Trans North heli-base at 8:45am. Had problems with cable pigtailed on the 50m cable, so we did 150m coil space on line L10100E, redball grid. We did 50m coil space on lake grid, line L9300E. Finished 100m coil space on red ball grid lines 9750n and BL 10000. Back in Haines Junction by 6:30pm.

Production: 2.2 line-km

Sat 29 Oct 05 Demobe.

Summary:

Line cutting

Mobe / demobe: 1 day

Survey: 7 days

Mobe / demobe: 1 day

Survey: 6 days

APPENDIX III
TECHNICAL SPECIFICATIONS

MAXMIN I-10 SPECIFICATIONS:

Frequencies:	110, 220, 440, 880, 1760, 3520, 7040, 14080, 28160 and 56320 HZ.	Signal filtering:	Powerline comb filter, continuous spherics noise clipping, autoadjusting time constant and other filtering
Modes:	MAX 1: Horizontal loop mode (Transmitter and receiver coil planes horizontal and coplanar). MAX 2: Vertical coplanar loop mode (Transmitter and receiver coil planes vertical and coplanar). MIN 1: Perpendicular loop mode 1 (Transmitter coil plane horizontal and receiver coil plane vertical). MIN 2: Perpendicular loop mode 2 (Transmitter coil plane vertical and receiver coil plane horizontal).	Warning lights:	Receiver signal and reference warning lights to indicate potential errors
Coil separations:	12.5, 25, 50, 75, 100, 125, 150, 200, 250, 300, & 400 metres (standard) 10, 20, 40, 60, 80, 100, 120, 160, 200, 240 & 320 metres (selected with grid switch inside of receiver) 50, 100, 200, 300, 400, 500, 600, 800, 1000, 1200 & 1600 feet (selected with grid switch inside of receiver).	Survey depth:	From surface down to 1.5 times coil separation used
Parameters measured:	In-Phase and quadrature components of the secondary magnetic field, in % of primary (transmitted) field.	Transmitter dipole moments:	110 Hz 200 Atm 1760 Hz 110 Atm 220 Hz 190 Atm 3520 Hz 80 Atm 440 Hz 170 Atm 7040 Hz 40 Atm 880 Hz 140 Atm 14080 Hz 20 Atm 28 KHz: 10 Atm 56 KHz: 5 Atm
Readouts:	Analog direct readouts on edgewise panel meters for in-phase, quadrature and tilt. (Additional digital readouts when using the DAC, for which interfacing and controls are provided for plug-in).	Reference cable:	Light weight, unshielded 4/2 conductor teflon cable for maximum temperature range and for minimum friction. Please specify cable lengths required.
Ranges of readouts:	Analog in-phase and quadrature scales: $0 \pm 4\%$, $0 \pm 20\%$, $0 \pm 100\%$, switch activated. Analog tilt scale: $0 \pm 75\%$ grade. (Digital in-phase and quad $0 \pm 199.9\%$).	Intercom:	Voice communication link provided for operators via the reference cable.
Readability:	Analog in-phase and quadrature 0.05% to 0.5% , analog tilt 1% grade. (Digital in-phase and quadrature 0.1%).	Receiver power supply:	Four standard 9V batteries (0.5Ah, alkaline). Life 25 hrs continuous duty, less in cold weather. Rechargeable battery and charger option available
Repeatability:	$\pm 0.05\%$ to $\pm 1\%$ normally, depending on frequency, coil separation & conditions.	Transmitter power supply:	Rechargeable sealed gel type lead acid 6V-26Ah batteries (4x6V-6.1Ah) in canvas belt. Optional 6V-16Ah light duty belt pack available
		Transmitter battery charger:	For 110-120/220-240VAC 50/60/400 Hz and 12-15VDC supply operation automatic float charge mode, three charge status indicator lights. Output 7.3V-2.9A nominal.
		Operating temp:	-30 to + 60 degrees Celsius.
		Receiver weight:	8 kg, including the two integral ferrite core antennas (9 kg with data acq. computer).
		Transmitter weight:	16 kg with standard 6V-26Ah battery pack. 14 kg with light duty 6V-16Ah pack
		Shipping weight:	60 kg plus weight of reference cables at 2.8 kg per 100 metres plus other optional items if any
		Standard spares:	One spare transmitter battery pack, one spare transmitter battery charger, two spare transmitter retractile connecting cords, one spare set receiver batteries.

Specifications subject to change without notification.

APEX PARAMETRICS LIMITED

P.O. Box 818, Uxbridge
Ontario, Canada **L9P 1N2**

Telephones: 416-640-6102
416-852-5875

Fax: 416-852-9688

Cables: APEXPARA TORONTO

OMNI IV

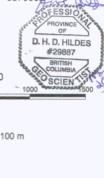
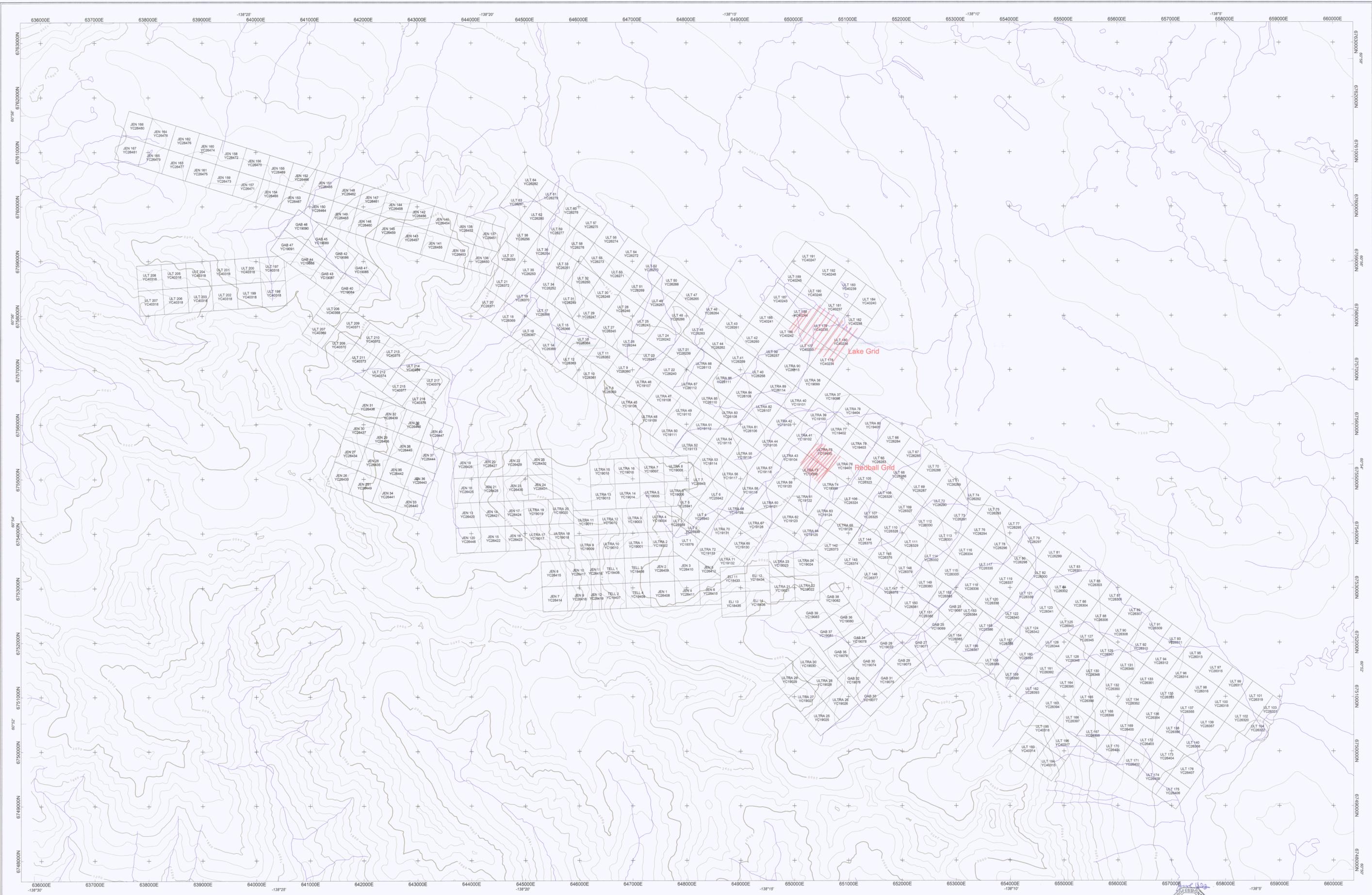
Physical Dimensions	Wt(kg):	w × h × d(mm)
Instrument console only	2.8:	238 × 150 × 250
Battery belt	1.2:	540 × 100 × 40
(Alkaline)		
Battery cartridge	1.8:	235 × 105 × 90
(Lead acid)		
Battery belt	1.8:	540 × 100 × 40
(Lead acid)		
Sensors		
Remote sensor	1.2:	56 dia × 220
Gradient sensor		
0.5 m separation (standard) ..	2.1:	56 dia × 790
1.0 m separation (optional) ...	2.2:	56 dia × 1290
Environment		
Electronics		
Operating temperature range ...		-40°C to +55°C
Relative humidity		0 to 100% (weather-proof)
Sensor		
Temperature range		-45°C to +55°C
Relative humidity		0 to 100% (weather-proof)
Standard Memory Capacity		
Total field or gradient		1400 data blocks or sets of readings
Tie-line points		100 data blocks or sets of readings
Base station		5000 data blocks or sets of readings
Electronics		
RS-232C serial I/O		2400 baud; 8 data bits; 2 stop bits; no parity
Electronic console		Enclosure contains electronics and battery pack (if not contained in separate belt). Front panel includes liquid crystal display (LCD), keypad and MODE selector.
Power supply		Internal battery pack or external battery belt; or +12 V car battery if used as a base station.

Table 1-1 Technical Summary

Specifications	
Dynamic range	18,000 to 110,000 γ . Roll-over display suppresses first significant digit upon exceeding 100,000 γ .
Processing sensitivity	$\pm 0.02 \gamma$
(total field)	
Statistical error resolution	0.01 γ
Absolute accuracy	$\pm 1 \gamma$ at 50,000 γ at 23°C. $\pm 2 \gamma$ over total temperature range.
Display resolution (total field)	0.1 γ
Tuning method	Microprocessor calculates precise tuning. Value utilizing a specially-developed timing algorithm.
Automatic fine tuning	$\pm 15\%$ relative to ambient field of last stored total field value.
Tracking range	18,000 to 110,000 γ
Gradient tolerance	6,000 γ per metre (field proven)
Tuning indicator	Descriptor on display (TUNE) commences to flash on and off. Audio alarm activated also. (New field value must be entered into system.)
Display	Custom designed, ruggedized liquid crystal display with an operating temperature range of -40°C to +55°C at 100% RH. The display contains six numeric digits, two decimal points, battery monitor, signal decay rate and signal amplitude monitor and function descriptors.

Table 1-1 Technical Summary (Cont)

APPENDIX IV
PAGE SIZED FIGURES



2005 Survey

Scale 1:25000

0 500 1000

Elevations in MSL
Contour Interval = 100 m

KLONDIKE STAR MINERAL CORP.

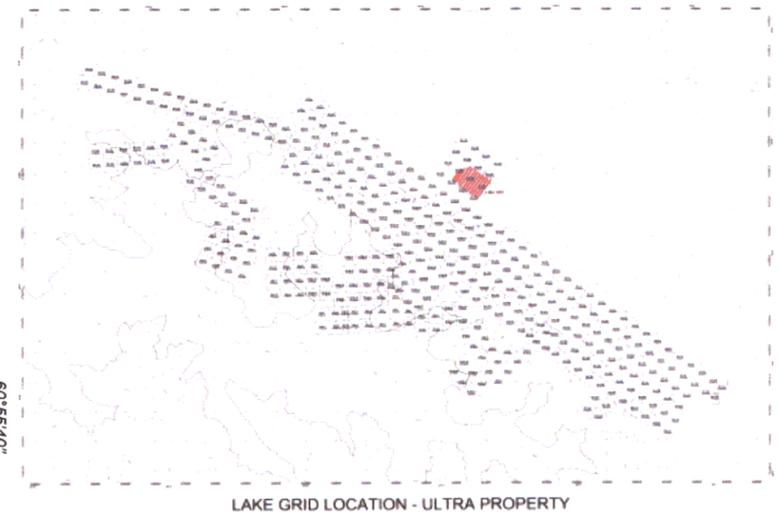
ULTRA PROPERTY

2005 GEOPHYSICAL SURVEY

FIGURE 2 - CLAIM LOCATION MAP

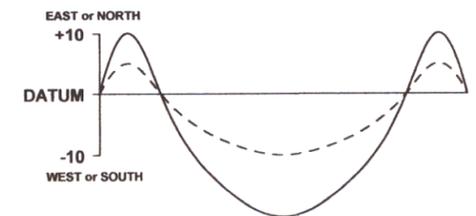
NTS: 1:15816 Mining District: Whitehorse
 Datum: NAD83 Projection: UTM Zone 7N
 Date: Mar 01 2006 Job: KDS-05-01-YT
 Drawn by: DJS Date Surveyed: Oct 23 - 29, 2005

AURORA GEOSCIENCES LTD.

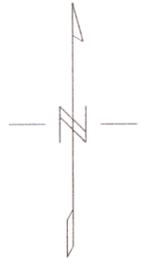
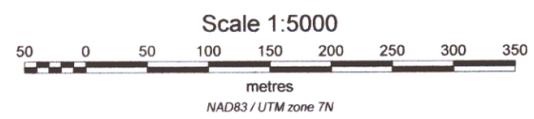


LEGEND
HORIZONTAL LOOP EM

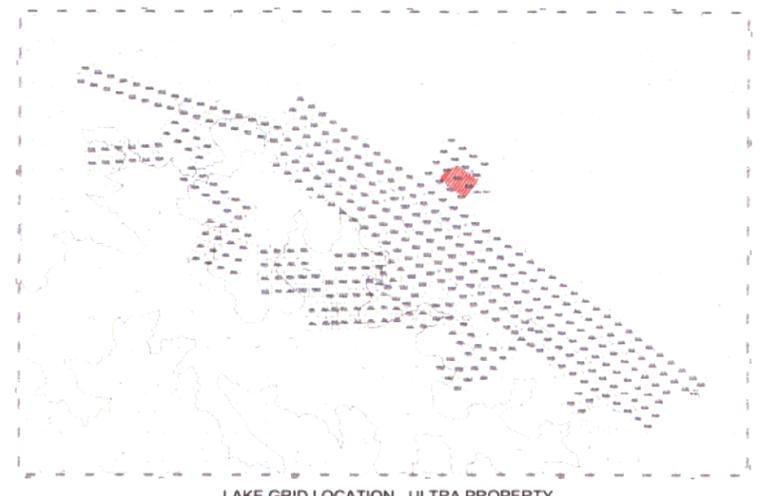
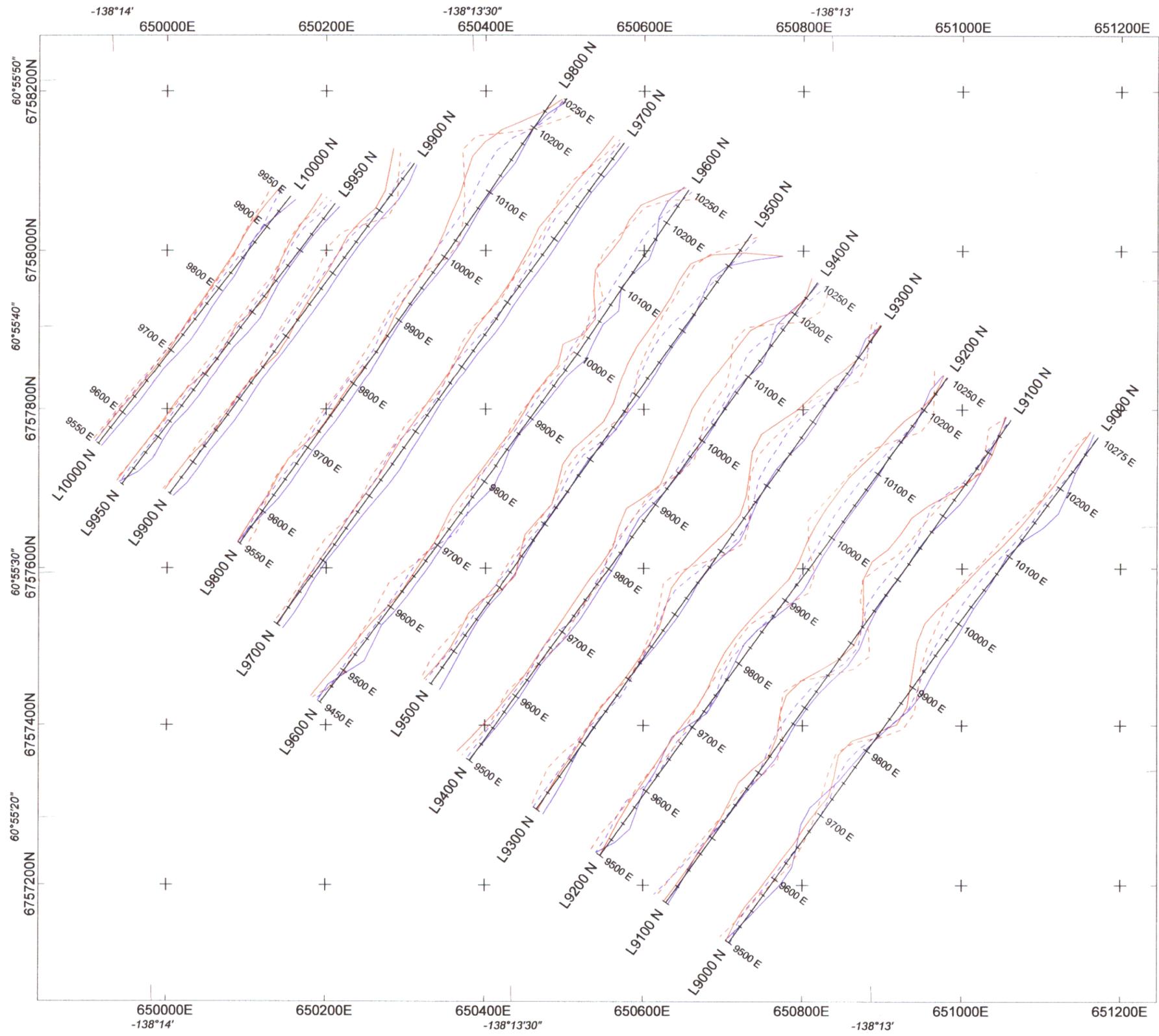
FREQUENCY : 3520 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%
 IN PHASE 3520Hz :
 QUADRATURE 3520Hz :
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km



KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - LAKE GRID	
FIGURE 11 - STACKED HLEM PROFILES	
100 m Coil Separation - 3520 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	



LEGEND
HORIZONTAL LOOP EM
 FREQUENCY : 220 and 1760 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%

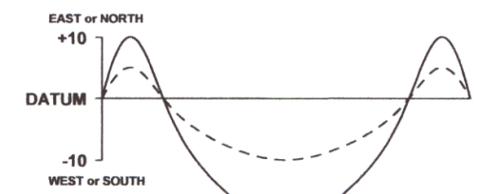
IN PHASE 220Hz :

IN PHASE 1760Hz :

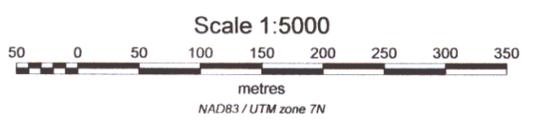
QUADRATURE 220Hz :

QUADRATURE 1760 Hz :

COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km



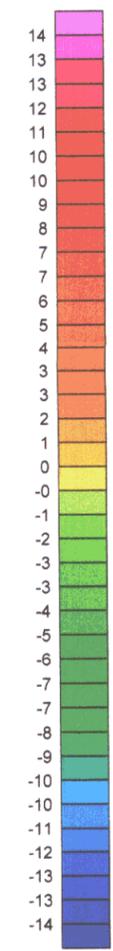
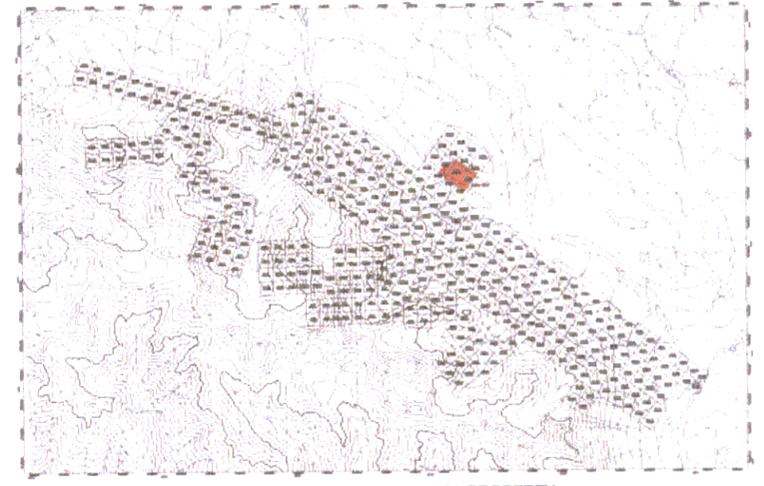
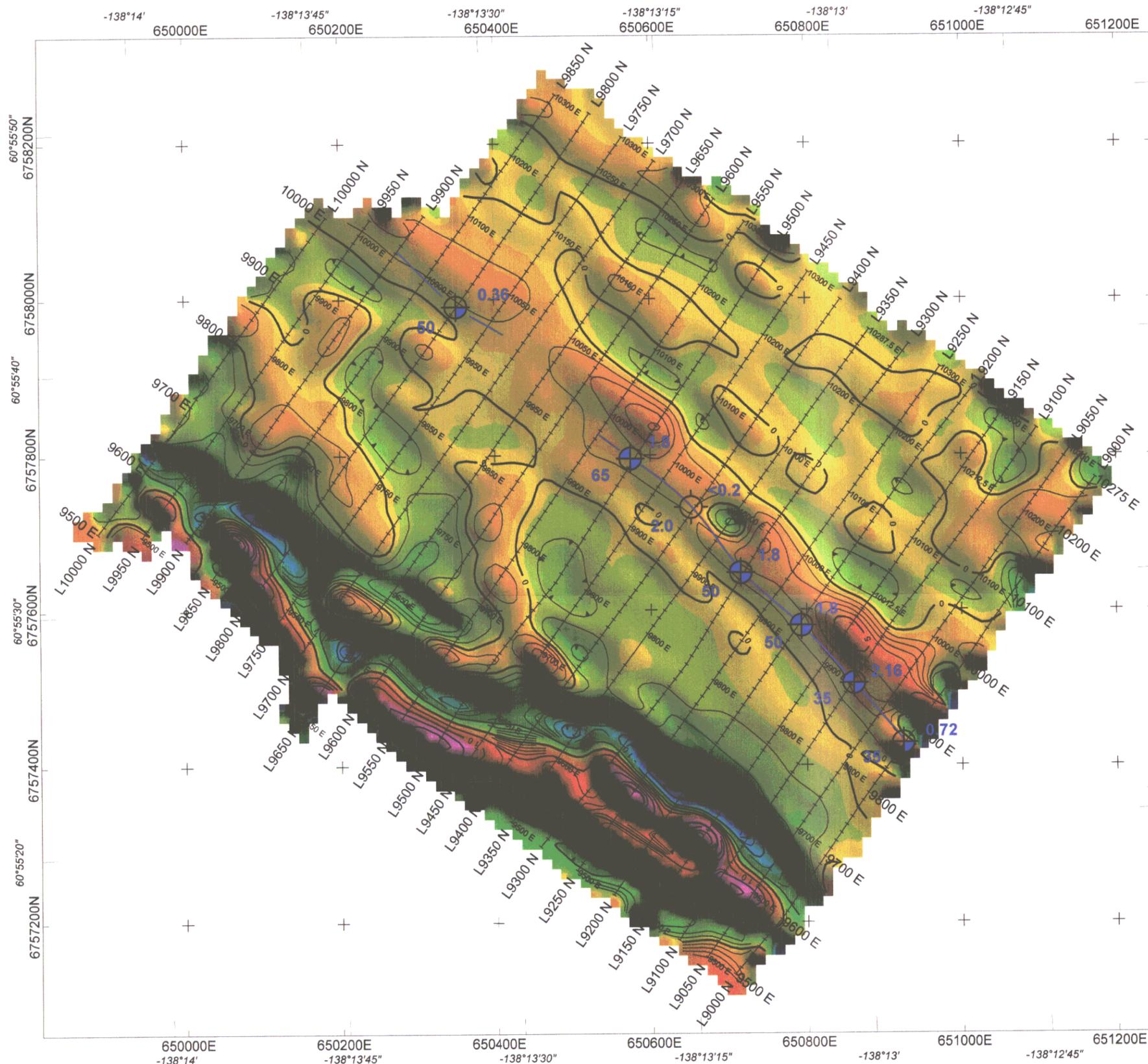
KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 10 - STACKED HLEM PROFILES
100 m Coil Separation - 220 Hz and 1760 Hz

NTS: 115B16
 Datum: NAD83
 Date: Mar 10 2006
 Drawn by: DH

Mining District: Whitehorse, YT
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Oct 23 - 29, 2005

AURORA GEOSCIENCES LTD.

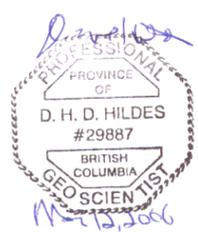


LEGEND
VERTICAL MAGNETIC GRADIENT

CONTOUR INTERVALS (nT/m)

1
5
25

REFERENCE FIELD : 57,000 nT
INSTRUMENT : OMNI-IV MAG
GRIDDING ALGORITHM : GEOSOFIT BIDIRECTIONAL
BIDIRECTIONAL TREND : 145
GRID CELL SIZE : 12.5 m
GRID HANNING FILTER : 3 PASSES
DATA FILE : Lake Grid Mag.gdb
OPERATOR : TM
STATION SEPARATION : 12.5 m
LINE-KM SURVEYED THIS SHEET : 15.9 km
SHADING INCLINATION : 45 Deg
SHADING DIRECTION : 055



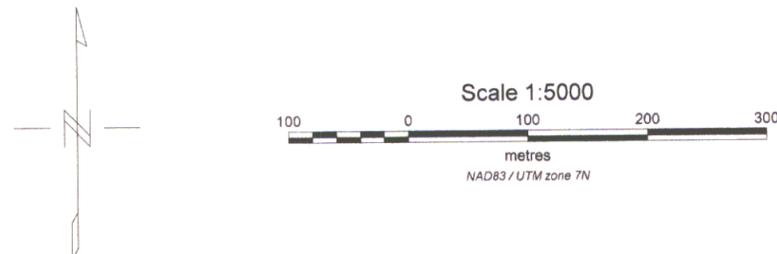
Conductance

1-5 S

0.2-1.0 S

<0.2 S

Depth (m)



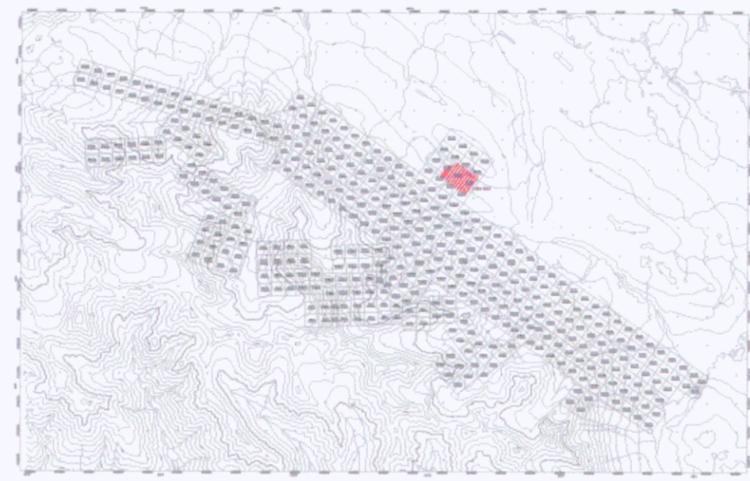
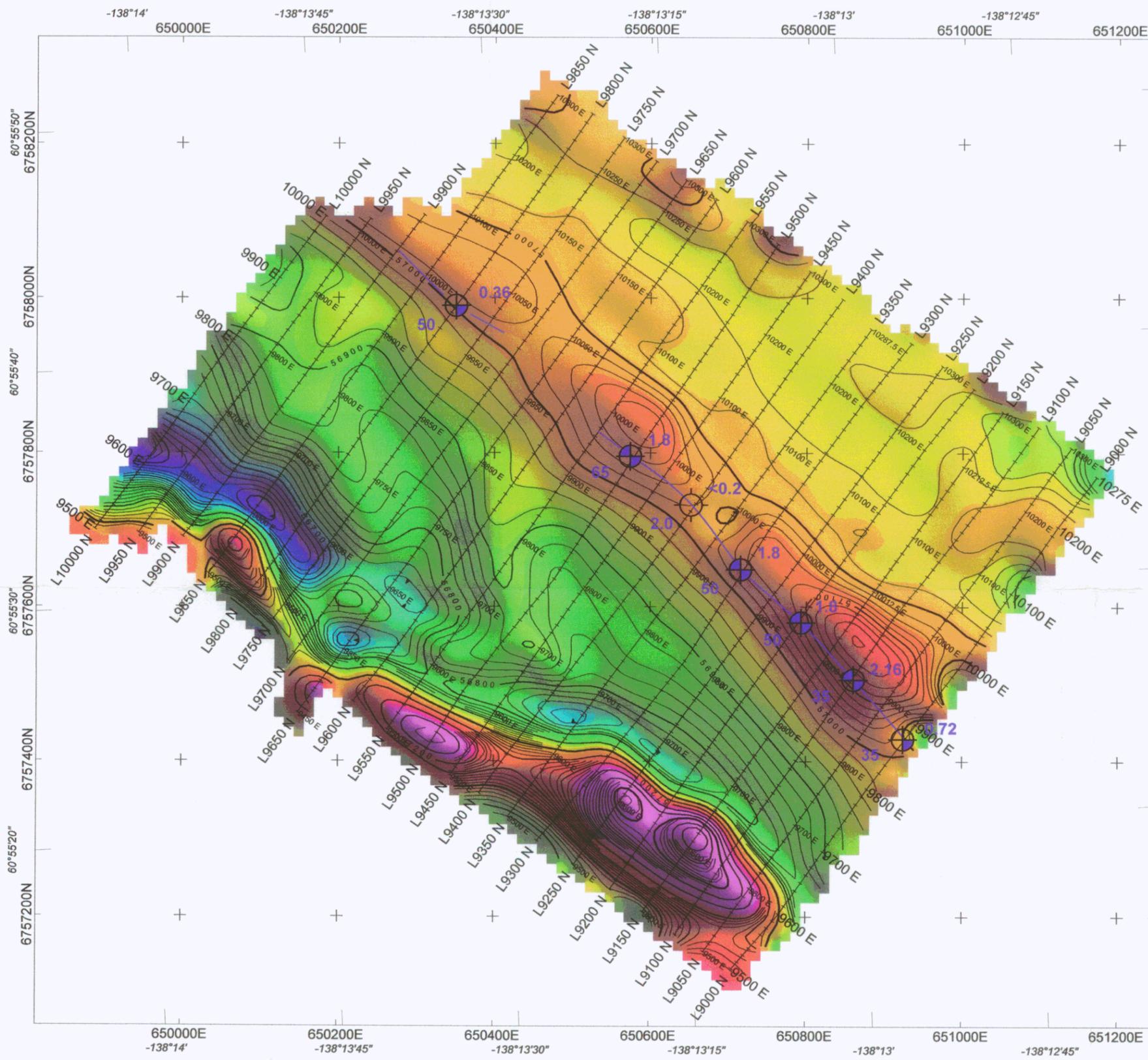
KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 09 - VERTICAL MAGNETIC GRADIENT
SHADED COLOUR CONTOUR MAP

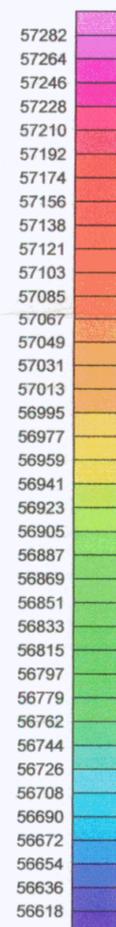
NTS: 115B16
Datum: NAD83
Date: Mar 08 2006
Drawn by: DH

Mining District: Whitehorse
Projection: UTM Zone 7N
Job: KDS-05-01-YT
Date surveyed: Sep 28 - Oct 01, 2005

AURORA GEOSCIENCES LTD.



LAKE GRID LOCATION - ULTRA PROPERTY



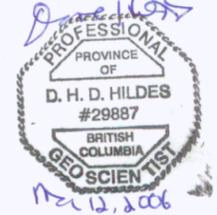
Total Magnetic Field (nT)

LEGEND TOTAL FIELD MAGNETICS

CONTOUR INTERVALS (nT)

20
100
500

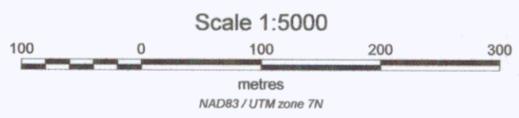
REFERENCE FIELD : 57,000 nT
 INSTRUMENT : OMNI-IV MAG
 GRIDDING ALGORITHM : GEOSOFIT BIDIRECTIONAL
 BIDIRECTIONAL TREND : 145
 GRID CELL SIZE : 12.5 m
 GRID HANNING FILTER : 5 PASSES
 DATA FILE : Lake Grid Mag.gdb
 OPERATOR : TM
 STATION SEPARATION : 12.5 m
 LINE-KM SURVEYED THIS SHEET : 15.9 km
 SHADING INCLINATION : 45 Deg
 SHADING DIRECTION : 055



Conductance



Conductance (S)
 Depth (m)



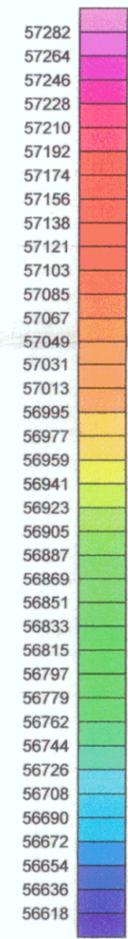
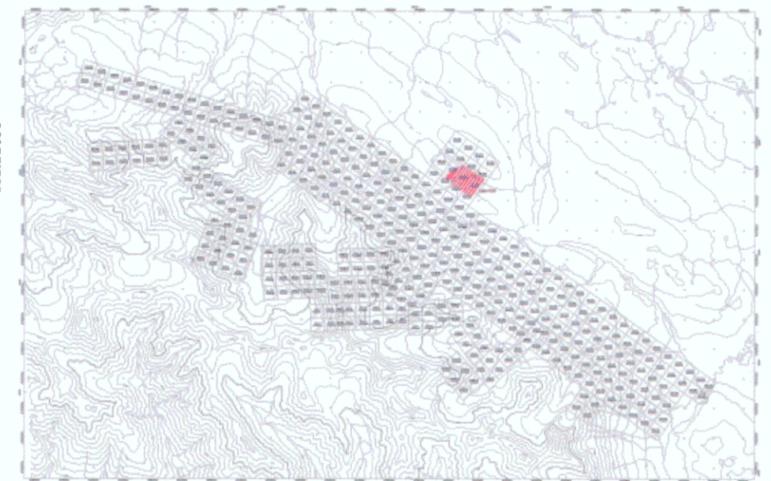
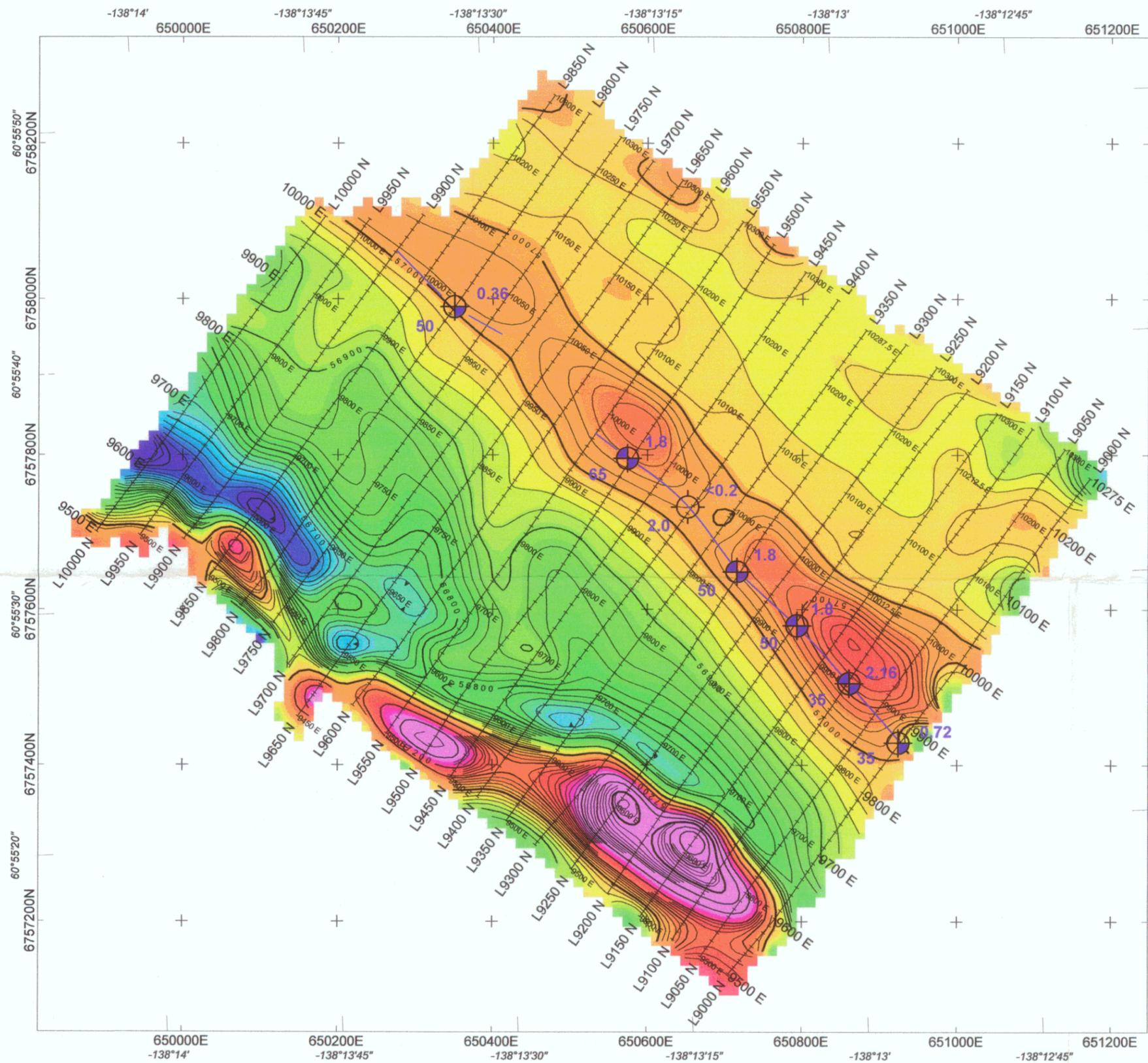
KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID FIGURE 07- TOTAL MAGNETIC FIELD SHADED COLOUR CONTOUR MAP

NTS: 115B16
 Datum: NAD83
 Date: Mar 08 2006
 Drawn by: DH

Mining District: Whitehorse
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Sep 28 - Oct 01, 2005

AURORA GEOSCIENCES LTD.



Total Magnetic Field (nT)

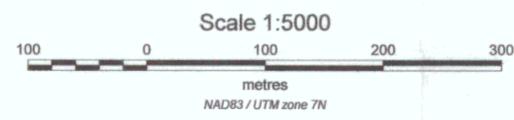
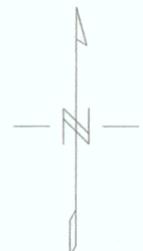
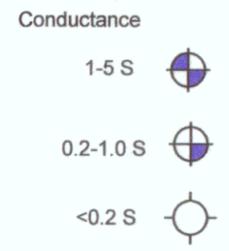
LEGEND

TOTAL FIELD MAGNETICS

CONTOUR INTERVALS (nT)

20
100
500

REFERENCE FIELD : 57,000 nT
 INSTRUMENT : OMNI-IV MAG
 GRIDDING ALGORITHM : GEOSOFTE BIDIRECTIONAL
 BIDIRECTIONAL TREND : 145
 GRID CELL SIZE : 12.5 m
 GRID HANNING FILTER : 5 PASSES
 DATA FILE : Lake Grid Mag.gdb
 OPERATOR : TM
 STATION SEPARATION : 12.5 m
 LINE-KM SURVEYED THIS SHEET : 15.9 km

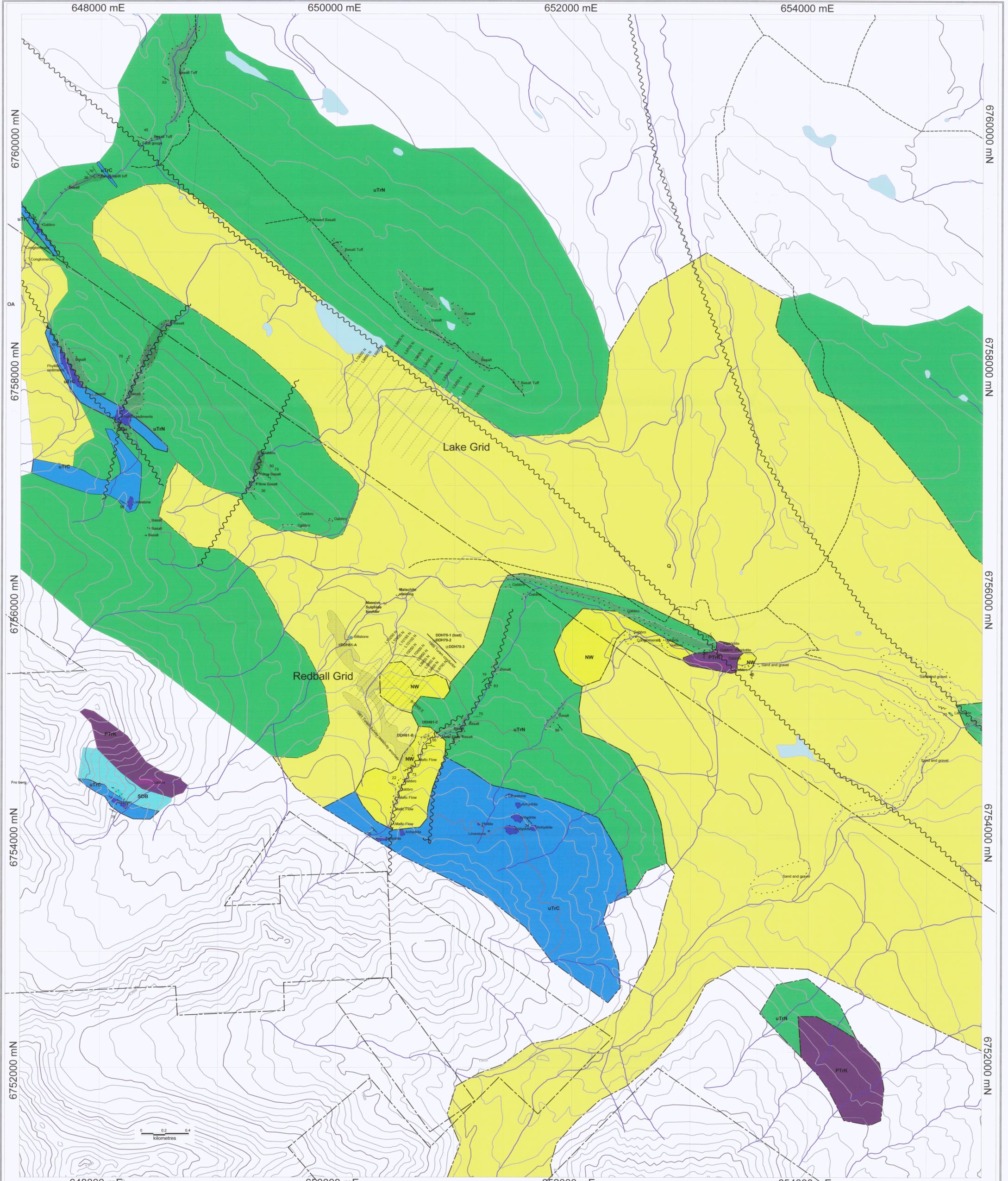


KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 06 - TOTAL MAGNETIC FIELD

NTS: 115B16	Mining District: Whitehorse
Datum: NAD83	Projection: UTM Zone 7N
Date: Mar 08 2006	Job: KDS-05-01-YT
Drawn by: DH	Date Surveyed: Sept 28-Oct 01, 2005

AURORA GEOSCIENCES LTD.



