PROSPECTING and AIRBORNE MAGNETIC, RADIOMETRIC & VLF-EM REPORT FOR

THE AEROBUS PROJECT,

DISTRICT OF KENORA, ONTARIO

FOR
Delta Uranium Inc.

PREPARED BY

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Introduction

This report summarizes a prospecting program carried out during August and September of 2008 by Delta Uranium Inc. in the Aerobus Lake area and an Airborne Survey carried out In June and July 2008 by Terraquest Ltd. The property consists of two blocks of claims: the north block and the south block. The majority of the property is underlain by granite and granite pegmatite with lesser metasedimentary rocks consisting of biotite schist and feldspar-biotite gneiss. The anomalies which were targeted during prospecting were picked out by the magnetic, radiometric and VLF-EM surveys. Background radiometric readings throughout the property range from 200-500 cps, with a few areas of elevated background readings of 400-900 cps. Samples were taken at each anomaly defined by the airborne radiometric survey. Samples of materials of background radioactivity were taken along with samples displaying anomalous radioactivity (i.e. over 900cps). The highest outcrop radiometric readings noted was 40 600 cps in an old pit from 1986, close to the uranium showing. The assay results show this area, the uranium showing, on the top of a large hill to be the most promising for a low grade-large tonnage uranium deposit. There were a few other areas with high uranium assay results, they are small and isolated within average to background readings. One area of interest, with high uranium assay results, was found in a low-lying swamp with very high radiometric readings.

Property, Location and Access

The location to the Aerobus Lake property is shown in Figure 1. Access is by provincial highways 17 and 105 and two main roads with active logging (in the Whisky Jack forest), to the west of the highway 105. The Timber Point Camp road accesses the north block and the Cliff Lake/Wild eyes Camp road accesses the south block. From these two main roads there are a network of side roads and ATV trails. The northern portion of the North Block can only be accessed by boat on Aerobus Lake. There is a boat launch, owned by the Timber Point Camp. A boat can be rented from the lodge owners, or a boat may be launched there. There is a road that would give access to these areas, however, the bridge, which would allow the crossing over the lake, had been removed by Abitibi Consolidated after their logging was completed several years ago. Due to Abitibi's logging on the north side of Aerobus Lake there is a network of roads that can be used once across the lake.

The Aerobus Lake property consists of two separate blocks, the north and south totaling 107 claims, 1712 units and 27392 hectares. Table 1 lists these claims and figure 2 shows the claims. The property is approximately 425 km northwest of Thunder Bay, 140 km northeast of Kenora and 64 km north of Vermillion Bay. It is situated within the Cliff Lake, Aerobus Lake, Golder Lake, Perrault Lake and Wine Lake (Ken) areas of the Kenora Mining Division, in the NTS blocks 52K/03, 52K/04 and 52K/06.


CANADA
1000 km
Aerobus Lake Project
Thunder Bay
Figure 1
LOCATION MAP
ONTARIO
0
kilometres
500

TABLE 1 : List of Claims for Delta Uranium Inc. - Aerobus Lake Property

Claim Number	Recording Date	Claim Due Date	Township/Area	Units	Work Required
4202679	2007-Feb-12	2009-Feb-12	AEROBUS LAKE	16	$6,400
4206944	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4209695	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4209696	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4209697	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4209698	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4209699	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4213952	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216419	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216420	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216421	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216422	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216423	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216424	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216425	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216426	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216427	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216428	2007-Jan-18	2009-Jan-18	AEROBUS LAKE	16	$6,400
4216429	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216430	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216431	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216432	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216433	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216434	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216435	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216436	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216437	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216438	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216439	2007-Jan-19	2009-Jan-19	AEROBUS LAKE	16	$6,400
4216826	2007-Feb-12	2009-Feb-12	AEROBUS LAKE	16	$6,400
4216828	2007-Feb-12	2009-Feb-12	AEROBUS LAKE	16	$6,400
4224830	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224831	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224832	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224833	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224834	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224835	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224836	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224837	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224838	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224839	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224840	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224841	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224842	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224843	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224844	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224845	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224846	2008-Aug-08	2010-Aug-08	AEROBUS LAKE	16	$6,400
4224851	2008-Aug-01	2010-Aug-01	AEROBUS LAKE	16	$6,400
4211478	2007-Feb-12	2009-Feb-12	CLIFF LAKE	16	$6,400
4216389	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216390	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400

Claim Number	Recording Date	Claim Due Date	Township/Area	Units	Work Required
4216391	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216392	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216393	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216394	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216395	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216396	2007-Jan-18	2009-Jan-18	CLIFF LAKE	16	$6,400
4216397	2007-Jan-17	2009-Jan-17	CLIFF LAKE	16	$6,400
4216398	2007-Jan-17	2009-Jan-17	CLIFF LAKE	16	$6,400
4216819	2007-Jan-16	2009-Jan-16	CLIFF LAKE	16	$6,400
4216820	2007-Jan-16	2009-Jan-16	CLIFF LAKE	16	$6,400
4216821	2007-Jan-17	2009-Jan-17	CLIFF LAKE	16	$6,400
4216822	2007-Jan-17	2009-Jan-17	CLIFF LAKE	16	$6,400
4216823	2007-Jan-16	2009-Jan-16	CLIFF LAKE	16	$6,400
4216824	2007-Jan-16	2009-Jan-16	CLIFF LAKE	16	$6,400
4216827	2007-Feb-12	2009-Feb-12	CLIFF LAKE	16	$6,400
4224847	2008-Aug-08	2010-Aug-08	CLIFF LAKE	16	$6,400
4224848	2008-Aug-08	2010-Aug-08	CLIFF LAKE	16	$6,400
4224849	2008-Aug-08	2010-Aug-08	CLIFF LAKE	16	$6,400
4224850	2008-Aug-08	2010-Aug-08	CLIFF LAKE	16	$6,400
4216379	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216380	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216381	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216382	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216383	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216384	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216385	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216386	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216387	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216388	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216399	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216400	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216401	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216402	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216403	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216404	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216405	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216406	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216407	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216408	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216409	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216410	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216411	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216412	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216413	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216414	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216415	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4216416	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216417	2007-Feb-12	2009-Feb-12	GOLDER LAKE	16	$6,400
4216418	2007-Feb-09	2009-Feb-09	GOLDER LAKE	16	$6,400
4213953	2007-Jan-19	2009-Jan-19	PERRAULT LAKE	16	$6,400
4213954	2007-Jan-19	2009-Jan-19	PERRAULT LAKE	16	$6,400
4224852	2008-Aug-01	2010-Aug-01	PERRAULT LAKE	16	$6,400
4216440	2007-Jan-19	2009-Jan-19	WINE LAKE (KEN)	16	$6,400
4216441	2007-Jan-19	2009-Jan-19	WINE LAKE (KEN)	16	$6,400
4216442	2007-Jan-19	2009-Jan-19	WINE LAKE (KEN)	16	$6,400

450,000 mE
460,000 mE
470,000 mE
480,000 mE
490,000 mE
5,580,000 mN
5,570,000 mN
5,560,000 mN

FREEWEST RESOURCES CLAIMS

4226649 4226644 4226643 4216440 4216441 4216442
4224830 4224835 4226648 4226645 4226642 4216439 4209697 4209698 4213952 4213953
4224843 4224845 4224831 4224836 4226647 4226646 4226641 4209699 4209696 4209695 4216434 4213954
4224844 4224846
4224832 4224837 4224840 4216438 4216437 4216436 4216435 4206944
4224833 4224838 4224841 4216429 4216430 4216431 4216432 4216433
4224834 4224839 4224842 4216428 4216427 4216426 4216425 4216424
4216419 4216420 4216421 4216422 4216423 4224851 4224852

THE NORTH BLOCK

4216828 4202679
4216826 04211478
4216827 4224849
4224850
4216389 4216393 4216397 4216821 4224847
4216390 4216394 4216398 4216822 4224848
4216391 4216395 4216819 4216823
4216392 4216396 4216820 4216824

THE SOUTH BLOCK

4216399 4216404 4216409 4216414 4216379 4216384
4216400 4216405 4216410 4216415 4216380 4216385
4216401 4216406 4216411 4216416 4216381 4216386
4216402 4216407 4216412 4216417 4216382 4216387
4216403 4216408 4216413 4216418 4216383 4216388

4220521
4220519 4220520
4220518
4220517
4205790
4220522

N

LEGEND

Claim outline for Aerobus Lake

Main Roads to access the North and South Blocks

DELTA URANIUM INC

AEROBUS LAKE

FIGURE 2
CLAIMS

Date:11/11/2008
Author: D.Metsaranta
Office: Thunder Bay
Hillsdale
Scale: 1:125000
Projection: UTM Zone 15 (NAD 83)

0 1.25 2.5 5
KILOMETRES

Previous Exploration

There has been little historic exploration activity in the Aerobus Lake and other areas that Delta Uranium's claims cover. This may be due to the assumption that granitoid rocks mainly underlie the area and there is no known potential for any other commodity, other than uranium. In 1955 an unknown company or prospector completed a small drill program of 9 holes, totaling 678 feet. Radiometric readings on drill core were reported to be between background counts and four times background counts. However, the actual value of what was referred to, as the background count was not reported.

There is one historical uranium showing in the area; it is called the Aerobus Lake occurrence. It is described in the MNDM Mineral Deposit Inventory (MDI) and in this report is referred to as the "MDI occurrence". The MDI occurrence was discovered in 1986 and is located on the north side of Aerobus Lake. The best assays recorded for this area are 0.06 % U_3O_8 over 1.68 m including 0.07% U_3O_8 over 0.61 m. Grab samples taken by the OGS in 1976 assayed 0.03 and 0.006 % U_3O_8. The old showing and 9 drill hole locations are shown on the geology map (Figure 3) and the logs are in Appendix A.

Geology

The regional geology of the Aerobus Lake property is dominated by massive medium grained granodiorite to granite and a gneissic tonalite suite, with minor paragniess, migmatites and metasedimentary rocks, as well as a foliated tonalite suite. Figure 3 shows the regional geology taken from the Ontario Bedrock map from the Ontario Geological Survey. There has been no recent federal, provincial or company geological mapping completed in the Aerobus Lake area.

450,000 mE
460,000 mE
470,000 mE
480,000 mE
490,000 mE
5,580,000 mN
5,570,000 mN
5,560,000 mN
5,550,000 mN
N
FREEWEST RESOURCES CLAIMS
THE NORTH BLOCK
THE SOUTH BLOCK
15
7a
12
11
5
7
15a

LEGEND

- 5 -Mafic to Intermediate Metavolcanic rocks
- 7 -Metasedimentary rocks paragneiss and migmatites
- 11 -Gneissic tonalite suite
- 12 -Foliated tonalite suite
- 13 -Muscovite-bearing granitic rocks
- 15 -Massive granodiorite to granite
- -1986 MDI uranium showing
- 1955 Diamond drill hole collars
- -Road
- -Aerobus Lake Property

DELTA URANIUM INC

AEROBUS LAKE PROJECT

FIGURE 3
REGIONAL GEOLOGY
(from OGS provincal bedrock geology map)

Date:12/11/2008
Author: D.Metsaranta
Office: Thunder Bay
HILLDALE GEOMATICS INC.
Scale: 1:100000
Projection: UTM Zone 15 (NAD 83)

0 2.5 5
kilometres

Airborne Survey

Terraquest Ltd. completed an airborne survey including high resolution magnetic, radiometric and XDS VLF-EM surveys over the Aerobus property between the 19th of June and the 4th of July 2008. The results of the survey are presented on 16 different maps (1 flight patch map, 1 digital terrain map, 5 magnetic maps, 5 radiometric maps and 4 VLF/XDS maps). The logistics report written by Terraquest Ltd. is in Appendix C.

Prospecting

Prospecting of the Aerobus Lake Property was completed between August 19th and September 15th by Danny Rivard, Joe Granstrom, Emilio Calderon, Arno Ducharme and Dawn-Ann Metsaranta for Delta Uranium Inc. The radiometric anomalies that were targeted and prospected are shown in figure 4 (the north block) and figure 5 (the south block). Each of the anomalies was numbered in each of the claim block for ease of reference as shown in figure 4 and figure 5. All prospecting sample locations and traverses are presented in figure 6 (the north block) and figure 7 (the south block). The UTM locations and results for the significant uranium samples found on the property are given in table 2 and the analytical results are in Appendix B. There was only one U/Th ratio anomaly, in the north block, that was prospected. Figure 8 shows the U/Th ratio anomaly map. Figure 9 is a map of the magnetic survey. Figures 10 and 11 give the sample locations and sample numbers for reference.

Prospecting was done using the RS 125 gamma ray spectrometer and all readings quoted in this report are "total counts". Samples collected for assay were sent to Actlabs in Thunder Bay, Ontario where samples were prepared, then sent to Actlabs in Ancaster, Ontario and assayed for uranium using the delayed neutron counting (DNC) method.

The North Block

Anomaly 1

This anomaly was a strong one and was the largest on the radiometric survey map. This area was accessed by an ATV and foot traverse. Ground radiometric readings with the scintillometer showed background levels of 400-600 cps, with many anomalous areas with readings between 1000 cps to 3000 cps. The higher readings were found along fractures within a coarser grained pegmatite or near contacts with biotite-feldspar gneiss, which forms xenoliths or bands in the granite. The best result for this area was 593 ppm U_3O_8.

