

MAG-EM PROSPECTING REPORT

BC Geological Survey
Assessment Report
34862

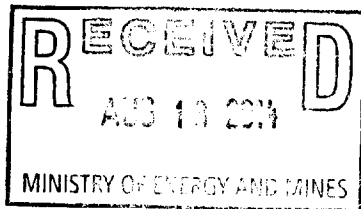
on the

PINE CREEK PLACER CLAIM

Tenure #746362

Located in the Atlin Mining Division

NTS Map 104N/12E
Latitude 59°35'N, Longitude 133°34'W
UTM Map 104N.053



Report by

David Javorsky
Prospector

and

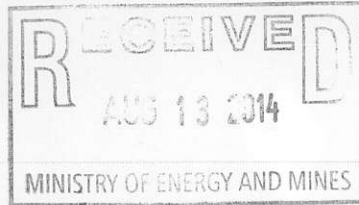
Aurora Geosciences Ltd.

Exploration and
Development Work

August 10, 2014

Event # 5517458
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

34,862



Print and Close

Cancel

Mineral Titles Online

Placer Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: JAVORSKY, DAVID
JOSEPH (113058)Submitter: JAVORSKY, DAVID
JOSEPH (113058)

Recorded: 2014/AUG/13

Effective: 2014/AUG/13

D/E Date: 2014/AUG/13

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 5517458

Work Type: Technical Work
Technical Items: Geophysical, ProspectingWork Start Date: 2013/OCT/01
Work Stop Date: 2013/NOV/03
Total Value of Work: \$ 7100.00
Mine Permit No:

Summary of the work value:

Tenure Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Sub- mission Fee
746362	PINE CREEK BOLDER PILE	2010/apr/12	2018/nov/05	2022/nov/05	1461	81.95	\$ 6556.17	\$ 0.00

Financial Summary:

Total applied work value:\$ 6556.17

PAC name: 113058
Debited PAC amount: \$ 0.0
Credited PAC amount: \$ 543.83

Total Submission Fees: \$ 0.0

Total Paid: \$ 0.0

Please print this page for your records.

The event was successfully saved.

Click here to return to the Main Menu.

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Mineral Titles Online Report

MinFile No. 104N030 Pine Creek

PINE CREEK PLACER CLAIM

SUMMARY

This VLF-EM-Magnetometer Survey is a continuation of a prospecting survey that has been ongoing for three years.

Pine Creek, in the Atlin area of Northern British Columbia, has been a major producer of placer gold.

The old channel of Pine Creek was, and still is, being actively mined. However, at the top end of this claim, the old channel disappears and a lava flow covers the area. It appears that there is an offset fault of the structure that created the old gold-bearing channel.

The object of these VLF-EM surveys has been to locate the offset fault with its old channel and, hopefully, it will still be gold bearing.

During 2011 and 2012, the author cut lines and ran a VLF-EM survey using an old Ronka EM-16 type instrument. In 2013, Aurora Geosciences Ltd. from Whitehorse, Y.T., ran a Total Magnetic Field and VLF-EM ground geophysical survey. A copy of that report is included in this report.

CLAIM INFORMATION

The placer claim is located in the Atlin Mining Division and is staked pursuant to current computer staking, Tenure Number I.D. 746362, called Pine Creek Boulder Pile. The placer claim consists of five cells totalling 81.95 hectares. There is overlapping with adjoining claims. The boundaries of this placer claim are well established by the MTO defined boundaries and surveyed placer mining leases that this claim overlaps.

LOCATION AND ACCESS

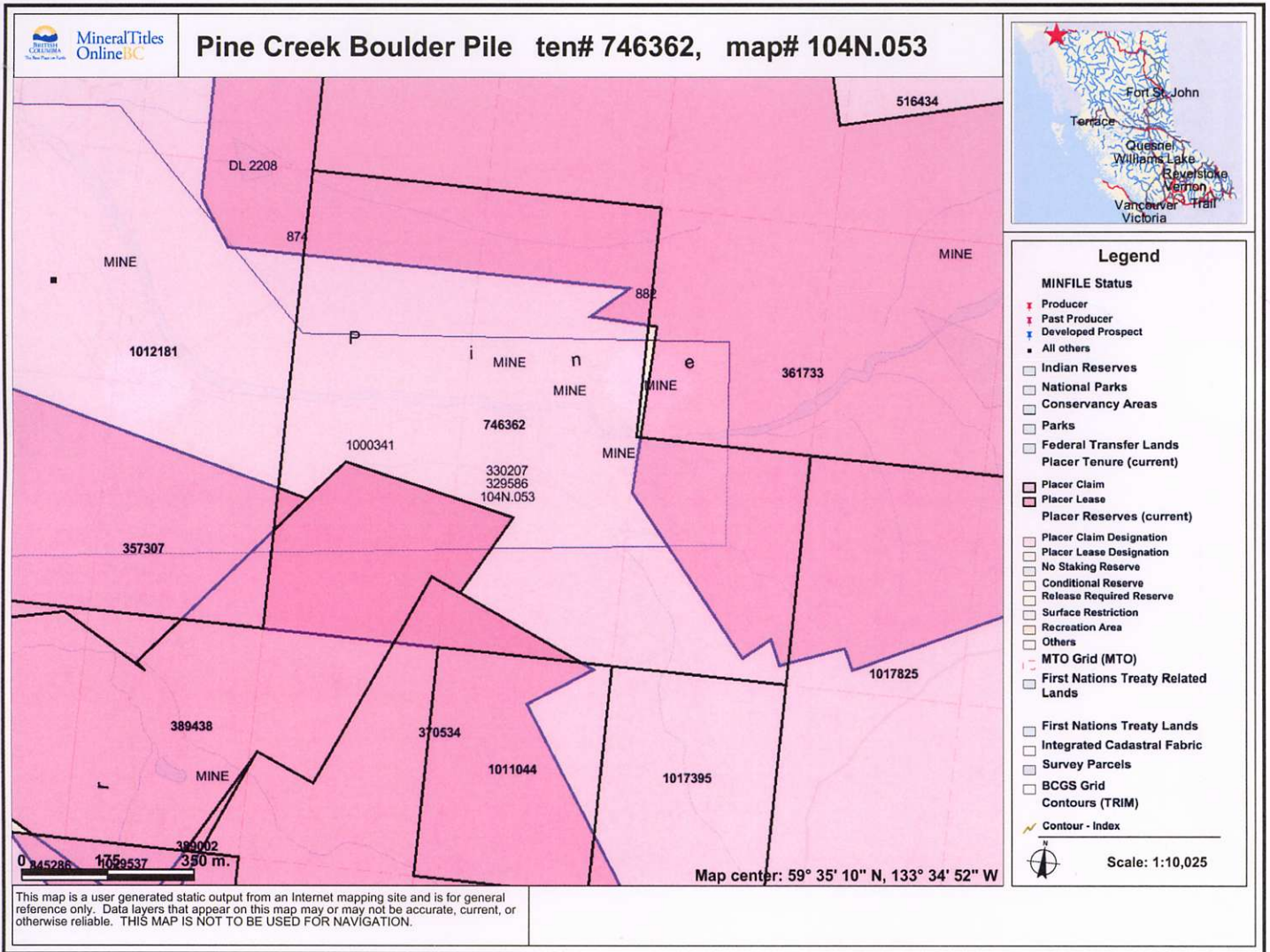
The Pine Creek Boulder Pile placer claim is located approximately 7 km east of Atlin, B.C. along the Pine Creek Valley Road.

The claim is centred at Latitude 59°35'N and Longitude 133°34'W on NTS Map Sheet 104N/12, UTM Map 104N.053.

Atlin is 98 km south of a spot on the Alaska Highway called Jake's Corner. This spot is defined as Alaska Highway Mile Post 865.

Access to the placer claim from Atlin is by a good gravel road.

