094875

2007 PROGRAM

(geological, geophysical, geochemical)

on the

CANYON GOLD

SLEEPER NORTH PROJECT

Whitehorse Mining District

NTS: 105 F/15, 105 K/02

Latitude 61° 58.5′, Longitude 132° 42′

SLEEPER CLAIMS

(July 18th to Aug. 14th, 2007)

By A Carlos (owner of claims)
January 21, 2008

Costs associated with this report have been approved in the amount of $ 9000.00 for assessment credit under Certificate of Work No QW28103, QW28127

M Southwick

Mining Recorder
Whitehorse Mining District

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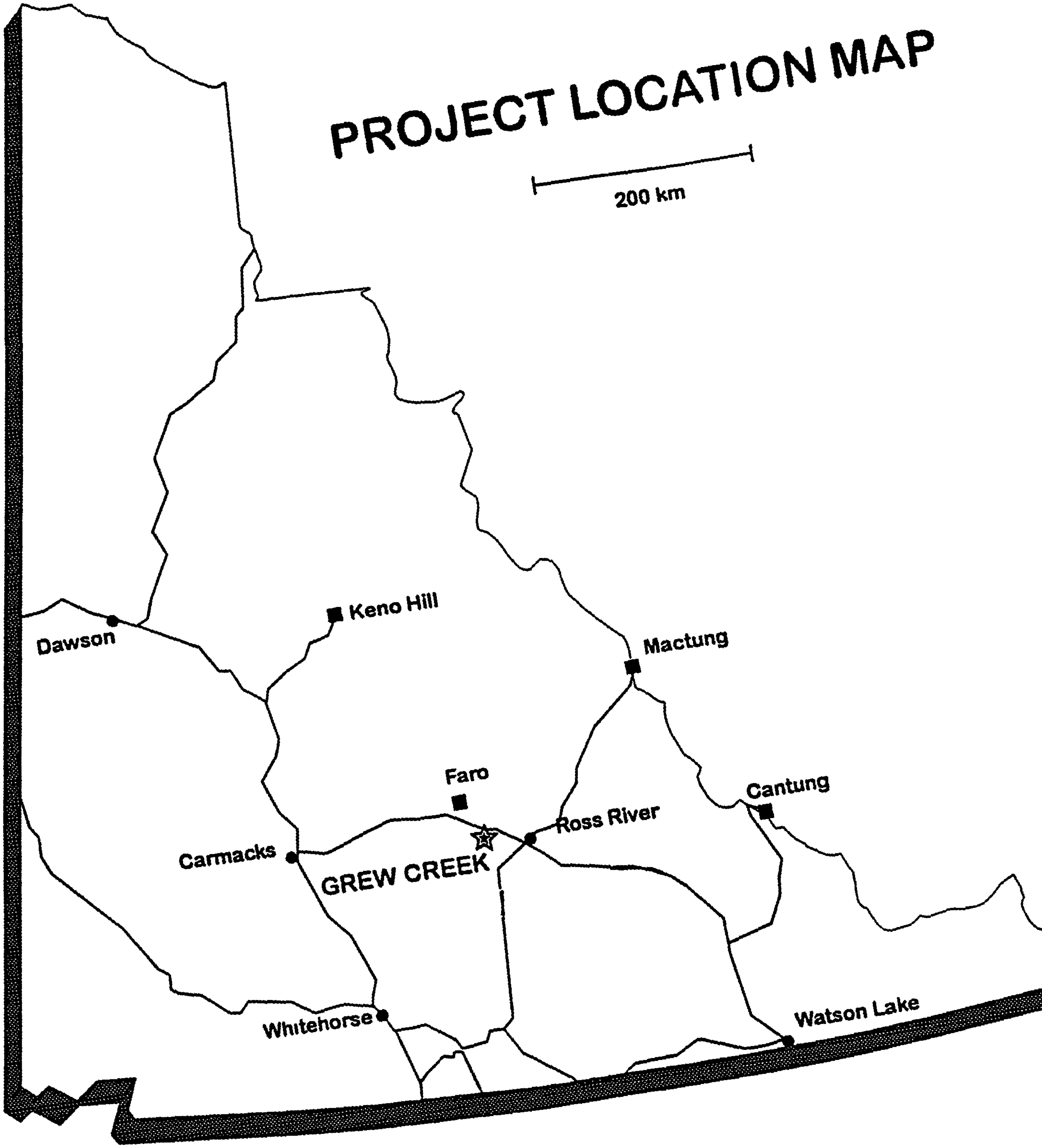

PROJECT LOCATION MAP
200 km
Dawson
Keno Hill
Mactung
Faro
Cantung
Ross River
Carmacks
GREW CREEK
Whitehorse
Watson Lake

INTRODUCTION

The Sleeper target (project) area is situated 6½ miles south-easterly of the Grew Creek Deposit The structural setting is similar to the Deposit area, together with a correlative complex airborne magnetic and electromagnetic response

Relevant companion reports include an exploration proposal dated Feb 23, 2005 (A Carlos), followed by an interpretation by Gregory T Hill of an Enzyme Leach soil survey performed in 2005, covering the total area of an initial 10 claim group

HISTORY and PROJECT SUMMARY

Initially, interest in the area was sparked shortly after the Grew Creek outcrop discovery in 1983 In prospecting Danger Creek, a rusty weathering porphyritic rhyolite with locally intense clay alteration was noted The following spring R Stroshein (Hudson Bay Ex) flew in to have a look Rock samples taken at the time were anomalous in Hg In 1988, an airborne geophysical survey by the Prime Capital group encompassed the general area Results of this survey, together with structural interpretation, indicated a specific target centered 1 5 km north-westerly of the altered rhyolite exposed in Danger Creek

Aware of this target and its general neglect by a good number of groups, I staked it in the fall of 2004, as it was outside the area of interest as deemed at that time in my agreement with Freegold Ventures Ltd In 2005, with the financial aid of the Yukon Mining Incentives program, we established a cut grid (Fig 2) and gathered a total of 506 soil samples for Enzyme Leach analysis

Subsequent results proved to be positive - requiring further attention A further 14 claims were staked in the summer of 2006, increasing the coverage to 24 (1250 acres) During the summer of 2007 my two sons and I completed a program described as follows

PROGRAM 2007

Guided by a 2006 interpretation report on the Enzyme Leach soil survey, it was decided to detail 3 of the 9 gold response clusters as noted on pg 6 of the report (Fig 2) and on the summary map (attached) The 2007 work was carried out by myself and my sons, Luke and Shane No 1, No 2 and No 3 gold clusters are referred to in this report as Western, Central and Eastern respectively Additional lines were established for more detailed surveys on the Central and Eastern targets, while the Western (cluster 1) was surveyed on the existing 100 metre grid, but locally extended to the northeast a short distance to cover Enzyme Leach soil survey data extending beyond the limits of that survey INAA geochemical analysis and pH of peat was performed on the extensions - but no geophysics For clarity, total and selective grid surveys performed were as follows

Total

V L F E M and magnetics on all existing and in-fill lines (See 1 5,000 scale maps re geophysics) A SCINTREX Proton Precision Magnetometer (MP-2) and the Geonics E M 16 were used for the respective magnetic and electromagnetic surveys Results were computer plotted locally by Aurora Geosciences

Western Target

Geochemical analysis and pH of vegetation only on existing 100 metre separation lines, including a limited no extended to the northeast See Fig 3 together with attached transparency, also No 1 maps

Central and Eastern Targets

The pH of soil on existing and in-fill lines Consistent and almost total retrieval of soils was obtained from the Central and Eastern targets for the initial Enzyme Leach survey For additional information, pH of soils was performed on existing and in-fill lines No further geochemical analysis of any sort was performed See No 2 maps

The Western target presented a problem The Fig 3 E L Au plot identifies an interesting but locally limited response on lines 10500 and 10600 at 10250NE Underlying Fig 3 is a properly positioned grid showing initial E L sample points You will note a not sampled area immediately south of the 2 Au E L geo-chem highs See also Fig 2 Permafrost prevented the gathering of soils within this linear depression After initially performing pH analysis of both humus and peat over the Western grid, peat was deemed the better medium to sample in order to obtain a comprehensive result over this area of interest This decision was made after it was determined that pH testing of humus resulted in H+ distribution data that essentially was not able to be contoured
However, pH testing of peat produced readily contourable patterns Peat therefore was used for multi-element INAA (CODE 2B) - after discussions with Dr Hoffman of Actlabs

The transparency provided for Fig 3, showing the resultant contoured INAA values for Au in this initially only partially tested area is certainly encouraging, especially when high As results are directly correlative (No 1 maps)

RESULTS and DISCUSSION

Geological and Geophysical

Fig 2 depicts the local geology from the mapping of available exposures, aided by geophysical interpretation Altered rhyolite along Danger Creek is shown in Fig 1 It is not anomalous in Au or any of its indicators However, in 1984, Hudson Bay Ex sampled this section, obtaining anomalous Hg

A very discrete and small outcrop of quartz feldspar pphy was located in the process of cutting in-fill line 9250 NE Sample 21945 is slightly anomalous in Au at 13ppb Quartz flooding, together with a moderate qtz vein stockwork is best noted after cutting a larger piece by saw Slickensides trend 135° Az Remaining QFP outcrops are relatively unaltered

Allocthonous Permian cherts are bounded on the north by the Grew Creek fault, well reflected by airborne resistivity, at least within the central portion of the grid (Fig 5)

The deposit, 6½ miles north-westerly, occurs within rhyolitic pyroclastics supposedly preserved with a graben, bounded on the south by the proximal Grew Creek fault These Tertiary pyroclastics together with associated hypabyssal and volcanic mafic units plus sediments may be present immediately north of the fault locally, unexposed, as the porphyries are, due to their more recessive nature Magnetics observed in this area most likely reflect underlying mafic units - similar to those associated with the known deposit The Grew Creek deposit occurs proximal to a setting similar to one occurring within this grid nearby the intersection of the Grew Creek fault with a northerly trending extensional one (Fig 2) Overlying of the summary map transparency (Gregory Hill) on Fig 2 or Fig 5 identifies the Central E L halo anomaly positioned similarly

While the Grew Creek fault is well defined by airborne resistivity (Fig 5) and V L F E M , the interpreted Aerodat extensional fault position is supported by ground magnetics See the relevant magnetic and V L F roll map transparencies attached

An interesting feature regarding V L F E M is the rather abrupt termination of 3 such separate trends at line 10900 - north of the baseline Might this be due to the presence of an underlying intrusive (Gregory Hill - pg 1 & summary map)?

A final note on some key observations relating to airborne and ground geophysics The grid position has been accurately tied to key air photo features By using the geophysical transparencies provided, note how well ground and airborne results correlate For example, the Grew Creek fault is reflected by both ground and airborne electromagnetics A second, perhaps more significant observation occurs along 10200 NE across lines 10,400- 10,800, where airborne and ground electromagnetics correlate directly This electromagnetic feature sits astride the gold geochemical anomaly identified partially by soil Enzyme Leach and later expanded by INAA of peat See Fig 3, No 1 maps and roll maps Having seen with some confidence the positive correlation of ground positions and airborne geophysics, a 3rd significant correlation occurs along the B L at cross lines 9300-9400 the direct relationship of the (Easterly halo anomaly) with an underlying distinctive resistivity feature There is one other intriguing observation (1) A resistivity feature trending south-easterly off grid at 10250NE, together with overlying E L soil anomalies on line 9000 (2) An alteration zone 400 metres south-easterly of this resistivity centre (3) Stockwork veining and silicification outcropping nearby (21945 at 13 ppb Au) (4) A northerly trending extensional fault, with strong evidence for a north-westerly cross structure intersect at the point of interest

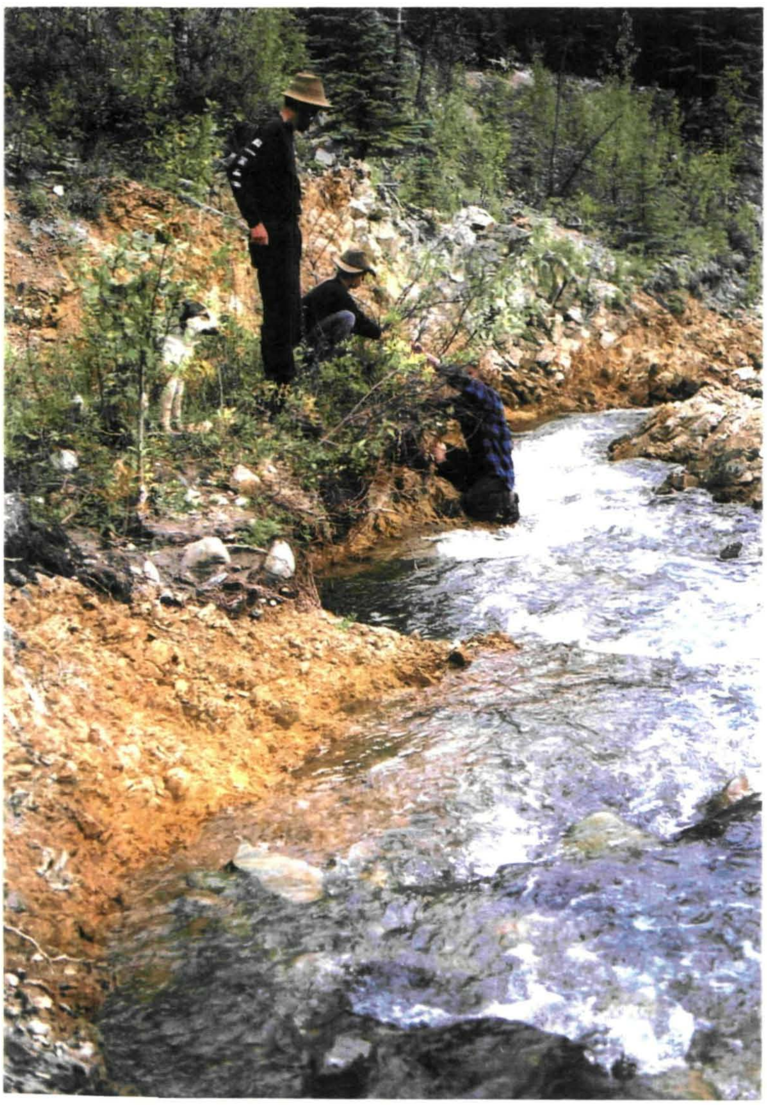
Geochemical

In an attempt to support our decisions regarding the type of additional sampling to be performed on the Western target, some of the geochemical results have already been discussed above (Program 2007)

Geochemical patterns, both those of partial and total extraction origin, may at times be similar if a strong oxidation cell is present At other times, perhaps different or non-existent in the case of conventional approaches In a test study comparing results acquired by a number of different extraction techniques - it was determined that precious metals response by E L is less effective relative to other approaches and relies more heavily on strong responses from pathfinder elements (Geoscience BC Report 2007-7, pg 3) Aware of this from both our own work and studies, it was decided to use a total extraction technique over the already identified Western target (Fig 3) Upon discussions with E Hoffman of Actlabs, we decided to do analysis by INAA, peat being the choice for a no of reasons - including our search for a consistent medium in an area where previous soil sample availability was a problem, leaving holes in the survey (Program 2007, above) Uncertain if such an approach would be successful, we restricted our sampling to the 100 metre line spacings already established, with local extensions Cost was the factor In the end it proved to be an excellent approach, expanding and better defining the gold target zones Better yet if in-fill lines had also been sampled

My association with Gregory Hill, together with the numerous interpretation reports provided us, has left me with a fairly good understanding of geochemical approaches, especially Enzyme leach and the benefits at times of total extraction techniques, particularly for the precious metals Regarding any observations herein of INAA geochemical patterns at the Western anomaly, I prefer to not get involved in discussions supporting such I refer you to pg 2 of Gregory Hill's interpretation report for a preview of such geochemical pattern development

FIG. 1: Peat overlying humus. INAA geochemistry of peat determined on the northwest portion of grid. See fig. 3.



Danger creek: Altered QFP.
See Fig. 2 (21948)

The INAA gold-arsenic anomaly on line 10500 at 10080-10360 NE is very likely apical INAA gold re the anomaly further north appears to be halo in nature - with the target centered on line 10900 at 10440 NE

The Central and Eastern halo anomalies have been recognized by Gregory, and recommended for drill testing We performed detail soil pH surveys on both, with positive results The Central one providing a stronger pH response than the Eastern, though both were centered on the respective Enzyme Leach target

It should be noted here that Stew Hamilton (OGS), knowledgeable regarding geochemical pattern development above reduced bodies, believes pH to be integral to the process Also pertinent to better understanding the geochemistry discussed in this report, I wish to quote Robert Clark (Enzyme - ACTLABS,LLC), in reference to partial leach extractions, E L in particular "The quantities of trace elements that are mobilized to form apical and halo anomalies are incredibly small If it were not for the sensitivity and selectivity of the analytical methodology, most of these anomalies would be impossible to detect It is only when the reduced bodies are either relatively close to the surface or an oxidation cell is extremely active that these anomalies can be quantified with conventional (total) analytical techniques "

CONCLUSIONS and RECOMMENDATIONS

Western Anomaly

In his 2006 report, Gregory Hill recommends a fence of holes collared along 10600 NW between 10180 and 10350 NE This past summers work has contributed significant new information to data previously used in making that recommendation

I believe he would agree with me that, instead, we move to 10500 NW and drill a fence of holes between 10180 NE and 10350 NE, angled to the southwest V L F E M profiles suggest a north-easterly dip to the electromagnetic feature straddling the anomalous Au-As geochemistry Extended and in-fill sampling of peat to properly cover both local gold anomalies should be done as early as permissible All new sample results, together with 2007 INAA results should be sent to Gregory Hill for interpretation

Central Anomaly

Perform drilling as recommended within E Leach interpretive report

Eastern Anomaly

Follow drilling recommendations for nearby the baseline Refrain from drilling further north until results from an INAA sampling of peat is obtained, adequately encompassing the airborne resistivity feature trending off grid at 10250 NE

REFERENCES

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- Carlos, A M , 2001 Compilation to accompany report by Gregory T Hill, Enzyme Laboratories, Inc 22 November 2000
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- Yukon Geology, Vol 3 Page 240, Fig 15 (Note pyrite increase peripheral to gold-silver zone)
- Reed, Mark H & Spycher, Nicolas F , 1985 BOILING, COOLING AND OXIDATION IN EPITHERMAL SYSTEMS Pg 266 of "REVIEWS IN ECONOMIC GEOLOGY-Vol 2 "
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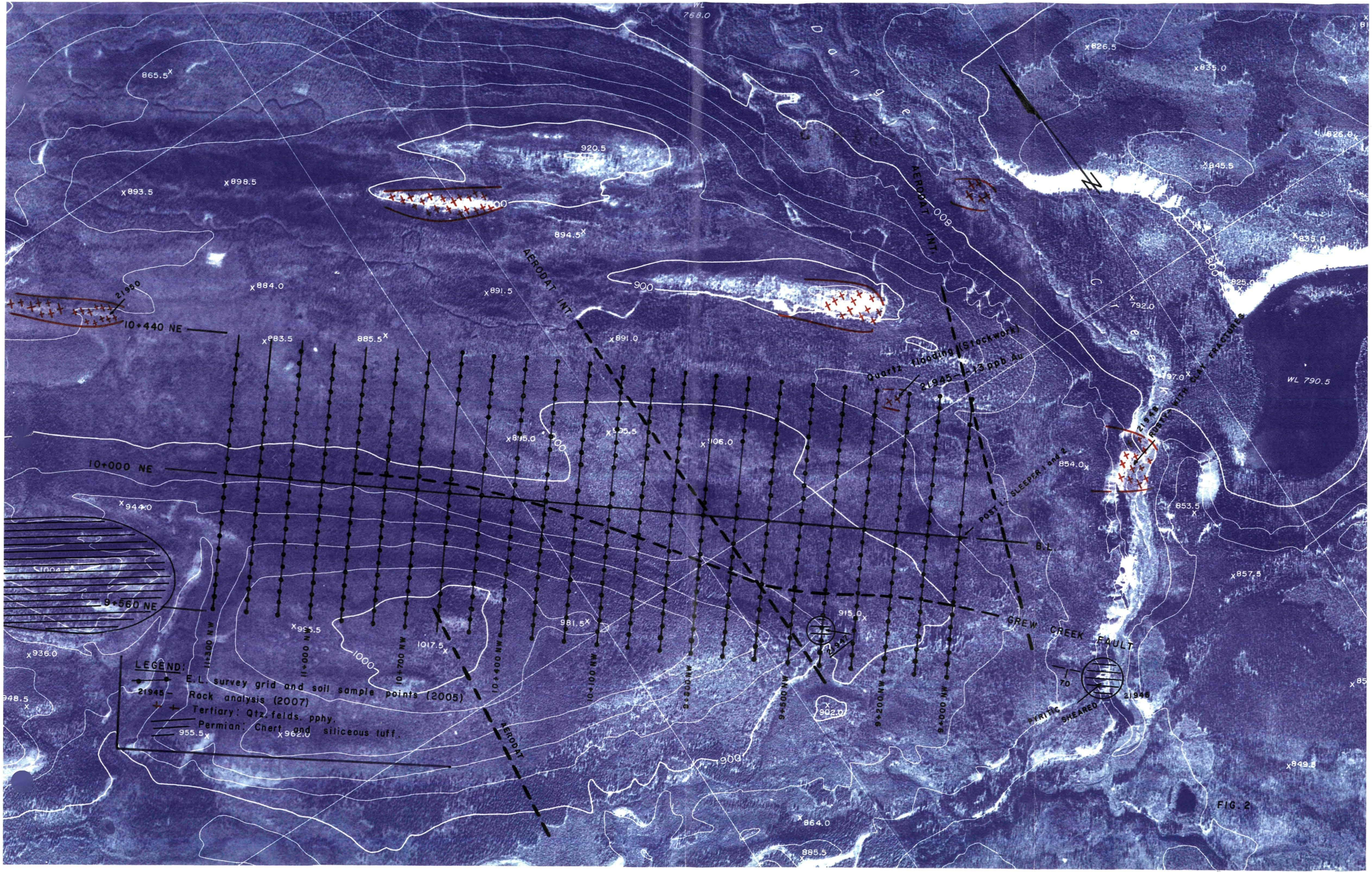
LEGEND:
E.L. survey grid and soil sample points (2005)
21945 Rock analysis (2007)
Tertiary: Qtz.-felds. pphy.
Permian: Chert and siliceous tuff.
955.5
10+440 NE
10+000 NE
9+560 NE
B.L.
11+300 NW
11+000 NW
10+700 NW
10+400 NW
10+100 NW
9+500 NW
9+200 NW
9+000 NW
AERODAT INT.
AERODAT
GREW CREEK FAULT
Quartz flooding (Stockwork)
21945 13 ppb Au
21948 RUSTY- WITH CLAY FRACTURES
POST 1: SLEEPER 1 and 2
21947
21946
PYRITIC
SHEARED
70
21950
WL 768.0
WL 790.5
865.5
893.5
898.5
920.5
894.5
884.0
891.5
883.5
885.5
891.0
895.0
935.5
1106.0
944.0
1004.5
955.5
936.0
948.5
1017.5
981.5
915.0
902.0
962.0
864.0
885.5
826.5
835.0
845.5
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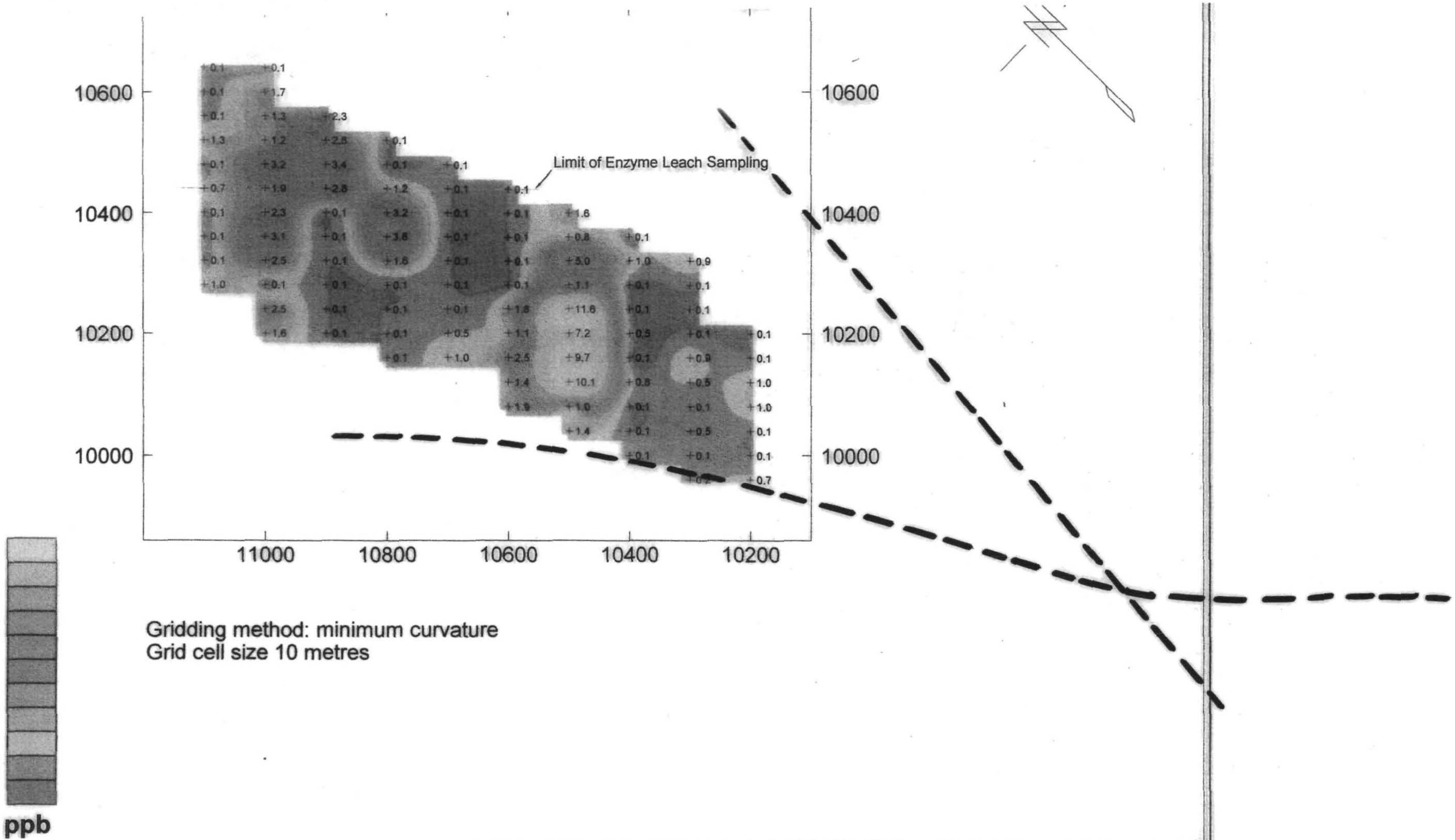
857.5
849.5
900
1000

