### YUKON MINING INCENTIVES PROGRAM

CONTRIBUTION AGREEMENT # 06-002

## THE PEANUT EXPLORATION PROJECT

VICTORIA CREEK - 2006 FINAL REPORT NTS 115-I-3 DAVID (BUD) DAVIS

Placer Prospecting Lease # IW00217 Lease staked to claims on July 11, 2006 Claims: Peanut 1 - 10 P47458 - P47467 Peanut 1 - Post # 1 (location)

> North Latitude 62 06.205' West Longitude 137 09.033'

Field work: May 29 - September 5, 2006

# TABLE OF CONTENTS

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Table of Contents	1
Yukon Mining Incentives Program Final Report Submission Form	2
Technical Report	3
Summary and Recommendations 3.1	
Property, Location & Access 3.2	
General area map Placer claim map Access air photo Property air photo	
Contractors & Rental Companies	
Equipment and Personnel 3.4	
Grid Establishment 3.5	
Property Sampling Program 3.6	
Trench Sample Descriptions 3.7	
Trench Logs and Photographs 3.8	
Geophysical Survey Report Aurora Geosciences Ltd. Magnetic Field Contour CD & Map	4
Reclamation Work and Photographs	5
Grid Location Map & Sample/Trench Location Map	6

# TAB



Jonathan Davis May 29, 2006 Getting to a placer exploration camp is half the fun !

# Bud Davis June 14, 2006 +28° C

I'd like to meet the guy who said establishing a grid was no problem !



### PEANUT EXPLORATION PROJECT - TECHNICAL REPORT

#### 3.1 SUMMARY AND RECOMMENDATIONS

The 2006 Peanut Project field season began on May 29 and finished on September 5. Three grids were established on the southern part of Placer Prospecting Lease #-IW00217 and a magnetometer geophysical survey was carried out.

A modified exploration sampling program was undertaken during the month of August. A total of nineteen trenches were excavated and stratagraphic samples were taken for heavy mineral analyses utilizing panning methods. This sampling program returned encouraging results, most notably from trenches # 1, 4, 6, 8, 9 & 10. However an opinion on the properties economic mining potential can not be made based on these initial panning results.

A further exploration program using small scale batch samples of 50 to 75 cubic yards per test site and processed through a gravity washplant is recommended. This 2007 program would both verify these initial results from the 2006 exploration program and quantify the heavy mineral fraction. The geophysical magnetometer survey recommendations and trench log analyses would be used to determine future sample location sites.

#### 3.2 PROPERTY, LOCATION AND ACCESS

Placer Prospecting Lease IW00217 was staked to claims on July 11, 2006. Placer claim map 115-I-3

Claim names ..... Peanut 1 - 10 Grant numbers .... P47458 - P47467 Claim owner ..... David (Bud) Davis

Access to the Peanut claims is via Carmacks, then west on the Mount Nansen road some 70 kilometres. The claims are on upper Victoria Creek and there is a two kilometre road that turns (east) off the Mount Nansen road about 8 kilometres west of the dormant BYG mine site.

Post #1 for Lease IW00217 and Peanut 1 are located at; North Latitude 62 06.205' West Longitude 137 09.033' (maps following page..)







AIR PHOTO TAKEN ON SEPTEMBER 30, 1994 FLIGHT LINE #A28155 PHOTO #47



## PLACER PROSPECTING LEASE IW00217

AIR PHOTO TAKEN ON SEPTEMBER 30, 1994 (MAGNIFIED) FLIGHT LINE #A28155 PHOTO #47



## 3.3 CONTRACTOR AND RENTAL COMPANIES

Contractor: Aurora Geosciences Ltd. 108 Gold Road Whitehorse, Yukon Y1A 2W3

> Attention: Phil Jackson, P.Geoph Geophysicist

> > Phone: (867) 668-7672

Equipment Rentals: Versatile Rentals Plus 101 Copper Road Whitehorse, Yukon YlA 2Z7

Attention: Tracey Jacobs

Phone: (867) 668-7215

Norcan Leasing 213 Range Road Whitehorse, Yukon Y1A 3E5

Phone: (867) 668-2137

#### 3.4 EQUIPMENT AND PERSONNEL

Equipment:	Dozer, Caterpillar D7E
	Excavator, Hitachi ZX-200
Personnel:	David (Bud) Davis Box 304, 201 Hanson St. Whitehorse, Yukon Y1A 1Y3
	Andrew Kaegi 95 Wilson Drive Whitehorse, Yukon Y1A 5R2
	Jonathan Davis Box 304, 201 Hanson St. Whitehorse, Yukon Y1A 1Y3

#### 3.5 GRID ESTABLISHMENT

Three separate grids were ground located in preparation for a magnetometer geophysical survey that was carried out by Aurora Geosciences Ltd. of Whitehorse.

The layout, linecutting, picketing and labelling of these three grids took place between June 11 and June 22. The grid work required 27 mandays to complete. Thread hipchains, compasses, hand cutting tools and a Garmin Legend GPS unit were used in locating the ground grids. The Garmin GPS unit was set up for map datum NAD83.

The three baselines totaled 780 metres with crosslines established at 30 metre spacing. The crosslines were flagged at 10 metre intervals and survey station locations marked every 20 metres. The three grid survey totaled 4.735 line kilometres.

<u>GRID "A"</u> baseline length 480 metres - Azimuth 352' crosslines 3,350 metres

baseline station A+00 UTM Northing 6887592 Easting 0387757

- baseline station A+480 UTM Northing 6888067 Easting 0387676
- <u>GRID "B"</u> baseline length 150 metres Azimuth 040' crosslines 805 metres baseline station B+00 UTM Northing 6887964 Easting 0387863 baseline station B+150 UTM Northing 6888075
- <u>GRID "C"</u> baseline length 150 metres Azimuth 262' crosslines 580 metres

baseline station C+00 UTM Northing 6887631 Easting 0387601

Easting

0387961

baseline station C+150 UTM Northing 6887625 Easting 0387453

Grid location map ..... TAB 6

#### 3.6 PROPERTY SAMPLING PROGRAM

The original planned sample collection program had to be modified due to mechanical problems with the shaker section of the gravity washplant. Time restraints of the exploration season prevented a satisfactory solution to the problem from being implemented during the 2006 field season. Small scale bulk samples of 50 to 75 cubic yards per test site were not able to be processed due to the washplants mechanical problems. These bulk tests were required to quantify the placer gold content of the gravels and the properties initial mining potential.