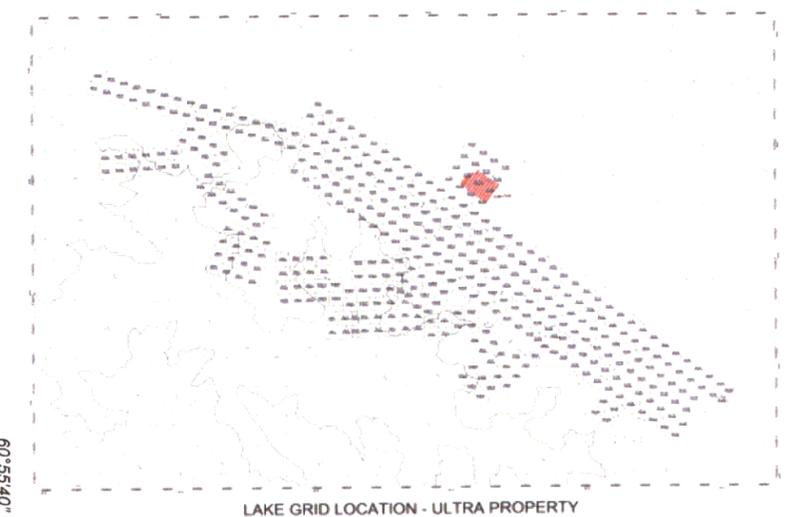
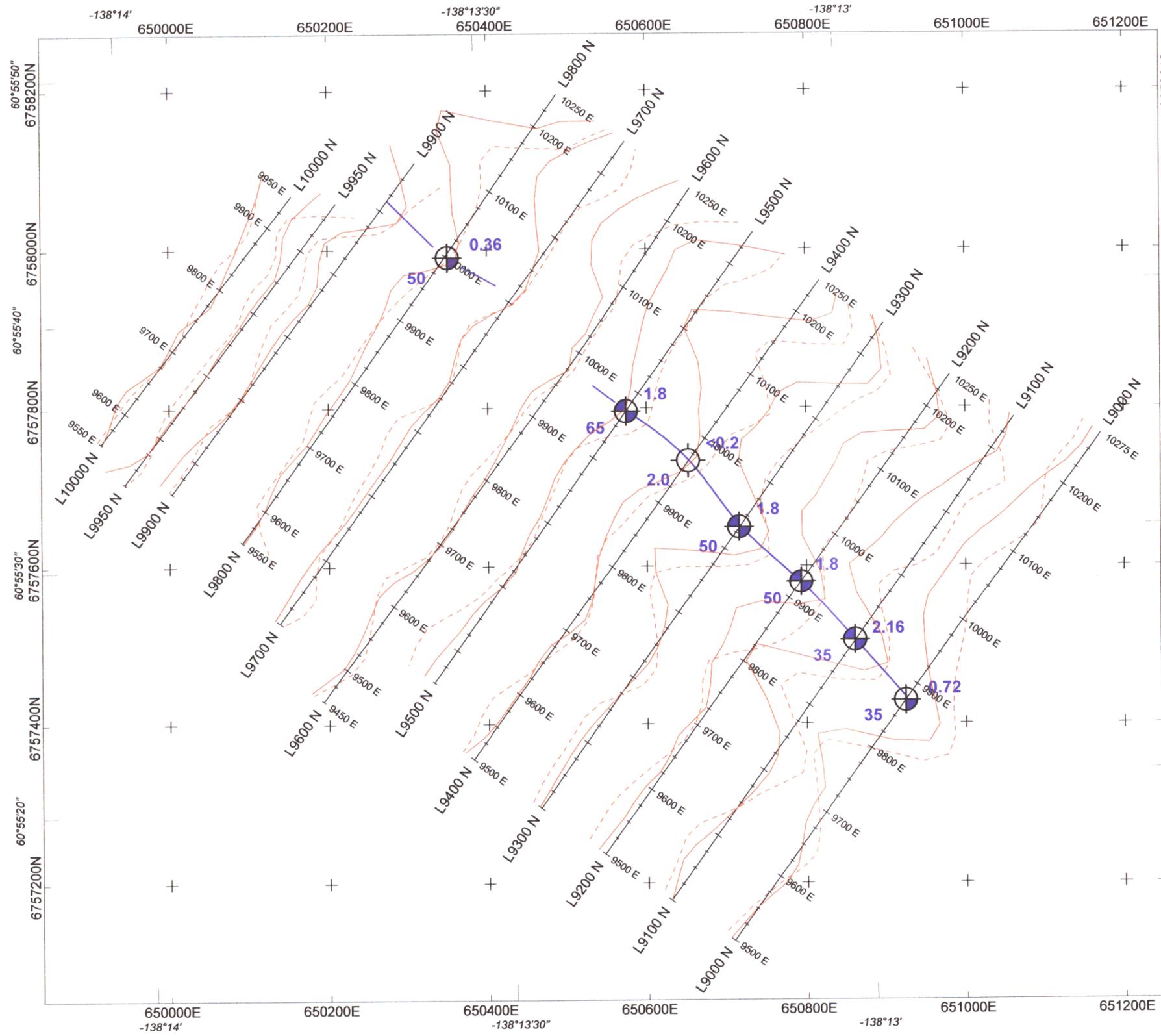
LEGEND

Q	Quaternary sand and gravel	—	bedding with dip
MA	Miocene to Pliocene Amphitheatre Formation - sandstone, conglomerate, siltstone, mudstone	—	Fault with dip
PO	Paleocene to Oligocene Wraggell Laves - mafic to felsic volcanic rocks	—	Outcrop location
UTN	Upper Triassic Nicola Group - basalt to andesite flows	—	mineralized zone
LT	Late Triassic Klusne Ultramafic Suite - mafic to ultramafic intrusions	—	Drill hole location
SD	Silurian and Devonian Sault Group - limestone, marble and minor argillites	—	1961 Turam survey resistivity zone

D.H. D. HILDEBRAND
 PROJECT GEOSCIENTIST
 15/10/2006

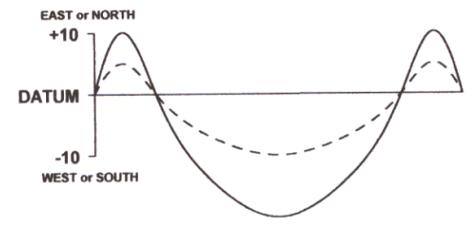
scale 1:10,000
 topographic contours at 40 metre intervals

KLONDIKE STAR MINERAL CORPORATION
ULTRA PROPERTY
Horizontal Loop Electromagnetic Survey
Figure 5 - Property Geology Map
 NTS: 115B16 Mining District: Whitehorse
 Datum: NAD83 Projection: UTM zone 7N
 Date: March 10, 2006 Job: KDS-05-01-YT
AURORA GEOSCIENCES LTD

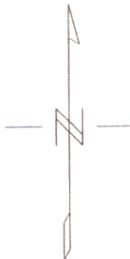
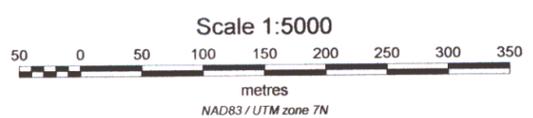
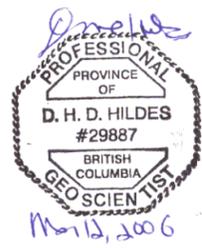


LEGEND HORIZONTAL LOOP EM

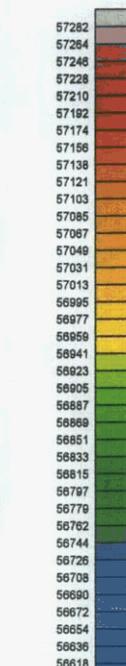
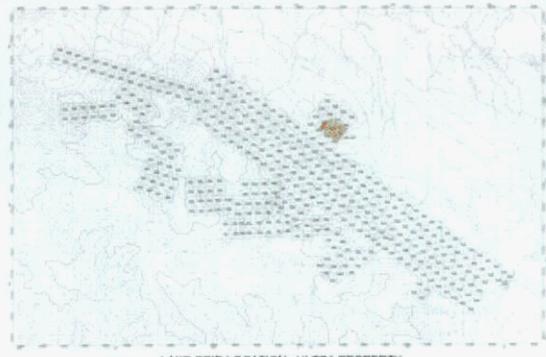
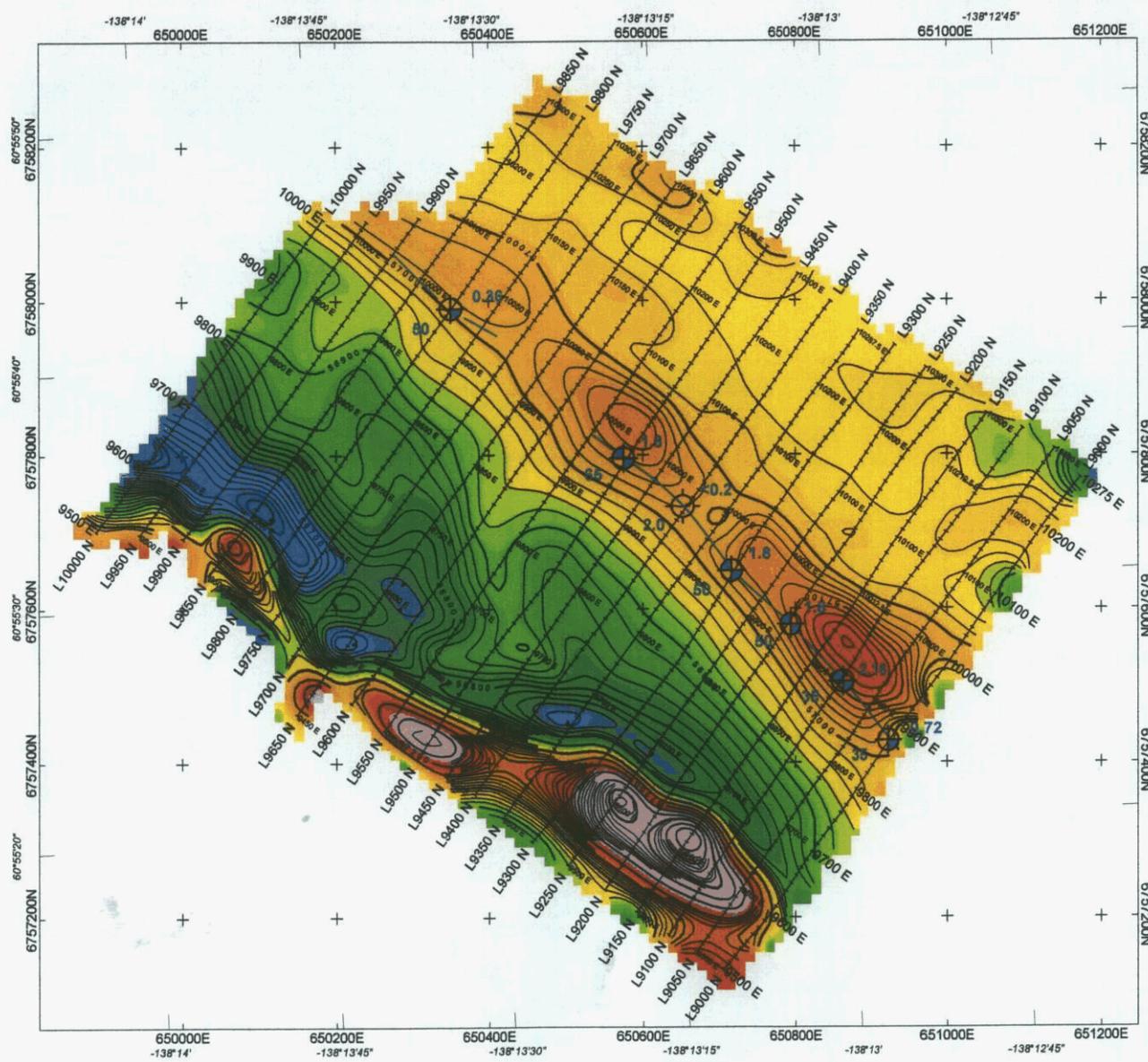
FREQUENCY : 7040 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%
 IN PHASE 7040 Hz : ————
 QUADRATURE 7040 Hz : - - - - -
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km



KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - LAKE GRID FIGURE 12 - STACKED HLEM PROFILES 100 m Coil Separation - 7040 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	



LEGEND
TOTAL FIELD MAGNETICS

CONTOUR INTERVALS (nT)

20
 100
 500

REFERENCE FIELD : 57,000 nT
 INSTRUMENT : OMNI-IV MAG
 GRIDDING ALGORITHM : GEOSOFT BIDIRECTIONAL
 BIDIRECTIONAL TREND : 145
 GRID CELL SIZE : 12.5 m
 GRID HANNING FILTER : 5 PASSES
 DATA FILE : Lake Grid Mag.gdb
 OPERATOR : TM
 STATION SEPARATION : 12.5 m
 LINE-KM SURVEYED THIS SHEET : 15.9 km

Conductance

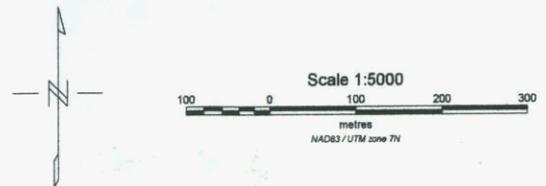
1-5 S

0.2-1.0 S

<0.2 S

Conductance (S)

Depth (m)

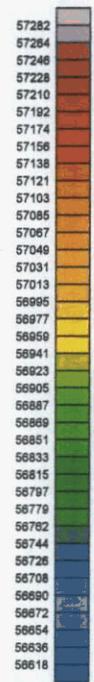
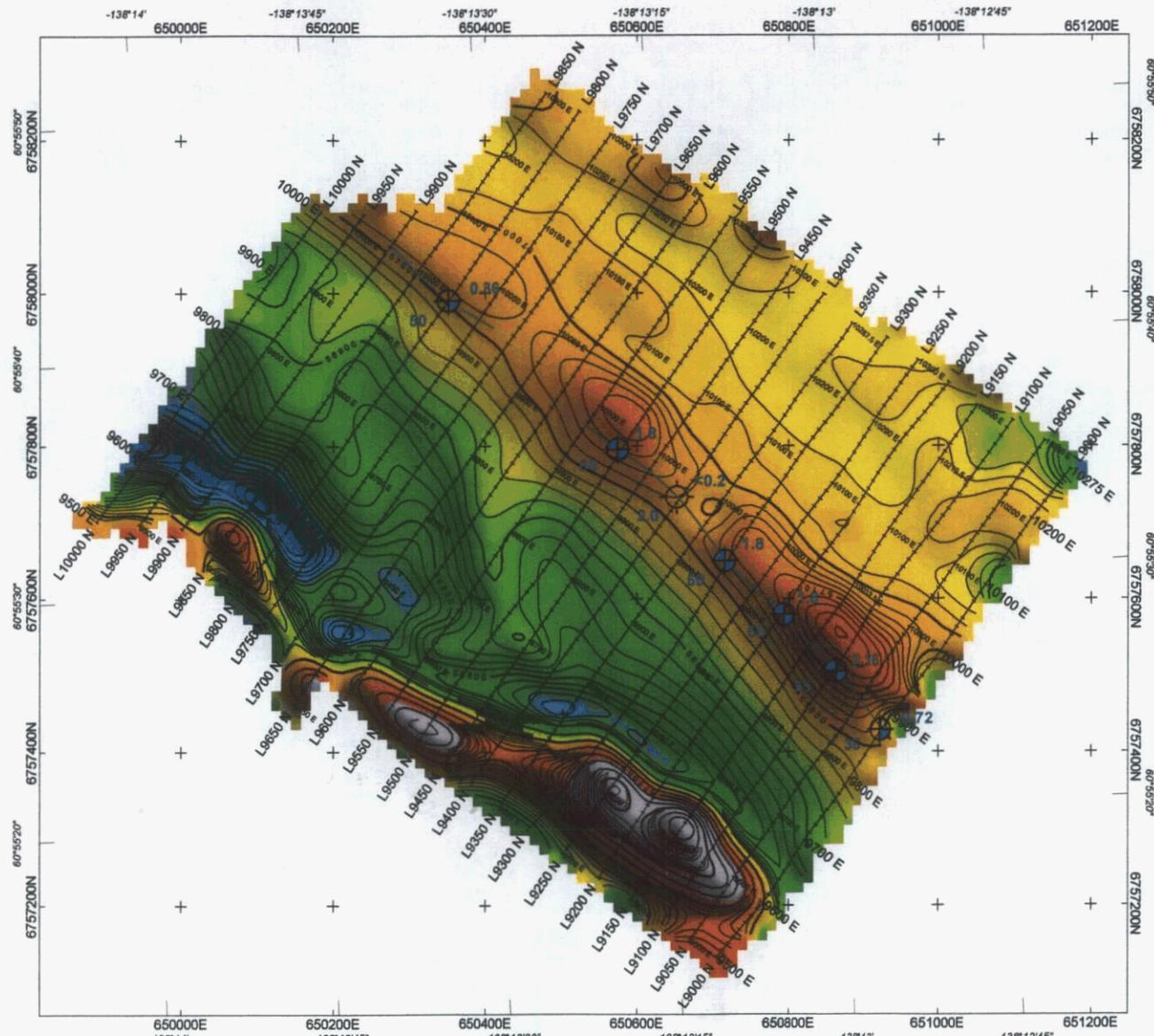


KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 06 - TOTAL MAGNETIC FIELD

NTS: 115B16 Mining District: Whitehorse
 Datum: NAD83 Projection: UTM Zone 7N
 Date: Mar 08 2006 Job: KDS-05-01-YT
 Drawn by: DH Date Surveyed: Sept 28-Oct 01, 2005

AURORA GEOSCIENCES LTD.