FIG. 2



Scale 1:10000

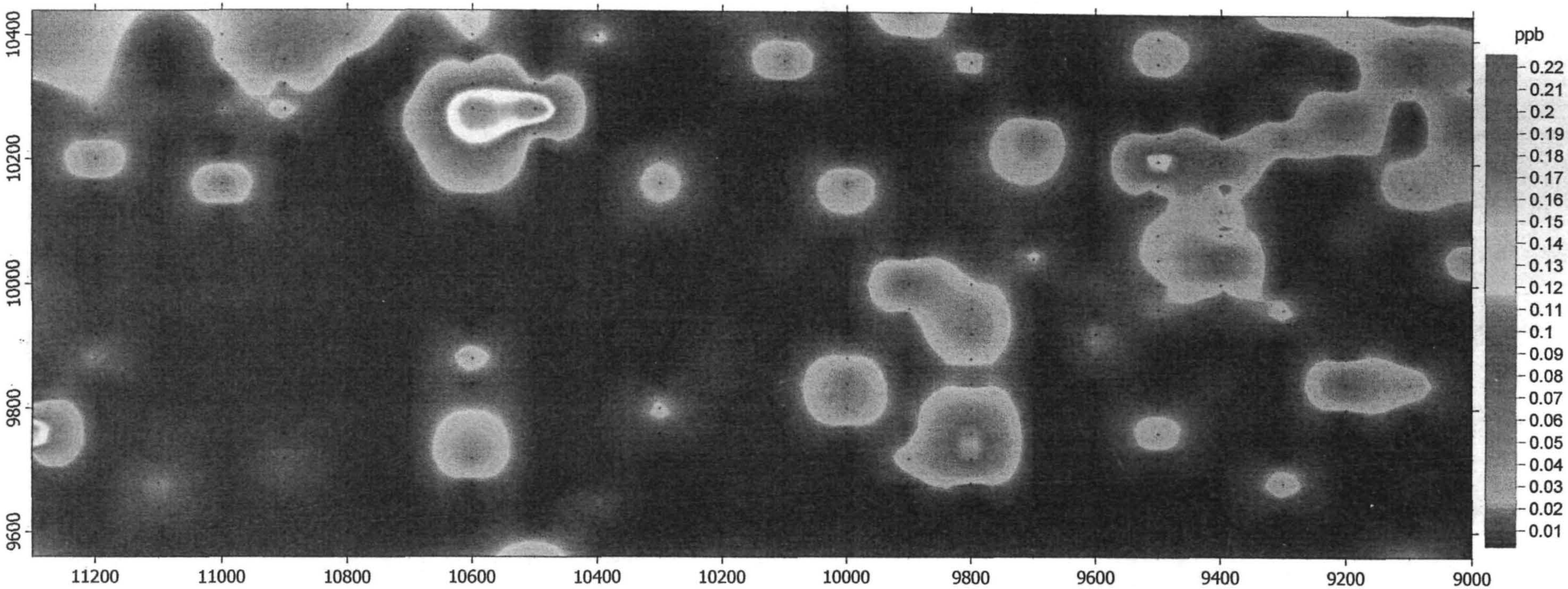
100 0 100 200 300

(metres)
Local Grid

Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Au ppb INAA, contour interval 0.5 ppb
December 21, 2007



data source: A05-3233final.xls

meters

0 100 200 300 400 500

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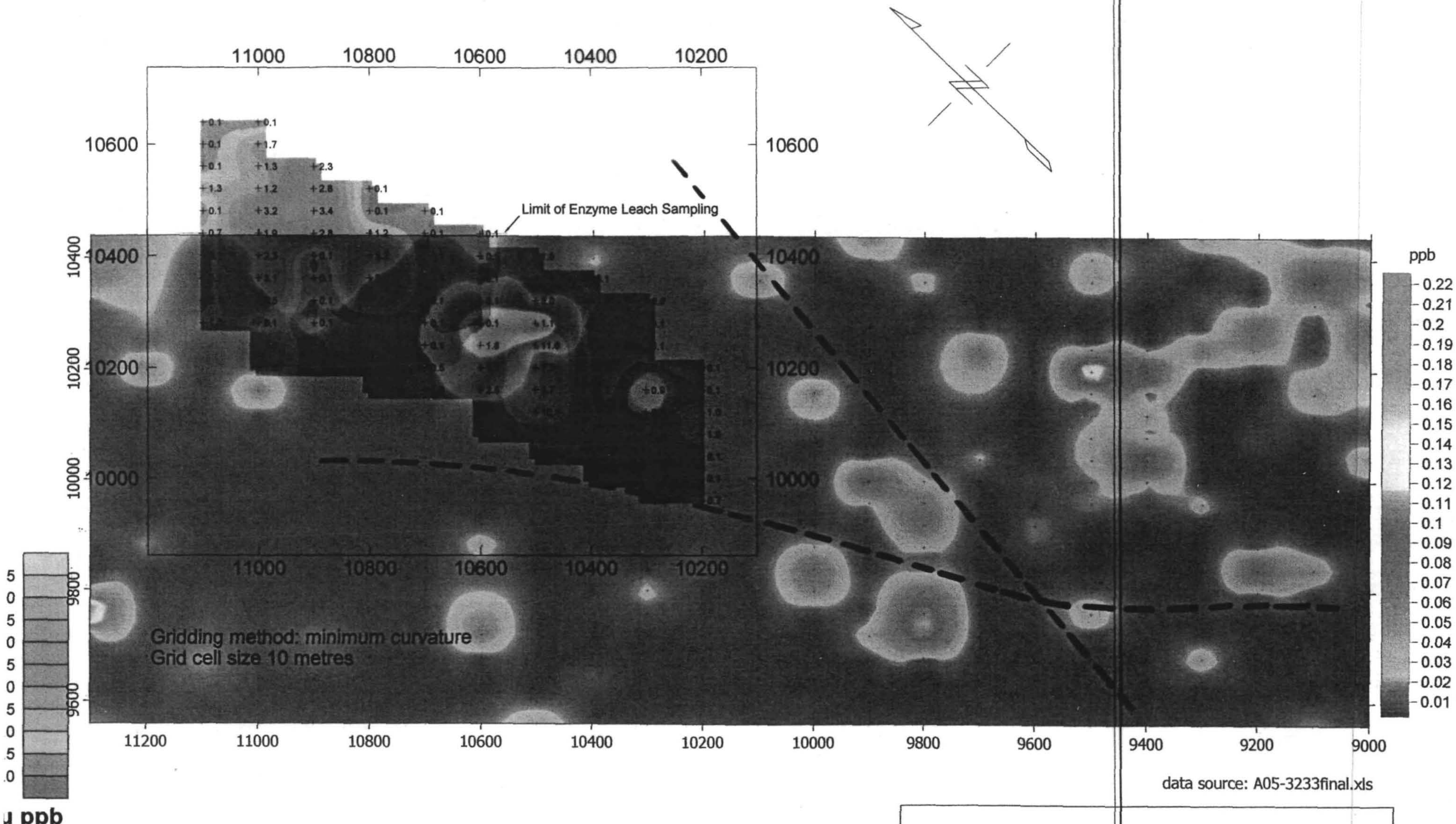
A. Carlos - Sleeper Project

Enzyme Leach Soil Survey

Gold

Drawn by: G.T. Hill — Date: 3 December 2006

FIG.3



Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Au ppb INAA, contour interval 0.5 ppb
December 21, 2007

A. Carlos - Sleeper Project
Enzyme Leach Soil Survey
Gold

Drawn by: G.T. Hill

Date: 3 December 2006

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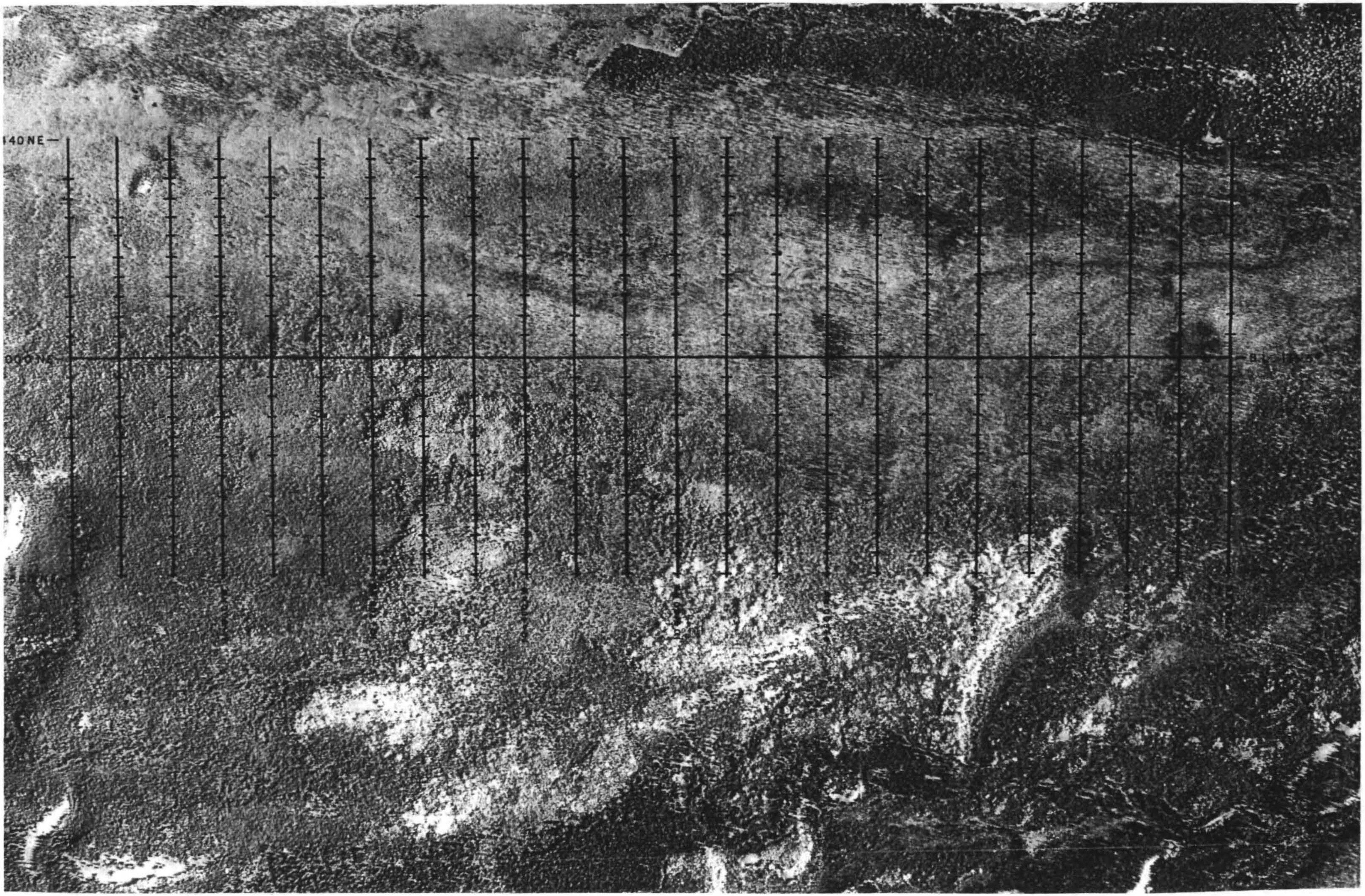
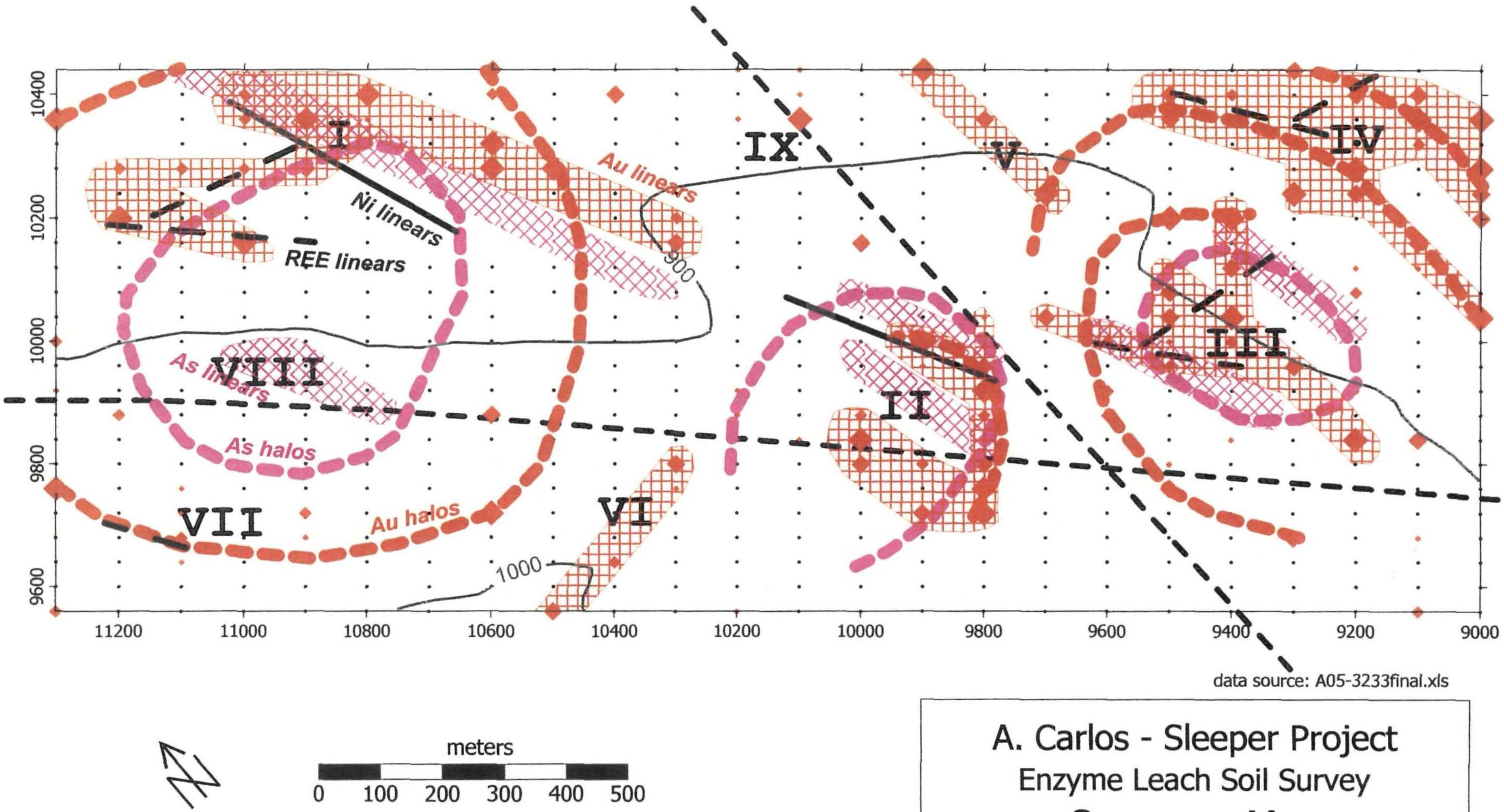
FIG.3


140NE
000NE



A. Carlos - Sleeper Project
Enzyme Leach Soil Survey
Summary Map

Drawn by: G.T. Hill

Date: 18 December 2006

SCALE: 1cm.= 73.6 M (approx.)

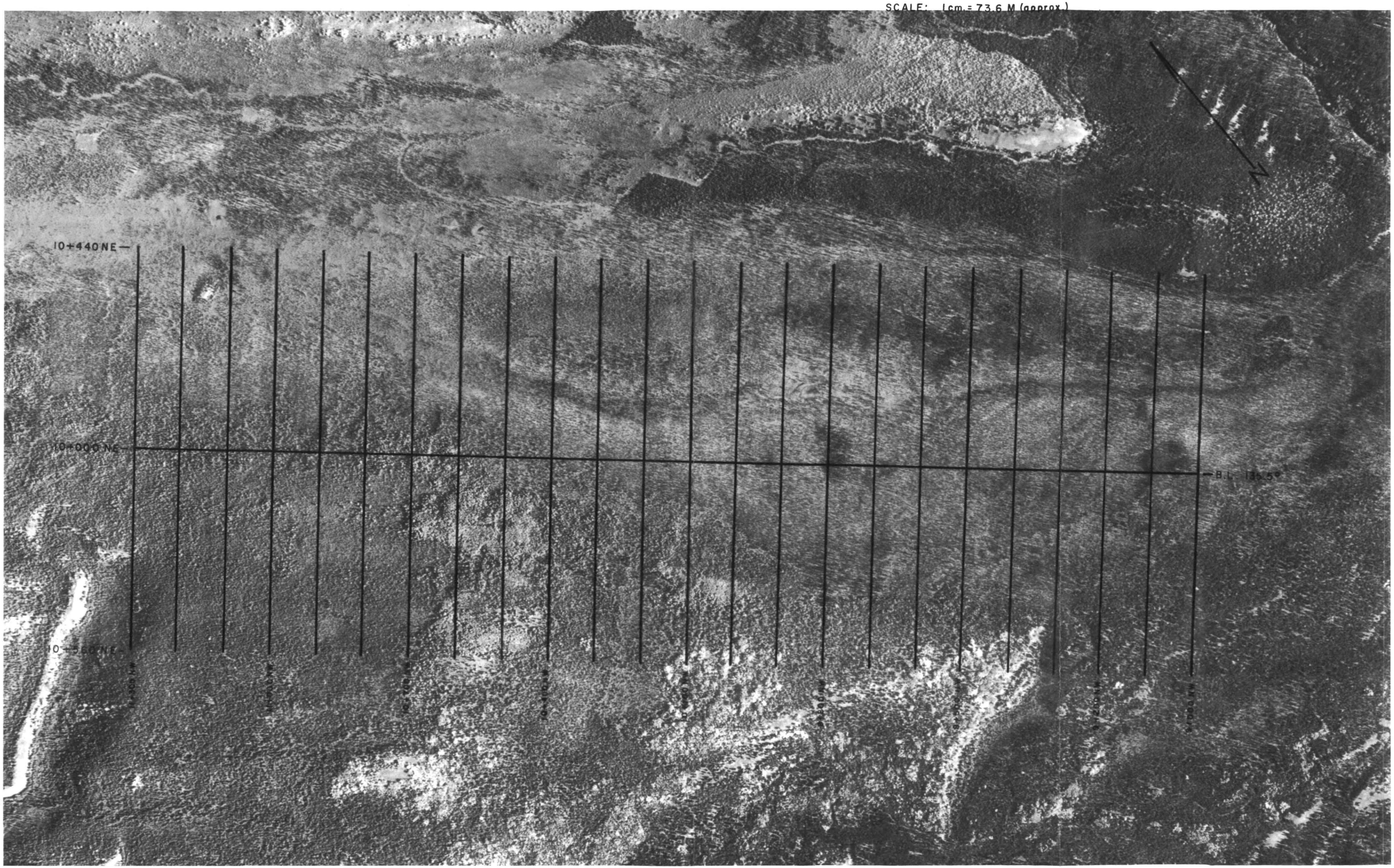


FIG. 4


LEGEND
E.L. survey grid and soil sample points (2005)
21945 — Rock analysis (2007)
Tertiary: Qtz. felds. phy.
Permian: Chert and siliceous tuff.
10+440 NE
10+000 NE
9+560 NE
B.L.
11+300 NW
11+000 NW
10+700 NW
10+400 NW
10+100 NW
9+800 NW
9+500 NW
9+200 NW
9+000 NW
AERODAT INT.
AERODAT
Quartz flooding (Stockwork)
21945 — 13 ppb Au
RUSTY — WITH QTZ FRACTURES
POST — SLEEPER FAULT
GREEN CREEK FAULT
PYRITIC SHEARED
21946

FIG. 5

Apparent Resistivity

Calculated from 4600 Hz
coaxial EM response assuming
a 200 m conductive layer

Contouring in ohm*m at
logarithmic intervals

Sensor elevation 30m

Map contours are multiples of
those listed below

————	0 1 log(ohm*m)
————	0 5 log(ohm*m)
————	2 5 log(ohm*m)

EM Anomalies

Conductivity Thickness (mhos)

- 0 - 1
- 1 - 2
- 2 - 4
- 4 - 8
- 8 - 15
- 15 - 30
- > 30

EM Anomaly A, 4600 Hz
inphase amplitude 7 ppm.
Conductivity thickness
1-2 mhos (see code)

PRIME EXPLORATIONS LTD

APPARENT RESISTIVITY CONTOURS

PELLY RIVER

YUKON TERRITORY

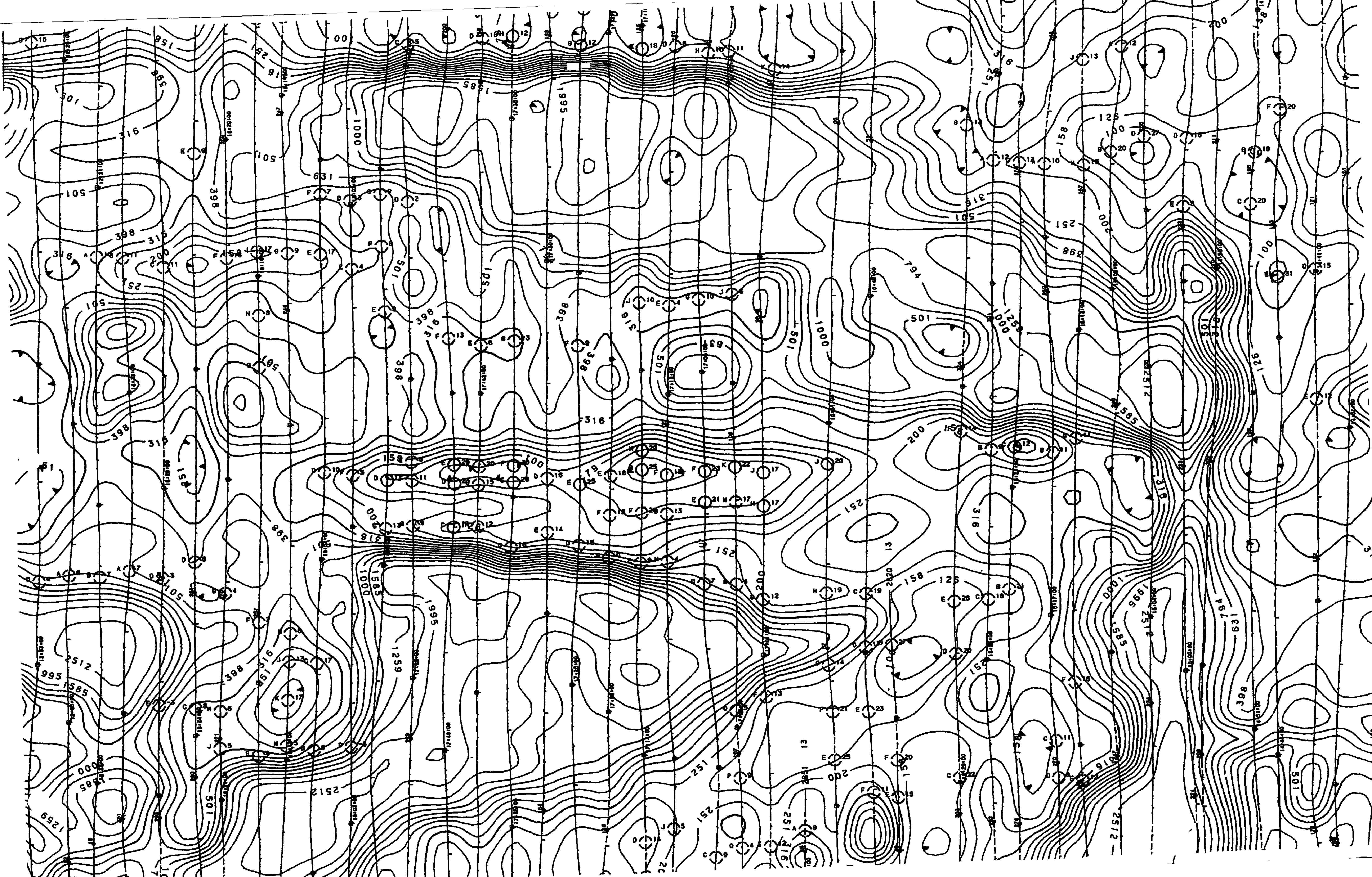
SCALE 1:10,000

0 330 660 1320 1/2 MILE

0 100 200 500 1 KILOMETRE

AERODAT LIMITED

DATE:	MARCH/APRIL 1988
NTS No:	105 F/15, K/2
MAP No:	6 J8815-3



APPENDIX

ANALYTICAL RESULTS

Quality Analysis . . *Innovative Technologies*

Date Submitted	25-Sep-07
Invoice No	A07-4616
Invoice Date	13-Nov-07
Your Reference	SLEEPER