A property sampling program was carried out on selected sites by excavating 19 trenches and collecting gravel samples from various stratagraphic levels or layers.

The trenching program was carried out between August 9 and August 29, and a total of 1,129 cubic metres or 1,476 cubic yards were excavated during this program.

Seventy six (76) samples with volumes of approximately 10 litres each were collected from various trench stratagraphic levels and were then classified by panning down to minus mesh 3  $(-\frac{1}{4}")$  size fractions and volumes of about .5 litre.

Final panning reduced this .5 litre of fine gravels down to about 15 to 20 millilitres per sample. Descriptions and estimates of the heavy mineral fractions were then made from these final panned sample volumes.

The total field magnetic line profiles along with topographical features such as bench alignments and older channel locations all played a part in the selection of trenching site locations.

#### 3.7 TRENCH SAMPLE DESCRIPTIONS

## DEFINITIONS AND ABBREVIATIONS

- colours mineral grain clearly identifiable as gold without magnification, and confirmed with magnification
  - n/d none detected
    - tr trace, up to 5 colours
  - tr+ more than 5 colours
  - Au gold
  - Py pyrite
  - As arsenopyrite
  - Hm hematite
  - Mn manganese stained gravels
  - Qtz fine grain quartz sands
  - fine fine magnetite, grains less than 2mm
  - + c coarse magnetite, grains greater than 2mm
    - mm millimetre
    - ml millilitre

#### SAMPLE DESCRIPTIONS

Trench Number	Sample Number	Gold/Au colours	Magnetite	Magnetite volume/ml	Other Minerals	Comments
1	S-1	n/d	fine	-1m1	Py As	
	S-2	tr	fine + c	2m1	Py As	+ c to 5mm
	S-3	tr+	fine + c	5m1	Ру	flat Au lmm fleck

							the second s
Tre Num	nch ber	Sample Number	Gold/Au colours	Magnetite	Magnetite volume/ml	Other Minerals	Comments
2		S-1	n/d	fine	1.5m1	Py As Hm	
		S-2	n/d	fine	3m1	Py As	
		S-3	tr	fine	2m1	Py Hm	Qtz
		S-4	tr	fine	1m1	Py Hm	
		S-5	n/d	fine	1m <b>1</b>	Py As Hm	
		S-6	tr	fine	2m1	Ру	Qtz
3	5	S-1	n/d	fine	1m1	Py As	
		S-2	tr	fine	2m1	Py Qtz	flat Au 1mm fleck
		<u>S-3</u>	n/d	fine	<u> </u>	Py_Hm	
		S-4	n/d	fine	1m1	Py Hm	、 、
		S-5	tr	fine	<u>3m1</u>	Py As Hm	Qtz
4	ł	S-1	tr	fine	2m1	Py Hm	flat Au lmm fleck
		S-2	tr	fine	2m1	Ру	
		<u>S-3</u>	tr+	fine + c	<u>3m1</u>	Py As Hm	
5	5	<u>S-1</u>	n/d	fine	-1m1	Ру	
		<u>S-2</u>	tr	fine	<u>-1m1</u>	Py Hm	
		<u>S-3</u>	tr	fine	2m1	Ру	
6	5	<u>S-1</u>	n/d	fine	-1m1	Ру	
		S-2	n/d	fine	<u>1m1</u>	Py As	
		S-3	tr	fine	1.5m1	Ру	flat Au 1mm fleck
		S-4	tr	fine + c	2m1	Py Hm	+ c to 5mm

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Trench Number	Sample Number	Gold/Au colours	Magnetite	Magnetite volume/ml	Other Minerals	Comments
7	S-1	tr	fine	2m1	Py Hm	Qtz
	S-2	n/d	fine	-1m1	, Py	Qtz
	S-3	n/d	fine	-1m1	Py As Hm	Qtz
	S-4	tr	fine	-1m1	Py Hm	
8	S-1	tr	fine + c	1m1	Ру	rounded Au 2mm+ fleck
	S-2	tr	fine	<u>-1m1</u>	Ру	
9	S-1	tr	fine	1m1.	Ру	Qtz
	S-2	tr+	fine	3m1	Py As Qtz	rounded Au lmm fleck
	<u>s-3</u>	tr	fine	2m1	Py	
10	<u>S-1</u>	tr	fine	2m1	Py Hm	х. 
	S-2	tr	fine	1m1	Py Hm	
	<u>S-3</u>	tr+	fine + c	1.5m1	Ру	
	S-4	tr	fine + c	<u>1m1</u>	Py Qtz	coarser Au
11	S-1	tr	fine	-1m1	Py Hm	
	S-2	tr	fine	-1m1	Py_Hm	
	<u> </u>	tr	fine	1.5m1	Py As	
	<u>S-4</u>	n/d	fine	-1m1	Py As	
	<u>S-5</u>	tr	fine	-1m1	Py As	
12	<u>S-1</u>	tr	fine	_1m1	Ру	
	<u>S-2</u>	n/d	fine	-1m1	Py As	
	S-3	n/d	fine	-1m1	Ру	clay layer
	S-4	tr	fine	1m1	Ру	

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Trench Number	Sample Number	Gold/Au colours	Magnetite	Magnetite volume/ml	Other Minerals	Comments
13	S-1	tr	fine	1m1	Py Hm	Qtz
	S-2	tr	fine	-1m1	Py Hm As	Qtz
	<u>s-3</u>	tr	fine	<u>-1m1</u>	Py As	Qtz
	S-4	n/d	fine	<u>1m1</u>	Py Hm	Qtz
14	S-1	n/d	fine	-1ml	Py As	Qtz
	S-2	tr	fine	-1m1	Py Hm	Qtz
	<u>S-3</u>	tr	fine	1m1	Ру	Qtz
15	<u>S-1</u>	n/d	fine	-1m1	Py As	Qtz
	S-2	n/d	fine	-1m1	Py As Mn	Qtz
	<u>S-3</u>	tr	fine	<u>1m1</u>	Ру	Qtz
	<u>S-4</u>	n/d	fine	-1m1	Py	Qtz
	S-5	tr	fine	<u>lm1</u>	Ру	Qtz
16	<u>S-1</u>	n/d	fine	-1m1	Py	
	S-2	n/d	fine	-1m1	Ру	
	<u>S-3</u>	tr	fine	-1m1	Ру	
	S-4	tr	fine	-1m1	Ру	Qtz
	<u>S-5</u>	tr	fine	-1m1	Ру	Qtz
17	<u>S-1</u>	n/d	fine	-1m1	Py As	
	S-2	n/d	fine	<u>1m1</u>	Py Hm	
	<u>S-3</u>	tr	fine	1m1	<u>Py As Mn</u>	Qtz
	S-4	tr	fine	1.5m1	Ру	Qtz