LEGEND
TOTAL FIELD MAGNETICS

CONTOUR INTERVALS (nT)

20

100

500

REFERENCE FIELD : 67,000 nT
 INSTRUMENT : OMNI-IV MAG
 GRIDDING ALGORITHM : GEOSFT BIDIRECTIONAL
 BIDIRECTIONAL TREND : 145
 GRID CELL SIZE : 12.5 m
 GRID HANNING FILTER : 5 PASSES
 DATA FILE : Lake Grid Mag.gdb
 OPERATOR : TM
 STATION SEPARATION : 12.5 m
 LINE-KM SURVEYED THIS SHEET : 15.9 km
 SHADING INCLINATION : 45 Deg
 SHADING DIRECTION : 055

Conductance

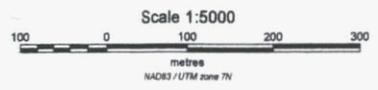
1-5 S

0.2-1.0 S

<0.2 S

Depth (m)

Conductance (S)



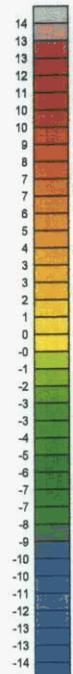
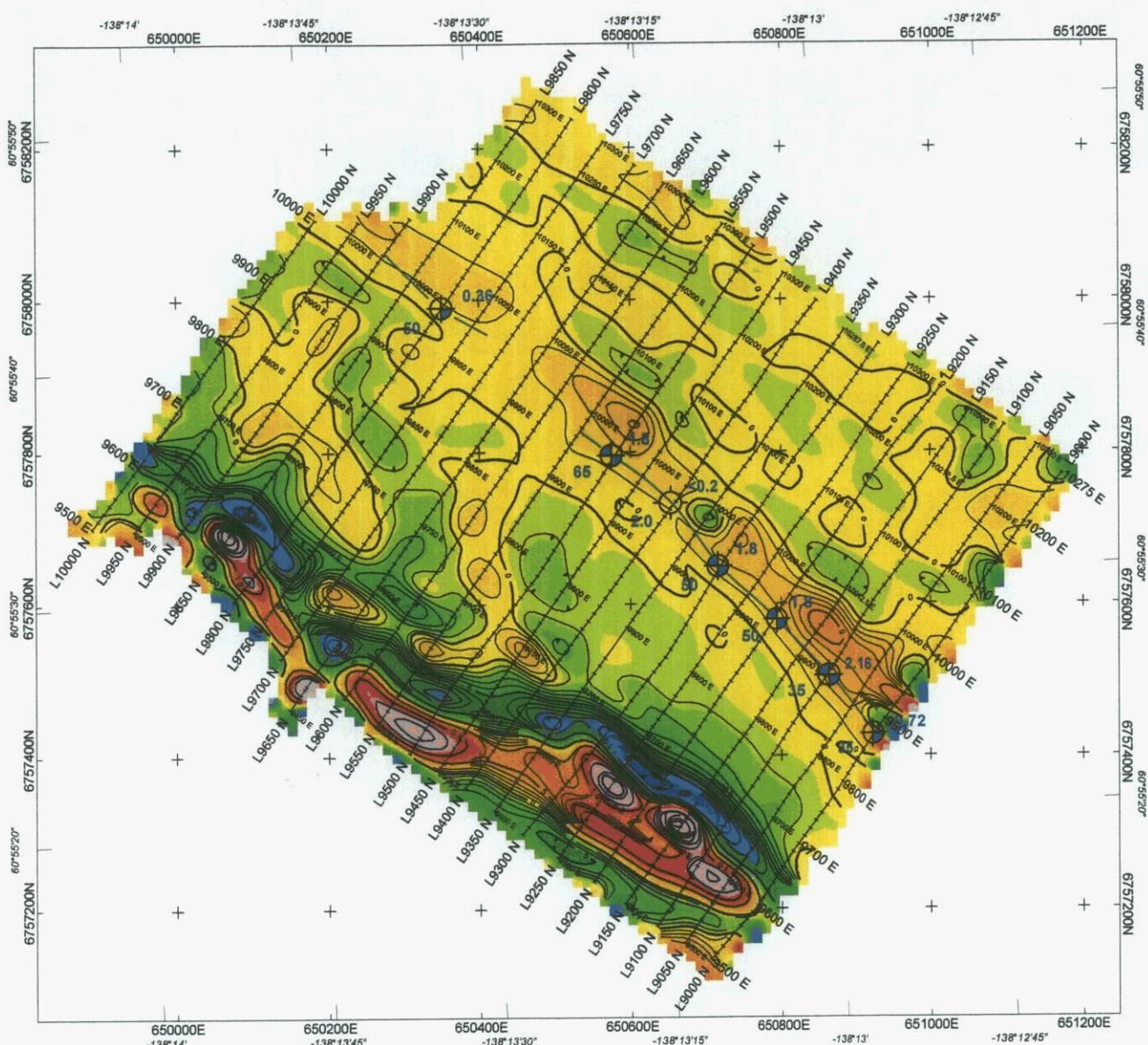
KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 07- TOTAL MAGNETIC FIELD
SHADED COLOUR CONTOUR MAP

NTS: 115B16
 Datum: NAD83
 Date: Mar 08 2006
 Drawn by: DH

Mining District: Whitehorse
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Sep 28 - Oct 01, 2005

AURORA GEOSCIENCES LTD.



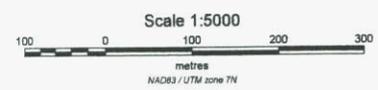
LEGEND
VERTICAL MAGNETIC GRADIENT

CONTOUR INTERVALS (nT/m)

1	5
25	

REFERENCE FIELD : 57,000 nT
 INSTRUMENT : OMNI-IV MAG
 GRIDDING ALGORITHM : GEOSOFIT BIDIRECTIONAL
 BIDIRECTIONAL TREND : 145
 GRID CELL SIZE : 12.5 m
 GRID HANNING FILTER : 3 PASSES
 DATA FILE : Lake Grid Mag.gdb
 OPERATOR : TM
 STATION SEPARATION : 12.5 m
 LINE-KM SURVEYED THIS SHEET : 15.9 km

Vertical Magnetic Gradient (nT/m)



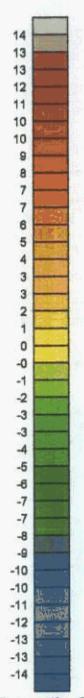
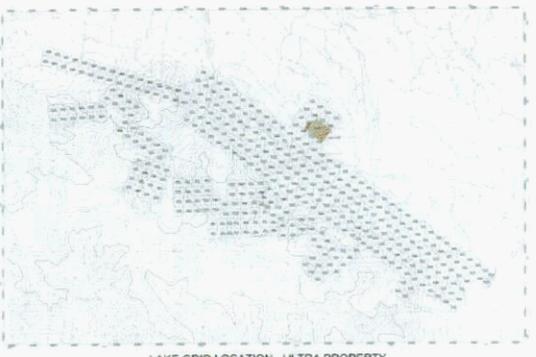
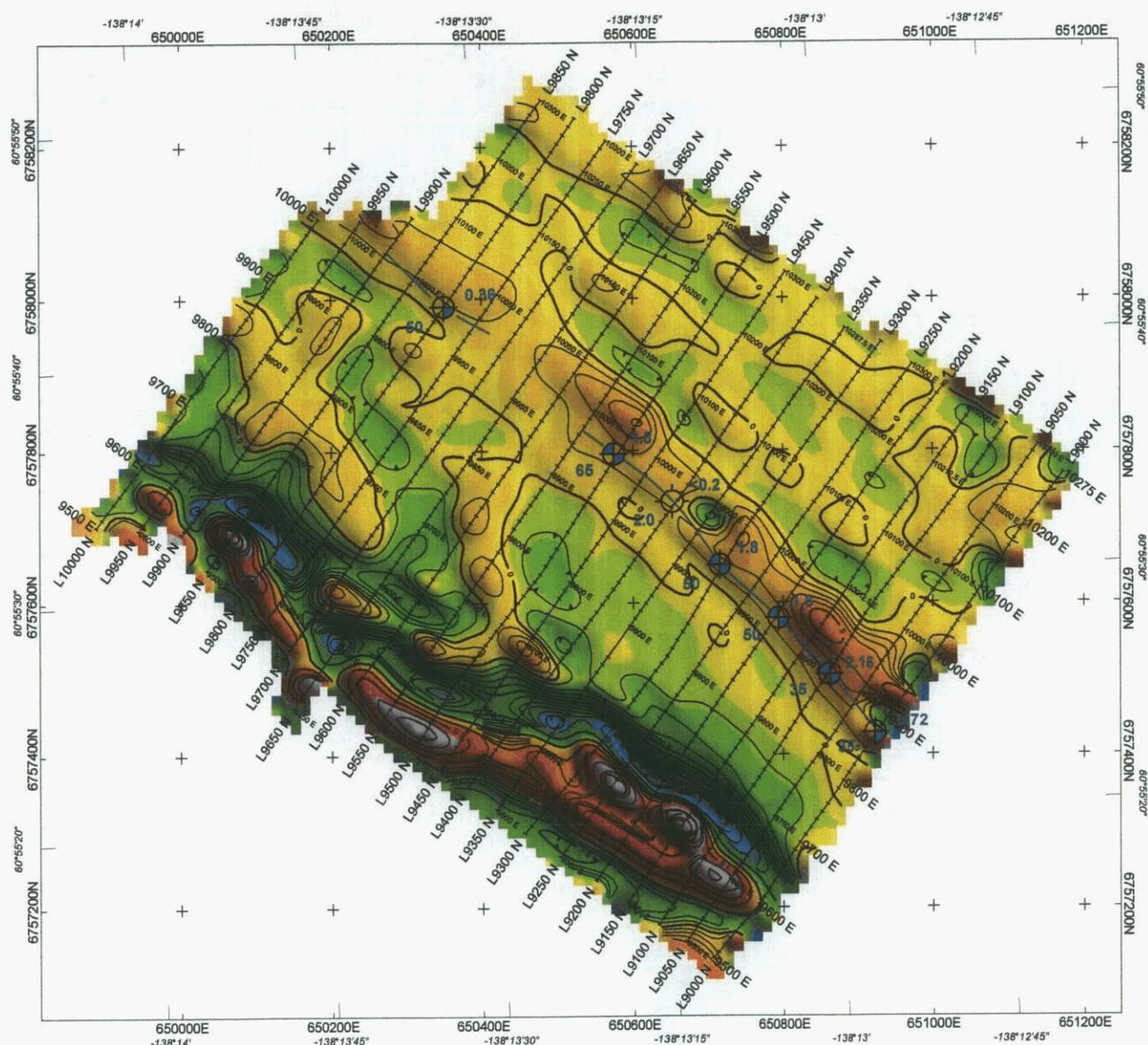
KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 08 - VERTICAL MAGNETIC GRADIENT
COLOUR CONTOUR MAP

NTS: 115B16
 Datum: NAD83
 Date: Mar 08 2006
 Drawn by: DH

Mining District: Whitehorse
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Sep 28 - Oct 01, 2005

AURORA GEOSCIENCES LTD.



LEGEND
VERTICAL MAGNETIC GRADIENT

CONTOUR INTERVALS (nT/m)

_____ 1 _____
 _____ 5 _____
 _____ 25 _____

REFERENCE FIELD : 57,000 nT
 INSTRUMENT : OMNI-IV MAG
 GRIDDING ALGORITHM : GEOSOFIT BIDIRECTIONAL
 BIDIRECTIONAL TREND : 145
 GRID CELL SIZE : 12.5 m
 GRID HANNING FILTER : 3 PASSES
 DATA FILE : Lake Grid Mag.gdb
 OPERATOR : TM
 STATION SEPARATION : 12.5 m
 LINE-KM SURVEYED THIS SHEET : 15.9 km
 SHADING INCLINATION : 45 Deg
 SHADING DIRECTION : 055

Conductance

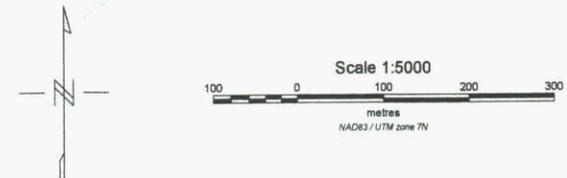
1-5 S

0.2-1.0 S

<0.2 S

Depth (m)

Conductance (S)



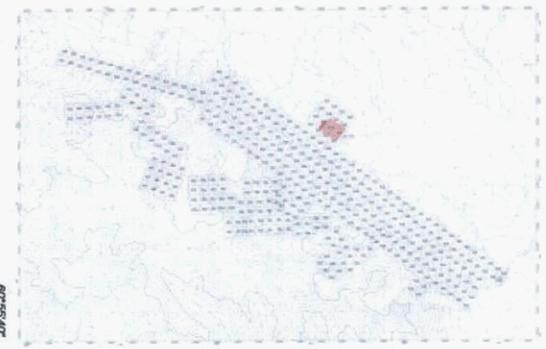
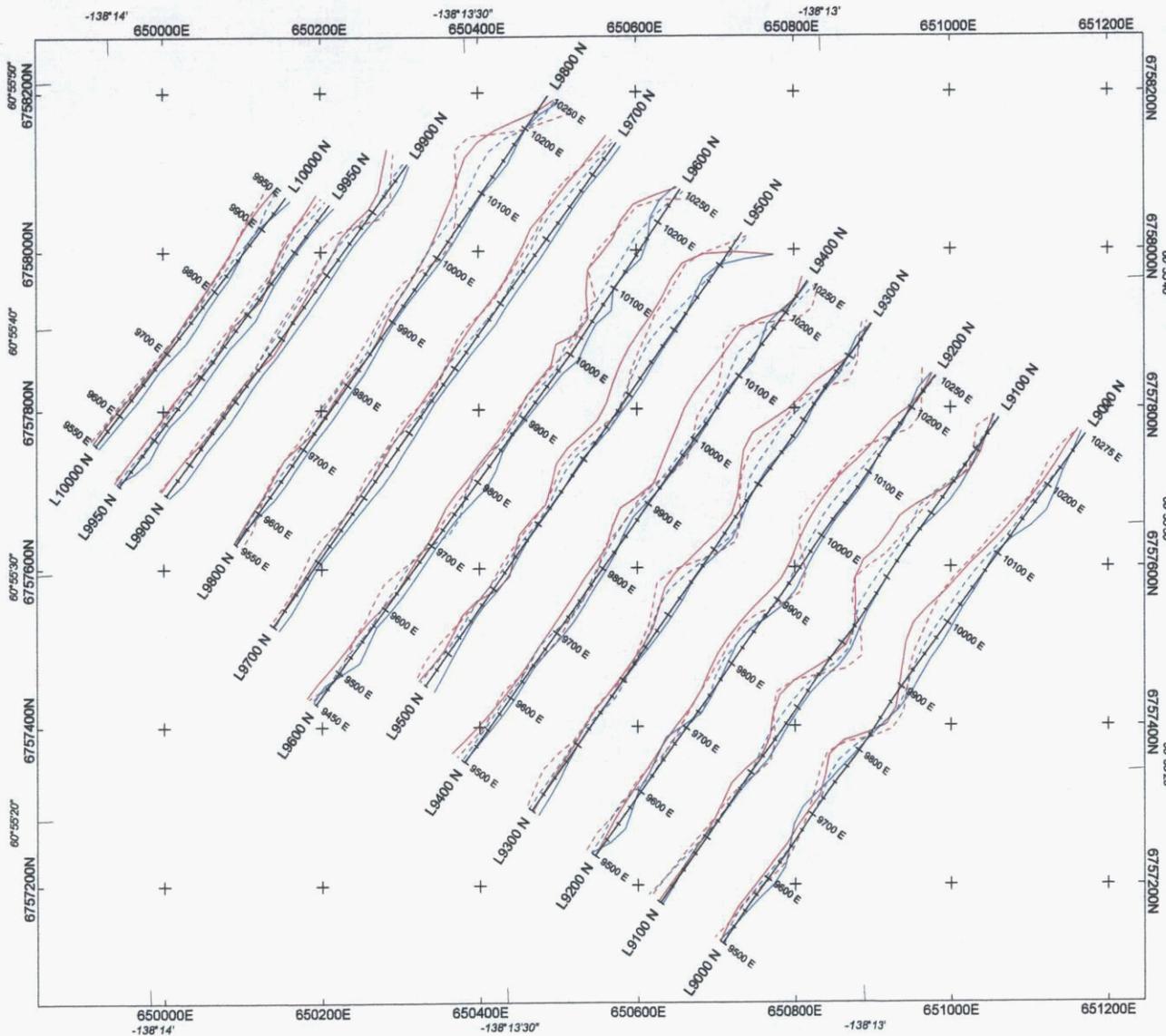
KIONDIKER STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 09 - VERTICAL MAGNETIC GRADIENT
SHADED COLOUR CONTOUR MAP

NTS: 115B16
 Datum: NAD83
 Date: Mar 08 2006
 Drawn by: DH

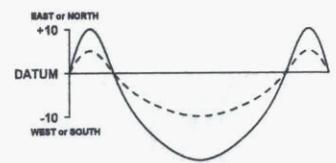
Mining District: Whitehorse
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Sep 28 - Oct 01, 2005

AURORA GEOSCIENCES LTD.

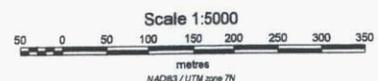


LEGEND
HORIZONTAL LOOP EM

FREQUENCY : 220 and 1760 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%
 IN PHASE 220Hz : ——— (solid blue line)
 IN PHASE 1760Hz : ——— (solid red line)
 QUADRATURE 220Hz : - - - - (dashed blue line)
 QUADRATURE 1760 Hz : - - - - (dashed red line)
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km

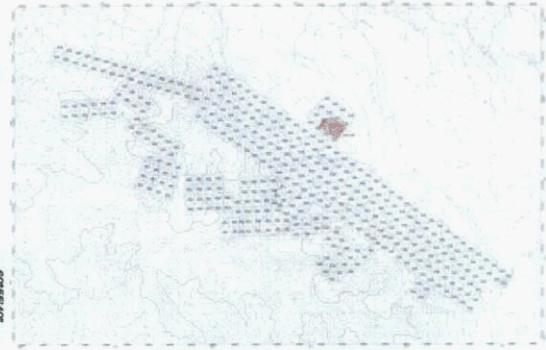
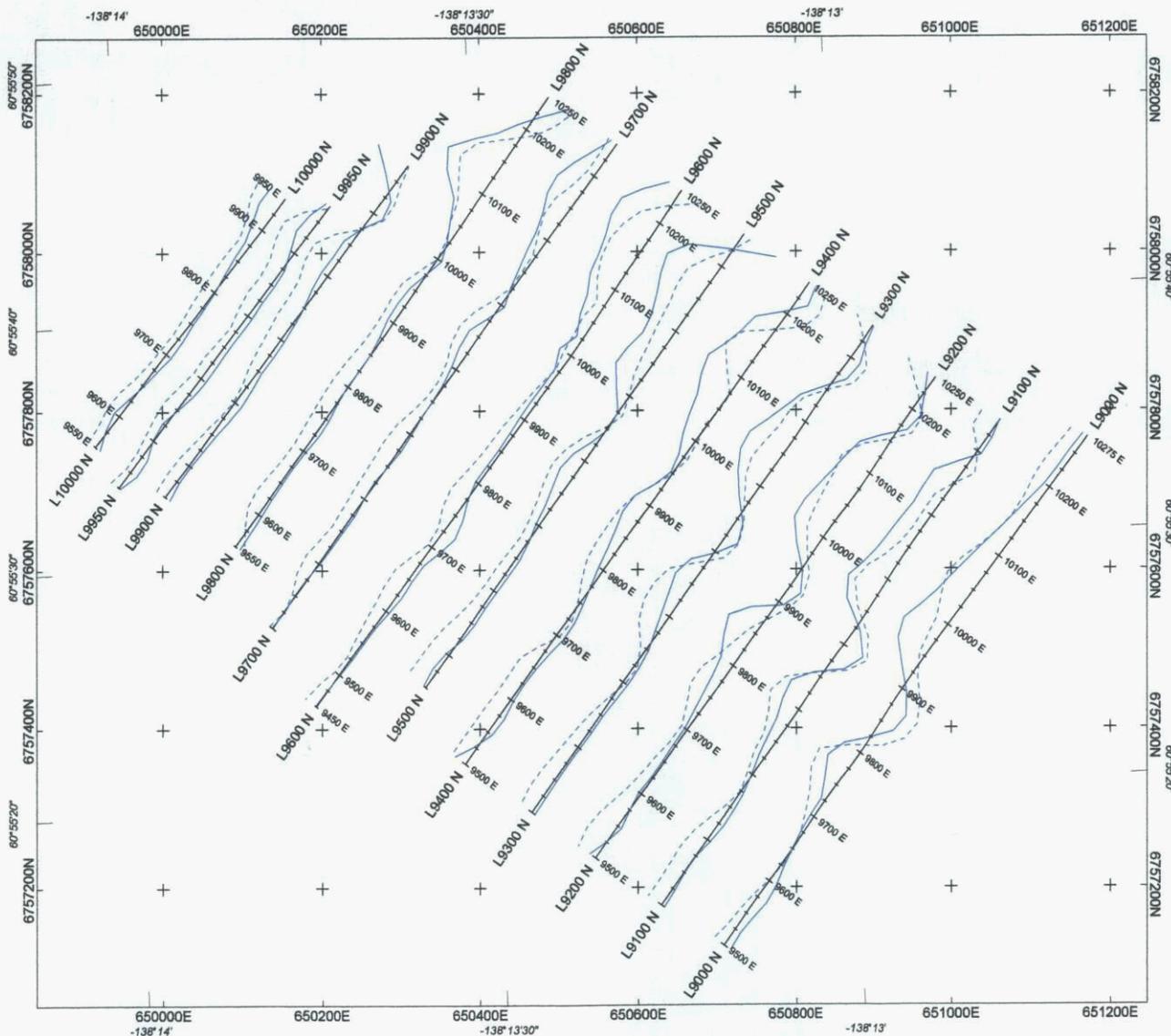


KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID
FIGURE 10 - STACKED HLEM PROFILES
100 m Coil Separation - 220 Hz and 1760 Hz

NTS: 115B16 Mining District: Whitehorse, YT
 Datum: NAD83 Projection: UTM Zone 7N
 Date: Mar 10 2006 Job: KDS-05-01-YT
 Drawn by: DH Date surveyed: Oct 23 - 29, 2005

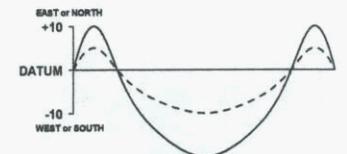
AURORA GEOSCIENCES LTD.