Allen M Carlos
275 Alsek Dr

Whitehorse Yukon Y1A 4T1
Canada

ATTN Allen Carlos

CERTIFICATE OF ANALYSIS

10 Rock samples and 98 Vegetation samples were submitted for analysis

The following analytical packages were requested Code 1H INAA(INAAGEO)/Total Digestion ICP(TOTAL)
Code 2B-15g Vegetation INAA(INAAGEO)

REPORT **A07-4616**

This report may be reproduced without our consent If only selected portions of the report are reproduced permission must be obtained If no instructions were given at time of sample submittal regarding excess material it will be discarded within 90 days of this report Our liability is limited solely to the analytical cost of these analyses Test results are representative only of material submitted for analysis

Notes
Elements which exceed the upper limits should be analyzed by assay techniques Some elements are reported by multiple techniques These are indicated by MULT

CERTIFIED BY

Eric Hoffman Ph D
President/General Manager

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Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Be	Bi	Br	Ca	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
Detection Limit	2	0 3	1	0 3	1	3	1	1	0 01	0 01	0 5	50	1	2	0 5	0 01	1	2	1	0 2	0 01	1	1	5
Analysis Method	INAA	MULT INAA / TD-ICP	TD ICP	TD-ICP	TD ICP	TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD ICP	TD ICP	TD-ICP	INAA	INAA	TD ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L 10+700NW 10+320NE	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 10+700NW 10+360NE		--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 10+700NW 10+400NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	
L 10+700NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 10+700NW 10+480NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+160NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+200NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
L 10+800NW 10+240NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+280NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 10+800NW 10+320NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--		
L 10+800NW 10+360NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+400NE	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 10+800NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
L 10+800NW 10+480NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+520NE	--	--	--	--	--	--	--			--	--		--	--	--	--	--	--	--	--		--		--
L 10+900NW 10+200NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 10+900NW 10+240NE	--	--			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 10+900NW 10+280NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--		--		--	--	--	
L 10+900NW 10+320NE	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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L 11+000NW 10+320NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+360NE	--	--		--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+400NE	--	--	--	--	--	--	--	--		--	--		--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+480NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+520NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+560NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 11+000NW 10+600NE	--	--		--	--	--		--	--	--	--		--	--		--	--	--	--	--	--	--	--	--
L 11+000NW 10+640NE	--			--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
L 11+100NW 10+280NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
L 11+100NW 10+320NE	--	--	--	--	--	--	--	--	--	--			--	--	--	--	--	--	--	--		--	--	
L 11+100NW 10+360NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 11+100NW 10+400NE	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--		--	--		--	--	--
L 11+100NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 11+100NW 10+480NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
L 11+100NW 10+520NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
L 11+100NW 10+560NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 11+100NW 10+600NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 11+100NW 10+640NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
21941	< 2	< 0 3	16	0 5	1	22	4	109	0 01	8 06	8 6	780	4	< 2	< 0 5	0 39	< 1	< 2	< 1	1 9	2 16	18	< 1	< 5
21942	< 2	< 0 3	10	0 5	1	28	5	112	< 0 01	6 57	4 9	760	5	< 2	< 0 5	0 42	4	< 2	3	2 5	2 35	17	< 1	< 5
21943	< 2	< 0 3	9	0 4	< 1	26	2	108	< 0 01	6 54	4 1	770	4	< 2	< 0 5	0 88	< 1	< 2	2	0 8	2 09	16	< 1	< 5
21944	< 2	< 0 3	10	0 4	2	22	3	118	< 0 01	5 76	3 2	1100	4	< 2	< 0 5	0 48	< 1	< 2	2	2 8	2 43	17	< 1	< 5

Analyte Symbol	Au	Ag	Cu	Cd	Mo	Pb	Ni	Zn	S	Al	As	Ba	Be	Bi	Br	Ca	Co	Cr	Cs	Eu	Fe	Hf	Hg	Ir
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
Detection Limit	2	0 3	1	0 3	1	3	1	1	0 01	0 01	0 5	50	1	2	0 5	0 01	1	2	1	0 2	0 01	1	1	5
Analysis Method	INAA	MULT INAA / TD-ICP	TD ICP	TD-ICP	TD-ICP	TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD-ICP	TD ICP	TD-ICP	INAA	INAA	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
21945	13	< 0 3	10	0 6	< 1	36	5	136	< 0 01	6 60	3 7	770	5	< 2	< 0 5	0 32	4	< 2	2	2 4	2 48	16	< 1	< 5
21946	< 2	< 0 3	14	< 0 3	2	28	15	42	0 10	6 36	8 3	2400	3	< 2	< 0 5	2 12	< 1	16	< 1	< 0 2	1 76	5	< 1	< 5
21947	< 2	< 0 3	19	< 0 3	2	22	11	56	< 0 01	6 97	5 7	2100	2	< 2	< 0 5	0 81	7	19	< 1	1 2	2 15	6	< 1	< 5
21948	< 2	0 4	5	0 3	2	21	4	116	< 0 01	6 50	1 6	630	8	< 2	< 0 5	1 16	< 1	10	6	2 3	1 83	16	< 1	< 5
21949	< 2	0 6	29	1 5	3	7	38	145	0 05	2 68	13 4	3600	1	< 2	< 0 5	4 10	8	64	2	< 0 2	2 16	4	< 1	< 5
21950	< 2	0 3	7	0 4	< 1	20	3	106	< 0 01	6 11	4 8	960	5	< 2	< 0 5	0 35	< 1	< 2	4	2 1	2 41	17	< 1	< 5

Analyte Symbol	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	La	Ce	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0 01	0 01	1	0 01	0 001	15	0 1	0 1	3	1	0 5	0 01	0 2	0 5	2	1	1	0 5	3	5	0 1	0 01	0 5	0 2
Analysis Method	TD-ICP	TD ICP	TD ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L 10+700NW 10+360NE	--	--	--	--		--	--	--	--	--				--	--	--	--	--	--	--		--	--	
L 10+700NW 10+400NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--		--	--	
L 10+700NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--		--	--		--	--	
L 10+700NW 10+480NE	--	--	--			--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
L 10+800NW 10+160NE	--		--	--	--	--		--		--	--		--	--	--	--	--	--	--	--	--	--	--	--
L 10+800NW 10+200NE	--		--		--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
L 10+800NW 10+240NE	--		--	--		--	--	--	--	--	--		--		--	--	--	--	--	--		--	--	--
L 10+800NW 10+280NE	--	--	--	--	--	--		--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+320NE	--	--	--	--	--	--	--	--	--	--	--		--		--	--	--	--	--	--		--	--	
L 10+800NW 10+360NE			--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+800NW 10+400NE	--	--			--	--	--	--	--	--		--	--	--	--	--	--	--	--	--		--	--	--
L 10+800NW 10+440NE	--		--	--	--	--	--	--	--	--	--		--	--		--	--	--	--	--			--	
L 10+800NW 10+480NE		--	--		--	--	--	--	--	--	--	--	--	--		--	--	--	--	--		--	--	--
L 10+800NW 10+520NE	--		--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
L 10+900NW 10+200NE	--	--	--	--	--	--	--	--		--	--		--	--	--	--	--	--	--	--		--	--	--
L 10+900NW 10+240NE	--		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+900NW 10+280NE	--	--	--	--	--	--		--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+900NW 10+320NE	--	--	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--		--	--	--
L 10+900NW 10+360NE	--	--	--		--	--	--	--	--	--	--	--		--	--	--	--	--	--	--		--	--	
L 10+900NW 10+400NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--		--	--	--		--	--	--
L 10+900NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--		--	--	
L 10+900NW 10+480NE	--	--	--		--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
L 10+900NW 10+520NE			--		--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 10+900NW 10+560NE		--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--		--		--	--	
L 11+000NW 10+200NE	--		--		--	--	--	--	--	--	--		--	--	--		--	--	--	--		--	--	--
L 11+000NW 10+240NE		--		--	--	--	--	--	--	--	--			--	--	--	--	--	--	--		--	--	
L 11+000NW 10+280NE	--	--	--		--	--	--	--	--	--	--	--		--	--	--	--	--	--	--			--	
L 11+000NW 10+320NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--
L 11+000NW 10+360NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--		--	--	
L 11+000NW 10+400NE	--	--	--	--	--	--	--	--		--	--	--	--	--	--		--	--	--	--		--	--	
L 11+000NW 10+440NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--			--	
L 11+000NW 10+480NE	--	--	--	--			--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
L 11+000NW 10+520NE		--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	
L 11+000NW 10+560NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--		--	--	
L 11+000NW 10+600NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	
L 11+000NW 10+640NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
L 11+100NW 10+280NE	--	--		--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 11+100NW 10+320NE	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--		--	--		--	--	--
L 11+100NW 10+360NE	--	--	--	--	--	--	--	--	--	--	--		--	--	--		--	--	--	--			--	
L 11+100NW 10+400NE	--	--	--	--		--	--	--	--	--	--		--	--	--	--	--		--	--		--	--	--
L 11+100NW 10+440NE	--	--				--	--	--	--		--		--	--	--	--	--	--	--	--		--	--	
L 11+100NW 10+480NE		--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
L 11+100NW 10+520NE	--	--			--	--	--		--		--	--	--		--	--	--	--	--	--		--	--	
L 11+100NW 10+560NE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 11+100NW 10+600NE	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L 11+100NW 10+640NE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--		--	--	--
21941	2 78	0 07	377	1 98	0 008	235	0 2	4 0	< 3	27	< 0 5	0 14	23 2	7 4	5	< 1	68	74 5	290	126	21 9	< 0 01	1 7	9 6
21942	2 90	0 06	451	2 06	0 011	194	0 3	4 0	< 3	28	5 2	0 13	23 6	7 9	4	< 1	64	62 8	300	100	19 4	< 0 01	1 0	9 6
21943	2 89	0 07	429	1 98	0 006	126	< 0 1	3 8	< 3	34	< 0 5	0 09	24 4	10 1	3	< 1	83	84 2	306	143	25 1	< 0 01	0 9	9 7
21944	4 35	0 06	424	1 95	0 015	163	< 0 1	3 9	< 3	27	< 0 5	0 16	25 6	6 5	5	< 1	72	79 3	304	203	22 9	< 0 01	2 8	9 9
21945	3 12	0 07	610	1 94	0 011	141	0 5	4 1	< 3	25	< 0 5	0 12	23 8	6 8	4	< 1	59	55 7	307	235	17 2	< 0 01	< 0 5	8 7
21946	2 70	0 59	382	2 15	0 029	155	< 0 1	5 4	< 3	274	< 0 5	0 16	20 0	3 9	27	< 1	15	53 4	175	92	10 4	< 0 01	< 0 5	2 1

Analyte Symbol	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	La	Ce	Nd	Sm	Sn	Tb	Yb
Unit Symbol	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0 01	0 01	1	0 01	0 001	15	0 1	0 1	3	1	0 5	0 01	0 2	0 5	2	1	1	0 5	3	5	0 1	0 01	0 5	0 2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
21947	2 16	0 30	326	1 87	0 038	105	< 0 1	5 4	< 3	244	< 0 5	0 13	16 4	4 0	20	< 1	14	35 9	136	176	15 5	< 0 01	< 0 5	1 8
21948	2 86	0 25	422	0 45	0 018	160	0 6	3 9	< 3	63	3 3	0 18	21 9	8 2	14	< 1	79	64 3	270	81	17 9	< 0 01	1 4	9 6
21949	1 19	1 08	378	0 33	0 098	62	3 3	6 4	< 3	201	1 4	0 22	7 1	4 5	208	< 1	13	17 3	58	92	8 1	< 0 01	< 0 5	2 1
21950	3 95	0 04	469	1 61	0 015	223	< 0 1	4 4	< 3	35	5 2	0 10	26 0	7 6	4	< 1	67	69 7	302	113	20 1	< 0 01	< 0 5	10 1

Analyte Symbol	Lu	Mass	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr
Unit Symbol	ppm	g	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 05		0 1	0 3	0 01	5	0 01	0 01	0 1	0 3	0 05	0 005	0 05	0 05	0 1	0 01	0 05	1	2	1	0 005	0 01	0 1	10
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L 10+200NW 9+960NE	--	15 1	0 7	< 0 3	0 39	47	3 78	0 82	0 4	2 1	0 07	0 061	< 0 05	0 12	< 0 1	0 14	0 65	302	< 2	2	0 116	0 21	< 0 1	50
L 10+200NW 10+000NE	--	15 2	< 0 1	< 0 3	0 41	74	4 93	2 00	0 2	1 8	0 13	0 042	< 0 05	0 08	< 0 1	< 0 01	2 41	279	< 2	< 1	0 098	0 14	0 2	90
L 10+200NW 10+040NE	--	15 4	< 0 1	< 0 3	0 63	71	6 51	0 99	0 6	1 8	0 08	0 057	< 0 05	0 10	< 0 1	0 09	1 37	239	< 2	2	0 101	0 20	< 0 1	50
L 10+200NW 10+080NE		15 1	1 0	< 0 3	0 52	57	5 04	1 58	0 2	2 5	0 12	0 030	< 0 05	0 06	< 0 1	0 05	1 37	297	< 2	2	0 056	0 09	< 0 1	60
L 10+200NW 10+120NE	--	15 4	1 0	< 0 3	0 34	24	5 36	0 97	0 2	1 7	< 0 05	0 030	0 05	0 07	< 0 1	< 0 01	0 48	211	< 2	< 1	0 055	0 10	0 3	40
L 10+200NW 10+160NE	--	15 1	< 0 1	< 0 3	0 55	60	4 09	0 71	0 4	2 4	0 13	0 073	< 0 05	0 16	< 0 1	0 10	1 89	295	< 2	2	0 116	0 25	< 0 1	30
L 10+200NW 10+200NE	--	15 1	< 0 1	< 0 3	0 55	176	3 36	1 89	0 8	3 6	0 33	0 130	< 0 05	0 35	< 0 1	0 19	1 37	781	< 2	5	0 147	0 47	< 0 1	90
L 10+300NW 9+960NE	--	15 4	0 2	< 0 3	0 24	35	3 15	1 02	0 2	1 2	0 10	0 029	< 0 05	0 06	< 0 1	0 06	0 86	131	< 2	< 1	0 056	0 08	< 0 1	80
L 10+300NW 10+000NE	--	15 4	< 0 1	< 0 3	0 43	77	3 46	1 26	0 4	1 9	0 07	0 056	< 0 05	0 12	< 0 1	< 0 01	1 37	215	< 2	2	0 098	0 19	< 0 1	80
L 10+300NW 10+040NE	--	15 6	0 5	< 0 3	0 59	54	4 20	1 58	0 4	2 8	< 0 05	0 069	< 0 05	0 18	< 0 1	0 07	3 15	278	< 2	< 1	0 147	0 25	< 0 1	70
L 10+300NW 10+080NE	--	15 3	< 0 1	< 0 3	0 43	57	5 04	1 68	0 4	2 3	0 15	0 072	0 11	0 17	< 0 1	0 10	1 02	319	< 2	2	0 116	0 25	< 0 1	80
L 10+300NW 10+120NE	--	15 3	0 5	< 0 3	0 51	54	6 82	1 78	0 4	3 8	< 0 05	0 039	< 0 05	0 06	< 0 1	0 06	2 00	292	< 2	1	0 081	0 12	0 4	90
L 10+300NW 10+160NE	--	15 2	0 9	< 0 3	0 42	66	8 09	1 47	0 3	2 4	0 08	0 052	< 0 05	0 13	< 0 1	0 08	0 43	281	< 2	2	0 078	0 17	< 0 1	50
L 10+300NW 10+200NE	--	15 2	< 0 1	< 0 3	0 96	168	6 41	1 89	0 9	4 0	0 28	0 164	< 0 05	0 41	< 0 1	< 0 01	1 15	541	< 2	4	0 273	0 58	< 0 1	100
L 10+300NW 10+240NE	--	15 4	< 0 1	< 0 3	1 15	319	4 09	1 15	2 2	6 5	0 49	0 555	< 0 05	1 37	< 0 1	0 51	1 58	5360	< 2	12	0 378	1 68	< 0 1	170
L 10+300NW 10+280NE	--	15 1	< 0 1	1 3	1 26	344	6 41	1 78	1 6	6 6	0 37	0 423	< 0 05	1 05	< 0 1	0 37	1 26	3080	< 2	11	0 368	1 37	0 3	120
L 10+300NW 10+320NE	--	15 0	0 9	< 0 3	0 57	260	4 09	1 68	1 6	2 6	0 24	0 143	< 0 05	0 24	< 0 1	0 19	1 47	477	< 2	5	0 157	0 39	< 0 1	70
L 10+400NW 10+000NE	--	15 3	< 0 1	< 0 3	0 61	58	4 30	1 58	0 4	2 3	0 16	0 076	0 06	0 20	< 0 1	0 13	1 68	326	< 2	< 1	0 147	0 28	0 3	70
L 10+400NW 10+040NE	--	15 4	< 0 1	< 0 3	0 67	92	3 67	1 05	0 9	3 1	0 12	0 105	< 0 05	0 23	< 0 1	0 15	4 51	372	11	2	0 178	0 36	< 0 1	50
L 10+400NW 10+080NE	--	15 3	< 0 1	< 0 3	0 84	101	4 20	1 37	0 5	3 1	0 17	0 099	0 11	0 22	< 0 1	0 13	2 10	319	< 2	2	0 188	0 37	< 0 1	90
L 10+400NW 10+120NE		9 32	0 8	< 0 3	0 69	126	8 93	3 05	0 6	2 5	< 0 05	0 060	< 0 05	0 10	< 0 1	< 0 01	2 84	359	< 2	2	0 116	0 20	< 0 1	100
L 10+400NW 10+160NE	--	15 1	< 0 1	< 0 3	0 86	92	9 24	2 52	1 2	2 4	0 16	0 087	< 0 05	0 15	< 0 1	0 09	2 31	326	< 2	3	0 137	0 24	< 0 1	100
L 10+400NW 10+200NE	--	14 8	0 5	< 0 3	0 80	202	10 5	4 09	1 0	2 4	0 20	0 111	< 0 05	0 23	< 0 1	< 0 01	1 04	471	< 2	< 1	0 347	0 27	0 6	130
L 10+400NW 10+240NE	--	15 2	< 0 1	< 0 3	1 37	260	5 04	1 26	1 4	5 9	0 28	0 320	< 0 05	0 68	< 0 1	0 19	2 31	1310	< 2	6	0 441	1 04	< 0 1	60
L 10+400NW 10+280NE	--	15 4	< 0 1	< 0 3	1 78	336	5 25	2 00	2 1	7 2	0 47	0 456	< 0 05	1 15	< 0 1	0 37	1 15	3010	< 2	12	0 431	1 47	0 5	140
L 10+400NW 10+320NE	--	15 2	1 0	0 9	1 58	386	4 30	1 15	2 5	7 0	0 57	0 450	< 0 05	0 78	< 0 1	0 28	2 00	1630	< 2	8	0 609	1 37	< 0 1	100
L 10+400NW 10+360NE	--	15 0	< 0 1	< 0 3	2 00	160	4 09	1 89	1 4	4 1	0 25	0 212	< 0 05	0 44	< 0 1	0 18	1 02	749	< 2	3	0 388	0 66	< 0 1	90
L 10+500NW 10+040NE	--	11 1	1 4	< 0 3	2 52	52	7 45	1 15	0 4	2 6	< 0 05	0 076	< 0 05	< 0 05	< 0 1	< 0 01	0 81	466	< 2	3	0 104	0 22	< 0 1	< 10
L 10+500NW 10+080NE	--	15 3	1 0	< 0 3	2 41	60	8 72	1 15	0 5	2 7	< 0 05	0 090	< 0 05	0 14	< 0 1	0 16	0 79	417	< 2	< 1	0 137	0 29	< 0 1	60
L 10+500NW 10+120NE	--	14 9	10 1	< 0 3	4 60	104	9 70	1 20	0 6	3 9	0 18	0 128	< 0 05	0 30	< 0 1	< 0 01	2 20	535	14	2	0 200	0 45	< 0 1	40
L 10+500NW 10+160NE	--	15 3	9 7	< 0 3	5 50	88	6 20	2 30	0 7	2 8	< 0 05	0 088	0 15	0 19	< 0 1	0 14	2 40	396	< 2	2	0 130	0 29	< 0 1	100
L 10+500NW 10+200NE	--	15 4	7 2	< 0 3	20 0	52	6 40	2 10	0 3	2 2	< 0 05	0 049	< 0 05	< 0 05	< 0 1	0 12	1 60	320	< 2	< 1	0 140	0 12	< 0 1	60
L 10+500NW 10+240NE	--	11 8	11 6	< 0 3	15 0	88	5 30	1 50	0 4	2 5	0 15	0 085	< 0 05	0 07	< 0 1	0 16	1 20	374	< 2	2	0 180	0 21	0 6	60
L 10+500NW 10+280NE	--	15 3	1 1	< 0 3	1 60	298	3 70	1 20	1 6	9 1	0 52	0 397	< 0 05	0 95	< 0 1	0 45	2 20	2400	< 2	8	0 480	1 50	< 0 1	< 10
L 10+500NW 10+320NE	--	15 2	5 0	< 0 3	0 94	224	5 40	2 30	2 8	3 4	0 29	0 143	0 22	0 32	< 0 1	0 14	3 20	689	< 2	4	0 230	0 43	0 8	70
L 10+500NW 10+360NE	--	15 2	0 8	0 5	1 10	240	5 10	1 60	1 5	4 6	0 29	0 323	< 0 05	0 85	< 0 1	0 31	1 10	2550	< 2	6	0 270	0 94	0 3	110
L 10+500NW 10+400NE		15 2	1 6	< 0 3	0 89	112	7 60	2 40	0 5	3 5	0 16	0 158	< 0 05	0 26	< 0 1	< 0 01	1 70	671	< 2	3	0 250	0 40	0 4	90
L 10+600NW 10+080NE	--	11 9	1 9	< 0 3	0 69	71	4 60	1 40	0 4	2 2	0 19	0 075	< 0 05	0 12	< 0 1	0 18	1 20	264	< 2	2	0 100	0 21	< 0 1	40
L 10+600NW 10+120NE	--	13 4	1 4	< 0 3	0 55	71	5 20	2 00	0 4	1 7	0 11	0 047	< 0 05	0 08	< 0 1	0 14	3 10	210	< 2	< 1	0 100	0 14	< 0 1	80
L 10+600NW 10+160NE	--	11 5	2 5	< 0 3	0 76	74	7 40	2 20	0 7	2 0	< 0 05	0 045	< 0 05	0 07	< 0 1	0 12	2 90	256	< 2	< 1	0 097	0 14	< 0 1	70
L 10+600NW 10+200NE	--	8 03	1 1	< 0 3	0 91	58	8 50	2 60	0 4	3 8	< 0 05	0 041	< 0 05	< 0 05	< 0 1	< 0 01	2 20	325	< 2	< 1	0 180	0 13	< 0 1	100
L 10+600NW 10+240NE	--	8 94	1 8	< 0 3	1 30	43	13 0	1 80	0 5	2 2	0 17	0 038	< 0 05	0 09	< 0 1	< 0 01	1 20	283	< 2	3	0 089	0 13	< 0 1	80
L 10+600NW 10+280NE	--	12 0	< 0 1	< 0 3	1 20	77	8 00	2 60	0 9	1 5	< 0 05	0 053	< 0 05	0 11	< 0 1	< 0 01	< 0 05	301	< 2	< 1	0 200	0 17	< 0 1	110
L 10+600NW 10+320NE		12 2	< 0 1	< 0 3	1 00	96	6 70	2 90	0 5	1 5	0 14	0 059	< 0 05	0 11	< 0 1	0 12	1 70	343	< 2	2	0 130	0 16	< 0 1	90
L 10+600NW 10+360NE	--	15 1	< 0 1	< 0 3	1 20	192	5 50	3 10	1 5	3 1	0 25	0 141	< 0 05	0 30	< 0 1	0 21	1 60	807	< 2	6	0 240	0 43	0 4	100
L 10+600NW 10+400NE	--	15 4	< 0 1	< 0 3	1 10	88	6 10	2 70	0 6	2 6	0 18	0 101	< 0 05	0 24	< 0 1	0 16	1 90	379	< 2	2	0 180	0 33	< 0 1	70
L 10+600NW 10+440NE	--	15 1	< 0 1	< 0 3	1 10	33	8 70	1 50	0 6	1 9	0 12	0 080	< 0 05	0 17	< 0 1	< 0 01	0 56	328	< 2	< 1	0 120	0 27	< 0 1	60
L 10+700NW 10+160NE	--	14 8	1 0	< 0 3	1 60	152	5 60	1 10	1 0	3 0	< 0 05	0 201	0 13	0 27	< 0 1	0 11	4 80	422	< 2	2	0 550	0 58	0 6	100
L 10+700NW 10+200NE	--	15 0	0 5	< 0 3	1 30	76	4 90	0 90	0 4	3 1	0 19	0 109	0 18	0 28	< 0 1	0 11	2 00	449	< 2	3	0 200	0 44	< 0 1	30
L 10+700NW 10+240NE	--	10 2	< 0 1	< 0 3	1 20	51	8 90	1 60	0 5	1 5	0 10	0 060	< 0 05	0 10	< 0 1	< 0 01	0 95	362	< 2	< 1	0 120	0 17	< 0 1	< 10
L 10+700NW 10+280NE	--	15 1	< 0 1	< 0 3	2 70	192	14 0	3 20	2 2	4 3	0 31	0 560	< 0 05	0 88	< 0 1	< 0 01	0 82	2820	16	< 1	0 240	0 98	0 8	160
L 10+700NW 10+320NE	--	15 5	< 0 1	0 3	1 80	128	6 80	1 40	1 5	5 0	0 22	0 266	< 0 05	0 59	< 0 1	< 0 01	1 60	1070	< 2	3	0 340	0 88	0 4	70