Anomaly 2

This area was accessed by the same ATV trail then on foot. There were three separate anomalies in area 2, one large strong anomaly, and two moderate anomalies. Background scintillometer readings for the most north anomaly were between 300 and 500 cps. The highest reading found in this first area was 3100 cps and the assay results were generally between 11 and 40 ppm U_3O_8 with the highest results being 556 ppm, 599 ppm and 691 ppm U_3O_8. The geology in this area was generally granite with some pegmatite patches.

The next anomaly is a small one with the highest assay result being 126 ppm U_3O_8. The average reading in this area was 500 cps. The highest reading was 2000 cps.

The third area was just off the ATV trail and was the closest to the main road. Many of the readings were between 300-500 cps. There were a few readings higher than 1000 cps, one at 1800 and another at 3000, but they were in small pockets of coarser grained pegmatite within the granite. The best assay was for the 3000 cps sample at 115 ppm U_3O_8.

Anomaly 3

Anomaly 3 was a moderately strong anomaly and was accessed by the same ATV trail as Anomaly 1 & 2. The background readings from this anomaly were generally between 400-500 cps with only isolated areas of anomalous radiometric readings. Generally, samples from the anomalous zones gave scintillometer readings between 1000 and 2800 cps. The highest assay for this area was 138 ppm U_3O_8. Outcrop is rare in this area and it is only found along the cliff sides. The higher readings were all found along fractures within the granite.

Anomaly 4

There were three small anomalies in this area.

The anomaly on the east side of the road had background readings of 300-600 cps. Anamalous radioactivity was confined to pegmatitic zones within the granite with the highest noted reading being 3400 cps. The best result in this area was 75 ppm U_3O_8.

The larger anomaly in this area is south the first one and to the west of the main road. There is an old road that makes traversing to this area quite easy. Outcrop in the area consisted primarily of granite with subordinate biotite-schist and biotite-feldspar gneiss. Background radiometric readings were generally 400-500 cps throughout the area with anomalously high readings of 1000 to 3000 cps. Anomalous readings were typically associated with the contacts between the granite and metasedimentary rocks. The majority of the assay results were between 16 and 55 ppm U_3O_8, with a two higher values of 93 and 113 ppm U_3O_8.

The last area of this anomaly is further west of the road and is the only area with a U/Th ratio anomaly (Figure 8). This area is has no bedrock and is in a low-lying swamp. Although there was no outcrop in the area highly anomalous radiometric readings were present in the organic-rich swamp deposits. The highest readings are around the lowest, wettest spot in the swamp, and range from 9000 to 22000 cps. A sample from the lowest spot in the swamp had a scintillometer reading of 4300 cps and an assay result of 3469 ppm U_3O_8. Additional samples assayed between 413 and 1109 ppm U_3O_8. Samples consisted of black organic muddy material, with the water squeezed out of the sample bag. All samples were taken 25 cm below the surface.

Anomaly 5

Anomaly 5 was weak and approximately 1.5 km on the east side of the access road. Background radiometric readings from this anomaly were between 300-500 cps. Samples were taken where readings were above 1200 cps, the highest was at 7600 cps. There were some low assay results as well as many above 100 ppm U_3O_8. The two highest results were

724 and 1239 ppm U_3O_8. Outcrops at this anomaly consisted of medium-grained granite with biotite-rich metasedimentary xenoliths and minor thin pegmatite dikes. High radiometrics readings were found in the pegmatitic granite dikes and at the granite-metasediment contacts.

Anomaly 6

There were two weak anomalies in this area. The anomaly is located close to the access road. The rocks at anomaly 6 were generally medium-grained, non-magnetic granite. The background radioactivity was between 300-400 cps with only minor anomalous radioactivity. The two most radioactive samples that were taken gave radiometric readings of 900 and 1200 cps. Assays from this anomaly were low, the highest being 42 ppm U_3O_8.

Anomaly 7

This anomaly was not prospected due to lack of time and priority to prospect other anomalies.

Anomaly 8

Four radiometric peaks make up the bulk of this anomaly and two smaller peaks are located to the north. Access to this anomaly area is by boat only. There is a small wood dock on the northeast arm of north Aerobus Lake. From the dock there are trails that lead close to the various "peaks" within the anomaly. There is a 40-foot bridge that would make road access possible however the bridge deck was removed once the forestry company completed their logging several years ago. The bridge footings are still in place. Background scintillometer readings in the area were like most other areas and ranged between 300 and 600 cps.

The most anomalous area on the radiometric map corresponds with the magnetic high that covers the entire hillside (see Figure 9) and the drilling done in 1955 on the uranium showing. This showing has scintillometer readings up to 40600 cps. The rocks in the area are medium-grained granite with small patches of coarser-grained pegmatite throughout and many small biotite-schist xenoliths. The highest readings are found along the contacts with the granite and the schist. There were two assay results around 2000 ppm U_3O_8 and one at 5156 ppm U_3O_8.

The main part of the anomaly has readings up to 24000 cps and the best assay result from it is 3339 ppm U_3O_8. There were several other good assay results in this area including 261 ppm, 525 ppm and 893 ppm U_3O_8. All the high scintillometer readings were found in a small area on the top of a hill. The outcrops in the area again consisted of a medium-grained biotite granite.

The other small peaks in this area had background radiometric readings of around 300 cps with isolated anomalous zones with readings up to 2500 cps. The best assay result was 117 ppm U_3O_8, but the majority of results were less than 100 ppm U_3O_8.

Anomaly 9

This anomaly is relatively weak. Access is only possible by boat. The rocks at anomaly 9 consist medium-grained granite with pockets of granite pegmatite and metasedimentary

xenoliths and bands mainly running east-west. The average background reading for this anomaly was 500 cps or lower. Anomalous radiometric readings were typically around 1500 cps but ranged as high as 12400 cps. The best assay results were 862 ppm and 775 ppm U_3O_8.

Anomaly 10

This anomaly is accessible by road. The anomaly consists of several many weakly to moderately anomalous areas. The background readings are as expected, 400cps or lower. The rocks consist mainly of light pink medium-grained biotite granite and patches of pink granite pegmatite. The highest radiometric readings noted in the anomaly are 1000cps and are found within the granite pegmatite. The best sample from this anomaly assayed 138 ppm U_3O_8.

Anomaly 11

Access to this anomaly is possible using a boat via Aerobus and Bornite Lake. Background radioactivity in the anomaly area ranges between 300 to 400 cps. Outcrops at the anomaly consist of medium-grained biotite granite and granite pegmatite. Minor magnetite is present within the granite and granite pegmatite. Radiometric readings up to 1600 cps were found within the pegmatite but assay results were only as high as 52 ppm U_3O_8.

The South Block

Anomaly 1

This anomaly is accessible by the Cliff Lake/Wild Eyes Camp dirt road, as are all the anomalies in the south block. Two moderate to weak radiometric peaks were prospected. Background radiometric readings ranged from 300-400 cps. Outcrops examined consist of medium-grained pink to light pink granite with about 5% biotite throughout. The majority of samples taken gave 500-600cps and the most radioactive sample gave a scintillometer reading of 2000 cps. All sample assay results were less than 20 ppm U_3O_8 for this anomaly.

Anomaly 2

Anomaly 2 is the largest and strongest anomaly in the south block. The anomaly is accessible by the same via the same road as Anomaly 1. The geology at the anomaly consists of medium-grained pink granite with patches of coarser grained granite pegmatite. Magnetite and biotite are present in minor quantities. Background radiometric readings in the area are between 300-450 cps with pockets of up to 3000 cps. The higher scintillometer readings corresponded with the more biotite-rich sections. The best assay results were 332 ppm and 254 ppm U_3O_8 for samples that read 3000 cps and 700 cps respectively.

Anomaly 3

Anomaly 3 is a weak anomaly. Outcrops at anomaly 3 are rare but consist of medium-grained granite, minor xenoliths of metasedimentary rock and patches of granite pegmatite. Biotite and magnetite is common in both the granite and metasedimentary rocks. Boulders

are common in the area and are comprised of similar lithologies to the outcrop. The background at this anomaly was 200-300 cps with very few spots at 500 cps.

Anomaly 4

Two hills make up this weak anomaly. Outcrops at the anomaly consist of fine- to medium-grained granite with many granite pegmatite dikes and veins. The background here is about 400 cps. A few points above 500 cps were found and sampled. However, the assay results were no more than 10 ppm U_3O_8.

Anomaly 5

Anomaly 5 consist of several small weak peaks. Outcrops noted during prospecting were comprised mainly of medium-grained biotite-poor granite. Background scintillometer readings were 200-300 cps and one sample at 1400 cps was found. The assay results were less than 70 ppm U_3O_8.

Anomaly 6

Anomaly 6 consists of several weakly anomalous areas along the Cliff Lake road. No significant radioactivity was noted and no samples were taken.

Anomaly 7

This anomaly is a weak to moderate elongated anomaly that runs along a ridge. The anomaly is accessible by road and ATV. The background radiometric readings are 350-500 cps. The rocks were medium grained granite with biotite and no magnetite. There were several patches of pegmatite along the ridge. The average sample gave about 700-800cps. One sample was as high as 2400 cps and assayed 283 ppm U_3O_8. Other assay results were lower with a few around 70 ppm U_3O_8.

Table 2 : Summary of Significant Assay Results

Sample #	E_NAD83_15	N_NAD83_15	CPS	U3O8 (ppm)
244253	460996	5557182	700	416.54
244254	460926	5557141	1100	350.46
244257	464940	5559270	1600	283.20
244261	475282	5578649	8000	236.00
244262	475247	5578628	20000	5156.60
244263	475246	5578649	17000	2371.80
244269	474764	5578597	24000	3339.40
244273	474742	5578776	9600	304.44
244288	476683	5572962	1000	177.00
244289	476688	5572983	8000	724.52
244291	476719	5573029	1800	127.44
244292	476714	5573019	4000	147.50
244302	460894	5557127	3000	332.76
244305	460968	5557184	1400	220.66
244323	475273	5578634	7200	230.10
244324	475240	5578605	11200	676.14
244325	475240	5578644	40600	2478.00
244329	461009	5556750	700	254.88
244345	474755	5578586	7000	525.10
244346	474782	5578632	7700	261.96
244351	475273	5578673	15000	820.10
244353	475239	5578640	27000	2501.60
244355	475214	5578631	22100	329.22
244357	474780	5578598	12100	893.26
244368	476676	5572929	1200	172.28
244369	476684	5572928	7600	1239.00
244375	468917	5574393	12400	775.26
244401	468799	5574239	10000	862.58
244408	468984	5577974	500	138.06
244438	472205	5572312	2000	138.06
244453	472872	5573151	2000	126.26
244467	472700	5574202	1400	556.96
244473	472708	5574122	2350	599.44
244478	472756	5574137	1500	691.48
244479	472775	5574170	2000	191.16
247904	474666	5574737	18000	1109.20
247905	474659	5574728	22000	964.06
247906	474659	5574748	9000	413.00
247907	474646	5574734	12000	604.16
247908	474662	5574730	4300	3469.20
247918	472673	5575167	800	159.30
247924	473021	5575311	2000	153.40
247928	473168	5575369	3000	593.54

Conclusions and Recommendations

Prospecting carried out on the north and south blocks of the Aerobus Lake property has confirmed the presence of uranium mineralization associated with several of the airborne radiometric anomalies located on the property.

Anomalies 1, 2, 3, 4 and 8 of the north block showed the most encouraging results. A more detailed prospecting program over these areas is recommended. In addition a two phase drilling program is recommended for anomaly 8. The initial phase should consist of 1500m of drilling. Contingent on results of the initial drilling program, a further 2500m program should be conducted.

Results from the south block were less promising and only anomaly 2 showed any encouraging results. Further prospecting of anomaly 2 is recommended.

Respectfully Submitted

D. Metsaranta

Dawn-Ann Metsaranta, M.Sc.

Appendix A

Diamond Drilling

Area AEROBUS LAKE

Report Nº 10

Work performed by: Unkown

Claim Nº	Hole Nº	Footage	Date	Note
K 21334	1	81.0'	Oct/55	
	2	66.5'	Oct/55	
	3	74.0'	Oct/55	
	4	61.0'	Oct/55	
	5	117.5'	Oct/55	
	6	23.0'	Oct/55	
	7	99.0'	Oct/55	
	8	101.0'	Oct/55	
	9	55.0'	Oct/55	

612

Notes:

HOLE NO. 1

BEARING 140

DIP COLL. 30

PROPERTY. Aerobus Lake

TOT. DEPTH 81 CORE SIZE X Ray

STARTED October 1955

COMPLETED

DIAMOND DRILL LOG 10-9-1

HOLE NO. 1

PAGE NO. 1 OF 1

LOCATION N 13

FROM	TO	DESCRIPTION	FOLIATION To Core Lth	SAMPLE NO.	FROM	TO	CORE R'C'D	Core Length	ASSAYS	REMARKS
0	6	Biotite Feldspar Gneiss	60							
6	7½	Quartz Diorite								
7½	15	Biotite Feldspar Gneiss	60							
15	22	Red Granite, pegmatitic.								
22	23	Biotite Feldspar Gneiss	40							
23	24	Red Granite, coarse grained.								
24	27	Quartz Diorite. gneissic	60							
27	40	Biotite Feldspar Gneiss with some narrow bandsvof Quartz.	30							
40	41	Quartz Diorite- coarse biotite.			40	41	1	1	0.06 U3O8 Equivalent.	4X Background.
41	43	Dark basic Dyke			41	43	2	2	0.07 " "	
43	43½	Quartz Diorite, coarse grained. 7X bgrd.								
43½	45½	Quartz Diorite, fine grained and gneissic. 2X background.			43	45½	2½	2½	0.03 " "	
45½	77	Pink Pegmatitic Granite, lost core 47-48.								
77	79	Biotite feldspar Gneiss	70							
79	81	Grey Granite								
	81	End of Hole.								