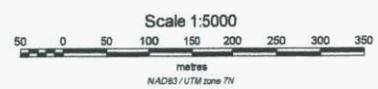
LAKE GRID LOCATION - ULTRA PROPERTY

LEGEND HORIZONTAL LOOP EM

FREQUENCY : 3520 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%
 IN PHASE 3520Hz : 
 QUADRATURE 3520Hz : 
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 8%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km

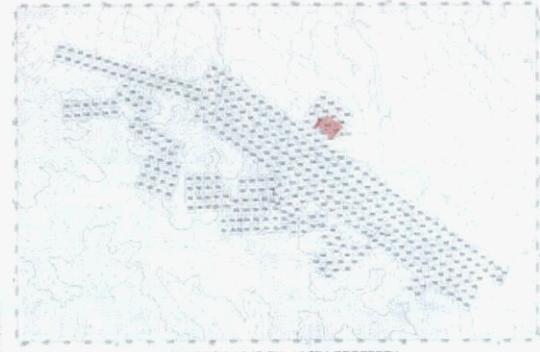
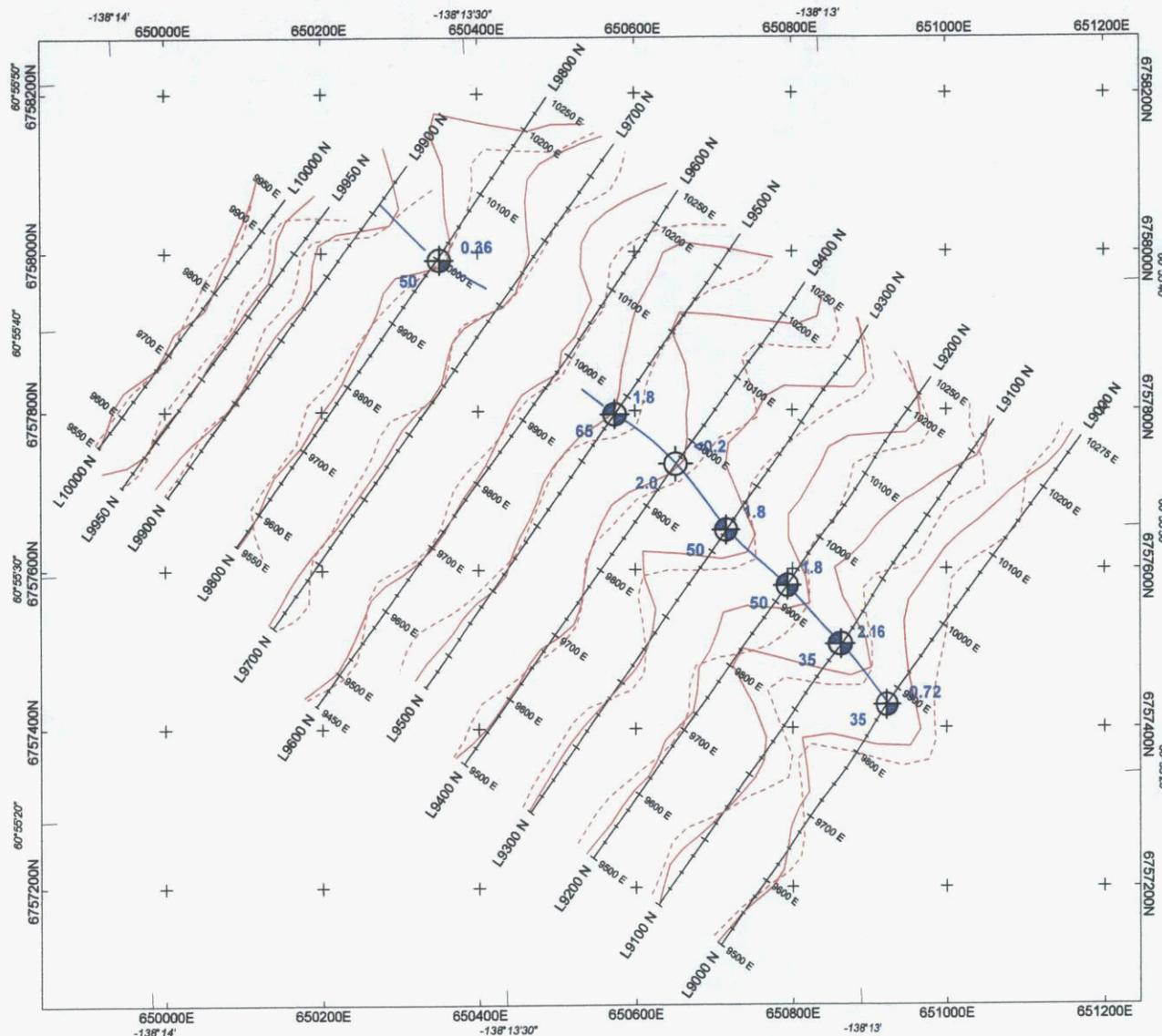


KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID FIGURE 11 - STACKED HLEM PROFILES 100 m Coil Separation - 3520 Hz

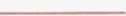
NTS: 115B16 Mining District: Whitehorse, YT
 Datum: NAD83 Projection: UTM Zone 7N
 Date: Mar 10 2006 Job: KDS-05-01-YT
 Drawn by: DH Date surveyed: Oct 23 - 29, 2005

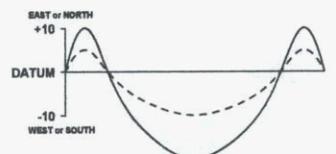
AURORA GEOSCIENCES LTD.



LAKE GRID LOCATION - ULTRA PROPERTY

LEGEND HORIZONTAL LOOP EM

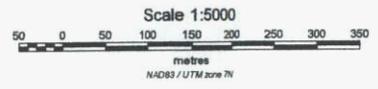
FREQUENCY : 7040 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%
 IN PHASE 7040 Hz : 
 QUADRATURE 7040 Hz : 
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km

Conductance
 1-5 S 
 0.2-1.0 S 
 <0.2 S 

Conductance (S) 
 Depth (m) 



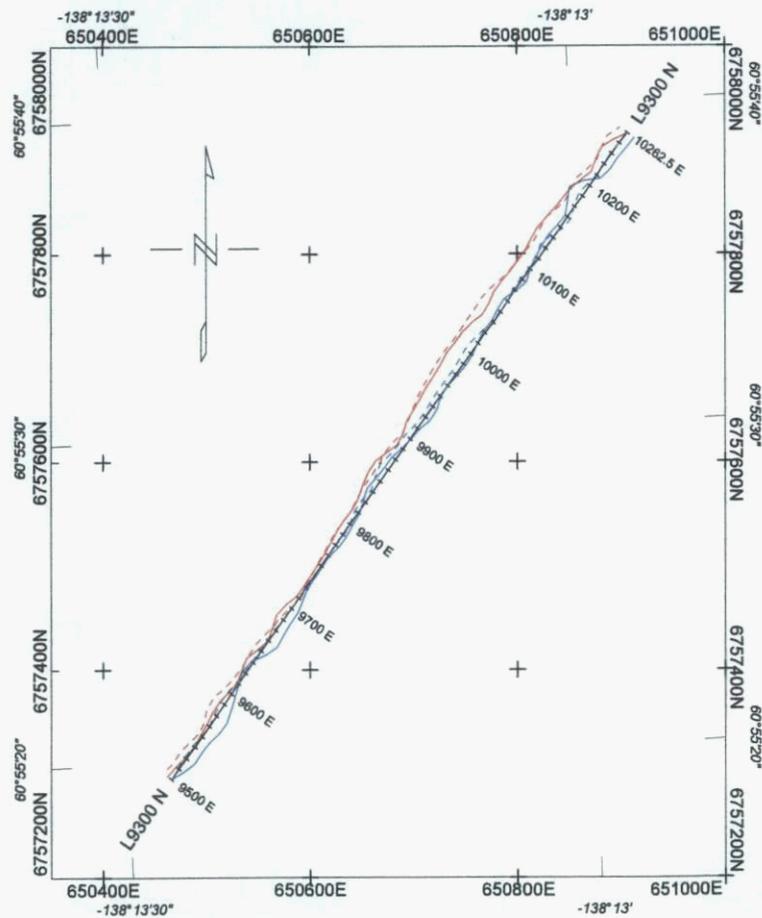
KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID FIGURE 12 - STACKED HLEM PROFILES 100 m Coil Separation - 7040 Hz

NTS: 115B16
 Datum: NAD83
 Date: Mar 10 2006
 Drawn by: DH

Mining District: Whitehorse, YT
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Oct 23 - 29, 2005

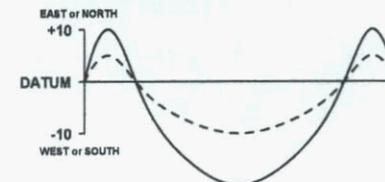
AURORA GEOSCIENCES LTD.



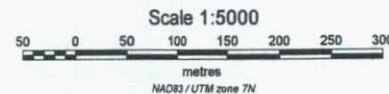
LEGEND HORIZONTAL LOOP EM

FREQUENCY : 220 and 3520 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%

IN PHASE 220Hz : ————
 IN PHASE 3520Hz : ————
 QUADRATURE 220Hz : - - - - -
 QUADRATURE 3520 Hz : - - - - -
 COIL SEPARATION : 50 m



IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_50m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 12.5m
 LINE-KM SURVEYED THIS SHEET : 762.5 m



KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - LAKE GRID FIGURE 13 - STACKED HLEM PROFILES 50 m Coil Separation - 220 Hz and 3520 Hz

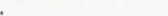
NTS: 115B16
 Datum: NAD83
 Date: Mar 10 2006
 Drawn by: DH

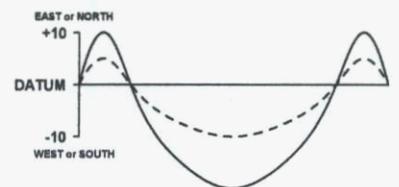
Mining District: Whitehorse, YT
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Oct 23 - 29, 2005

AURORA GEOSCIENCES LTD.

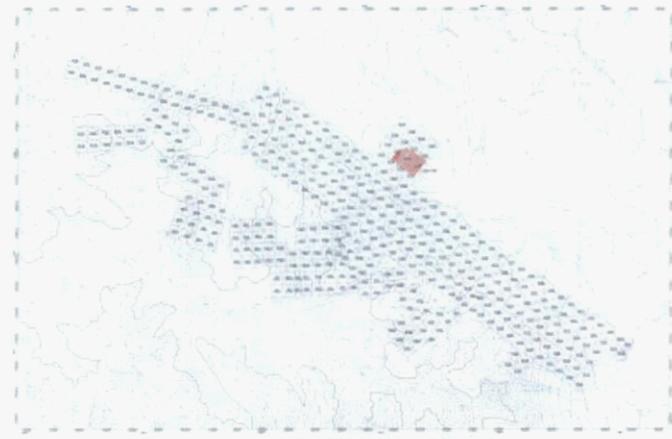
LEGEND HORIZONTAL LOOP EM

FREQUENCY : 7040 and 14080 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%

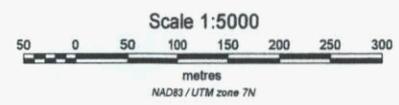
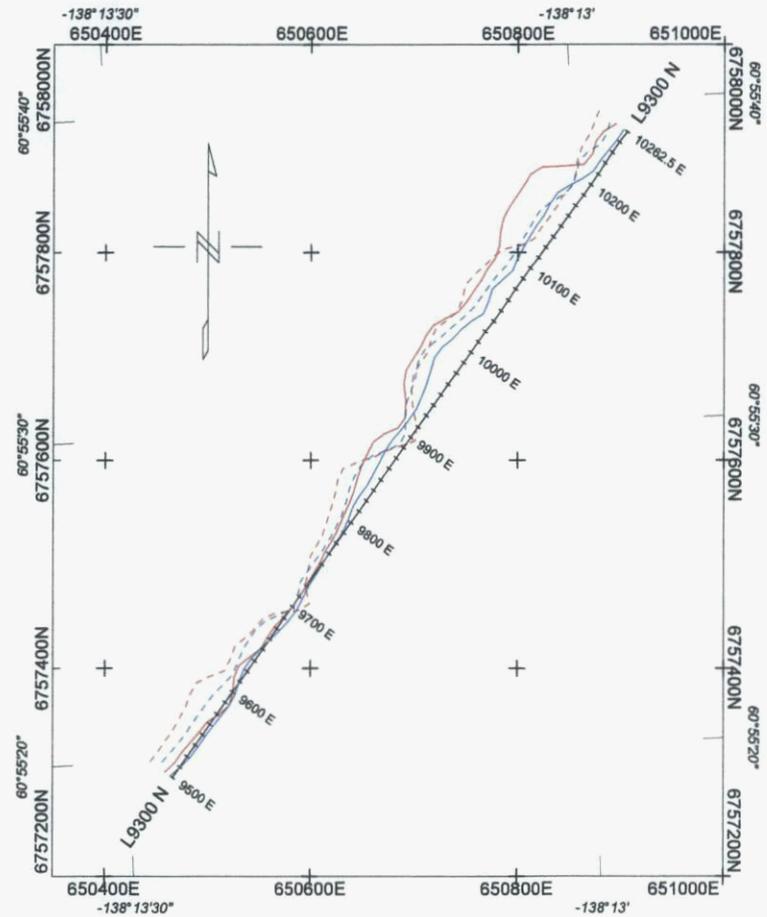
IN PHASE 7040 Hz : 
 IN PHASE 14080 Hz : 
 QUADRATURE 7040 Hz : 
 QUADRATURE 14080 Hz : 
 COIL SEPARATION : 50 m



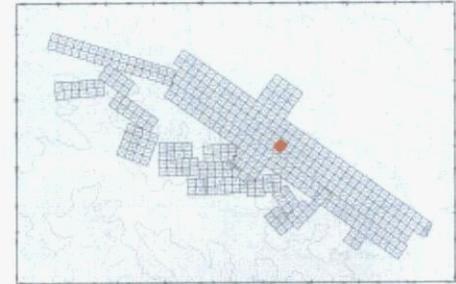
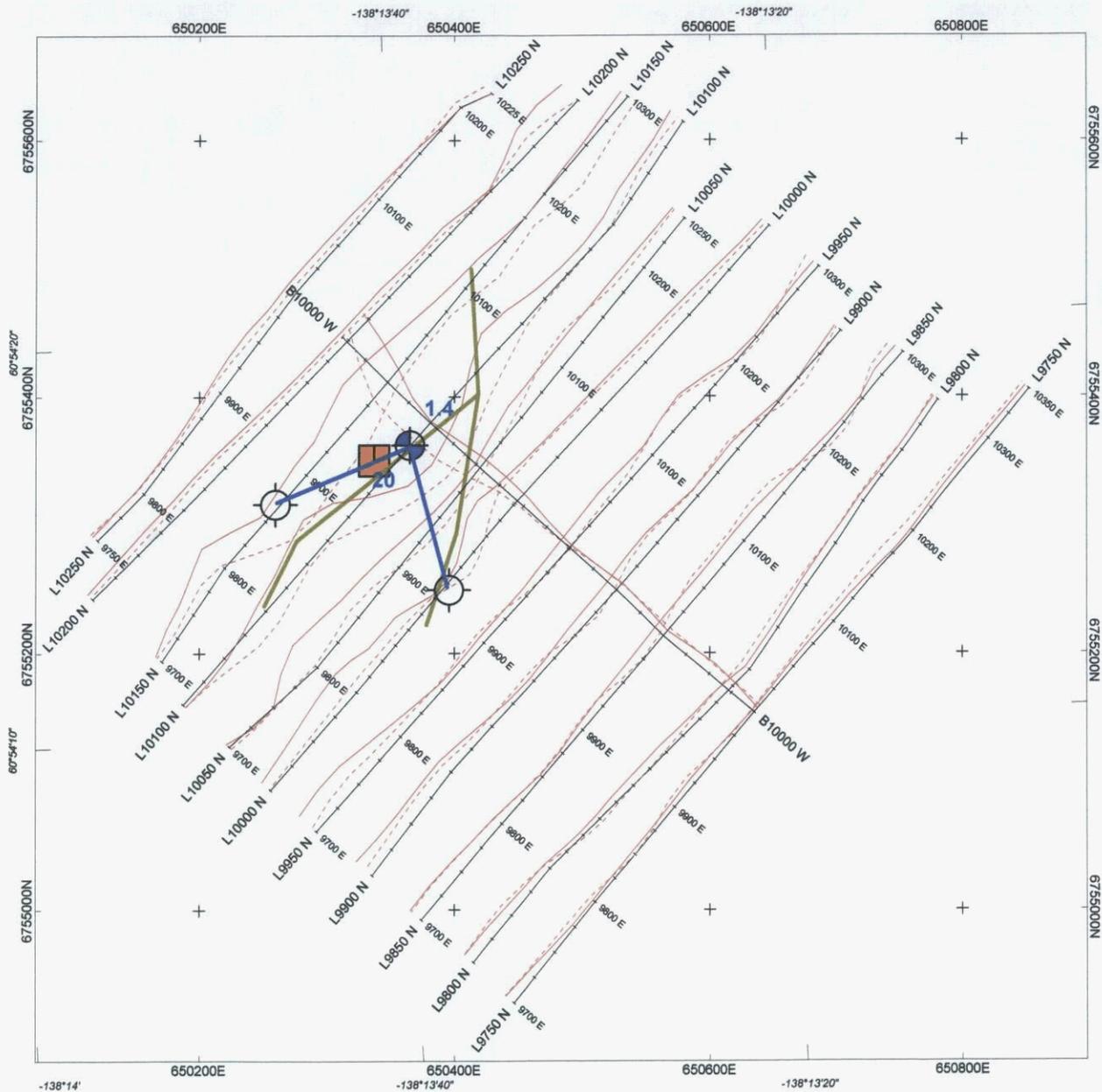
IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_50m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 12.5m
 LINE-KM SURVEYED THIS SHEET : 762.5 m



LAKE GRID LOCATION - ULTRA PROPERTY



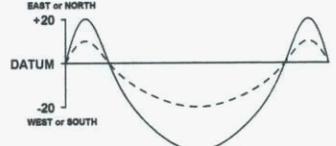
KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - LAKE GRID	
FIGURE 14 - STACKED HLEM PROFILES	
50 m Coil Separation - 7040 Hz and 14080 Hz	
NTS: 115B16	Mining District: Whitehorse, YT
Datum: NAD83	Projection: UTM Zone 7N
Date: Mar 10 2006	Job: KDS-05-01-YT
Drawn by: DH	Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	



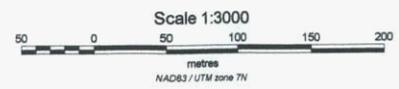
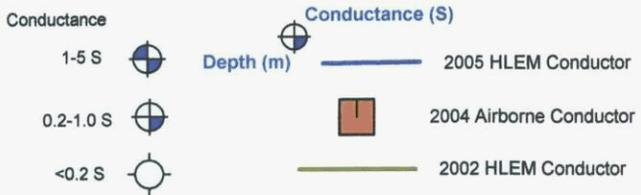
REDBALL GRID LOCATION - ULTRA PROPERTY

LEGEND HORIZONTAL LOOP EM

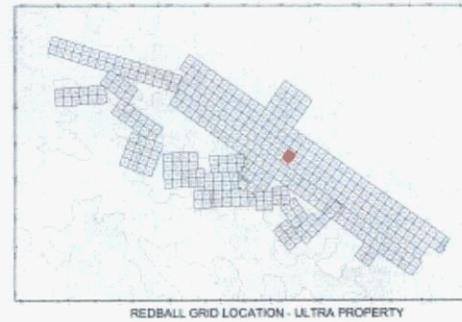
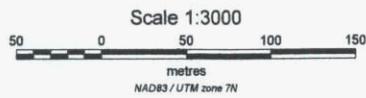
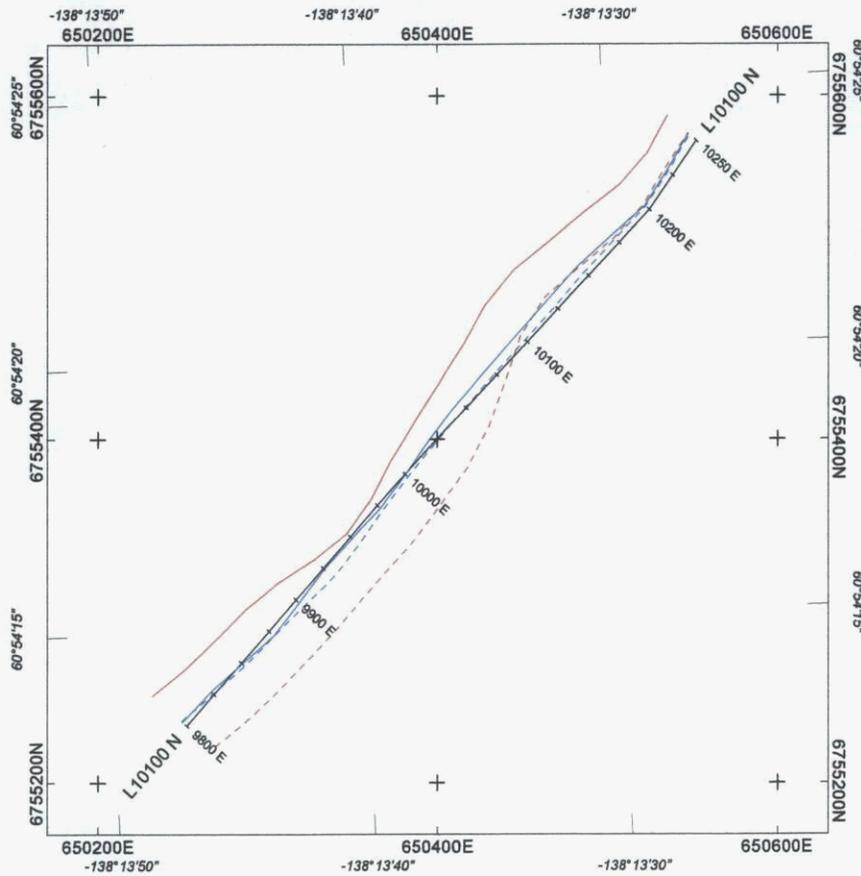
FREQUENCY : 7040 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%
 IN PHASE 7040 Hz : ————
 QUADRATURE 7040 Hz : - - - - -
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : RedballGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km



