

ASSESSMENT REPORT ON THE 2007 Geophysical and Geochemical Program BOREALIS PROJECT

Work carried out on the following claim groups:

Grant Number	Claim Name
YC44623-YC44634	UO2 1-12
YC45002-YC45081	UO2 13-92

July 25 to August 16, 2007

Dawson Mining District
NTS 116B/06&11
64°30' N – 139°7' W
Yukon Territory

By

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March 28, 2008

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1.0 SUMMARY

The Borealis uranium property (the “Property”) consists of 172 contiguous claims in the Dawson Mining District of west central Yukon, of which 92 are the subject of this assessment report. Copper Ridge Explorations Inc. has an option to earn a 100% interest in the Property. The 2007 exploration program included a helicopter-borne magnetic gradiometer and gamma ray spectrometer survey, conducted by Aeroquest International between July 25th and August 3rd, and a field-based mapping, prospecting, soil and stream sediment sampling program, conducted between the 9th and 16th of August, 2007.

The airborne magnetic and gamma ray surveys identified a much larger area of anomalous uranium radioactivity than had been previously recognized. The soil and silt sampling programs were focused on evaluating a small portion of the larger radiometric anomaly defined by the airborne survey. Results of the 167 sample soils and stream sediment sampling program were successful in identifying several areas for detailed follow-up in 2008. Eighteen of the 36 silt samples collected exceeded the 90th percentile value of 10 ppm uranium for silt samples in the Selwyn Basin as determined by regional programs conducted by the Yukon government. Two samples, returning 29 and 93 ppm uranium, exceeded the 99th percentile value of 28 ppm.

The prospecting and mapping program targeted areas of known mineralization identified by previous explorers in the 1970’s in addition to new uranium hot-spots identified in the gamma ray spectrometer survey. The results confirmed the previously discovered uranium mineralization. Of the 21 rock samples collected in the known showing areas; 11 grab samples returned values greater than 0.05 % (500 ppm) uranium. In addition, limited prospecting in areas of high uranium background returned two grab samples which reported values of 236 and 154 ppm uranium. The area where these samples were taken was not previously known to host uranium mineralization and is a high priority follow-up target for 2008.

The 2007 exploration program successfully identified new extensive zones of potential uranium mineralization, delineated by airborne gamma ray spectrometry and confirmed by mapping, prospecting and geochemical surveying. While previous studies had identified two target areas of uranium mineralization, the 2007 survey defined much larger areas of mineralization than had been previously recognized.

The positive exploration results for the 2007 season confirm the potential for anomalous uranium mineralization to occur over a large area on the Borealis project. The results set the stage for an aggressive program of exploration in 2008 which will include more detailed soil and silt sampling, intensive prospecting, geologic mapping and trenching. Contingent on success, the results of this program will be used to guide a drilling program.

2.0 INTRODUCTION

2.1 Terms of Reference and Participating Personnel

This report summarizes the results of a 1,108 line-kilometre helicopter-borne magnetic gradiometer and gamma ray spectrometer survey, a 167 sample soil and silt geochemical program and a mapping and prospecting program conducted on the Borealis property during late summer of 2007. The programs were funded and operated by Copper Ridge Explorations Inc. (“Copper Ridge”). Expenditure for the airborne survey, helicopter support, and geological and logistical support being applied as assessment to the Borealis claims is \$36,800.00 (Certificate of Work Application October 19, 2007). The authors of this report visited the property during the 2007 field season and supervised the 2007 exploration program.

Aeroquest International of Mississauga, Ontario, conducted the airborne geophysical survey. Fireweed Helicopters and Trans North Helicopters, both of Dawson City, provided air transportation and support. Geological and logistical support for the drilling program was provided by Copper Ridge staff. Acme Laboratories of Vancouver, British Columbia provided the analytical services.

2.2 Source Documents

This report incorporates data from historical work described in previous assessment work reports (Wober, 1976; Walton, 1977) by Chevron Standard Ltd filed with government agencies and regional geological studies carried out by the Geological Survey of Canada (Green, 1972) and the Yukon Geological Survey (Symons et al., 2005).

3.0 PROPERTY DESCRIPTION AND LOCATION

The project area consists of a contiguous claim group of 172 quartz claims, of which 92 are the subject of this report. The claims are situated over Deadman’s Stock in the Ogilvie mountain range 50 kilometres north of Dawson City in the Yukon Territory. The claims are owned 100% by Sean Ryan, with Copper Ridge having the right to acquire a 100% interest in the property by satisfying the requirements of an option agreement with Ryan.

3.1 Location and Access

The southern boundary of the project area is located approximately 51 km north of Dawson City, Yukon Territory (Fig. 1) and immediately east of the Tombstone Territorial Park. The project area covers some 3,550 hectares in the Ogilvie Mountains and is accessible by helicopter from Dawson City. Elevations in the project area range from 1,100 m to over 2,000 m in places. The geophysical survey operations and crew were based in Dawson City with helicopter fuel caches located within the survey area. Base

camp for the geochemical sampling, mapping and prospecting programs was located at 88156 east, 7154109 north (UTM Zone 7, NAD83); access to the mapping and sampling areas was predominantly by foot although more distant areas were accessed by helicopter.

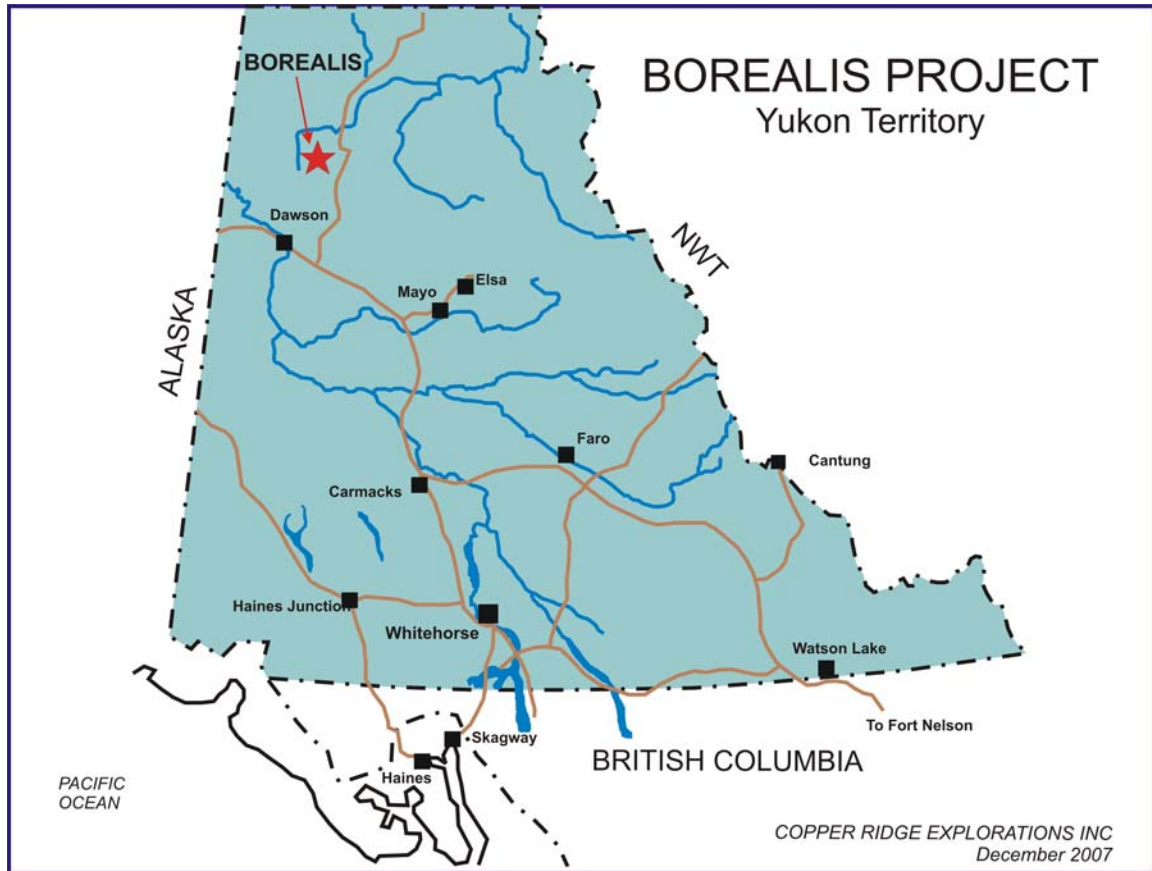


Figure 1. Location of the Borealis project

3.2 Physiography and Climate

The Borealis property resides within the southern Ogilvie Mountains, part of the Canadian Cordillera. The entire property area is above the tree line in alpine to sub-arctic tundra. The region has a sub-arctic climate, characterised by long cold winters and short warm summers. Average summer temperatures rarely rise above 15°C and average winter temperatures are around -34°C. Permafrost is common. Precipitation in the region is low, around 200mm/year. The project area was subject to glaciation during the Pleistocene, which scoured out broad blind valleys covered in glacial debris, and carved steep cirques with knife edge vertical ridges. Talus slopes are abundant below steep walled rock faces, and despite the abundance of outcrop, much of it is inaccessible and therefore not mappable.

3.3 Land Tenure

The Borealis property, as encompassed in this assessment report, covers over 3,550 hectares and comprises 92 contiguous unsurveyed two-post Yukon quartz claims, (Table 1, Figure 2). The claims were staked according to the Yukon Quartz Mining Act and are located in the Dawson Mining District. Expiry dates shown are subject to acceptance of assessment covered by this report.

The claims are located on claim sheets 116B-06 and 116B-11, available for viewing at the Dawson Mining Recorders Office or on the Yukon Mining Recorder's web site at <http://www.yukonminingrecorder.ca/>. The claims are owned 100% by Sean Ryan, with Copper Ridge having the right to acquire a 100% interest in the property by satisfying the requirements of an option agreement with Ryan.

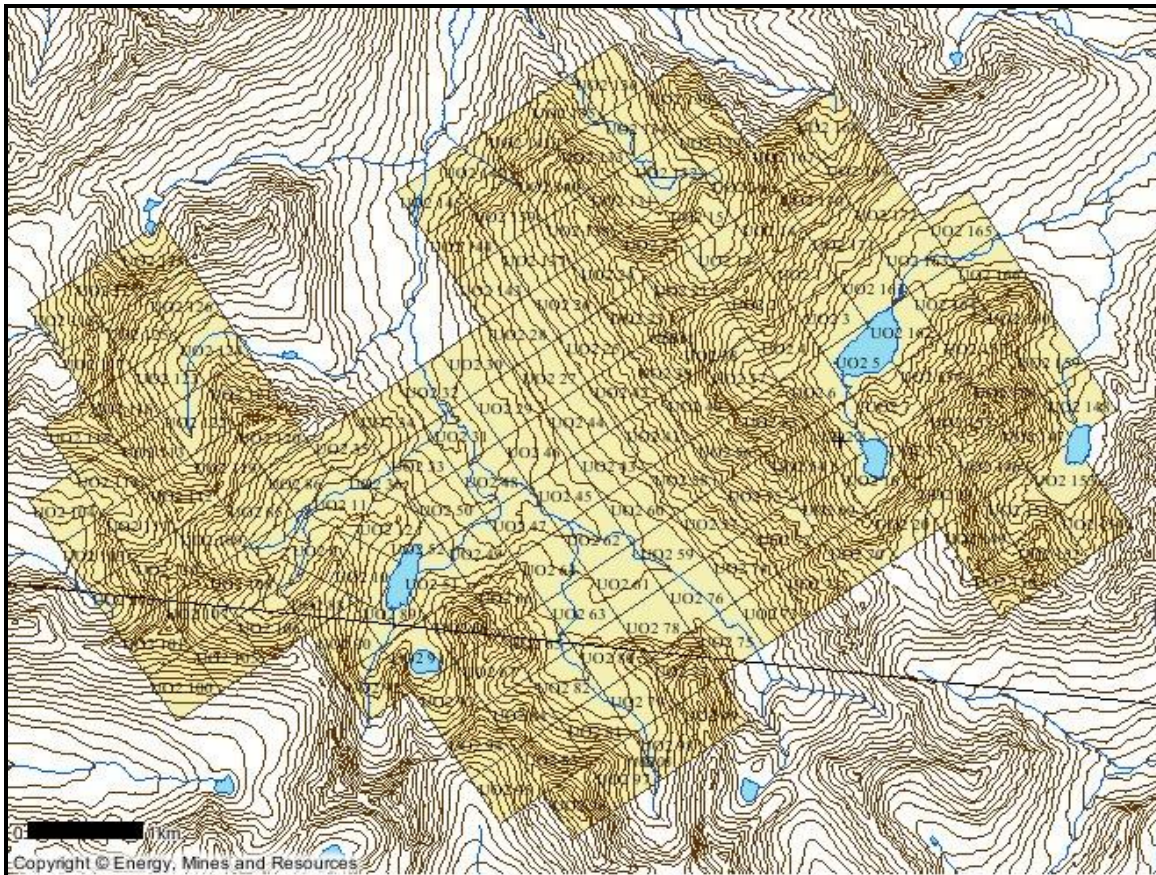


Figure 2. Borealis claim map

Table 1. Borealis claim data

Grant Number	Claim Name	Mining District	Map Sheet (1:50,000)	Expiry Date
YC44623-YC44634	UO2 1-12	Dawson	116B11	7/10/2013
YC45002-YC45081	UO2 13-92	Dawson	116B11	30/10/2012

4.0 HISTORY

The Borealis (originally Rackla) claims were initially staked in 1975 and 1976 by Chevron Standard Limited (“Chevron”) on behalf of Standard Oil Company of British Columbia Limited following a program of reconnaissance airborne radiometry, stream sediment sampling and mapping over the Deadman Stock, aimed at discovering uranium mineralization. Follow-up prospecting discovered several areas of float and outcrop in the stock with significant uranium mineralization. In one area, 24 samples taken from a 10 by 60 m talus train returned values ranging from 38 to 4200 ppm U and averaging 2100 ppm U (0.21%). A sample of angular float from another area returned a value of 9.7 % U₃O₈.

In 1977, Chevron completed a program of radiometric surveying, soil sampling, blast pit trenching and diamond drilling. The radiometric surveying and soil sampling successfully defined several areas of anomalous uranium mineralization that were followed-up with 24 blast pit and hand-dug trenches, which were chip sampled. The trenching returned intervals of local mineralization grading up to 0.55 % U over 1 m. The drilling program comprised 6 small diameter (IAX) holes for a total of 225 metres but was completed before the results of the soil sampling and trenching programs were received. The best result from the drilling was 0.14 % U over 0.6 m. The claims remained in good standing until 1982, however no further work was conducted on the property by Chevron or any other party and the claims were allowed to lapse. The area remained unclaimed until 2006, when Sean Ryan staked 92 contiguous claims and optioned them to Copper Ridge Explorations Inc. on October 31st 2006. This report presents the first exploration conducted in this area for 30 years.

5.0 GEOLOGICAL SETTING

The Borealis property is located in the southern part of the Ogilvie Mountains, part of the Canadian Cordillera in the Yukon. The property covers approximately 1800 hectares of the Deadman pluton, a mid Cretaceous (91±1 Ma) multiphase granitic unit of the Tombstone Suite intrusive complex. The Tombstone plutonic suite, which is defined by its alkalic composition (Hart et al., 2005) and of which the Deadman pluton is the most northerly member, comprises a northwest-trending string of mid-Cretaceous stocks, dykes and sills that parallel the Tintina Fault (Anderson, 1987; Hart et al., 2004). The plutons intrude weakly metamorphosed and deformed Selwyn Basin rocks, which in the Borealis project area include Neoproterozoic coarse clastic Hyland Group, lower Paleozoic Road River Group black shales and chert, Mississippian quartzite, Permian shale and chert, Triassic quartzite, calcareous siltstone, limestone and gabbro and Jurassic

black shale (Symons et al., 2005). Regional metamorphism to sub-greenschist facies occurred prior to intrusion of the Tombstone Suite at around 105 Ma (Mair et al., 2006).

5.1 General Property Setting

The Deadman stock is a concentrically zoned multiphase I-type (Hart et al., 2004) alkalic pluton composed predominantly of alkali-feldspar syenite and biotite hornblende monzonite with minor quartz monzonite and pseudoleucite tinguaitite (Anderson, 1987). Walton (1978) described a number of different intrusive phases within the stock; black and white syenite, grey syenite, flow-banded syenite and nepheline monzonite. The Tombstone suite intrusions host vein, skarn and disseminated gold-copper-bismuth, antimony-arsenic-gold, tin-silver and uranium-thorium-fluorine mineralization. Uranium mineralization is associated with tinguaitite (Symons et al., 2005) or late stage flow banded syenite dykes within the stock (Walton, 1978) and occurs as structurally controlled lenses of pitchblende and as disseminations of uraninite within the syenite.

6.0 2007 EXPLORATION PROGRAM

6.1 Airborne Survey

A 1,108 kilometre airborne magnetic gradiometer and gamma ray spectrometer survey commenced over the Borealis property on July 25th and concluded on August 3rd 2007 (Table 2). The survey was conducted by Aeroquest International using a Heli-TAG tri-axial magnetic gradiometer system towed on an Aerospatiale AS350B “A-Star” helicopter flown at a nominal terrain clearance of 200 feet (65 metres) and a nominal survey speed of 100 km/hr over flat terrain. Data were collected at a scan rate of 10 samples per second, which translated to a gradiometer reading about every 1.5 to 3.0 seconds along the flight path. Sample position was determined using a GPS receiver installed on the gradiometer bird and the AGNAV2 system for navigational control. The x-y-z position of the aircraft was determined at 0.2 second intervals; the system has a published accuracy of less than 3 metres. For the complete report see Appendix I.

Table 2. Borealis survey block boundaries

Easting	Northing
583800	7150500
583800	7159800
594400	7159800
594400	7150500

The gamma ray spectrometer successfully defined a large area of anomalously high uranium both within and adjacent to the Deadman pluton (Figure 3). The survey was

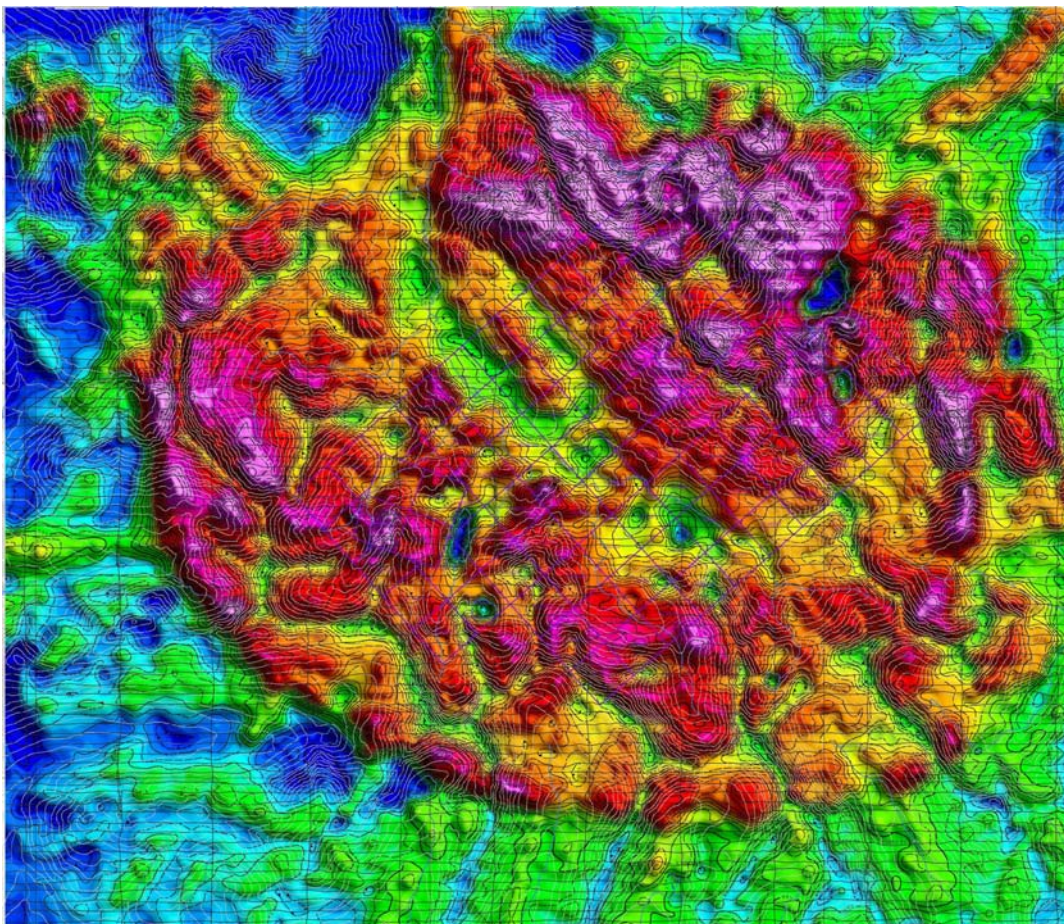


Figure 3 Total uranium count at Borealis highlighting the Deadman stock successful in defining a much larger area of anomalously high uranium than was previously recognized.

6.2 Geochemical Surveying and Prospecting

A 167 sample soil and stream sediment sampling program (Appendix 2) and a regional mapping and prospecting program were undertaken at the Borealis property between August 9th and August 16th 2007 by Copper Ridge personnel. The soil and silt sampling program was focused on evaluating a small portion of the larger radiometric anomaly defined by the airborne survey. Access to a number of areas was limited by extremely steep terrain so soils were sampled along contours rather than grids. Stream sediments were collected at intervals along creeks and watercourses accessible by helicopter. The soil and sediment sampling program was successful in identifying several areas for detailed follow-up in 2008 (Figure 4). Eighteen of the 36 silt samples collected exceeded the 90th percentile value of 10 ppm uranium for silt samples in the Selwyn Basin as determined by regional programs conducted by the Yukon government. Two samples, returning 29 and 93 ppm uranium, exceeded the 99th percentile value of 28 ppm.

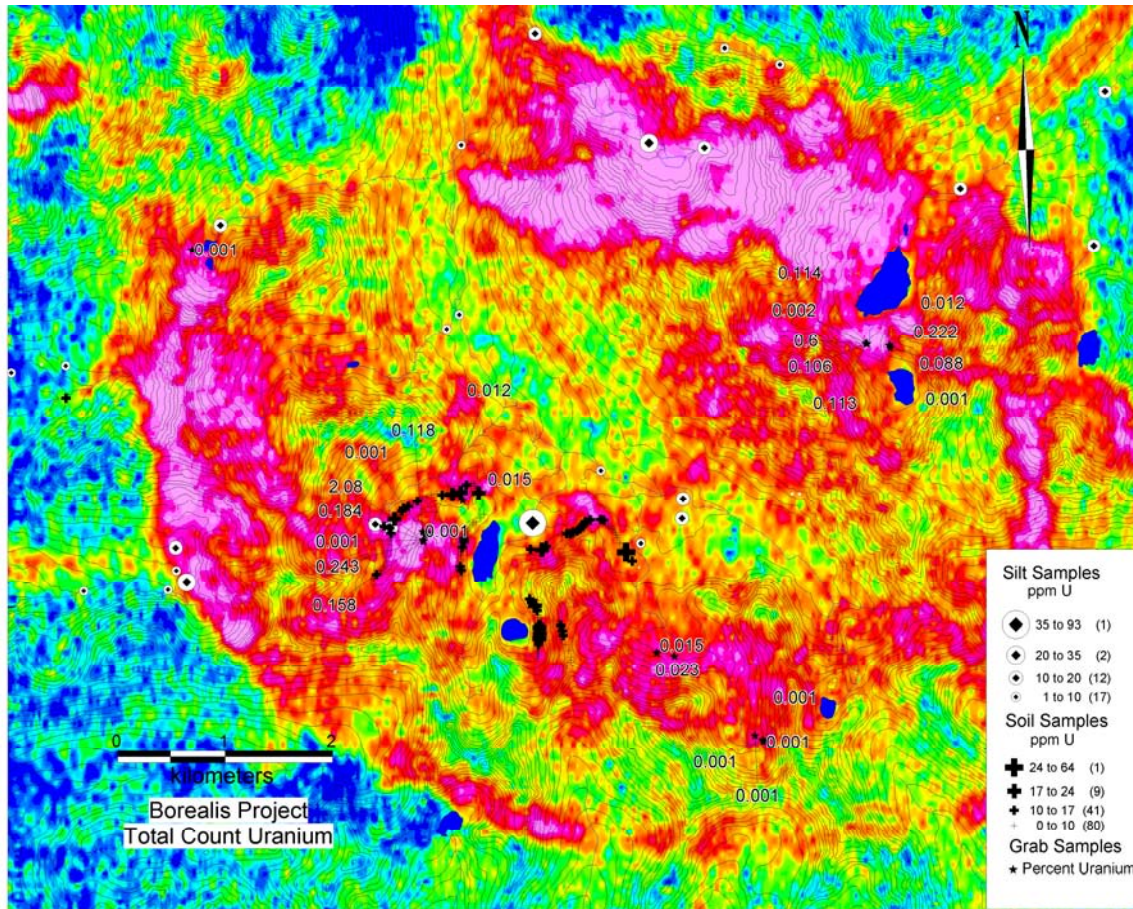


Figure 4. Results of the silt, soil and grab geochemical sampling on total count uranium at Borealis

The prospecting and mapping program targeted areas of known mineralization identified by Chevron in the 1970's in addition to new uranium hot-spots identified in the gamma ray spectrometer survey. The results confirmed the uranium mineralization previously discovered by Chevron. Of 21 samples collected in the known showing areas, 11 returned values greater than 0.05 % (500 ppm) uranium (Table 3).