DRILLED BY. S.Duggan- C. St.Paul

SIGNED BY. A.R. Taylor

HOLE NO. 2

BEARING 140

DIP COLL. 30

PROPERTY. Aerobus Lake

TOT. DEPTH 66½ CORE SIZE X Ray

STARTED October 1955

COMPLETED

DIAMOND DRILL LOG

HOLE NO. 2

PAGE NO. 1 OF 1

LOCATION N 12

FROM	TO	DESCRIPTION	FOLIATION To Core Lth	SAMPLE NO.	FROM	TO	CORE R'C'D	Core Length	ASSAYS					REMARKS
0	4	Biotite Feldspar Gneiss	70											
4	4½	Quartz Diorite.												
4½	8½	Biotite Feldspar Gneiss	45											
8½	12½	Pink granite.												
12½	15	Grey Pegmatitic Granite with sparse yellow stain. 2-3X Background.												
15	19	Biotite feldspar Gneiss	60											
19	19½	Quartz Diorite, gneissic. 1½X bgrd.												
19½	27	Biotite Feldspar Gneiss with 4" of grey Pegmatite at 22½ - 2X bgrd.	45											
27	28	Quartz Diorite, 50% coarse grained which gives 2X background.												
28	30	Biotite Feldspar Gneiss, some sulphides.	60											
30	32	Grey Granitic Gneiss. 4" at 30 which is coarse grained- 1½X background.												
32	46	Biotite Feldspar Gneiss	40											
46	48	Grey Gneissic Diorite grading to pink coarse grained Pegmatite.			46	48	2	2	Nil	U308 equiv.				2X background.
48	54	Dark basic Dyke.			48	54	6	6	Nil	"		"		
54	57½	Quartz Diorite, gneissic.			54	57½	3½	3½	Nil	"		"		2-3X background.
57½	62½	Biotite Feldspar Gneiss, coarse biotite at 60 feet	50											
62½	66½	Pink Granite. From 62½-63½ it is grey and gneissic - 2X back ground.												
	66½	End of Hole												

DRILLED BY. S.Duggan & G.St.Paul

SIGNED BY. W.M. Taylor

HOLE NO. 3

BEARING 140

DIP COLL. 30

PROPERTY. Aerobus Lake

TOT. DEPTH 74 CORE SIZE X Ray

STARTED October 1955. COMPLETED

DIAMOND DRILL LOG

HOLE NO. 3

PAGE NO. 1 OF 1

LOCATION N 11

FROM	TO	DESCRIPTION	FOLIATION To Core Lth	SAMPLE NO.	FROM	TO	CORE R'C'D	Core Length	ASSAYS	REMARKS
0	5	Biotite Feldspar Gneiss								
5	5 1/2	Quartz Diorite								
5 1/2	21 1/2	Biotite Feldspar Gneiss								
21 1/2	23	Quartz Diorite								
23	43	Biotite Feldspar Gneiss								
43	49	Pegmatitic Diorite.								
49	54	Dark Basic Dyke.								
54	54 1/2	Quartz Diorite								
54 1/2	57 1/2	Biotite Feldspar Gneiss.								
57 1/2	74	Red to Grey Granite.								
	74	End of Hole								

DRILLED BY. S.Duggan & C.St.Paul.

SIGNED BY. A.M. Taylor

HOLE NO. 4

BEARING 140

DIP COLL. 30

TOT. DEPTH 61 CORE SIZE X Ray

DIAMOND DRILL LOG

PROPERTY. Aerobus Lake

STARTED October 1955. COMPLETED

HOLE NO. 4

PAGE NO. 1 OF 1

LOCATION N 14

FROM	TO	DESCRIPTION	FOLIATION To Core Lth	SAMPLE NO.	FROM	TO	CORE R'C'D	Core Length	ASSAYS	REMARKS
0	7	Biotite Feldspar Gneiss								
7	8½	Pegmatitic Granite.								
8½	12	Biotite Feldspar Gneiss.								
12	13	Coarse Grained Pegmatite.								
13	26	Biotite Feldsper Gneiss.								
26	29	Pegmatitic Granite with some Diorite.			26¼	29	2¾	2¾	Nil 2X bckgrd.	U3O8 equiv.
29	29½	Biotite Feldspar Gneiss								
29½	30	Pegmatite.								
30	44	Biotite feldspar Gneiss.								
44	61	Red Granite , coarse grained.								
	61	End of Hole.								

DRILLED BY. S.Duggan & C.St.Paul.

SIGNED BY. A.M. Taylor

DIAMOND DRILL LOG

HOLE NO. 5 | BEARING 140 | DIP COLL. 30 | PROPERTY. Aerobus Lake. | TOT. DEPTH 117½ | CORE SIZE X Ray | STARTED October 1955. | COMPLETED

HOLE NO. 5 | PAGE NO. 1 OF 1 | LOCATION Q 8: 5

FROM	TO	DESCRIPTION	FOLIATION To Core Lth	SAMPLE NO.	FROM	TO	CORE R'C'D	Core Length	ASSAYS					REMARKS
0	1	Quartz Diorite, some finely disseminated pyrite.												
1	2	Coarse grained Pegmatite.												
2	6	Pegmatitic Quartz Diorite, some chalcopyrite.												
6	7	Dark Basic Dyke.												
7	16	Pegmatitic Quartz Diorite, some pyrite.												
16	17½	Dark Basic Dyke.												
17½	23½	Biotite Feldspar Gneiss with some pegmatite.												
23½	37	Pegmatite with some Biotite Feldspar Gneiss bands. 36-37 pegmatite 3X bgrd.			36	37	1	1	Nil	3X	bckgrd.			U308 equiv.
37	60	Biotite Feldspar Gneiss with occassional bands of Quartz. 37-50 foliation indicates folding.												
60	65½	Quartz Diorite with some pgmatite.												
65½	68	Biotite Feldspar Gneiss												
68	69	Pegmatitic Diorite,			68	69	1	1	0.03	1½ X	bckgrd.			U308 equiv.
69	81	Biotite Feldspar Gneiss- 71½-72 massive chalcopyrite. 74-81 granitic.			74	81	5	5	Nil	1½X	"			" "
81	84	Biotite Feldspar Gneiss with bands of Pegmatite and Granite.												
84	85½	Dark basic Dyke												
85½	88	Coarse Pegmatitic & some Diorite.												
88	91	Dark Basic Dyke.												
91	92½	Quartz Diorite.												
92½	95	Biotite Feldspar Gneiss with some diorite.												
95	98	Dark Basic Dyke.												
98	102	Biotite Feldspar Gneiss, banddd.												
102	102½	Pegmatitic diorite.												
102½	105	Dark Basic Dyke.												
105	117½	Coarse Grained Granitpl .												
	117½	End of Hole.												

DRILLED BY. S.Duggan & C.St.Paul.

SIGNED BY. M.M. Taylor

HOLE NO. 6

BEARING 140

DIP COLL. 30

PROPERTY. Aerobus Lake.

TOT. DEPTH 23 CORE SIZE X-Ray STARTED October, 1955. COMPLETED

DIAMOND DRILL LOG

HOLE NO. 6

PAGE NO. 1 OF 1

LOCATION Q-3

FROM	TO	DESCRIPTION	FOLIATION To Core Lth	SAMPLE NO.	FROM	TO	CORE R'C'D	Core Length	ASSAYS	REMARKS
0	10	Diorite, fine grained with small fragments of pink pegmatite.								
10	11	Rusty slip.								
11	21	Pink Pegmatite.								
21	23	Rusty slip.								
	23	End of Hole.								
		Note; Hole stopped due to cave.								

DRILLED BY. S.Duggan & C.St.Paul.

SIGNED BY. W.M. Taylor

Appendix B

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244251	461039	5557236	500	averages, 400-500	3.1	1.1	3.66
244252	461019	5557209	500	AVERAGE SAMPLE	8.1	1.1	9.56
244253	460996	5557182	700	AVERAGE SAMPLE	353.0	1.0	416.54
244254	460926	5557141	1100	AVERAGE WAS 700-800	297.0	1.1	350.46
244255	460689	5556991	900		26.4	1.1	31.15
244256	465020	5559313	2400	red granite with mag	53.3	1.0	62.89
244257	464940	5559270	1600	coarse grained pegmatite, magnetic	240.0	1.1	283.20
244258	475710	5575651	500	white granite.	9.8	1.1	11.56
244259	475658	5575606	2200	red and white granite with pegmatite. No mag.	52.5	1.1	61.95
244260	475300	5578653	2000		27.5	1.0	32.45
244261	475282	5578649	8000		200.0	1.0	236.00
244262	475247	5578628	20000		4370.0	1.1	5156.60
244263	475246	5578649	17000		2010.0	1.1	2371.80
244264	475256	5578657	500		25.3	1.0	29.85
244265	475239	5578629	500		19.6	1.1	23.13
244266	475236	5578612	5000		6.8	1.1	8.02
244267	475219	5578569	7900		457.0	1.1	539.26
244268	475143	5518584	500		10.9	1.1	12.86
244269	474764	5578597	24000		2830.0	1.0	3339.40
244270	474755	5578812	4300	magnetic	65.8	1.1	77.64
244271	474750	5578718	2000		60.1	1.0	70.92
244272	474720	5578684	4900		76.2	1.1	89.92
244273	474742	5578776	9600		258.0	1.1	304.44
244274	474658	5578629	5500		24.2	1.1	28.56
244275	474759	5579128	1500		21.9	1.1	25.84
244276	474701	5579133	500		28.1	1.0	33.16
244277	475298	5580875	400		3.5	1.0	4.13
244278	475224	5580899	400		4.1	1.1	4.84
244279	476091	5579487	900	white granite.	12.8	1.1	15.10
244280	476099	5579520	6000	fine grained metasediments and quartz rich granite.	97.5	1.1	115.05
244281	468356	5576531	700	averages 300-500 all over, very low. Boulders were 500-700 cps	6.4	1.0	7.55
244282	466642	5576145	800	400 -600 cps background, red granite, biotite.	14.4	1.0	16.99
244283	466494	5576269	2900	magnetic, granite, fine grained.	53.0	1.1	62.54
244284	466553	5576208	600	400-600 average, granite.	4.4	1.1	5.19
244285	466584	5576185	500	average sample	3.3	1.0	3.89
244286	466936	5576283	500	300-600 background	12.3	1.1	14.51

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244287	476628	5572899	1600	red granite, biotite	28.4	1.0	33.51
244288	476683	5572962	1000		150.0	1.1	177.00
244289	476688	5572983	8000	e-w running strike of 2500 cps, red biotite, biotite	614.0	1.0	724.52
244290	476710	5573021	1500	red and white granite	89.8	1.0	105.96
244291	476719	5573029	1800	red granite	108.0	1.1	127.44
244292	476714	5573019	4000	red granite	125.0	1.0	147.50
244301	460239	5556900	450	PINK GRANITE, pegmatite with biotite, AVERAGE SAMPLE	3.4	1.1	4.01
244302	460894	5557127	3000	Area of 350 to 900 cps, granite, biotite and magnetite.	282.0	1.1	332.76
244303	460889	5557141	500	pink granite, course grained, non-mag.	7.8	1.0	9.20
244304	460988	5557144	750	averages 350-600	7.5	1.1	8.85
244305	460968	5557184	1400	averages 500-850	187.0	1.0	220.66
244306	460678	5556998	350	average sample, granite, biotite with magnetite.	5.3	1.1	6.25
244307	461058	5556850	520	pink granite, med-fine grained, magnetite	5.9	1.1	6.96
244308	461034	5556868	2800	pink to white granite, mag.	96.4	1.0	113.75
244309	461019	5556831	2400	pink medium grained granite	29.4	1.1	34.69
244310	459643	5556171	2000	pin granite, medium to coarse grained, 1 % in area of magnetite.	11.9	1.0	14.04
244311	459636	5556157	350	average pink granite sample, little magnetite	5.5	1.0	6.49
244312	459594	5556057	600	dike of fine grained granite	4.5	1.0	5.31
244313	460676	5555439	400	average pink granite sample, magnetite and biotite.	3.5	1.1	4.13
244314	460668	5555466	500	average sample, pink medium grained granite. Magnetite.	5.4	1.0	6.37
244315	465094	5559662	1400	pink granite with fracture filled with pegmatite and biotite, no mag.	11.0	1.1	12.98
244316	465077	5559652	1400	pink granite , fine to medium grained, no mag, biotite.	67.5	1.1	79.65
244317	465356	5560168	350	pink granite, med-fine grained, no magnetite	3.0	1.0	3.54
244318	465372	5559974	460	fine grained granite with biotite.	6.7	1.1	7.91
244319	475734	5575849	3400	dike, 1 meter wide. Pink granite, biotite and no mag.	64.0	1.1	75.52
244320	475847	5575874	900	pink granite, biotite and magnetite.	44.2	1.1	52.16
244321	475861	5575877	1700	pink medium grained granite, biotite and magnetite.	56.8	1.1	67.02
244322	475861	5575885	550	pink granite, biotite and no mag.	13.9	1.0	16.40
244323	475273	5578634	7200	pink granite, coarse-grained, 10-20 % biotite.	195.0	1.0	230.10
244324	475240	5578605	11200	Pink granite, coarse-grained, with biotite	573.0	1.1	676.14
244325	475240	5578644	40600	old trench, pink granite, yellow stained.	2100.0	1.1	2478.00
244326	478964	5568232	300	pink, med. Grained granite. Patches of pegmatite.	1.5	1.1	1.77
244327	461043	5556816	350	pink granite, non-mag.	7.6	1.0	8.97
244328	461074	5556863	600	pink granite, spot close by was 2100 cps, but couldn't get sample	5.8	1.1	6.84
244329	461009	5556750	700	white medium grained granite with green mineral? (chlorite?)15%	216.0	1.1	254.88
244330	461121	5556844	500	course-grained pegmatite, small patch, up to 660 cps	3.8	1.1	4.48