Claim Map



Pine Creek Boul;der Pile ten# 746362 Location Map

Pine Creek Boul;der Pile ten# 746362 Location

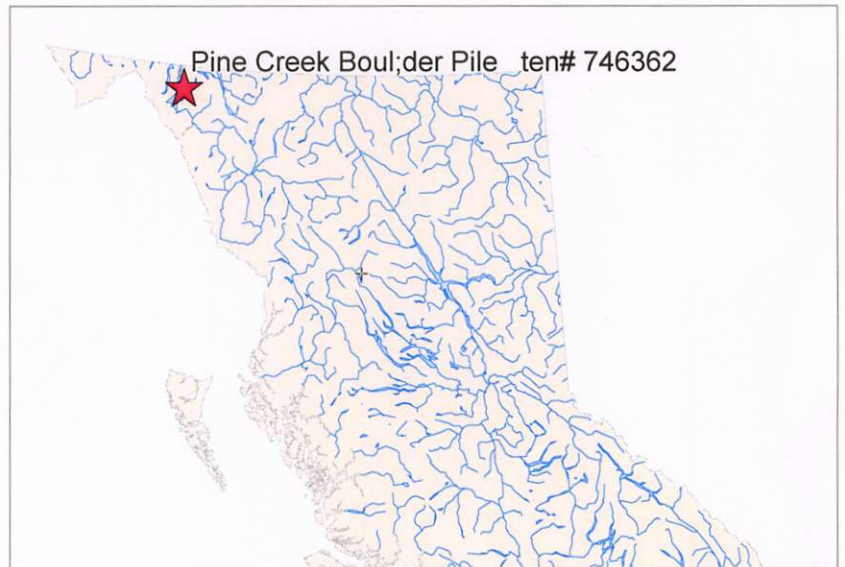
Topographic Layers

 Lakes 1:6M

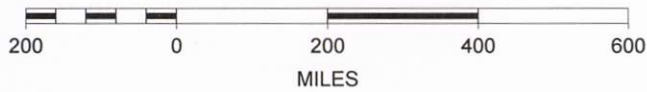
 Rivers 1:6M

BC Border Layers

 BC Border 1:6M



SCALE 1 : 16,174,636



GEOLOGY

Geology of the Atlin area was mapped from 1951 to 1955 by J.D. Aitken, of the Geological Survey of Canada. See Map 1082. From 1966 to 1968, J.W.H. Monger, also of the Geological Survey of Canada, published GSC Paper 74-47. Blodgood et al (1989) conducted 1:50,000 scale geological mapping. Lefebvre and Gunning, 1989, compiled a 1:20,000 geological map.

In 1994, the B.C. Geological Survey Branch published Bulletin 94 by Chris Ash which provides a very good understanding of the geology, complete with a 1:25,000 geological map. It appears this was updated in 2004 by Geoscience Map 2004-4 Geology of the Atlin Area, N.W. B.C. Also in 2003, the Geological Survey of Canada published Open File 1562, Geoscience Map 2003-1, Quaternary Geology of the Atlin Area 104N.

Most of this placer claim is covered by old tailings from previous placer workings which have been plowed flat to comply with environmental requirements. The broad valley terminates at hillsides of older river material. There is same bedrock on the east side of the claim.

HISTORY

The history of mining in the Atlin area started in 1898 with Mr. Fritz Miller and Mr. Kenny McLaren staking their discovery claim immediately upstream from the Pine Creek Boulder Pile placer claim. However, there were signs of previous work, possibly Russian prospectors from Alaska when Alaska was a Russian Territory. By the year 1899, there were more than 3,000 people camped in the Atlin area.

Gold production from Pine Creek between 1898 to 1916 was recorded as: 138,144 troy ounces (that is 4,017,917 grams) of gold.

The largest recorded nugget found in the Atlin Mining Camp was in 1898 on Spruce Creek and weighed in at 83 troy ounces.

Various parts of the Atlin Mining Camp have been mined by underground methods. Using shafts, adits and then drifting along the channel axis along bedrock. The channel axis is oftentimes the old, buried riverbed that follows the old Surprise Lake Fault. These bedrock channels are often called basal channels. The Surprise Lake Fault has been offset by more recent faulting. The best placer gold production was immediately upstream from this Pine Creek Boulder Pile placer claim. Production stopped where the old Surprise Lake Fault was offset and lost. That old channel is what the author is looking for.



DISCUSSION OF RESULTS AND CONCLUSION

A long time ago, a major fault formed between Surprise Lake and a point close to where Atlin is located. This major fault was easily eroded and the ancient riverbed of Pine Creek was formed. Gold mineralization was concentrated in the Old Pine Creek Riverbed. Ultramafic rocks intruded this area and the fault made a good porous conductor for the gold-bearing felspar-quartz porphyry dykes also formed in these fault zones. At a later date, various large granite and ultramafic intrusions came into the area and the major Surprise Lake Fault Zone was subjected to offset faulting. To make the situation more complicated, volcanic flows filled up the old Pine Creek riverbed.

The old fault has some water in it. Also in the fault is granite. These make good conductors that show up in VLF-EM surveys. The old river channels also contain magnetics that show up very well in magnetic surveys. The volcanic flow also contains magnetite..

The Mag-VLF-Em Survey by Aurora Geosciences Ltd. gives a reference to compare with while doing further VLF-EM prospecting.



NORTHERN GEOLOGICAL & GEOPHYSICAL
CONSULTANTS

AURORA GEOSCIENCES

YELLOWKNIFE - WHITEHORSE - JUNEAU

34A Laberge rd. Whitehorse, YT, Y1A 5Y9 (p) 867.668.7672

MEMORANDUM

To: Dave Javorsky **Date:** 01 November 2013
D. Javorsky Prospecting Inc.

From: Andre Lebel

Re: 2013 Pine Creek Mag VLF Report

This memorandum report describes Total Magnetic Field (TMF) and VLF ground geophysical surveys conducted for D. Javorsky Prospecting on pine creek placer claim # 746362. During the period of Oct. 29th to Oct. 30th 2013, a total of 1.41 line kilometres of MAG and VLF surveying were completed. The survey area was accessible by truck.

a. Crew and equipment.

The following personnel conducted the surveys:

Andre Lebel Crew Chief Oct 29 to Oct 30, 2013

The crew was equipped with the following instruments and equipment:

1 NDGPS Map 76Csx	Non-differential handheld GPS
1 GEM Mag VLF	Rover Magnetometers with VLF sensor
1 GEM Mag	Base Magnetometer
1 Oasis Montaj software package	Data processing
1 Laptop Computer	Data processing
1 Truck	Transportation used for move and demobe

b. Survey Location

The Pine creek placer claim# 7046362 is located approximately 7 km east of Atlin B.C, within NTS map sheet 104 N / 12. The survey described in this memo took place on cut grids with station markings every 10m. All geophysical data collected was geo-referenced to UTM Zone 08N coordinates in the WGS84 datum.

c. Survey specifications

The Mag / VLF survey was completed according to the following specifications:

Station Spacing:	10 m
Line Spacing:	Approximately 100 m
Positioning Data:	Collected with the handheld NDGPS receiver sampling at one reading per 3 seconds
Corrections:	Temporal geomagnetic variations were removed by linear interpolation of drift determined by the base station magnetometer. Reference field set to 56,500nT
Base Station Magnetometer:	The unit was cycled at a 3 second interval throughout the survey. Both base and roving magnetometers' clocks were synchronized before surveying begun to local time.
VLF Frequencies:	24.0 kHz (NAA) Cutler, Maine 24.8 kHz (NLK) Seattle, Washington

d. Data Processing.

The Mag/VLF data were downloaded at the end of each survey day and the raw, unedited data was archived. A copy of the data was then corrected for diurnal variations using GEM Systems software GEMlink5. Geosoft's cross database channel lookup was used to append the positioning data collected during the survey. The data were leveled each day to a common datum and poor quality readings removed.

The VLF data was inspected daily, so that spikes due low signal could be removed from the database. Javorsky's Geonics EM-16 VLF was used to confirm the polarity of the VLF in-phase and quadrature profiles being recorded by the GEM VLF instruments. The VLF profiles were then low pass filtered with a wavelength of 4 readings to smooth the data and then the low pass filtered data was Fraser filtered using a 5 point negative filter, so that south to north crossovers show as highs, for the VLF stations.

e. Interpretation of Results.

The station at Cutler, ME or NAA has the best coupling with a target that is trending east-west; therefore this station was used for the interpretation. The signal from Cutler, ME or NAA at 24.0 kHz is weak; however with average signal strength of 1.26 pT it should give usable results. On lines A and B there is a cross-over appears south of Pine creek. At station 160 on Line A and in-between Line B and Line G there is a cross over therefore there is a conductive anomaly in this area which could be caused by a fault. Because there is a gap of 100m between lines A and G there is a change between the last reading on line and the first reading on line G, this caused are large high in all fraser filter maps which is just artifacts. Appearing on the fraser filtered in-phase VLF Cutler NAA (24.0 kHz) is a second anomaly at station 150 on lineC, station 50 on line A and at station 50 on line B. This anomaly is most likely caused by a underground water pipe. There are no VLF anomalies north of pine creek where the fault indicated on the local geology map. The station at Seattle, WA or NLK is null coupled to the target fault that trends east west, therefore the target fault would not produce any anomalies when surveyed with this frequency.

f. Products.