Analyte Symbol	Lu	Mass	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr
Unit Symbol	ppm	g	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 05		0 1	0 3	0 01	5	0 01	0 01	0 1	0 3	0 05	0 005	0 05	0 05	0 1	0 01	0 05	1	2	1	0 005	0 01	0 1	10
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L 10+700NW 10+360NE	--	15 3	< 0 1	< 0 3	1 40	240	4 20	0 62	1 6	7 3	0 59	0 401	0 21	0 91	< 0 1	0 28	2 70	1450	< 2	10	0 650	1 60	0 5	60
L 10+700NW 10+400NE		11 7	< 0 1	< 0 3	0 75	63	8 50	1 20	0 5	2 4	0 13	0 073	< 0 05	0 12	< 0 1	0 23	1 70	383	< 2	< 1	0 130	0 24	< 0 1	< 10
L 10+700NW 10+440NE	--	14 9	< 0 1	< 0 3	1 10	104	7 10	0 82	0 5	4 5	0 23	0 131	0 06	0 38	< 0 1	< 0 01	0 35	570	< 2	2	0 180	0 50	0 3	50
L 10+700NW 10+480NE		13 8	< 0 1	< 0 3	1 10	62	7 50	1 50	0 9	2 5	0 17	0 083	< 0 05	0 16	< 0 1	< 0 01	0 95	373	< 2	3	0 110	0 23	< 0 1	50
L 10+800NW 10+160NE	--	8 75	< 0 1	< 0 3	0 70	62	4 30	1 30	0 3	2 7	< 0 05	0 036	< 0 05	< 0 05	< 0 1	< 0 01	2 00	255	10	< 1	0 057	0 12	< 0 1	40
L 10+800NW 10+200NE	--	8 90	< 0 1	< 0 3	0 55	76	4 10	1 50	0 3	2 8	0 12	0 035	< 0 05	< 0 05	< 0 1	0 19	0 68	207	< 2	1	0 053	0 12	< 0 1	60
L 10+800NW 10+240NE	--	10 9	< 0 1	< 0 3	0 66	91	9 24	3 36	0 4	0 9	0 20	0 064	< 0 05	0 12	< 0 1	< 0 01	1 68	332	< 2	< 1	0 097	0 20	0 5	< 10
L 10+800NW 10+280NE	--	10 5	< 0 1	< 0 3	0 65	84	8 28	1 92	0 2	1 1	< 0 05	0 044	0 20	< 0 05	< 0 1	< 0 01	2 16	277	< 2	< 1	0 052	0 13	< 0 1	70
L 10+800NW 10+320NE	--	15 0	1 6	< 0 3	1 00	75	8 76	1 32	0 5	1 7	0 12	0 076	< 0 05	0 18	< 0 1	< 0 01	1 92	323	< 2	4	0 112	0 25	< 0 1	< 10
L 10+800NW 10+360NE	--	8 01	3 8	< 0 3	1 44	60	9 72	2 04	0 4	1 5	< 0 05	0 072	< 0 05	< 0 05	< 0 1	< 0 01	2 76	413	< 2	< 1	0 098	0 14	< 0 1	< 10
L 10+800NW 10+400NE	--	11 0	3 2	< 0 3	1 32	106	15 6	2 52	0 8	1 5	< 0 05	0 103	< 0 05	< 0 05	< 0 1	< 0 01	2 16	418	< 2	< 1	0 228	0 16	< 0 1	< 10
L 10+800NW 10+440NE	--	12 3	1 2	< 0 3	1 32	78	12 0	2 64	1 1	1 8	< 0 05	0 096	0 16	0 11	< 0 1	0 32	3 24	648	< 2	4	0 113	0 25	0 2	100
L 10+800NW 10+480NE	--	11 4	< 0 1	< 0 3	0 78	69	9 24	2 16	3 1	1 1	0 14	0 058	< 0 05	< 0 05	< 0 1	< 0 01	2 04	384	< 2	5	0 132	0 16	< 0 1	70
L 10+800NW 10+520NE	--	15 3	< 0 1	< 0 3	1 68	37	8 88	0 90	1 0	1 6	< 0 05	0 104	< 0 05	0 19	< 0 1	< 0 01	1 68	349	< 2	1	0 192	0 30	0 2	50
L 10+900NW 10+200NE	--	14 1	< 0 1	< 0 3	1 03	84	4 44	1 80	0 2	1 4	0 10	0 067	< 0 05	0 13	< 0 1	0 18	1 56	350	< 2	< 1	0 120	0 24	< 0 1	50
L 10+900NW 10+240NE	--	9 20	< 0 1	< 0 3	1 02	81	10 8	1 92	0 2	1 0	0 07	0 038	< 0 05	< 0 05	< 0 1	< 0 01	0 76	410	< 2	2	0 084	0 14	< 0 1	< 10
L 10+900NW 10+280NE	--	8 40	< 0 1	< 0 3	1 10	70	10 6	1 56	0 4	1 8	0 25	0 055	< 0 05	< 0 05	< 0 1	< 0 01	1 20	420	< 2	4	0 094	0 20	< 0 1	< 10
L 10+900NW 10+320NE	--	9 54	< 0 1	< 0 3	0 72	36	8 52	1 20	0 4	1 1	0 22	0 032	< 0 05	< 0 05	< 0 1	< 0 01	1 20	377	< 2	< 1	0 088	0 12	< 0 1	< 10
L 10+900NW 10+360NE		9 45	< 0 1	< 0 3	1 32	41	7 92	2 16	0 4	1 0	< 0 05	0 042	< 0 05	< 0 05	< 0 1	< 0 01	1 01	504	< 2	2	0 064	0 13	< 0 1	80
L 10+900NW 10+400NE	--	11 6	< 0 1	< 0 3	1 08	19	13 2	1 15	0 4	1 3	< 0 05	0 031	< 0 05	< 0 05	< 0 1	< 0 01	2 40	372	< 2	< 1	0 059	0 11	< 0 1	< 10
L 10+900NW 10+440NE	--	12 2	2 8	< 0 3	0 61	36	10 7	1 44	0 2	1 5	< 0 05	0 032	< 0 05	0 07	< 0 1	< 0 01	0 56	359	< 2	< 1	0 038	0 10	< 0 1	< 10
L 10+900NW 10+480NE	--	11 1	3 4	< 0 3	0 61	33	9 72	1 44	0 4	1 3	0 13	0 031	< 0 05	< 0 05	< 0 1	0 20	1 32	277	< 2	< 1	0 049	0 10	0 2	< 10
L 10+900NW 10+520NE	--	12 8	2 8	< 0 3	0 88	58	9 84	1 92	1 6	1 5	0 29	0 083	< 0 05	0 14	< 0 1	< 0 01	1 92	352	< 2	4	0 144	0 22	< 0 1	80
L 10+900NW 10+560NE	--	14 9	2 3	< 0 3	1 20	91	10 2	1 80	1 0	2 4	0 25	0 126	< 0 05	0 24	< 0 1	< 0 01	2 04	476	< 2	2	0 216	0 41	< 0 1	70
L 11+000NW 10+200NE	--	15 1	1 6	< 0 3	0 97	106	5 76	1 80	0 4	2 1	0 08	0 083	< 0 05	0 17	< 0 1	< 0 01	3 24	331	< 2	2	0 180	0 29	< 0 1	60
L 11+000NW 10+240NE	--	15 6	2 5	< 0 3	1 32	115	6 36	2 64	0 6	2 5	0 22	0 156	< 0 05	0 32	< 0 1	< 0 01	2 64	539	< 2	< 1	0 312	0 47	< 0 1	40
L 11+000NW 10+280NE	--	8 39	< 0 1	< 0 3	0 38	71	5 60	1 90	0 5	1 8	0 10	0 039	< 0 05	< 0 05	< 0 1	< 0 01	1 60	294	< 2	4	0 058	0 14	< 0 1	50
L 11+000NW 10+320NE	--	11 2	2 5	< 0 3	0 88	106	8 16	2 40	0 4	1 5	0 23	0 064	< 0 05	0 18	< 0 1	< 0 01	4 08	414	< 2	5	0 103	0 24	< 0 1	70
L 11+000NW 10+360NE		15 2	3 1	< 0 3	0 56	89	7 32	2 64	0 5	1 1	0 18	0 060	< 0 05	0 10	< 0 1	< 0 01	3 60	374	< 2	4	0 115	0 18	< 0 1	100
L 11+000NW 10+400NE	--	13 8	2 3	< 0 3	0 55	52	6 96	1 92	0 4	0 8	< 0 05	0 036	< 0 05	< 0 05	< 0 1	< 0 01	2 28	224	< 2	2	0 082	0 11	< 0 1	60
L 11+000NW 10+440NE	--	15 2	1 9	< 0 3	1 44	115	14 4	3 60	1 1	1 1	< 0 05	0 106	< 0 05	< 0 05	< 0 1	< 0 01	2 04	312	< 2	2	0 192	0 18	0 5	120
L 11+000NW 10+480NE	--	8 69	3 2	< 0 3	0 68	36	8 28	1 80	0 4	0 9	< 0 05	0 038	< 0 05	< 0 05	< 0 1	< 0 01	1 01	404	< 2	4	0 071	0 12	0 6	< 10
L 11+000NW 10+520NE	--	15 2	1 2	< 0 3	0 40	21	6 48	1 04	0 4	1 0	< 0 05	0 041	0 11	0 07	< 0 1	< 0 01	0 50	266	< 2	< 1	0 038	0 13	< 0 1	60
L 11+000NW 10+560NE	--	15 1	1 3	< 0 3	0 76	68	6 48	1 32	0 7	2 5	0 20	0 115	< 0 05	0 23	< 0 1	< 0 01	0 22	494	< 2	4	0 204	0 40	< 0 1	60
L 11+000NW 10+600NE	--	15 4	1 7	< 0 3	0 58	134	5 76	1 06	0 6	1 8	0 18	0 090	< 0 05	0 22	< 0 1	0 19	0 37	356	< 2	2	0 107	0 30	< 0 1	40
L 11+000NW 10+640NE	--	9 02	< 0 1	< 0 3	0 56	62	6 60	1 10	0 9	1 8	0 16	0 073	< 0 05	0 09	< 0 1	0 13	0 60	290	< 2	3	0 100	0 22	< 0 1	60
L 11+100NW 10+280NE	--	15 4	1 0	< 0 3	0 97	96	8 76	2 28	0 6	1 6	0 18	0 088	< 0 05	0 17	< 0 1	< 0 01	1 80	373	< 2	2	0 156	0 29	< 0 1	70
L 11+100NW 10+320NE	--	11 2	< 0 1	< 0 3	0 50	65	8 20	1 60	0 6	1 6	0 09	0 056	< 0 05	0 09	< 0 1	0 08	1 20	282	< 2	2	0 063	0 16	< 0 1	< 10
L 11+100NW 10+360NE	--	14 6	< 0 1	< 0 3	0 29	51	4 40	1 30	0 3	1 1	0 09	0 038	< 0 05	0 06	< 0 1	0 11	0 85	228	< 2	2	0 041	0 13	< 0 1	20
L 11+100NW 10+400NE	--	15 1	< 0 1	< 0 3	1 10	74	5 10	0 74	0 7	1 8	0 12	0 091	< 0 05	0 15	< 0 1	0 13	6 30	397	< 2	3	0 200	0 26	0 4	40
L 11+100NW 10+440NE	--	10 4	0 7	< 0 3	0 46	42	11 0	0 65	0 6	1 6	< 0 05	0 054	< 0 05	0 11	< 0 1	0 15	1 60	316	< 2	< 1	0 082	0 17	< 0 1	30
L 11+100NW 10+480NE	--	9 97	< 0 1	< 0 3	0 36	34	8 60	1 30	0 5	1 3	0 07	0 035	< 0 05	0 05	< 0 1	0 13	0 64	278	< 2	2	0 050	0 12	< 0 1	60
L 11+100NW 10+520NE	--	11 0	1 3	< 0 3	0 69	44	19 0	1 50	1 1	1 9	< 0 05	0 081	< 0 05	0 15	< 0 1	0 23	0 59	449	< 2	< 1	0 150	0 23	< 0 1	< 10
L 11+100NW 10+560NE	--	15 4	< 0 1	< 0 3	0 84	35	5 90	0 90	0 5	1 8	< 0 05	0 077	< 0 05	0 17	< 0 1	0 11	0 96	345	< 2	3	0 120	0 27	< 0 1	20
L 11+100NW 10+600NE	--	8 77	< 0 1	< 0 3	1 10	88	11 0	1 40	0 8	2 6	< 0 05	0 077	< 0 05	0 16	< 0 1	0 12	0 54	348	< 2	< 1	0 092	0 26	< 0 1	90
L 11+100NW 10+640NE	--	13 1	< 0 1	< 0 3	0 84	47	9 00	0 80	0 8	1 8	< 0 05	0 053	< 0 05	0 12	< 0 1	0 11	0 71	274	< 2	< 1	0 081	0 18	< 0 1	< 10
21941	1 79	20 0	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	--
21942	2 02	18 9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21943	1 98	20 3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21944	2 08	17 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	
21945	1 76	19 8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
21946	0 36	20 4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte Symbol	Lu	Mass	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr
Unit Symbol	ppm	g	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 05		0 1	0 3	0 01	5	0 01	0 01	0 1	0 3	0 05	0 005	0 05	0 05	0 1	0 01	0 05	1	2	1	0 005	0 01	0 1	10
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
21947	0 43	19 8		--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--		--	--	
21948	2 04	26 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	
21949	0 29	22 5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	--
21950	2 15	18 8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte Symbol	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 05	0 1	0 01	0 05	2	0 01	0 1	0 3	0 001	0 05	0 1	0 001	0 005
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L 10+200NW 9+960NE	< 0 05	0 2	< 0 01	< 0 05	45	0 60	1 0	< 0 3	0 072	< 0 05	< 0 1	0 007	0 056
L 10+200NW 10+000NE	< 0 05	0 1	< 0 01	< 0 05	47	0 55	0 8	0 7	0 062	< 0 05	< 0 1	0 005	0 041
L 10+200NW 10+040NE	< 0 05	0 1	0 07	< 0 05	147	0 58	1 0	< 0 3	0 071	< 0 05	< 0 1	0 009	0 047
L 10+200NW 10+080NE	< 0 05	< 0 1	< 0 01	< 0 05	45	0 35	0 5	< 0 3	0 041	< 0 05	< 0 1	< 0 001	0 024
L 10+200NW 10+120NE	< 0 05	< 0 1	< 0 01	< 0 05	34	0 31	0 5	< 0 3	0 037	< 0 05	< 0 1	0 004	0 038
L 10+200NW 10+160NE	0 08	0 2	0 10	< 0 05	34	0 78	1 2	0 9	0 089	< 0 05	< 0 1	0 009	0 055
L 10+200NW 10+200NE	< 0 05	0 3	0 08	< 0 05	19	1 37	2 4	0 9	0 147	< 0 05	< 0 1	0 014	0 092
L 10+300NW 9+960NE	< 0 05	< 0 1	< 0 01	< 0 05	46	0 30	0 6	< 0 3	0 038	< 0 05	< 0 1	0 004	0 024
L 10+300NW 10+000NE	< 0 05	0 1	0 05	< 0 05	69	0 58	1 0	< 0 3	0 071	< 0 05	< 0 1	0 007	0 049
L 10+300NW 10+040NE	< 0 05	0 2	0 08	< 0 05	34	0 80	1 3	< 0 3	0 087	< 0 05	< 0 1	0 008	0 056
L 10+300NW 10+080NE	< 0 05	0 2	0 07	< 0 05	70	0 72	1 2	< 0 3	0 087	< 0 05	< 0 1	0 007	0 061
L 10+300NW 10+120NE	< 0 05	< 0 1	0 05	< 0 05	43	0 45	0 8	< 0 3	0 044	< 0 05	< 0 1	< 0 001	0 043
L 10+300NW 10+160NE	< 0 05	0 2	< 0 01	< 0 05	65	0 47	0 8	< 0 3	0 059	< 0 05	< 0 1	0 005	0 045
L 10+300NW 10+200NE	< 0 05	0 4	0 18	< 0 05	36	1 89	3 3	0 9	0 221	0 06	< 0 1	0 018	0 140
L 10+300NW 10+240NE	0 23	1 4	0 55	0 61	40	5 99	9 8	3 6	0 619	0 20	< 0 1	0 043	0 335
L 10+300NW 10+280NE	0 20	1 0	0 34	< 0 05	37	5 04	8 6	3 2	0 525	0 18	< 0 1	0 036	0 280
L 10+300NW 10+320NE	< 0 05	0 3	0 10	< 0 05	83	1 89	3 4	1 5	0 231	0 07	< 0 1	0 016	0 113
L 10+400NW 10+000NE	< 0 05	0 2	0 09	< 0 05	50	0 87	1 6	0 6	0 105	< 0 05	< 0 1	0 010	0 081
L 10+400NW 10+040NE	< 0 05	0 3	0 06	< 0 05	90	1 15	2 1	0 6	0 137	< 0 05	< 0 1	0 010	0 090
L 10+400NW 10+080NE	< 0 05	0 3	0 12	< 0 05	78	1 05	2 1	0 8	0 126	< 0 05	< 0 1	0 015	0 089
L 10+400NW 10+120NE	< 0 05	0 2	< 0 01	< 0 05	105	1 37	1 7	< 0 3	0 091	< 0 05	< 0 1	0 007	0 045
L 10+400NW 10+160NE	< 0 05	0 2	0 10	< 0 05	72	1 47	1 9	0 6	0 099	< 0 05	< 0 1	0 009	0 070
L 10+400NW 10+200NE	< 0 05	0 3	1 04	< 0 05	75	1 89	2 6	1 2	0 210	0 07	< 0 1	0 014	0 101
L 10+400NW 10+240NE	0 09	0 7	0 28	< 0 05	61	4 09	6 6	2 1	0 389	0 09	< 0 1	0 027	0 238
L 10+400NW 10+280NE	0 25	1 2	0 51	< 0 05	34	5 57	9 1	3 3	0 557	0 18	< 0 1	0 045	0 305
L 10+400NW 10+320NE	< 0 05	0 9	0 31	< 0 05	48	6 20	10 5	4 4	0 683	0 20	0 1	0 044	0 334
L 10+400NW 10+360NE	< 0 05	0 5	0 72	< 0 05	69	2 31	4 4	2 0	0 283	0 08	< 0 1	0 025	0 155
L 10+500NW 10+040NE	< 0 05	0 2	0 15	< 0 05	40	0 67	1 6	< 0 3	0 070	< 0 05	< 0 1	0 006	0 047
L 10+500NW 10+080NE	< 0 05	0 2	0 13	< 0 05	64	0 82	1 4	< 0 3	0 092	< 0 05	< 0 1	< 0 001	0 076
L 10+500NW 10+120NE	< 0 05	0 4	< 0 01	< 0 05	52	1 10	1 7	< 0 3	0 140	< 0 05	< 0 1	0 013	0 077
L 10+500NW 10+160NE	< 0 05	0 2	0 09	< 0 05	50	0 67	1 1	< 0 3	0 077	< 0 05	< 0 1	0 010	0 062
L 10+500NW 10+200NE	< 0 05	0 1	< 0 01	< 0 05	48	0 39	< 0 1	< 0 3	0 049	< 0 05	< 0 1	< 0 001	0 027
L 10+500NW 10+240NE	< 0 05	0 2	0 12	< 0 05	69	0 68	1 2	< 0 3	0 073	< 0 05	< 0 1	0 011	0 065
L 10+500NW 10+280NE	< 0 05	1 1	0 36	< 0 05	39	5 00	8 7	2 9	0 510	0 15	< 0 1	0 041	0 285
L 10+500NW 10+320NE	< 0 05	0 4	0 12	< 0 05	87	1 60	2 8	< 0 3	0 180	0 06	< 0 1	0 016	0 121
L 10+500NW 10+360NE	0 06	0 8	0 28	< 0 05	38	3 30	6 0	2 4	0 370	0 12	< 0 1	0 026	0 190
L 10+500NW 10+400NE	< 0 05	0 4	0 15	< 0 05	32	1 30	2 3	0 9	0 150	< 0 05	< 0 1	0 011	0 082
L 10+600NW 10+080NE	< 0 05	0 2	< 0 01	< 0 05	84	0 80	1 2	< 0 3	0 098	< 0 05	< 0 1	0 010	0 060
L 10+600NW 10+120NE	< 0 05	0 1	0 06	< 0 05	46	0 50	0 8	< 0 3	0 055	< 0 05	< 0 1	0 004	0 039
L 10+600NW 10+160NE	< 0 05	0 1	0 09	< 0 05	47	0 43	0 5	< 0 3	0 051	< 0 05	< 0 1	0 003	0 027
L 10+600NW 10+200NE	0 07	0 1	0 14	< 0 05	81	0 51	0 7	< 0 3	0 051	< 0 05	< 0 1	0 004	0 049
L 10+600NW 10+240NE	< 0 05	< 0 1	0 13	< 0 05	93	0 49	0 5	< 0 3	0 044	< 0 05	< 0 1	0 007	0 027
L 10+600NW 10+280NE	< 0 05	0 1	4 80	< 0 05	62	0 78	1 3	0 6	0 092	< 0 05	< 0 1	< 0 001	0 042
L 10+600NW 10+320NE	< 0 05	0 1	0 50	< 0 05	88	0 64	1 0	< 0 3	0 071	< 0 05	< 0 1	< 0 001	0 049
L 10+600NW 10+360NE	< 0 05	0 4	0 29	< 0 05	110	1 60	2 9	1 3	0 180	0 06	< 0 1	0 015	0 125
L 10+600NW 10+400NE	< 0 05	0 2	0 08	< 0 05	62	1 00	1 9	0 8	0 130	< 0 05	< 0 1	0 009	0 074
L 10+600NW 10+440NE	< 0 05	0 2	0 07	< 0 05	110	0 76	1 3	< 0 3	0 089	< 0 05	< 0 1	0 009	0 058
L 10+700NW 10+160NE	< 0 05	0 5	0 16	< 0 05	29	2 10	3 8	1 5	0 310	0 10	< 0 1	0 029	0 231
L 10+700NW 10+200NE	< 0 05	0 3	0 15	< 0 05	37	1 30	1 9	0 8	0 130	< 0 05	< 0 1	0 014	0 100
L 10+700NW 10+240NE	< 0 05	0 2	< 0 01	< 0 05	66	0 58	0 8	< 0 3	0 060	< 0 05	< 0 1	0 009	0 047
L 10+700NW 10+280NE	< 0 05	0 8	0 38	< 0 05	25	3 40	5 7	2 1	0 370	0 14	< 0 1	0 025	0 213
L 10+700NW 10+320NE	0 10	0 7	0 25	< 0 05	22	2 80	5 0	1 9	0 320	0 09	< 0 1	0 024	0 198