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244331	461185	5556852	500	medium to coarse grained granite, up to 20% biotite.	12.1	1.0	14.28
244332	461660	5556944	350	average granite sample	3.3	1.1	3.89
244333	461340	5557129	440	average granite sample, 10 % biotite, non-mag	4.0	1.1	4.72
244334	459665	5556002	550	medium grained pink granite, less than 5% biotite	12.2	1.0	14.40
244335	462219	5554832	600	pegmatite dikes, throughout fine to medium grained granite. Pink to purple feldspar xlls.	4.0	1.1	4.72
244336	462262	5554670	590	medium grained pink granite. Weakly magnetic.	5.2	1.1	6.14
244337	464049	5558475	565	pegmatite patch in granite.	8.6	1.1	10.15
244338	464558	5558715	880	medium grained granite, non-magnetic	9.8	1.0	11.56
244339	465082	5559668	770	coarse gained pegmatite in the medium grained granite, magnetite, 10-15 % mafics	10.8	1.0	12.74
244340	465022	5559639	475	average granite sample	3.9	1.1	4.60
244341	462556	5557793	500	fine to medium grained granite, very magnetic, less than 5 % mafics	28.2	1.0	33.28
244342	479949	5571008	1200	medium grained, granite, non mag.	35.8	1.0	42.24
244343	480535	5571046	900	medium grained, granite, 5-10% biotite.	28.4	1.1	33.51
244344	474735	5578679	2500	At old MDI occurrence, granite, biotite rich.	65.5	1.0	77.29
244345	474755	5578586	7000	coarse- grained pegmatite, pink, with yellow alteration. Large biotite	445.0	1.0	525.10
244346	474782	5578632	7700	med-coarse grained granite, biotite rich, weak red alteration, and yellow alteration	222.0	1.1	261.96
244347	474532	5578561	1200	pink granite, medium grained	17.4	1.1	20.53
244348	474296	5578848	670	medium grained granite, very magneitc, pink	8.2	1.0	9.68
244349	474296	5578870	770	coarse grained pegmatite with magnetite at contact with metasediment inclusion.	25.2	1.0	29.74
244350	474339	5578857	900	medium grained peg, no magnetite near this sample.	13.7	1.1	16.17
244351	475273	5578673	15000	pink granite, coarse grained.	695.0	1.0	820.10
244352	475268	5578679	700	average sample, white to pink granite.	14.9	1.1	17.58
244353	475239	5578640	27000	old trench, altered white clear quartz, biotite rich and trace pyrite.	2120.0	1.1	2501.60
244354	475242	5578645	700	sediment in middle of trench.	7.6	1.0	8.97
244355	475214	5578631	22100	grantie, 10 to 40 % biotite.	279.0	1.1	329.22
244356	475156	5578601	1000	old trench, porphyritic, sulphides.	13.5	1.0	15.93
244357	474780	5578598	12100	biotite rich granite dike.	757.0	1.1	893.26
244358	474735	5578649	500	pink granite	2.4	1.1	2.83
244359	474724	5579101	6300	pink granite	90.7	1.1	107.03
244360	476104	5579500	3100	pegmatite with biotite. Background is 400 cps.	99.3	1.0	117.17
244361	468371	5576414	1200	grantie,	10.0	1.1	11.80
244362	468146	5576674	1000	pegmatite	13.6	1.0	16.05
244363	466617	5576198	1600	pegmatite	44.9	1.0	52.98

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244364	466553	5576215	800	pegmtite	5.5	1.1	6.49
244365	466611	5576184	1200	pegmatite	25.2	1.1	29.74
244366	466779	5576176	550	granite, pegmatite	3.1	1.1	3.66
244367	476639	5572880	1800	pink granite with pegmatite and biotite	29.6	1.0	34.93
244368	476676	5572929	1200	pegmatite with bioite	146.0	1.0	172.28
244369	476684	5572928	7600	granite with pegmatite, biotite, massive	1050.0	1.0	1239.00
244370	476690	5572937	600	pink granite	7.4	1.1	8.73
244371	476765	5572989	1900	pink granite contact with volcanic	64.8	1.0	76.46
244372	476725	5573093	1200	pegmatite, within 5 meters there is a 2000, a 15000 and 1000, too round to get samples	45.4	1.0	53.57
244373	476694	5573107	1300	500 background	14.6	1.0	17.23
244374	468914	5574389	5000	white granite with some smokey quartz visible , continous veining of 3000 cps for ~ 10 m from this sample	28.9	1.1	34.10
244375	468917	5574393	12400	background 500cpsm pegmatite, strikes E-W, covered with moss	657.0	1.0	775.26
244401	468799	5574239	10000	red-white granite, sediments running east-west along where sample was taking	731.0	1.0	862.58
244402	468802	5574242	800	background sample	14.3	1.0	16.87
244403	468807	5574271	1800	grey-white coarse grained granite	37.7	1.0	44.49
244404	468913	5574390	600	pegmatite, background 700 cps	7.5	1.0	8.85
244405	469021	5574423	800	reddish granite pegmatite	1.2	1.1	1.42
244406	471512	5572034	1200	white granite, magnetic	10.3	1.1	12.15
244407	471565	5572092	1000	white granite	7.5	1.0	8.85
244408	468984	5577974	500	pegmatite	117.0	1.0	138.06
244409	469056	5577214	500	background 400 average	2.1	1.0	2.48
244426	459678	5559359	800	medium grained granite, less than 5 % biotite.	55.0	1.1	64.90
244427	473081	5573229	800	1000 off to side, just couldn't get sample, white granite, with metasediment	25.9	1.1	30.56
244428	472097	5572246	700	foliated granite, gniessic, pink and grey, biotite.	24.5	1.1	28.91
244429	472106	5572260	600	gniessic, pink granite	6.2	1.0	7.32
244430	472115	5572261	600	pink granite	11.3	1.0	13.33
244431	472127	5572265	1100	pink granite, foliated, lots of biotite	28.6	1.0	33.75
244432	472134	5572270	1200	granite, biotite rich	37.3	1.1	44.01
244433	472142	5572278	1000	pink granite, medium grained	39.0	1.0	46.02
244434	472158	5572281	600	grey granite	6.2	1.1	7.32
244435	472165	5572293	2800	area is 1300 cps, with one high spot. Pink coarse grained pegmatite	34.6	1.0	40.83
244436	472176	5572292	1000	pink granite, medium grained	7.8	1.0	9.20
244437	472195	5572315	1000	pink granite, medium grained	20.7	1.0	24.43

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244438	472205	5572312	2000	granite, magnetic, large grains of black magnetite, medium grained	117.0	1.1	138.06
244439	472205	5572333	2600	non-magnetic granite, pink to red, altered, sericite?? Yellowish	20.1	1.0	23.72
244440	472248	5572337	950	pink granite, medium grained, 20% biotite.	4.3	1.0	5.07
244441	472268	5572345	900	granite, very silicous, less than 5% biotite, non-mag.	31.2	1.0	36.82
244442	472279	5572350	1000	pink coase-grained, granite/pegmatite, bitotie-5%	27.9	1.0	32.92
244443	472282	5572347	2800	pink medium grained granite, lots of quartz, altered red and yellow feldspar	73.2	1.1	86.38
244444	472312	5572354	1330	pink granite, medium grained, , background is 500cps	94.1	1.0	111.04
244445	472022	5572001	770	background is 300-400 with this one high small spot, pink granite, with magnetite patches throughout.	2.1	1.1	2.48
244446	471986	5572003	1000	granite, medium grained, magnetic, ,background is 300-400 cps	37.5	1.0	44.25
244447	471946	5572034	700	granite, patches are magnetic	8.6	1.0	10.15
244448	471907	5572024	900	background is 400-500 cps, pink medium grained granite, non-	38.0	1.0	44.84
244449	471864	5572096	1100	right beside a 2200 cps, pink granite.	48.8	1.0	57.58
244450	472903	5573189	580	medium grained, granite, weakly magnetic	40.1	1.0	47.32
244451	472882	5573179	750	pink, medium grained, granite, 10-15 % biotite, non-magnetic	48.9	1.1	57.70
244452	472875	5573152	700	white granite, medium grained, non-magnetic	25.8	1.0	30.44
244453	472872	5573151	2000	white granite, all area is 1100-1800 cps along fracture running NE-	107.0	1.1	126.26
244454	472843	5573150	1000	grey granite, foliated, biotite rich, sample is close to a coarser pegmatite that is 600 cps. This is along strike with the last couple of samples.	13.1	1.1	15.46
244455	472782	5573176	1000	pink granite, high spots under the moss, non-magnetic	44.2	1.0	52.16
244456	472784	5573192	1100	pegmatite, pink non-magnetic	15.0	1.1	17.70
244457	472796	5573218	800	pink granite	18.5	1.1	21.83
244458	472791	5573243	1000	pink granite, 20-30 % biotite	62.8	1.1	74.10
244459	472841	5573204	850	grey granite, very biotite rich	12.6	1.0	14.87
244460	472843	5573191	1000	pink granite, biotite rich	74.9	1.1	88.38
244461	472865	5573616	500	pink coarse to medium grained granite, background is 500 cps everywhere, lots of moss, higher when dug. Large boulders are 800 cps.	10.3	1.1	12.15
244462	472843	5573643	800	white, medium grained grainte	34.7	1.1	40.95
244463	472607	5574218	1000	pink granite, non-magnetic, background is 500-700 cps.	9.4	1.1	11.09
244464	472626	5574211	1000	medium grained, pink granite, biotite rich, non-magnetic, background 400-600 cps. Large outcrop!!	38.7	1.1	45.67
244465	472675	5574218	750	pink granite, non-magnetic, medium grained	7.4	1.1	8.73
244466	472711	5574209	900	pink granite, magnetic, medium to coarse grained.	27.7	1.0	32.69
244467	472700	5574202	1400	pink granite, magnetic, 600-700 cps background in area	472.0	1.0	556.96

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244468	472731	5574206	2400	pink granite, non-magnetic, yellow alteration to some felspars, and green alteration, chlorite maybe?	28.3	1.0	33.39
244469	472752	5574213	3100	pink granite, weakly magnetic, yellowish tinge alteration	50.3	1.1	59.35
244470	472820	5574219	1000	pink medium grained, granite, weakly magnetic	36.2	1.0	42.72
244471	472766	5574129	800	pink medium grained granite, non-magnetic	27.2	1.1	32.10
244472	472729	5574146	1200	pink medium grained, granite, magnetic	19.1	1.0	22.54
244473	472708	5574122	2350	medium grained pink, magnetic, granite, yellow alteration-sericite, area is 500-650 cps background	508.0	1.1	599.44
244474	472639	5574092	780	pink medium grained granite	34.8	1.1	41.06
244475	472751	5574088	1100	pink granite, non-magnetic, medium grained	16.4	1.1	19.35
244476	472798	5574021	700	medium grained, granite, magnetic, pink	27.9	1.1	32.92
244477	472830	5574046	1500	pink medium grained granite, non-magnetic	44.5	1.1	52.51
244478	472756	5574137	1500	red granite, altered yellow and red, weak green, medium grained, magnetic	586.0	1.1	691.48
244479	472775	5574170	2000	pink granite, weakly magnetic	162.0	1.1	191.16
244480	472778	5574206	1700	pink medium grained granite	48.5	1.0	57.23
244481	472777	5574221	1800	pink, magnetic, granite, medium grained, weakly yellow alteration	27.6	1.0	32.57
244482	472640	5574232	750	beside 1200cps, pink granite, magnetic, medium grained.	32.4	1.0	38.23
244483	475333	5574778	1200	pink granite, medium grained, non-magnetic	39.6	1.1	46.73
244484	475318	5574753	1500	pink granite, non-magnetic, medium grained	25.3	1.1	29.85
244485	475309	5574742	2800	pink granite, medium grained, background is 600-900cps. Weakly magnetic, altered.	25.5	1.1	30.09
244486	475288	5574730	3000	dark pink, granite, magentic, altered, medium grained.	47.8	1.0	56.40
244487	475269	5574729	1300	weakly magnetic, pink to grey granite, fine grained biotite rich	25.3	1.1	29.85
244488	475200	5574663	1000	pink granite, medium grained, non-magnetic	32.7	1.0	38.59
244489	475096	5574666	2000	granite, pink, medium grained, magnetic	96.6	1.0	113.99
244490	475059	5574637	1400	magnetic, altered yellow (sericite) granite, medium grained	23.1	1.0	27.26
244491	475035	5574634	2100	white granite, very altered and crumbly, yellow alteration, red on weathered surface, magnetic	7.2	1.0	8.50
244492	475025	5574597	1200	pink granite, medium grained, magnetic, green alteration? Weak yellow alteration as well	28.5	1.0	33.63
244493	474990	5574585	1300	fine to medium grained granite, biotite rich	32.7	1.0	38.59
244494	474961	5574573	1500	medium to coarse grained granite, pink, weak yellow lateration	15.5	1.0	18.29
244495	474941	5574563	1400	pink granite, medium grained, altered yellow and red, non-magnetic	18.7	1.1	22.07
244496	474900	5574528	2500	weakly magnetic, pink granite, fine grained at contact with medium grained	38.2	1.0	45.08
244497	474925	5574668	800	pink medium grained granite, magnetic	25.2	1.1	29.74
244498	475067	5574954	2200	pink pegmatite , medium to coarse grained weakly magnetic	29.3	1.1	34.57