The following files are included in the digital version of this report:

Instrument Dump files	Name convention <VLFM "date" "operator's initials.txt">
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\Raw\ "date" \...	Raw GEM Base station magnetometer daily dump files: Name convention <BM "date" .txt
	Raw GPS positioning data files: Name convention <GPS "date" "operator's initials.txt" Name convention <GPS "date" "operator's initials.gpx"
	All dump files have been left unedited
Final ASCII XYZ and Geosoft format GDB files \Final Data\...	Pine Creek MagVLF final.gdb Pine Creek MagVLF final.xyz
Maps in both .pdf format and .map Geosoft packed maps format \Figures\...	Pine Creek TMF Pine Creek NAA VLF Profiles Pine Creek NLK VLF Profiles Fraser Filtered NLK VLF Fraser Filtered NLK VLF OP Fraser Filtered NAA VLF Fraser Filtered NAA VLF OP
This Report and Crew Log in .pdf format	DJP-13561-YT MagVLF Field Report .pdf DJP-13561-YT MagVLF Crew Log.pdf

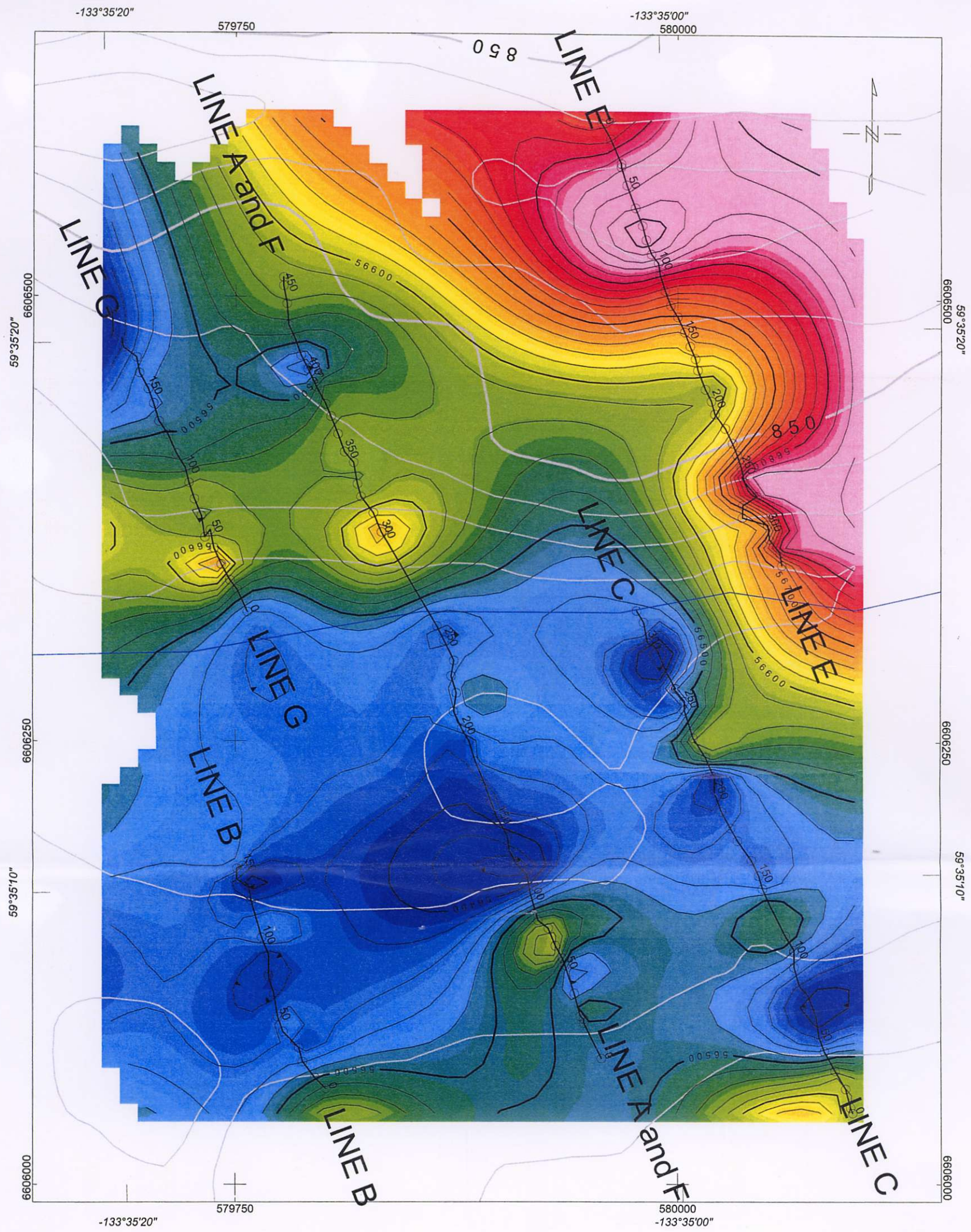
<u>Channel</u>	<u>Description</u>
UTME_Z8N_NAD83	UTM Easting as NAD83 Zn 9N in meters
UTMN_Z8N_NAD83	UTM Northing as NAD83 Zn 9N in meters
Line	Grid X
Station	Grid Y
Raw_Mag	Uncorrected, raw magnetic reading in nT
Q	Signal Quality Indicator
_24_8_kHz	VLF Frequency in KHz
_24_8_IP	NLK In Phase readings in %
_24_8_OP	NLK Out Phase readings in %
_24_8_H	NLK Horizontal field vector
_24_8_V	NLK vertical field vector
_24_8_signal	NLK VLF Signal Strength in pT
Time	Time in HH:MM:SS.S

_24_0_kHz	VLF Frequency in KHz
_24_0_IP	NAA In Phase readings in %
_24_0_OP	NAA Out Phase readings in %
_24_0_H	NAA Horizontal field vector
_24_0_V	NAA vertical field vector
_24_0_signal	NAA VLF Signal Strength in pT
Corr_Mag	Diurnal corrected magnetic reading as nT
Level_Mag	Leveled magnetic reading as nT
Final_24_8_IP	NLK Final In Phase readings in %
Final_24_8_OP	NLK Final Out Phase readings in %
Final_24_0_IP	NAA Final In Phase readings in %
Final_24_0_OP	NAA Final Out of Phase readings in %
24_0_IP_Low_Pass_Filter	NAA Final Low Pass Filtered In Phase readings in %
24_0_OP_Low_Pass_Filter	NAA Final Low Pass Filtered Out Phase readings in %
24_0_IP_Fraser_Filter	NAA Final Fraser Filtered In Phase readings in %
24_0_OP_Fraser_Filter	NAA Final Fraser Filtered Out Phase readings in %
24_8_IP_Low_Pass_Filter	NLK Final Low Pass Filtered In Phase readings in %
24_8_OP_Low_Pass_Filter	NLK Final Low Pass Filtered Out Phase readings in %
24_8_IP_Fraser_Filter	NLK Final Fraser Filtered In Phase readings in %
24_8_OP_Fraser_Filter	NLK Final Fraser Filtered Out Phase readings in %

Thank you for the opportunity to work with you on this project. If you have any Questions, please contact me, Andre Lebel or Charles T.N. directly in Whitehorse.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Andre Lebel



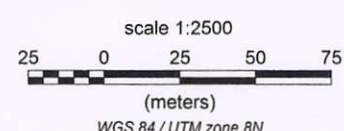
LEGEND

TOTAL FIELD MAGNETICS

CONTOUR INTERVALS (nT)