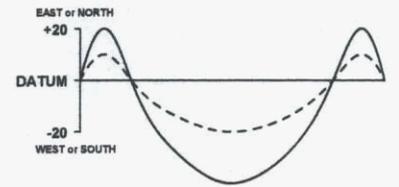
KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - REDBALL GRID	
FIGURE 17 - STACKED HLEM PROFILES	
100 m Coil Separation - 7040 Hz	
NTS: 115B16	Mining District: Whitehorse, YT
Datum: NAD83	Projection: UTM Zone 7N
Date: May 11 2006	Job: KDS-05-01-YT
Drawn by: DH	Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	



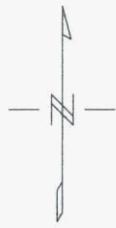
LEGEND HORIZONTAL LOOP EM

FREQUENCY : 220 and 1760 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%

IN PHASE 220Hz : ——— (solid blue line)
 IN PHASE 1760Hz : ——— (solid red line)
 QUADRATURE 220Hz : - - - - (dashed blue line)
 QUADRATURE 1760 Hz : - - - - (dashed red line)
 COIL SEPARATION : 150 m



IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 450 m

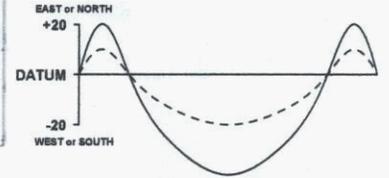


KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - REDBALL GRID FIGURE 18 - STACKED HLEM PROFILES 150 m Coil Separation - 220 and 1760 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	

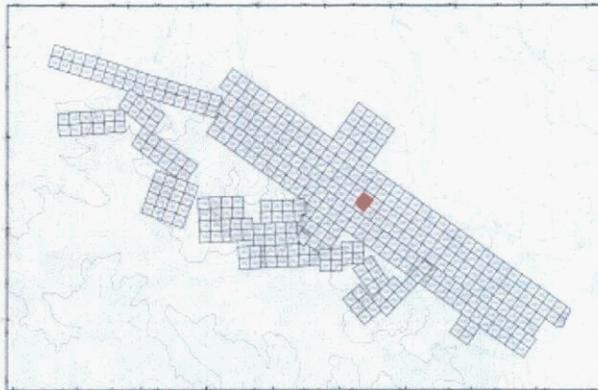
LEGEND HORIZONTAL LOOP EM

FREQUENCY : 3520 and 7040 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%

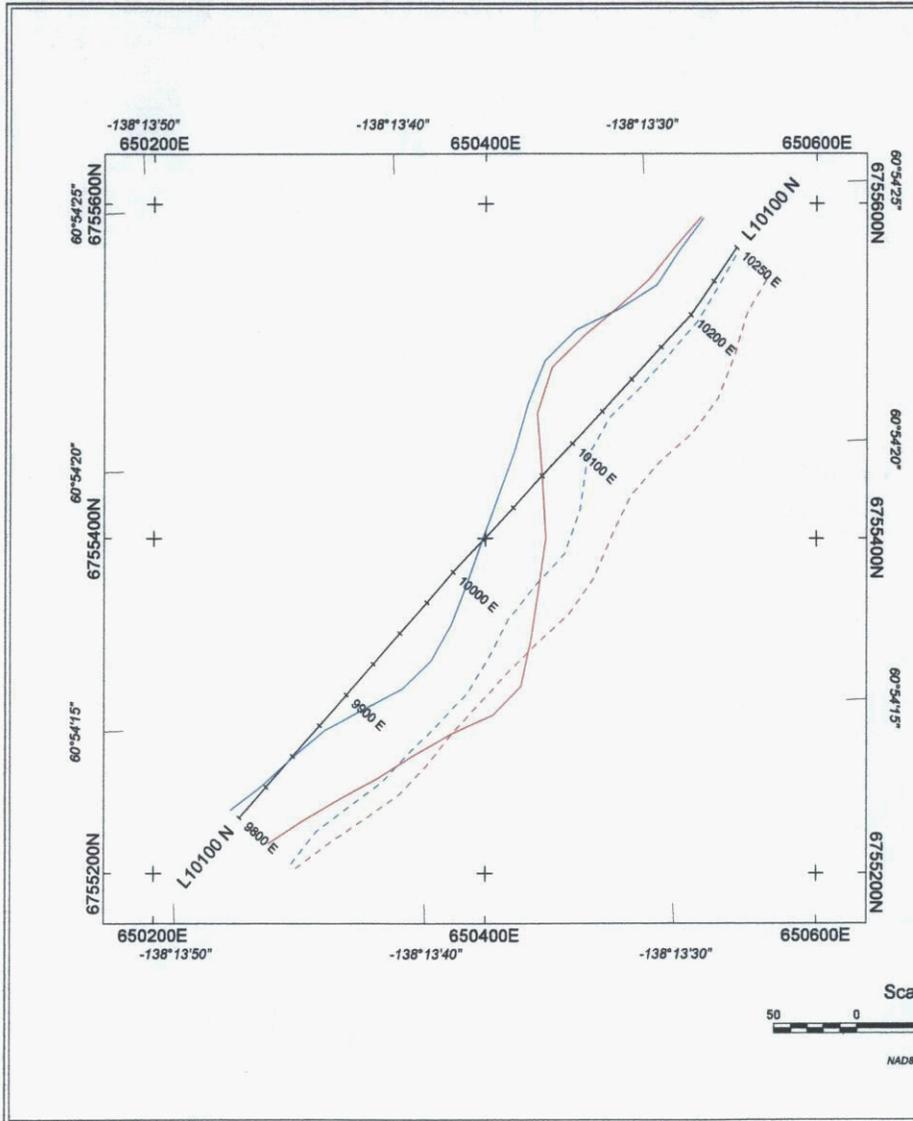
IN PHASE 3520 Hz : 
 IN PHASE 7040 Hz : 
 QUADRATURE 3520 Hz : 
 QUADRATURE 7040 Hz : 
 COIL SEPARATION : 150 m



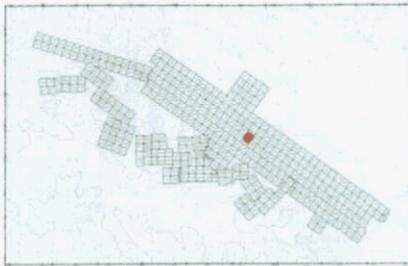
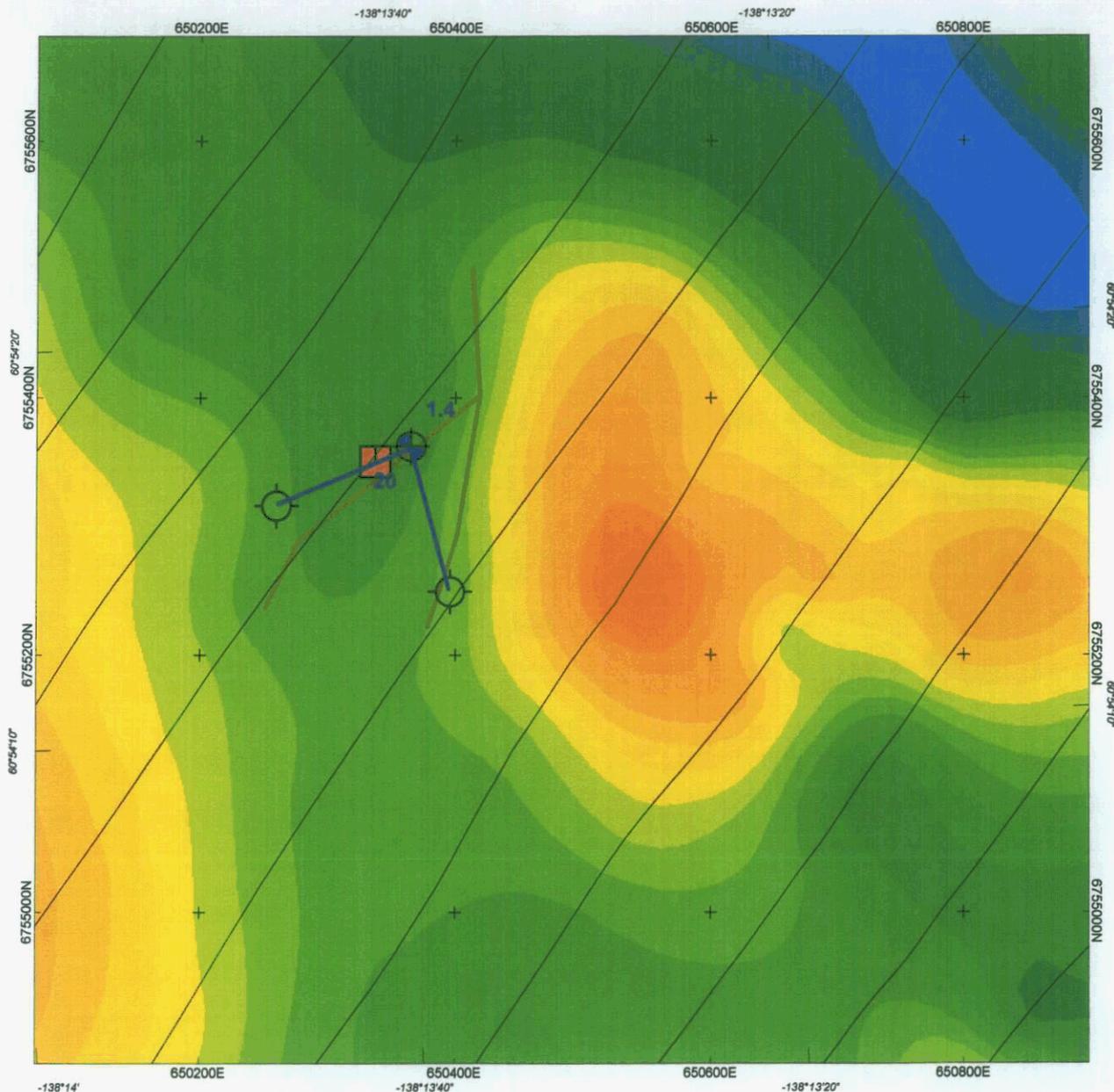
IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : RedballGrid_150m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 450 m



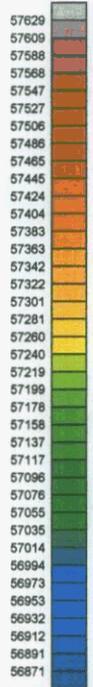
REDBALL GRID LOCATION - ULTRA PROPERTY



KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - REDBALL GRID FIGURE 19 - STACKED HLEM PROFILES 150 m Coil Separation - 3520 and 7040 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	

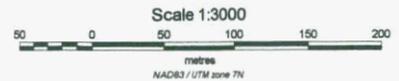
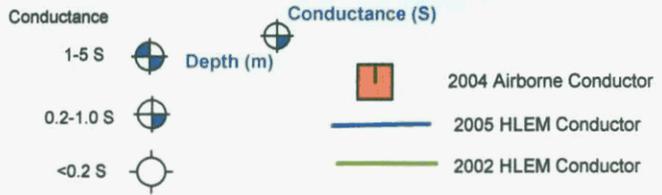


REDBALL GRID LOCATION - ULTRA PROPERTY



Total magnetic field data from McPhar 2004 airborne survey.
Flight lines shown on map.

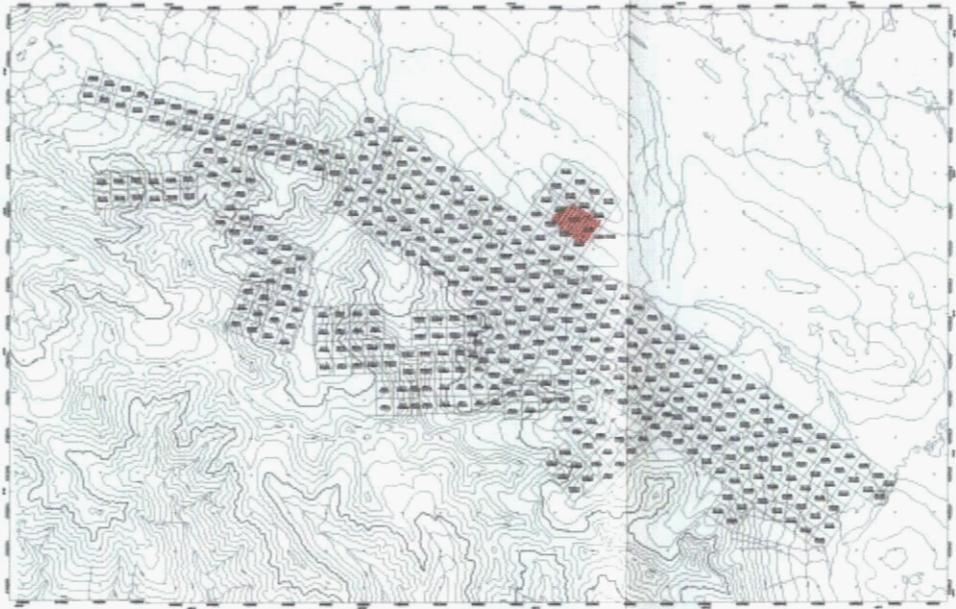
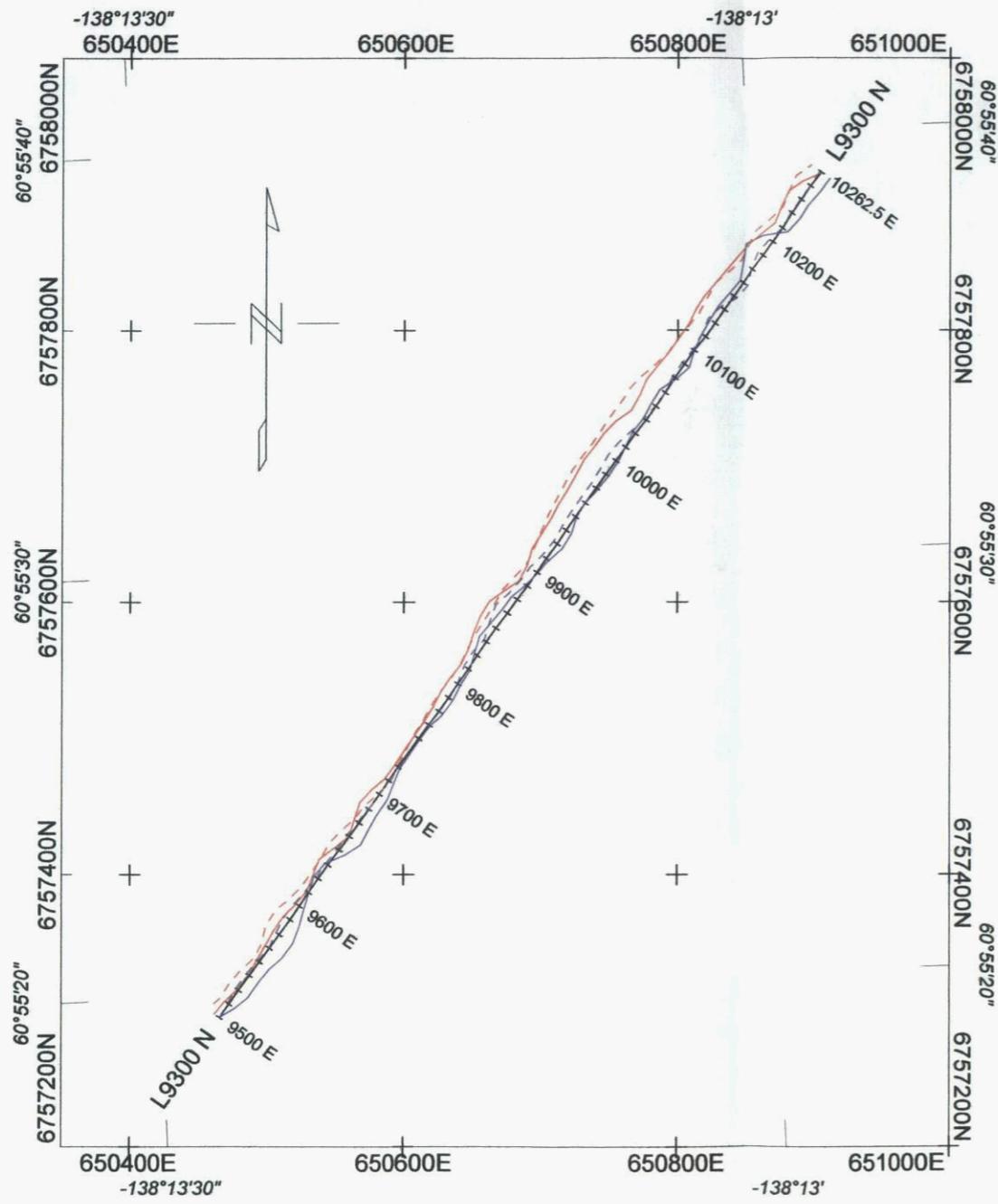
Total Magnetic Field (nT)



KLONDIKE STAR MINERAL CORP.
ULTRA PROPERTY - REDBALL GRID
FIGURE 20 - TOTAL MAGNETIC FIELD
COLOUR CONTOUR MAP WITH HLEM CONDUCTORS

NTS: 115B16 Mining District: Whitehorse, YT
Datum: NAD83 Projection: UTM Zone 7N
Date: May 11 2006 Job: KDS-05-01-YT
Drawn by: DH Date surveyed: Oct 23 - 29, 2005

AURORA GEOSCIENCES LTD.