In addition, limited prospecting in areas of high uranium background returned two grab samples which reported values of 236 and 154 ppm uranium. The area where these samples were taken was not previously known to host uranium mineralization and is a high priority follow-up target for 2008. Appendix 3 contains the results of all grab sampling conducted in the 2007 program.

Table 3. Best results of grab sampling from the Borealis project

Sample	Type	U (%)	U (ppm)
36451	Grab	0.113	> 1000
36452	Grab	0.106	> 1000
36454	Grab		597.6
36455	Grab	0.222	> 1000
36456	Grab		115.8
36457	Grab		162.3
36458	Grab	0.184	> 1000
36459	Grab	2.080	> 1000
36460	Grab	0.118	> 1000
576553	Grab	0.158	1752.0
576554	Grab	0.243	> 2000
576561	Grab		235.8
576562	Grab		154.3
576563	Grab		875.9
576565	Grab	0.114	1248.0

7.0 CONCLUSIONS AND RECOMMENDATIONS

The 2007 exploration program successfully identified new zones of potential uranium mineralization, delineated by airborne gamma ray spectrometry and confirmed by mapping, prospecting and geochemical surveying. Previous studies identified isolated pockets of uranium mineralization. However, the 2007 survey defined much larger areas of potential mineralization than had been previously recognized. Since the completion of this program a further 80 quartz claims contiguous to the initial claim block have been staked.

The positive exploration results for the 2007 season confirm that anomalous uranium mineralization occurs over a large area on the Borealis Project. The results justify an aggressive program of exploration in 2008 which should include more detailed soil and silt sampling, intensive prospecting, geologic mapping and trenching. Contingent on success, the results of this program should be used to guide a drilling program. The Borealis project area also has potential to host skarn mineralization in the hornfelsed zone around the intrusion, and potentially other types of intrusion-related mineralization observed in other intrusive rocks of the Tombstone suite.

8.0 STATEMENT OF COSTS

Exploration Work type	Comment	Days			Totals
Personnel / Position		Days	Rate	Subtotal*	
Joanna Hodge, Senior Project Geologist		9	\$500.00	\$4,500.00	
Laurel Arness, Geological Assistant		9	\$275.00	\$2,475.00	
Ryan Coe, Logistics Coordinator		9	\$350.00	\$3,150.00	
Jean Paul Salley, Field Technician		9	\$275.00	\$2,475.00	
				\$12,600.00	\$12,600.00
Office Studies		Personnel			
Literature search	Joanna Hodge	3.0	\$500.00	\$1,500.00	
Report preparation	Joanna Hodge	10.0	\$500.00	\$5,000.00	
				\$6,500.00	\$6,500.00
Airborne Exploration Surveys		Line Kilometres			
Magnetic Gradiometry	1,108 line kilometres		\$0.00	\$147,085.60	
Helicopter Fuel			\$0.00	\$11,725.00	
				\$158,810.60	\$158,810.60
Geochemical Surveying		No.	Rate	Subtotal	
Soil		166	\$28.74	\$4,771.16	
Rock		19	\$39.62	\$752.79	
				\$5,523.94	\$5,523.94
Transportation		No.	Rate	Subtotal	
Airfare		1	\$600.00	\$600.00	
truck rental		9	\$80.00	\$720.00	
Helicopter				\$23,199.69	
				\$24,519.69	\$24,519.69
Accommodation & Food		Rates per day			
Meals	Actual costs			\$910.28	
				\$910.28	\$910.28
Miscellaneous					
Communications	Total North			\$275.00	
Telephone	Globalstar	0.25	\$176.23	\$44.06	
				\$319.06	\$319.06
TOTAL Expenditures					\$209,183.57

9.0 STATEMENT OF QUALIFICATIONS

I, Joanna Lynette Hodge, do hereby declare that;

1. I am currently employed as Senior Project Geologist for Copper Ridge Explorations Inc. of 500 - 625 Howe Street Vancouver, British Columbia V6C 2T6.
2. I graduated with a Bachelor of Science degree from the University of Auckland in 1995 and a Master of Science degree with First Class Honours from the University of Auckland in 1997.
3. I have worked as a geologist for a total of 6 ½ years since graduation from University, and during completion of my PhD thesis for an additional 4 years on a part-time basis.
4. I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.
5. I am not independent of the issuer applying all tests in Section 1.5 of NI 43-101 in that I am an employee of Copper Ridge Explorations Inc and hold options in the Company.

Dated this 26th day of March, 2008

Joanna Lynette Hodge, BSc, MSc (Hons)

I, John Gregory Dawson, do hereby declare that;

6. I am currently employed as Vice President Exploration for Copper Ridge Explorations Inc. of 500 - 625 Howe Street Vancouver, British Columbia V6C 2T6.
7. I graduated with a Bachelor Science degree from the University of British Columbia in 1987 and a Masters of Science degree from Queens' University in 1991.
8. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, Registration Number 19882.
9. I have worked as a geologist for a total of 20 years since graduation from University, and prior to graduation, as a student and or geotechnician for a period of 11 additional years.
10. I have read the definition of "Qualified Person" set out in National Instrument 43-101("NI 43-101") and certify that by reason of my education, affiliation with a professional association and past relevant work experience, I fulfill the requirements to be a "Qualified Person" for the purposes of NI 43-101.
11. I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.
12. I am not independent of the issuer applying all tests in Section 1.5 of NI 43-101 in that I am an employee and director of Copper Ridge Explorations Inc and hold shares and options in the Company.

Dated this 26th day of March, 2008

John Gregory Dawson, P. Geo.

10.0 REFERENCES

- Anderson, R.G., 1987, Plutonic rocks in the Dawson map area, Yukon Territory, in Current Research, Part A, Geological Survey of Canada, Paper 87-1A, p. 689-697
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- Wober, H.H., 1976, Report on geological, geochemical and geophysical surveys on mineral claim groups IV: AB 61-76, V: WAD 1-16; VI AB 25-40 and VII: AB 1-16, for Standard Oil Company of British Columbia Limited, Yukon Geological Survey Report ?

**APPENDIX I:
REPORT ON A HELICOPTER-BORNE MAGNETIC
GRADIOMETER AND GAMMA RAY SPECTROMETER
SURVEY – AEROQUEST INTERNATIONAL**

Report on a Helicopter-Borne Magnetic Gradiometer and Gamma Ray Spectrometer Survey



Aeroquest Job # 08030

Borealis Property

Dawson Area, Yukon
NTS 116B06,11

for



by



Report date: October 2007

Report on a Helicopter-Borne Magnetic Gradiometer and Gamma Ray Spectrometer Survey

Aeroquest Job # 08030

Borealis Property

Dawson Area, Yukon
NTS 116B06,11

for

Copper Ridge Explorations Inc.

500-635 Howe Street,
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Report date: October 2007

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- TMI – Coloured Total Magnetic Intensity (TMI) with line contours
- TDR – Tilt Derivative Magnetics
- 3DAS – Measured 3D Analytic signal (Total Magnetic Gradient)
- Radiometrics – Natural Air Absorption Dose Rate
- Radiometrics – Equivalent Thorium / Percent Potassium Ratio

1. INTRODUCTION

This report describes a helicopter-borne geophysical survey carried out on behalf of Copper Ridge Explorations Inc. on the Borealis Properties, Dawson area, Yukon (Figure 1). The principal geophysical sensor is Aeroquest's Heli-TAG tri-axial magnetic gradiometer (towed-bird) system which employs four (4) optically pumped Cesium magnetometer sensors. The secondary sensor was Aeroquest's Airborne Gamma Ray Spectrometer (AGRS) system, which is installed in the helicopter cabin. The AGRS system utilizes four (4) downward looking NaI crystals used as the main gamma-ray sensors and one upward looking crystal for monitoring non-geologic sources. Ancillary equipment includes a GPS navigation system, radar altimeter, digital video acquisition system, and a base station magnetometer.

The total survey coverage presented on the accompanying maps and digital archive is 1129.8 line-km, of which 1108 line-km fell within the pre-defined project area co-ordinates (Appendix 1). Survey flying described in this report took place between July 25th and August 3rd, 2007. This report describes the survey logistics, the data processing, and provides an overview of the results.

2. SURVEY AREA

The project area is located in the Yukon Province 50 km north of Dawson and 90 km east of the US Alaskan border. It is made up of a single survey block of almost 100 km² in area in the Ogilvie mountain range. Elevations ranged from 3500 to over 6000 ft. Access to the project was by helicopter only.

There were 92 quartz type mining claims in the project area (Figure 2). Detailed information can be seen in Appendix 2.

The base of survey operations and crew accommodation was at Dawson. Helicopter fuel caches were located at 64 02.434N, 139 22.159W and 64 31.016N, 139 09.094W.

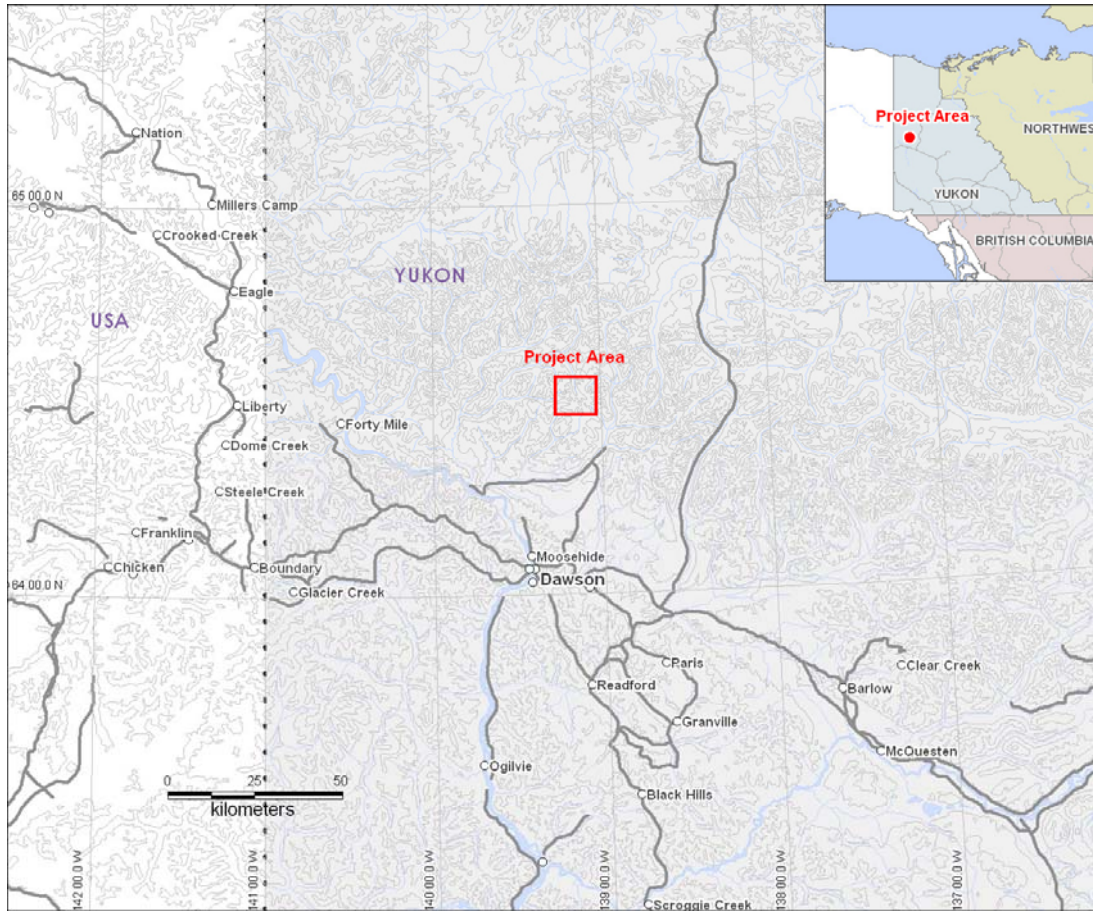


Figure 1. Project Area

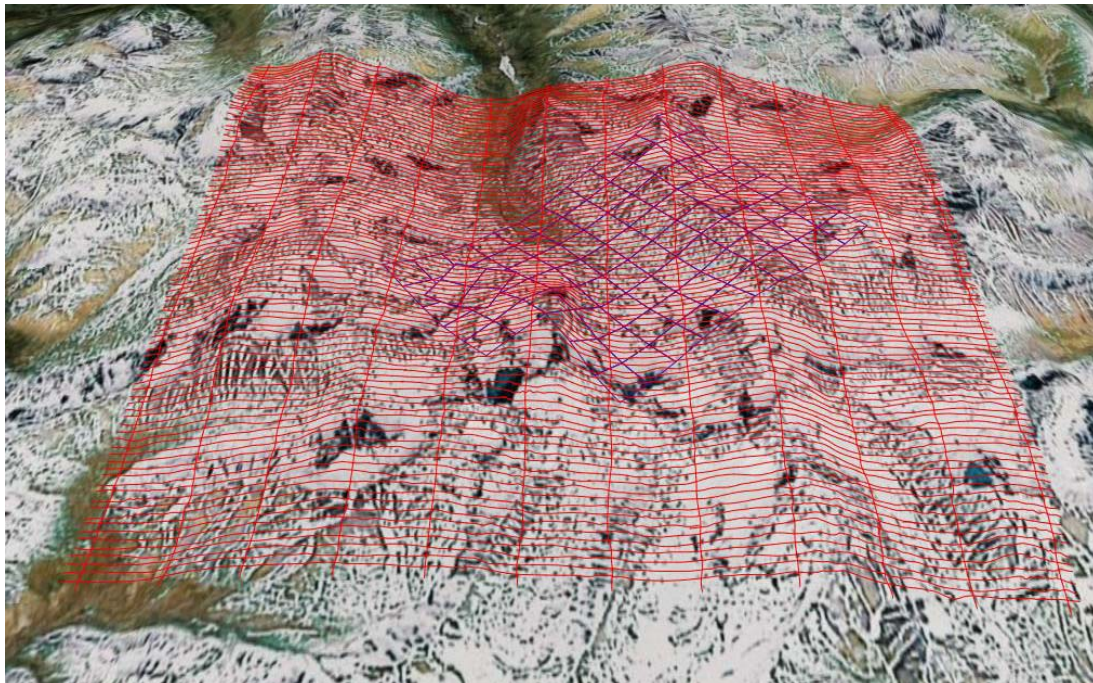


Figure 2. Project flight path and mining claims over Google Earth imagery

3. SURVEY SPECIFICATIONS AND PROCEDURES

The survey specifications are summarised in the following table:

Block name	Line Spacing (metres)	Line Direction	Survey Coverage (line-km)	Dates flown
Borealis	100	E-W (90°)	1129.8	July 25-Aug 3, 2007

Table 1. Survey specifications summary

The survey coverage was calculated by adding up the survey and control (tie) line lengths as presented in the final Geosoft database.

The nominal gradiometer bird terrain clearance was 50 m but was periodically higher or lower over due to the rugged terrain and the capability of the aircraft. Nominal survey speed over relatively flat terrain is 100 km/hr and is generally lower in rougher terrain. Scan rates for gradiometer data acquisition is 0.10 seconds. The 10 samples per second translate to a gradiometer reading about every 1.5 to 3.0 metres along the flight path.

3.1. NAVIGATION

Navigation is carried out using a GPS receiver installed on the gradiometer bird, an AGNAV2 system for navigation control. The Pico Envirotec acquisition system is used for GPS data recording. The x-y-z position of the aircraft, as reported by the GPS, is recorded at 0.2 second intervals. The system has a published accuracy of under 3 metres. A recent static ground test of the Mid-Tech WAAS GPS yielded a standard deviation in x and y of under 0.6 metres and for z under 1.5 metres over a two-hour period. The GPS antenna was mounted in a small bird 8 m below the aircraft.

4. AIRCRAFT AND EQUIPMENT

4.1. AIRCRAFT

A Eurocopter (Aerospatiale) AS350B-2 "A-Star" helicopter - registration C-GPTY was used as survey platform (Figure 3). The helicopter was owned and operated by Hi-Wood helicopters, Okotose, Alberta. Installation of the geophysical and ancillary equipment was carried out by Aeroquest Limited personnel in conjunction with a licensed aircraft engineer. The survey aircraft was flown at a nominal terrain clearance of 220 ft (65 metres).



Figure 3. Helicopter C-GPTY used in the survey.

4.2. MAGNETIC GRADIOMETER SYSTEM

4.2.1. Overview

The Aeroquest HELI-TAG (Helicopter-borne Tri-Axial Gradiometer) system (Figure 4) employs four (4) Geometrics G-823A optically pumped Cesium-vapor magnetometers. The four sensors allows for measurements of the total field, vertical gradient, longitudinal gradient and transverse gradient. Three sensors are configured in a tri-axial configuration at the rear of the bird and the fourth sensor is located in the nose of the bird to provide a longitudinal (horizontal) gradient measurement. The magnetic data is collected at a rate of 10Hz, and recorded by a dedicated Windows-based computer.

4.2.2. Magnetometer Sensors

The specifications of the cesium vapour magnetometer sensors are as follows*:

Sensitivity:	<0.004 nT/rt-Hz
Absolute Accuracy:	< +/- 1.5 nT throughout operating range
Sampling Rate:	10 Hz
Dynamic Range:	20,000 - 100,000 nT
Heading Error:	less than 0.15 nT combined for sensor spins on all axes
Operating Temperature:	-35°C to +50°C

**Specifications are provided by the sensor manufacturer*

4.2.3. Bird Design

Sensor Standoffs:

- Horizontal: 3.00 metres
- Vertical: 3.00 metres
- Longitudinal: 3.00 metres

Tow Cable: 45 metres long, with Kevlar strain member and weak-link

Terrain Clearance: 30 metres (nominal)

Refer to Figure 4.

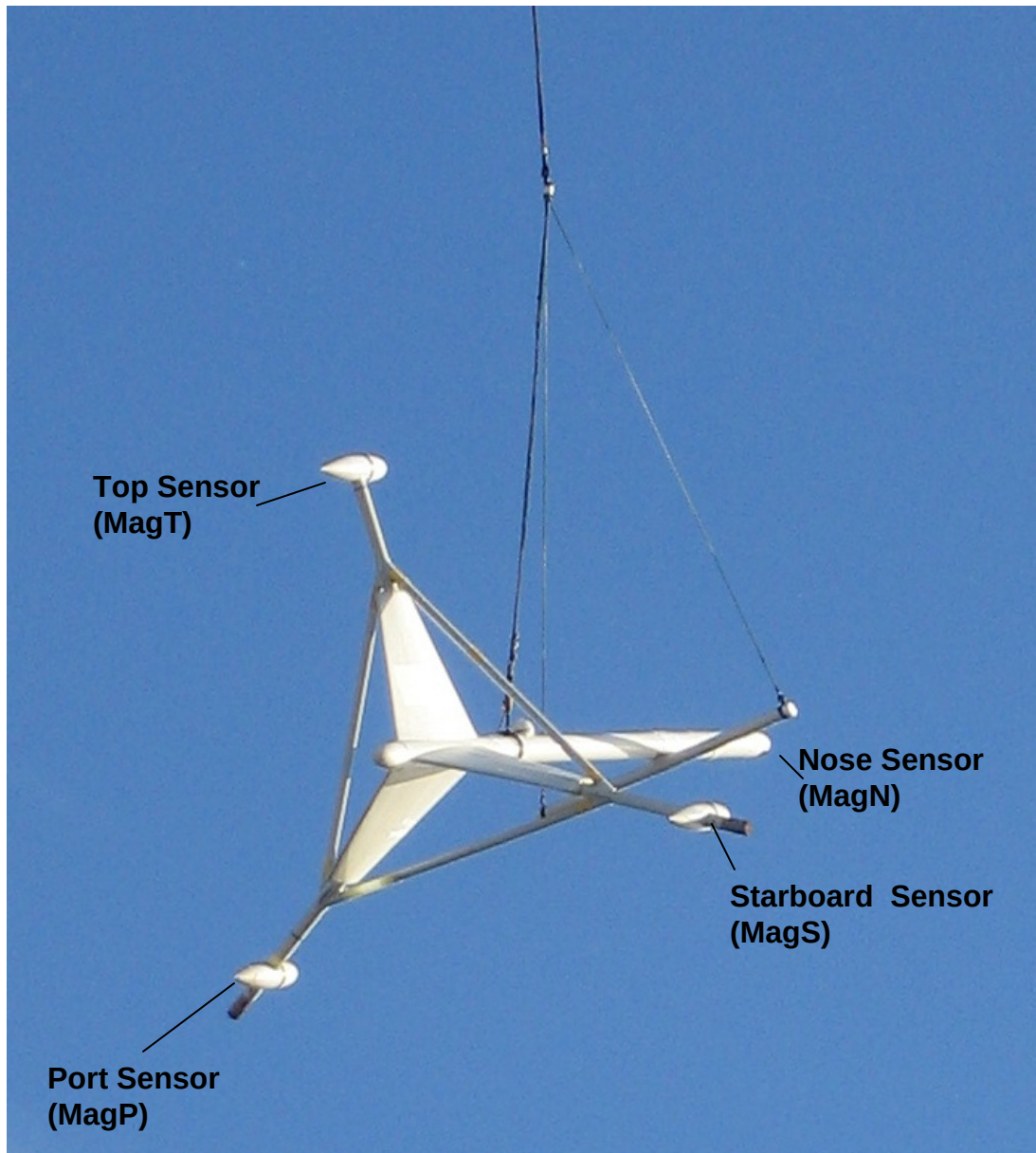


Figure 4. The Aeroquest HELI-TAG bird

4.3. AIRBORNE GAMMA RAY SPECTROMETER (AGRS) SYSTEM

The Aeroquest AGRS system consists of a GRS10-5 sensor pack (Figure 5), which is installed on the floor of the helicopter cabin and a acquisition system designed and manufactured by Pico Envirotec.

The system has 4 downward looking NaI crystals used as the main sensors and 1 upward looking crystal for monitoring non-geologic sources. The system features automatic peak detection and real-time calibration to ensure spectrum stability and a high quality final product. The full spectrum is recorded (256 or 512 channels) to allow for subsequent noise reduction processing such as NASVD. The data are processed to produce the standard IAGA ROI channels – Total Count, Potassium, Uranium and Thorium. The potassium, and equivalent uranium and thorium concentrations are also derived and ratios of these concentrations are computed to enhance the interpretation of the survey results.