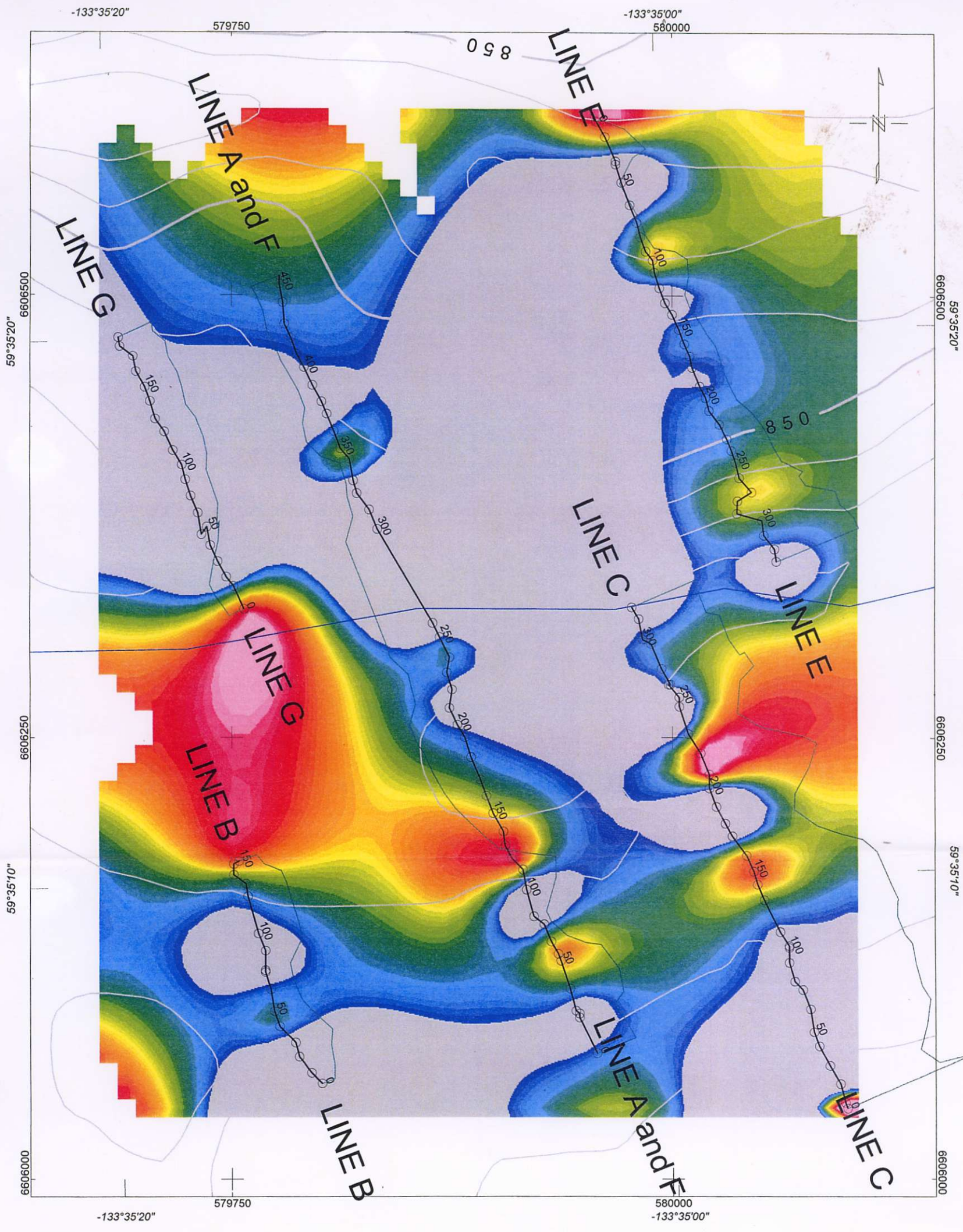
—	20	—
—	100	—
—	500	—

REFERENCE FIELD : 56500 nT
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 GRIDDING ALGORITHM : GEOSOFT RANGRID
 GRID CELL SIZE : 10 m
 GRID HANNING FILTER : 0 PASSES
 DATA FILE : PINE CREEK MAG-VLF FINAL.GDB
 OPERATORS : AL
 STATION SEPARATION : 10 m
 LINE-KM SURVEYED THIS SHEET : 1.41 km



FIELD

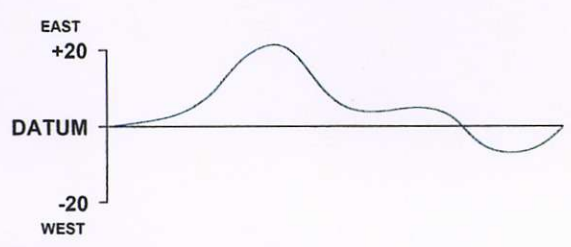
D. JAVORSKY PROSPECTING INC.
PINE CREEK MAG-VLF TOTAL MAGNETIC FIELD
NTS : 104 N/12 DATE SURVEYED : OCTOBER, 2013 PLACER CLAIM : 7463362 PINE CREEK TOTAL MAGNETIC FIELD.MAP (13-10-30/AL)
AURORA GEOSCIENCES LTD.



**LEGEND
VLF**

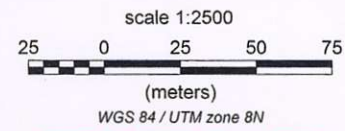
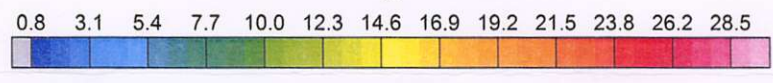
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 INSTRUMENT : GEM MAG/VLF
 PROFILE SCALE : 1 cm = 20%

IN PHASE :



IN-PHASE DATUM : 0%
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 OPERATOR : AL
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 LINE-KM SURVEYED THIS SHEET : 1.41 km

FRASER FILTERED VLF

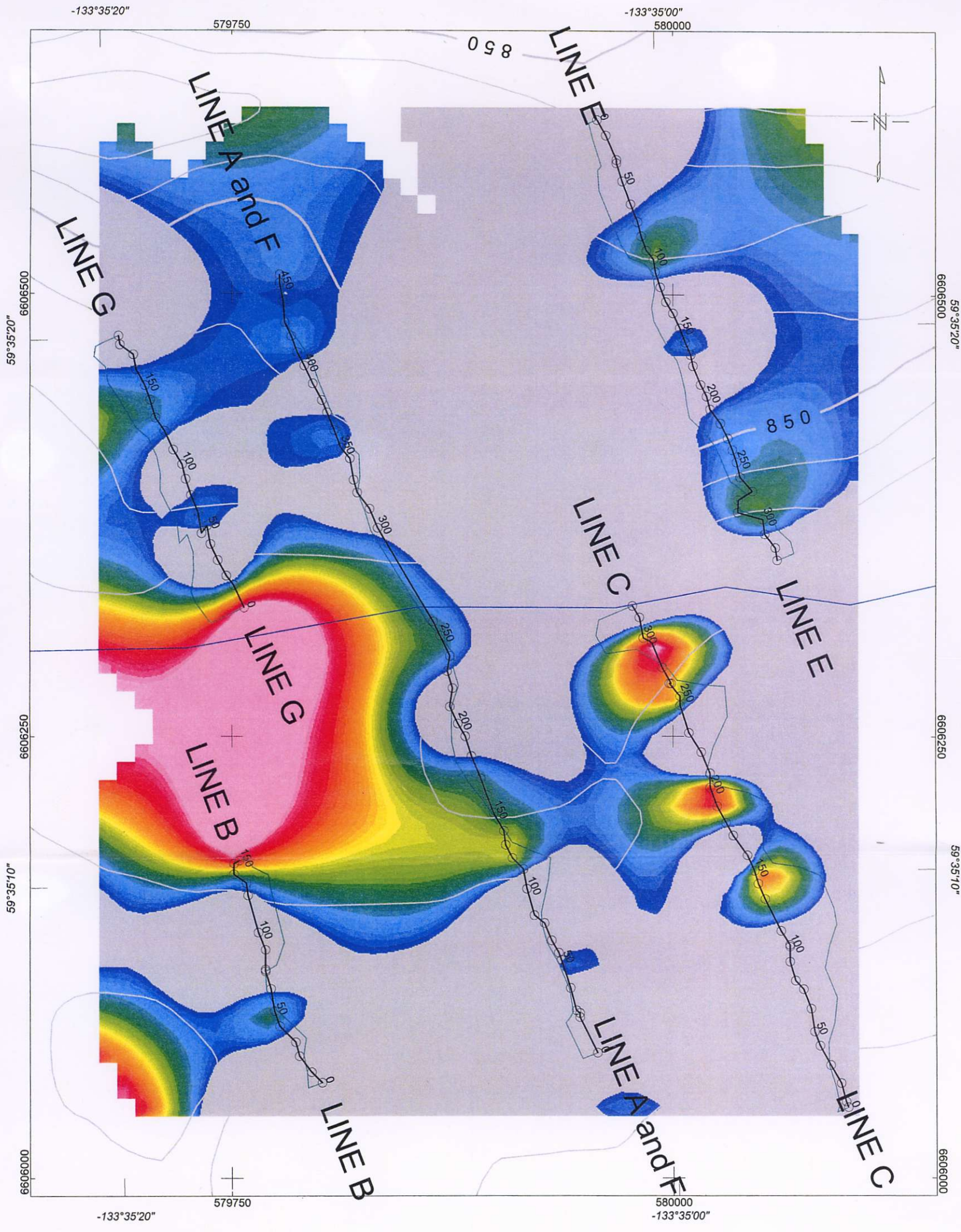


FIELD

D. JAVORSKY PROSPECTING INC.
PINE CREEK MAG-VLF
 FRASER FILTERED IN_PHASE VLF : CULTER, NAA (24.0 kHz)

NTS : 104 N/12
 DATE SURVEYED : OCTOBER, 2013
 PLACER CLAIM : 7463362
 PINE CREEK FRASER FILTERED VLF CUTLER, NAA (24.0 kHz) .MAP