Analyte Symbol	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 05	0 1	0 01	0 05	2	0 01	0 1	0 3	0 001	0 05	0 1	0 001	0 005
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L 10+700NW 10+360NE	0 11	0 9	0 40	0 77	38	4 80	8 4	3 0	0 510	0 14	< 0 1	0 036	0 293
L 10+700NW 10+400NE	0 09	0 2	< 0 01	< 0 05	84	0 80	1 5	< 0 3	0 090	< 0 05	< 0 1	0 007	0 060
L 10+700NW 10+440NE	0 08	0 3	0 14	< 0 05	32	1 50	2 4	< 0 3	0 170	< 0 05	< 0 1	0 016	0 121
L 10+700NW 10+480NE	< 0 05	0 2	< 0 01	< 0 05	40	0 77	1 3	0 9	0 090	< 0 05	< 0 1	0 009	0 061
L 10+800NW 10+160NE	< 0 05	0 1	< 0 01	< 0 05	88	0 41	0 7	< 0 3	0 047	< 0 05	< 0 1	< 0 001	< 0 005
L 10+800NW 10+200NE	< 0 05	0 1	< 0 01	< 0 05	68	0 37	0 6	< 0 3	0 047	< 0 05	< 0 1	< 0 001	< 0 005
L 10+800NW 10+240NE	< 0 05	0 2	< 0 01	< 0 05	85	0 55	1 2	< 0 3	0 071	< 0 05	< 0 1	< 0 001	< 0 005
L 10+800NW 10+280NE	< 0 05	< 0 1	< 0 01	< 0 05	68	0 42	0 8	< 0 3	0 050	< 0 05	< 0 1	< 0 001	0 056
L 10+800NW 10+320NE	0 07	0 2	0 13	< 0 05	108	0 73	1 3	< 0 3	0 086	< 0 05	< 0 1	0 007	0 055
L 10+800NW 10+360NE	< 0 05	< 0 1	< 0 01	0 31	58	0 56	0 7	< 0 3	0 068	< 0 05	< 0 1	< 0 001	< 0 005
L 10+800NW 10+400NE	< 0 05	0 1	< 0 01	< 0 05	114	0 80	0 8	0 7	0 092	< 0 05	< 0 1	< 0 001	< 0 005
L 10+800NW 10+440NE	< 0 05	0 1	< 0 01	< 0 05	64	0 79	1 3	< 0 3	0 100	< 0 05	< 0 1	0 008	0 067
L 10+800NW 10+480NE	< 0 05	0 1	< 0 01	< 0 05	95	0 55	0 6	< 0 3	0 064	< 0 05	< 0 1	< 0 001	< 0 005
L 10+800NW 10+520NE	< 0 05	0 2	0 11	< 0 05	24	0 88	1 8	< 0 3	0 101	< 0 05	< 0 1	0 011	0 068
L 10+900NW 10+200NE	< 0 05	0 2	< 0 01	< 0 05	38	0 77	1 2	< 0 3	0 083	< 0 05	< 0 1	0 007	0 055
L 10+900NW 10+240NE	< 0 05	< 0 1	< 0 01	< 0 05	53	0 52	0 7	1 0	0 060	< 0 05	< 0 1	< 0 001	< 0 005
L 10+900NW 10+280NE	< 0 05	0 2	< 0 01	< 0 05	48	0 67	1 4	< 0 3	0 071	< 0 05	< 0 1	0 010	< 0 005
L 10+900NW 10+320NE	< 0 05	< 0 1	< 0 01	< 0 05	59	0 37	1 0	< 0 3	0 037	< 0 05	< 0 1	< 0 001	0 029
L 10+900NW 10+360NE	< 0 05	< 0 1	< 0 01	< 0 05	74	0 54	< 0 1	< 0 3	0 047	< 0 05	< 0 1	0 010	0 028
L 10+900NW 10+400NE	< 0 05	< 0 1	< 0 01	< 0 05	28	0 32	< 0 1	< 0 3	0 034	< 0 05	< 0 1	0 006	< 0 005
L 10+900NW 10+440NE	< 0 05	< 0 1	< 0 01	< 0 05	60	0 30	0 6	< 0 3	0 031	< 0 05	< 0 1	< 0 001	< 0 005
L 10+900NW 10+480NE	< 0 05	< 0 1	< 0 01	< 0 05	58	0 29	0 5	< 0 3	0 035	< 0 05	< 0 1	< 0 001	< 0 005
L 10+900NW 10+520NE	< 0 05	0 2	< 0 01	< 0 05	115	0 66	1 4	< 0 3	0 085	< 0 05	< 0 1	0 011	0 053
L 10+900NW 10+560NE	< 0 05	0 4	0 16	< 0 05	80	1 32	2 3	1 3	0 158	< 0 05	< 0 1	0 016	0 100
L 11+000NW 10+200NE	< 0 05	0 2	< 0 01	< 0 05	50	0 95	1 6	< 0 3	0 113	< 0 05	< 0 1	0 007	0 066
L 11+000NW 10+240NE	< 0 05	0 4	0 14	< 0 05	55	1 44	2 3	< 0 3	0 156	< 0 05	< 0 1	0 014	0 115
L 11+000NW 10+280NE	0 09	0 1	< 0 01	< 0 05	67	0 39	0 7	< 0 3	0 050	< 0 05	< 0 1	0 004	0 029
L 11+000NW 10+320NE	< 0 05	0 2	< 0 01	< 0 05	101	0 67	1 1	< 0 3	0 076	< 0 05	< 0 1	0 010	0 059
L 11+000NW 10+360NE	< 0 05	0 1	< 0 01	< 0 05	79	0 68	0 7	< 0 3	0 076	< 0 05	< 0 1	0 007	0 050
L 11+000NW 10+400NE	< 0 05	< 0 1	< 0 01	< 0 05	59	0 31	0 5	< 0 3	0 041	< 0 05	< 0 1	< 0 001	0 031
L 11+000NW 10+440NE	< 0 05	0 1	< 0 01	< 0 05	110	0 76	1 2	1 1	0 092	< 0 05	< 0 1	0 007	0 072
L 11+000NW 10+480NE	< 0 05	< 0 1	< 0 01	< 0 05	53	0 29	0 5	< 0 3	0 041	< 0 05	< 0 1	< 0 001	< 0 005
L 11+000NW 10+520NE	< 0 05	< 0 1	< 0 01	< 0 05	61	0 36	0 6	< 0 3	0 044	< 0 05	< 0 1	0 006	0 025
L 11+000NW 10+560NE	< 0 05	0 2	0 16	< 0 05	94	1 20	2 3	< 0 3	0 144	< 0 05	< 0 1	0 010	0 096
L 11+000NW 10+600NE	< 0 05	0 2	0 08	< 0 05	87	0 88	1 4	0 8	0 108	< 0 05	< 0 1	0 011	0 087
L 11+000NW 10+640NE	< 0 05	0 2	0 06	< 0 05	51	0 78	1 6	0 7	0 100	< 0 05	< 0 1	0 009	0 082
L 11+100NW 10+280NE	< 0 05	0 2	< 0 01	< 0 05	77	0 92	1 4	< 0 3	0 119	< 0 05	< 0 1	0 007	0 056
L 11+100NW 10+320NE	< 0 05	0 1	< 0 01	< 0 05	71	0 81	1 0	< 0 3	0 070	< 0 05	< 0 1	< 0 001	0 027
L 11+100NW 10+360NE	< 0 05	< 0 1	< 0 01	< 0 05	57	0 35	0 6	< 0 3	0 050	< 0 05	< 0 1	< 0 001	0 027
L 11+100NW 10+400NE	< 0 05	0 2	0 11	< 0 05	19	1 00	1 8	0 8	0 110	< 0 05	< 0 1	0 011	0 059
L 11+100NW 10+440NE	0 07	0 2	0 09	< 0 05	130	0 56	0 8	0 7	0 060	< 0 05	< 0 1	0 006	0 047
L 11+100NW 10+480NE	< 0 05	< 0 1	0 06	< 0 05	68	0 41	0 7	< 0 3	0 040	< 0 05	< 0 1	< 0 001	< 0 005
L 11+100NW 10+520NE	< 0 05	0 2	< 0 01	< 0 05	65	0 65	1 2	< 0 3	0 080	< 0 05	< 0 1	0 008	0 054
L 11+100NW 10+560NE	< 0 05	0 2	0 08	< 0 05	75	0 87	1 4	< 0 3	0 110	< 0 05	< 0 1	0 008	0 071
L 11+100NW 10+600NE	< 0 05	0 2	< 0 01	< 0 05	70	0 81	1 3	< 0 3	0 100	< 0 05	< 0 1	0 009	0 053
L 11+100NW 10+640NE	< 0 05	0 1	< 0 01	< 0 05	49	0 59	1 0	< 0 3	0 070	< 0 05	< 0 1	0 008	0 044
21941		–			–	–	–	–		–	–	–	–
21942	–	–	–	–	–	–	–	–	–	–	–		–
21943	–	–	–	–	–	–	–	–	–	–	–	–	–
21944	–	–	–	–	–	–	–	–	–	–	–		–
21945	–	–	–	–	–	–	–	–	–	–	–	–	–
21946	–	–	–	–	–	–	–	–	–	–	–		–

Quality Control

Analyte Symbol	Au	Ag	Ag	Cu	Cd	Mo	Pb	Ni	Ni	Zn	Zn	S	Al	As	Ba	Be	Bi	Br	Ca	Co	Cr	Cs	Eu	Fe
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
Detection Limit	2	0 3	5	1	0 3	1	3	1	20	1	50	0 01	0 01	0 5	50	1	2	0 5	0 01	1	2	1	0 2	0 01
Analysis Method	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	TD ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	TD-ICP	TD-ICP	INAA	INAA	TD ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	INAA
GXR 1 Meas		30 4		1110	4 1	15	660	42		765		0 23	2 28			1	1380		0 82					
GXR 1 Cert		31 0		1110	3 30	18 0	730	41 0		760		0 257	3 52			1 22	1380		0 960					
DNC 1 Meas		< 0 3		100		< 1	7	243		62		0 06	9 36			< 1	< 2		7 90					
DNC 1 Cert		0 0270		96 0		0 700	6 30	247		66 0		0 0390	9 69			1 00	0 0200		8 06					
GXR 4 Meas		3 7		5860	0 8	314	57	45		76		1 78	6 34			2	18		1 03					
GXR 4 Cert		4 00		6520	0 860	310	52 0	42 0		73 0		1 77	7 20			1 90	19 0		1 01					
GXR 2 Meas		18 0		74	2 6	1	582	19		506		0 03	17 1			2	< 2		1 00					
GXR 2 Cert		17 0		76 0	4 10	2 10	690	21 0		530		0 0313	16 5			1 70	0 690		0 930					
L STD Meas																								
L STD Cert																								
L STD Meas																								
L STD Cert																								
L STD Meas																								
L STD Cert																								
SDC 1 Meas		< 0 3		31	0 5 ⁄	< 1	19	39		107		0 08	8 40			3	< 2		1 19					
SDC 1 Cert		0 0410		30 0	0 0800	0 250	25 0	38 0		103		0 0650	8 34			3 00	2 60		1 00					
SCO-1 Meas		0 3		30	0 4	< 1	32	29		105			7 38			2	< 2		2 07					
SCO 1 Cert		0 134		28 7	0 140	1 37	31 0	27 0		103			7 24			1 84	0 370		1 87					
GXR-6 Meas		0 4		67	1 4	3	93	27		134		0 02	13 0			1	< 2		0 20					
GXR 6 Cert		1 30		66 0	1 00	2 40	101	27 0		118		0 0160	17 7			1 40	0 290		0 180					
OREAS 13P Meas				2720				1960																
OREAS 13P Cert				2500				2260																
DMMAS-104 Meas	207										< 50			1540	920					42	104		1 4	5 77
DMMAS 104 Cert	229										96 2			1570	850					48 8	95 1		1 2	5 61
21946 Orig		< 0 3		15	< 0 3	3	26	15		49		0 10	6 22			3	< 2		2 12					
21946 Dup		< 0 3		13	< 0 3	1	30	16		36		0 09	6 51			2	< 2		2 12					
21950 Split	< 2	< 0 3	< 5	8	0 4	< 1	21	4	< 20	103	< 50	< 0 01	6 85	5 1	800	5	< 2	< 0 5	0 39	< 1	8	5	2 6	2 28
Method Blank Method Blank		< 0 3		< 1	< 0 3	< 1	< 3	< 1		< 1		< 0 01	< 0 01			< 1	< 2		< 0 01					
Method Blank Method Blank		< 0 3		1	< 0 3	< 1	< 3	< 1		< 1		< 0 01	< 0 01			< 1	< 2		< 0 01					
Method Blank Method Blank		< 0 3		< 1	< 0 3	< 1	< 3	< 1		< 1		< 0 01	< 0 01			< 1	< 2		< 0 01					
Method Blank Method Blank		< 0 3		< 1	< 0 3	< 1	< 3	< 1		35		< 0 01	0 30			< 1	< 2		0 01					

Quality Control

Analyte Symbol	Hf	Hg	Ir	K	Mg	Mn	Na	P	Rb	Sb	Sc	Se	Sr	Ta	Ti	Th	U	V	W	Y	La	Ce	Nd	Sm
Unit Symbol	ppm	ppm	ppb	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	5	0 01	0 01	1	0 01	0 001	15	0 1	0 1	3	1	0 5	0 01	0 2	0 5	2	1	1	0 5	3	5	0 1
Analysis Method	INAA	INAA	INAA	TD-ICP	TD ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	INAA
GXR 1 Meas				0 04	0 20	855		0 053					281					83		30				
GXR 1 Cert				0 0500	0 217	852		0 0650					275					80 0		32 0				
DNC 1 Meas				0 19	5 84	1080		0 025					134		0 29			144		16				
DNC-1 Cert				0 190	6 06	1150		0 0370					145		0 287			148		18 0				
GXR 4 Meas				1 61	1 63	148		0 118					205					86		14				
GXR-4 Cert				4 01	1 66	155		0 120					221					87 0		14 0				
GXR 2 Meas				1 30	1 01	943		0 081					162					49		19				
GXR 2 Cert				1 37	0 850	1010		0 105					160					52 0		17 0				
L STD Meas																								
L STD Cert																								
L STD Meas																								
L STD Cert																								
L STD Meas																								
L STD Cert																								
SDC 1 Meas				2 32	1 06	923		0 055					183		0 45			81		37				
SDC 1 Cert				2 72	1 02	883		0 0690					183		0 606			102		40 0				
SCO-1 Meas				2 37	1 67	409		0 081					168		0 37			136		22				
SCO 1 Cert				2 30	1 64	410		0 0900					174		0 380			131		26 0				
GXR 6 Meas				1 88	0 65	1110		0 036					43					154		14				
GXR 6 Cert				1 87	0 609	1010		0 0350					35 0					186		14 0				
OREAS 13P Meas																								
OREAS 13P Cert																								
DMMAS 104 Meas							3 43			8 3	14 1					6 8	56 4		< 1		35 9	139	92	19 5
DMMAS 104 Cert							3 43			6 2	14 1					8 3	71 9		6		36 6	62 9	18 8	4 3
21946 Orig				3 12	0 60	389		0 031					273		0 17			29		14				
21946 Dup				2 28	0 59	375		0 028					275		0 14			25		15				
21950 Split	16	< 1	< 5	2 86	0 05	454	1 55	0 008	210	< 0 1	3 9	< 3	36	2 7	0 14	25 2	8 3	4	< 1	70	66 8	293	122	18 7
Method Blank Method Blank				< 0 01	< 0 01	1		< 0 001					< 1		< 0 01			< 2		< 1				
Method Blank Method Blank				< 0 01	< 0 01	4		< 0 001					< 1		< 0 01			< 2		< 1				
Method Blank Method Blank				< 0 01	< 0 01	< 1		< 0 001					< 1		< 0 01			< 2		< 1				
Method Blank Method Blank				0 01	0 02	11		0 001					8		< 0 01			< 2		< 1				

Quality Control

Analyte Symbol	Sn	Tb	Yb	Lu	Mass	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	%	ppm	ppm	ppm	g	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 01	0 5	0 2	0 05		0 1	0 3	0 01	5	0 01	0 01	0 1	0 3	0 05	0 005	0 05	0 01	0 05	1	2	1	0 005	0 01	0 1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR 1 Meas																								
GXR 1 Cert																								
DNC 1 Meas																								
DNC 1 Cert																								
GXR 4 Meas																								
GXR 4 Cert																								
GXR 2 Meas																								
GXR 2 Cert																								
L STD Meas						1 7	< 0 3	0 84	39	2 40	1 80	0 5	5 0	< 0 05	0 072	0 50	0 43	< 0 05	350	< 2	< 1	0 110	0 38	< 0 1
L STD Cert						1 40	0 300	1 00	33 0	2 50	2 00	0 400	4 70	0 100	0 0750	0 300	0 471	0 190	356	2 00	3 00	0 100	0 200	0 300
L STD Meas						1 5	< 0 3	0 70	37	2 70	1 80	0 6	4 7	< 0 05	0 075	0 55	0 50	< 0 05	339	< 2	< 1	0 110	0 38	< 0 1
L STD Cert						*1 40*	*0 300*	*1 00*	*33 0*	*2 50*	*2 00*	*0 400*	*4 70*	*0 100*	*0 0750*	*0 300*	*0 471*	*0 190*	356	*2 00*	*3 00*	*0 100*	*0 200*	*0 300*
L STD Meas						1 7	< 0 3	0 90	36	2 73	1 89	0 6	5 3	< 0 05	0 078	0 40	0 45	< 0 05	305	< 2	< 1	0 096	0 49	< 0 1
L STD Cert						1 40	0 300	1 00	33 0	2 50	2 00	0 400	4 70	0 100	0 0750	0 300	0 471	0 190	356	2 00	3 00	0 100	0 200	0 300
SDC 1 Meas																								
SDC 1 Cert																								
SCO 1 Meas																								
SCO 1 Cert																								
GXR 6 Meas																								
GXR 6 Cert																								
OREAS 13P Meas																								
OREAS 13P Cert																								
DMMAS-104 Meas			4 0	< 0 05																				
DMMAS 104 Cert			3 0	0 4																				
21946 Orig																								
21946 Dup																								
21950 Split	< 0 01	< 0 5	9 5	1 89	20 4																			
Method Blank Method Blank																								
Method Blank Method Blank																								
Method Blank Method Blank																								
Method Blank Method Blank																								

Quality Control

Analyte Symbol	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Lu	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	0 1	0 01	2	0 01	0 1	0 3	0 001	0 05	0 001	0 005
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
GXR 1 Meas											
GXR 1 Cert											
DNC 1 Meas											
DNC 1 Cert											
GXR 4 Meas											
GXR 4 Cert											
GXR 2 Meas											
GXR 2 Cert											
L STD Meas	50	0 4	0 10	37	2 70	2 2	2 0	0 310	0 10	0 036	0 280
L STD Cert	51 0	0 200	0 0600	34 0	2 40	2 10	1 80	0 290	0 0800	0 0150	0 105
L STD Meas	50	0 2	0 08	35	2 40	2 9	1 7	0 330	0 10	0 021	0 171
L STD Cert	51 0	0 200	0 0600	34 0	2 40	2 10	1 80	0 290	0 0800	0 0150	0 105
L STD Meas	50	0 3	0 50	33	2 94	2 8	1 5	0 320	0 13	0 025	0 209
L STD Cert	51 0	0 200	0 0600	34 0	2 40	2 10	1 80	0 290	0 0800	0 0150	0 105
SDC 1 Meas											
SDC 1 Cert											
SCO-1 Meas											
SCO 1 Cert											
GXR 6 Meas											
GXR 6 Cert											
OREAS 13P Meas											
OREAS 13P Cert											
DMMAS 104 Meas											
DMMAS 104 Cert											
21946 Orig											
21946 Dup											
21950 Split											
Method Blank Method Blank											
Method Blank Method Blank											
Method Blank Method Blank											
Method Blank Method Blank											

APPENDIX

LIST OF CLAIMS

Yukon
Energy, Mines and Resources

Claim Status Report

04 October 2007

	Claim Name and Nbr	Grant No	Expiry Date	Registered Owner	% Owned	NTS #'s
	MAVERICK 24	YC26066	2015/06/15	A M Carlos	100 00	105K02
	MAVERICK 25 - 28	YC26067 - YC26070	2016/06/15	A M Carlos	100 00	105K02
	MAVERICK 29	YC26071	2015/06/15	A M Carlos	100 00	105K02
	MAVERICK 30 - 36	YC26072 - YC26078	2016/06/15	A M Carlos	100 00	105K02
	MAVERICK 37 - 42	YC30101 - YC30106	2014/10/01	A M Carlos	100 00	105K02
	MAVERICK 43 - 48	YC30107 - YC30112	2013/10/01	A M Carlos	100 00	105K02, 105K03
	SLEEPER 1 - 10	YC29987 - YC29996	2014/08/23	A M Carlos	100 00	105F15
R	SLEEPER 11 - 24	YC53920 - YC53933	2012/08/31	A M Carlos	100 00	105F15

Criteria(s) used for search

CLAIM NTS 105F15 , 105K02 , 105K03 CLAIM STATUS ACTIVE & PENDING OWNER(S) CARLOS A M REGULATION TYPE QUARTZ

Total claims selected 238

Left column indicator legend

R - Indicates the claim is on one or more pending renewal(s)

P - Indicates the claim is pending

Right column indicator legend

L - Indicates the Quartz Lease

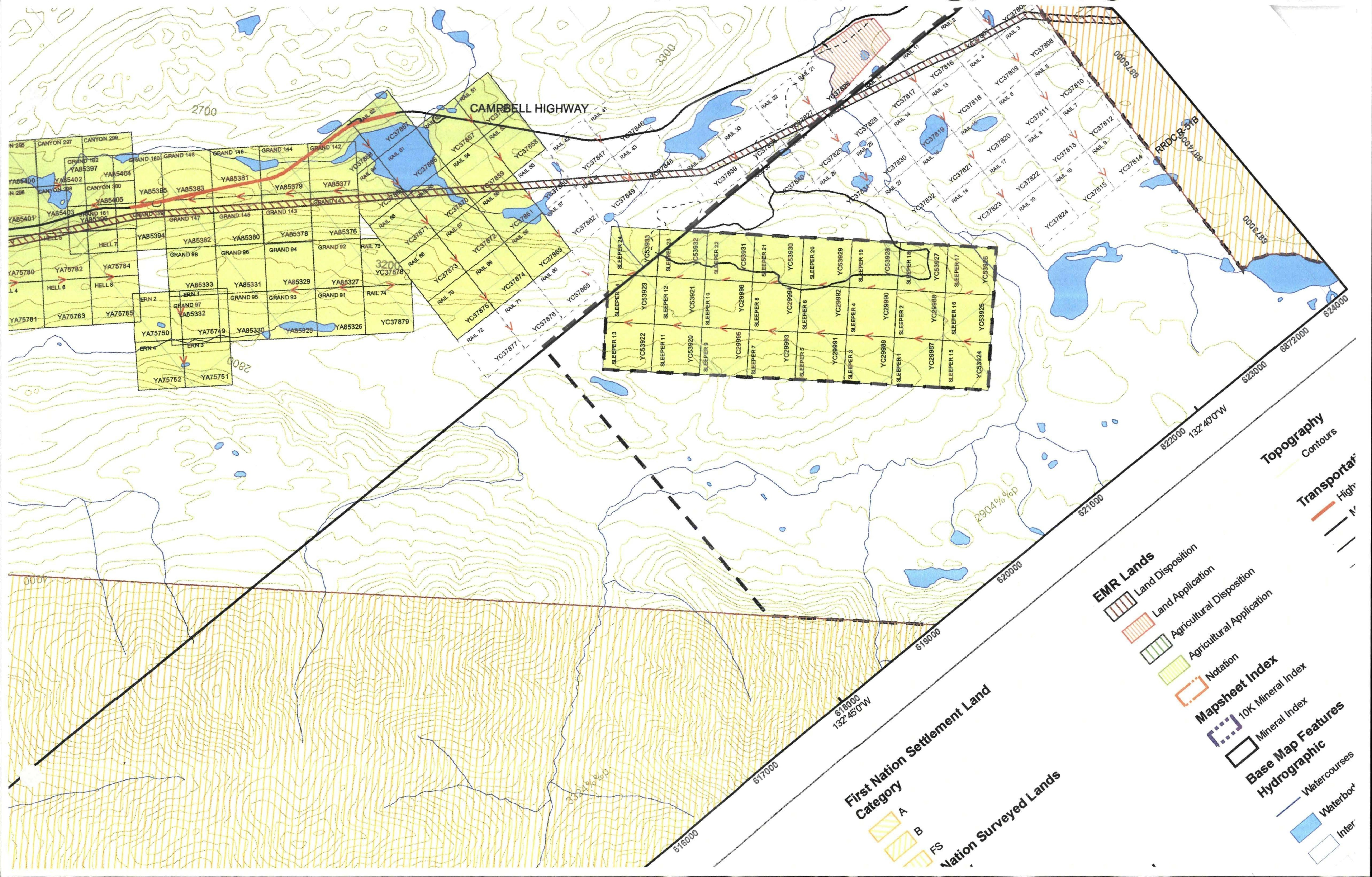
F - Indicates Full Quartz fraction (25+ acres)

P - Indicates Partial Quartz fraction (<25 acres)

D - Indicates Placer Discovery

C - Indicates Placer Codiscovery

B - Indicates Placer Fraction



First Nation Settlement Land Category
A
B
FS
Nation Surveyed Lands
EMR Lands
Land Disposition
Land Application
Agricultural Disposition
Agricultural Application
Notation
Mapsheet Index
10K Mineral Index
Mineral Index
Base Map Features
Hydrographic
Watercourses
Topography
Contours
CAMPBELL HIGHWAY
RRDC R-51B
132°45'0"W
132°40'0"W
616000
617000
618000
619000
620000
621000
622000
623000
624000
6872000
6873000
6874000
6875000
2700
2800
3200
3300

APPENDIX 1

STATEMENT OF QUALIFICATIONS

ALLEN M. CARLOS, PROSPECTOR

I, Allen M. Carlos of Whitehorse, Yukon Territory, hereby certify that:

1. I have been actively engaged as a mineral prospector in Western Canada for 35 years, initially for a major company, then as an independent.