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
244499	475054	5574970	1500	red-yellow altered granite, medium grained, magnetic, boitite rich	16.3	1.0	19.23
244500	475053	5574955	1500	weakly magnetic, pegmatite, coarse grained, light pink, lots of biotite	79.0	1.0	93.22
247901	475018	5574939	1100	pink medium grained, granite,magnetic	13.9	1.0	16.40
247902	475014	5574919	1000	magnetic, medium grained, pink granite	22.8	1.1	26.90
247903	475028	5574905	1100	pink, strong red alteration and weak yellow alteration to granite, fine to medium grained, non-magnetic	25.5	1.1	30.09
247904	474666	5574737	18000	started at 6000 cps on top of moss, then dug out for sample, taken ~10 inches down.	940.0	0.5	1109.20
247905	474659	5574728	22000	sample taken 12 inches down. Started at 1200 cps before dug	817.0	0.6	964.06
247906	474659	5574748	9000	started at 7000 cps before dug, sample taken ~6 inches down, very watery	350.0	0.4	413.00
247907	474646	5574734	12000	6000 cps before dug, sample taken 8 inches down	512.0	0.5	604.16
247908	474662	5574730	4300	sample taken in the lowest point in swamp, 3200 cps on top of wet	2940.0	0.5	3469.20
247909	472883	5574909	1100	pink medium grained, granite,magnetic	21.8	1.1	25.72
247910	472912	5574933	570	pink medium grained, granite, non-magnetic	17.0	1.0	20.06
247911	472744	5574997	900	medium grained granite, magnetic	24.6	1.0	29.03
247912	472757	5575085	650	background sample (500-700 cps in area), medium grained granite, non-magnetic, pink with weak yellow alteration	26.4	1.1	31.15
247913	472680	5575064	850	pink granite, medium grained magnetic	19.8	1.1	23.36
247914	472649	5575051	1000	pink granite, non-magnetic,	20.4	1.1	24.07
247915	472583	5575036	1000	white granite, non-magnetic, medium grained, lots of biotite	38.6	1.1	45.55
247916	472604	5575087	700	pink granite, weakly altered red, medium grained	21.2	1.1	25.02
247917	472650	5575102	2800	white/pink granite, non-magnetic, red and yellow alteration, weakly foliated? Weak green alteration	27.5	1.0	32.45
247918	472673	5575167	800	non-magnetic, pink with weak green alteration, granite medium	135.0	1.1	159.30
247919	472728	5575191	550	background sample, medium grained granite	12.4	1.1	14.63
247920	472865	5575220	1000	medium grained granite, magnetic	12.8	1.0	15.10
247921	472909	5575193	1200	magnetic, pink granite, biotite rich	18.3	1.1	21.59
247922	472975	5575255	570	background, pink granite, non-magnetic	28.3	1.1	33.39
247923	472997	5575265	1300	magnetic, medium grained, pink granite	42.1	1.1	49.68
247924	473021	5575311	2000	magnetic, pink pegmatite	130.0	1.0	153.40
247925	473085	5575327	600	background, granite at contact between fine and medium grained, weakly magnetic	13.5	1.0	15.93
247926	473113	5575370	1200	white gneiss, very silicous, foliated 40-220° , non-magnetic	33.0	1.0	38.94
247927	473137	5575356	1700	white, medium grained granite, magnetic	45.9	1.0	54.16
247928	473168	5575369	3000	white pegmatite, coarse-grained, strikes 55-235°	503.0	1.1	593.54
247929	473142	5575389	1100	very silicous, medium grained, pink granite, non-magnetic	25.0	1.0	29.50

Sample #	E_NAD83_15	N_NAD83_15	CPS	DESCRIPTION	U ppm	Mass g	U3O8 (ppm)
247930	473100	5575408	1300	non-magnetic, pink medium grained, granite	67.9	1.1	80.12
247931	473087	5575393	1100	pink non-magnetic granite, very silicous	14.2	1.1	16.76
247932	473435	5575421	550	background sample, white granite, medium grained, weakly magnetic	8.5	1.1	10.03
247933	473587	5575483	600	pink granite, lots of biotite, medium to coarse grained granite	19.7	1.1	23.25
247934	473613	5575342	700	white coarse grained granite, biotite rich	21.8	1.1	25.72
247935	473600	5575333	1200	white granite, medium to coarse grained non-magnetic, less than 5 % biotite	91.9	1.0	108.44
247936	473499	5574665	700	magnetic, fine to medium grained granite, grey, lots of biotite	49.9	1.1	58.88
247937	473501	5574640	900	pink medium grained granite, non-magnetic	7.3	1.1	8.61
247938	473473	5574647	1000	pink pegmatite, non-magnetic	18.6	1.0	21.95
247939	473472	5574670	1800	coarse to medium grained, non-magnetic, pink granite	25.7	1.1	30.33
247940	473446	5574643	900	pink, non-magnetic, medium to coarse granied pegmatite, less than 5 % biotite	12.2	1.0	14.40
247941	474100	5573261	1800	whtie granite at contact with foliated biotite schist	14.7	1.1	17.35
247942	474096	5573248	3000	pink , non-magnetic, medium grained granite	97.8	1.1	115.40
247943	474073	5573212	950	pink granite, medium grained	29.2	1.1	34.46
247944	474052	5573255	700	pink granite, medium grained, less than 5 % biotite	43.8	1.1	51.68
247945	474015	5573231	500	coarse grained pegmatite, non-magnetic, very little biotite	6.6	1.1	7.79
247946	456078	5555626	500	pink granite, medium grained, very magnetic, background is 300 cps at most, boulders everywhere, very little outcrop.	6.8	1.0	8.02
186431	471553	5572069	2100	pegmatite, readings up to 2500 cps for 30 meters east of sample location	104.0	1.0	122.72
186432	469018	5577987	500	low background, no highs, granite, stikes E-W	3.4	1.1	4.01
186433	469062	5577147	1000	granite	9.7	1.0	11.45

Quality Analysis ... *Innovative Technologies*

Date Submitted: 28-Aug-08
Invoice No.: A08-5650
Invoice Date: 18-Sep-08
Your Reference: Aerobus Lake Property

Delta Uranium
10th Floor, 56 Temperance Street
Toronto ON M5H 3V5
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

47 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT **A08-5650**

Notes:

CERTIFIED BY :

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE http://www.actlabsint.com

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
244251	3.1	1.052
244252	8.1	1.095
244253	353	1.037
244254	297	1.094
244255	26.4	1.058
244256	53.3	1.033
244257	240	1.068
244258	9.8	1.056
244259	52.5	1.097
244301	3.4	1.070
244302	282	1.072
244303	7.8	1.021
244304	7.5	1.061
244305	187	1.037
244306	5.3	1.059
244307	5.9	1.069
244308	96.4	1.044
244309	29.4	1.086
244310	11.9	1.038
244311	5.5	1.001
244312	4.5	1.035
244313	3.5	1.083
244314	5.4	1.023
244315	11.0	1.055
244316	67.5	1.055
244317	3.0	1.011
244318	6.7	1.070
244319	64.0	1.071
244320	44.2	1.073
244321	56.8	1.055
244322	13.9	1.046
244326	1.5	1.074
244327	7.6	1.020
244328	5.8	1.054
244329	216	1.093
244330	3.8	1.083
244331	12.1	1.012
244332	3.3	1.085
244333	4.0	1.085
244334	12.2	1.043
244335	4.0	1.074
244336	5.2	1.055
244338	9.8	1.043
244339	10.8	1.014
244340	3.9	1.065
244341	28.2	1.038

Quality Control		
Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2630	
DH-1a Cert	2630	
DH-1a Meas	2590	
DH-1a Cert	2630	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	285	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1260	
BL-4a Cert	1250	
244321 Orig	56.8	1.055
244321 Split	56.9	1.028
Method Blank Method Blank	< 0.1	1.000

Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Sep-08
Invoice No.: A08-5726
Invoice Date: 18-Sep-08
Your Reference:

Delta Uranium
10th Floor, 56 Temperance Street
Toronto ON M5H 3V5
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

20 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT **A08-5726**

Notes:

CERTIFIED BY :

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE http://www.actlabsint.com

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
244323	195	1.038
244324	573	1.054
244325	2100	1.068
244351	695	1.025
244352	14.9	1.092
244353	2120	1.059
244354	7.6	1.037
244355	279	1.054
244356	13.5	1.032
244357	757	1.064
244260	27.5	1.036
244261	200	1.031
244262	4370	1.061
244263	2010	1.054
244264	25.3	1.010
244265	19.6	1.072
244266	6.8	1.078
244267	457	1.063
244268	10.9	1.063
244269	2830	1.049

Quality Control

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2630	
DH-1a Cert	2630	
DH-1a Meas	2590	
DH-1a Cert	2630	
SY-2 Meas	283	
SY-2 Cert	284	
SY-2 Meas	285	
SY-2 Cert	284	
BL-4a Meas	1270	
BL-4a Cert	1250	
BL-4a Meas	1260	
BL-4a Cert	1250	
Method Blank Method Blank	< 0.1	1.000

Quality Analysis ... *Innovative Technologies*

Date Submitted: 08-Sep-08
Invoice No.: A08-5956
Invoice Date: 01-Oct-08
Your Reference: Aerobus Lake Property

Delta Uranium
10th Floor, 56 Temperance Street
Toronto ON M5H 3V5
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

24 Rock samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT **A08-5956**

Notes:

CERTIFIED BY :

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE http://www.actlabsint.com

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
244270	65.8	1.067
244271	60.1	1.023
244272	76.2	1.050
244273	258	1.069
244274	24.2	1.095
244275	21.9	1.053
244276	28.1	1.018
244277	3.5	1.008
244278	4.1	1.083
244279	12.8	1.052
244280	97.5	1.064
244337	8.6	1.085
244342	35.8	1.036
244343	28.4	1.097
244344	65.5	1.035
244345	445	1.030
244346	222	1.089
244347	17.4	1.070
244348	8.2	1.043
244349	25.2	1.046
244350	13.7	1.077
244358	2.4	1.074
244359	90.7	1.050
244426	55.0	1.088

Quality Control

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2670	
DH-1a Cert	2630	
DH-1a Meas	2600	
DH-1a Cert	2630	
SY-2 Meas	284	
SY-2 Cert	284	
SY-2 Meas	284	
SY-2 Cert	284	
BL-4a Meas	1250	
BL-4a Cert	1250	
BL-4a Meas	1280	
BL-4a Cert	1250	
Method Blank Method Blank	< 0.1	1.000

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Sep-08
Invoice No.: A08-6265
Invoice Date: 16-Oct-08
Your Reference: Aerobus Lake Property

Delta Uranium
10th Floor, 56 Temperance Street
Toronto ON M5H 3V5
Canada

ATTN: Colin Bowdidge

CERTIFICATE OF ANALYSIS

155 Rock samples and 5 Soil samples were submitted for analysis.

The following analytical package was requested: Code 5D-U-Total DNC

REPORT **A08-6265**

Notes:

CERTIFIED BY :

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE http://www.actlabsint.com

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
186431	104	1.032
186432	3.4	1.073
186433	9.7	1.005
244281	6.4	1.005
244282	14.4	1.030
244283	53.0	1.078
244284	4.4	1.090
244285	3.3	1.028
244286	12.3	1.053
244287	28.4	1.023
244288	150	1.057
244289	614	1.034
244290	89.8	1.019
244291	108	1.066
244292	125	1.033
244360	99.3	1.030
244361	10.0	1.055
244362	13.6	1.046
244363	44.9	1.040
244364	5.5	1.073
244365	25.2	1.070
244366	3.1	1.077
244367	29.6	1.045
244368	146	1.025
244369	1050	1.034
244370	7.4	1.063
244371	64.8	1.042
244372	45.4	1.048
244373	14.6	1.047
244374	28.9	1.071
244375	657	1.026
244401	731	1.041
244402	14.3	1.023
244403	37.7	1.035
244404	7.5	1.028
244405	1.2	1.081
244406	10.3	1.053
244407	7.5	1.046
244408	117	1.007
244409	2.1	1.009
244427	25.9	1.072
244428	24.5	1.084
244429	6.2	1.007
244430	11.3	1.011
244431	28.6	1.038
244432	37.3	1.076
244433	39.0	1.012
244434	6.2	1.076
244435	34.6	1.039
244436	7.8	1.030
244437	20.7	1.028
244438	117	1.065