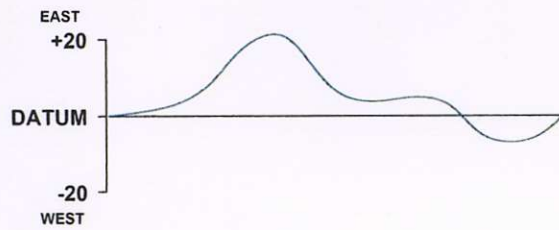
AURORA GEOSCIENCES LTD.



**LEGEND
VLF**

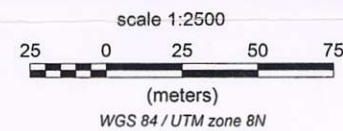
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QUADRATURE :



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 LINE-KM SURVEYED THIS SHEET : 1.41 km

**FRASER FILTERED VLF
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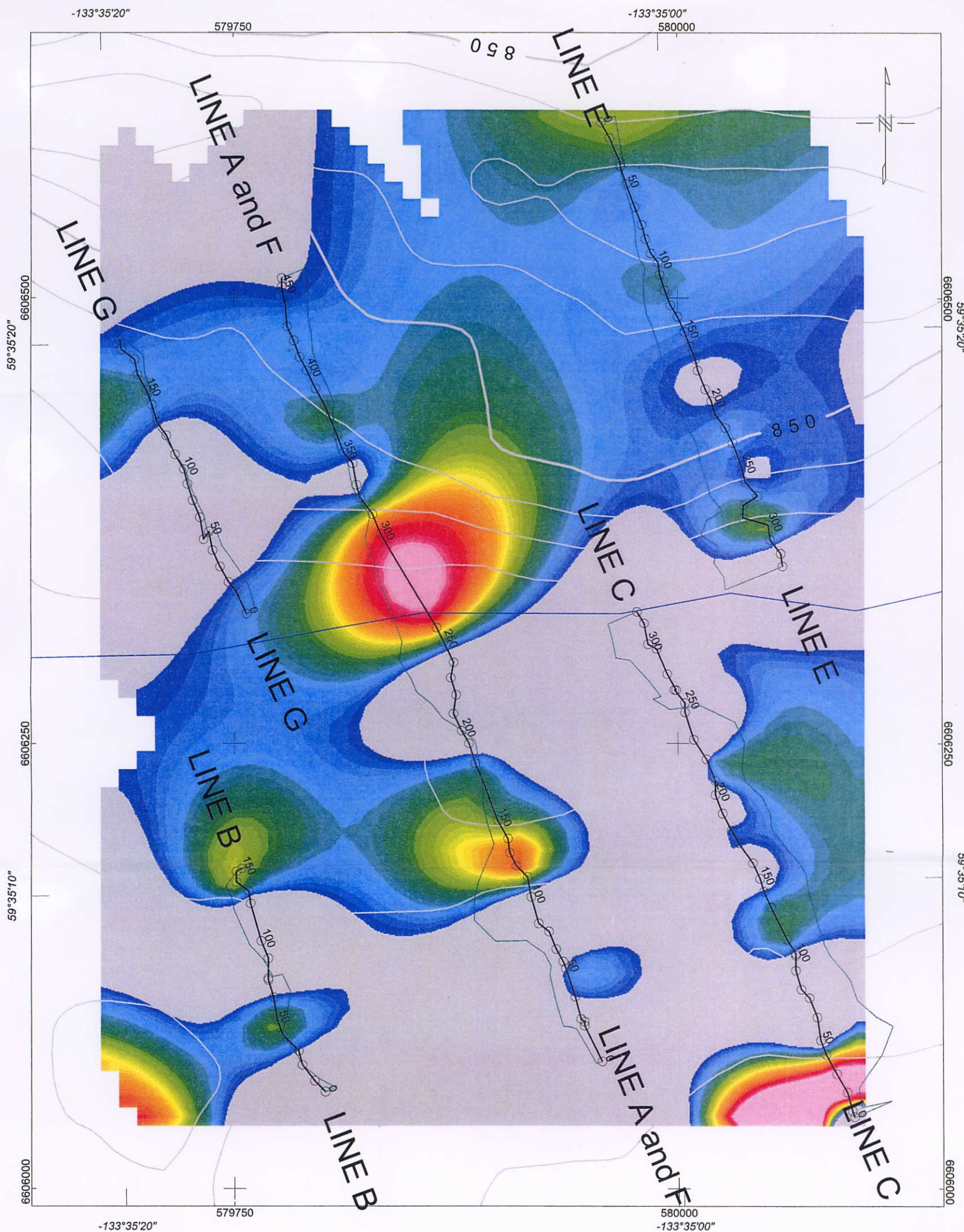


FIELD

D. JAVORSKY PROSPECTING INC.
PINE CREEK MAG-VLF
 FRASER FILTERED OP VLF : CUTLER, NAA (24.0 kHz)

NTS : 104 N/12
 DATE SURVEYED : OCTOBER, 2013
 PLACER CLAIM : 7463362
 FRASER FILTERED OUT-PHASE VLF CUTLER, NAA (24.0 kHz).MAP

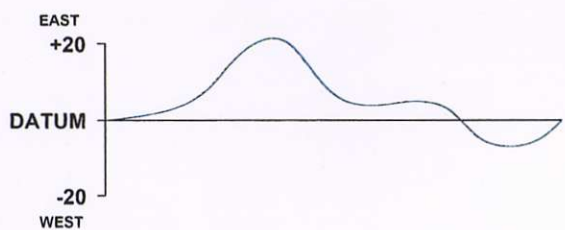
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**LEGEND
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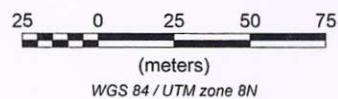
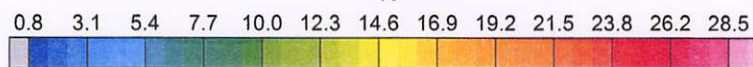
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 PROFILE SCALE : 1 cm = 20%

IN PHASE : _____



IN-PHASE DATUM : 0%
 DATA FILE : Pine Creek MagVLF Final.gdb
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 LINE-KM SURVEYED THIS SHEET : 1.41 km