2. I studied 3 years at the University of Saskatchewan:
One year of Engineering followed by 2 years Arts and Science (Geology).

3. I worked one year in northern Saskatchewan as a student assistant for the Department of Mineral Resources.

4. I have for the last 18 years spent much time researching papers regarding Volcanic Hosted Epithermal type deposits.

5. In 1983 I was responsible for discovering the Grew Creek precious metal deposit, the first epithermal deposit of this type along the Tintina Trench in Yukon.

6. I planned and with the aid of my sons, carried out the current program.

Signed,

Allen M. Carlos, PROSPECTOR

CW28103

Work on Sleeper Claims: July 18 - Aug. 14 . 2007

RECEIVED
AUG 2 1 2007
MINING RECORDER
WHITEHORSE, Y.T.
GOVERNMENT OF YUKON

Total Grid Cut Lines: 29.16 Km

#2 Grid New lines: 2.84 Km

#3 Grid new lines: 4.2 Km

1. total Grid E.M. + MAG @ 250.00 Km = 29.16 x 250.00 = $7290.00

2. Collecting 98 Samples for geochemistry on existing grid — $400.00

3. Establishing new cut lines @ 300.00 Per — $2015.00

4. Collection + pH determination for 528 Soil Samples:

#2 Grid: 208 Samples over 15 lines = 7.2 Km @ $175.00 Per — $1260.00

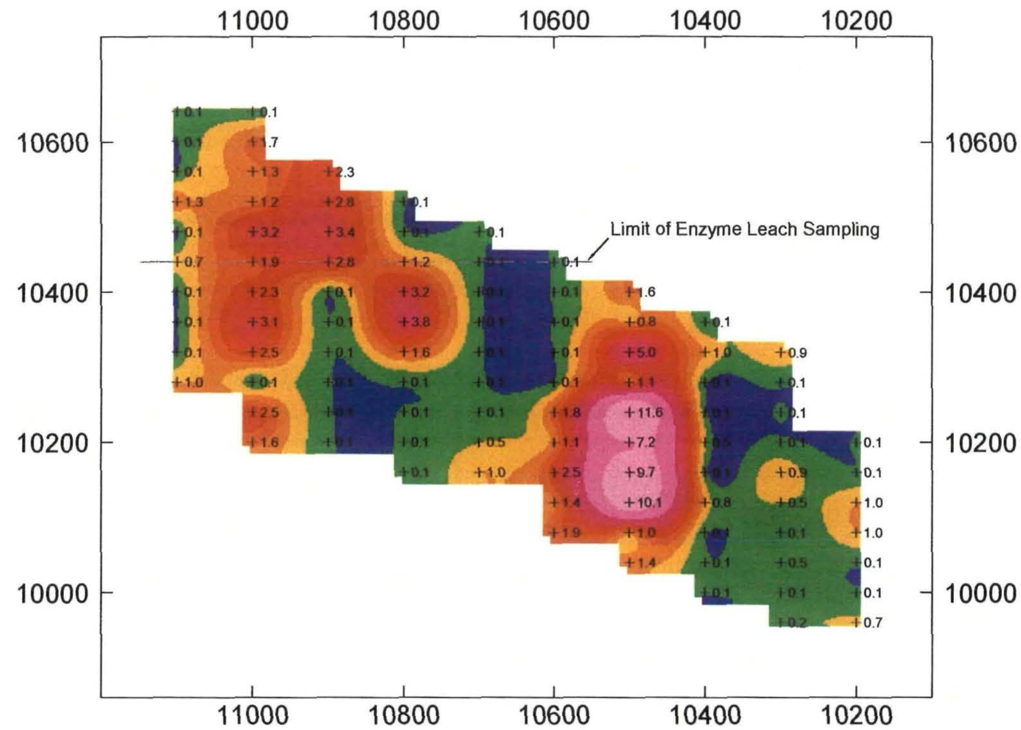
#3 Grid: 222 Samples over 14 lines = 6.16 Km @ 175.00 Per — $1078.00

Total Value of work = $12,440.00

Total Value of Work Portioned to Individual Claims:

Sleeper #1	$1195.00
Sleeper #2	$2228.00
Sleeper #3	$2149.00
Sleeper #4	$1616.20
Sleeper #5	$2096.00
Sleeper #6	$904.20
Sleeper #7	$623.00
Sleeper #8	$523.00
Sleeper #9	$623.00
Sleeper #10	$493.80
total	$12440.00

094875



Gridding method: minimum curvature
Grid cell size 10 metres

7.5
5.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

Au ppb

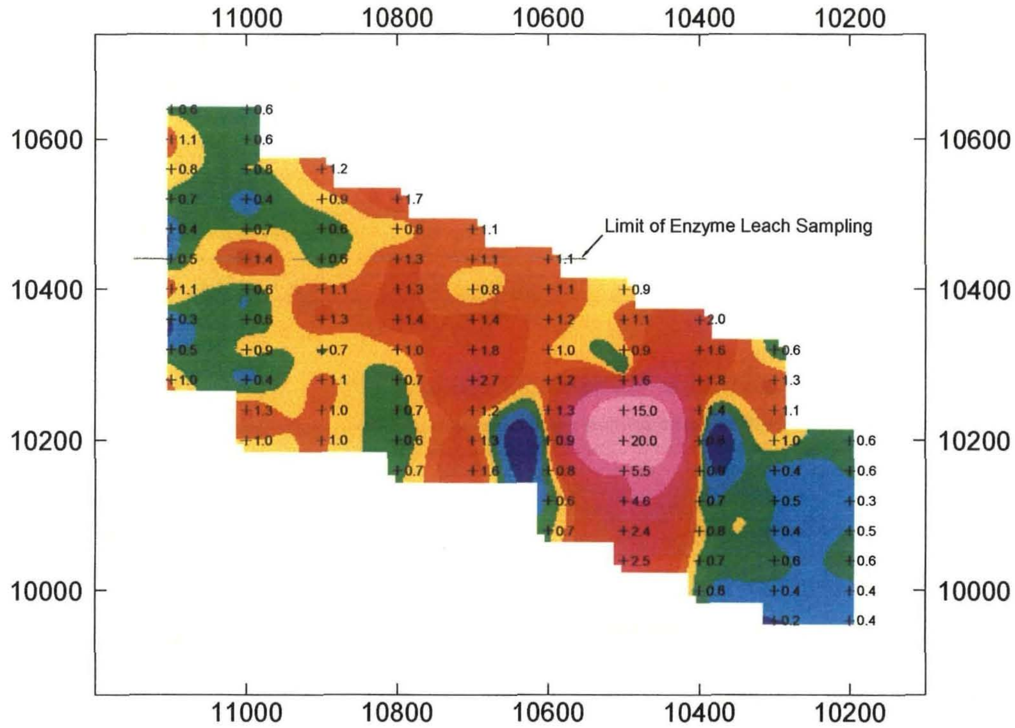
Scale 1:10000

100 0 100 200 300

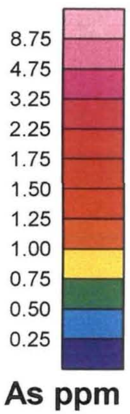
(metres)
Local Grid

094875

Allen Carlos
Sleeper Prospect (north periphery of western E.L. halo anomaly)
Vegetation (peat) above humus zone, Au ppb INAA, contour interval 0.5 ppb December 21, 2007



Gridding method: minimum curvature
Grid cell size 10 metres



Scale 1:10000

100 0 100 200 300

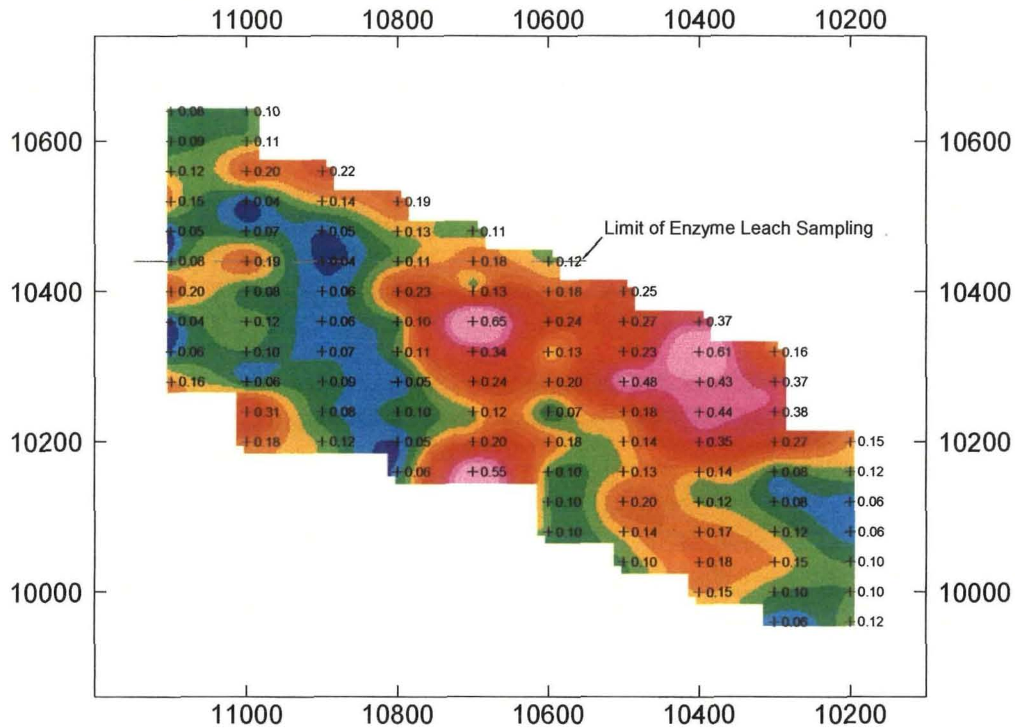
(metres)
Local Grid

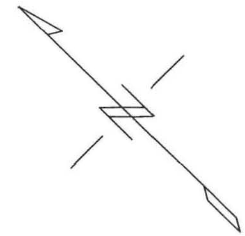
094875

Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, As ppm INAA, contour interval 0.25 ppm
December 21, 2007





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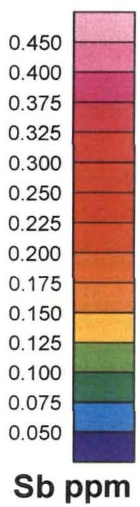
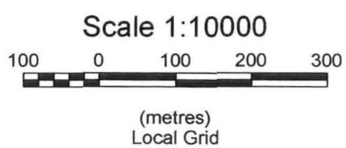
Grid cell size 10 metres



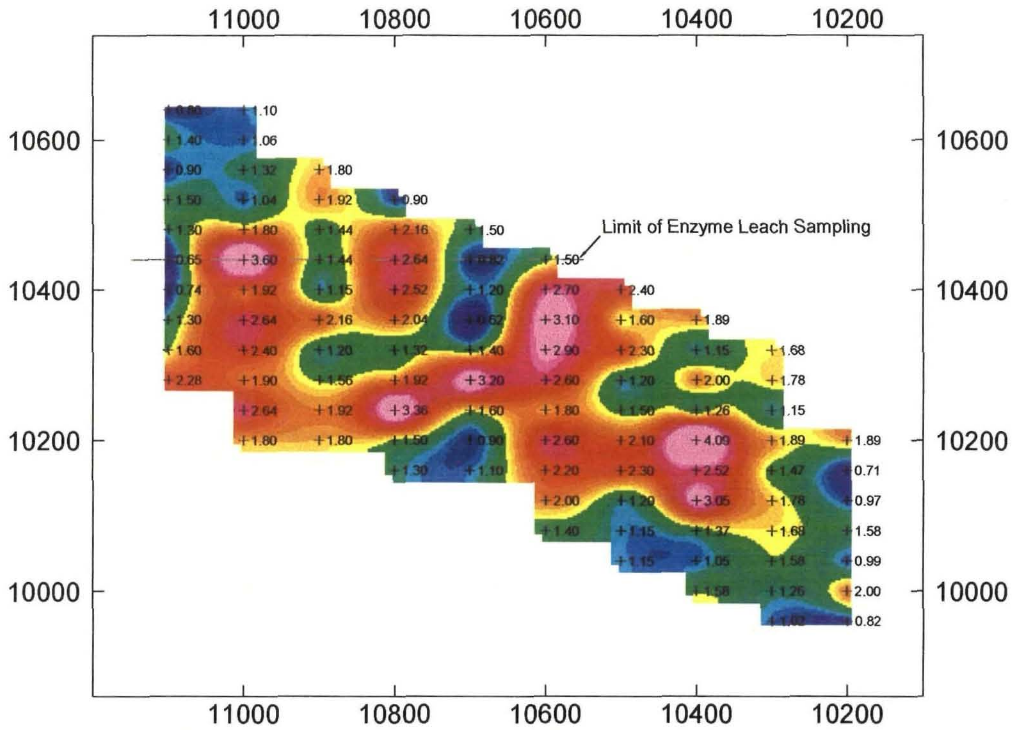


094875

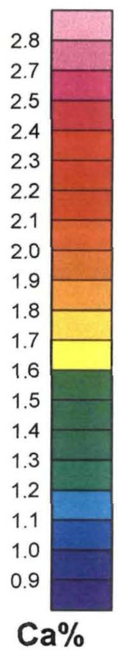
Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Sb ppm INAA, contour interval 0.025 ppm
December 21, 2007



Gridding method: minimum curvature
Grid cell size 10 metres



Scale 1:10000

100 0 100 200 300

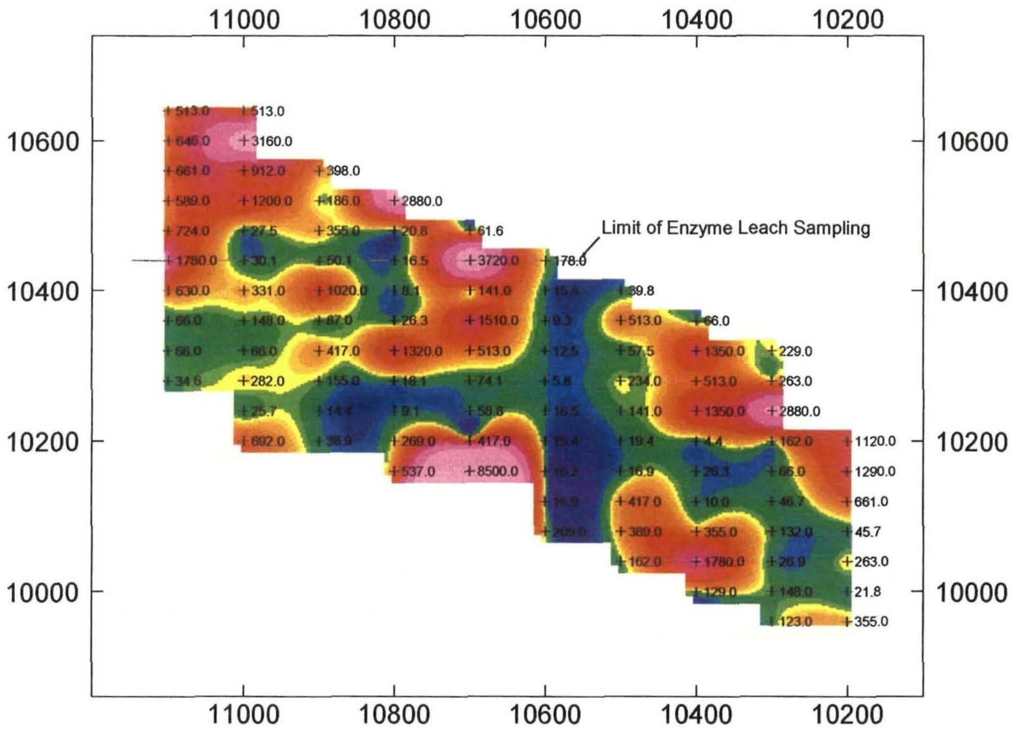
(metres)
Local Grid

094875

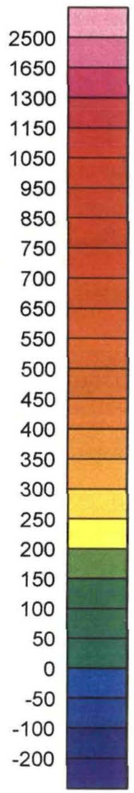
Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Ca% INAA, contour interval 0.1%
December 21, 2007

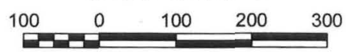


Gridding method: minimum curvature
Grid cell size 10 metres



H+ moles

Scale 1:10000



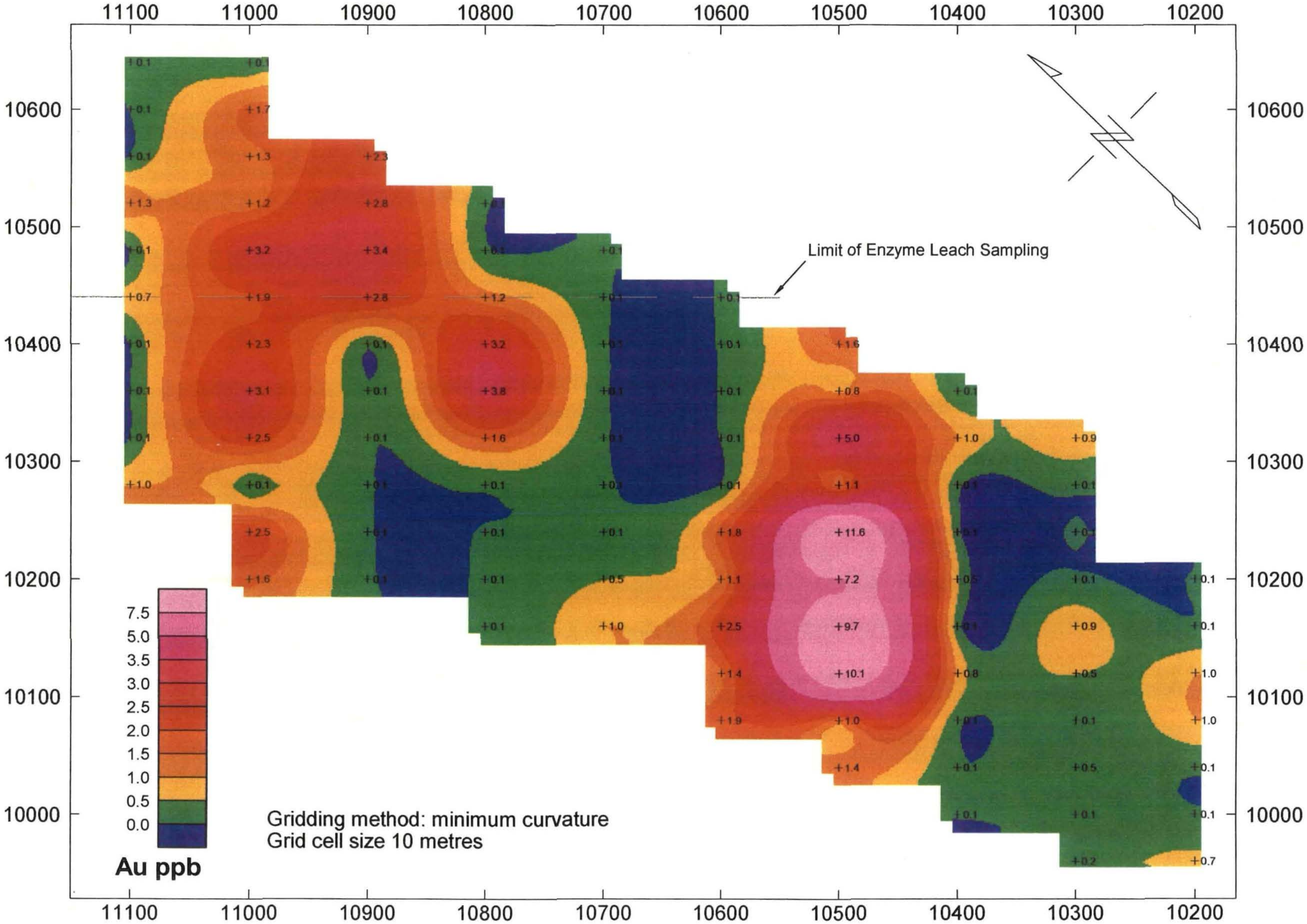
(metres)
Local Grid

094 875

Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

H+ moles @ 10 (minus 8) factor, vegetation (peat) above humus zone, contour interval 50
December 21, 2007



Scale 1:5000

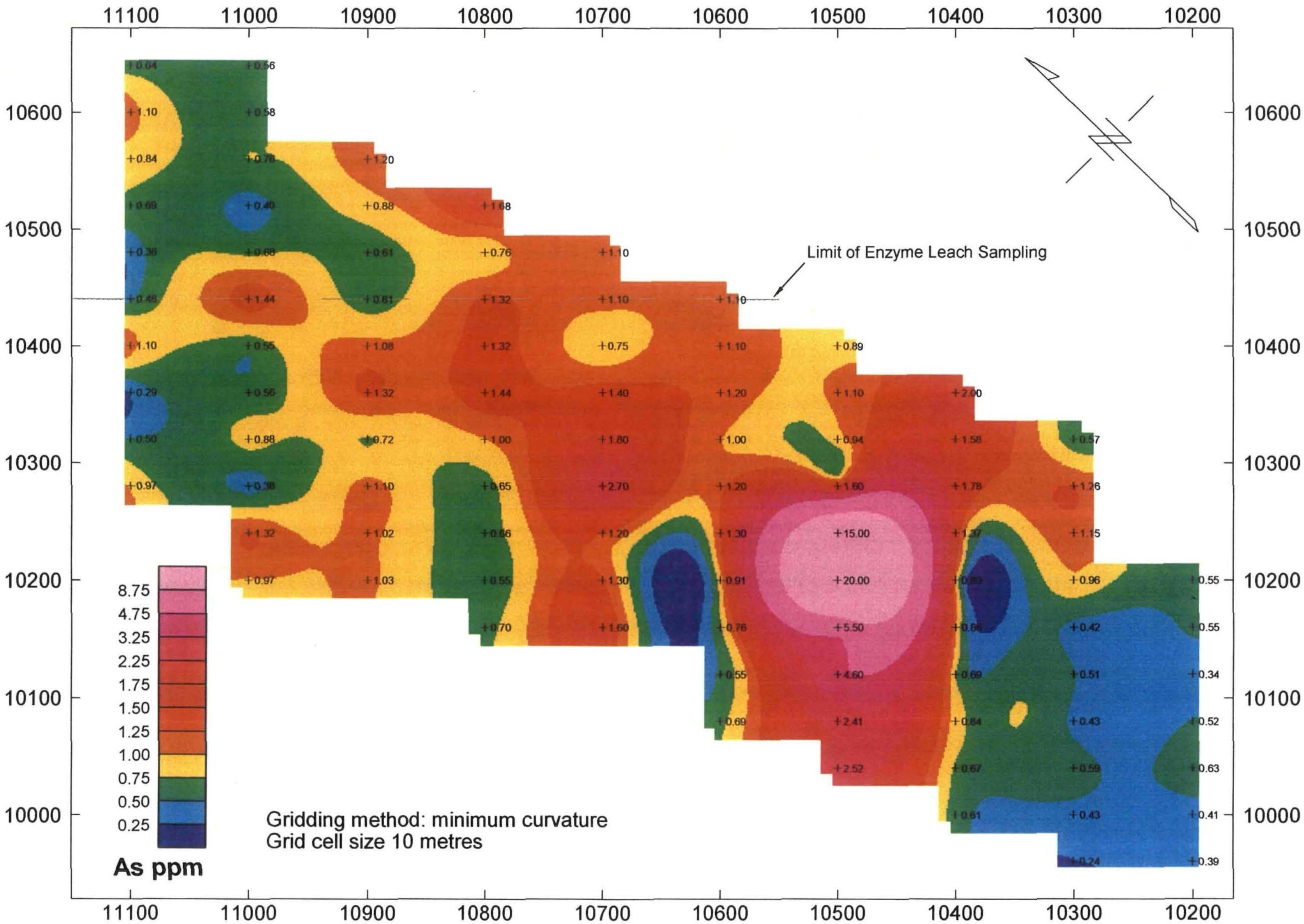
50 0 50 100 150

(metres)
Local Grid

Allen Carlos **094875**

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Au ppb INAA, contour interval 0.5 ppb
December 21, 2007