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Trench Number	Sample Number	Gold/Au colours	Magnetite	Magnetite volume/ml	Other Minerals	Comments
18	S-1	tr	fine	-1m1	Py As	Qtz
	S-2	n/d	fine + c	-1m1	Py As	Qtz
	S-3	n/d	fine	-1m1	Ру	Qtz
	S-4	tr	fine	1m1	Ру	Qtz
19	S-1	n/d	fine	-1m1	Py Hm	
	S-2	tr	fine	lml	Py As	Qtz
	S-3	n/d	fine	-1m1	Py As	Qtz
	S-4	n/d	fine	-1m1	Ру	Qtz
	S-5	tr	fine	1m1	Ру	Qtz

# 3.8 TRENCH LOGS AND PHOTOGRAPHS

### TRENCHING SUMMARY

A total of 19 trenches were excavated for sampling between August 9 and August 29, 2006. The excavated volumes were calculated at 70% of trench dimensions, due to sloped trench ends and walls to prevent initial caving while collecting samples.

<u>Placer Claim</u>	<u>Cubic Metres</u>	or	<u>Cubic Yards</u>
Peanut 1 - 3	1,045		1,367
Peanut 4	84		109
	·		
Field season total	ls: 1,129		1,476

#### DEFINITIONS AND ABBREVIATIONS

locations	-	grid stations and/or GPS UTM coordinates Garmin Legend GPS unit - Datum NAD83
dimensions	-	trench dimensions are in metres
vegetative mat		includes willows, grasses, black muck, White River ash and "B" horizon soils
W.R.A	-	White River volcanic ash layer
m/c	-	multi coloured stones
S-#	-	sample numbers
boulders	-	diameters over 250mm (10")
gravels		diameters greater than 3mm (1/8")
sands	-	diameters less than 3mm (1/8")

### TRENCH 1 LOG

Location: Grid "A" Line A+60 Station +35 West UTM coordinates: Northing 6887648 Easting 0387709 Dimensions: 3 x 6 x 5m deep Volume (70%) 63 cubic metres Samples: S-1 @ 1.5m S-2 @ 3m S-3 @ 5m Depth log: 0 - .5 - vegetative mat

.5 - thin W.R.A. layer (10-20cm)

- 0.5 3.5 well sorted m/c sands & gravels with green matrix. Progressing to a few boulders at 3.5m
  - 3.5 ground water & clay layer (10-15cm)
- 3.5 5.0 uniform m/c gravels up to 10cm

5.0 - broken blocky bedrock



### TRENCH 2 LOG

Location: Grid "A" Line A+00 Station +30 East UTM coordinates: Northing 6887600 Easting 0387784 Dimensions: 3 x 7 x 5m deep Volume (70%) 73 cubic metres Samples: S-1 @ 2.0m S-2 @ 2.5m S-3 @ 3.5 S-4 @ 4.0 S-5 @ 4.5m S-6 @ 5.0m Depth log: 0 - .3 - vegetative mat .3 - thin W.R.A. layer (5-10cm) 0.3 - 2.8 - well sorted m/c sands & gravels with green/grey matrix. Progressing to boulders at 2.8m 2.8 - heavy ground water flow clay layer (10-15cm) 2.8 - 5.0 - uniform m/c sandy gravels up to 15cm 5.0 - bedrock not reached

**TRENCH 2** (ground water flow heavy, late photo)



# TRENCH 3 LOG

Location:	Grid "A" On	baseline 10 metres north of Line A+00
UTM coordin	nates: Northi	ing 6887603 Easting 0387757
Dimensions:	3 x 6 x 6m	deep Volume (70%) 75 cubic metres
Samples:	S-1 @ 1.5m	S-2 @ 2.5m S-3 @ 4.0m
	S-4 @ 5.5m	S-5 @ 6.0m
Depth log:	05 -	vegetative mat
	.5 -	thin W.R.A. layer (10-15cm)
	0.5 - 1.5 -	uniform m/c gravels
	1.5 - 3.0 -	clay intermixed with uniform gravel
	3.0 -	manganese stained gravel layer (20cm) heavy ground water flow
	3.0 - 6.0 -	well sorted gravels, interbedded with multiple greenish clay layers (5-15cm)
	6 0	hodrock not reached



### TRENCH 4 LOG

Location: Grid "A" Line A+30 Station +20 West UTM coordinates: Northing 6887624 Easting 0387729 Dimensions: 3 x 5 x 6m deep Volume (70%) 63 cubic metres Samples: S-1 @ 2.0m S-2 @ 3.5m S-3 @ 5.5m Depth log: 0 - .5 - vegetative mat .5 - thin W.R.A. layer (10-15cm) 0.5 - 2.0 - uniform m/c gravels with banded clay layers 5-10 cm thick 2.0 - 4.0 - poorly sorted m/c gravels, few boulders 4.0 - minor ground water flow 4.0 - 6.0 - finer gravels to 10cm, mostly rounded 6.0 - bedrock not reached



#### TRENCH 5 LOG

Location: Grid "A" 3 metres south of Line A+60 From +55 West to +83 West UTM coordinates: Northing 6887633 Easting 0387688 East end of trench Dimensions: 3 x 28 x 1.5m deep Volume (70%) 88 cubic metres Samples: S-1 @ 0.7m S-2 @ 1.3m S-3 @ 1.5m Depth log: 0 - .5 - vegetative mat .5 - thin W.R.A. layer (5-10cm) 0.5 - 1.5 - uniform m/c fine sands & gravels to 3cm, lite green matrix in western part of trench, rusty brown matrix in eastern 6 metres