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
244439	20.1	1.023
244440	4.3	1.045
244441	31.2	1.042
244442	27.9	1.028
244443	73.2	1.090
244444	94.1	1.030
244445	2.1	1.059
244446	37.5	1.045
244447	8.6	1.015
244448	38.0	1.011
244449	48.8	1.035
244450	40.1	1.024
244451	48.9	1.096
244452	25.8	1.043
244453	107	1.056
244454	13.1	1.054
244455	44.2	1.043
244456	15.0	1.064
244457	18.5	1.051
244458	62.8	1.092
244459	12.6	1.038
244460	74.9	1.064
244461	10.3	1.062
244462	34.7	1.053
244463	9.4	1.090
244464	38.7	1.077
244465	7.4	1.095
244466	27.7	1.024
244467	472	1.038
244468	28.3	1.049
244469	50.3	1.083
244470	36.2	1.037
244471	27.2	1.059
244472	19.1	1.023
244473	508	1.085
244474	34.8	1.053
244475	16.4	1.060
244476	27.9	1.055
244477	44.5	1.054
244478	586	1.078
244479	162	1.061
244480	48.5	1.025
244481	27.6	1.003
244482	32.4	1.044
244483	39.6	1.059
244484	25.3	1.076
244485	25.5	1.067
244486	47.8	1.037
244487	25.3	1.062
244488	32.7	1.021
244489	96.6	1.043
244490	23.1	1.037

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
244491	7.2	1.023
244492	28.5	1.007
244493	32.7	1.022
244494	15.5	1.028
244495	18.7	1.052
244496	38.2	1.017
244497	25.2	1.060
244498	29.3	1.076
244499	16.3	1.023
244500	79.0	1.009
247901	13.9	1.013
247902	22.8	1.070
247903	25.5	1.059
247904	940	0.480
247905	817	0.563
247906	350	0.444
247907	512	0.543
247908	2940	0.473
247909	21.8	1.070
247910	17.0	1.015
247911	24.6	1.048
247912	26.4	1.063
247913	19.8	1.061
247914	20.4	1.061
247915	38.6	1.068
247916	21.2	1.097
247917	27.5	1.032
247918	135	1.070
247919	12.4	1.083
247920	12.8	1.046
247921	18.3	1.080
247922	28.3	1.059
247923	42.1	1.063
247924	130	1.042
247925	13.5	1.023
247926	33.0	1.033
247927	45.9	1.030
247928	503	1.073
247929	25.0	1.013
247930	67.9	1.055
247931	14.2	1.083
247932	8.5	1.058
247933	19.7	1.089
247934	21.8	1.062
247935	91.9	1.049
247936	49.9	1.062
247937	7.3	1.092
247938	18.6	1.028
247939	25.7	1.085
247940	12.2	1.028
247941	14.7	1.056
247942	97.8	1.066

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
247943	29.2	1.069
247944	43.8	1.073
247945	6.6	1.066
247946	6.8	1.036

Quality Control

Analyte Symbol	U	Mass
Unit Symbol	ppm	g
Detection Limit	0.1	
Analysis Method	DNC	DNC
DH-1a Meas	2660	
DH-1a Cert	2630	
DH-1a Meas	2590	
DH-1a Cert	2630	
SY-2 Meas	280	
SY-2 Cert	284	
SY-2 Meas	280	
SY-2 Cert	284	
BL-4a Meas	1280	
BL-4a Cert	1250	
244374 Orig	28.9	1.071
244374 Split	28.0	1.066
244436 Orig	7.8	1.030
244436 Split	8.1	1.023
244446 Orig	37.5	1.045
244446 Split	38.0	1.070
244476 Orig	27.9	1.055
244476 Split	28.3	1.039
244486 Orig	47.8	1.037
244486 Split	48.1	1.029
247936 Orig	49.9	1.062
247936 Split	47.5	1.084
Method Blank Method Blank	< 0.1	1.000

Appendix C

Operations Report for DELTA URANIUM INC.

High Resolution Magnetic, Radiometric & XDS VLF-EM Airborne Survey
Aerobus Project
Dryden, Ontario

December 9, 2008

Report #: B-269

Requested by:
David Palmer
DELTA URANIUM INC.

Prepared by:
Charles Barrie, Managing Partner
Terraquest Ltd.

Table of Contents

1. Introduction

1.1. Executive Summary

This report describes the specifications and parameters of an airborne geophysical survey carried out for:

DELTA URANIUM INC.
56 Temperance Street, 10th Floor
Toronto, ON
M5H 3V3

Attention: David Palmer
Phone: 416-363-3582
Fax: 866-288-3582

wisaacs@deltauranium.com

The survey was performed by:

TERRAQUEST LTD.
2-2800 John Street, Markham
ON, Canada
L3R 0E2

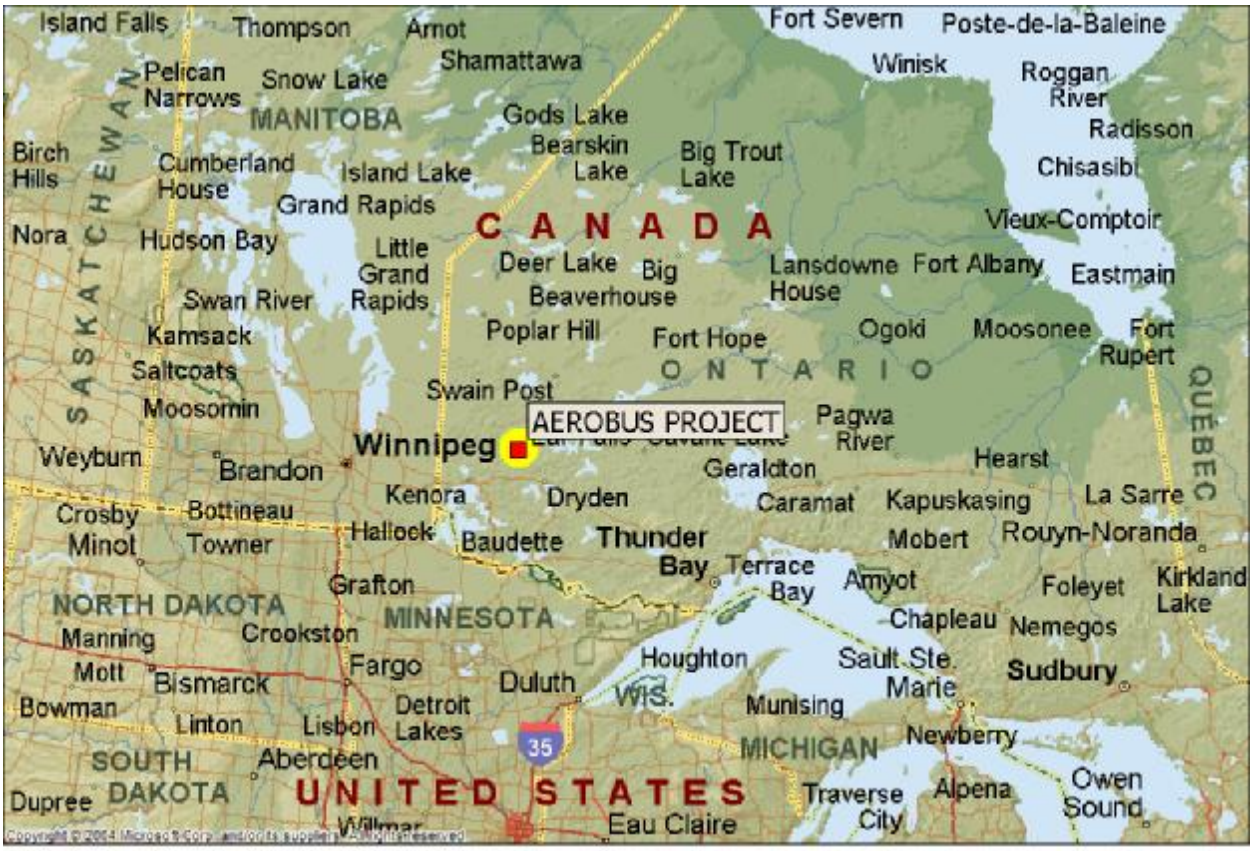
Phone: 905-477-2800 ext. 22
Email: hb@terraquest.ca.

The purpose of the survey of this type is to collect geophysical data that can be used to prospect directly for economic minerals that are characterized by anomalous magnetic, radioactive or conductive responses. Secondly, the geophysical patterns can be used indirectly for exploration by mapping the geology in detail, including faults shear zones, folding, alteration zones and other structures.

To obtain this data, the area was systematically traversed by aircraft carrying geophysical equipment along parallel flight lines. The lines are oriented to intersect the geology and structure so as to provide optimum contour patterns of the geophysical data.

1.2. Location

The survey is located in north western Ontario, approximately 65 kilometres northwest of the town of Dryden. It can be accessed by bush roads from highway 105. The survey area includes all or portions of Segise, Golder, Adam, Fluke, Schultz, Beaton, Cliff, Fleet, Minor, Bednargik, Honest, Aerobus, Hogg, Ryan, Sniezek, Bornite, and Wabaskang Lakes. The survey outline is rectangular; the east-west maximum dimension is 36 kilometres and the maximum north-south dimension is 38 kilometres. The centre of the area is approximately 50 degrees 15 minutes north and 93 degrees 25 minutes west.



2. SURVEY SPECIFICATIONS

2.1. LINES AND DATA

Parameter	Specification	Instrument Precision
Aircraft Speed	288 km/hr	
Sampling Interval	6-8m (10Hz)	
Flight-line Interval	100 m	+/- 3m
Flight-line Direction	150/330 degrees	
Control-line Interval	2,000 m	+/- 3m
Control-line Direction	224/064 degrees	
Aircraft MTC	70 m	+/- 5m
Mag Sensor MTC	70 m	+/- 5m

2.2. SURVEY KILOMETRAGE

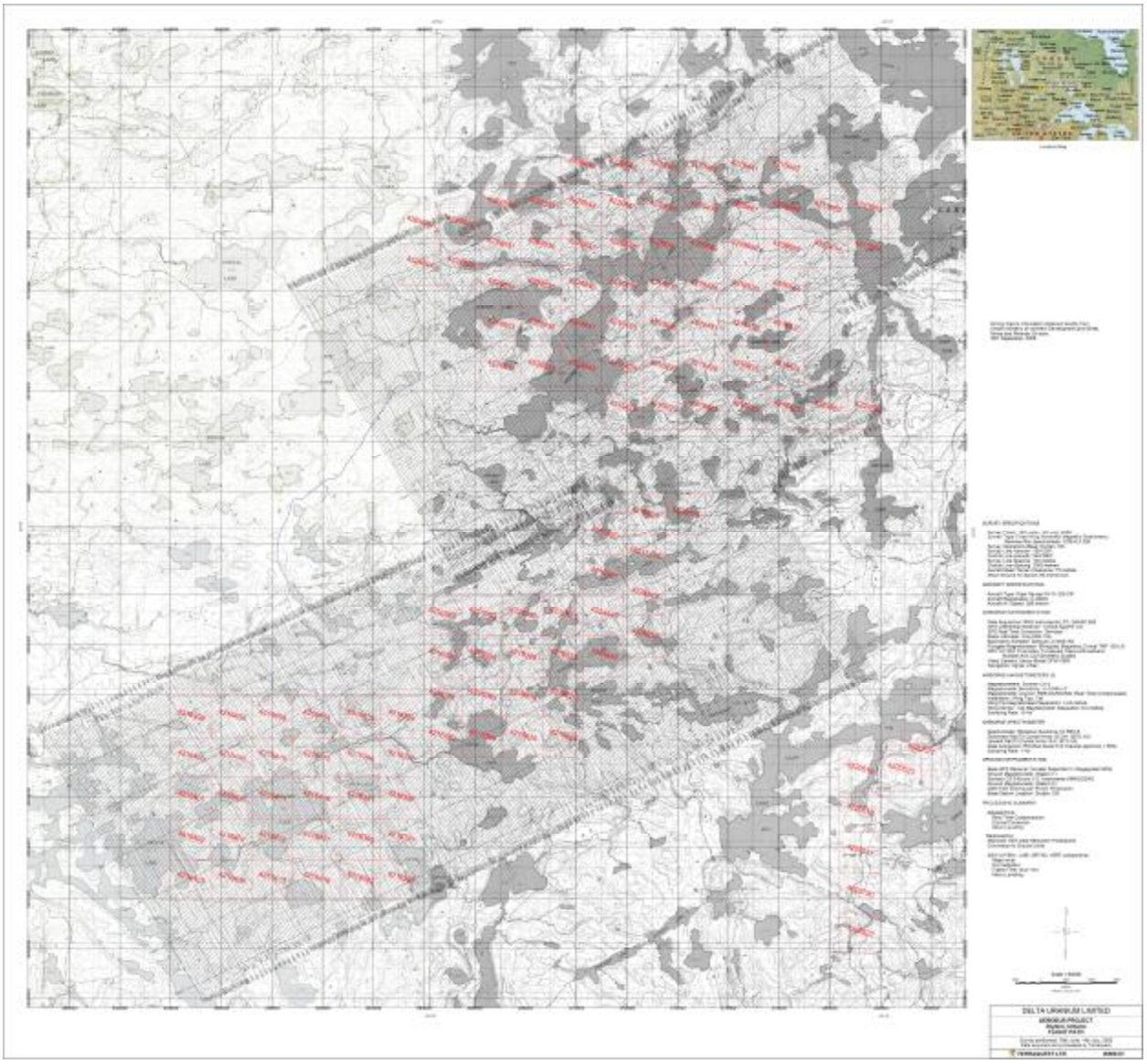
Survey Kilometers:	Amended July 04/08	
Lines	5,504.0 km	
Tie	881.9 km	
Total	6,385.9 km	

2.3. NAVIGATION SPECIFICATIONS

The following files are the navigation parameter files, which include the survey corner coordinates in NAD83 projection zones 17, line spacing, line direction, master line and other navigational parameters. The survey outline, corners 3 and 4 were modified during the survey.

```
0 AerobusQ7350-L
1  Z 15
2   455000      5548500        AREA CORNER 1
2   449000      5558000        AREA CORNER 2
2   464500      5566000        AREA CORNER 3
2   459000      5576000        AREA CORNER 4
2   480500      5585500        AREA CORNER 5
2   484500      5578000        AREA CORNER 6
2   480000      5575500        AREA CORNER 7
2   482000      5571500        AREA CORNER 8
2   477000      5569000        AREA CORNER 9
2   481500      5561500              AREA CORNER 10
4        120           NUMBER OF LINES
5      100.0             SPACING, m.
6    455000     5548500      MASTER LINE BL
7    449000     5580000      MASTER LINE TL
8         75           MAX CROSS TRACK, m.
9     0    0    0         DELTA X/Y/Z
10        1             LOG FPR EVERY 1 SECS
11 0.9996000000      0.0      0.0 K0, X/Y SHIFT
14       200             LINES EXTENDED BEYOND AREA
16        10             FIRST LINE NUMBER
17   455000    5548500    330.00      MASTER POINT, HEADING
20 WGS-84     6378137.0   298.257223563 22      ELLIPSOID
21        0           NO EQUATORIAL CROSSING
30       20   9600  N  1  8  RS-232 PORT 2 INCOMING FORMAT
31       20   9600  N  1  8  RS-232 PORT 1 OUTGOING FORMAT
38        0           METRIC SYSTEM
39        5           RACE TRACK
41      0.00             SYSTEM LAG, Sec.
80      0.00             PLANNED ALTITUDE, units
83        0           GPS ALTITUDE FOR VERTICAL BAR
85       100             MAX VERTICAL BAR SCALE
102  UTM                UTM X/Y SCALE
```

2.4. FLIGHT PLAN



2.5. TOLERANCES - REFLIGHT

1. **Traverse Line Interval**

   Re-flights would take place if the flight line separation of the final differentially corrected flight path is greater than 1.25 of the intended line separation over a distance greater than 1 kilometre.