Scale 1:5000

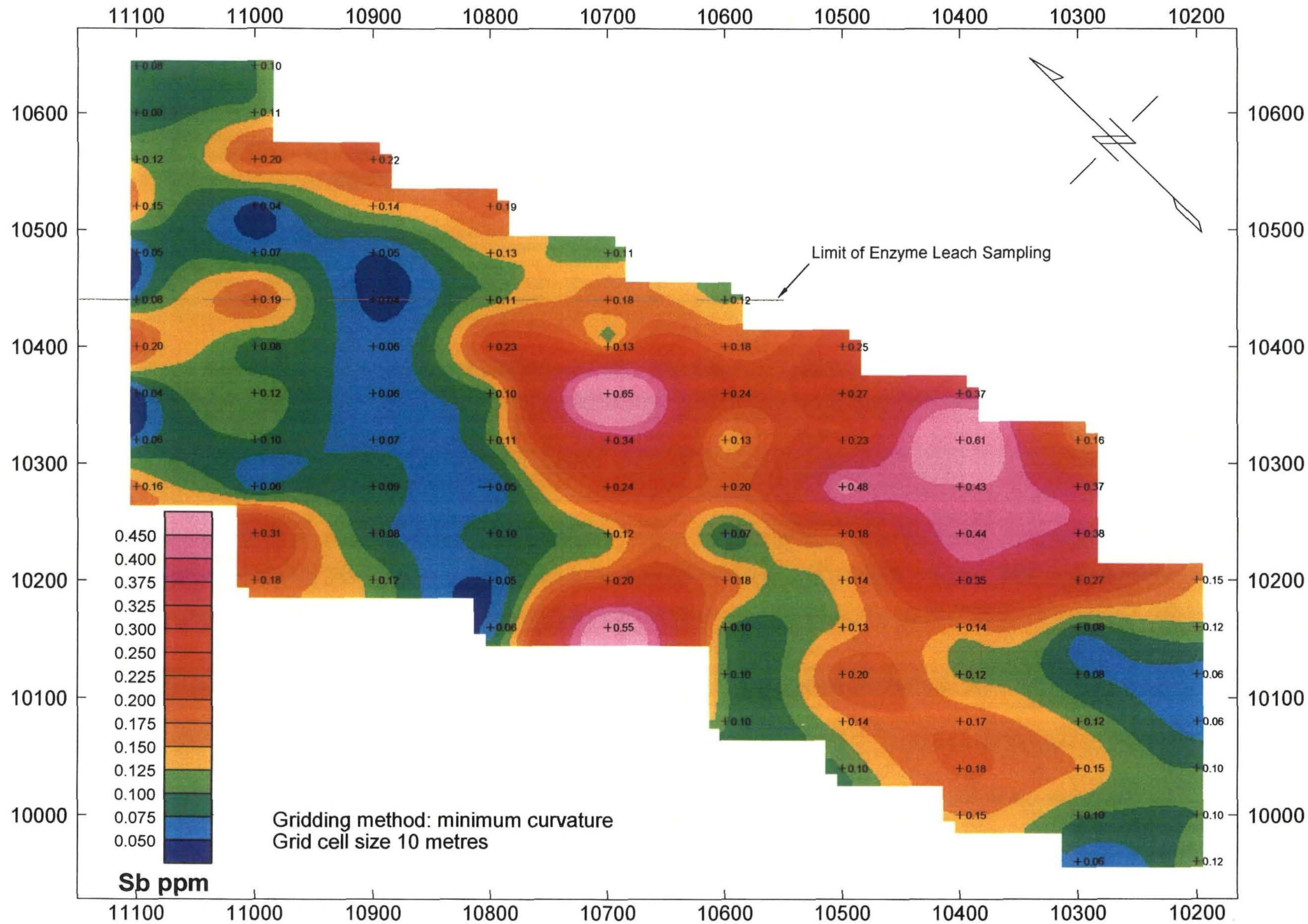
50 0 50 100 150

(metres)
Local Grid

Allen Carlos 094875

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, As ppm INAA, contour interval 0.25 ppm
December 21, 2007



Scale 1:5000

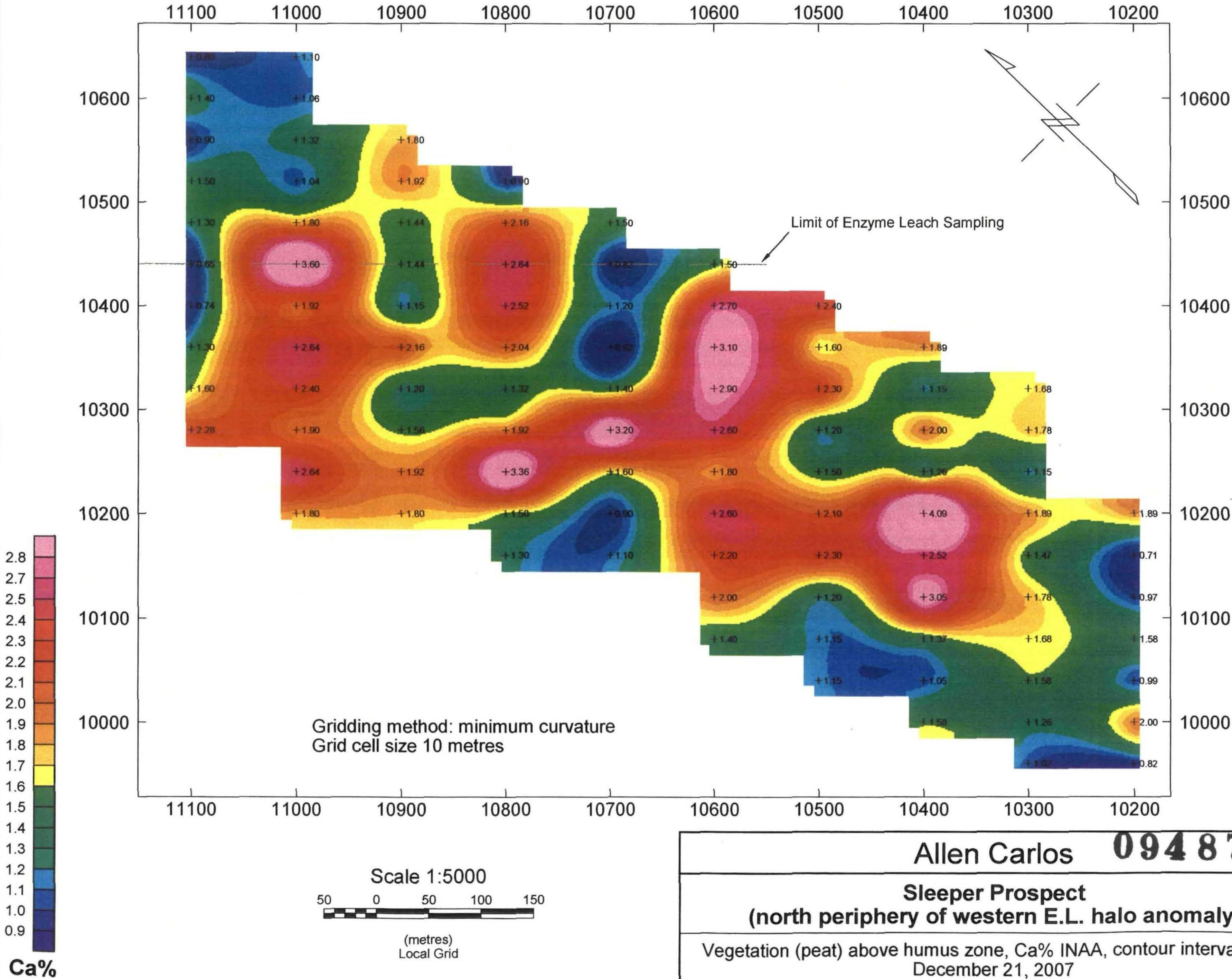
50 0 50 100 150

(metres)
Local Grid

Allen Carlos 094875

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

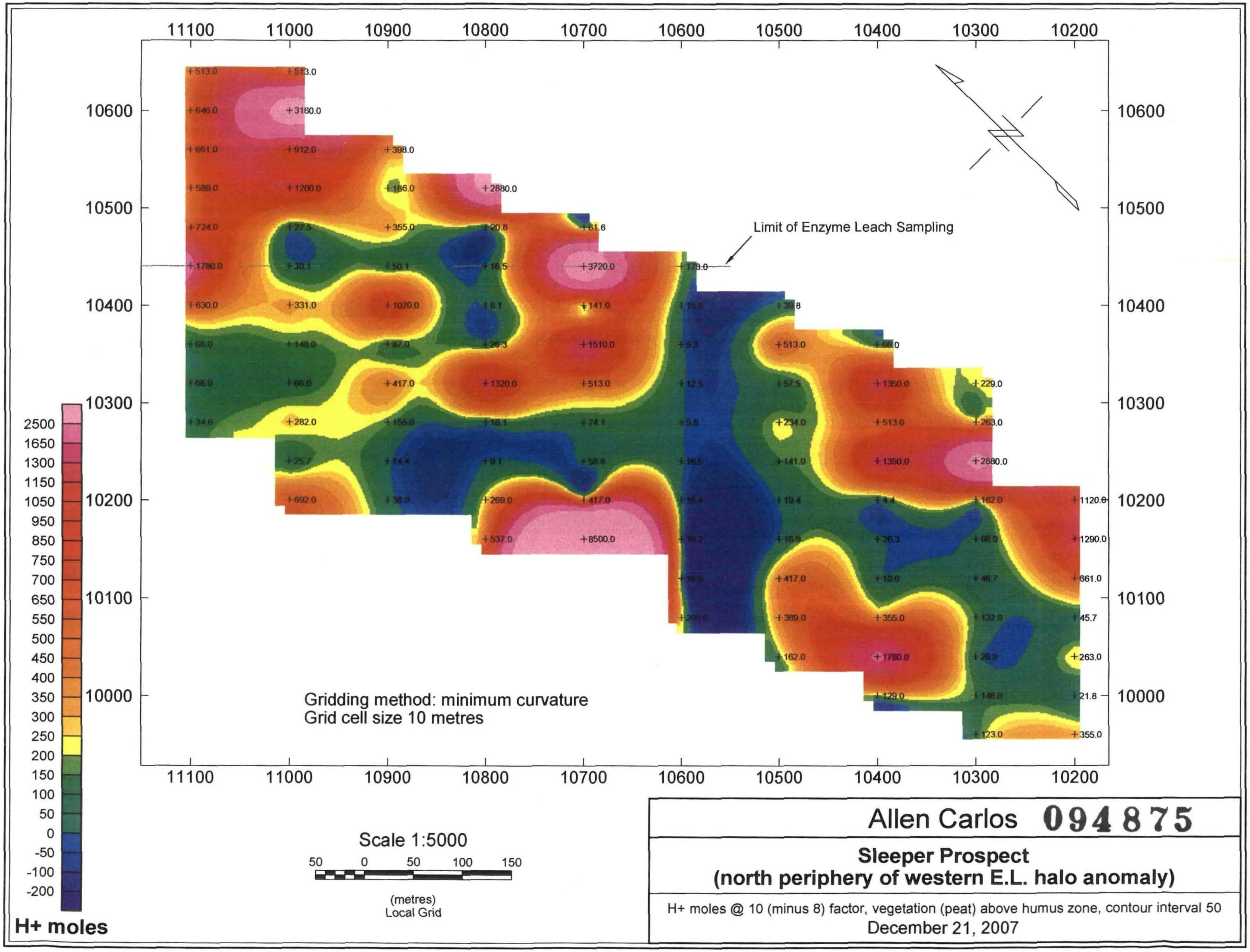
Vegetation (peat) above humus zone, Sb ppm INAA, contour interval 0.025 ppm
December 21, 2007



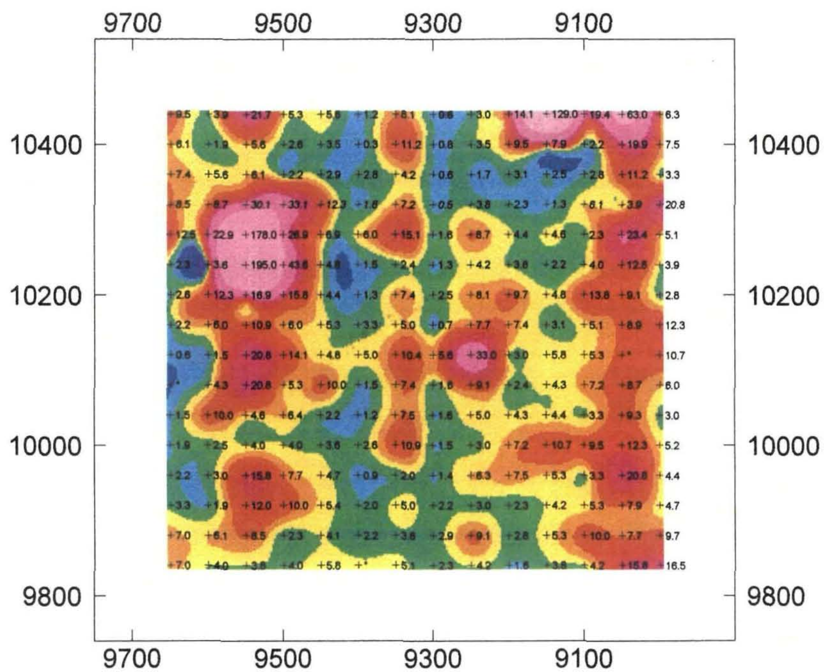
Allen Carlos 094875

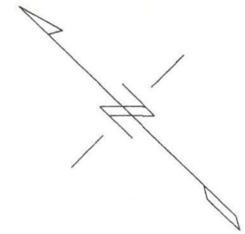
Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Ca% INAA, contour interval 0.1%
December 21, 2007

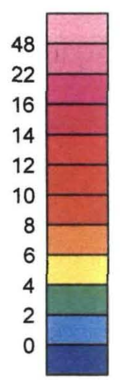


11100
11000
10900
10800
10700
10600
10500
10400
10300
10200
10600
10500
10400
10300
10200
10100
10000
Limit of Enzyme Leach Sampling
Gridding method: minimum curvature
Grid cell size 10 metres
2500
1650
1300
1150
1050
950
850
750
700
650
550
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-200
H+ moles
Scale 1:5000
50 0 50 100 150
(metres)
Local Grid
Allen Carlos 094875
Sleeper Prospect
(north periphery of western E.L. halo anomaly)
H+ moles @ 10 (minus 8) factor, vegetation (peat) above humus zone, contour interval 50
December 21, 2007





Gridding method: minimum curvature
Grid cell size 10 metres



Scale 1:10000

100 0 100 200 300

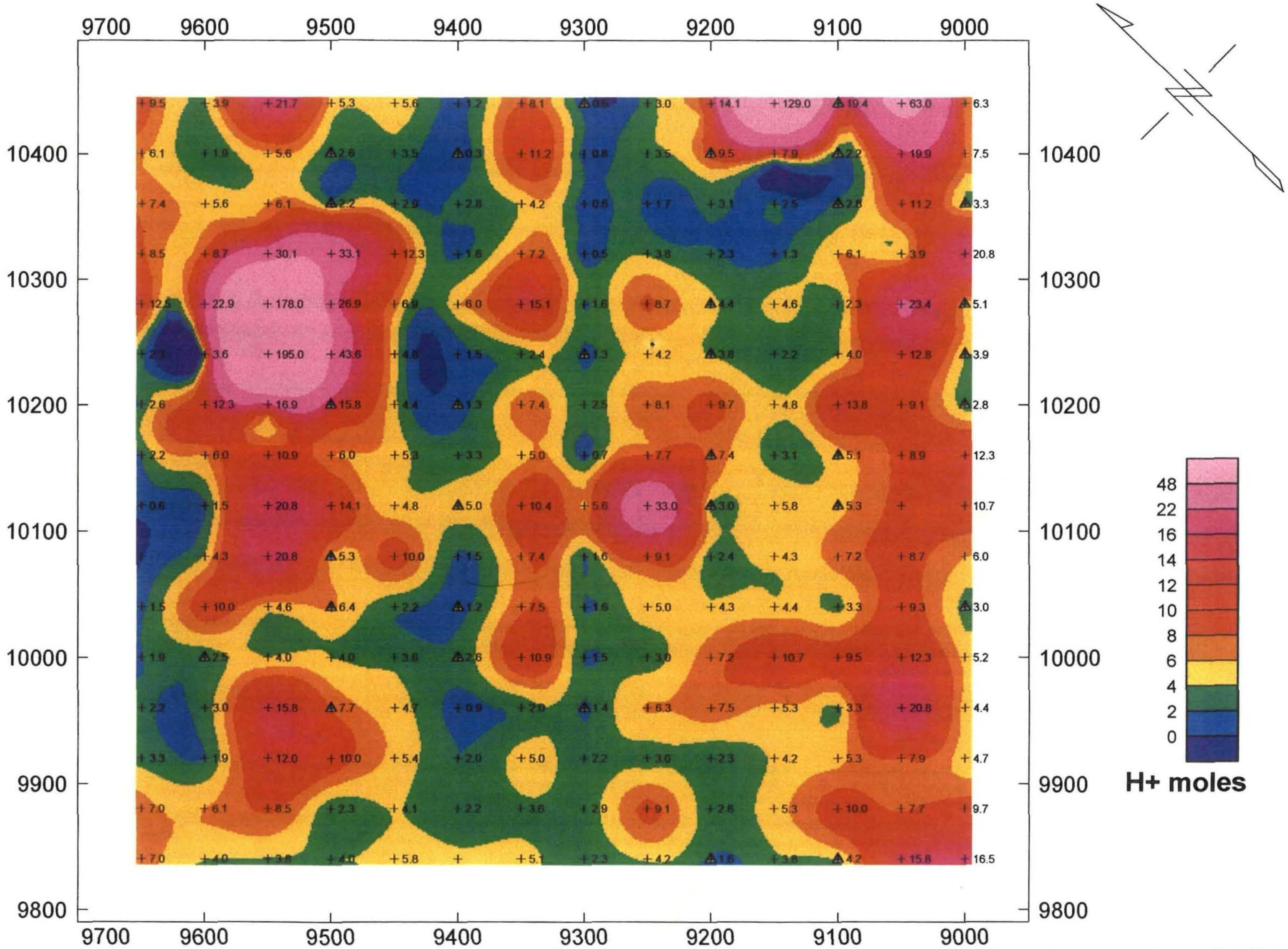
(metres)
Local Grid

094875

Allen Carlos

Sleeper Prospect
(eastern E.L. halo anomaly)

H+ moles @ 10 (minus 8) factor, B-horizon soil, contour interval 2
December 21, 2007



Gridding method: minimum curvature
Grid cell size 10 metres

Scale 1:5000

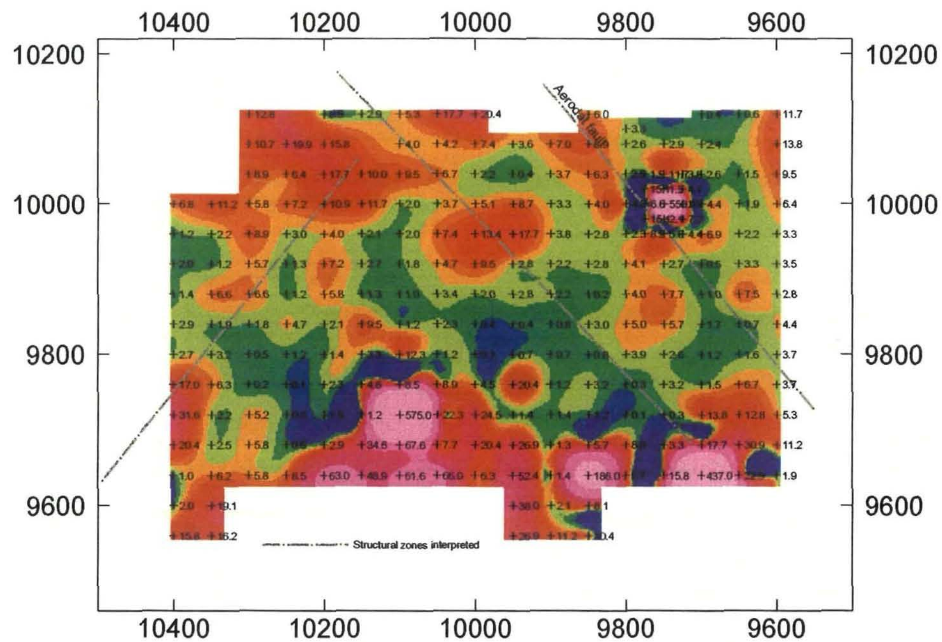
50 0 50 100 150

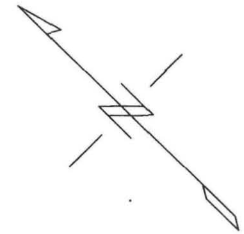
(metres)
Local Grid

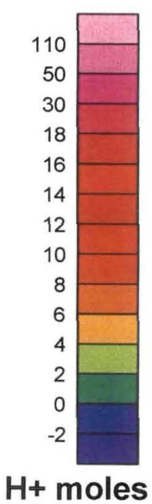
Allen Carlos 094875

Sleeper Prospect
(eastern E.L. halo anomaly)

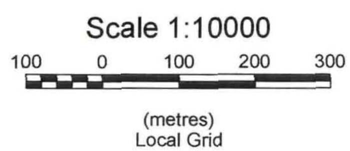
B-horizon soil
H+ moles @ 10 (minus 8) factor, contour interval 2
December 20, 2007





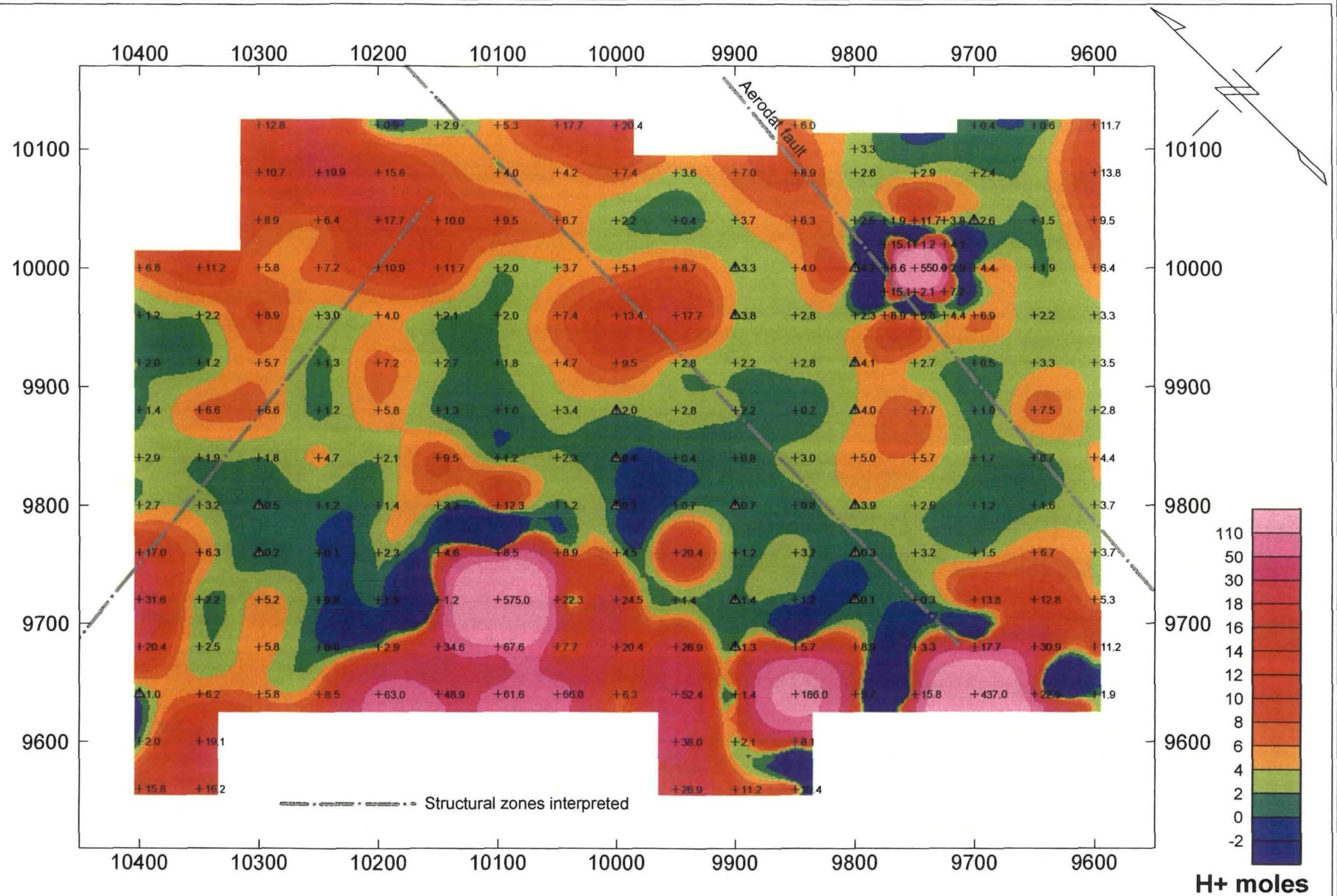


Gridding method: minimum curvature
Grid cell size 10 metres



094875

Allen Carlos
Sleeper Prospect (central E.L. halo anomaly)
H+ moles @ 10 (minus 8) factor, B-horizon soil, contour interval 2 December 21, 2007