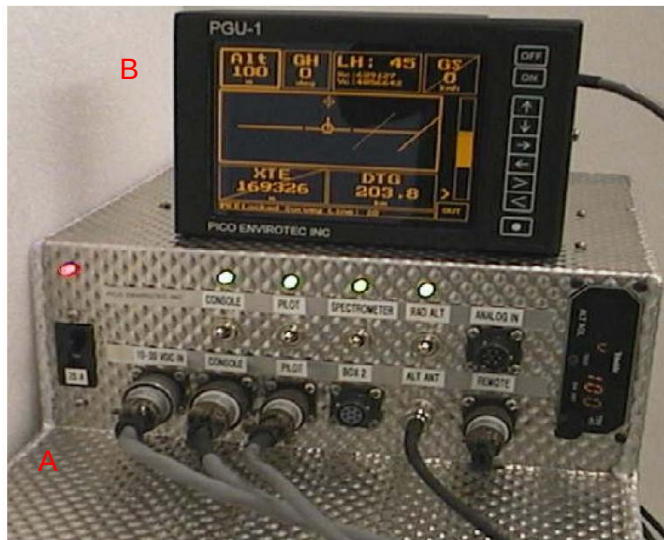


Figure 5. Aeroquest AGRS system. A. AGRS Sensor (Crystal Pack), B. Data acquisition computer.

4.4. MAGNETOMETER BASE STATION

An integrated GPS and magnetometer base station is set up to monitor and record the diurnal variations of the Earth's magnetic field. The sensor, GPS and magnetic, receiver/signal processor is a dedicated unit for purposes of instrument control and/or data display and recording. The unit uses a common recording reference using the GPS clock.

The base station was a Geometrics G858 optically pumped caesium vapour magnetometer coupled with a Garmin GPS18 GPS sensor. Data logging and magnetometer control was provided by the unit's internal software. The logging was configured to measure at 1.0 second intervals. Digital recording resolution was 0.01 nT. The sensor was placed on a tripod away from potential noise sources near the camp. A continuously updated profile plot of the magnetometer value is available for viewing on the unit's display.

4.5. RADAR ALTIMETER

A Terra TRA 3500/TRI-30 radar altimeter is used to record terrain clearance. The antenna was mounted on the outside of the helicopter beneath the cockpit. Therefore, the recorded data reflect the height of the helicopter above the ground. The Terra altimeter has an altitude accuracy of +/- 1.5 metres.

4.6. VIDEO TRACKING AND RECORDING SYSTEM

A high resolution digital colour video camera is used to record the helicopter ground flight path along the survey lines. The video is recorded digitally and annotated with GPS position and time and can be used to verify ground positioning information and cultural causes of anomalous geophysical responses.



Figure 6. Digital video camera typical mounting location.

4.7. GPS NAVIGATION SYSTEM

The navigation system consists of an Ag-Nav Incorporated AG-NAV2 GPS navigation system comprising a PC-based acquisition system, navigation software, a deviation indicator in front of the aircraft pilot to direct the flight, a full screen display with controls in front of the operator, a Mid-Tech RX400p WAAS-enabled GPS receiver mounted on the instrument rack and an antenna mounted on the magnetometer bird. WAAS (Wide Area Augmentation System) consists of approximately 25 ground reference stations positioned across the United States that monitor GPS satellite data. Two master stations located on the east and west coasts collect data from the reference stations and create a GPS correction message. This correction accounts for GPS satellite orbit and clock drift plus signal delays caused by the atmosphere and ionosphere. The corrected differential message is then broadcast through one of two geostationary satellites, or satellites with a fixed position over the equator. The corrected position has a published accuracy of less than 3 metres.

Survey co-ordinates are set up prior to the survey and the information is fed into the airborne navigation system. The co-ordinate system employed in the survey design was WGS84 [World] using the UTM zone 7N projection. The real-time differentially corrected GPS positional data was recorded by the RMS DGR-33 in geodetic coordinates (latitude and longitude using WGS84) at 0.2 s intervals.

5. PERSONNEL

The following Aeroquest personnel were involved in the project:

- Manager of Operations: Bert Simon
- Manager of Data Processing: Jonathan Rudd
- Field Data Processor: Greg Roman, Theo Corciobe
- Field Operator: Douglas Spence
- Map Preparation and Reporting: Gord Smith, Doug Garrie, Marion Bishop

The survey pilot, Colby Tyrrell, was employed directly by the helicopter operator – Hi-Wood Helicopters, Okotose, AB.

6. DELIVERABLES

6.1. HARDCOPY DELIVERABLES

The report includes a set of five 1:20,000 scale maps. The survey area is covered by a single map plate. Five geophysical map products are presented as outlined below.

- TMI – Coloured Total Magnetic Intensity (TMI) with line contours
- TDR – Tilt Derivative Magnetics
- 3DAS – Measured 3D Analytic signal
- Radiometrics – Natural Air Absorption Dose Rate
- Radiometrics – Equivalent Thorium / Percent Potassium Ratio

The coordinate/projection system for the maps is NAD83 – UTM Zone 7N. For reference, the latitude and longitude in WGS84 are also noted on the maps.

All the maps show flight path trace and contain topographic base data. Survey specifications are displayed in the margin of the maps.

6.2. DIGITAL DELIVERABLES

6.2.1. Final Database of Survey Data (.GDB, .XYZ)

The geophysical profile data is archived digitally in Geosoft GDB binary database format and ASCII Geosoft .XYZ format. A description of the contents of the individual channels in the database can be found in Appendix 2. A copy of this digital data is archived at the Aeroquest head office in Mississauga, ON, Canada.

6.2.2. Geosoft Grid files (.GRD)

Levelled Grid products used to generate the geophysical map images. Cell size for all grid files is 20 metres.

- eTHK_RATIO - radiometrics - eTH/%K concentration
- eUK_RATIO - radiometrics - eU/%K concentration
- eUeTH_RATIO - radiometrics - eU/eTH concentration
- TCCORR - radiometrics - doserate (nGy/hr)
- TCEXP - radiometrics - exposure rate (uR/hr)
- UCORR - radiometrics - uranium (eU ppm)

- KCORR - radiometrics - potassium (%K)
- THCORR - radiometrics - thorium (eTH ppm)
- ANSIG - 3D measured analytic signal
- TMI - Total magnetic Intensity
- TDR - Tilt Derivative Magnetism
- MLG - Measured Longitudinal Gradient
- MTG - Measured Transverse Gradient
- MVG - Measured Vertical Gradient

6.2.3. Digital Versions of Final Maps (.MAP, .PDF)

Map files in Geosoft .map and Adobe PDF format.

6.2.4. Free Viewing Software

- Geosoft Oasis Montaj Viewing Software
- Adobe Acrobat Reader
- Google Earth Viewing software

6.2.5. Google Earth format file (.KML)

Survey navigation lines in Google Earth .kml format. Double click to view survey lines over Google Earth satellite imagery. (Google Earth must be installed).

6.2.6. Digital Copy of this Document (.PDF)

7. DATA PROCESSING AND PRESENTATION

All in-field and post-field data processing was carried out using Aeroquest proprietary data processing software and Geosoft Oasis Montaj software. Maps were generated using 36-inch wide Hewlett Packard ink-jet plotters.

7.1. BASE MAP

The geophysical maps accompanying this report are based on positioning in the NAD83 datum. The survey geodetic GPS positions have been projected using the Universal Transverse Mercator projection in Zone 8 North. A summary of the map datum and projection specifications is given following:

- Ellipse: GRS 1980
- Ellipse major axis: 6378137m eccentricity: 0.081819191
- Datum: North American 1983 - Canada Mean
- Datum Shifts (x,y,z) : 0, 0, 0 metres
- Map Projection: Universal Transverse Mercator Zone 7 North (141°W – central meridian)
- Central Scale Factor: 0.9996
- False Easting, Northing: 500,000m, 0m

For reference, the latitude and longitude in WGS84 are also noted on the maps.

The background vector topography was obtained from Natural Resources Canada 1:50000 scale NTDB data and the background shading was derived from NASA Shuttle Radar Topography Mission (SRTM) 90 metres resolution DEM data.

7.2. FLIGHT PATH & TERRAIN CLEARANCE

The position of the survey helicopter was directed by use of the Global Positioning System (GPS). Positions were updated five times per second (5 Hz) and expressed as WGS84 latitude and longitude calculated from the raw pseudo range derived from the C/A code signal. The instantaneous GPS flight path, after conversion to UTM co-ordinates, is drawn using linear interpolation between the x/y positions. The terrain clearance was maintained with reference to the radar altimeter. The raw Digital Terrain Model (DTM) was derived by taking the GPS survey elevation and subtracting the radar altimeter terrain clearance values. The calculated topography elevation values are relative and are not tied in to surveyed geodetic heights.

Each flight included at least two high elevation ‘background’ checks. These high elevation checks are to ensure that the gain of the system remained constant and within specifications.

7.3. MAGNETIC GRADIENT DATA

7.3.1. Initial Processing – Total Field

Prior to any levelling the magnetic data was subjected to a lag correction of -0.05 seconds and a spike removal filter. The total field was calculated using an average reading of all the magnetometers (Mag_TF channel in database). This process provides a more accurate reading of the total field in comparison to a single sensor measurement. Diurnal variation was removed using the base magnetometer data. After manual levelling, the data was micro-levelled using a directional spatial filtering technique. This process removes other very small systematic errors in the data. The data was interpolated onto a grid using a bi-directional gridding algorithm with a cell size of 20 m. No corrections for the regional reference field (IGRF) were applied.

In order to map shallow basement response a ‘tilt’ derivative product was calculated from the total magnetic intensity (TMI) grid. The Tilt Derivative (TDR) of the TMI enhances small wavelength magnetic features which define shallow basement structures as well as potential mineral exploration targets. The TILT derivative can be thought of as a combination of the first vertical derivative and the total horizontal derivative of the total magnetic intensity.

Mathematically, the TDR is defined as:

$$\text{TDR} = \arctan (\text{VDR}/\text{THDR})$$

where VDR and THDR are first vertical and total horizontal derivatives, respectively, of the total magnetic intensity T.

$$\text{VDR} = dT/dz$$

$$\text{THDR} = \sqrt{(dT/dx)^2 + (dT/dy)^2}$$

7.3.2. Measured Gradients

The three magnetic gradient components were calculated by variable differencing of the four measured total field readings. The baseline distances of the gradient measurements are described in section 5.2. Further levelling of the gradient components was then carried out using tie-line levelling if required. This process minimised the small sources of error discussed above, as well as removed any DC gradient shifts introduced by the absolute

accuracy limitations of the cesium sensors. The measured vertical and longitudinal gradient profiles were interpolated into grids and are included in the digital archive.

7.3.3. Measured 3-D Analytic Signal

The 3-D Analytic Signal or “Total Magnetic Gradient” is indirectly measured by the Heli-TAG system. Since three orthogonal gradient components are measured, calculating the measured analytic signal is a trivial matter:

$$AS = \sqrt{MVG^2 + MTG^2 + MLG^2}$$

Where:

AS is the magnitude of the total gradient vector and

MVG, MTG, and MLG are the measured vertical, transverse, and longitudinal gradients.

The above formula is applied using the three gradient channels to provide the measured analytic signal (AS) profile. The primary advantage of this magnetic data form is that positive peaks will directly correlate with the centre of the magnetic sources, regardless of the Earth’s magnetic field orientation, or possible remanent magnetism effects in the source bodies. Again, due to the short baseline design of the gradiometer system, the measured AS tends to enhance near surface magnetic sources. The AS profiles were interpolated onto a grid using minimum curvature and included in the digital archive. This product may be useful for data interpretation since it can be thought of as a map of magnetisation in the ground. The final Analytic Signal map is presented with a linear colour scale in order to enhance the more anomalous magnetic sources.

Respectfully submitted,

Gord Smith

Aeroquest Limited

September, 2007

Doug Garrie

QA/QC Geophysicist

Aeroquest Limited

September, 2007

APPENDIX 1: SURVEY BOUNDARIES

The following table presents the Borealis survey block boundaries. All geophysical data presented in this report have been windowed to these outlines plus a 100m extension around the block. X and Y positions are in metres (NAD83 UTM Zone 7N).

Easting	Northing
583800	7150500
583800	7159800
594400	7159800
594400	7150500

APPENDIX 2: MINING CLAIMS

From Government of Yukon Mining Recorders webpage – October 2007

Grant Number	Claim Number	District	RegType	Claim_Owner	Recording Date	Expiry Date	Area (Hectare)
YC44633	U02 11	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.44
YC45025	U02 36	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	9.07
YC45035	U02 46	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45045	U02 56	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45063	U02 74	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45002	U02 13	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45051	U02 62	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45071	U02 82	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45016	U02 27	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45034	U02 45	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45048	U02 59	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45005	U02 16	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45053	U02 64	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45009	U02 20	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45070	U02 81	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45046	U02 57	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44628	U02 6	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC44629	U02 7	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC45011	U02 22	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45032	U02 43	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45014	U02 25	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45040	U02 51	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45023	U02 34	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45056	U02 67	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45033	U02 44	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45043	U02 54	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45042	U02 53	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45008	U02 19	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44630	U02 8	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC45024	U02 35	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	19.3
YC45022	U02 33	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45078	U02 89	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	18.23
YC45036	U02 47	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45038	U02 49	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45047	U02 58	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44632	U02 10	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.48
YC45004	U02 15	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45050	U02 61	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45067	U02 78	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45081	U02 92	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45030	U02 41	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44626	U02 4	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC44625	U02 3	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC45026	U02 37	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45010	U02 21	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45073	U02 84	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45013	U02 24	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45080	U02 91	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45037	U02 48	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45066	U02 77	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45069	U02 80	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77

Grant Number	Claim Number	District	RegType	Claim_Owner	Recording Date	Expiry Date	Area (Hectare)
YC45079	U02 90	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45077	U02 88	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	17.6
YC45076	U02 87	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	13.65
YC45075	U02 86	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	18.74
YC44624	U02 2	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC45028	U02 39	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45049	U02 60	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45060	U02 71	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45058	U02 69	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45029	U02 40	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45006	U02 17	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44627	U02 5	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC45064	U02 75	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45065	U02 76	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45003	U02 14	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45015	U02 26	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45052	U02 63	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45072	U02 83	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45068	U02 79	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44631	U02 9	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.48
YC45062	U02 73	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45012	U02 23	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45031	U02 42	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45059	U02 70	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45020	U02 31	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45039	U02 50	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.73
YC45017	U02 28	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45054	U02 65	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45074	U02 85	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45027	U02 38	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45021	U02 32	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45044	U02 55	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45019	U02 30	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44623	U02 1	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.77
YC45041	U02 52	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	7.25
YC45055	U02 66	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45057	U02 68	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45061	U02 72	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45007	U02 18	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC45018	U02 29	Dawson	Quartz	Shawn Ryan - 100%.	10/30/2006	10/30/2007	20.77
YC44634	U02 12	Dawson	Quartz	Shawn Ryan - 100%.	7/10/2006	7/10/2008	20.44

APPENDIX 3: DESCRIPTION OF DATABASE FIELDS

The GDB file is a Geosoft binary database. In the database, the Survey lines and Tie Lines are prefixed with an "L" for "Line" and "T" for "Tie".

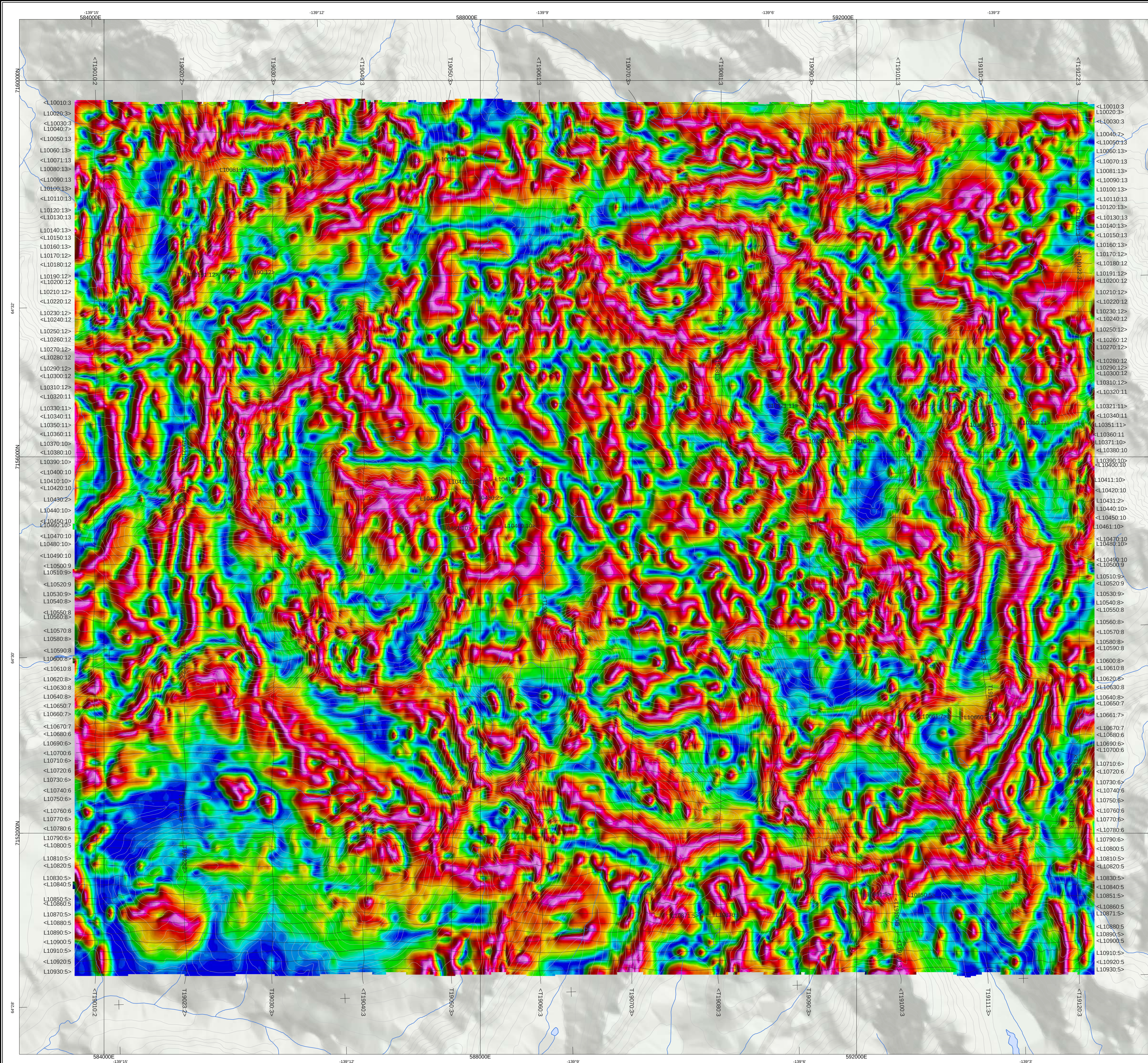
There is a separate GDB for the 10Hz magnetic gradiometer data and the 5Hz spectrometer data.

Description of 08-030_Client_Final_Gradiometer.GDB

Column	Units	Description
X	m	UTM Easting (NAD83) Z7N
Y	m	UTM Northing (NAD83) Z7N
utctime	hh:mm:ss.s	UTC time
Fid		Fiducial counter
bheight	m	calculated height of gradiometer bird
ansig	nT/m	Measured Total Gradient (3D Analytic Signal)
Date		Date flown
basemagf	nT	base magnetometer readings
MagU	nT	Uncorrected Upper (Top) sensor magnetic field reading
MagP	nT	Uncorrected Port sensor, magnetic field reading
MagS	nT	Uncorrected Starboard sensor, magnetic field reading
MagN	nT	Uncorrected Nose (Front) sensor , magnetic field reading
galtf	m	elevation of GPS antenna (AMSL) (WGS84)
dtm	m	Calculated Digital terrain model
TFMag	nT	Leveled total magnetic field (Average of Upper, Starboard and Port and Nose)
MVG	nT/m	Measured Vertical magnetic Gradient (Leveled)
MLG	nT/m	Measured Longitudinal Gradient (Along Track) corrected for flight direction and leveled
MTG	nT/m	Measured Transverse Gradient (Cross Track) corrected for flight direction and leveled

Description of 08-030_Client_Final_Spec.GDB

Column	Units	Description
X	m	UTM Easting (NAD83) Z7N
Y	m	UTM Northing (NAD83) Z7N
altH_m	m	radar altitude of aircraft
AltBF		Barometric Altitude
BaroTF	°C	Barometric sensor Temperature
K_raw	counts per second	uncorrected Potassium counts
TC_raw	counts per second	uncorrected Total count
Th_raw	counts per second	uncorrected Thorium counts
U_raw	counts per second	uncorrected Uranium counts
TCCORR	nGy/hr	Radiometrics – dose rate
KCORR	%	Radiometrics – potassium (%K)
UCORR	ppm	Radiometrics – equivalent Uranium
THCORR	ppm	Radiometrics – equivalent Thorium
THKratio		Thorium – Potassium Ratio
UKratio		Uranium – Potassium Ratio
UTHratio		Uranium – Thorium Ratio
Cos_raw	counts per second	uncorrected Cosmic counts
ISP1D_cpt		256 channel spectral data (Downward looking)
ISP1U_cpt		256 channel spectral data (Upward looking)
TCEXP	uR/hr	Radiometrics – exposure rate
UpU_raw	counts per second	uncorrected Uranium upward looking counts
utctime	hh:mm:ss.s	UTC time



The topographic data base was derived from 1:50,000 NRC (Natural Resources Canada) NTDB data.

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'.