2. **Terrain Clearance:**

   The aircraft mean terrain clearance was to be smoothly maintained at 70 metres MTC in a drape mode. Re-flights were done if the final differentially corrected altitude deviated from the specified flight altitude by +/-10m over a distance of 3 kilometres or more if, in the pilot's opinion, it was safe to do so.

3. **Diurnal Variation:**

   Diurnal activity in the survey was limited to 20 nT deviations from 5-minute chord.

4. **GPS Data:**

   GPS data included at least 4 satellites for navigation and flight path recovery. There were no significant gaps in any of the digital data including GPS and magnetic data.

5. **Radio Transmission:**

   The aircraft pilot makes no radio transmission that interferes with magnetic response.

6. **Sample Density:**

   A reflight is required if the sample density along one or more of the survey lines exceeds 10 metres over a cumulative total of 1000 metres for the magnetic survey, and 100 metres over a cumulative total of 1000 metres for the radiometric survey.

2.6. NAVIGATION

The satellite navigation system was used to ferry to the survey sites and to survey along each line. The survey coordinates were supplied by the client and were used to establish the survey boundaries and the flight lines. The flight path guidance accuracy is variable depending upon the number and condition (health) of the satellites employed. The accuracy was for the most part better than 10 metres. Real-time GPS correction using the Trimble receiver and Omnistar broadcast services for North America improves the navigational accuracy to about 3 metres or less in the horizontal plane and 4-5 metres in the vertical direction.

3. AIRBORNE GEOPHYSICAL EQUIPMENT

The primary airborne geophysical equipment includes three high sensitivity cesium vapour magnetometers, a gamma ray spectrometer and an XDS VLF-EM system. Ancillary support equipment includes a tri-axial fluxgate magnetometer, recorder, radar altimeter, barometric altimeter, GPS receiver with a real-time correction service, and a navigation system. The navigation system comprises a left/right indicator for the pilot and a screen showing the survey area, planned flight lines, and the real time flight path. All data were collected and stored by the data acquisition system. The following provides detailed equipment specifications:

3.1. EQUIPMENT SUMMARY

Aircraft	Piper Navajo PA 31-325 CR
Equipment:	
Magnetometer (3)	CS-3 Cesium Vapour
3-axis Magnetometer	Billingsley TFM100-G2
Gamma Ray Spectrometer	Radiation Solutions Inc. RSX-5
Gamma Ray Detector Packs	3075 in^3 (50.4 litres) Downward 512 in^3 (8.4 litres) Upward
VLF-EM	Terraquest Ltd: XDS system
GPS Receiver	Trimble AgGPS132
Radar Altimeter	King KRA 10A
Barometric Altimeter	Sensym
Data Acquisition & Compensation	RMS Inc. DAARC 500
Navigation	AgNav Inc. Linav
Tracking Camera	Sony DFW-SX910 (Colour) digital
Magnetic Specifications:	
Lateral Sensor separation	14.6 metres
Longitudinal Sensor separation	9.2 metres
Output Sample Rate	10 Hz
4^{th} difference noise envelope	0.10 from tail stinger
FOM index (Tail)	<1.5 nT
Sensor Sensitivity	0.001 nT

3.2. SURVEY AIRCRAFT

The Survey Aircraft for this project was a Navajo PA31-325 CR, owned and operated by Terraquest Ltd. The aircraft has been specifically modified with long-range fuel cells and an array of sensors to carry out airborne geophysical surveys.

3.3. SURVEY EQUIPMENT AND SPECIFICATIONS:

1. High Sensitivity Magnetometers:

Three high-resolution cesium vapour magnetometer, manufactured by Scintrex, are mounted in a tail stinger and two wing-tip pods. Fluxgate tri-axial magnetometer, model TFM100-LN by Billingsley Magnetics Ltd., is mounted in front of the tail stinger to monitor aircraft manoeuvre and magnetic interference. The magnetic data is post-flight compensated for aircraft manoeuvre noise.

Type of Magnetometer Sensor	Cesium Vapour
Model	CS-3
Manufacturer	Scintrex Ltd.
Resolution	0.001 nT counting at 0.1 per second
Sensitivity	+/- 0.005 nT
Dynamic Range	15,000 to 100,000 nT
Fourth Difference	0.02 nT
Recorded Sample Rate	0.1 seconds
Noise Envelope	0.10nT (Tail Mag)

2. Tri-Axial Fluxgate Magnetic Sensor

Tri-Axial Fluxgate Magnetic Sensor	(for compensation, mounted in mid-section of tail stinger)
Model	W/FM100G2-1F
Manufacturer	Billingsley Magnetics
Description	Low noise miniature triaxial fluxgate magnetometer
Axial Alignment	> Orthogonality > +/- 1 degree
Accuracy	< +/- 0.75% of full scale (0.5% typical)
Field Measurement	+/- 100,000 nanotesla
Linearity	< +/- 0.015% of full scale
Sensitivity	100 microvolt/nanotesla
Noise	< 12 picotesla RMS/–Hz @ 1 Hz

3. Radar Altimeter

Altimeter	Radar
Model	KRA-10A
Manufacturer	King
Serial Number	071-1114-00
Accuracy	5% up to 2,500 feet
Calibrate Accuracy	1%
Output	Analog for pilot, converted to digital for data acquisition

4. Barometric Altimeter

Altimeter	Barometric
Model	LX18001AN
Manufacturer	Sensym
Source	coupled to aircraft barometric system

5. Data Acquisition & Magnetic Compensation System

DAS & Compensation	Combined
Model	DAARC 500
Manufacturer	RMS Instruments
Operating System	QNX 6.3 or greater
Time	104 MHz temperature compensated crystal clock
Front End Magnetic Processing	Resolution 0.32pT; system noise <0.1pT; sample rate 160, 640, 800m or 1280 Hz
Front End - Fluxgate	I/F module; oversampling, self calibrating 16 bit A/D converter
Compensation	Improvement Ratio (total field) 10-20 typical

Input Serial	8 isolated RS232 channels; ASCII & Binary formats
Input Analog	16 bit, self calibrating A/D conv.
Input Events	Four latched event inputs
Raw Data Logging	At front end sampling rate, 1 MB buffer
Output/Recording	Rate 10, 20 or 40 Hz; Serial up to 115.2 kbps; Recording media 1 GB Flash; 80 GB Hard Drive; Flash disk via USB; Display
Front Panel Indicators	8 LEDs for mag input; 2 LEDs for Front End status

6. Gamma Ray Spectrometer

Radiometrics Type	Gamma Ray Spectrometer
Model	RSX-5
Manufacturer	Radiation Solutions Inc..
Downwards Volume	12 X 256 cubic inches down
Upwards Volume	2 X 256 cubic inches up
Software	Real Time Data Collection
Energy Detection Range	50KeV to 3 MeV
Count Rate	Up to 1000,000 pps communication
Collected Spectrum	256 Channels
Spectra Tracking	Individual detectors with recorded status of tuning
Time to Stabilization	Automatic on natural radionuclei
Spectra Stabilization	Automatic after system calibration
Windows (ROIs)	Additional to full spectra up to 22 special windows
Signal Sampling	20 MHz by internal 12 bit A to D for each detector
Peak Detector	Digital – time resolution 50 nsec.
Dead Time	Negligible for up to 60000 pulses/sec/detector
Pulse Rate per Detector	> 60000 pulses/sec. with negligible dead time
Channel Capacity	Serial among all units (detector, concentrator, host)

7. Navigation System

Navigation & Guidance	Stand alone module
Model	LiNav
Manufacturer	AgNav Inc.
Main Display	LCD Moving map display
Pilot Display	2 line shows left/right, dist. to end of line/survey/
Line	Generates and follows survey lines
Input	GPS with corrections; up to 10 Hz
Media	USB memory stick

8. GPS Differential Receiver

GPS Receiver	Differential
Model	Ag132
Manufacturer	Trimble
Antenna	Blade Helical
Channels	12
Position Update	0.5 second for navigation
Correction Service	Real time correction subscription – Omnistar
Sample Rate	1 second
Accuracy	~ 3 meters

9. Terraquest XDS VLF-EM System

The XDS VLF-EM System is currently being developed by Terraquest Ltd. and is included on this survey primarily to help further develop the system, but in addition if any useful data are obtained, then it may assist the client in their exploration program. It employs 3 orthogonal, air-core coils mounted in the pod of the tail stinger, and coupled with a receiver-console, tuned to receive a range of 22.0 kHz to 26.0 kHz (which includes both Cutler Maine NAA (frequency 24 kHz) and Seattle WA NLK (frequency 24.8 kHz), and measures the X, Y and Z directions of the VLF field. The vertical field is referenced to the line coil.

VLF - EM	
Model	XDS
Manufacturer	Terraquest Ltd.
Primary Source	Magnetic field component radiated from government VLF radio transmitter
Parameters Measured	X, Y and Z components, absolute field
Frequency Range	22.0 - 26.0 kHz
Gain	Constant gain setting
Filtering	No filtering

4. Base Station Equipment

4.1. BASE STATION MAGNETOMETER

High sensitivity magnetic base station data was provided by a cesium vapour magnetometer logging onto a computer and with time synchronization from the GPS base station receiver.

The magnetometer was the same as used in the aircraft, a CS-2 magnetometer manufactured by Scintrex. The magnetometer processor was a KMAG manufactured by Kroum VS Instruments and the data logger was an iPAQ PDA by Hewlett Packard. The counter was powered by a 10VAC 50/60hz to 30VDC 3.0 amp power supply with an internal 12VDC fan. The logging software SDAS-1 was written by Kroum VS Instrument Ltd. specifically for the pocket pc hardware. It supports real time graphics with selectable windows (uses two user selectable scales, coarse and fine). Time recorded was taken from the base GPS receiver. Magnetic data was logged at 2Hz. Data collection was by RS232 recording ASCII string and stored on flash card.

Ground Magnetometer	Cesium Vapour
Model	CS – 2
Manufacturer	Scintrex
Sensitivity	0.01 nT
Noise Envelope	0.05 nT
Sampling Interval	1 second
Minimum Range	50 -3,500 ft

4.2. BASE STATION GPS RECEIVER

Model	12 channel GPS
Manufacturer	Deluo
Type	L1, C/A code
Antenna	Built in patch
Logging Rate	1 per second
Power	5 VCD taken from iPAQ power supply

5. TESTS AND CALIBRATIONS

5.1. MAGNETIC FIGURE OF MERIT

Compensation calibration tests were performed to determine the magnetic influence of aircraft maneuvers and the effectiveness of the aircraft compensation method. The aircraft flew a square pattern in the four survey directions at a high altitude over a magnetically quiet area and perform pitches (± 5°), rolls (± 10°) and yaws (± 5°). The sum of the maximum peak-to-peak residual noise amplitudes in the total compensated signal resulting from the twelve maneuvers is referred to as the FOM. The FOM from the right wing, left wing and tail sensors on this survey are 1.26 nT, 1.12 nT and 0.85 nT respectively.

5.2. MAGNETIC LAG

A magnetic lag test was performed by flying a line with discrete anomalies in opposite directions to determine the time lag of the airborne system.

5.3. RADIOMETRIC SAMPLE CHECKS

The performance and consistency of gamma ray system was checked before and after each flight day using sample pucks of uranium, thorium and cesium to ensure that there was no change in the system during the survey.

5.4. RADIOMETRIC SENSITIVITY FACTORS

The radiometric system sensitivity was determined from measurements acquired over the Breckenridge calibration test site monitored by the GSC.

5.5. RADIOMETRIC ALTITUDE ATTENUATION

The radar calibration and altitude attenuation was determined from the results of flying over the runway.

5.6. RADIOMETRIC COMPTON COEFFICIENTS

A pad calibration was performed by the manufacturer prior to installation.