> 1.5 - broken blocky bedrock identified as an Andesite intrusive and is weakly magnetic, this answers the magnetic anomaly at Line A+60 Station +70 West

#### **TRENCH 5** (Eastern end)



### TRENCH 6 LOG

Location: Grid "A" Line A+30 Station +40 West UTM coordinates: Northing 6887611 Easting 0387711 Dimensions: 3 x 5 x 6m deep Volume (70%) 63 cubic metres Samples: S-1 @ 2.0m S-2 @ 3.0m S-3 @ 4.5m S-4 @ 5.5m Depth log: 0 - 1.0 - vegetative mat

- 1.0 thin W.R.A. layer (5-10cm)
  manganese strained gravel layer (5cm)
  under the W.R.A
- 1.0 2.0 poorly sorted m/c gravels, few boulders
- 2.0 6.0 m/c gravel with green/grey matrix better sorted, boulders near 6m
  - 6.0 minor clay layer and ground water
  - 6.0 bedrock not reached



## TRENCH 7 LOG

Location: Grid "A" Halfway between Line A+00 and Line A+30 at approximately station +90 West UTM coordinates: Northing 6887594 Easting 0387672 Dimensions: 3 x 5 x 5m deep Volume (70%) 52 cubic metres Samples: S-1 @ 1.5m S-2 @ 2.5m S-3 @ 3.5m S-4 @ 4.5m Depth log: 0 - .5 - vegetative mat .5 - thin W.R.A. layer (5-10cm) .5 - 2.0 - blocky and rounded gravels 2.0 - 5.0 - evenly sorted m/c gravels contained within alternating green and brown tinted matrix layers 5.0 - broken blocky bedrock no ground water flow

**TRENCH 7** (missed photograph with trench open)

#### TRENCH 8 LOG

Location: Grid "A" Halfway between Line A+00 and Line A+30 at approximately station +140 West UTM coordinates: Northing 6887586 Easting 0387616 Dimensions: 3 x 5 x 4m deep Volume (70%) 42 cubic metres Samples: S-1 @ 1.5m S-2 @ 3.5m Depth log: 0 - .5 - vegetative mat .5 - thin W.R.A. layer (10-20cm)

- .5 2.0 mostly blocky rocks with minor rounded gravels in a rusty brown matrix
- 2.0 4.0 continued mostly blocky rocks with more m/c gravels now in a greenish tinted matrix
  - 4.0 broken blocky bedrock no ground water flow



### TRENCH 9 LOG

Location: Grid "A" Line A+30 Station +115 West UTM coordinates: Northing 6887612 Easting 0387632 Dimensions: 3 x 4 x 4m deep Volume (70%) 33 cubic metres Samples: S-1 @ 2.Om S-2 @ 3.0m S-3 @ 4.0m Depth log: 0 - .5 - vegetative mat .5 - thin W.R.A. layer (5-10cm) .5 - 1.0 - mostly blocky rock layer with a rusty brown matrix 1.0 - 2.0 - m/c gravels with a greenish matrix 2.0 - 4.0 - blocky and rounded gravels now in a rusty brown matrix, rounds m/c 4.0 - broken blocky bedrock no ground water flow

**TRENCH 9** (photograph of trench open failed development)

## TRENCH 10 LOG

Location: Grid "A" Line A+180 Station +65 East UTM coordinates: Northing 6887777 Easting 0387795 Dimensions: 3 x 5 x 4.5m deep Volume (70%) 47 cubic metres Samples: S-1 @ 1.5m S-2 @ 2.5m S-3 @ 3.5m S-4 @ 4.5m Depth log: 0 - .3 - vegetative mat

- no W.R.A. layer
- .3 1.0 m/c gravels to boulder size
- 1.0 2.5 fine m/c gravels with brown matrix ground water flow at 2.5m
- 2.5 4.5 well sorted m/c gravels with a green silty matrix, progressing to boulders at 4.5m
  - 4.5 broken bedrock ??



## TRENCH 11 LOG

Location: Grid "A" Line A+240 Station +35 to +50 West UTM coordinates: Northing 6887837 Easting 0387683 East end of bench trench Dimensions: 4 x 18 x 1m deep Volume (70%) 50 cubic metres Samples: S-1 @ .5m S-2 @ .75m S-3 @ .75m S-4 @ 1.0m S-5 @ 1.0m Samples taken laterally up bench, which was later re-contoured for equipment access to claims Peanut 1, 2 and 3. Depth log: 0 - .2 - vegetative mat .2 - thin W.R.A. layer (5-10cm) .2 - 1.5 - fine m/c gravels with green matrix 1.5 - broken bedrock at sample #1 location UTM coordinates listed above



## TRENCH 12 LOG

Location: Grid "A" Line A+240 Station +60 to +78 West UTM coordinates: Northing 6887806 Easting 0387643 West end of trench's westerly extension Dimensions: 3 x 18 x 2m deep Volume (70%) 75 cubic metres 4.5 metres maximum depth in frozen clay layer S-1 @ 1.5m S-2 @ 2.5m S-3 @ 4.5m S-4 @ 2.0m Samples: S-3 clay layer S-4 frozen gravel at west end Depth log: 0 - .5 - vegetative mat .5 - thin W.R.A. layer (5-10cm) .5 - 2.5 - fine m/c gravels with green matrix 2.5 - 4.5 - frozen clay layer, ultimate thickness unknown 2.0 - frozen m/c rounded fine gravels in greenish matrix at trench west end 4.5 - bedrock not reached



## TRENCH 13 LOG

Location: Grid "B" Baseline at station B+85 northeast UTM coordinates: Northing 6888022 Easting 0387920 Dimensions: 3 x 5 x 4.5m deep Volume (70%) 47 cubic metres Samples: S-1 @ 1.0m S-2 @ 2.0m S-3 @ 3.0m S-4 @ 4.0m Depth log: 0 - .5 - (est.) vegetative mat & W.R.A. layer mostly removed years ago .5 - 1.0 - fine m/c rounded gravels with a lite brown matrix 1.0 - 2.0 - rounded m/c gravels with a grey sand and silt matrix 2.0 - 4.5 - m/c rounded uniform gravels in greenish sandy matrix 4.5 - clay layer & minor ground water flow bedrock not reached



## TRENCH 14 LOG

Location: Grid "B" Line B+30 Station +20 North UTM coordinates: Northing 6887999 Easting 0387871 Dimensions: 3 x 5 x 5m deep Volume (70%) 52 cubic metres Samples: S-1 @ 1.5m S-2 @ 3.0m S-3 @ 4.5m Depth log: 0 - .5 - (est.) vegetative mat & W.R.A. layer mostly removed years ago .5 - 3.5 - fine m/c rounded gravels with a green and brown mixed matrix 3.5 - thin clay layer (10-15cm) minor ground water flow 3.5 - 5.0 - fine m/c gravels to 5cm in sandy grey matrix 5.0 - rusty/orange broken bedrock ??