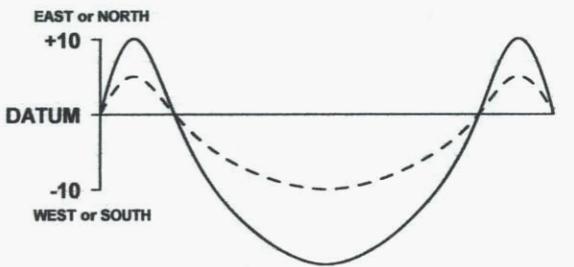
LAKE GRID LOCATION - ULTRA PROPERTY

LEGEND

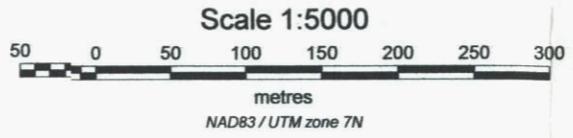
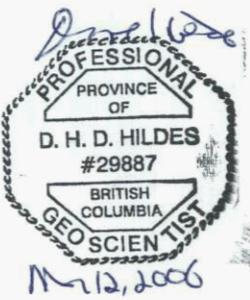
HORIZONTAL LOOP EM

FREQUENCY : 220 and 3520 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%

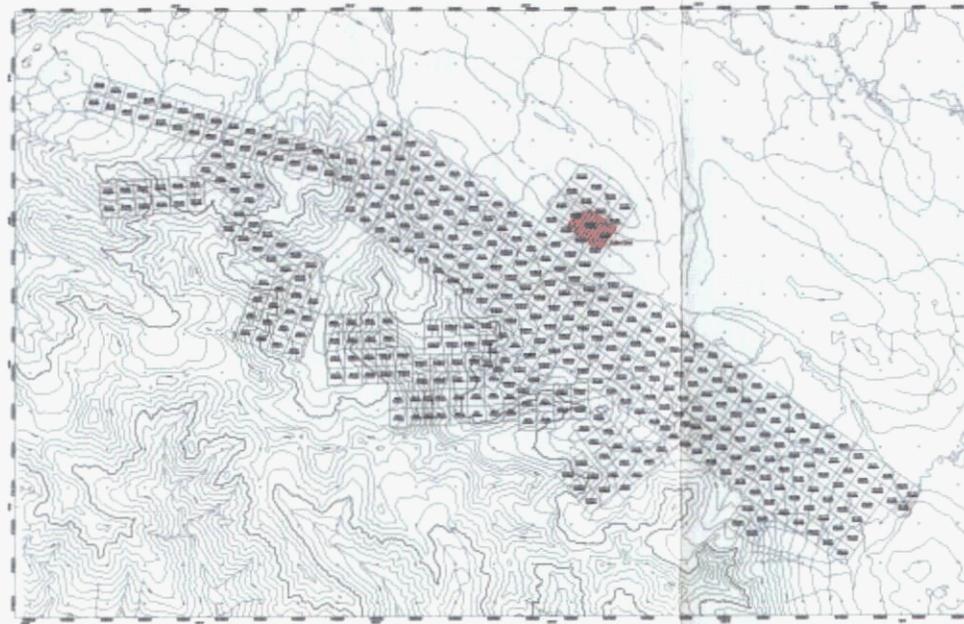
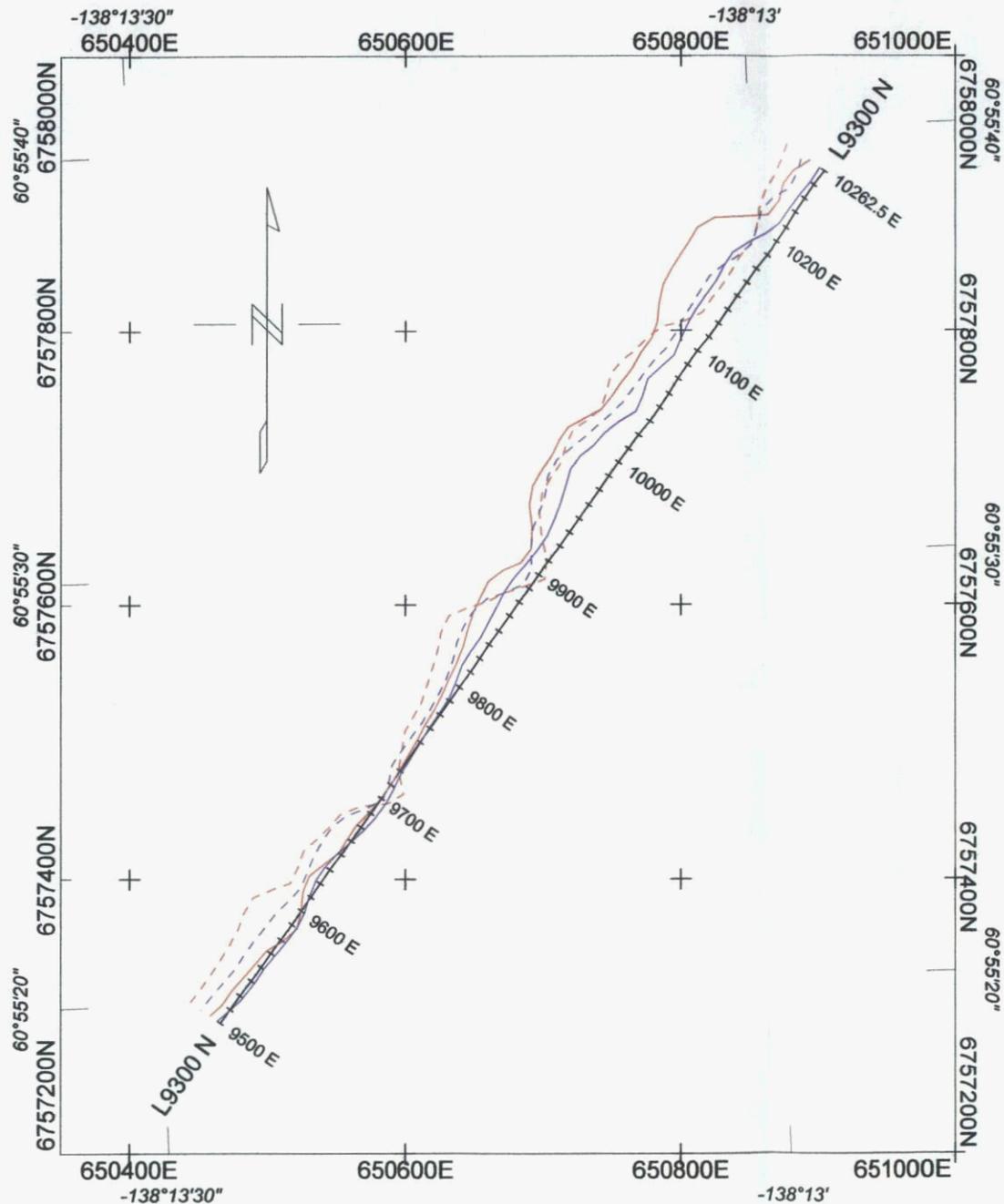
IN PHASE 220Hz : _____
 IN PHASE 3520Hz : _____
 QUADRATURE 220Hz : - - - - -
 QUADRATURE 3520 Hz : - - - - -
 COIL SEPARATION : 50 m



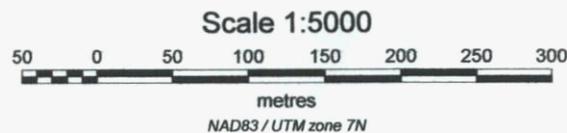
IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_50m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 12.5m
 LINE-KM SURVEYED THIS SHEET : 762.5 m



KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - LAKE GRID	
FIGURE 13 - STACKED HLEM PROFILES	
50 m Coil Separation - 220 Hz and 3520 Hz	
NTS: 115B16	Mining District: Whitehorse, YT
Datum: NAD83	Projection: UTM Zone 7N
Date: Mar 10 2006	Job: KDS-05-01-YT
Drawn by: DH	Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	



LAKE GRID LOCATION - ULTRA PROPERTY



LEGEND

HORIZONTAL LOOP EM

FREQUENCY : 7040 and 14080 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%

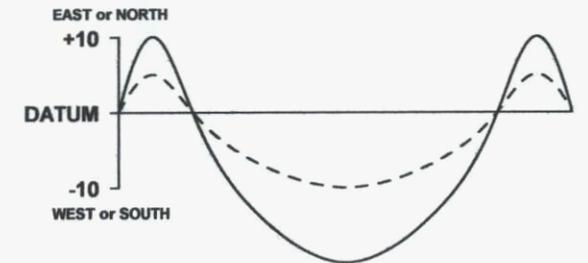
IN PHASE 7040 Hz :

IN PHASE 14080 Hz :

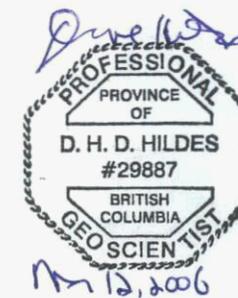
QUADRATURE 7040 Hz :

QUADRATURE 14080 Hz :

COIL SEPARATION : 50 m

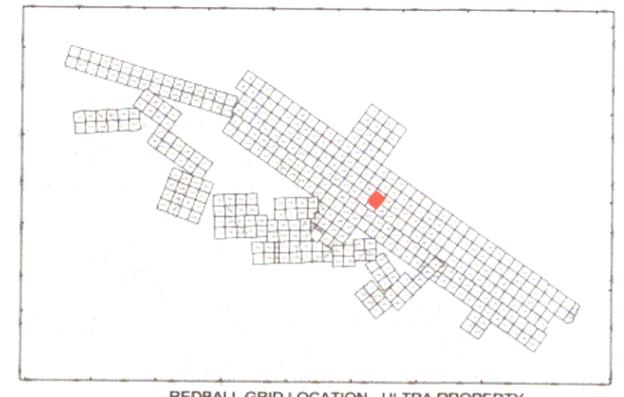
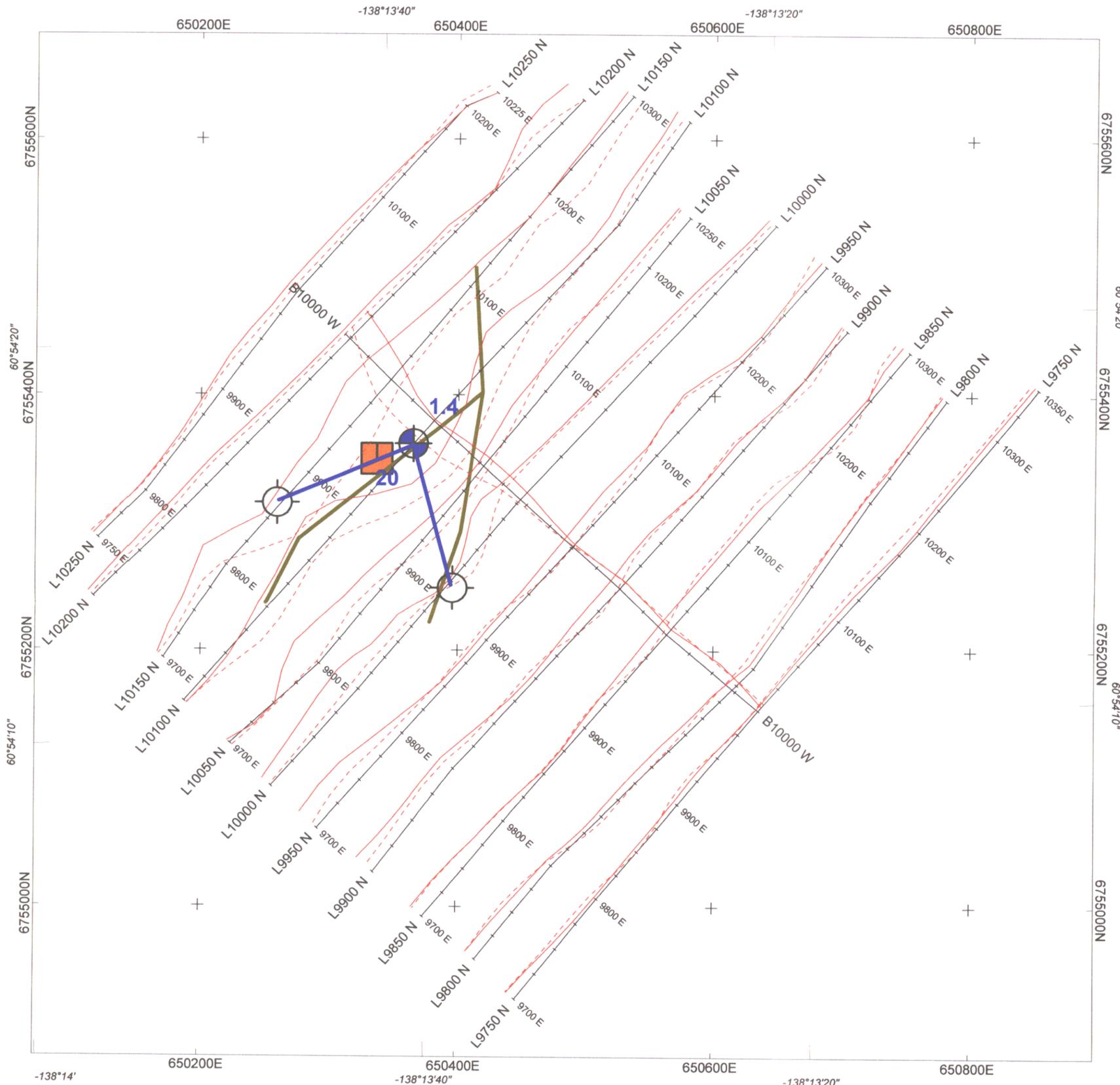


IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_50m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 12.5m
 LINE-KM SURVEYED THIS SHEET : 762.5 m

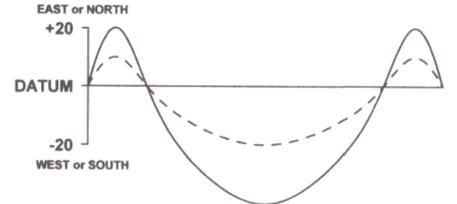


KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - LAKE GRID	
FIGURE 14 - STACKED HLEM PROFILES	
50 m Coil Separation - 7040 Hz and 14080 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005

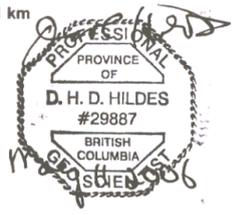
AURORA GEOSCIENCES LTD.



LEGEND
HORIZONTAL LOOP EM
 FREQUENCY : 7040 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%
 IN PHASE 7040 Hz : ————
 QUADRATURE 7040 Hz : - - - -
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : RedballGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km



Conductance

1-5 S

0.2-1.0 S

<0.2 S

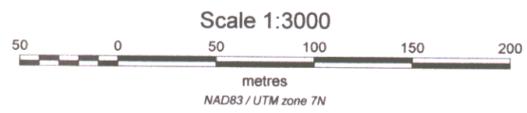
Conductance (S)

Depth (m)

2005 HLEM Conductor

2004 Airborne Conductor

2002 HLEM Conductor



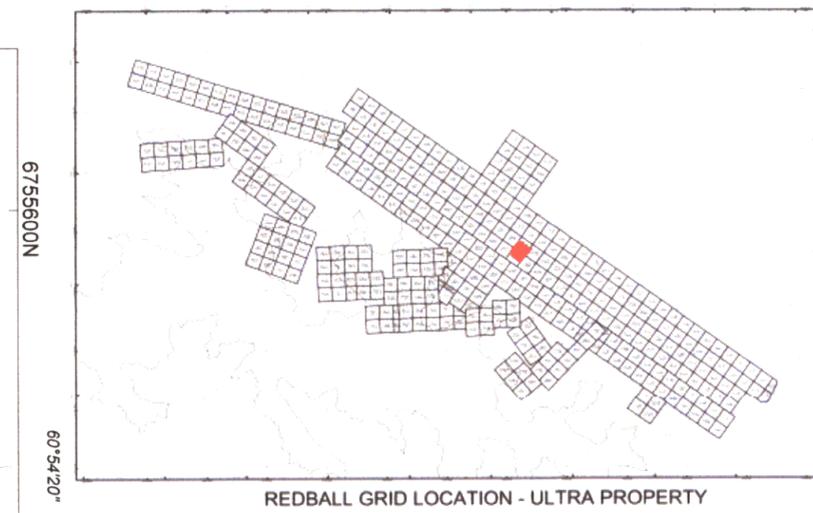
KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - REDBALL GRID
FIGURE 17 - STACKED HLEM PROFILES
100 m Coil Separation - 7040 Hz

NTS: 115B16
 Datum: NAD83
 Date: May 11 2006
 Drawn by: DH

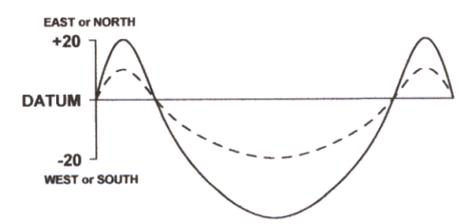
Mining District: Whitehorse, YT
 Projection: UTM Zone 7N
 Job: KDS-05-01-YT
 Date surveyed: Oct 23 - 29, 2005

AURORA GEOSCIENCES LTD.

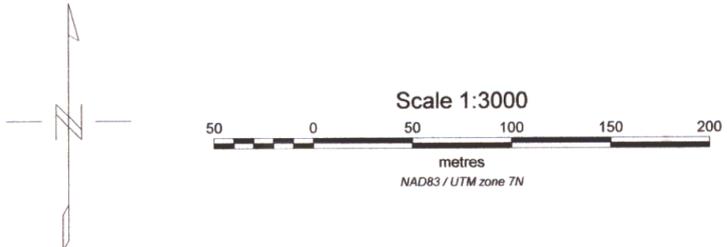
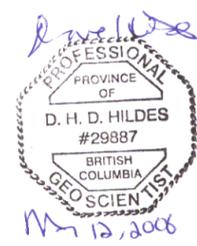


LEGEND HORIZONTAL LOOP EM

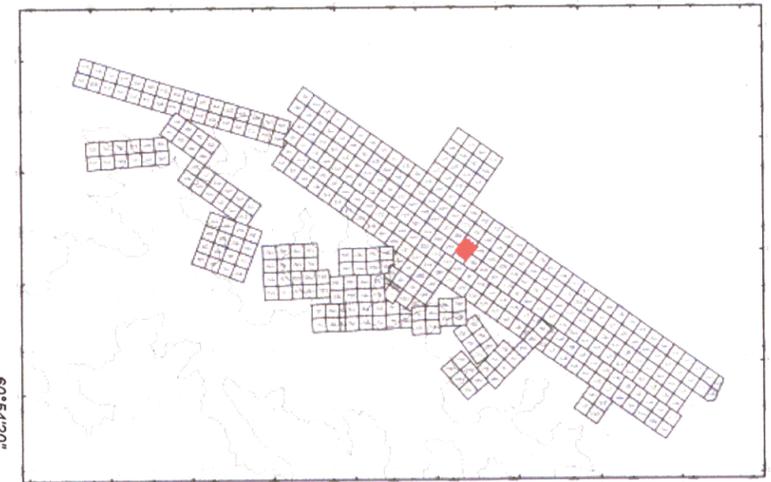
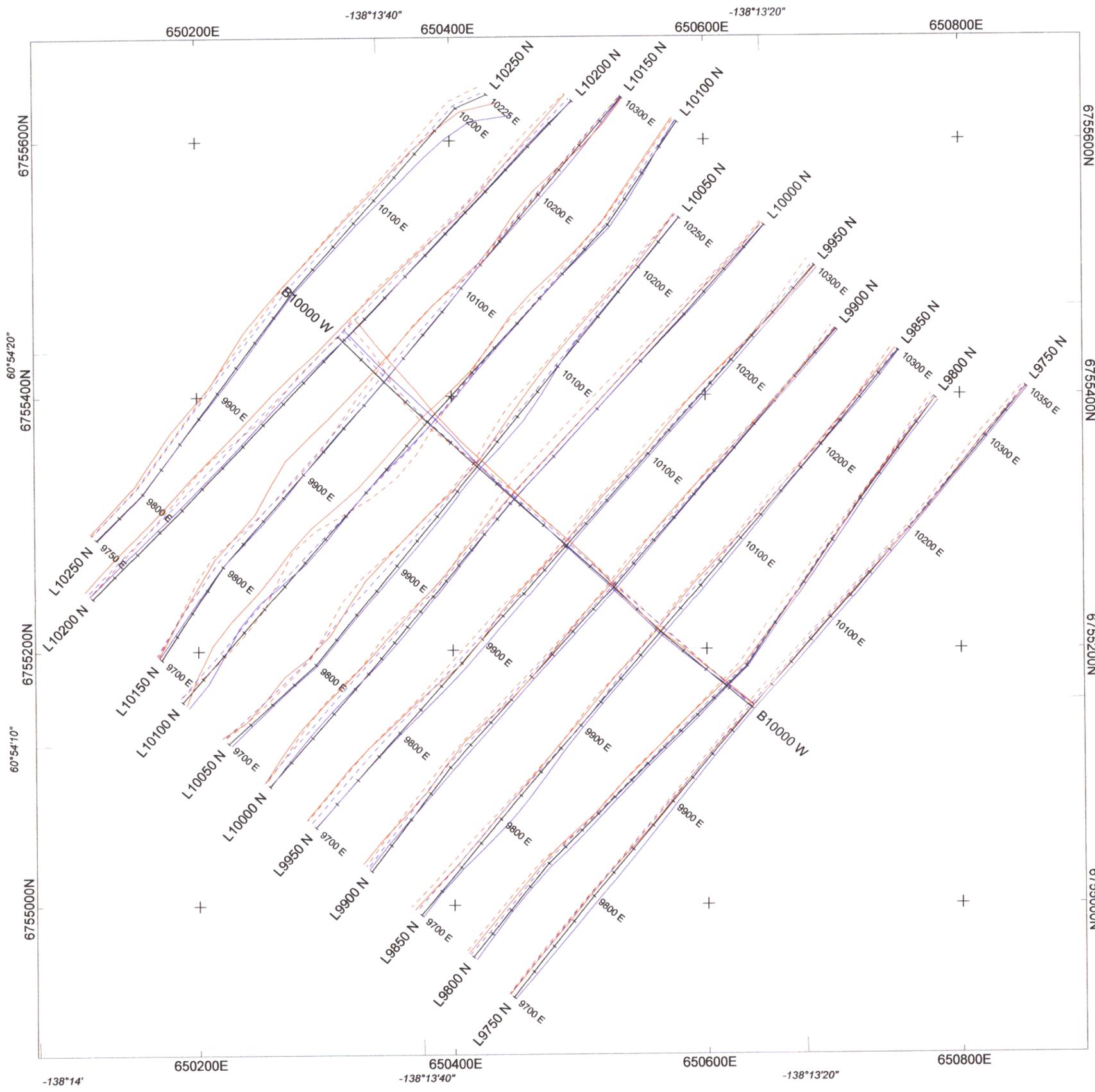
FREQUENCY : 3520 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%
 IN PHASE 3520 Hz : 
 QUADRATURE 3520 Hz : 
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : RedballGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 8.1 km



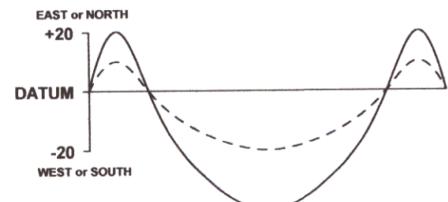
KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - REDBALL GRID	
FIGURE 16 - STACKED HLEM PROFILES	
100 m Coil Separation - 3520 Hz	
NTS: 115B16	Mining District: Whitehorse, YT
Datum: NAD83	Projection: UTM Zone 7N
Date: Mar 10 2006	Job: KDS-05-01-YT
Drawn by: DH	Date surveyed: Oct 23 - 29, 2005
AURORA GEOSCIENCES LTD.	