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Grid North
NAD83-Zone7

Scale 1:10,000,000

Scale 1:20,000

1.57
1.29
1.16
1.05
0.94
0.85
0.76
0.67
0.59
0.50
0.42
0.34
0.25
0.17
0.09
0.01
-0.07
-0.15
-0.22
-0.29
-0.36
-0.43
-0.50
-0.57
-0.63
-0.69
-0.74
-0.80
-0.86
-0.91
-0.96
-1.02
-1.07
-1.12
-1.17
-1.23
-1.28
-1.35
-1.42
-1.57
TDR
nT/m

SURVEY SPECIFICATIONS:
Survey flown: July 25 - August 3, 2007
Traverse line spacing: 100 metres
Traverse line direction: E-W (90°)
Nominal HelitAG bird height: 30 metres
Aircraft: Aerospatiale A-Star 350B2 (C-GPTY)

INSTRUMENTATION:
Data acquisition: HelitAG - Tri-Directional Total Field/Gradient
Magnetometers: 4 x G823A Cesium Vapour sensors
Installation: Towed bird (30m nominal ground clearance)
Sensitivity: .004 nanoTesla
Sample Interval: 10 Hz
Gamma Ray Spectrometer: PicoEnvirotec AGRS CRS 10-5
Downward looking crystal vol. - 16.8L (1024cu in)
Upward looking crystal vol. - 4L (256cu in)
Sample Interval: 1.0 seconds
Channels: 256
Installation: In helicopter

NAVIGATION:
Navigation: Differential Global Positioning System (DGPS)
Navigation equipment: AGNAV with MID-TECH RX400p receiver
Radar Altimeter: Terra TRA3000/TRI-30

DATA PROCESSING
Magnetics: diurnal, tie-line and micro-leveling corrections

POSITIONING
Datum: NAD83
Major Axis: 6378137.000
Eccentricity: 0.081819191

MAP PROJECTION
Projection: Universal Transverse Mercator
Central Meridian: 141°W (Zone 7)
Central Scale Factor: 0.9996
False Easting/Northing: 500,000m/0m

scale 1:20,000

Copper Ridge Explorations Inc.
Dawson Area, Yukon

**TILT DERIVATIVE
OF TMI**

Borealis Property

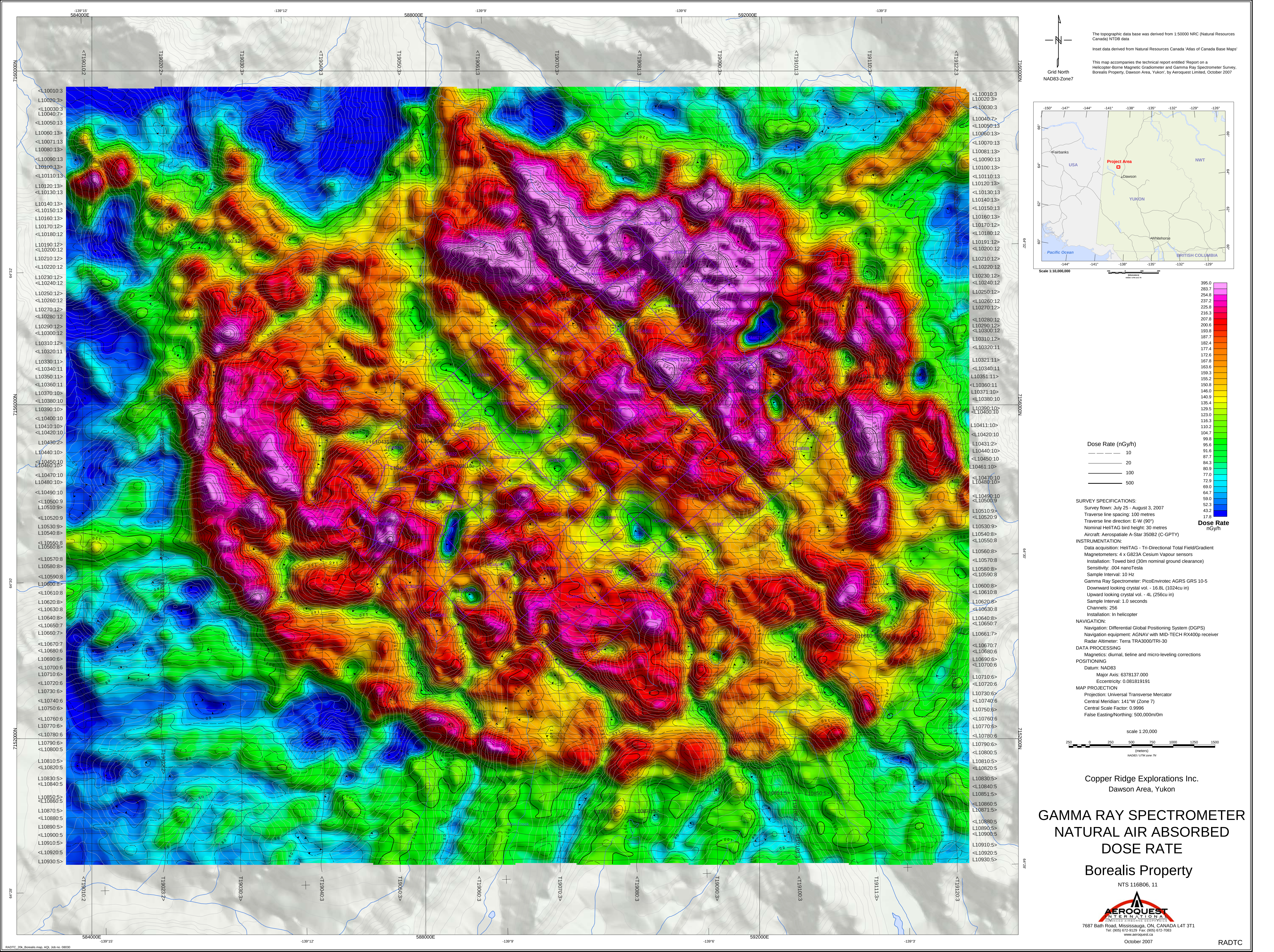
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TDR

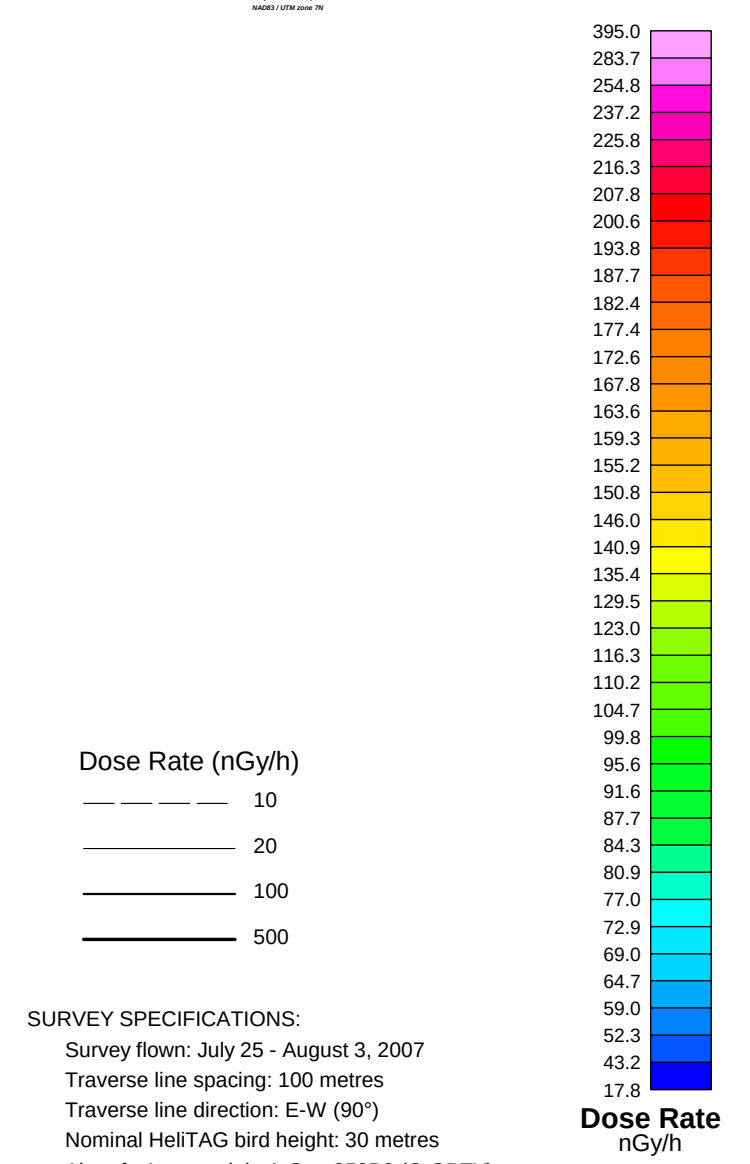


The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic Gradiometer and Gamma Ray Spectrometer Survey, Borealis Property, Dawson Area, Yukon', by Aeroquest Limited, October 2007

Grid North
NAD83-Zone7



SURVEY SPECIFICATIONS:
Survey flown: July 25 - August 3, 2007
Traverse line spacing: 100 metres
Traverse line direction: E-W (90°)
Nominal HelitAG bird height: 30 metres
Aircraft: Aerospatiale A-Star 350B2 (C-GPTY)

INSTRUMENTATION:
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Magnetometers: 4 x G623A Cesium Vapour sensors
Installation: Towed bird (30m nominal ground clearance)
Sensitivity: .004 nanoTesla
Sample Interval: 10 Hz
Gamma Ray Spectrometer: PicoEnvirotec AGRS GRS 10-5
Downward looking crystal vol. - 16.8L (1024cu in)
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Sample Interval: 1.0 seconds
Channels: 256
Installation: In helicopter

NAVIGATION:
Navigation: Differential Global Positioning System (DGPS)
Navigation equipment: AGNAV with MID-TECH RX400p receiver
Radar Altimeter: Terra TRA3000/TRI-30

DATA PROCESSING:
Magnetics: diurnal, teline and micro-leveling corrections

POSITIONING:
Datum: NAD83
Major Axis: 6378137.000
Eccentricity: 0.081819191

MAP PROJECTION:
Projection: Universal Transverse Mercator
Central Meridian: 141°W (Zone 7)
Central Scale Factor: 0.9996
False Easting/Northing: 500,000m/0m

scale 1:20,000
250 0 250 500 750 1000 1250 1500
(meters)
NAD83 / UTM zone 7N

Copper Ridge Explorations Inc.
Dawson Area, Yukon

**GAMMA RAY SPECTROMETER
NATURAL AIR ABSORBED
DOSE RATE**

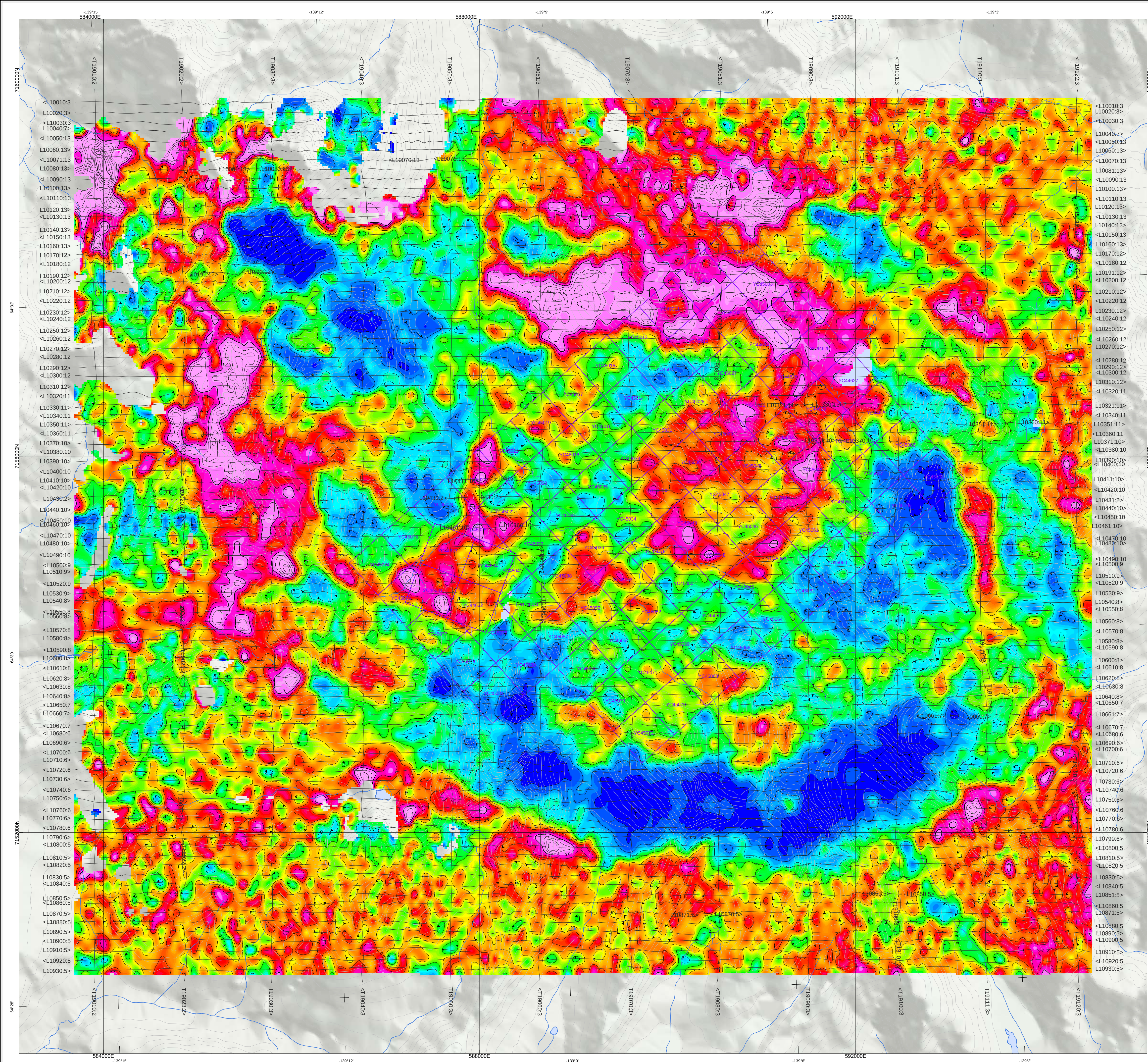
Borealis Property

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RADTC



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Grid North
NAD83-Zone7

Scale 1:10,000,000

11.41
5.39
4.94
4.69
4.52
4.39
4.27
4.18
4.10
4.02
3.96
3.89
3.83
3.78
3.72
3.66
3.61
3.56
3.50
3.44
3.39
3.34
3.26
3.20
3.13
3.07
3.00
2.92
2.84
2.77
2.69
2.61
2.52
2.44
2.33
2.20
2.06
1.83
1.50
0.55
eTh/K%
ratio

Thorium / Potassium Ratio (eTh/K%)

--- 0.5
--- 1.0
--- 5.0
--- 25.0

SURVEY SPECIFICATIONS:

Survey flown: July 25 - August 3, 2007
Traverse line spacing: 100 metres
Traverse line direction: E-W (90°)
Nominal HelitAG bird height: 30 metres
Aircraft: Aerospatiale A-Star 350B2 (C-GPTY)

INSTRUMENTATION:

Data acquisition: HelitAG - Tri-Directional Total Field/Gradient
Magnetometers: 4 x G623A Cesium Vapour sensors
Installation: Towed bird (30m nominal ground clearance)
Sensitivity: .004 nanoTesla
Sample Interval: 10 Hz
Gamma Ray Spectrometer: PicoEnvirotec AGRS GRS 10-5
Downward looking crystal vol. - 16.8L (1024cu in)
Upward looking crystal vol. - 4L (256cu in)
Sample Interval: 1.0 seconds
Channels: 256
Installation: in helicopter

NAVIGATION:

Navigation: Differential Global Positioning System (DGPS)
Navigation equipment: AGNAV with MID-TECH RX400p receiver
Radar Altimeter: Terra TRA3000/TRI-30

DATA PROCESSING

Magnetics: diurnal, tide and micro-leveling corrections

POSITIONING

Datum: NAD83
Major Axis: 6378137.000
Eccentricity: 0.081819191

MAP PROJECTION

Projection: Universal Transverse Mercator
Central Meridian: 141°W (Zone 7)
Central Scale Factor: 0.9996
False Easting/Northing: 500,000m/0m

scale 1:20,000

250 0 250 500 750 1000 1250 1500
(meters)
NAD83 / UTM zone 7N

Copper Ridge Explorations Inc.
Dawson Area, Yukon

**GAMMA RAY SPECTROMETER
THORIUM/POTASSIUM RATIO
(eTh/K%)**

Borealis Property

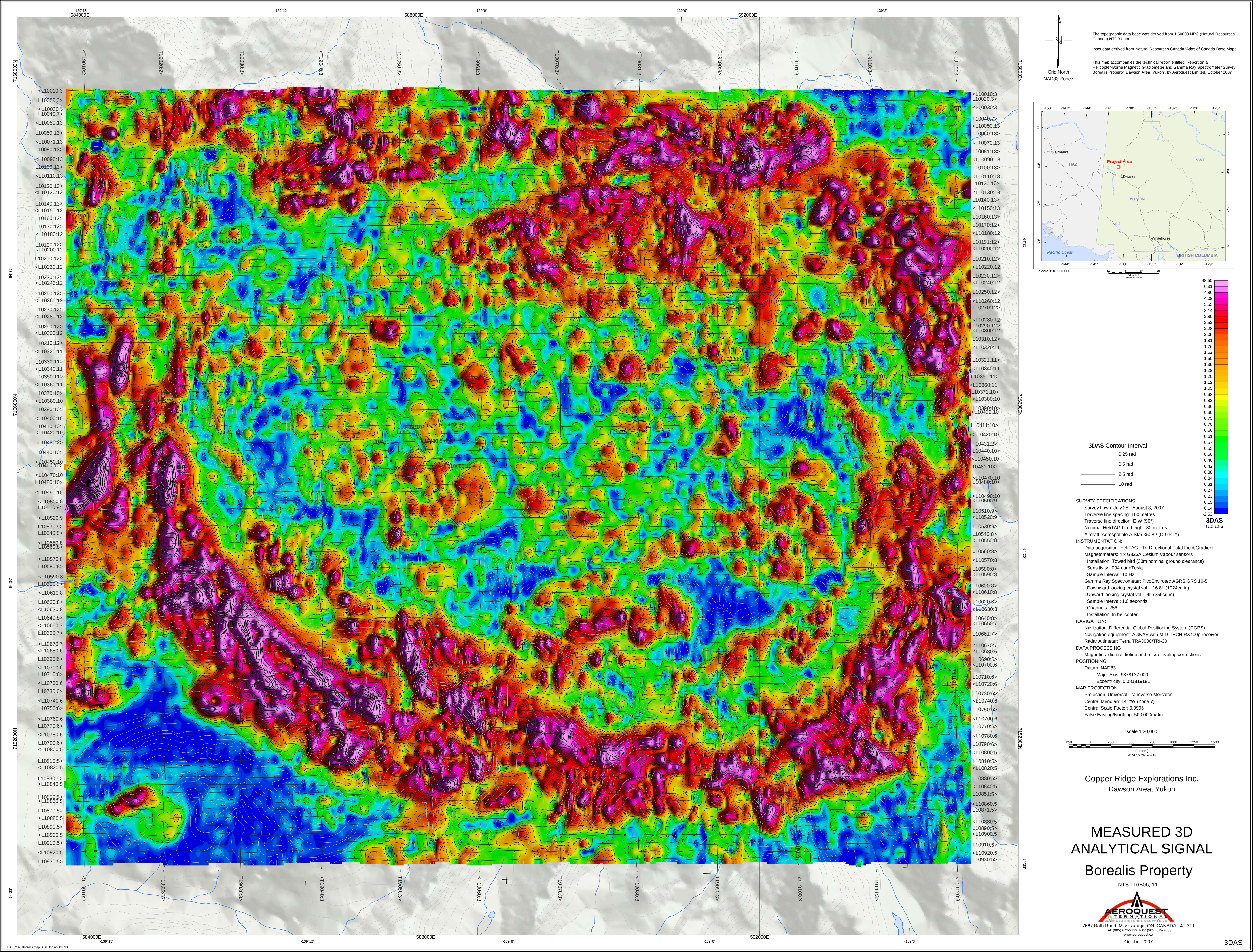
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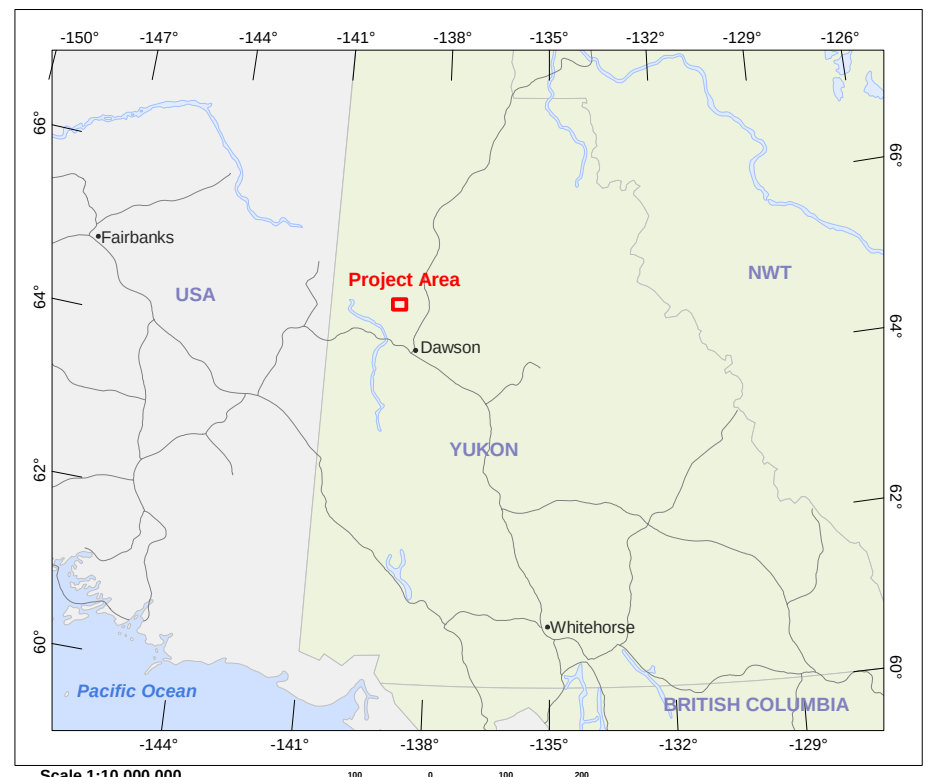
RAdeTHK



The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data
Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

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Grid North
NAD83-Zone7



3DAS Contour Interval

- 0.25 rad
- 0.5 rad
- 2.5 rad
- 10 rad

SURVEY SPECIFICATIONS:

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Traverse line spacing: 100 metres
Traverse line direction: E-W (90°)
Nominal HeliTAG bird height: 30 metres
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Channels: 256
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Navigation: Differential Global Positioning System (DGPS)
Navigation equipment: AGNAV with MID-TECH RX400p receiver
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DATA PROCESSING

Magnetics: diurnal, tideline and micro-leveling corrections

POSITIONING

Datum: NAD83

Major Axis: 6378137.000

Eccentricity: 0.081819191

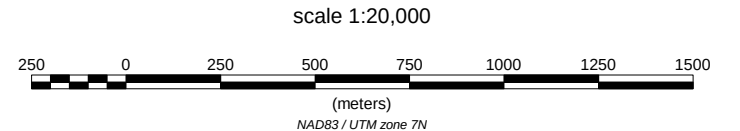
MAP PROJECTION

Projection: Universal Transverse Mercator

Central Meridian: 141°W (Zone 7)

Central Scale Factor: 0.9996

False Easting/Northing: 500,000m/0m



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Dawson Area, Yukon

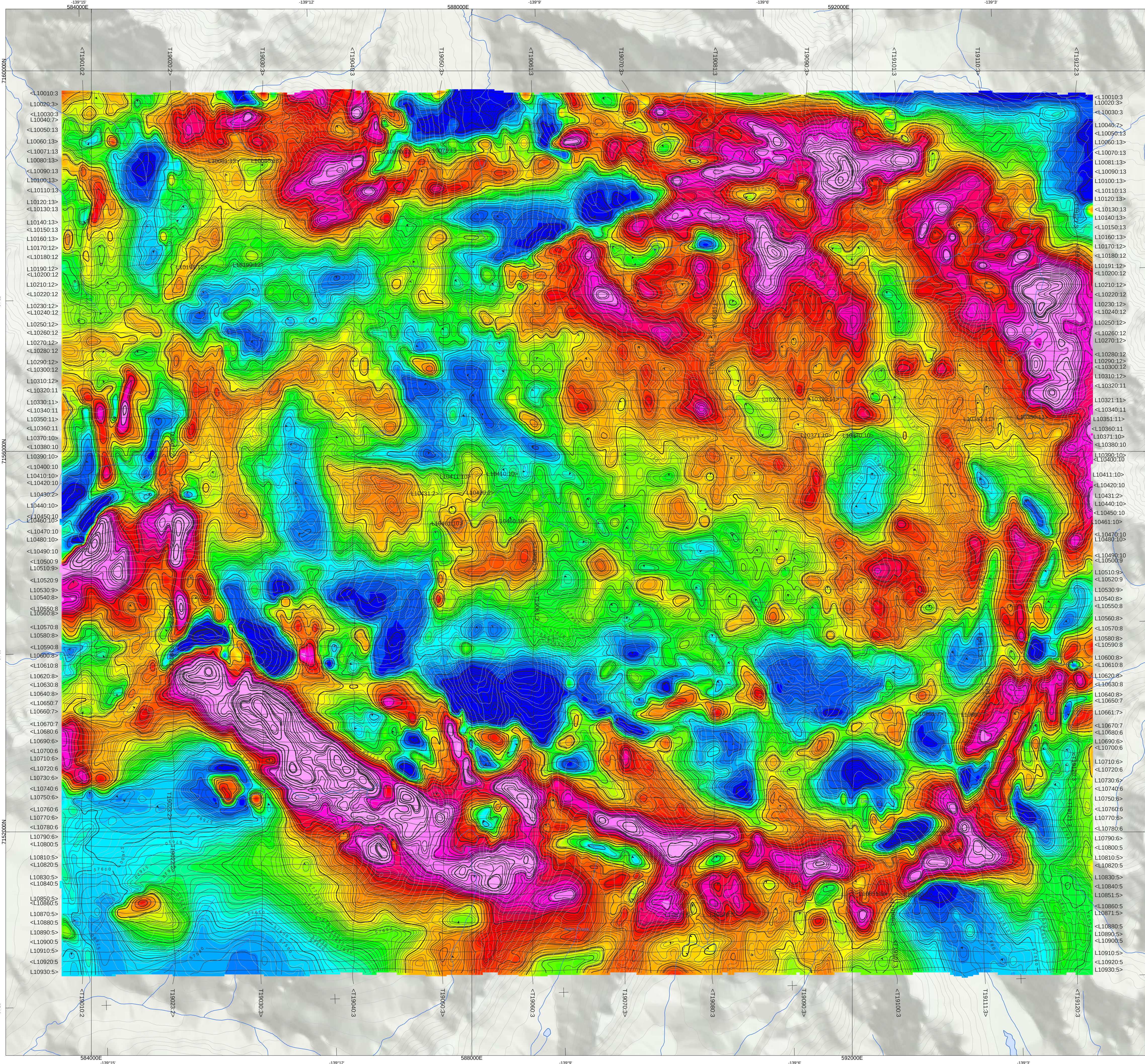
MEASURED 3D
ANALYTICAL SIGNAL
Borealis Property
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3DAS