#### TRENCH 15 LOG

Location: Grid "A" Line A+360 Station +85 East UTM coordinates: Northing 6887946 Easting 0387781 Dimensions: 3 x 5 x 6m deep Volume (70%) 63 cubic metres Samples: S-1 @ 1.5m S-2 @ 2.5m S-3 @ 3.5m S-4 @ 4.5 S-5 @ 5.5m Depth log: 0 - .5 - vegetative mat .5 - W.R.A. layer (10-15cm) .5 - 1.5 - m/c rounded gravels with green matrix 1.5 - 2.5 - manganese stained gravel unit 2.5 - 4.5 - well sorted m/c gravels to boulders in layered grey & brown mixed matrix minor ground water flow @ 4.5m 4.5 - 6.0 - small fine uniform gravels mixed with minor amounts of clay 6.0 - a few large boulders, bedrock not reached



## TRENCH 16 LOG

Location: Grid "A" Line A+480 Station +85 West UTM coordinates: Northing 6888052 Easting 0387588 Dimensions: 4 x 6 x 5m deep Volume (70%) 84 cubic metres Samples: S-1 @ 1.5m S-2 @ 2.0m S-3 @ 3.0m S-4 @ 4.5 S-5 @ 3.5m (east side of trench) Depth log: 0 - .3 - vegetative mat .3 - .7 - west side W.R.A. (5-50cm) W.R.A. cutoff on east half of trench .7 - 4.0 - (west side) blocky & m/c rounded gravels with green silty matrix a few boulders & ground water @ 4m .3 - 4.5 - (east side) rounded m/c gravel to 5cm in rusty brown matrix 4.5 - 5.0 - crumbly grey bedrock



## TRENCH 17 LOG

Location: Grid "A" Halfway between Lines A+00 and A+30 at approximately station +65 West UTM coordinates: Northing 6887601 Easting 0387693 Dimensions: 3 x 5 x 4m deep Volume (70%) 42 cubic metres Samples: S-1 @ 1.0m S-2 @ 2.0m S-3 @ 3.0m S-4 @ 4.0 Depth log: 0 - .3 - vegetative mat

.3 - thin W.R.A. layer (5-15cm)

- .3 2.0 blocky & m/c rounded gravels with a lite brown matrix
- 2.0 3.0 gravels with a few boulders minor ground water flow @ 3m
- 3.0 4.0 clay with rounded m/c gravels
  - 4.0 blocky rock unit, bedrock ?



## TRENCH 18 LOG

Location: Grid "A" Line A+60 Station +35 East UTM coordinates: Northing 6887653 Easting 0387777 Dimensions: 3 x 6 x 4m deep Volume (70%) 50 cubic metres Samples: S-1 @ 2.5m S-2 @ 3.0m S-3 @ 3.5m S-4 @ 4.0m Depth log: 0 - 1.0 - vegetative mat 1.0 - 1.3 - W.R.A. layer (20-30cm)

> 1.3 - 2.5 - m/c rounded gravels up to 10cm with a brown matrix

- 2.5 3.5 gravels with a few boulders ground water flow @ 3.5m
- 3.5 4.0 clay with rounded m/c gravels

4.0 - bedrock not reached



### TRENCH 19 LOG

Location: Grid "A" Halfway between Lines A+120 and A+150 at approximately station +20 West UTM coordinates: Northing 6887724 Easting 0387736 Dimensions: 3 x 5 x 6m deep Volume (70%) 63 cubic metres Samples: S-1 @ 1.5m S-2 @ 2.5m S-3 @ 3.5m S-4 @ 4.5m S-5 @ 5.5m Depth log: 0 - .5 - vegetative mat - .5 - thin W.R.A. layer (10-20cm) .5 - 4.5 - well sorted m/c rounded gravels up

- to 15cm with a brown matrix, green tinted mixed layers below 2.5m
  - 4.5 minor ground water flow
- 4.5 6.0 slight clay intermixed with rounded m/c small gravels
  - 6.0 bedrock not reached




Aurora Geosciences Ltd. Field Crew June 29, 2006

Gabriel Fortin, Crew Chief/Geologist Cody Woodman, Assistant



Gabriel Fortin, surveying Line A+30 at Station +140 West

AURORA GEOSCIENCES LTD.

#### **BUD DAVIS**

#### TOTAL MAGNETIC FIELD SURVEY VICTORIA CREEK, PEANUT PROPERTY WHITEHORSE MINING DISTRICT, YUKON TERRITORY

#### Phil Jackson AURORA GEOSCIENCES LTD.

### <u>CLAIMS</u>

PEANUT 1 - 10 P47458 - P47467

Formerly Placer Prospecting Lease IW00217

Location: 62° 6' 42" N, 137° 9' 33"W NTS: 115 I/03 Mining District: Whitehorse Date: October 1, 2006

AURORA GEOSCIENCES LTD.

#### SUMMARY

A total magnetic field survey was conducted on the Peanut Property for Bud Davis, in order to locate detrital magnetic concentrates associated with placer gold deposits. The survey area is located along Victoria Creek, 50 km W of Carmacks,Yukon. The survey was conducted on a flagged grid with survey control aided by nondifferential GPS navigation. The survey was conducted on June 28<sup>th</sup> and June 29<sup>th</sup>. A total of 4.735 line-km was surveyed on 30m line spacing. A subtle magnetic feature is identified trending NS and exhibits characteristics of detrital or weak dipole clusters. It is recommended that the NS trending feature be test pitted at the southern end of Grid A to test for concentrations of gold that may be associated with magnetite in the area. If favourable results occur, further pitting and testing for gold should be continued to the north, as the subtle feature likely continues across the boundary seen at L300N. An expansion of the magnetics survey towards the west on grid A is also recommended to confirm the boundary of the strong magnetic anomaly as well as to test for the possibility of a splay to the NW.