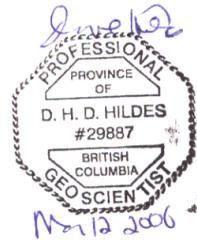
REDBALL GRID LOCATION - ULTRA PROPERTY

LEGEND HORIZONTAL LOOP EM

FREQUENCY : 220 and 1760 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 10%
 IN PHASE 220Hz :
 IN PHASE 1760Hz :
 QUADRATURE 220Hz :
 QUADRATURE 1760 Hz :
 COIL SEPARATION : 100 m



IN-PHASE DATUM : 6%
 QUADRATURE DATUM : 0%
 DATA FILE : RedballGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 6.7 km

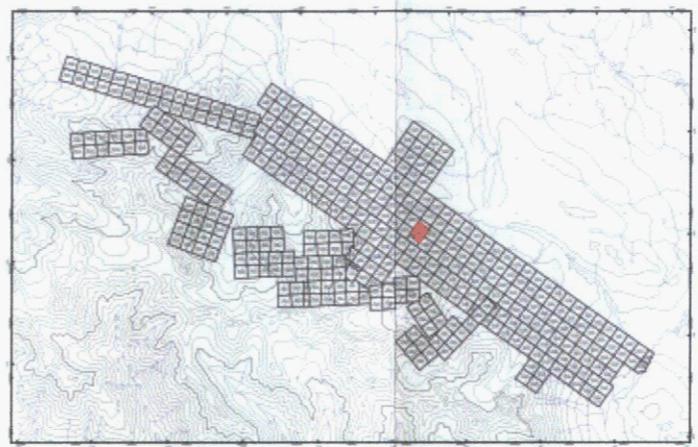
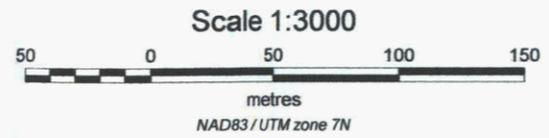
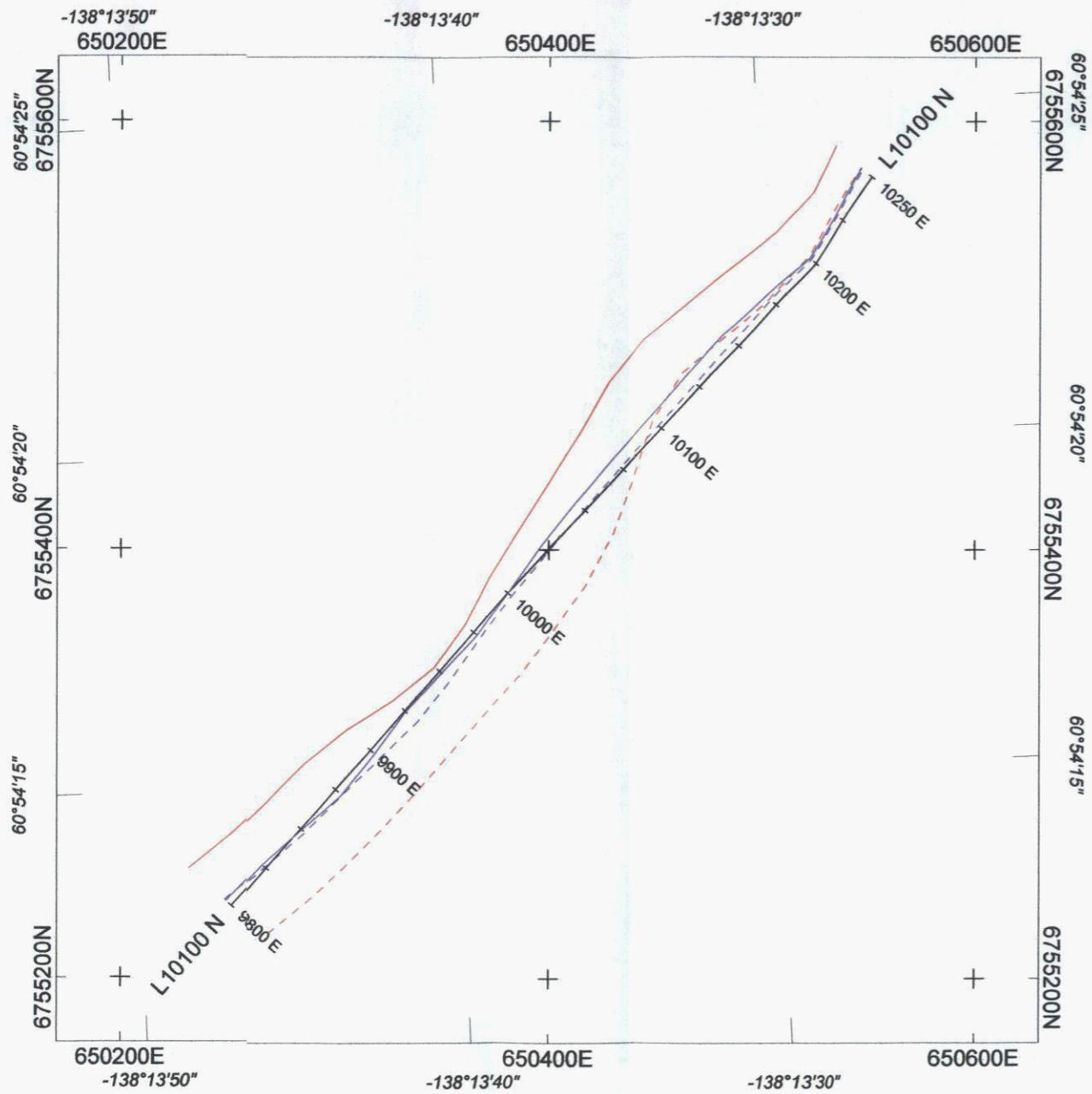


KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - REDBALL GRID
 FIGURE 15 - STACKED HLEM PROFILES
 100 m Coil Separation - 220 and 1760 Hz

NTS: 115B16 Mining District: Whitehorse, YT
 Datum: NAD83 Projection: UTM Zone 7N
 Date: Mar 10 2006 Job: KDS-05-01-YT
 Drawn by: DH Date surveyed: Oct 23 - 29, 2005

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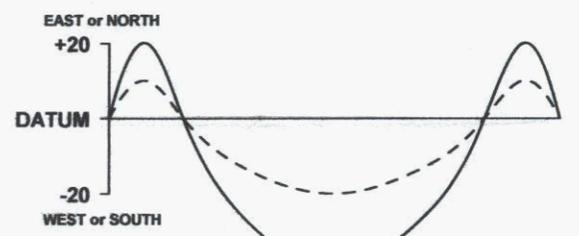
REDBALL GRID LOCATION - ULTRA PROPERTY

J. H. D. Hildes
 PROFESSIONAL
 PROVINCE OF
 J. H. D. HILDES
 #29887
 BRITISH COLUMBIA
 GEO SCIENTIST
Mar 12, 2006

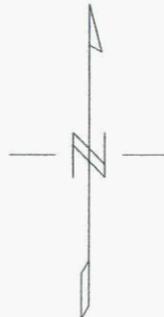
LEGEND

HORIZONTAL LOOP EM

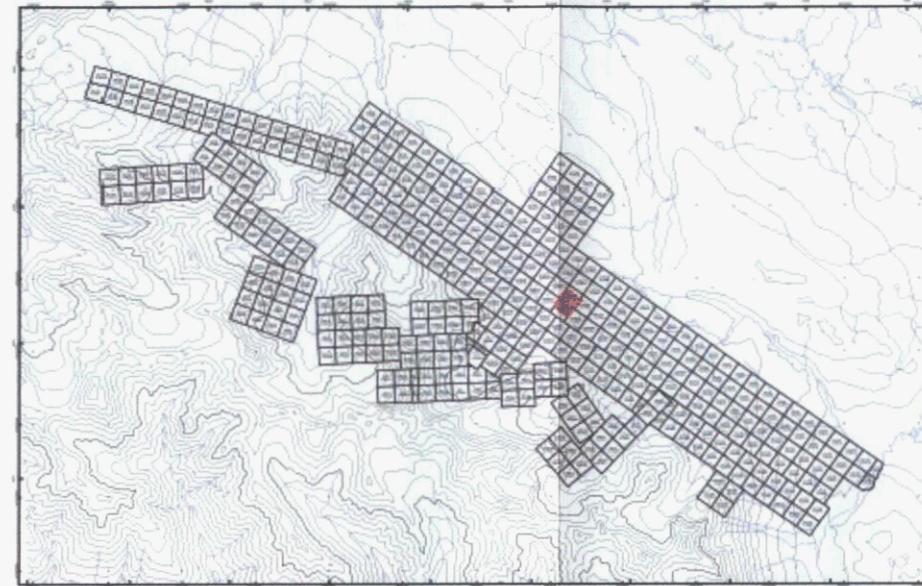
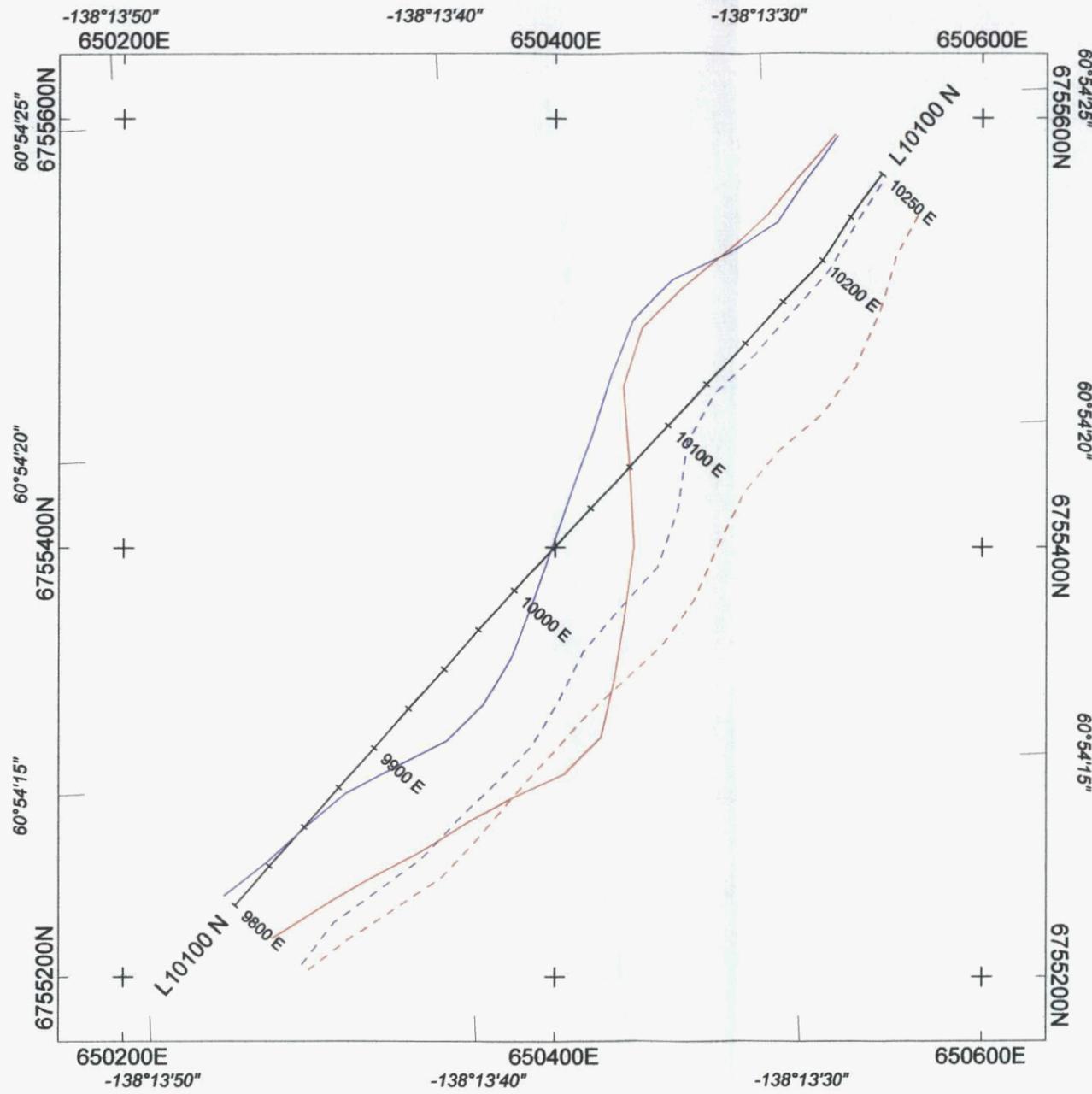
FREQUENCY : 220 and 1760 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%
 IN PHASE 220Hz :
 IN PHASE 1760Hz :
 QUADRATURE 220Hz :
 QUADRATURE 1760 Hz :
 COIL SEPARATION : 150 m



IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : LakeGrid_100m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 450 m



KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - REDBALL GRID	
FIGURE 18 - STACKED HLEM PROFILES	
150 m Coil Separation - 220 and 1760 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005



REDBALL GRID LOCATION - ULTRA PROPERTY

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 PROVINCE OF
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 #29887
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 GEO SCIENTIST
Mar 12, 2006

LEGEND

HORIZONTAL LOOP EM

FREQUENCY : 3520 and 7040 Hz
 INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
 PROFILE SCALE : 1 cm = 20%

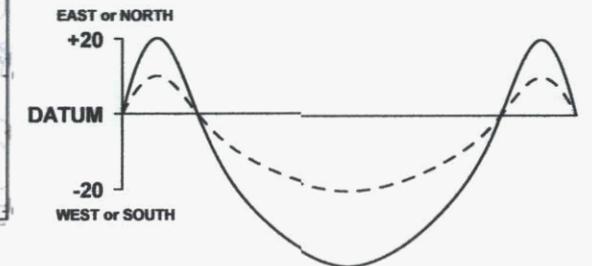
IN PHASE 3520 Hz :

IN PHASE 7040 Hz :

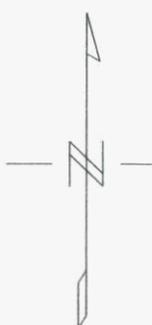
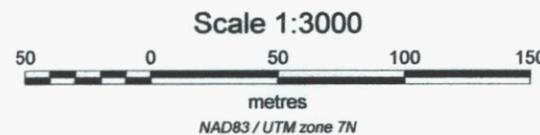
QUADRATURE 3520 Hz :

QUADRATURE 7040 Hz :

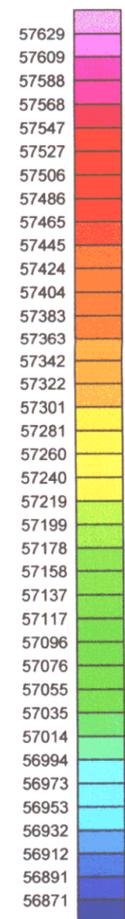
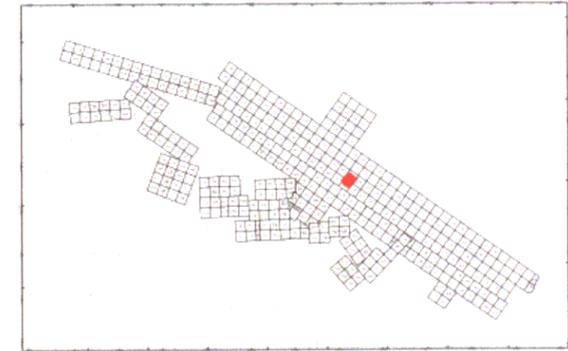
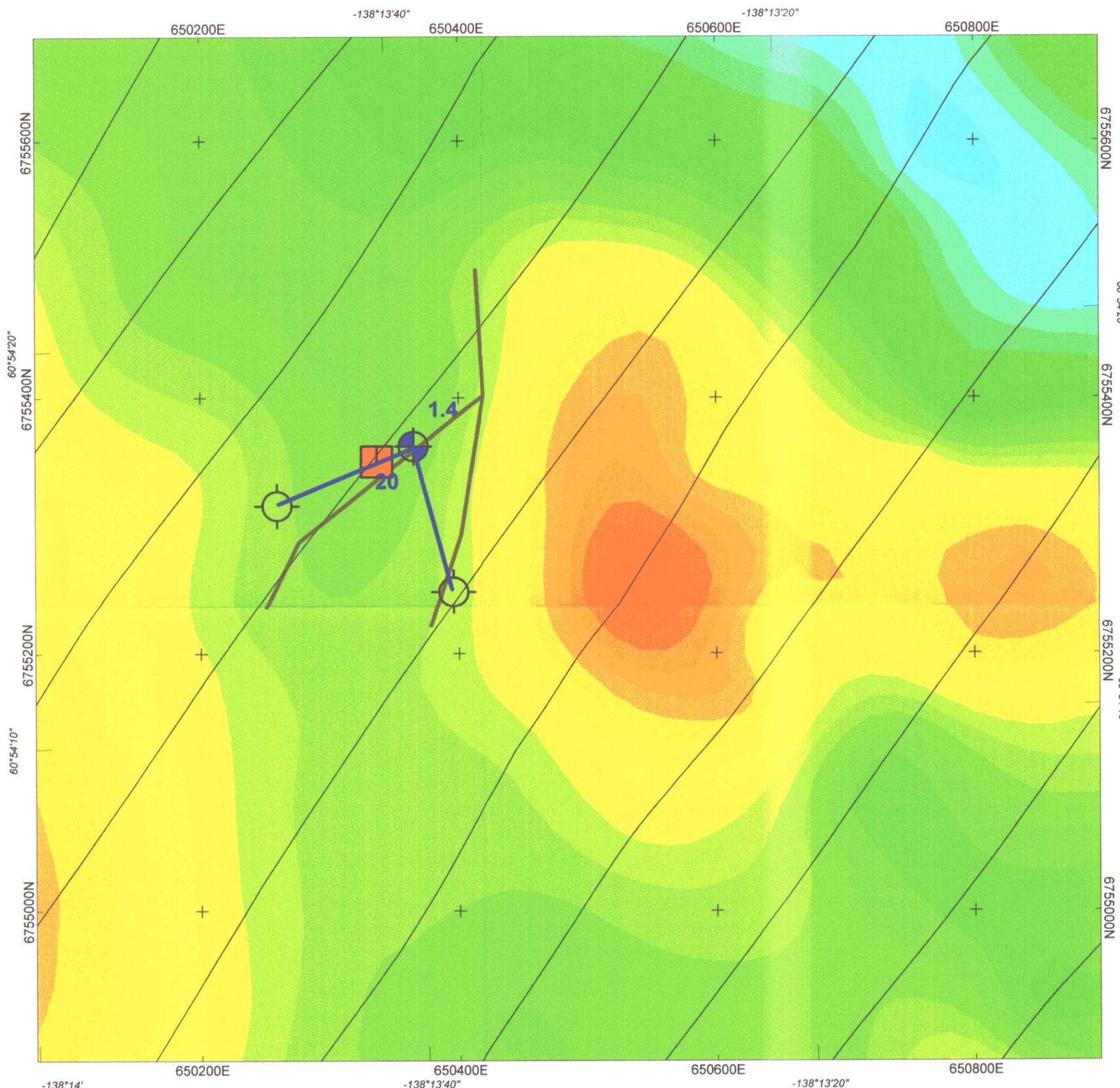
COIL SEPARATION : 150 m



IN-PHASE DATUM : 0%
 QUADRATURE DATUM : 0%
 DATA FILE : RedballGrid_150m HLEM.gdb
 OPERATORS : LM, AS
 STATION SEPARATION : 25m
 LINE-KM SURVEYED THIS SHEET : 450 m

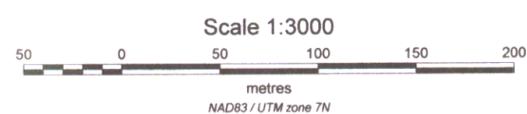
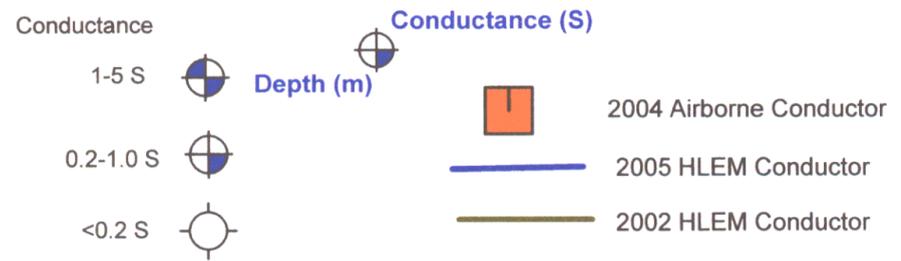


KLONDIKE STAR MINERAL CORP.	
ULTRA PROPERTY - REDBALL GRID	
FIGURE 19 - STACKED HLEM PROFILES	
150 m Coil Separation - 3520 and 7040 Hz	
NTS: 115B16 Datum: NAD83 Date: Mar 10 2006 Drawn by: DH	Mining District: Whitehorse, YT Projection: UTM Zone 7N Job: KDS-05-01-YT Date surveyed: Oct 23 - 29, 2005



Total magnetic field data from McPhar 2004 airborne survey.
Flight lines shown on map.

Total Magnetic Field (nT)



KLONDIKE STAR MINERAL CORP.

ULTRA PROPERTY - REDBALL GRID
FIGURE 20 - TOTAL MAGNETIC FIELD
COLOUR CONTOUR MAP WITH HLEM CONDUCTORS

NTS: 115B16
Datum: NAD83
Date: May 11 2006
Drawn by: DH

Mining District: Whitehorse, YT
Projection: UTM Zone 7N
Job: KDS-05-01-YT
Date surveyed: Oct 23 - 29, 2005

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