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Grid North
NAD83-Zone7

60402.9
58459.7
58218.8
58163.5
58095.6
58044.4
57997.5
57959.3
57928.5
57903.1
57881.7
57861.1
57842.8
57826.6
57811.8
57798.1
57785.3
57772.4
57760.3
57748.7
57737.6
57726.4
57715.7
57703.3
57695.3
57685.3
57675.3
57665.6
57656.1
57646.6
57636.0
57625.7
57615.4
57605.0
57594.7
57584.0
57570.9
57548.8
57513.8
56840.2

TMI
nT

TMI Contour Interval

--- 5nT
--- 10nT
--- 50nT
--- 250nT

SURVEY SPECIFICATIONS:
Survey flown: July 25 - August 3, 2007
Traverse line spacing: 100 metres
Traverse line direction: E-W (90°)
Nominal HelitAG bird height: 30 metres
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Channels: 256
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NAVIGATION:
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DATA PROCESSING
Magnetics: diurnal, tieline and micro-leveling corrections

POSITIONING
Datum: NAD83
Major Axis: 6378137.000
Eccentricity: 0.081819191

MAP PROJECTION
Projection: Universal Transverse Mercator
Central Meridian: 141°W (Zone 7)
Central Scale Factor: 0.9996
False Easting/Northing: 500,000m/0m

scale 1:20,000
(metres)
NAD83 / UTM zone 7N

Copper Ridge Explorations Inc.
Dawson Area, Yukon

TOTAL MAGNETIC INTENSITY

Borealis Project
NTS 011B06, 11

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September 2007

TMI

APPENDIX II: SILT AND SOIL GEOCHEMICAL ANALYSES

Sample Number	Easting	Northing	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
504501	587330	7154676	3	0.6	3.85	34.6	34.5	0.26	0.84	0.30	255.20	4.1	7.5	1.12	24	5.00	9.0
504502	587247	7154696	2	0.1	1.84	33.2	150.5	0.62	1.45	0.49	259.80	7.0	18.0	4.24	18	2.66	6.8
504503	589727	7154520	3	0.2	3.26	36.2	110.0	0.60	0.89	0.35	138.20	9.8	8.0	8.86	34	3.01	7.6
504504	590112	7154752	3	0.1	2.95	38.1	67.0	0.56	0.53	0.89	103.70	12.2	28.0	3.68	26	3.39	5.8
504505	590121	7154939	2	0.1	1.98	36.1	86.0	0.44	0.89	0.24	106.70	7.0	8.0	3.64	20	2.40	5.5
504506	589353	7155203	2	0.1	2.33	35.8	102.0	0.44	0.94	0.36	117.30	7.9	7.5	5.58	22	2.47	6.2
504508	588717	7154708	7	0.5	5.86	87.2	107.5	1.20	0.70	0.40	229.30	18.2	24.5	4.80	100	3.67	15.0
504551	588688	7153995	5	0.1	2.39	16.0	72.0	0.70	0.90	0.27	240.00	9.2	11.0	9.30	22	2.36	14.2
504552	588707	7153964	4	0.1	2.32	12.2	94.0	0.78	0.87	0.30	217.80	7.4	9.5	8.52	18	2.16	13.0
504553	588720	7153950	2	0.1	1.76	11.6	77.0	0.72	0.90	0.42	180.10	7.8	8.5	6.56	14	1.95	11.2
504554	588737	7153931	4	0.1	1.98	12.1	57.5	1.26	0.85	0.25	264.50	7.7	5.0	9.86	14	1.82	14.2
504555	588752	7153912	1	0.1	1.48	9.1	55.0	0.96	0.60	0.20	90.71	6.0	9.0	7.58	13	2.17	10.6
504556	588760	7153887	2	0.1	1.78	9.2	40.5	1.22	0.61	0.17	136.10	5.8	5.0	7.38	12	1.33	9.9
504557	588767	7153844	1	0.1	1.01	8.7	62.5	0.86	0.81	0.14	52.55	5.4	9.5	6.14	12	2.42	10.7
504558	588771	7153819	1	0.1	1.16	9.4	49.5	1.00	0.86	0.18	71.04	5.5	7.0	6.98	12	2.29	9.0
504559	588778	7153761	1	0.1	1.95	14.7	84.5	1.36	0.61	0.20	185.80	8.4	13.5	10.86	16	2.69	13.7
504560	588781	7153729	1	0.1	2.62	13.1	63.5	1.06	0.73	0.23	166.30	8.4	7.0	12.76	18	2.17	14.5
504561	588782	7153699	27	0.1	2.44	18.2	70.0	0.96	0.74	0.19	169.00	8.3	9.5	12.02	18	2.37	14.6
504562	588784	7153679	10	0.1	3.15	20.9	77.0	1.08	0.67	0.26	255.90	10.6	9.5	18.68	23	2.58	17.8
504563	588777	7153652	5	0.1	2.52	18.2	60.0	0.74	0.69	0.22	181.80	9.9	8.5	13.10	20	2.41	15.5
504564	588780	7153632	5	0.1	2.83	20.3	49.0	0.94	0.57	0.23	140.40	9.4	6.5	12.84	27	2.10	14.9
504565	588776	7153607	2	0.1	1.39	13.0	52.0	0.88	0.53	0.13	109.00	7.4	9.0	10.28	25	2.49	13.7
504566	588771	7153578	6	0.1	2.14	18.7	70.0	0.94	0.90	0.25	152.00	16.8	12.5	8.30	60	3.20	14.5
504567	588770	7153552	4	0.2	2.68	11.3	87.0	0.40	1.41	0.36	118.10	15.7	8.0	8.24	85	3.29	13.1
504568	588767	7153520	6	0.2	3.96	12.9	161.5	0.40	1.09	0.30	167.70	29.9	7.0	15.34	191	3.67	16.1
504569	588771	7153497	1	0.1	6.17	8.7	80.0	0.14	1.76	0.21	145.50	23.6	2.0	36.00	110	3.99	18.1
504570	588771	7153474	9	0.1	6.80	9.4	81.0	0.14	2.16	0.15	172.10	26.0	1.5	41.32	110	4.49	20.2
504571	588760	7153450	16	0.1	1.71	9.6	33.0	0.52	0.45	0.13	178.20	5.2	2.0	2.40	90	2.86	11.0
504572	589071	7153410	5	0.2	>10	47.1	94.5	0.28	3.73	0.15	188.50	24.8	4.5	47.28	206	6.60	16.8
504573	589075	7153461	2	0.2	7.78	37.7	145.0	0.08	2.68	0.12	111.70	28.7	4.0	46.42	128	7.23	14.8
504574	589052	7153524	3	0.3	3.80	35.5	69.0	2.08	0.60	0.65	93.98	26.1	7.0	1.44	283	1.74	7.4
504575	589026	7153579	3	0.3	3.48	39.1	137.5	0.74	1.28	0.32	258.20	24.8	6.5	10.90	230	3.48	10.5
504576	588994	7153627	2	0.1	1.65	34.1	48.0	0.84	1.65	0.29	250.30	14.0	4.0	9.14	151	2.74	8.3
504577	589001	7153661	2	0.1	3.33	39.0	64.5	1.06	0.66	0.26	201.00	9.8	9.5	10.62	27	2.45	9.8
504578	588993	7153703	2	0.1	3.27	39.2	55.5	1.28	0.89	0.31	214.60	8.1	8.0	11.16	19	2.31	9.8

Sample Number	Ge (ppm)	Hf (ppb)	Hg (ppb)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)
504501	6.9	0.18	10	0.09	138.5	8.4	0.08	388	2.25	0.225	5.42	3.3	873.0	14.16	5.7	0.004	0.42	0.16
504502	4.5	0.12	15	0.14	132.0	30.2	0.29	842	0.74	0.089	2.02	21.4	528.0	32.17	16.6	0.001	0.24	0.38
504503	5.7	0.26	10	0.33	77.5	32.8	0.27	821	1.16	0.337	5.16	5.4	628.0	28.29	34.5	0.001	0.28	0.16
504504	5.5	0.14	80	0.11	64.0	16.2	0.30	947	2.61	0.045	3.50	15.8	1109.0	32.67	10.0	0.001	0.48	0.44
504505	4.7	0.14	10	0.14	58.0	21.2	0.17	646	1.09	0.176	3.06	5.6	468.0	18.27	13.2	0.001	0.26	0.16
504506	5.1	0.14	15	0.22	65.0	24.8	0.19	790	0.92	0.268	3.28	4.9	552.0	19.38	21.8	0.001	0.26	0.16
504508	6.9	0.20	110	0.12	146.5	54.2	0.46	629	10.18	0.057	5.26	46.4	1693.0	49.03	13.1	0.005	0.46	0.52
504551	11.3	0.18	15	0.14	90.5	52.7	0.38	733	0.75	0.062	7.38	10.8	802.0	65.92	27.0	0.001	0.10	0.42
504552	10.2	0.32	30	0.13	111.0	45.2	0.31	690	0.61	0.048	12.64	8.6	706.0	68.99	27.0	0.001	0.12	0.40
504553	8.4	0.30	25	0.10	89.0	41.0	0.29	717	0.58	0.053	9.52	9.4	641.0	55.22	19.6	0.001	0.08	0.36
504554	9.0	0.30	15	0.10	138.0	44.4	0.22	764	0.44	0.061	18.60	5.1	607.0	89.44	22.6	0.001	0.10	0.36
504555	6.9	0.22	35	0.07	45.0	27.3	0.22	572	1.19	0.051	8.26	7.1	528.0	64.97	17.8	0.001	0.10	0.36
504556	6.5	0.22	25	0.08	71.5	30.4	0.18	456	0.51	0.242	9.44	4.5	587.0	73.81	14.4	0.001	0.10	0.26
504557	6.6	0.56	45	0.07	23.0	29.6	0.20	426	1.73	0.051	12.58	6.7	309.0	46.65	12.7	0.001	0.08	0.52
504558	6.3	0.52	40	0.08	32.5	29.1	0.21	526	0.87	0.049	11.80	5.5	395.0	59.65	17.2	0.001	0.08	0.34
504559	8.5	0.20	30	0.09	58.5	42.3	0.32	731	1.22	0.049	14.64	11.6	396.0	123.60	20.5	0.001	0.10	0.74
504560	8.5	0.30	15	0.15	82.0	57.2	0.28	719	0.54	0.106	18.74	7.6	508.0	98.90	31.3	0.001	0.10	0.58
504561	9.9	0.24	20	0.13	60.0	49.6	0.30	586	0.95	0.090	13.04	9.0	456.0	79.11	26.7	0.001	0.12	0.72
504562	9.7	0.36	30	0.15	89.0	62.8	0.35	695	0.91	0.087	14.94	9.8	669.0	101.20	35.0	0.001	0.14	0.68
504563	8.7	0.22	25	0.14	69.5	57.2	0.32	742	0.93	0.086	11.52	8.5	575.0	71.25	32.2	0.001	0.14	0.66
504564	8.2	0.30	30	0.14	65.5	56.0	0.25	633	0.71	0.080	12.94	6.9	701.0	80.77	30.4	0.001	0.12	0.54
504565	7.3	0.16	35	0.09	48.5	40.5	0.27	577	1.31	0.062	9.70	7.4	480.0	63.87	21.6	0.001	0.14	0.46
504566	9.9	0.24	40	0.11	69.0	43.1	0.38	890	1.50	0.070	7.86	10.8	785.0	71.44	21.7	0.001	0.16	0.60
504567	10.5	0.78	55	0.13	59.5	28.8	0.30	807	0.83	0.086	7.98	7.1	1040.0	31.15	25.1	0.001	0.18	0.38
504568	11.9	0.48	25	0.32	84.0	50.4	0.49	1057	0.53	0.156	8.38	8.6	1205.0	31.94	63.5	0.001	0.12	0.30
504569	26.6	0.42	5	1.49	77.5	37.5	0.59	1770	0.18	1.615	3.98	2.4	1746.0	12.66	137.5	0.001	0.14	0.08
504570	18.7	0.44	<5	2.11	92.0	33.0	0.65	1995	0.21	2.493	1.82	2.0	1958.0	10.81	185.5	0.001	0.12	0.08
504571	12.4	0.30	10	0.11	96.0	12.4	0.10	513	1.87	0.145	3.18	2.3	395.0	24.50	9.6	0.002	0.10	0.14
504572	8.5	0.28	<5	4.19	103.5	26.9	0.79	2465	0.14	4.427	1.02	2.4	1791.0	10.69	230.5	0.001	0.32	0.06
504573	8.0	0.32	<5	2.79	59.0	28.0	0.72	2393	0.10	2.579	1.34	1.6	1104.0	2.74	211.6	0.001	0.30	0.04
504574	5.4	0.20	10	0.09	36.0	3.7	0.05	1428	0.20	0.176	3.38	2.9	496.0	59.07	7.5	0.001	0.26	0.14
504575	6.2	0.58	15	0.23	127.5	33.9	0.28	849	0.43	0.137	7.60	5.4	946.0	57.68	53.2	0.001	0.30	0.36
504576	4.7	0.30	10	0.11	128.0	49.1	0.21	734	0.25	0.049	4.58	4.4	731.0	56.82	26.0	0.001	0.26	0.30
504577	5.5	0.18	20	0.14	104.0	57.5	0.30	686	0.58	0.098	11.16	7.3	626.0	69.47	31.1	0.001	0.28	0.50
504578	5.7	0.24	10	0.16	118.0	53.0	0.25	721	0.43	0.138	12.14	5.5	653.0	78.06	35.2	0.001	0.28	0.36

Sample Number	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)	Zr (ppm)
504501	0.9	0.7	0.3	52.5	0.03	0.38	15.7	0.068	0.28	15.6	14	0.1	31.1	32.7
504502	1.2	0.6	0.9	123.0	0.03	0.36	17.5	0.079	0.40	10.0	14	0.1	80.8	9.8
504503	0.9	0.6	0.6	188.0	0.03	0.56	10.8	0.109	0.48	8.7	16	0.1	136.9	21.3
504504	2.0	1.2	0.6	140.0	0.03	0.44	4.0	0.041	0.22	18.8	18	0.2	119.6	9.1
504505	1.0	0.5	0.7	102.5	0.03	0.34	6.6	0.076	0.26	10.2	16	0.1	81.8	12.7
504506	0.9	0.6	0.6	144.0	0.03	0.40	8.7	0.091	0.36	8.3	14	0.1	104.7	12.8
504508	1.9	1.4	0.6	198.5	0.03	0.64	8.0	0.020	0.34	92.9	20	0.8	166.8	11.3
504551	1.1	1.5	0.7	36.5	0.03	0.04	27.9	0.038	0.52	15.1	32	0.1	166.5	9.4
504552	0.8	1.6	0.6	45.5	0.03	0.08	24.3	0.039	0.52	15.7	28	0.1	159.7	16.6
504553	1.0	1.3	0.6	37.5	0.03	0.06	27.6	0.047	0.36	13.5	26	0.1	148.4	15.8
504554	0.5	1.8	0.6	55.5	0.05	0.06	25.3	0.036	0.48	22.5	20	0.1	195.1	15.3
504555	0.3	0.7	0.7	32.0	0.03	0.06	7.6	0.016	0.28	7.5	26	0.1	90.4	10.1
504556	0.4	1.1	0.5	41.0	0.03	0.04	15.2	0.026	0.34	14.7	16	0.1	103.0	10.3
504557	0.8	0.5	1.1	27.5	0.03	0.08	6.8	0.049	0.26	7.3	42	0.2	90.4	23.9
504558	0.6	0.7	0.9	23.0	0.03	0.04	8.2	0.039	0.32	8.7	30	0.1	99.0	23.4
504559	0.7	1.1	0.8	48.5	0.03	0.08	10.2	0.031	0.38	15.0	36	0.2	125.6	10.0
504560	0.8	1.3	0.6	72.0	0.03	0.08	25.9	0.041	0.60	19.6	22	0.1	218.9	14.2
504561	0.7	1.1	0.6	70.5	0.03	0.08	9.8	0.032	0.42	15.7	26	0.2	141.6	12.2
504562	0.9	1.5	0.6	68.5	0.03	0.08	25.3	0.038	0.62	19.7	26	0.1	182.8	15.8
504563	0.8	1.2	0.5	43.5	0.03	0.06	14.3	0.036	0.48	14.8	24	0.1	161.7	10.7
504564	0.7	1.3	0.5	37.0	0.03	0.06	29.3	0.038	0.52	17.4	20	0.1	172.8	12.7
504565	0.5	1.0	0.6	30.0	0.03	0.06	8.5	0.027	0.34	10.8	26	0.1	119.4	8.5
504566	0.7	1.5	0.7	34.5	0.03	0.06	9.4	0.032	0.38	13.8	42	0.1	137.0	12.3
504567	1.1	1.3	0.8	37.0	0.03	0.10	13.5	0.063	0.42	6.2	44	0.1	109.7	38.4
504568	1.2	1.5	0.3	80.0	0.03	0.10	26.3	0.072	0.84	7.4	36	0.1	184.4	24.6
504569	1.0	1.2	0.2	291.5	0.03	0.16	19.0	0.071	1.24	4.0	42	0.1	178.6	22.5
504570	1.1	1.1	0.3	402.0	0.03	0.18	21.6	0.079	1.52	3.9	44	0.1	192.3	23.2
504571	0.4	1.9	0.5	43.0	0.03	0.14	44.3	0.029	0.16	9.1	22	0.4	66.8	15.0
504572	2.0	0.7	0.5	796.0	0.03	1.72	7.1	0.192	1.34	2.4	20	0.1	186.0	16.0
504573	1.1	0.7	0.4	360.5	0.03	0.88	6.3	0.211	1.44	2.2	18	0.1	262.2	18.9
504574	0.3	0.7	0.2	22.0	0.03	0.28	4.7	0.029	0.22	4.2	12	0.1	37.9	16.3
504575	0.7	0.8	0.8	73.0	0.03	0.40	10.1	0.123	0.64	8.5	14	0.1	138.5	35.8
504576	0.6	0.7	1.1	43.0	0.03	0.20	9.4	0.139	0.42	9.7	12	0.1	125.2	22.1
504577	0.7	0.7	0.6	47.5	0.03	0.22	8.3	0.082	0.52	14.4	14	0.1	197.3	10.6
504578	0.7	0.7	0.7	44.5	0.03	0.26	11.9	0.094	0.58	16.3	14	0.1	192.8	14.1

Sample Number	Easting	Northing	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
504579	588980	7153752	3	0.1	3.75	39.1	119.0	1.52	0.55	0.34	148.80	9.8	14.5	8.42	25	2.96	9.6
504580	588960	7153794	3	0.1	3.42	38.5	94.5	0.90	0.60	0.24	128.00	8.5	14.0	7.20	20	3.03	9.1
504581	588056	7154215	5	0.2	4.26	45.3	125.0	1.32	0.73	0.44	235.90	8.8	14.0	9.48	29	2.51	9.1
504582	588054	7154242	3	0.1	2.54	41.2	89.0	0.90	0.65	0.40	181.60	5.1	10.5	5.94	16	1.70	6.4
504583	588049	7154269	5	0.3	5.26	46.6	125.5	1.56	0.53	0.49	231.80	8.7	15.5	7.46	27	2.39	9.5
504584	588043	7154306	5	0.5	4.22	40.7	95.0	2.82	0.38	0.42	174.70	8.6	11.5	5.98	27	3.75	8.3
504585	588041	7154367	3	0.2	2.85	41.0	54.5	0.98	0.27	0.32	140.80	5.5	10.0	9.94	20	2.04	5.5
504586	588046	7154413	3	0.2	4.01	41.4	70.5	1.36	0.33	0.37	147.00	7.4	11.0	9.66	20	2.38	7.2
504587	588050	7154439	3	0.3	1.99	35.8	57.0	1.18	0.31	0.31	52.94	3.6	12.5	4.06	16	2.00	5.3
504588	588055	7154463	4	0.2	3.38	41.9	53.5	1.04	0.36	0.31	149.30	5.6	10.5	8.00	25	2.25	7.0
504589	588059	7154487	3	0.3	3.11	40.3	80.0	1.60	0.72	0.39	196.40	7.3	8.0	12.24	26	3.07	7.9
504590	588071	7154511	4	0.4	3.06	38.8	56.5	5.78	0.33	0.36	123.50	5.8	10.5	5.72	18	2.64	6.6
504591	588076	7154535	3	0.5	4.10	40.7	100.0	5.82	0.78	0.52	181.80	8.6	11.0	9.46	26	3.32	9.1
504592	588076	7154562	2	0.3	3.14	38.0	130.0	3.16	0.65	0.54	171.70	8.0	11.5	8.04	32	2.75	7.6
504593	588080	7154585	3	0.1	2.56	36.8	208.0	1.74	0.59	0.42	126.30	9.0	14.5	6.26	33	2.98	6.6
504594	588088	7154608	2	0.1	2.81	40.2	186.0	0.80	0.91	0.37	161.70	7.3	11.5	7.86	30	2.44	7.1
504595	588105	7154629	3	0.1	3.30	38.9	206.5	0.94	0.56	0.34	123.50	11.4	19.0	4.36	45	3.40	6.8
504596	588115	7154648	2	0.1	3.41	38.5	95.5	0.50	0.31	0.34	109.40	10.7	15.5	2.26	44	2.39	5.4
504597	588136	7154669	1	0.1	2.54	37.5	172.0	0.44	1.20	0.38	47.70	2.6	9.0	0.30	5	1.70	3.0
504598	588151	7154691	6	0.1	2.86	37.0	283.0	0.82	0.53	0.31	102.50	9.0	16.5	2.38	31	2.93	6.0
504599	588165	7154707	3	0.1	1.97	30.2	67.5	0.48	0.14	0.19	18.01	4.7	25.0	2.26	22	2.68	5.7
504600	588190	7154717	2	0.1	2.84	34.9	270.0	0.58	0.29	0.60	68.50	9.8	19.0	2.06	23	3.21	5.2
504601	588229	7154758	2	0.1	1.63	31.7	154.0	1.34	0.22	0.21	48.92	6.3	14.5	0.86	11	2.52	3.4
504602	588262	7154788	2	0.1	2.38	33.8	85.5	0.56	0.16	0.19	31.76	6.1	19.0	1.38	20	3.00	4.9
504603	588165	7154707	4	0.1	3.72	37.7	170.0	0.40	0.12	0.21	44.84	13.8	28.0	1.32	23	4.34	5.7
504604	588190	7154717	3	0.1	3.30	36.4	136.5	0.30	0.08	0.21	29.35	11.1	22.5	0.68	17	3.36	4.4
504605	588229	7154758	3	0.1	2.10	31.9	75.0	0.34	0.07	0.12	21.51	6.4	19.5	0.44	12	3.24	5.0
504606	588262	7154788	2	0.1	2.18	30.5	172.0	0.48	0.08	0.12	28.69	5.2	18.5	0.84	16	4.08	6.2
504607	588212	7154995	14	3.4	2.00	31.7	70.0	45.88	0.20	0.50	238.70	6.4	5.5	5.44	6	4.91	7.9
504608	588209	7155027	3	0.1	2.74	35.1	44.5	0.50	0.08	0.20	220.40	3.8	10.5	7.56	9	2.01	9.6
504609	588190	7155040	8	0.2	3.26	38.6	69.0	2.32	0.19	0.41	168.20	5.9	14.0	4.48	22	3.08	7.6
504610	588184	7155059	3	0.1	1.86	32.8	73.0	0.54	0.11	0.18	21.34	4.1	17.5	0.74	27	2.40	4.2
504611	588169	7155087	3	0.1	3.75	36.8	150.5	0.46	0.14	0.26	37.55	13.6	26.5	1.08	22	4.27	6.1
504612	588144	7155085	4	0.1	2.90	38.6	145.0	0.42	0.21	0.18	51.62	12.3	21.5	1.54	31	3.31	5.1
504613	588121	7155076	4	0.1	3.16	38.4	73.0	0.50	0.17	0.27	157.20	4.5	10.5	6.66	12	2.29	8.8