**FRASER FILTERED VLF
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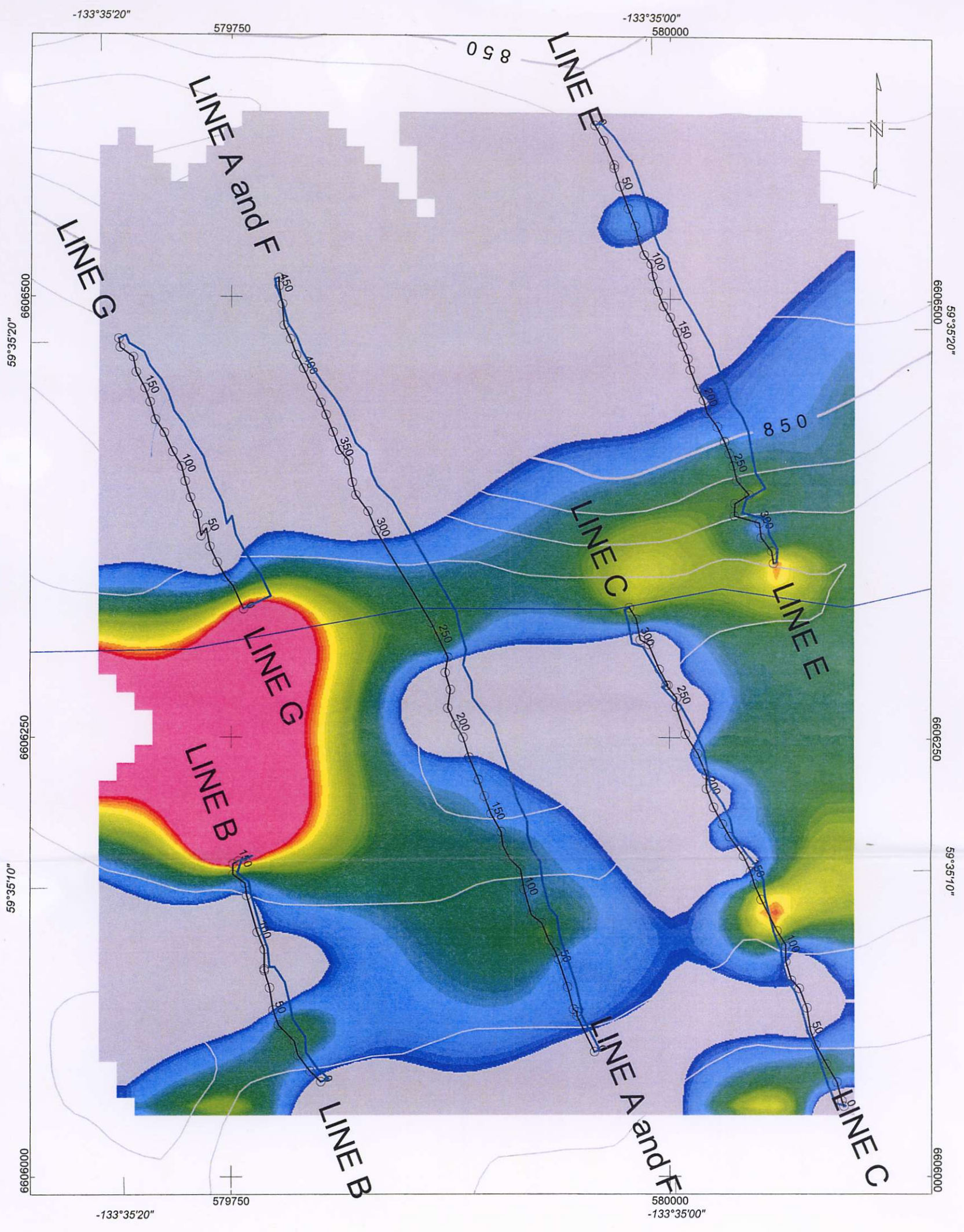
D. JAVORSKY PROSPECTING INC.

PINE CREEK MAG-VLF

FRASER FILTERED IN-PHASE VLF : SEATTLE, NLK (24.8 kHz)

NTS : 104 N/12
 DATE SURVEYED : OCTOBER, 2013
 PLACER CLAIM : 7463362
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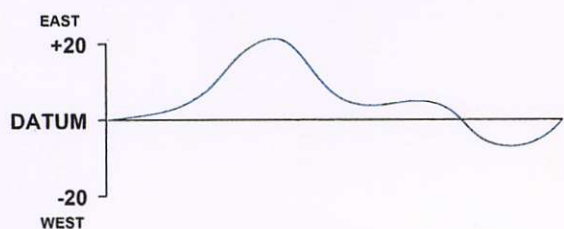
AURORA GEOSCIENCES LTD.



LEGEND
VLF

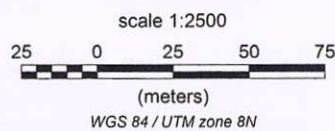
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 PROFILE SCALE : 1 cm = 20%

QUADRATURE :



IN-PHASE DATUM : 0%
 DATA FILE :Pine Creek MagVLF Final.gdb
 OPERATOR : AL
 STATION SEPARATION : 10 m
 LINE-KM SURVEYED THIS SHEET : 1.41 km

FRASER FILTERED VLF
%



FIELD

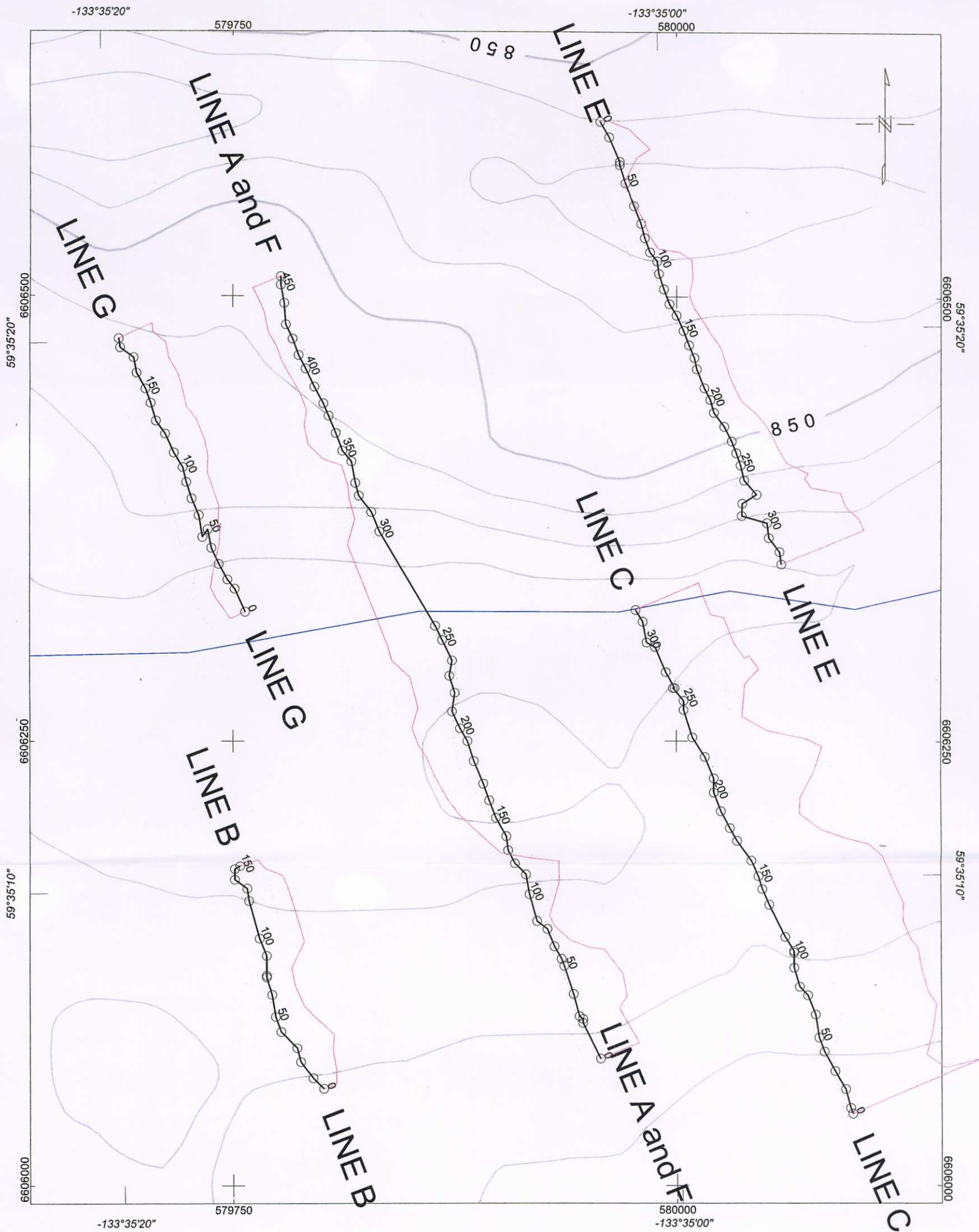
D. JAVORSKY PROSPECTING INC.

PINE CREEK MAG-VLF

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 DATE SURVEYED : OCTOBER, 2013
 PLACER CLAIM : 7463362
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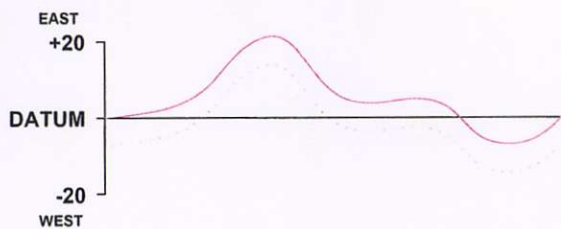
AURORA GEOSCIENCES LTD.