## TABLE OF CONTENTS

1.0 INTRODUCTION 1		
2.0 LOCATION AND ACCESS 1		
3.0 PROPERTY 1		
4.0 PHYSIOLOGY & REGIONAL GEOLOGY 1		
5.0 SURVEY GRID		
6.0 PERSONNEL AND EQUIPMENT		
7.0 SURVEY SPECIFICATIONS 4		
8.0 MAGNETIC FIELD THEORY 4		
9.0 RESULTS		
10.0 DISCUSSION & RECOMMENDATONS 5		
REFERENCES CITED 6		
APPENDIX A. CERTIFICATE		
APPENDIX B. SURVEY LOG		
APPENDIX C. STATEMENT OF EXPENDITURES		
APPENDIX D. INSTRUMENT SPECIFICATIONS		
LIST OF FIGURES		
Figure 1. Property location Following page 1		
Figure 2. Grid location Following page 1		
Figure 3. Regional Geology Following page 2		
Figure 4. Total magnetic field contour map Back pocket		

#### 1.0 INTRODUCTION

Aurora Geosciences Ltd. was retained by Bud Davis to conduct a ground total magnetic field survey on the Victoria Creek, Peanut Placer Property. A total of 4.735 line-km were surveyed. The surveys were conducted on June 28th and 29th, 2006 to locate magnetite bearing pay streaks along Victoria Creek. This report describes the surveys performed, data, results and an interpretation.

#### 2.0 LOCATION AND ACCESS

The Peanut Property is located along Victoria Creek West of Carmacks, Yukon. and is centered at 62° 6' 42" N 137 ° 9' 33" W (Figure 1). The surveyed area runs along a swampy valley hemming-in Victoria creek, the crew was mobilized to camp via 4x4 truck from Whitehorse. The property is located approximately 50 km West of Carmacks.

#### 3.0 PROPERTY

The Peanut Placer Property consists of the following claims staked under the Yukon Placer Mining Act in the Whitehorse Mining District<sup>1</sup>. Claim information is summarized below:

<u>Claim Name</u>	Grant Number	Owner	Expiry Date
PEANUT 1-10	P47458 - P47467	David (Bud) Davis	July 14, 2007

Claim locations as shown on government claim maps are shown in Figure 2. Ground checks have shown the current government claim map to be incorrect. The grid location on all figures is correct, however it should be noted that the grid lies entirely within the Peanut claims, with the south end of Grid A positioned at the south end of the Peanut 1 claim.

#### 4.0 PHYSIOLOGY AND REGIONAL GEOLOGY

The property and survey grid area are in the Mount Nansen area at elevations ranging from 4200 to 5200 feet. The area is subject to continental climatic conditions with short, hot, generally dry summers and cold winters. Temperatures range from -20 to -55°C during the winter and from 10 to 30°C during the in the summer.

<sup>1</sup> Claim information from <u>www.yukonminingrecorder.ca</u> on Oct. 1, 2006





The Peanut Property is located in the northern Cordillera. The regional geology is shown in Figure 3 and rock unit lithologies are briefly summarized in Table 1. (Gordey et al., 2003).

Table 1. Stratigraphy

Rock unit	Lithology
Mount Nansen Group mKN	massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff, massive, heterolithic, quartz and feldspar-phyric, feldspar lapilli tuff, flow banded quartz phyric rhyolite and quartz feldspar porphyry plugs, dykes, sills and breccia (Mount Nansen GP., Byng Creek Volcanics, Hutshi Gp.)
Whitehorse Suite - mKyW	hornblende syenite, grading to granite or granodiorite (Whitehorse Suite)
Prospector Mountain Suite - LKqP	quartz monzonite, biotite quartz-rich granite; porphyritic alaskite and granite with plagioclase and quartz-eye phenocrysts; biotite and hornblende quartz monzodiorite, granite, and leucocratic granodiorite with local alkali feldspar phenocrysts (Prospector Mountain Suite, Carcross Pluton)
Long Lake Suite - EJyL	resistant, dark weathering, massive, coarse- to very coarse- grained and porphyritic, mesocratic hornblende syenite; locally sheared, commonly fractured and saussuritized; locally has well developed layering of aligned pink K-feldspar tablets (Big Creek Syenite)



\_\_\_\_\_

4\_\_\_\_\_

#### 5.0 SURVEY GRID

Three separate grids were established using a hipchain and magnetic compass. The grids are orientated with the base line having the same azimuth as the associated creeks. Grid A tracks along Victoria Creek at an azimuth of 350°, Grid B follows Liberty Creek at 43° and Grid C follows a nameless creek at the south end of Grid A with the baseline tracking 265°. Survey lines are orthogonal to the baselines, line separation on all grids is 30 meters and stations along the lines were marked with flagging tape at ten meter intervals. Data from all three grids has been merged to form a single database and plotted as a single map. Control for the magnetic survey was maintained with nondifferential GPS navigation. The operator's track was recorded then matched with the magnetic data through the time stamp and interpolation.

#### 6.0 PERSONNEL AND EQUIPMENT

The survey was conducted by the following personnel:

Gabriel Fortin	Crew chief, Junior Geologist
Cody Woodman	Field technician

The crew were equipped with the following instruments and equipment:

Field magnetometer:	2 - Gem GSM-19T proton precession magnetometer.
Base magnetometer:	1 - Gem GSM-19T proton precession magnetometer.
Data processing:	P-1.2GHz laptop with Oasis Montaj software package.
Other equipment:	1 - satellite phone 2 - Garmin 72 non-differential GPS receivers

The geophysical crew spent a total of 4 man-days on the property. The geophysical survey log is attached as Appendix B.

#### 7.0 SURVEY SPECIFICATIONS

The magnetometer survey was conducted according to the following specifications:

Station spacing:

5 m nominal, location of each station matched to GPS position through the track time stamp and interpolation.