Sample Number	Ge (ppm)	Hf (ppb)	Hg (ppb)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)
504579	5.9	0.14	40	0.13	74.5	43.9	0.42	739	0.91	0.062	11.20	13.3	641.0	92.21	25.4	0.001	0.30	0.62
504580	5.6	0.16	35	0.12	57.0	40.7	0.38	644	1.02	0.063	10.64	12.4	640.0	54.82	21.4	0.001	0.30	0.54
504581	7.2	0.26	15	0.17	135.0	35.8	0.37	752	0.94	0.133	5.48	12.9	857.0	51.71	32.7	0.001	0.22	0.48
504582	5.6	0.20	10	0.10	104.5	23.7	0.20	503	0.47	0.079	4.02	7.8	608.0	38.09	20.6	0.001	0.22	0.32
504583	6.7	0.38	30	0.11	131.0	31.5	0.35	674	1.03	0.047	7.60	13.8	829.0	65.62	22.1	0.001	0.26	0.46
504584	7.4	0.42	40	0.18	109.5	62.8	0.37	678	7.02	0.051	8.52	7.9	746.0	108.20	23.8	0.001	0.26	0.36
504585	5.5	0.18	30	0.08	76.5	25.2	0.13	364	3.53	0.099	2.98	4.9	555.0	48.78	11.1	0.001	0.24	0.36
504586	6.0	0.26	35	0.12	71.0	45.4	0.21	504	6.61	0.036	4.20	6.8	566.0	60.22	16.6	0.001	0.24	0.24
504587	4.9	0.24	110	0.06	32.5	15.1	0.15	286	11.66	0.039	4.94	5.8	847.0	39.71	6.2	0.001	0.30	0.26
504588	5.8	0.30	45	0.15	104.0	43.2	0.22	397	8.39	0.069	4.02	5.6	525.0	46.81	19.2	0.001	0.24	0.22
504589	6.4	0.24	20	0.32	120.0	76.4	0.30	695	9.24	0.226	2.94	4.0	650.0	63.32	35.6	0.001	0.24	0.32
504590	5.6	0.34	35	0.09	69.0	33.9	0.23	549	5.85	0.030	6.44	6.1	589.0	130.50	12.2	0.001	0.24	0.26
504591	6.2	0.28	35	0.17	95.0	55.9	0.33	779	7.08	0.037	6.34	9.5	778.0	149.90	21.7	0.001	0.26	0.30
504592	5.5	0.22	20	0.16	86.0	49.2	0.34	646	4.55	0.037	2.24	11.3	576.0	82.86	24.7	0.001	0.24	0.24
504593	5.4	0.06	25	0.16	75.5	36.7	0.45	594	3.06	0.039	1.92	16.3	774.0	46.19	25.5	0.001	0.24	0.36
504594	5.3	0.14	25	0.13	88.5	28.1	0.30	691	1.81	0.034	2.42	11.1	819.0	25.08	26.6	0.001	0.26	0.26
504595	5.6	0.20	60	0.11	54.5	29.6	0.48	700	2.36	0.033	3.24	24.5	838.0	38.69	14.9	0.001	0.26	0.38
504596	5.2	0.22	110	0.06	58.0	19.6	0.30	430	9.04	0.086	2.60	13.8	795.0	20.85	7.4	0.001	0.28	0.34
504597	4.5	<0.02	10	0.04	35.5	7.9	0.13	282	0.11	0.066	0.16	5.4	209.0	19.84	1.3	0.001	0.24	0.16
504598	4.8	0.08	30	0.08	59.0	28.1	0.45	615	1.15	0.035	2.72	19.5	608.0	32.04	12.2	0.001	0.24	0.40
504599	4.5	0.12	105	0.20	10.0	12.8	0.30	187	2.11	0.046	3.78	10.9	673.0	9.10	24.9	0.001	0.34	0.46
504600	5.1	0.08	35	0.06	29.0	21.7	0.44	611	0.95	0.032	3.24	22.5	457.0	45.21	7.6	0.001	0.26	0.48
504601	4.4	0.04	20	0.04	25.0	14.5	0.34	628	0.61	0.026	1.04	13.7	381.0	71.39	3.6	0.001	0.22	0.34
504602	4.9	0.12	90	0.05	15.0	15.5	0.29	386	1.70	0.031	3.92	13.4	534.0	29.85	6.1	0.001	0.28	0.50
504603	6.2	0.08	55	0.04	18.5	20.2	0.61	481	1.67	0.030	2.34	28.9	343.0	18.84	7.2	0.001	0.24	0.74
504604	5.4	0.18	60	0.03	13.0	14.5	0.45	396	1.18	0.027	1.94	26.0	331.0	13.97	4.2	0.001	0.24	0.60
504605	4.8	0.04	35	0.02	11.5	11.4	0.32	286	1.52	0.026	1.92	12.8	248.0	12.27	3.0	0.001	0.22	0.56
504606	5.1	0.06	65	0.03	15.5	12.1	0.26	275	2.09	0.028	3.90	10.9	344.0	17.81	3.9	0.001	0.24	0.76
504607	5.9	0.06	100	0.33	141.0	69.5	0.18	1619	66.21	0.058	15.50	2.0	385.0	139.10	42.4	0.002	0.32	0.36
504608	5.5	0.06	25	0.22	129.0	59.6	0.14	916	0.82	0.041	17.76	5.1	303.0	9.49	28.7	0.001	0.26	0.24
504609	6.1	0.14	55	0.13	100.5	26.2	0.27	593	7.10	0.071	11.90	10.0	584.0	39.11	18.6	0.001	0.30	0.46
504610	4.6	0.12	55	0.03	12.0	6.5	0.20	129	1.89	0.039	3.44	11.0	569.0	14.60	3.3	0.001	0.30	0.46
504611	6.3	0.10	50	0.05	19.0	20.3	0.61	627	2.42	0.031	2.92	24.0	520.0	19.04	6.3	0.001	0.26	0.72
504612	5.6	0.12	45	0.05	28.5	17.7	0.55	471	1.34	0.030	2.72	27.8	462.0	15.13	7.0	0.001	0.24	0.66
504613	5.7	0.08	40	0.25	93.5	51.3	0.20	882	1.73	0.053	11.96	5.9	389.0	18.79	36.6	0.001	0.26	0.24

Sample Number	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)	Zr (ppm)
504579	1.0	0.6	0.6	111.0	0.03	0.38	6.4	0.073	0.48	10.4	16	0.1	198.6	8.6
504580	1.0	0.6	0.7	35.0	0.03	0.18	4.3	0.070	0.36	8.3	16	0.1	150.3	10.2
504581	1.2	0.6	0.5	161.0	0.03	0.58	10.8	0.054	0.58	9.0	18	0.1	113.9	21.6
504582	0.8	0.5	0.4	105.5	0.03	0.44	8.9	0.037	0.40	6.5	16	0.1	82.1	17.9
504583	1.1	0.7	0.4	93.5	0.03	0.48	11.0	0.044	0.48	10.0	20	0.1	120.0	27.6
504584	1.1	0.6	0.4	72.0	0.03	0.54	10.6	0.039	0.70	11.1	18	0.9	149.7	30.9
504585	0.5	0.5	0.2	40.0	0.03	0.22	8.6	0.024	0.44	8.6	16	0.6	80.9	10.8
504586	0.7	0.6	0.3	44.0	0.03	0.34	9.8	0.035	0.48	7.0	18	0.6	113.4	14.9
504587	0.8	0.4	0.5	41.0	0.03	0.28	4.2	0.047	0.32	4.1	16	1.0	53.5	14.4
504588	0.8	0.6	0.3	35.0	0.03	0.28	8.3	0.042	0.56	8.3	16	1.4	88.4	16.4
504589	1.0	0.6	0.5	87.5	0.03	0.52	15.0	0.069	1.02	12.1	18	0.6	133.6	15.6
504590	0.8	0.6	0.4	22.5	0.03	0.50	7.7	0.044	0.60	8.3	16	0.7	104.9	24.8
504591	1.7	0.7	0.7	35.0	0.03	0.66	14.4	0.096	0.70	12.3	18	0.8	152.6	32.7
504592	1.7	0.6	0.5	68.5	0.03	0.50	13.3	0.067	0.94	11.1	16	0.3	116.3	19.6
504593	2.2	0.6	0.5	94.0	0.03	0.42	10.5	0.079	0.74	9.1	16	0.2	104.1	8.3
504594	1.6	0.6	0.6	115.5	0.03	0.38	9.9	0.071	0.50	7.7	16	0.2	80.3	13.0
504595	2.3	0.6	0.6	67.0	0.03	0.32	6.6	0.068	0.34	6.6	20	0.5	108.6	11.6
504596	1.5	0.6	0.4	33.5	0.03	0.22	5.3	0.046	0.22	3.3	18	3.5	80.4	11.7
504597	1.5	0.4	0.2	244.0	0.03	0.56	8.6	0.005	0.06	5.1	12	0.1	18.6	0.4
504598	2.1	0.5	0.5	92.5	0.03	0.29	5.5	0.047	0.36	4.7	18	0.1	83.3	5.7
504599	2.3	0.5	0.6	15.0	0.03	0.16	1.9	0.074	0.26	1.4	18	0.1	42.1	7.4
504600	2.4	0.5	0.7	94.5	0.03	0.28	4.6	0.056	0.16	2.5	18	0.1	102.0	3.6
504601	2.1	0.4	0.6	64.0	0.03	0.22	6.7	0.019	0.12	3.1	16	0.1	76.5	1.1
504602	1.3	0.5	0.7	19.0	0.03	0.16	3.4	0.035	0.14	1.9	18	0.1	67.0	6.6
504603	3.2	0.5	0.6	13.0	0.03	0.12	3.2	0.071	0.14	3.2	22	0.1	72.1	5.2
504604	2.3	0.4	0.4	18.5	0.03	0.12	2.7	0.042	0.10	1.2	20	0.1	66.0	7.0
504605	1.8	0.4	0.5	8.5	0.03	0.08	1.6	0.047	0.10	0.8	20	0.1	42.1	1.7
504606	1.6	0.4	0.8	183.0	0.03	0.50	2.4	0.054	0.14	1.3	22	0.1	49.6	3.5
504607	0.6	0.8	0.8	43.5	0.03	0.54	17.7	0.076	1.16	22.5	12	5.5	183.5	2.2
504608	0.6	0.6	0.4	11.5	0.03	0.12	9.7	0.042	0.76	4.8	14	0.3	121.0	2.4
504609	1.1	0.6	0.4	29.0	0.03	0.26	9.6	0.046	0.50	9.1	16	1.2	118.2	6.9
504610	1.2	0.5	0.5	16.5	0.03	0.14	2.1	0.034	0.14	2.0	18	0.1	43.3	6.5
504611	2.7	0.5	0.6	14.5	0.03	0.10	2.3	0.056	0.18	1.6	22	0.1	85.3	4.4
504612	2.5	0.5	0.4	21.0	0.03	0.16	2.4	0.064	0.20	1.8	20	0.1	70.3	5.5
504613	0.8	0.6	0.4	25.5	0.03	0.18	8.0	0.040	0.72	7.1	14	1.5	144.5	3.3

Sample Number	Easting	Northing	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
504614	588097	7155068	3	0.2	2.04	34.5	55.0	0.64	0.12	0.24	122.90	4.2	9.0	7.38	31	2.64	5.7
504615	588084	7155047	3	0.1	2.85	35.6	83.5	0.52	0.11	0.12	62.72	6.0	22.5	1.48	19	3.41	6.3
504616	588077	7155033	2	0.4	1.84	28.6	68.5	0.54	0.15	0.17	21.09	5.5	18.5	0.84	20	3.62	5.8
504617	588046	7154999	3	0.1	2.62	36.2	484.0	2.88	0.32	0.79	247.70	6.8	14.5	2.36	19	3.01	7.3
504618	588027	7154989	3	0.1	3.59	46.8	179.0	1.54	0.14	1.47	159.60	4.9	13.0	7.92	13	3.31	7.7
504619	588000	7154983	3	0.1	3.55	39.6	173.5	1.20	0.21	0.42	52.39	10.8	24.5	3.00	24	4.42	6.9
504620	587970	7154980	5	0.8	3.69	49.5	75.0	1.44	0.17	0.72	161.40	5.2	11.0	12.02	14	3.29	9.3
504621	587948	7154994	2	0.1	3.13	35.9	129.0	0.62	0.16	0.22	31.55	9.8	23.0	1.12	26	3.91	5.4
504622	587925	7154998	1	0.1	1.44	27.5	69.5	0.30	0.05	0.11	11.39	4.3	15.5	0.54	15	2.42	3.4
504623	587897	7154980	3	0.1	2.32	36.5	224.5	0.86	0.29	0.43	58.26	8.9	18.0	1.28	26	2.93	4.5
504624	587871	7154976	2	0.1	1.40	30.6	147.0	0.68	0.27	0.56	35.41	5.4	15.0	1.42	26	2.03	3.5
504625	587821	7154987	1	0.1	2.17	29.6	64.5	0.46	0.08	0.16	16.63	6.3	20.0	0.50	20	3.59	4.9
504626	587769	7154980	1	0.1	2.28	15.5	99.0	0.52	0.13	0.25	31.52	8.6	32.5	0.94	17	3.89	8.7
504627	587726	7154961	4	0.1	2.40	15.0	92.0	0.42	0.11	0.20	27.25	9.6	31.0	1.06	17	3.73	8.8
504628	587680	7154939	3	0.3	3.29	33.2	142.5	0.60	0.16	0.32	147.00	8.0	14.0	8.88	25	3.71	15.0
504629	587641	7154917	2	0.3	3.02	16.8	109.0	3.44	0.32	0.30	144.20	11.3	24.0	5.08	27	4.09	13.9
504630	587600	7154891	1	0.3	2.20	9.2	79.5	1.32	0.23	0.35	67.91	8.6	22.0	5.70	22	3.30	11.2
504631	587556	7154864	4	0.6	3.57	14.4	68.5	1.86	0.29	0.27	145.90	11.5	22.5	4.24	22	3.50	15.2
504632	587510	7154847	3	0.2	4.03	14.8	89.5	2.02	0.41	0.38	221.20	13.5	32.5	5.24	25	3.76	17.3
504633	587497	7154819	2	0.2	3.44	15.5	87.5	1.94	0.38	0.46	173.80	12.0	24.5	5.06	27	3.68	15.7
504634	587477	7154805	3	0.1	3.32	21.1	206.0	1.46	0.46	0.30	113.90	18.4	49.5	2.72	44	4.33	13.2
504635	587462	7154784	1	0.1	2.66	15.1	148.5	0.82	0.42	0.22	66.30	11.8	43.5	2.60	33	3.66	10.9
504636	587428	7154745	4	1.4	4.34	21.9	215.0	10.46	0.73	0.75	279.40	25.3	86.5	12.92	55	6.38	21.0
504637	587391	7154716	4	0.1	2.71	17.3	319.5	0.42	0.66	0.28	87.62	17.8	69.0	5.30	44	3.44	10.5
504638	587378	7154658	3	0.7	3.47	8.9	71.5	0.68	0.37	0.37	140.80	9.6	17.0	5.44	26	4.62	14.8
504639	587394	7154611	2	0.1	4.46	23.6	484.0	0.88	0.91	0.19	174.20	41.3	155.5	6.48	82	6.11	19.6
504640	587388	7154559	7	0.1	2.41	35.6	296.5	0.34	0.45	0.27	96.75	12.4	33.5	2.40	36	3.11	4.9
504641	587376	7154510	1	0.1	2.59	40.3	180.0	0.32	0.35	0.25	74.30	8.5	25.0	0.98	18	2.45	4.8
504642	587364	7154456	3	0.1	3.37	43.4	338.0	0.70	0.85	0.36	258.50	12.9	32.0	3.42	34	3.12	7.9
504643	587359	7154404	5	0.1	4.09	43.7	382.0	0.60	0.67	0.38	190.80	13.8	32.0	5.94	49	3.11	7.8
504644	587352	7154354	2	0.1	1.85	37.0	121.5	0.68	0.53	0.30	203.80	6.1	13.0	2.28	15	1.95	5.6
504645	587323	7154307	3	0.1	2.53	37.5	149.0	0.50	0.77	0.24	136.50	13.7	34.0	3.62	51	3.01	6.4
504646	587289	7154272	2	0.1	2.97	38.6	241.0	0.54	0.82	0.22	172.80	12.2	29.5	2.96	40	3.04	7.1
504647	587259	7154229	5	0.2	4.73	42.0	213.5	1.08	0.33	0.19	250.30	16.6	40.0	4.82	70	5.36	10.5
504648	587232	7154186	3	0.1	3.02	39.6	695.0	0.54	0.65	0.24	102.30	13.6	33.5	2.74	35	3.27	6.4

Sample Number	Ge (ppm)	Hf (ppb)	Hg (ppb)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)
504614	5.1	0.04	20	0.16	56.0	36.4	0.15	684	1.94	0.076	11.24	4.6	331.0	25.32	22.2	0.001	0.24	0.18
504615	5.5	0.06	60	0.04	38.0	18.9	0.47	252	3.63	0.028	5.96	15.4	486.0	19.48	6.7	0.001	0.26	0.56
504616	4.8	0.10	80	0.03	11.5	10.8	0.27	278	2.34	0.029	3.90	13.1	489.0	16.77	3.6	0.001	0.28	0.32
504617	5.2	0.04	45	0.07	144.5	28.6	0.38	847	1.98	0.031	1.58	13.5	577.0	115.80	10.3	0.001	0.24	0.74
504618	5.3	0.11	45	0.19	92.5	98.7	0.33	1203	9.82	0.034	12.72	9.0	548.0	119.70	21.6	0.001	0.26	1.44
504619	6.2	0.12	45	0.06	28.0	28.6	0.58	560	3.03	0.062	4.16	24.7	602.0	65.44	7.4	0.001	0.28	0.82
504620	6.0	0.06	65	0.25	95.5	94.9	0.25	1084	4.67	0.060	10.14	7.1	407.0	111.60	30.5	0.001	0.26	0.90
504621	5.7	0.14	50	0.03	15.5	20.0	0.46	376	1.96	0.029	3.66	24.9	542.0	23.38	3.8	0.001	0.26	0.34
504622	4.0	0.06	30	0.02	6.0	9.6	0.25	183	1.35	0.026	1.62	10.3	326.0	9.32	2.7	0.001	0.26	0.12
504623	4.7	0.08	30	0.04	28.5	20.8	0.45	538	1.39	0.033	3.26	20.6	696.0	34.86	5.3	0.001	0.24	0.62
504624	3.9	0.08	105	0.03	20.5	6.9	0.22	217	1.59	0.043	2.10	12.3	630.0	22.79	4.0	0.001	0.32	0.44
504625	4.6	0.08	45	0.02	8.5	12.6	0.35	288	1.93	0.026	2.74	14.2	370.0	14.02	3.2	0.001	0.26	0.28
504626	9.3	0.08	55	0.03	15.5	23.7	0.43	463	1.93	0.032	3.12	19.7	476.0	53.66	4.9	0.001	0.08	0.78
504627	9.1	0.08	55	0.04	13.5	21.6	0.46	438	2.18	0.030	3.02	21.3	430.0	21.66	5.4	0.001	0.08	0.76
504628	10.9	0.14	60	0.20	83.5	66.2	0.40	922	14.36	0.042	9.18	12.9	728.0	53.96	26.6	0.004	0.10	1.30
504629	12.6	0.14	40	0.10	75.0	44.6	0.55	754	12.24	0.036	4.84	20.2	733.0	88.35	15.0	0.001	0.10	0.64
504630	9.4	0.12	80	0.09	37.5	15.4	0.35	917	16.19	0.047	7.08	14.8	1038.0	86.00	13.1	0.002	0.20	0.68
504631	11.0	0.34	60	0.08	69.0	35.4	0.48	1105	9.13	0.040	13.12	19.4	1133.0	113.30	12.7	0.002	0.16	0.62
504632	11.9	0.32	35	0.12	110.5	57.6	0.72	996	8.89	0.038	14.24	34.0	946.0	109.70	17.8	0.002	0.12	0.52
504633	11.7	0.34	50	0.08	88.5	45.7	0.52	881	9.69	0.040	12.30	25.9	858.0	96.68	13.3	0.002	0.14	0.62
504634	12.5	0.14	40	0.11	57.0	48.6	0.95	798	4.23	0.047	6.82	63.1	932.0	85.38	14.4	0.001	0.10	0.76
504635	10.5	0.14	60	0.09	33.0	34.1	0.65	462	2.45	0.042	6.78	42.0	901.0	54.77	11.3	0.001	0.14	0.70
504636	19.3	0.12	25	0.36	159.0	91.8	1.69	1458	16.45	0.074	9.26	91.0	1326.0	783.00	40.3	0.003	0.24	0.80
504637	10.8	0.26	30	0.22	50.0	44.5	1.14	603	1.34	0.061	5.26	72.6	1245.0	31.56	22.6	0.001	0.12	0.60
504638	14.0	0.48	25	0.28	75.0	61.4	0.54	1041	2.08	0.088	16.46	17.5	767.0	77.19	28.3	0.001	0.26	0.30
504639	18.6	0.08	25	0.31	106.5	96.6	2.84	1313	3.47	0.079	4.96	169.9	1411.0	65.45	34.5	0.001	0.18	0.68
504640	6.4	0.08	20	0.13	57.0	25.6	0.84	535	0.86	0.035	1.36	46.3	639.0	21.53	15.5	0.001	0.20	0.44
504641	5.5	0.04	20	0.06	43.5	22.6	0.58	400	0.72	0.037	2.66	28.7	468.0	27.61	4.9	0.001	0.24	0.80
504642	5.7	0.10	15	0.17	166.5	42.1	0.87	652	0.91	0.059	2.44	45.9	765.0	49.44	20.3	0.001	0.26	0.54
504643	6.2	0.24	20	0.21	88.0	43.0	0.78	731	0.90	0.050	4.88	53.6	1130.0	39.44	23.9	0.001	0.26	0.66
504644	4.7	0.06	10	0.10	130.0	23.2	0.33	435	0.54	0.031	0.76	16.4	399.0	46.37	13.5	0.001	0.22	0.48
504645	5.2	0.10	10	0.20	71.0	38.3	0.81	625	0.96	0.054	2.96	60.5	867.0	37.20	21.9	0.001	0.26	0.30
504646	5.7	0.06	15	0.16	130.5	45.2	0.82	572	0.91	0.042	2.06	45.6	707.0	31.20	22.5	0.001	0.26	0.34
504647	7.4	0.28	105	0.10	145.5	33.3	0.91	636	7.34	0.051	6.88	59.3	2282.0	73.38	12.6	0.001	0.44	0.62
504648	5.8	0.18	40	0.17	65.5	36.6	0.83	570	1.52	0.044	5.18	45.7	529.0	38.62	14.2	0.001	0.26	0.46