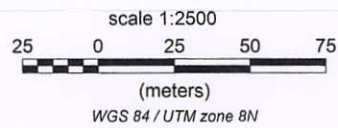
**LEGEND
VLF**

FREQUENCY : 24.0 kHz, NAA, Cutler, Maine, USA
 INSTRUMENT : GEM MAG/VLF
 PROFILE SCALE : 1 cm = 20%

IN PHASE : 
 QUADRATURE : 



IN-PHASE DATUM : 0%
 DATA FILE : Pine Creek MagVLF final.gdb
 OPERATOR : AL
 STATION SEPARATION : 10 m
 LINE-KM SURVEYED THIS SHEET : 1.41 km



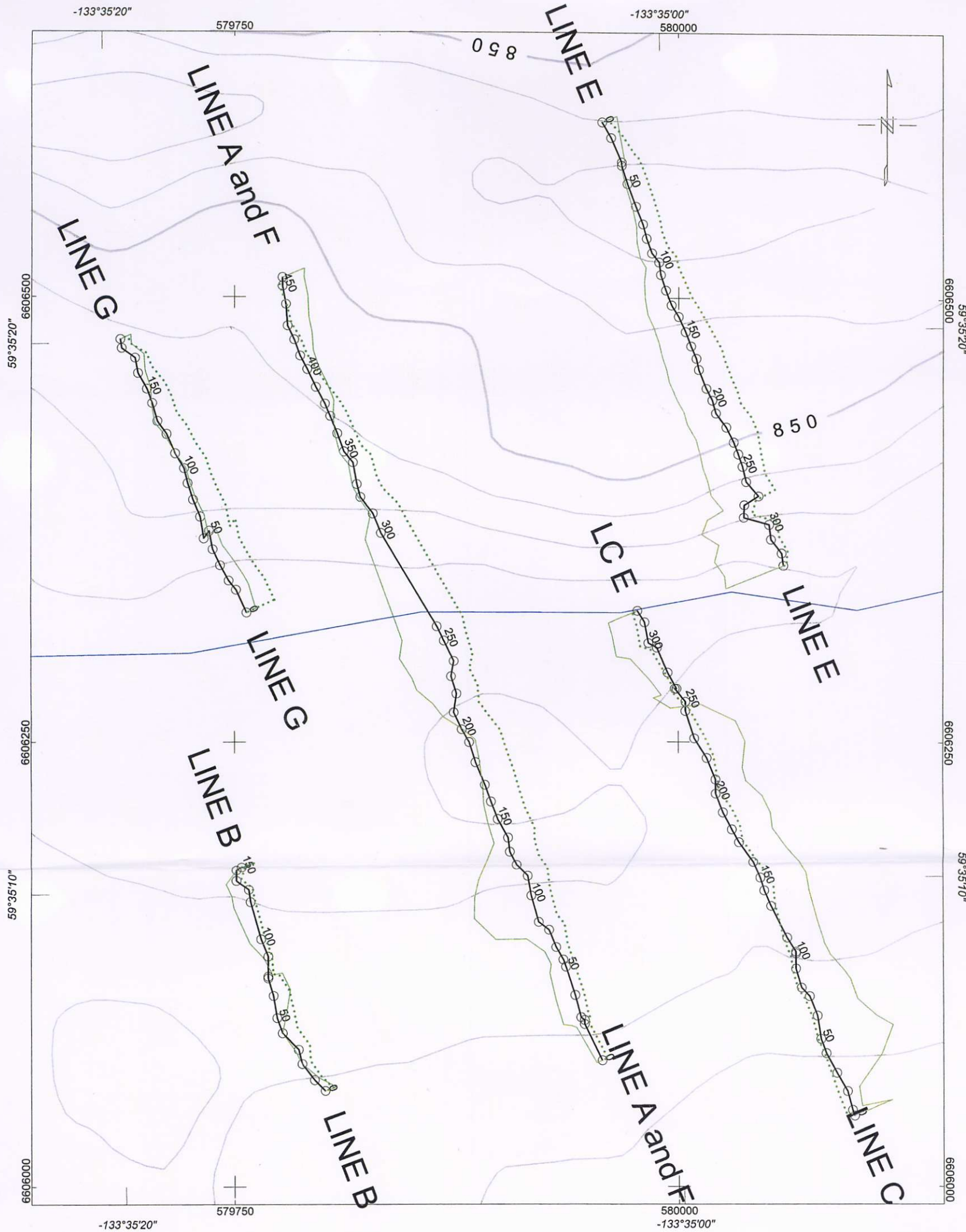
FIELD

D. JAVORSKY PROSPECTING INC.

**PINE CREEK MAG-VLF
 VLF PROFILES : NAA, CUTLER (24.0 kHz)**

NTS : 104 N/12
 DATE SURVEYED : OCTOBER, 2013
 PLACER CLAIM : 7463362
 PINE CREEK VLF PROFILES CUTLER, NAA (24.0 KHZ).MAP

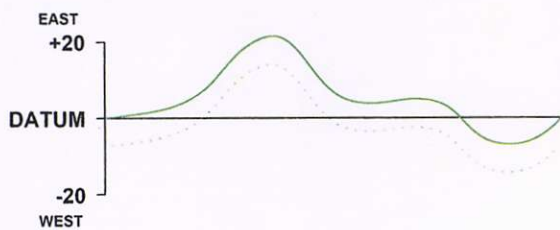
AURORA GEOSCIENCES LTD.



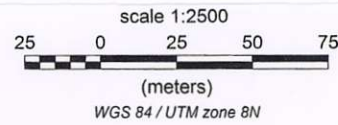
**LEGEND
VLF**

FREQUENCY : 24.8 kHz, NLK, Seattle, Washington, USA
 INSTRUMENT : GEM MAG/VLF
 PROFILE SCALE : 1 cm = 20%

IN PHASE : 
 QUADRATURE : 



IN-PHASE DATUM : 0%
 DATA FILE : Pine Creek MagVLF Final.gdb
 OPERATOR : AL
 STATION SEPARATION : 10 m
 LINE-KM SURVEYED THIS SHEET : 1.41 km



FIELD

D. JAVORSKY PROSPECTING INC.

**PINE CREEK MAG-VLF
 VLF PROFILES : SEATTLE, NLK (24.8 kHz)**

NTS : 104 N/12
 DATE SURVEYED : OCTOBER, 2013
 PLACER CLAIM : 7463362
 PINE CREEK VLF PROFILES SEATTLE, NLK (24.8 kHz).MAP

AURORA GEOSCIENCES LTD.



Aurora Geosciences Ltd.

3506 McDonald Drive
Yellowknife, NT X1A 2H1

Invoice

Date: 01/11/2013
Invoice #: 11920

Tel: 867-920-2729 Fax: 867-920-2739

Invoice To

E-mail: accounting@aurorageosciences.com

D. Javorsky Prospecting Inc.
818-470 Granville Street
Vancouver, BC V6C 1V5

Terms	P.O. No.	Project
		DJP-13561-BC Atlin Mag/VLF

Description	Qty	Unit	Rate	Amount	Tax
ATLIN MAG/VLF Property Location: BC Service and Expense Invoice to November 1, 2013					
Job Preparation & Equipment Checks		Fixed Cost	200.00	200.00T	SBC
Project Management	3	Hrs	75.00	225.00T	SBC
Geophysical Field Report & VLF Fraser Filtering	8	Hrs	75.00	600.00T	SBC
Mag VLF Survey Andre Lebel - October 29 & 30	1.5	Days	1,020.00	1,530.00T	SBC
EXPENSES					
Accommodation & meals			110.00	110.00T	SBC
Gas/Propane			66.68	66.68T	G
Food - non-taxable			3.04	3.04	
Food - taxable			5.69	5.69T	G
Administration charge on expenses (15%)			27.81	27.81T	SBC
GST on sales			5.00%	134.64	
GST on Sales			5.00%	3.62	
PST (BC) on sales			7.00%	188.50	

Approved by		Subtotal	\$2,768.22
GST/HST No.	886365816	GST/HST	\$326.76
Bank Info: Bank ID #003, Transit #09879, Account #1013606, RBC Royal Bank.		Total	\$3,094.98
Please quote invoice # and amount paid when making payments by emailing accounting@aurorageosciences.com			



10:30
Check in time

W
Initial

PO Box 39 First Street Atlin, BC V0W 1A0 / 250-651-7546 / atlininn@gmail.com / www.atlininn.com

GUEST REGISTRATION

N°2018059

Guest Name	André Hebel	Company Name	AUVOVA Geosciences
Guest Home Address	39A Labarge rd.	Company Address	
Postal Code/Zip	V1A5Y9	Postal Code/Zip	
Vehicle Registration	Licence #: Prov/Terr/State:	Make:	Colour: Year:
Arrival Date	10/29/13	# of Nights	1
Departure Date	Wed / Oct / 30 / 13		
Room/Cabin	#15	Room Rate	\$110 + Tax
Guest Signature	<i>André Hebel</i>		

Overseas Visitors

Passport No:
Nationality:

On Passport
Please Note: Check out unless by prior arrange

There is absolutely NO inside the hotel and col against your credit card occurred.