Base station magnetometer:

Installed on the survey grid at 387753E, 6888057N near the camp and cycled at 5 s. Variations exceeding 10 nT over the 5s interval were rejected.

Syncronization:

Base and rover mags were synchronized daily to GPS time (UTC).

#### 8.0 MAGNETIC FIELD THEORY

Magnetic field theory is well described in standard texts (eg. Telford *et. al.* 1990). In a placer setting, magnetite derived from bedrock weathering is concentrated in the main channel of a creek or river (thalweg) where the water flow has the highest velocity and greatest turbulence. As a result, minerals with high specific gravity (magnetite, ilmenite, gold, etc.) are preferentially concentrated in this region of the stream bed as material with lower specific gravity is winnowed from the sediment. High concentrations of "black sand" (magnetite, ilmenite, chromite) are often recorded in auriferous pay streaks where the stream bed has remained relatively immobile for some period, permitting hydraulic concentration to build up a significant volume of these minerals.

The materials comprising black sand are magnetically susceptible. Magnetite has a very high magnetic susceptibility of  $1200-19200 \times 10^{-3}$  SI units, ilmenite ranges from  $300-3500 \times 10^{-3}$  SI units. Average magnetic susceptibilities for sedimentary, igneous (excluding ultramafic) and metamorphic rocks are 0-18, 3-160 and 0-70  $\times 10^{-3}$  SI units and the magnetic susceptibility of fluvial sediments is in the range  $0-2 \times 10^{-3}$  SI units. There is consequently a significant susceptibility contrast between gravels with elevated concentrations of black sand and both bedrock and average gravels.

#### 9.0 **RESULTS**

Digital data is appended to this report on CDROM. The magnetic field data is in the following format:

Line Station UTME\_WGS84 UTMN\_WGS84 Rawmag Corr mag Final

"Rawmag" is the raw total magnetic field reading from the rover unit, "Corr\_mag" is the reading after the diurnal correction has been applied and "Final" is the final data set after all levelling required for day to day and operator to operator level shifts. A plot at 1:2000 is appended to this report in the back pocket:

Figure 4. Total magnetic field contour map

#### 10.0 DISCUSSION & RECOMMENDATIONS

The total magnetic field survey identified several significant features on the property. Data collected was levelled with 57000 nT as the datum. The total field ranges from 56698 nT to approximately 58100 nT, with areas of magnetic high over 57700 nT. A large magnetic high is seen on the southern half of Grid A, a change in lithology and/or faulting is interpreted at L300N, within the magnetic high a more subtle magnetic feature trends from the southern end of the baseline on Grid A through to L300N, the trend is indicated in Figure 4 and may continue past L300N as it is hidden by the stronger lithologic change. The feature can be traced as seen in Figure 4 and exhibits characteristics of detrital or weak dipole clusters.

It is recommended that the NS trending feature be test pitted at the southern end of Grid A to test for concentrations of gold that may be associated with magnetite in the area. If favourable results occur, further pitting and testing for gold should be continued to the north, as the subtle feature likely continues across the boundary seen at L300N. An expansion of the magnetics survey towards the west on grid A is also recommended to confirm the boundary of the strong magnetic anomaly as well as to test for the possibility of a splay to the NW. The subtle feature as traced on Figure 4 is currently shown as open to the south and north with the possibility of a splay to the northwest, it should also be noted that features seen past the end the survey lines, particularly at the west side of L60N on Grid A appear large and open due to artifacts created by the minimum curvature gridding algorithm.

AURORA GEOSCIENCES LTD.

Respectfully submitted,

### AURORA GEOSCIENCES LTD.

1:0.1 Phil Jackson, P.Geoph.

Geophysicist



#### **References Cited**

# Telford, W.M., L.P. Geldart and R.E. Sheriff (1990) <u>Applied Geophysics (2<sup>nd</sup> Edition</u>) New York: Cambridge University Press.

Gordey, S.P., Makepeace, A.J., 2003: Yukon digital geology, version2.0, S.P. Gordey and A.J. Makepeace (comp.), Geological Survey of Canada, Open File 1749, and Yukon Geological Survey, Open File 2003-9(D)

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# APPENDIX A. CERTIFICATE

AURORA GEOSCIENCES LTD.

#### STATEMENT OF QUALIFICATIONS

I, Phil Jackson, of the City of Whitehorse, Yukon, Canada,

#### HEREBY CERTIFY:

That my address is 75 Walnut Cresent, Whitehorse, YT Y1A 5C7.

That I am a graduate of Concordia University in Geology / Physics: B.Sc. - Concordia University, Montreal, Quebec, 1996

That I have been a practising Geophysicist since 1997:

January 1997 to present

Aurora Geosciences Ltd. Yellowknife, N.W.T. Geophysicist

That I am registered as a Professional Geophysicist by The Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories (Registration #1667).

That I am entitled to practice as a Professional Geophysicist in the Northwest Territories and Nunavut.

That I have no direct or indirect interest in the Peanut Property.

Dated this 5<sup>th</sup> day of october, 2006 at Whitehorse, YT

Phil Jackson, P. Geoph.

## APPENDIX B. SURVEY LOG



# AURORA GEOSCIENCES LTD. JOB BUD-06-01-YT BUD DAVIS MAG SURVEY

Period:	June 28 <sup>th</sup> - June 29 <sup>th</sup> , 2006	
Personnel:	Gabriel Fortin Cody Woodman	Crew Chief / Geologist Helper
Wed 28 June/06	<b>Mobe &amp; Survey</b> Mobe to camp from Whitehorse and survey part day. Wx: rain and cool Production 2.0 km	
Thu 29 June/06	Survey & Demob	e er of grid and de-mobe to next job via Dawso

Suveyed remainder of grid and de-mobe to next job via Dawson City. Wx: Cloudy and warm. Production: 2.735 km

AURORA GEOSCIENCES LTD.

### APPENDIX C. STATEMENT OF EXPENDITURES

Crew charges - 2 person for 2 days	1460.00
Job Prep and phone & computer rental	400.00
Magnetometer rental 3 units for 2 days	480.00
Truck rental 2 days @ \$100	200.00
Supplies (fuel, flagging/pickets, groceries, etc)	86.43
Report - lump sum cost	2200.00
General administration fees	12.94
GST on Exploration services and admin.	290.35

### Total project expenses

\$5129.50

I certify that these expenses are correct to the best of my knowledge.