Sample Number	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)	Zr (ppm)
504614	0.6	0.5	0.2	17.0	0.03	0.20	12.2	0.034	0.44	14.7	12	0.6	139.4	2.3
504615	1.9	0.5	0.5	33.0	0.03	0.18	3.3	0.051	0.24	3.5	20	0.5	66.0	3.2
504616	1.6	0.4	0.9	55.0	0.03	0.22	1.6	0.058	0.12	1.6	20	0.1	57.9	4.8
504617	2.4	0.6	0.5	1464.0	0.03	3.54	11.1	0.017	0.46	17.2	16	0.1	210.1	1.5
504618	1.1	0.6	0.5	340.5	0.03	1.00	7.6	0.037	0.78	9.6	16	0.9	408.4	8.3
504619	2.5	0.5	0.7	98.5	0.03	0.38	3.4	0.070	0.44	3.3	22	0.3	125.2	5.3
504620	1.3	0.7	0.7	50.0	0.03	0.42	9.6	0.056	0.92	22.0	16	0.6	203.4	2.9
504621	2.3	0.5	0.6	63.5	0.03	0.28	3.0	0.068	0.18	2.1	22	0.1	79.4	6.9
504622	1.3	0.4	0.3	24.0	0.03	0.10	1.1	0.025	0.08	1.3	16	0.1	39.8	2.7
504623	2.0	0.5	0.5	140.5	0.03	0.42	4.5	0.051	0.24	5.3	18	0.2	105.2	5.1
504624	1.4	0.4	0.7	72.0	0.03	0.26	2.0	0.037	0.14	10.7	16	0.1	53.6	5.0
504625	1.9	0.4	0.6	12.5	0.03	0.10	1.4	0.053	0.10	0.9	20	0.1	57.8	4.1
504626	2.2	0.8	0.6	19.0	0.03	0.08	6.6	0.031	0.22	1.5	68	0.1	90.7	3.8
504627	2.3	0.7	0.6	18.5	0.03	0.08	4.4	0.032	0.18	1.3	70	0.1	81.7	3.2
504628	2.1	1.7	0.5	42.0	0.03	0.28	17.6	0.038	1.18	7.4	48	1.3	183.2	5.4
504629	3.0	1.7	0.5	38.5	0.03	0.34	20.7	0.034	0.90	14.4	58	0.3	142.1	7.8
504630	1.2	0.7	0.6	34.0	0.03	0.14	5.8	0.027	0.50	6.2	54	0.7	98.5	6.9
504631	1.9	1.6	0.4	24.5	0.03	0.22	19.7	0.039	0.64	12.8	48	0.7	156.1	19.4
504632	1.7	1.7	0.4	31.5	0.03	0.26	22.0	0.040	0.90	13.2	48	0.7	225.5	20.9
504633	1.7	1.7	0.4	34.0	0.03	0.24	18.6	0.036	0.78	11.6	48	0.8	200.5	20.4
504634	3.1	1.3	0.6	43.5	0.03	0.14	13.3	0.043	0.50	7.0	72	0.2	154.6	7.8
504635	1.6	1.1	0.6	35.0	0.03	0.10	4.7	0.031	0.34	3.8	70	0.1	104.5	8.3
504636	3.5	2.8	0.5	179.0	0.03	0.80	29.7	0.083	1.20	17.4	72	0.6	540.7	9.9
504637	2.9	1.1	0.4	81.0	0.03	0.10	17.3	0.092	0.42	4.4	66	0.1	125.0	13.5
504638	1.1	2.0	0.3	31.0	0.03	0.22	17.8	0.041	0.40	15.5	26	0.1	180.1	42.7
504639	6.1	1.6	0.6	136.0	0.03	0.14	21.1	0.091	0.96	13.8	112	0.1	151.1	4.5
504640	1.8	0.5	0.4	73.0	0.03	0.22	5.6	0.054	0.26	3.7	18	0.1	78.9	4.3
504641	1.2	0.5	0.4	122.0	0.03	0.42	8.4	0.025	0.18	2.9	18	0.1	60.8	2.8
504642	1.8	0.6	0.6	398.5	0.03	1.06	12.1	0.061	0.36	7.4	20	0.1	104.6	6.5
504643	1.7	0.6	0.5	244.0	0.03	0.74	8.7	0.076	0.40	5.1	20	0.1	105.2	12.4
504644	1.8	0.5	0.4	218.0	0.03	0.60	9.3	0.015	0.36	6.2	14	0.1	63.0	3.2
504645	1.7	0.5	0.6	97.0	0.03	0.32	9.0	0.079	0.36	5.0	18	0.1	88.6	6.7
504646	2.0	0.6	0.6	228.5	0.03	0.58	8.6	0.043	0.44	7.5	18	0.1	98.0	2.9
504647	2.1	0.6	0.9	57.0	0.03	0.36	6.8	0.081	0.46	10.8	24	0.3	89.3	14.5
504648	1.7	0.5	0.6	723.5	0.03	1.76	3.3	0.085	0.30	3.1	20	0.2	87.9	11.3

Sample Number	Easting	Northing	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
504649	589647	7154357	3	0.1	2.99	40.9	110.0	0.84	0.64	0.37	122.30	11.4	13.5	4.54	37	3.24	7.2
504650	589610	7154392	3	0.3	3.14	41.6	157.0	1.12	0.68	0.91	151.20	12.2	14.0	5.86	32	3.37	8.4
504651	589589	7154438	7	0.2	5.10	53.1	189.5	1.14	0.47	0.53	229.90	19.7	27.5	7.02	61	5.28	11.6
504652	589552	7154477	3	0.1	2.82	38.2	353.0	0.42	0.25	0.27	49.77	10.8	19.0	3.00	23	3.20	5.1
504653	589533	7154523	3	0.1	2.94	35.5	107.0	0.50	0.19	0.20	32.72	11.8	21.0	1.12	21	3.60	5.3
504654	589510	7154567	4	0.1	2.64	35.0	78.5	1.70	0.30	0.33	41.96	6.9	15.5	2.08	18	3.08	5.0
504655	589499	7154593	3	0.1	2.69	35.4	111.5	1.02	0.17	0.12	35.63	7.1	20.0	0.92	18	3.38	5.3
504656	589490	7154615	2	0.1	2.26	33.6	113.0	0.40	0.17	0.09	30.96	7.1	17.5	0.72	19	2.72	4.1
504657	589480	7154640	4	0.1	2.70	39.9	131.0	1.04	0.33	0.16	53.05	10.1	18.5	1.20	23	3.71	5.7
504658	589460	7154657	3	0.1	2.71	37.6	149.5	0.94	0.21	0.12	53.52	8.8	18.5	0.72	22	3.11	4.5
504659	589440	7154671	5	0.1	2.41	36.2	49.0	0.76	0.13	0.22	83.33	3.1	12.5	2.56	10	2.36	7.6
504660	589417	7154680	4	0.5	4.93	43.6	64.0	1.52	0.20	0.29	158.20	6.0	16.5	4.40	16	2.61	9.9
504661	589401	7154704	2	0.1	2.18	33.9	123.5	0.76	0.12	0.29	48.76	4.8	18.5	1.50	15	3.13	5.5
504662	589381	7154736	3	0.2	3.71	40.4	34.5	0.76	0.16	0.34	214.40	4.2	10.0	5.18	11	1.92	8.5
504663	589354	7154740	3	0.2	4.27	40.0	24.5	0.96	0.33	0.56	294.00	5.3	10.5	2.82	8	2.81	10.5
504664	589329	7154740	4	0.1	3.31	38.3	74.0	0.68	0.13	0.23	92.26	7.0	21.5	2.24	21	3.83	7.5
504665	589302	7154737	2	0.3	5.13	45.7	29.0	0.28	0.22	0.22	155.40	2.8	11.0	2.60	4	2.04	9.0
504666	589277	7154743	3	0.1	4.34	38.6	198.0	0.40	0.17	0.31	30.50	17.1	29.0	0.84	33	4.36	5.6
504667	589253	7154739	3	0.1	4.05	39.9	99.0	0.84	0.16	0.20	273.90	19.2	21.5	3.78	39	3.59	10.7
504668	589227	7154736	3	0.1	4.02	37.1	75.5	0.54	0.21	0.18	136.20	8.7	20.5	3.86	22	3.14	8.0
504669	589209	7154719	3	0.1	4.97	41.9	97.5	0.58	0.19	0.20	216.50	11.2	23.5	3.44	30	3.41	9.8
504670	589191	7154693	3	0.1	5.17	41.7	86.0	0.54	0.18	0.24	161.70	12.0	24.5	3.86	30	3.76	9.7
504671	589176	7154672	3	0.1	4.25	40.9	88.5	0.56	0.26	0.15	157.10	10.6	24.5	3.40	27	3.34	8.9
504672	589159	7154649	3	0.1	7.05	47.9	75.0	0.74	0.46	0.33	539.30	9.8	17.0	7.14	23	2.67	15.1
504673	589131	7154634	3	0.1	4.87	42.4	80.0	0.62	0.27	0.28	315.60	10.9	19.0	4.66	27	2.78	10.2
504674	589095	7154621	3	0.1	4.27	45.5	129.0	0.66	0.69	0.42	328.70	11.3	16.5	9.58	31	3.31	10.4
504675	589069	7154607	4	0.1	3.87	44.1	151.0	0.74	0.66	1.26	334.80	4.7	10.5	3.26	12	2.39	8.4
504676	589035	7154607	4	0.2	5.30	44.4	151.0	0.92	0.60	0.97	301.50	9.7	16.0	12.26	18	3.61	11.0
504677	588990	7154589	3	0.1	6.08	46.0	116.5	0.62	0.36	0.46	237.50	9.1	17.5	8.48	21	3.22	11.6
504678	588845	7154494	2	0.1	3.05	43.6	70.0	0.92	1.10	0.42	345.30	5.2	7.0	6.20	13	1.86	9.1
504679	588804	7154460	2	0.2	4.51	49.1	81.5	1.14	1.14	0.47	567.60	7.7	9.0	6.80	18	2.32	13.6
504680	588697	7154466	3	0.1	5.02	44.2	80.0	0.72	0.39	0.36	360.60	10.5	17.0	4.42	25	2.61	11.9
504731	584526	7154070	5	0.2	4.79	58.1	459.5	0.90	0.96	1.52	116.40	55.5	183.5	8.26	100	6.49	9.5
504732	585384	7154478	5	0.1	4.12	40.0	513.5	0.60	0.83	0.59	219.00	21.1	65.5	11.36	54	3.79	10.3
504733	585390	7154264	4	0.2	4.08	39.0	347.0	0.58	0.75	0.42	183.00	16.3	59.0	9.90	46	3.30	9.8

Sample Number	Ge (ppm)	Hf (ppb)	Hg (ppb)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)
504649	5.7	0.14	25	0.08	52.0	25.3	0.35	744	1.39	0.037	5.22	15.7	623.0	46.29	13.9	0.001	0.24	0.54
504650	5.8	0.14	45	0.08	81.5	25.5	0.37	1260	2.43	0.059	6.02	14.9	728.0	75.27	11.8	0.001	0.32	0.82
504651	7.8	0.22	50	0.11	192.0	40.3	0.85	1121	5.35	0.039	4.56	34.7	915.0	74.71	17.2	0.001	0.30	0.96
504652	5.6	0.10	40	0.06	24.0	17.5	0.45	453	1.08	0.033	3.02	22.3	425.0	18.70	8.3	0.001	0.26	0.68
504653	5.6	0.18	40	0.04	15.5	18.2	0.45	407	1.44	0.031	3.34	21.4	377.0	20.13	6.2	0.001	0.24	0.56
504654	5.2	0.34	65	0.04	19.5	14.1	0.22	314	1.70	0.037	4.22	12.4	551.0	35.07	5.2	0.001	0.28	0.38
504655	5.3	0.14	50	0.03	19.0	14.9	0.40	354	1.54	0.036	2.74	14.9	622.0	22.65	4.2	0.001	0.26	0.26
504656	4.6	0.06	35	0.04	17.5	11.6	0.42	319	1.33	0.031	1.60	14.7	438.0	14.80	3.7	0.001	0.24	0.44
504657	5.5	0.08	50	0.05	31.5	15.2	0.43	520	1.66	0.044	3.00	19.9	749.0	30.83	5.3	0.001	0.26	0.58
504658	5.3	0.06	30	0.04	30.5	13.8	0.45	472	1.32	0.033	1.90	18.5	454.0	26.26	4.4	0.001	0.24	0.50
504659	5.2	0.10	45	0.09	47.5	29.0	0.14	449	2.31	0.041	14.94	5.5	418.0	41.81	11.9	0.001	0.28	0.38
504660	6.4	0.34	50	0.10	85.0	32.2	0.27	498	4.13	0.101	12.44	10.6	697.0	73.12	13.5	0.001	0.30	0.36
504661	5.3	0.10	95	0.04	33.0	11.8	0.26	179	3.87	0.035	3.62	11.3	632.0	30.14	6.0	0.001	0.28	0.36
504662	5.5	0.12	20	0.10	138.5	24.2	0.10	489	2.02	0.053	11.82	3.9	404.0	22.15	13.8	0.001	0.26	0.22
504663	6.6	0.18	30	0.07	174.5	17.5	0.08	545	1.74	0.078	6.62	2.9	513.0	41.81	9.5	0.001	0.34	0.22
504664	6.2	0.12	65	0.05	58.0	25.2	0.47	291	5.04	0.031	6.10	16.9	481.0	55.50	9.2	0.001	0.28	0.66
504665	6.6	0.24	10	0.25	77.5	40.2	0.11	570	1.50	0.395	8.42	1.5	354.0	15.23	19.3	0.001	0.34	0.08
504666	6.1	0.20	55	0.05	15.5	22.7	0.78	548	1.99	0.033	2.90	32.2	488.0	15.47	6.6	0.001	0.26	0.78
504667	6.1	0.22	60	0.07	176.0	17.8	0.54	1066	2.44	0.035	4.38	20.3	1012.0	48.43	9.2	0.001	0.30	0.54
504668	5.7	0.30	65	0.06	89.5	22.9	0.41	442	1.49	0.037	4.40	16.8	793.0	25.27	9.2	0.001	0.30	0.46
504669	6.4	0.20	40	0.07	130.5	25.4	0.61	475	2.11	0.054	4.30	22.5	814.0	30.35	10.6	0.001	0.30	0.74
504670	6.5	0.24	60	0.06	96.5	26.1	0.64	608	2.66	0.038	4.12	23.3	923.0	29.95	9.5	0.001	0.32	0.66
504671	6.0	0.20	45	0.06	106.5	28.0	0.63	321	2.34	0.035	4.40	23.4	732.0	31.86	10.7	0.001	0.30	0.52
504672	7.2	0.38	30	0.17	325.5	54.0	0.48	748	1.18	0.217	10.10	13.7	836.0	44.50	19.3	0.001	0.30	0.40
504673	6.4	0.24	40	0.07	185.5	35.5	0.52	678	1.70	0.040	4.68	18.2	801.0	34.04	10.3	0.001	0.30	0.56
504674	6.8	0.26	35	0.12	188.0	42.1	0.50	854	1.86	0.061	7.56	17.4	751.0	42.14	16.1	0.001	0.28	0.68
504675	5.7	0.10	40	0.10	192.0	28.1	0.25	899	0.40	0.043	2.84	6.3	538.0	118.70	9.3	0.001	0.26	2.00
504676	6.7	0.54	65	0.12	156.0	42.1	0.43	1224	1.14	0.047	8.80	13.2	868.0	126.00	16.4	0.001	0.30	0.74
504677	6.7	0.24	30	0.13	115.0	53.3	0.45	685	1.78	0.050	5.76	15.6	790.0	39.72	23.3	0.001	0.30	0.82
504678	6.3	0.22	15	0.45	209.0	50.5	0.21	701	0.33	0.890	2.38	2.6	368.0	69.65	30.0	0.001	0.26	0.34
504679	7.2	0.44	15	0.22	344.5	62.7	0.32	903	0.56	0.267	9.40	5.2	574.0	68.42	24.0	0.001	0.26	0.36
504680	6.9	0.26	30	0.11	194.5	35.8	0.48	648	2.05	0.146	7.04	16.0	687.0	35.60	12.5	0.001	0.30	0.44
504731	8.0	0.16	50	0.19	72.0	78.3	4.63	1321	4.37	0.054	4.30	276.0	1803.0	49.29	22.1	0.002	0.34	0.86
504732	6.7	0.30	30	0.67	130.5	65.1	1.62	819	1.04	0.253	6.68	96.8	1109.0	69.17	61.3	0.001	0.28	0.48
504733	6.4	0.44	25	0.43	108.0	59.1	1.32	477	1.20	0.078	8.16	82.2	1167.0	47.37	44.2	0.001	0.36	0.40

Sample Number	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)	Zr (ppm)
504649	1.5	0.6	0.7	45.5	0.03	0.20	8.2	0.075	0.30	10.1	18	0.1	119.7	10.4
504650	1.0	0.6	0.9	185.5	0.03	0.58	4.0	0.039	0.40	8.4	18	0.2	188.0	8.0
504651	3.7	0.8	0.8	76.5	0.03	0.38	9.0	0.065	0.42	63.5	24	0.2	190.9	10.6
504652	2.2	0.5	0.5	102.5	0.03	0.34	4.5	0.077	0.16	2.6	18	0.1	67.1	6.3
504653	2.5	0.5	0.5	19.5	0.03	0.16	3.8	0.083	0.16	2.0	20	0.1	59.9	12.4
504654	1.6	0.5	0.6	40.0	0.03	0.34	4.9	0.071	0.18	2.8	18	0.2	52.8	22.1
504655	2.0	0.4	0.5	27.0	0.03	0.18	2.8	0.062	0.18	2.8	20	0.1	65.3	7.0
504656	1.9	0.5	0.3	58.0	0.03	0.20	2.5	0.027	0.14	4.5	16	0.1	48.7	2.8
504657	1.8	0.5	0.5	118.0	0.03	0.36	3.3	0.036	0.16	5.8	18	0.3	71.3	4.8
504658	2.4	0.5	0.4	50.0	0.03	0.20	4.4	0.028	0.14	5.9	18	0.1	59.3	3.7
504659	0.7	0.5	0.6	14.5	0.03	0.20	5.5	0.049	0.34	8.5	18	0.2	80.3	5.4
504660	1.2	0.7	0.3	23.0	0.03	0.32	10.0	0.048	0.42	9.2	20	0.1	156.1	27.5
504661	1.4	0.4	0.6	37.5	0.03	0.20	3.0	0.049	0.22	2.4	20	0.2	50.9	5.5
504662	0.6	0.6	0.2	12.0	0.03	0.20	12.5	0.032	0.54	10.0	16	0.6	93.3	5.9
504663	0.7	0.7	0.2	11.0	0.03	0.26	21.7	0.038	0.36	12.2	16	0.2	97.9	8.1
504664	1.9	0.6	0.5	17.5	0.03	0.16	6.3	0.058	0.42	5.9	20	0.2	111.8	5.5
504665	0.5	0.7	0.1	35.0	0.03	0.46	16.4	0.025	0.50	5.0	18	0.2	109.0	23.4
504666	3.5	0.5	0.6	17.0	0.03	0.14	2.4	0.071	0.18	1.4	22	0.1	89.0	9.8
504667	2.4	0.8	0.6	53.0	0.03	0.30	10.3	0.053	0.32	11.8	20	0.1	86.7	10.4
504668	1.8	0.6	0.7	23.0	0.03	0.22	7.1	0.073	0.26	7.7	20	0.1	89.4	15.3
504669	2.5	0.7	0.4	41.5	0.03	0.24	8.5	0.066	0.32	12.3	22	0.1	90.7	10.6
504670	2.4	0.7	0.5	21.0	0.03	0.20	7.2	0.077	0.34	11.1	22	0.1	115.5	12.4
504671	2.4	0.6	0.5	30.5	0.03	0.20	5.9	0.073	0.24	12.5	22	0.1	104.8	10.3
504672	1.5	1.0	0.5	71.5	0.03	0.44	25.7	0.064	0.50	15.8	20	0.1	155.7	24.5
504673	1.9	0.8	0.4	43.5	0.03	0.28	13.4	0.057	0.32	11.1	20	0.1	121.8	12.4
504674	1.8	0.7	0.8	225.0	0.03	0.70	13.5	0.069	0.36	12.1	20	0.2	143.0	15.6
504675	0.9	0.7	0.5	632.0	0.03	1.60	11.2	0.003	0.40	13.3	16	0.1	202.0	10.3
504676	1.5	0.7	0.9	333.0	0.03	1.06	22.6	0.033	0.40	12.2	20	0.2	240.8	31.3
504677	1.5	0.7	0.6	91.5	0.03	0.38	12.7	0.058	0.48	5.2	20	0.3	117.7	12.7
504678	0.5	0.7	0.6	447.0	0.03	1.24	20.7	0.044	0.52	14.7	14	0.1	152.0	15.8
504679	0.7	0.9	0.9	280.5	0.03	0.94	25.7	0.068	0.54	20.0	18	0.1	155.3	30.5
504680	1.5	0.8	0.4	62.5	0.03	0.32	16.3	0.054	0.36	11.3	18	0.1	123.6	16.1
504731	3.9	0.9	0.5	151.0	0.03	0.44	4.3	0.101	0.60	8.4	26	0.1	206.2	7.3
504732	2.8	0.7	0.5	193.0	0.03	0.58	11.3	0.211	0.88	10.1	20	0.1	170.9	21.7
504733	2.4	0.6	0.4	95.5	0.03	0.42	9.6	0.184	0.72	7.8	20	0.1	153.0	28.2

Sample Number	Easting	Northing	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
504734	585312	7154082	6	0.1	3.91	44.0	418.5	0.94	0.69	0.37	86.84	43.2	139.0	6.30	70	5.57	8.5
504735	585487	7154154	4	0.2	4.84	47.3	227.5	1.22	0.51	0.51	234.00	32.2	45.0	8.00	89	4.04	11.2
504736	583044	7155094	9	0.1	3.30	51.5	461.5	0.96	1.25	1.14	71.94	31.9	100.5	8.74	77	4.99	7.4
504738	584358	7156177	7	0.1	3.47	43.8	452.0	0.46	1.09	0.43	62.74	30.2	117.5	6.50	56	4.70	6.7
504739	583848	7156111	7	0.1	3.28	37.8	540.5	0.72	1.86	0.74	44.42	30.4	96.0	14.46	77	4.63	6.5
504740	585802	7157496	5	0.1	4.18	39.7	279.5	0.60	0.97	0.41	58.96	44.3	135.0	16.62	102	7.58	9.9
504741	586397	7157788	2	0.1	1.36	47.4	353.0	0.46	0.56	0.48	49.70	15.3	39.5	3.22	49	3.69	3.8
504742	587114	7157861	5	0.2	2.39	59.7	605.0	0.74	0.78	0.62	64.91	24.0	67.0	5.88	69	5.03	6.0
504743	586404	7156268	2	0.1	1.86	38.4	187.0	1.14	0.59	0.45	183.50	8.6	20.5	4.42	25	2.47	6.3
504744	587914	7156527	1	0.2	0.71	27.8	246.5	0.28	0.41	0.22	67.28	2.7	6.0	0.70	7	1.17	2.4
504745	588032	7156662	1	0.1	0.75	27.8	236.0	0.24	0.36	0.19	66.13	2.4	6.0	0.94	7	1.01	2.5
504746	588740	7159284	2	0.1	2.61	34.0	118.5	1.00	0.65	0.39	169.00	6.1	17.0	8.28	16	2.33	7.5
504747	588050	7158248	1	0.1	0.94	31.6	133.5	0.20	0.39	0.19	54.21	2.8	6.5	1.52	7	0.96	3.1
504748	588513	7160538	3	0.1	3.06	35.5	233.5	0.70	0.47	0.51	75.94	24.8	49.0	4.88	68	5.25	6.8
504749	587820	7161296	25	0.1	2.22	33.5	176.0	0.66	0.57	0.32	57.76	20.2	37.5	1.78	48	4.86	5.4
504750	588469	7161521	1	0.1	2.64	28.3	178.0	0.52	0.40	0.22	34.47	26.1	46.5	1.26	53	6.69	4.1
576601	589804	7158268	5	0.5	4.60	41.2	81.0	3.64	0.85	1.32	271.90	9.3	9.0	12.92	32	5.62	12.5
576602	590321	7158222	1	0.1	3.52	40.7	70.0	1.40	0.54	0.39	156.30	3.6	10.0	8.56	9	2.11	8.7
576603	590510	7159150	5	0.1	4.36	41.4	561.5	0.68	0.84	0.55	145.20	36.3	97.5	11.60	85	4.87	10.0
576604	590528	7159886	1	0.1	3.74	28.8	107.5	0.98	0.07	0.35	68.31	78.9	32.0	1.10	78	7.56	6.2
576605	591027	7159000	5	0.1	4.73	40.9	404.5	0.64	0.73	0.49	129.20	42.0	94.0	12.60	102	5.53	10.1
576606	592674	7159916	1	0.1	3.54	34.5	119.5	0.62	0.16	0.30	76.33	33.0	73.0	0.98	63	7.27	7.0
576607	594053	7158700	3	0.1	3.95	43.2	71.5	0.88	0.50	0.71	113.30	16.0	31.0	7.56	50	3.23	8.7
576608	592710	7157834	4	0.3	5.30	44.7	134.5	1.06	0.64	0.58	179.40	8.0	14.5	8.10	24	2.68	11.1
576609	593957	7157303	2	0.1	2.39	39.6	55.5	0.84	0.62	1.39	225.50	7.6	10.5	6.20	27	2.40	7.6
576610	587396	7154661	2	0.1	1.92	34.5	134.5	1.06	1.05	0.62	170.40	15.1	37.0	5.04	47	3.33	7.0