**Your credit card will a related) is required or if **A \$100 deposit is req

Notice to Guests: This management reserves Management is not re Guests, or for loss of n Thar

THE ATLIN INN
LAKE STREET LOT 1-8
ATLIN, BC

Term ID: 28275964

Purchase

XXXXXXXXXXXX0839
VISA Entry Method: M ias

Total: \$ 124.30 ig

2013/10/29 10:26:03
Seq #: 0011030030 Appr Code: 001118
Resp Code: 01/027

APPROVED
Thank You

Customer Copy
- IMPORTANT -
retain this copy for your records

Summary of Charges:

Room total: \$110.00

Additional Room charges:

Sub total: \$110.00

5% GST: \$5.50

8% PST: 8.80

Total: 124.30

Payment Method: Visa Master Card Amex Debit
 Cash Cheque On Account

Card # 0839- Expires: Card Security #

Room Deposit taken Y / N
Method of Room Deposit

Repaid Deposit
Room Paid in Full Y / N
paid by Dave Hildess Visa



PORTIER CREEK SUPER A
 1406 CENTENNIAL STREET
 WHITEHORSE, YUKON
 GST R397361473

#POR-007 10/30/2013 13:41:41 CHANEL
 Inv#:00399414 Trs#:399426

MUNCHIES MIX	\$1.49	G
** Voided		
MUNCHIES MIX	\$1.49	G
PURE APPLE JUICE 200 ML	\$3.04	
+Deposit: \$0.25		
+Environment fee: \$0.25		
CHICKEN	\$4.20	G
51.551 liter @ \$1.399/ 1 liter		
GAS REGULAR	\$72.12	3

Net Sales	\$80.85
Tax 1 [(\$5.69)]	\$0.28
Tax 3 [(\$5.69)]	\$3.43
Deposit	\$0.25
Environment fee	\$0.25
TOTAL SALES	\$81.63

SUB TOTAL	\$81.63
Visa	\$81.63
# *****0839	

Item count 4

TYPE: PURCHASE

ACCT: VISA
 AMOUNT : \$81.63

CARD NUMBER: *****0839
 DATE/TIME : OCT 30 2013 13:41:35
 REFERENCE #: 66218629 0010971640 C
 AUTHOR.# : 040538
 A000000031010
 VISA
 000008300
 F800

01 Approved-Thank You 027

** IMPORTANT **
 Retain this copy for your records

Customer Copy

Thank you

STATEMENT OF EXPENDITURES

Magnetic TMF and VLF ground geophysical survey Conducted by Aurora Geosciences Ltd.	\$ 3,094.98
David Javorsky - Prospecting - 4 days \$300/day	1,200.00
Truck Rental and Gas - 4 days Stuart to Atlin and return	1,250.00
Room and Board, Atlin Inn	550.00
Time spent preparing Assessment Report	<u>1,005.02</u>
TOTAL	\$ <u>7,100.00</u>

STATEMENT OF QUALIFICATIONS

I, DAVID JAVORSKY, prospector, state as follows:

That I have commissioned the included Memorandum of Total Magnetic Field (TMF) and VLF ground geophysical survey prepared by Aurora Geosciences Ltd. Consultants, dated 9 July 2014. That I paid for the VLF EM Survey set forth in this report.

That I am the owner of this mineral tenure.

That I graduated from the B.C. and Yukon Chamber of Mines Prospecting School.

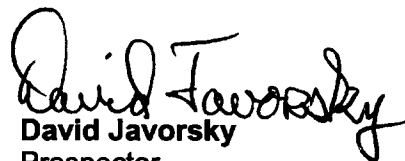
That I graduated from B.C. Geological Survey, Advanced Prospecting School where I was instructed in the operation of a VLF EM-16 Receiver and Magnetometers.

That I graduated from the B.C. Ministry of Energy, Mines and Petroleum Resources, Petrology for Prospector's Course.

That I have actively worked as a Prospector for most of the last 40+ years.

That my mailing address is #818 - 470 Granville Street, Vancouver, B.C. V6C 1V5.

Respectfully submitted,


David Javorsky
Prospector

August 10, 2014

Vancouver, B.C.

REFERENCES

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APPENDIX

Mineral Titles Online Report

**Minfile No. 104N030
Pine Creek**

Mineral Titles Online Report

Click on Tenure Numbers for more information.

Click column headings to sort results.

Download to Excel

<u>Tenure Number</u>	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area (ha)</u>
746362	Placer	PINE CREEK BOLDER PILE	20181105	81.9521

Total Area: 81.9521 ha

LIBC Metadata

Mineral Title Online

BC Geological Survey

British Columbia Ministry of Energy and Mines

Last updated in April 2007

[MINFILE Home page](#) | [ARIS Home page](#) | [MINFILE Search page](#) | [Property File Search](#)
MINFILE Record Summary
MINFILE No 104N 030
[XML Extract](#)
[Print Preview](#)
[PDF](#)


-- SELECT REPORT --

 New Window

 File Created:
 Last Edit:

 24-Jul-85
 08-Nov-13

 by BC Geological Survey (BCGS)
 by George Owsiacki(GO)

SUMMARY
[Summary Help](#) 

Name	PINE CREEK, GOLD RUN, PANAMA CANAL	NMI	104N11,12 Au6
Status	Past Producer	Mining Division	Atlin
Latitude	59° 35' 49" N	BCGS Map	104N053
Longitude	133° 32' 06" W	NTS Map	104N12E
Commodities	Gold	UTM	08 (NAD 83)
Tectonic Belt	Intermontane	Northing	6607437
		Easting	582702
		Deposit Types	C01 : Surficial placers
		Terrane	Plutonic Rocks, Cache Creek

Capsule Geology Pine Creek flows west from Surprise Lake into Atlin Lake about three kilometres south of the present townsite of Atlin. The creek is about 20 kilometres long and was the site of the initial discovery of gold in Atlin in 1898. The creek has been mined more or less continuously from that time to the present with both individual, and very large scale mechanical mining operations by large companies. Hydraulic mining was successful on this creek and relatively little underground work was done.

The creek is underlain by a belt of variably altered upper Mississippian to Permian ultramafic rocks that stretches from Surprise Lake to the town of Atlin. The rocks belong to the lower sections of the Cache Creek Complex. In the Pine Creek placer operation areas, the ultramafics are highly talc and serpentine altered.

The placer deposit is about 2 kilometres long and up to 350 metres wide. Like other areas in Atlin the pay gravels are located right above bedrock. Mining ceased at the eastern ends toward Surprise Lake because bedrock became progressively deeper and pits were too deep requiring removal of too much overburden with insufficient room for all the tailings.

Approximately 4,017,917 grams of gold were removed from Pine Creek from 1898 to 1945, the second largest producer in the Atlin gold fields behind Spruce Creek (104N 034)(Bulletin 28). However, increased work more recently on Pine Creek allowed it to become the largest producer in the Atlin area from 1956 onward.

In 1995, a seismic refraction and reflection survey was conducted on portions of Pine Creek for Western Pacific Mining Corporation to determine whether a deep, unexplored channel might exist within the valley containing Pine Creek. In 2011, D. Javorsky conducted a VLF-EM 16 survey over the Pine Creek placer claims in an attempt to find the continuation of the Surprise Lake fault.

Bibliography

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EMPR PF (Black, J.M. (1953): Atlin Placer Camp, Unpublished Report, 116 pages; Queenstake Resources Ltd., 1988 Annual Report)

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GSC SUM RPT XII; XIII; 1909; 1910; 1930A

GSC SEP RPT 958; 1085

GSC MEM 37; 307

GSC P 62-27; 74-47

GSC MAP 1082A

GSC OF 864

NAGMIN June 7, 1985

N MINER Aug.22, 1988