Auld

Phil Jackson, P.Geoph. Geophysicist

# APPENDIX D. INSTRUMENT SPECIFICATIONS

#### APPENDIX G GSM-19T MAGNETOMETER/GRADIOMETER

#### THEORETICAL DESCRIPTION

#### Introduction

The GSM-19T is a portable standard proton magnetometer/gradiometer designed for handheld or base station use for geophysical, geotechnical, or archaeological exploration, long term magnetic field monitoring at Magnetic Observatories, volcanological and seismic research, etc. The GSM-19T is a secondary standard for measurement of the Earth's magnetic field, having 0.2nT resolution, and 1nT absolute accuracy over its full temperature range.

The GSM-19T is a microprocessor based instrument with storing capabilities. Large memory storage is a available (up to 2Mbytes). Synchronized operation between hand held and base station units is possible, and the corrections for diurnal variations of magnetic field are done automatically. The results of measurement are made available in serial form (RS-232-C interface) for collection by data acquisition systems, terminals or computers. Both on-line and post-operation transfer are possible.

The measurement of two magnetic fields for determination of gradient is done concurrently with strict control of measuring intervals. The result is a high quality gradient reading, independent of diurnal variations of maganetic field.

Optionally the addition of a VLF sensor for combined magnetometer / gradiometer-VLF measurement is available.

#### Magnetic Field Measurement

The magnetic field measuring process consist of the following steps:

- a) Polarization: A strong DC current is passed through the sensor creating polarization of a proton-rich fluid in the sensor.
- b) Pause: The pause allows the electrical transients to die off, leaving a slowly decaying proton precession signal above the noise level.
- c) Counting: The proton precession frequency is measured and converted into magnetic field units.
- d) Storage: The results are stored in memory together with date, time and coordinates of measurement. In base station mode, only the time and total field are stored.

GEM System Inc.

62

# INSTRUMENT SPECIFICATIONS

# MAGNETOMETER / GRADIOMETER

Resolution:	0.01nT (gamma), magnetic field and gradient.
Accuracy:	0.2nT over operating range.
Range:	20,000 to 120,000nT.
Gradient Tolerance:	Over 10, 000nT/m
Operating Interval:	3 seconds minimum, faster optional. Readings initiated from keyboard, external trigger, or carriage return via RS-232C.
Input / Output:	6 pin weatherproof connector, RS-232C, and (optional) analog output.
Power Requirements:	12V, 200mA peak (during polarization), 30mA standby. 300mA peak in gradiometer mode.
Power Source:	Internal 12V, 2.6Ah sealed lead-acid battery standard, others optional.
	An External 12V power source can also be used.
Battery Charger:	Input: 110 VAC, 60Hz. Optional 110 / 220 VAC, 50 / 60Hz.
	Output: dual level charging.
Operating Ranges:	Temperature: - 40°C to +60°C.
	Battery Voltage: 10.0V minimum to 15V maximum.
	Humidity: up to 90% relative, non condensing.
Storage Temperature:	-50°C to +65°C.
Display:	LCD: 240 X 64 pixels, OR 8 X 30 characters. Built in heater for operation below -20°C.
Dimensions:	Console: 223 x 69 x 240mm.
· · · · · · · · · · · · · · · · · · ·	Sensor Staff: 4 x 450mm sections.
	Sensor: 170 x 71mm dia.
	Weight: console 2.1kg. Staff 0.9kg, Sensors 1.1kg each.
VLF	
Frequency Range:	15 - 30.0 kHz plus 57.9 kHz (Alaskan station)
Parameters Measured:	Vertical in-phase and out-of-phase components as percentage of total field. 2 relative components of horizontal field. Absolute amplitude of total field.
Resolution:	0.1%.
Number of Stations:	Up to 3 at a time.
Storage:	frequency, in- and out-of-phase vertical, and both horizontal components for each selected station.
Terrain Slope Range:	0° - 90° (entered manually).
Sensor Dimensions:	140 x 150 x 90 mm. (5.5 x 6 x 3 inches).
Sensor Weight:	1.0 kg (Z.2 lb).
	9 V 1997



#### **RECLAMATION WORK AND PHOTOGRAPHS**

Reclamation work was carried out at all test site locations on the Peanut claims. This reclamation work was carried out while the exploration trenching program progressed, between August 9 and August 29, 2006.

The trenches were back-filled and the surface areas were re-contoured. The vegetative mat which includes willows, grasses, black muck, White River ash and "B" horizon soils were then last spread where-ever possible.

The volume of gravels moved in this reclamation work totaled some 903 cubic metres or 1181 cubic yards. This amount was calculated at 80% of the trenching volumes because of gravel swell factors.

The two pre-existing trenches on Peanut 1 claim were not refilled. These two very shallow trenches did not reach bedrock and are over 12 year old.

It was determined that the current level of regrowth of natural grasses and willows at these older sites did not warrant the levelling of these old trench piles and thus negating this new growth.

Photographs of the two pre-existing trenches and the reclamation work carried out at the new 2006 trench locations are included in this report section.

The UTM coordinates for the new trenches are logged in the technical report section.



Top photograph - **<u>NORTHERN TRENCH</u>** (looking east)

Both pre-existing trenches are located on Peanut 1 claim, with a distance between them of 30 metres.

Bottom photograph - SOUTHERN TRENCH (looking east)



## TRENCH 1 (back-filled)



# TRENCH 2 (back-filled)



TRENCH 3 (back-filled)



TRENCH 4 (back-filled)





# TRENCH 5 (back-filled) Looking East

TRENCH 6 (back-filled)



TRENCH 7 (back-filled)



TRENCH 8 (back-filled)



### TRENCH 9 (back-filled)



TRENCH 10 (back-filled)





TRENCH 11 (bench re-contoured for equipment access)

TRENCH 12 (back-filled)





TRENCH 14 (back-filled)



TRENCH 13 (back-filled)

TRENCH 15 (back-filled)



TRENCH 16 (back-filled)





TRENCH 18 (back-filled)



TRENCH 17 (back-filled)



# TRENCH 19 (back-filled)