Sample Number	Ge (ppm)	Hf (ppb)	Hg (ppb)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (ppm)	Pb (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)
504734	7.1	0.10	40	0.26	49.5	64.4	4.00	993	2.01	0.064	2.80	228.5	1123.0	46.06	27.4	0.001	0.30	0.36
504735	7.0	0.20	80	0.19	152.5	52.2	1.07	1008	4.82	0.055	6.64	63.6	1162.0	106.80	25.6	0.001	0.36	0.90
504736	6.4	0.10	45	0.27	38.0	50.1	2.34	734	3.21	0.074	5.86	121.8	2283.0	29.57	30.1	0.001	0.32	0.64
504738	6.1	0.08	25	0.23	30.5	37.4	2.61	579	4.81	0.056	3.68	129.9	2074.0	12.16	24.6	0.001	0.32	0.40
504739	5.8	0.10	85	0.25	25.5	36.7	2.76	618	2.18	0.072	6.74	164.8	2529.0	16.62	38.6	0.001	0.36	0.48
504740	7.9	0.06	30	0.81	40.0	43.4	3.82	845	4.26	0.056	1.66	177.9	1090.0	40.71	111.5	0.001	0.34	0.22
504741	4.3	0.04	90	0.21	29.5	18.7	0.96	598	1.89	0.043	0.72	56.7	943.0	30.79	26.0	0.001	0.26	0.48
504742	5.8	0.08	60	0.32	41.0	37.4	1.67	750	2.52	0.050	3.24	86.7	1206.0	43.09	40.5	0.001	0.30	0.58
504743	4.8	0.14	30	0.15	121.5	36.5	0.51	668	1.37	0.075	4.54	26.2	544.0	80.06	18.0	0.001	0.26	0.52
504744	3.1	0.02	15	0.04	33.0	7.0	0.09	483	0.33	0.030	0.26	4.1	212.0	23.67	3.7	0.001	0.22	0.12
504745	3.0	0.02	10	0.04	29.0	7.7	0.09	426	0.39	0.031	0.30	3.6	207.0	19.35	4.9	0.001	0.22	0.18
504746	5.3	0.10	5	0.35	93.5	55.6	0.44	696	2.60	0.548	2.88	18.0	455.0	45.05	34.8	0.001	0.26	0.18
504747	3.6	0.08	5	0.08	28.5	12.9	0.09	347	0.42	0.105	0.82	3.8	238.0	11.77	7.3	0.001	0.22	0.06
504748	6.4	0.08	35	0.16	39.5	63.9	1.41	1046	2.27	0.044	2.12	78.1	948.0	19.77	19.3	0.001	0.28	0.38
504749	5.6	0.10	40	0.08	32.5	43.8	0.94	1072	1.69	0.042	2.00	49.5	864.0	26.88	7.8	0.001	0.26	0.68
504750	5.2	0.04	30	0.04	15.5	49.4	1.21	1177	0.93	0.025	0.62	59.8	924.0	22.56	3.8	0.001	0.25	0.66
576601	8.4	0.10	30	0.55	170.0	138.6	0.35	1716	13.60	0.439	3.34	5.7	686.0	162.50	69.2	0.002	0.42	0.18
576602	6.6	0.12	10	0.54	80.5	67.4	0.15	824	4.00	1.026	1.54	4.7	334.0	66.62	42.2	0.001	0.34	0.06
576603	7.4	0.14	25	0.75	88.5	94.4	2.67	1086	3.09	0.118	4.22	192.1	1194.0	37.72	74.0	0.001	0.28	0.14
576604	7.2	0.04	20	0.02	28.0	97.2	1.30	3589	0.69	0.027	0.52	92.9	768.0	37.93	1.7	0.001	0.26	0.36
576605	7.6	0.12	35	0.72	80.5	77.9	3.02	1177	5.64	0.100	3.06	209.5	1372.0	35.01	67.1	0.001	0.30	0.14
576606	7.4	0.04	15	0.02	32.5	87.6	1.74	1458	0.77	0.025	0.52	99.6	689.0	20.22	1.9	0.001	0.24	0.16
576607	6.0	0.22	45	0.14	65.5	50.0	0.76	571	3.87	0.047	6.26	48.1	767.0	35.09	18.6	0.002	0.32	0.30
576608	6.4	0.30	35	0.18	93.0	41.0	0.32	1188	3.32	0.074	10.44	17.0	552.0	52.66	26.6	0.001	0.30	0.20
576609	5.6	0.18	10	0.16	122.5	34.3	0.19	1022	2.58	0.111	2.76	13.6	396.0	27.65	17.5	0.001	0.26	0.22
576610	5.2	0.12	10	0.37	95.5	44.5	0.96	721	1.26	0.091	1.84	71.3	815.0	44.25	34.0	0.001	0.28	0.18

Sample Number	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (ppm)	Zr (ppm)
504734	3.6	0.6	0.4	107.0	0.03	0.34	5.8	0.093	0.62	7.1	20	0.1	135.9	5.5
504735	3.3	0.9	0.7	101.5	0.03	0.40	8.2	0.103	0.72	21.0	22	0.2	250.8	9.6
504736	5.0	0.8	0.5	108.0	0.03	0.32	3.6	0.110	0.54	3.3	24	0.2	147.5	3.8
504738	4.8	0.6	0.4	72.0	0.03	0.22	2.3	0.119	0.54	3.4	24	0.1	94.8	3.4
504739	3.9	0.9	0.5	117.5	0.03	0.32	1.5	0.097	1.20	1.3	22	1.7	98.4	3.6
504740	8.2	0.5	0.7	102.0	0.03	0.26	7.3	0.131	1.34	18.5	32	0.1	131.3	2.3
504741	3.1	0.5	0.5	99.5	0.03	0.24	4.9	0.049	0.42	17.3	18	0.1	86.2	1.0
504742	4.9	0.6	0.9	147.5	0.03	0.38	6.4	0.146	0.64	29.1	24	0.1	118.8	3.9
504743	1.5	0.6	0.7	100.0	0.03	0.34	12.1	0.079	0.36	14.8	16	0.1	119.3	7.9
504744	0.8	0.4	0.4	236.5	0.03	0.48	4.2	0.006	0.10	5.3	12	0.1	36.8	1.3
504745	0.7	0.4	0.3	214.0	0.03	0.48	4.2	0.011	0.10	3.9	12	0.1	33.7	1.5
504746	0.9	0.5	0.5	254.5	0.03	0.70	15.6	0.065	0.74	13.2	14	0.2	125.3	10.0
504747	0.5	0.4	0.2	133.0	0.03	0.34	4.0	0.013	0.14	9.7	12	0.2	41.3	4.9
504748	3.3	0.5	0.5	61.0	0.03	0.20	5.6	0.073	0.34	3.3	18	0.2	111.8	4.3
504749	3.3	0.6	0.6	64.5	0.03	0.20	3.9	0.027	0.14	16.8	16	0.3	105.1	5.1
504750	3.4	0.4	0.3	35.5	0.03	0.14	3.6	0.003	0.06	1.0	16	0.1	116.2	2.3
576601	1.4	0.7	0.7	453.0	0.03	1.34	23.1	0.059	1.36	27.0	18	0.9	404.4	5.7
576602	0.6	0.6	0.2	234.0	0.03	0.72	14.3	0.027	0.94	12.8	16	0.4	150.3	8.4
576603	3.5	0.6	0.4	239.5	0.03	0.68	9.4	0.157	1.26	7.4	22	0.1	161.1	7.3
576604	2.4	0.5	0.3	14.5	0.03	0.10	4.9	0.005	0.06	1.1	14	0.1	213.1	1.4
576605	4.0	0.6	0.4	132.5	0.03	0.48	6.4	0.123	0.96	7.7	22	0.1	154.4	6.8
576606	3.6	0.5	0.3	16.5	0.03	0.08	3.7	0.021	0.06	1.0	18	0.1	147.0	1.2
576607	2.6	0.7	0.6	71.5	0.03	0.26	5.3	0.063	0.42	10.2	18	0.3	166.5	12.8
576608	1.1	0.8	0.5	154.5	0.03	0.56	9.7	0.056	0.56	16.2	18	0.4	155.2	25.1
576609	1.1	0.7	0.4	51.5	0.03	0.24	17.0	0.052	0.48	16.0	14	0.1	141.0	10.1
576610	1.9	0.5	0.4	145.0	0.03	0.38	13.2	0.093	0.54	10.0	16	0.1	111.0	7.3

APPENDIX III: GRAB SAMPLE GEOCHEMICAL ANALYSES

Sample	Easting	Northing	Type	Comment	U (%)	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm
36451	591837	7156388	Grab	Coarse-grained syenite with strong oxide on 015/80 fractures	0.113	1.0	4.77	15.1	490.5	0.38	5.85	1.66
36452	591837	7156388	Grab	As 36451, but includes whitish oxide and qz-carbonate veining.	0.106	0.8	4.95	11.8	405.3	0.47	5.55	0.98
36453	591837	7156388	Grab	Host dark grey medium grained intrusive, very little oxide								
36454	591837	7156388	Grab	Red orange whitish oxide material where Shawn got highest scint reading		0.8	4.59	9.0	239.9	0.29	4.85	0.69
36455	592047	7156374	Grab	Fine grained leucocratic intrusive with 1 cm irregular qz veins. Local flourite. Disseminated pyrrhotite gives magnetic response	0.222	1.4	5.21	2.7	27.0	6.13	0.87	1.02
36456	592047	7156374	Grab	Semi random grab of fine grained intrusive from pit		0.5	6.00	3.6	34.2	1.81	0.95	0.34
36457	587739	7154614	Grab	Oxidized coarse-grained leucocratic intrusive with high scint count		1.3	2.34	13.0	61.6	8.92	3.04	0.70
36458	587739	7154614	Grab	Darker, more massive intrusive, disseminated Sx = Pyrrhotite? weakly to moderately magnetic.	0.184	1.5	2.98	22.1	70.3	3.34	4.18	0.52
36459	587700	7154543	Grab	Float below trench and above drill hole. Dark fine grained material, high scint count.	2.080	3.6	6.17	30.0	179.0	18.24	10.43	2.54
36460	587700	7154543	Grab	As 36458, grab of loose material from trench.	0.118	1.4	4.43	7.9	161.1	5.31	6.12	0.54
576551	587720	7154580	Grab	Oxidized high Th intrusive		0.6	1.04	11.3	81.5	0.86	0.91	0.16
576552	587720	7154580	Grab	Unweathered, weakly weathered fine-grained sugary qz-bio porphyry (syenite)		0.1	0.13	6.5	48.0	0.24	0.46	0.05
576553	587694	7154545	Grab	Rusty weathered porphyry	0.158	1.4	3.45	12.2	168.5	4.60	5.58	0.69
576554	587694	7154545	Grab	Grey rubbly rock, cemented, unknown	0.243	1.8	3.17	15.2	168.0	15.38	4.85	0.86
576555	587694	7154545	Grab	White, coarse-grained porphyritic qz-fsp-bio (syenite?)		0.2	0.93	9.1	42.0	0.34	1.23	0.12
576556	588063	7154927	Grab	Rusty sheared foliated outcrop		0.6	3.37	13.5	24.0	0.14	1.64	0.37
576557	590874	7152679	Grab	Scree slope of fine-grained oxidized intermediate massive biotitic rock. Narrow (2mm) qz veins, no evident sulfides		0.7	0.78	6.6	64.0	0.20	1.15	0.18

Sample	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppb	K %	La ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
36451	230.81	4.2	30.7	6.03	23.05	3.33	22.2	11.5	3.73	23	3.52	87.6	136.2	0.11	1066	398.25	0.740	37.34	1.6	0.1
36452	200.72	3.1	23.5	6.15	14.89	2.90	19.5	10.0	2.63	26	2.01	70.0	121.1	0.11	985	175.23	1.454	22.37	1.0	0.1
36453																				
36454	189.27	4.2	32.4	5.66	16.27	3.10	19.0	10.9	3.03	27	2.85	73.5	120.4	0.11	1096	265.85	1.021	26.93	1.3	0.1
36455	105.94	2.5	31.8	10.35	2.59	2.34	21.6	7.6	0.40	4	1.64	26.1	74.9	0.08	936	1.87	2.961	4.92	1.0	0.1
36456	301.49	2.6	40.9	11.93	2.33	2.20	23.1	8.9	0.48	2	1.92	152.2	84.6	0.09	1056	0.95	3.282	2.64	1.1	0.1
36457	530.53	8.1	42.1	9.31	36.63	3.92	19.3	16.6	1.07	7	0.46	297.1	45.1	0.27	1104	24.07	0.548	5.20	3.0	0.1
36458	1236.64	10.9	41.0	9.81	33.45	4.80	32.7	27.4	3.56	14	0.49	639.7	36.9	0.28	1559	45.83	0.827	2.56	4.8	0.1
36459	1082.89	7.6	36.6	12.04	24.78	4.72	29.9	18.6	7.02	38	2.55	744.2	17.0	0.42	1494	388.22	1.569	20.82	3.3	0.1
36460	204.26	8.1	30.9	9.85	19.54	4.10	17.3	11.0	4.85	7	3.57	130.7	103.0	0.35	963	41.57	1.082	20.51	2.9	0.1
576551	140.20	1.2	46.5	3.40	12.60	3.16	6.9	8.7	1.44	25	0.16	82.5	14.9	0.09	509	26.42	0.186	1.26	1.1	133.0
576552	57.94	0.7	47.5	0.96	3.96	0.59	2.5	2.8	0.94	5	0.10	22.5	1.2	0.01	95	1.20	0.070	3.40	2.4	239.0
576553	132.10	6.0	32.0	8.26	16.97	3.69	13.5	11.0	6.36	75	2.43	72.5	89.1	0.33	946	234.80	0.956	20.20	2.3	433.0
576554	260.90	7.5	25.5	7.20	20.90	3.89	15.1	12.3	6.32	70	1.72	160.0	90.3	0.34	1044	140.10	1.022	14.56	2.5	626.0
576555	61.12	0.5	34.5	7.30	3.67	0.61	4.4	2.3	1.92	5	0.53	38.5	14.1	0.02	235	5.48	0.318	4.98	0.9	121.0
576556	150.00	2.1	27.0	5.60	1.47	1.98	9.9	6.0	1.08	35	0.25	86.5	53.1	0.06	587	93.99	1.167	1.98	0.9	52.0
576557	91.98	24.3	31.5	0.28	205.00	4.56	6.7	11.7	0.86	3	0.25	54.5	5.4	0.27	531	2.02	0.185	2.52	6.8	1256.0

Sample	Pb ppm	Rb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
36451	47.47	139.1	0.61	0.30	1.5	1.0	1.7	824.9	0.07	0.51	120.4	0.208	1.77	1000.0	37	8.0	212.5	299.7
36452	43.86	101.6	0.47	0.29	1.3	0.7	1.9	526.2	0.09	0.31	120.6	0.172	1.41	1000.0	37	11.7	181.4	224.9
36453																		
36454	29.52	124.6	1.06	0.20	1.3	0.8	1.5	586.6	0.06	0.45	67.2	0.197	1.55	597.6	42	12.4	158.8	255.8
36455	519.08	90.2	0.17	0.11	0.3	0.5	1.4	168.5	0.08	0.25	282.5	0.068	2.17	1000.0	23	0.3	404.0	36.6
36456	158.12	104.7	0.15	0.07	0.3	0.8	0.7	185.1	0.07	0.16	87.5	0.061	2.33	115.8	15	0.2	289.7	27.7
36457	367.81	34.3	1.50	0.30	1.5	3.1	1.4	333.8	0.03	1.50	65.4	0.150	1.03	162.3	56	2.5	215.8	101.8
36458	138.06	37.0	1.97	0.70	3.0	5.3	1.6	393.5	0.03	1.29	118.6	0.255	0.94	1000.0	85	7.0	190.2	300.8
36459	1094.57	82.0	2.49	1.42	3.9	5.4	1.8	2646.7	0.03	2.29	95.7	0.251	1.38	1000.0	60	24.0	594.2	1246.1
36460	273.41	135.9	2.31	0.56	3.0	3.1	1.4	1308.6	0.03	0.85	41.3	0.304	1.64	1000.0	70	2.9	159.1	330.3
576551	44.08	12.9	0.34	0.22	0.5	1.6	0.8	119.0	0.03	0.28	54.1	0.044	0.30	5.6	20	0.8	31.5	55.0
576552	16.29	5.2	0.01	0.12	0.5	0.7	1.1	66.0	0.03	0.04	13.2	0.042	0.14	1.8	24	0.2	6.4	28.3
576553	224.90	108.3	1.44	0.34	3.3	2.6	1.1	989.0	0.03	0.48	45.5	0.147	1.42	1752.0	66	2.6	124.9	473.4
576554	622.20	82.3	1.48	0.76	4.2	3.8	0.9	810.0	0.03	0.58	51.2	0.140	1.22	1000.0	56	2.4	148.6	519.6
576555	38.09	22.9	0.04	0.18	0.3	0.4	0.4	254.0	0.03	0.12	14.4	0.015	0.40	13.6	6	0.3	21.1	118.3
576556	10.34	18.8	1.04	0.12	0.2	1.1	0.6	218.0	0.03	0.12	49.4	0.024	1.40	150.5	16	1.2	187.1	70.7
576557	5.14	5.2	1.60	0.04	3.1	4.0	1.7	44.0	0.03	0.26	27.3	0.090	0.08	4.1	50	0.1	53.7	36.9

Sample	Easting	Northing	Type	Comment	U (%)	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm
576558	590868	7152696	Grab	Yellow-orange highly oxidized fine-grained porphyritic K-spar-bio-qz intrusive. On scree slope adjacent to above. No evident sulfides but smells like they are present		0.8	1.39	6.2	154.5	0.16	1.16	0.31
576559	590871	7152683	Grab	Fine-grained laminated, flow-banded intrusive, patchy soft green mineral, narrow (1mm) veinlets of biotite ± unknown yellow mineral		0.3	0.71	11.6	151.0	0.06	0.52	0.25
576560	590792	7152735	Grab	Grab sample, fine-grained oxidized sugary qz-bio intrusive		0.7	1.85	6.3	24.0	0.68	1.26	1.67
576561	590039	7153473	Grab	Highly oxidized fg intrusive? No obvious sulfides but smells		0.5	0.36	6.1	13.0	0.16	0.15	0.20
576562	589874	7153505	Grab	Fine-grained, porphyritic unoxidized felsic intrusive, predominantly qz w minor fsp and 10-15% fg bio. Minor leucoxene		0.5	2.19	8.1	86.0	0.54	1.72	0.31
576563	592055	7156350	Grab	Fine-grained, dark gray, weakly foliated, weakly oxidized quartz porphyry. Minor K-spar, common fg biotite, rare fg sulfides, magnetic, heavy		0.2	2.83	7.0	16.0	0.46	0.54	0.33
576564	592055	7156350	Grab	Fine-grained, light brown, massive bio-hbl-mt-qz felsic intrusive rock. Minor occurrence of pale yellowish mineral. Strongly magnetic		0.1	1.00	2.5	3.5	0.26	0.17	0.09
576565	591839	7156391	Grab	Highly oxidized, strongly foliated flow banded syenite. Not magnetic	0.114	0.4	3.46	15.7	341.0	0.66	3.53	0.57
576566	591832	7156390	Grab	Dark grey porphyritic flow banded syenite, minor fluorite in cavities, subcrop adjacent to Trench A		0.1	2.94	10.8	218.5	0.32	1.67	0.18
576568	585538	7157265	Grab	Strongly oxidized hornfels with 1 cm band of strongly magnetic pyrrhotite		0.2	2.16	8.2	73.5	0.16	0.91	0.04

Sample	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppb	K %	La ppm	Li ppm	Mg	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
576558	85.13	1.3	39.5	1.08	16.63	2.62	6.5	7.3	0.94	3	0.21	45.5	9.8	0.09	670	0.48	0.413	1.48	0.9	389.0
576559	49.64	5.2	81.5	1.80	3.69	1.04	4.7	3.2	0.50	5	0.72	27.5	36.4	0.91	129	145.10	0.105	2.46	22.9	1078.0
576560	100.60	2.8	45.0	0.80	14.02	3.91	7.1	9.2	0.48	3	0.20	56.5	9.3	0.03	299	0.82	0.537	2.14	1.1	165.0
576561	103.50	1.3	29.5	0.56	13.28	2.58	4.2	6.6	1.30	15	0.08	51.5	1.4	0.01	50	27.47	0.139	6.62	0.7	101.0
576562	90.03	4.0	54.0	10.38	7.13	1.78	9.4	4.9	1.40	5	0.46	43.0	35.0	0.07	736	1.04	1.368	0.80	1.8	396.0
576563	211.80	2.7	25.0	6.56	2.76	1.63	15.3	4.9	0.52	3	0.87	114.0	55.1	0.08	837	0.36	2.116	9.70	0.7	44.0
576564	83.30	0.4	8.5	1.44	0.39	0.36	6.2	1.4	0.14	3	0.37	47.5	18.8	0.02	193	0.10	0.770	0.80	0.2	12.0
576565	112.40	3.6	27.0	8.66	17.24	3.27	17.2	7.5	1.72	70	1.67	46.0	87.4	0.12	1179	164.20	0.745	41.26	1.3	309.0
576566	151.60	3.7	35.0	9.54	11.78	3.04	15.3	7.5	0.10	75	1.08	90.0	172.9	0.13	1491	37.58	0.745	7.18	1.2	270.0
576568	42.81	45.0	173.5	17.04	197.20	6.93	11.1	13.1	0.16	3	2.12	23.5	82.3	2.26	449	1.99	0.137	1.54	138.5	2778.0

Sample	Pb ppm	Rb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
576558	9.21	4.8	0.50	0.08	0.4	1.5	0.9	250.0	0.03	0.10	30.9	0.062	0.20	3.6	20	0.1	75.6	41.7
576559	8.70	62.8	0.06	0.04	3.9	1.1	0.1	25.5	0.03	0.06	19.2	0.113	0.42	3.5	88	0.1	30.6	14.9
576560	11.49	8.2	2.02	0.06	0.1	0.9	0.5	176.5	0.03	0.20	23.9	0.033	0.20	3.6	4	0.1	123.3	17.5
576561	10.64	2.8	0.86	0.06	0.1	0.7	0.8	26.0	0.10	0.08	66.6	0.053	0.08	235.8	4	0.4	12.6	57.8
576562	34.04	21.3	0.34	0.28	0.5	0.8	1.2	197.5	0.03	0.12	45.5	0.054	1.38	154.3	20	0.1	80.2	77.3
576563	51.35	60.7	0.18	0.08	0.2	1.0	0.5	134.0	0.10	0.10	61.1	0.025	1.58	875.9	6	0.1	194.7	41.3
576564	20.07	17.3	0.01	0.01	0.1	0.3	0.1	24.5	0.03	0.01	20.0	0.005	0.38	7.8	1	0.1	57.8	8.3
576565	43.64	102.9	0.68	0.30	1.0	0.9	0.9	408.5	0.03	0.20	119.1	0.114	1.38	1248.0	30	2.4	183.9	154.1
576566	17.07	98.4	0.36	0.14	1.0	0.9	1.2	195.0	0.03	0.04	37.8	0.128	1.44	20.8	40	2.5	199.8	5.8
576568	2.96	117.5	1.58	0.08	11.2	1.4	0.2	19.0	0.03	0.06	2.8	0.372	1.62	2.0	170	0.1	59.4	5.5