Gridding method: minimum curvature
Grid cell size 10 metres

Scale 1:5000

50 0 50 100 150

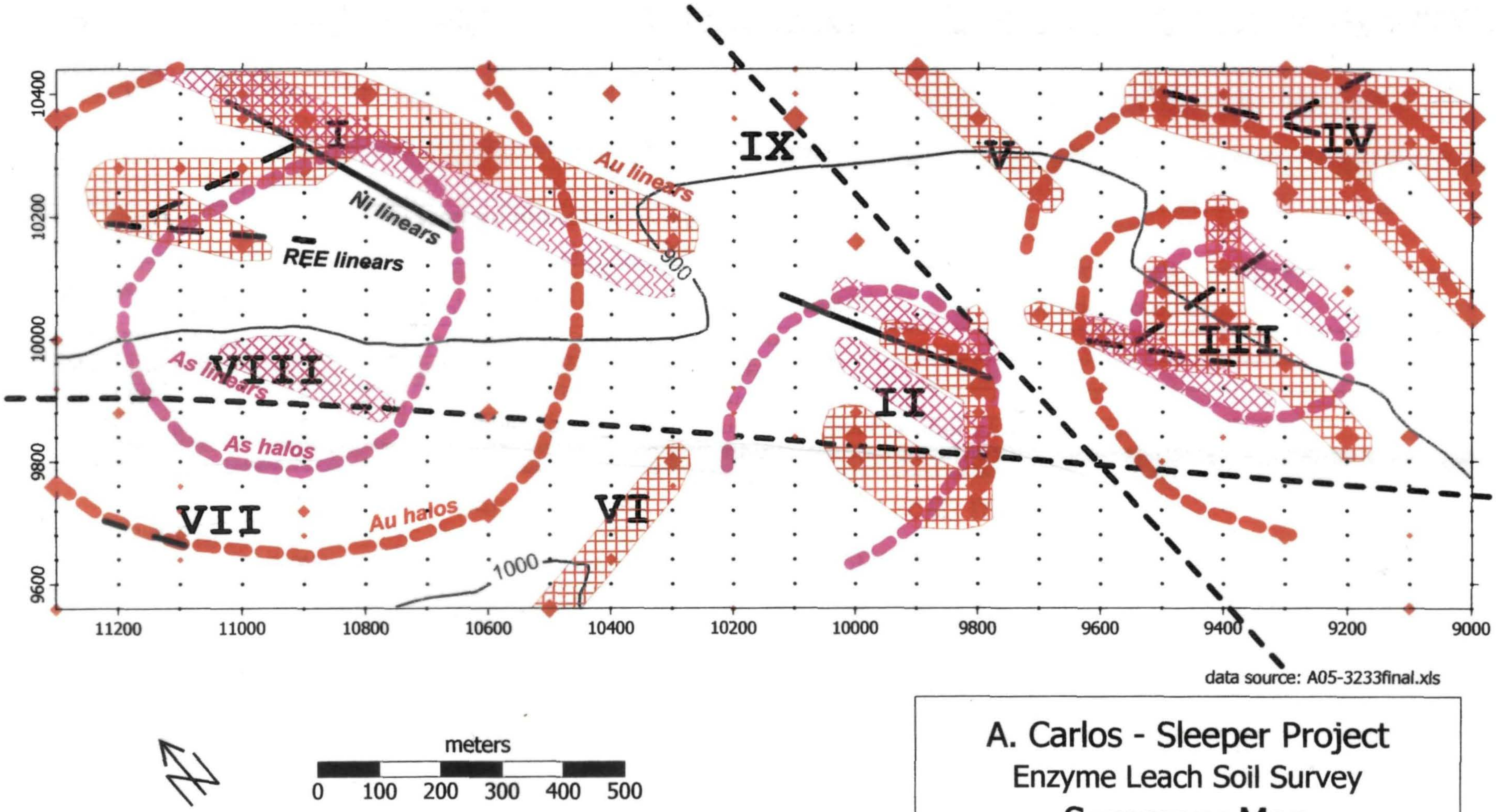
(metres)
Local Grid

Allen Carlos 094875

Sleeper Prospect
(central E.L. halo anomaly)

B-horizon soil
H+ moles @ 10 (minus 8) factor, contour interval 2
December 21, 2007

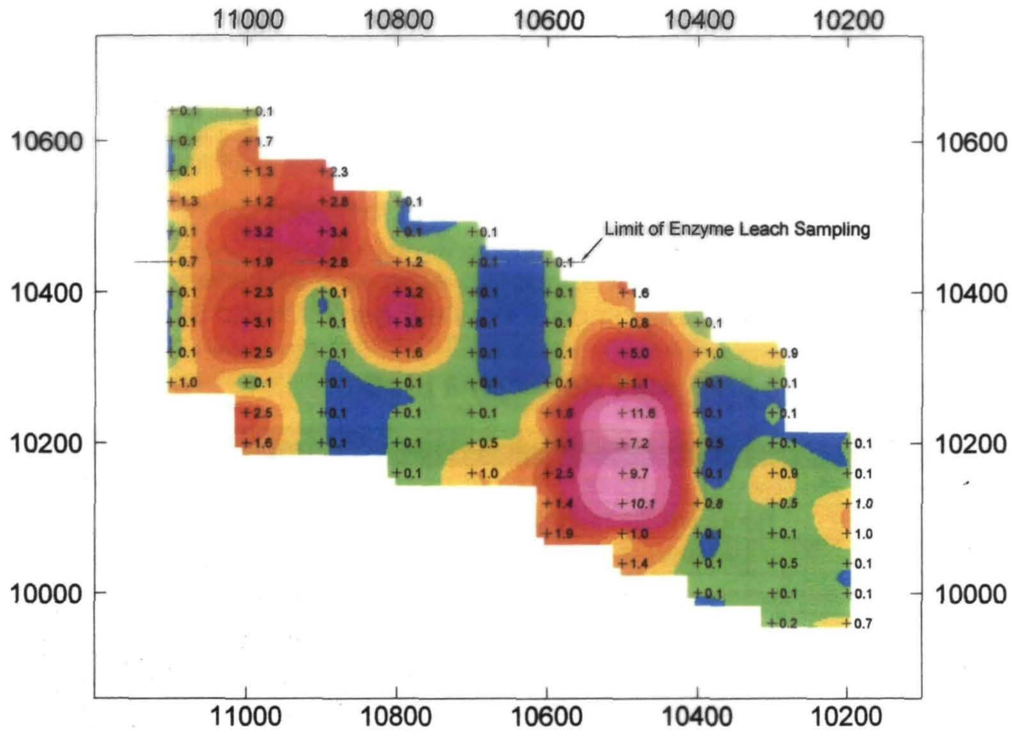
0?4875

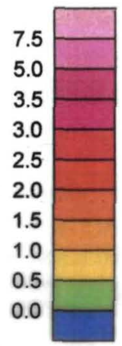


data source: A05-3233final.xls

A. Carlos - Sleeper Project
Enzyme Leach Soil Survey
Summary Map

Drawn by: G.T. Hill   Date: 18 December 2006





Au ppb

Gridding method: minimum curvature
Grid cell size 10 metres

Scale 1:10000

(metres)
Local Grid

Allen Carlos

Sleeper Prospect
(north periphery of western E.L. halo anomaly)

Vegetation (peat) above humus zone, Au ppb INAA, contour interval 0.5 ppb
December 21, 2007

commodities covered in these publications or web site Corporate policies are in effect that attempt to avoid potential conflicts of interest and resolve conflicts of interest that do arise in a timely fashion

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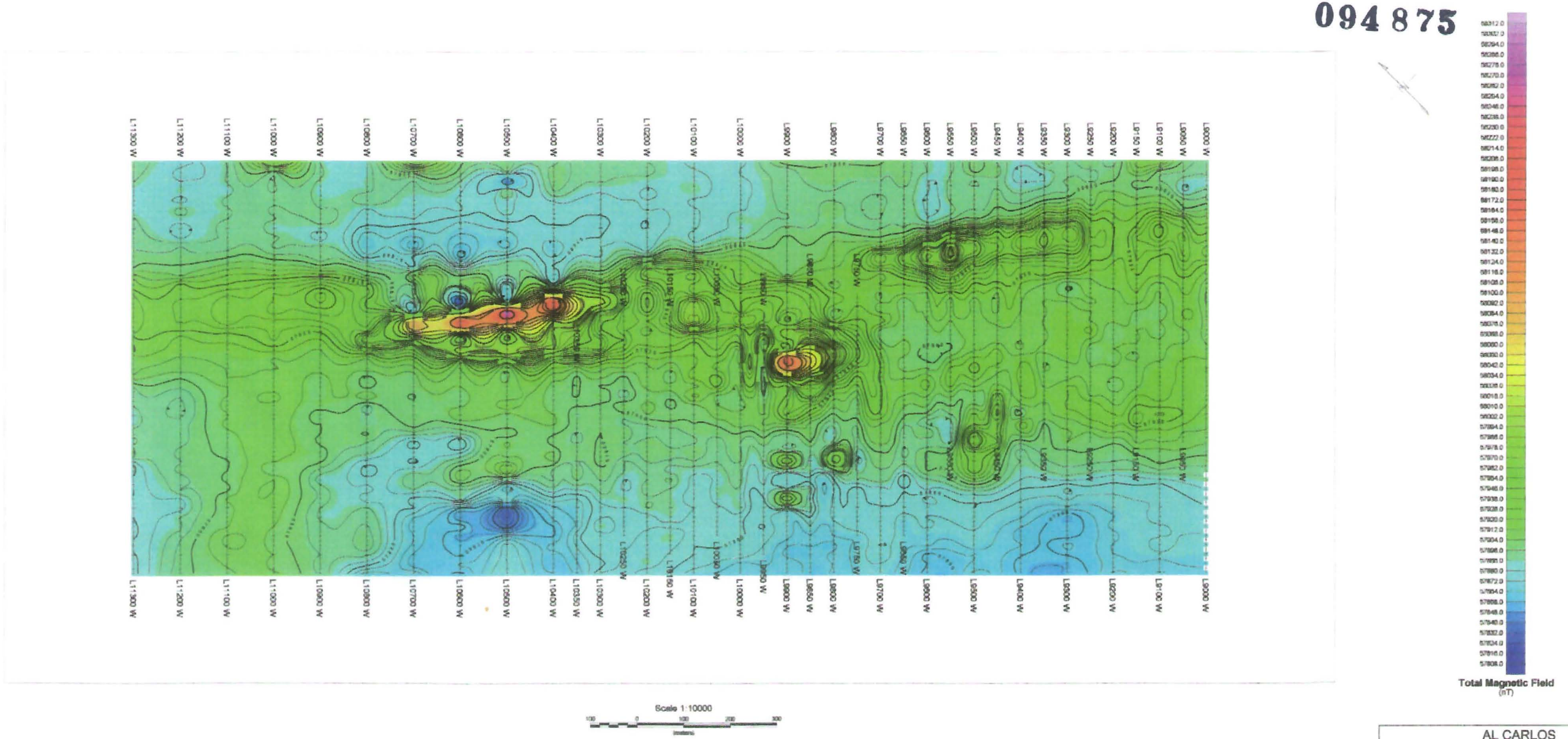
094875

094875



AL CARLOS

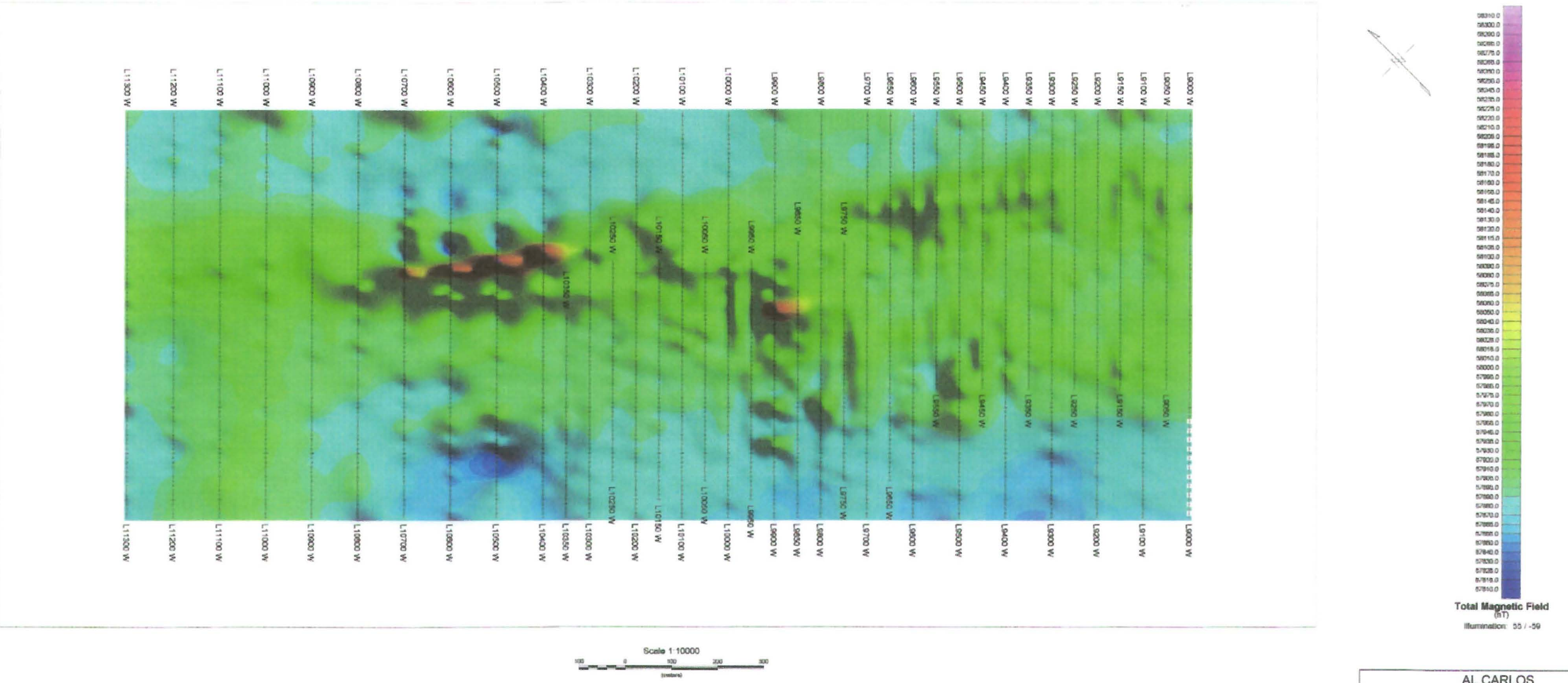
SLEEPER PROSPECT - CANYON GOLD PROPERTY
Total Magnetic Field

NTS: 105 F 12 / K 02
Datum: Local
Job: ALC-7566-YT

Mining District: Whitehorse
Projection: Plane / local
Date: 26 Oct 07

AURORA GEOSCIENCES LTD.

094875



AL CARLOS

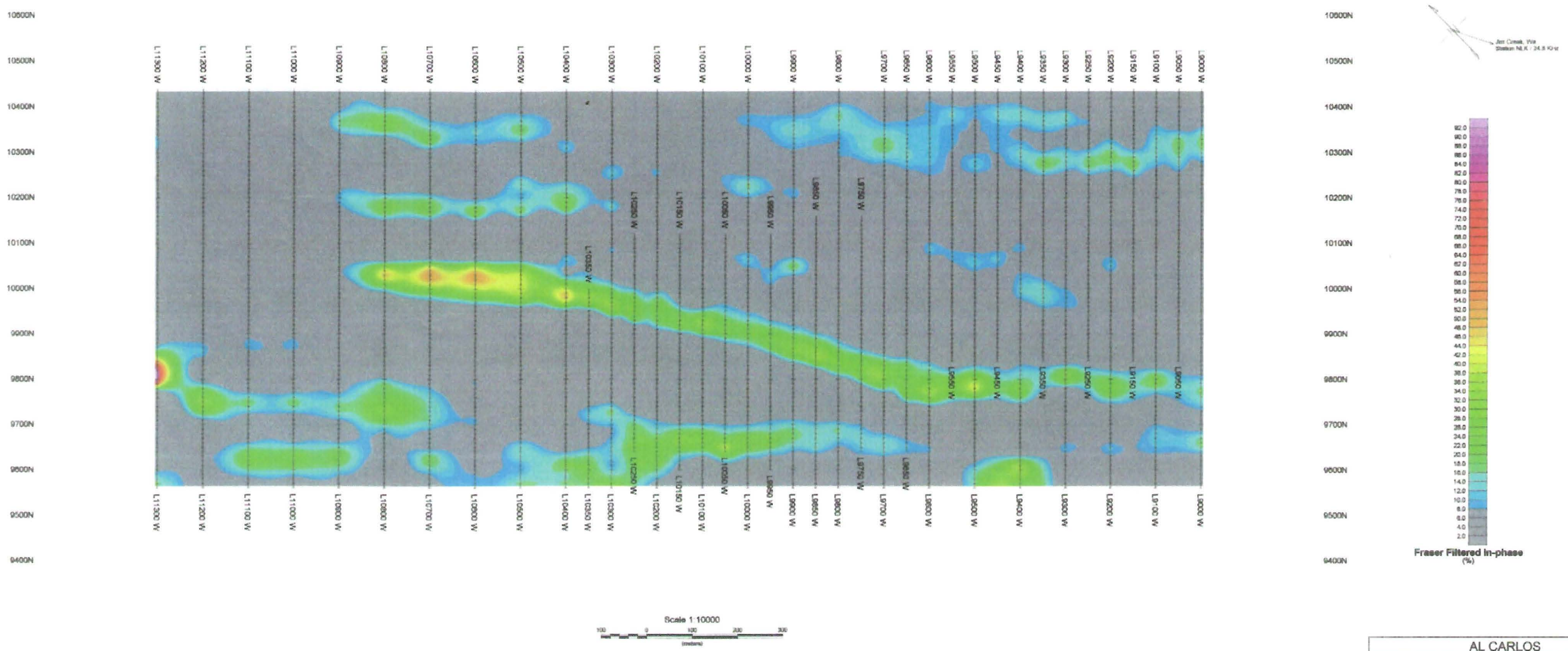
SLEEPER PROSPECT - CANYON GOLD PROPERTY
Shaded Total Magnetic Field

NTS: 105 F 12 / K 02
Datum: Local
Job: ALC-7566-YT

Mining District: Whitehorse
Projection: Plane / local
Date: 26 Oct 07

AURORA GEOSCIENCES LTD.

094875



AL CARLOS

SLEEPER PROSPECT - CANYON GOLD PROPERTY
VLF-EM Survey - Fraser Filtered In-phase

NTS: 105 F 15 / K 02 — Mining District: Whitehorse
Datum: Local — Projection: Plane / local
Job: ALC-7566-YT — Date: 26 Oct 07

AURORA GEOSCIENCES LTD.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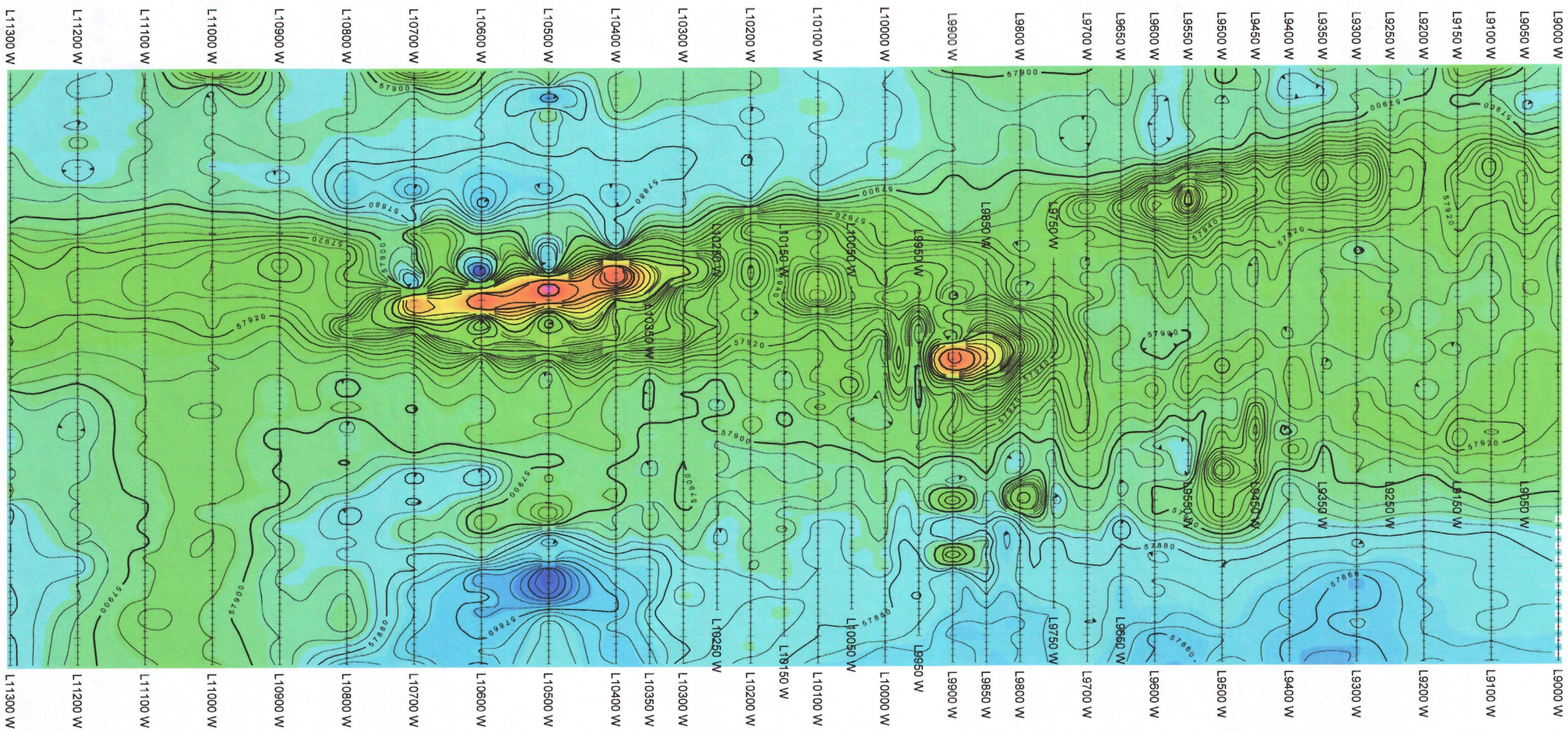
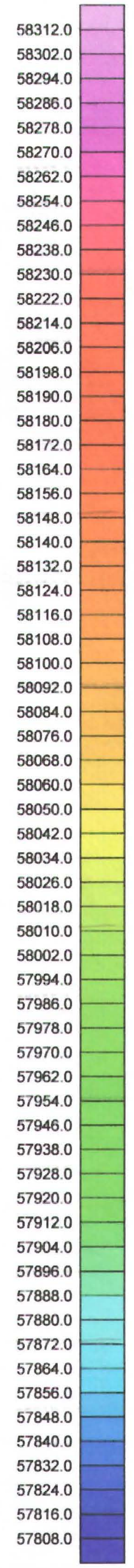
AL CARLOS
SLEEPER PROSPECT - CANYON GOLD PROPERTY
VLF-EM Survey - Stacked Profiles
NTS: 105 F 15 / K 02
Mining District: Whitehorse
Datum: Local
Projection: Plane / local
Job: ALC-7566-YT
Date: 26 Oct 07
AURORA GEOSCIENCES LTD.
LEGEND
FRASER FILTERED VLF
FREQUENCY : 24.8 kHz Jim Creek, Washington, USA
INSTRUMENT : Geonics EM-16
PROFILE SCALE : 1 cm = 20%
IN PHASE :
QUADRATURE:
EAST or NORTH
+20
DATUM
-20
WEST or SOUTH
PROFILE DATUM : 0%
FACING DIRECTION: Grid South
OPERATORS : AC
STATION SEPARATION : 20 m
Jim Creek, Wa
Station NLK / 24.8 KHz
Scale 1:5000
(meters)
100 0 100 200 300
10600N 10500N 10400N 10300N 10200N 10100N 10000N 9900N 9800N 9700N 9600N 9500N 9400N
L9000 W
L9050 W
L9100 W
L9150 W
L9200 W
L9250 W
L9300 W
L9350 W
L9400 W
L9450 W
L9500 W
L9550 W
L9600 W
L9650 W
L9700 W
L9750 W
L9800 W
L9850 W
L9900 W
L9950 W
L10000 W
L10050 W
L10100 W
L10150 W
L10200 W
L10250 W
L10300 W
L10350 W
L10400 W
L10500 W
L10600 W
L10700 W
L10800 W
L10900 W
L11000 W
L11100 W
L11200 W
L11300 W





Total Magnetic Field
(nT)

Scale 1:5000

100 0 100 200 300
(meters)

094875

AL CARLOS

SLEEPER PROSPECT - CANYON GOLD PROPERTY
Total Magnetic Field

NTS: 105 F 12 / K 02
Datum: Local
Job: ALC-7566-YT

Mining District: Whitehorse
Projection: Plane / local
Date: 26 Oct 07

AURORA GEOSCIENCES LTD.

Scale 1:5000

100 0 100 200 300

(meters)

094875

AL CARLOS

SLEEPER PROSPECT - CANYON GOLD PROPERTY
VLF-EM Survey - Fraser Filtered In-phase

NTS: 105 F 15 / K 02	Mining District: Whitehorse
Datum: Local	Projection: Plane / local
Job: ALC-7566-YT	Date: 26 Oct 07

AURORA GEOSCIENCES LTD.

Scale 1:5000

100 0 100 200 300

(meters)

094875

AL CARLOS

SLEEPER PROSPECT - CANYON GOLD PROPERTY
Shaded Total Magnetic Field

NTS: 105 F 12 / K 02
Datum: Local
Job: ALC-7566-YT

Mining District: Whitehorse
Projection: Plane / local
Date: 26 Oct 07

AURORA GEOSCIENCES LTD.