6. LOGISTICS

6.1. PERSONNEL

The contractor supplied the following properly qualified and experienced personnel to carry out the survey and to reduce, compile and report on the data:

Field:	Pilots	Bob Beaulac, Jim McLarty
	Operator	Mike Murphy
	Geophysicist	Carolyn Boone
Office:	Chief Geophysicist	Allen Duffy
	Geophysicist	Patrick Marchesi
	Manager	Charles Barrie

6.2. FLIGHT REPORTING

The aircraft and crew arrived in Dryden on June 18, 2008 and set up the base station. The survey was flown successfully in 19 flights, GXKS-006-024 including all tests and calibrations, over 21 days from June 19 to July 9, 2008. Three days were lost to weather.

A change in the nature of some of the XDS VLF-EM data occurred on flight 13, but because it was QC'd in profile format during the survey it was not detected until office processing. It was also disguised by another problem which was fixed successfully in the field after flight 13 (see appendix). In post survey investigation it was discovered to be caused by a short circuit in the receiver console. Final processing (Section 7.3) was able to recover the data satisfactorily; this demonstrates the robustness of the XS VLF-EM system.

6.3. BASE OF OPERATIONS

The main base of operations was at Dryden airport, Ontario. The base station (combined high sensitivity magnetic and GPS) was set up at the airport well away from cultural interference. Accommodations for the crew were at the Chalet Inn (807-223-2335). High speed internet was available.

7. Data Processing

7.1. DATA QUALITY CONTROL

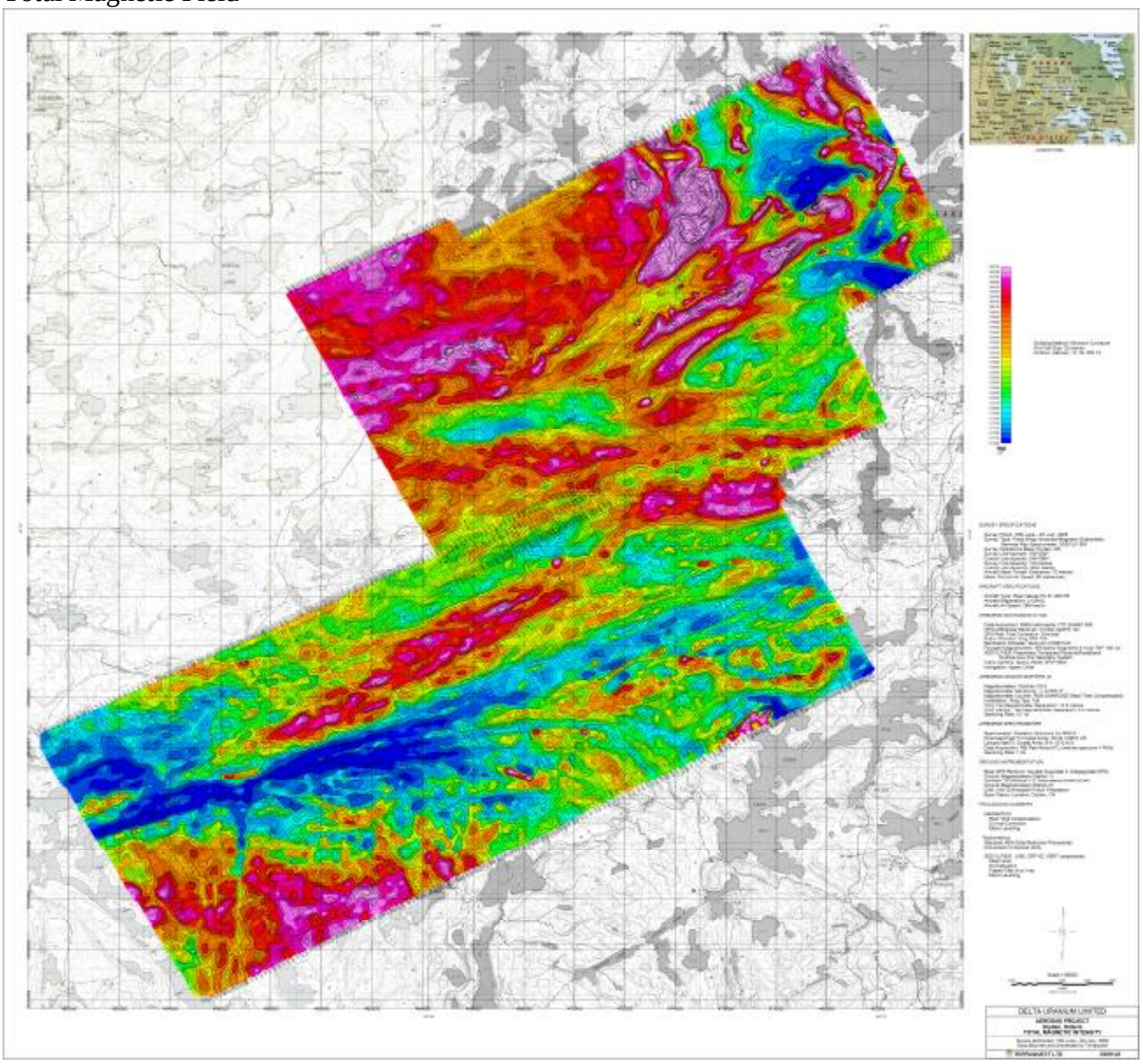
The field data were transmitted via internet back to the office to inspect the data for quality control and tolerances on all channels. This included any corrections to the flight path, making flight path plots, importing the base station data, creating a database on a flight-by-flight basis, and posting the data. All data were checked for continuity and integrity. Any errors or omission or data beyond tolerances were flagged for re-flight and the crew was notified ready for their flight in the morning.

7.2. FINAL MAGNETIC DATA PROCESSING

Raw magnetic data were initially compensated for aircraft motion effects prior to calculating measured longitudinal and lateral magnetic gradients. The lateral magnetic gradient was calculated by subtracting the left wing sensor reading from the right wing sensor reading and dividing the resulting value by the tip-to-tip separation (14.6 metres), yielding the measurement expressed as nT/m. The longitudinal gradient was similarly calculated by subtracting the tail sensor measurement from the average of the wing-tip values normalized by the wing-centre to tail sensor separation (9.2 metres). Both gradients were "DC shifted" by subtracting the median value on a line-by-line basis and converted from aircraft-centric to survey grid orientation by selectively inverting (multiplying by -1) in the south and westbound directions. The gradient data was subsequently verified by generating a Reconstructed Total Field (RTF) grid using the Lateral and Longitudinal data grids as input.

In the final correction process, the compensated tail sensor magnetic data were initially corrected with standard tie-line intersection leveling by tying the survey lines to the tie lines using GEOSOFT software. The total field was gridded and micro-leveled in the Fourier domain to reduce any linear noise along the flight path without degrading the geologic signal. The vertical magnetic gradient was subsequently calculated from the final processed total magnetic field data grid (originating from the Tail Sensor). The finalized datasets were gridded with minimum curvature procedure with a cell size of 25 metres.

Total Magnetic Field



7.3. FINAL ELECTROMAGNETC DATA PROCESSING

The Terraquest XDS-VLF system is currently in the developmental stage and as such only basic processing has been performed on this data. The x, y and z components of the XDS-VLF-EM data in the range of 22.0 to 26.0 kHz (which include Cutler and Seattle transmitter signals), were inverted, normalized, mean leveled and micro-leveled. The data were gridded with a cell size of 25 metres and presented as contour plots of the Line Field (Vcx) coil, Ortho Field (Vcp) coil and Vertical Field (Hcp).

During the final processing it was observed that the expected peak type anomaly changed to a cross-over type anomaly during flight 13 only in the Line component data. In a post survey investigation a short circuit was discovered in the receiver console. The post flight 13 data were rectified during processing by applying a derivative type formula (Fraser Filter) to convert the cross-over nature to peak type anomalies. This is shown in Map 12, XDS Line Component, where the eastern part of the map shows smooth normal Line data and the western part has been rectified by the derivative. In order to be uniform across the map, the data prior to flight 13 was then treated with a first vertical derivative to provide consistent resolution. The totally rectified version is shown as Map 13 XDS LINE Component Vertical derivative.

7.4. FINAL RADIOMETRIC DATA PROCESSING

The radiometric data were processed according to guidelines established in the definitive IAEA Technical Report "Airborne Gamma Ray Spectrometer Surveying" (IAEA Technical Reports Series No. 323, 1991). The following specifics were performed:

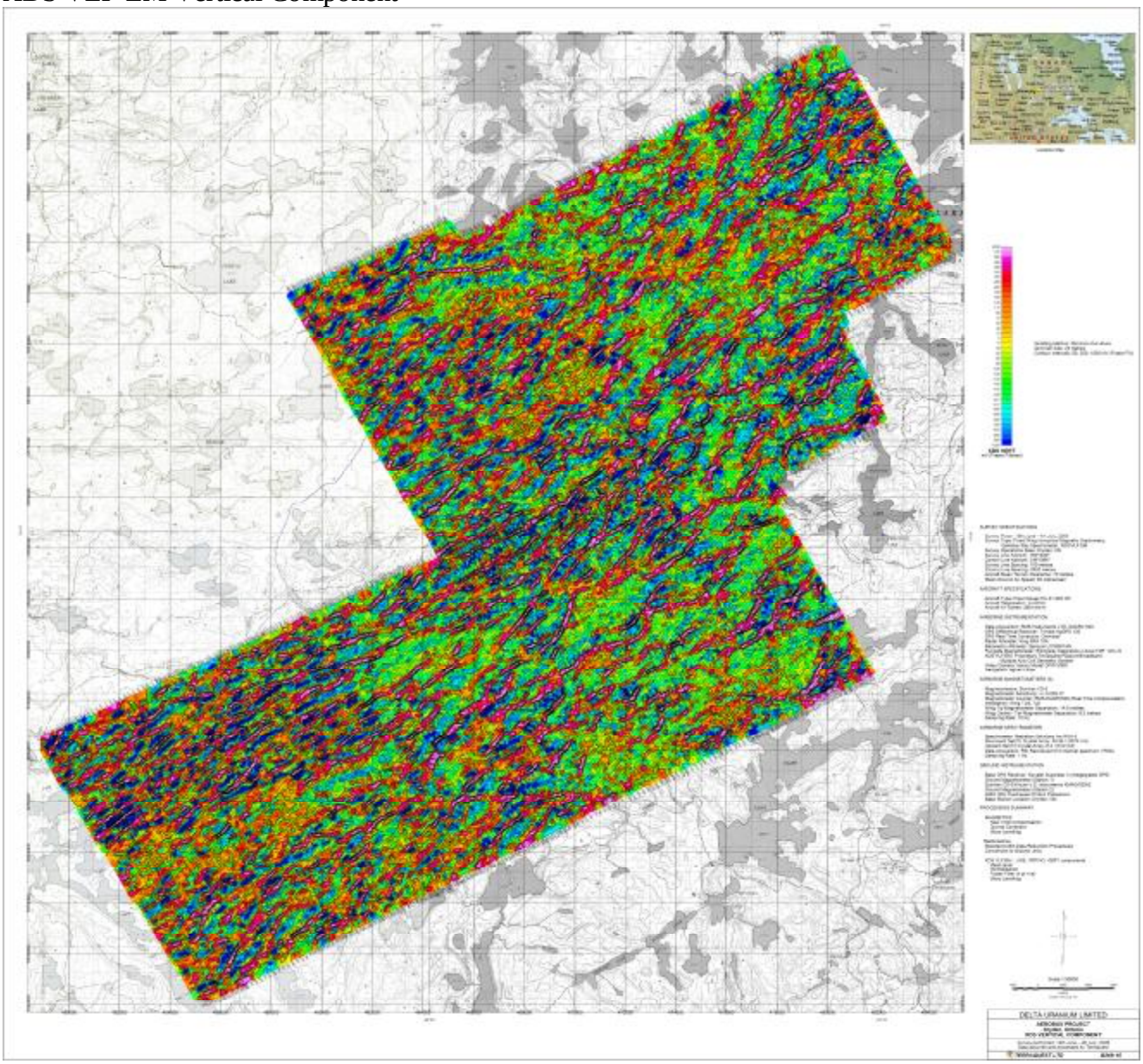
- Recorded as a 256 channel spectrum, the four raw integral (or "terrestrial") windows (Total Count, Potassium, Uranium and Thorium) were initially generated by summing the recorded counts between their appropriate channel limits – as specified below:

256 Channel ROI definitions (based on 0-255 channel indices):

Total Count:	30 - 233
Potassium:	115 - 131
Uranium:	139 - 156
Thorium:	201 - 233
Cosmic (>3 MeV):	255

- Since the Radiation Solutions Inc. RSX-5 Spectrometer does not suffer from conventional measurement "dead time", no discrete correction for this effect need be applied.

XDS VLF-EM Vertical Component



- The raw count rates were corrected for static and ambient background sources (Aircraft, Cosmic and Radon) by using measurements from the frequent over-water crossings encountered during the survey and from pre- and post- flight over-water 'background' lines (where geologic radiation sources are suppressed).

- The background corrected measurements were corrected for Compton Scattering by application of "Stripping Coefficients" experimentally determined in a specific calibration exercise using standard large-scale radio-element sources (see Appendices).

- Count rates were further adjusted by correction to constant terrain clearance (altitude attenuation correction). This correction step includes the application of exponential attenuation coefficients, specific to each of the four integral windows, determined during a specific calibration procedure (see Appendices).

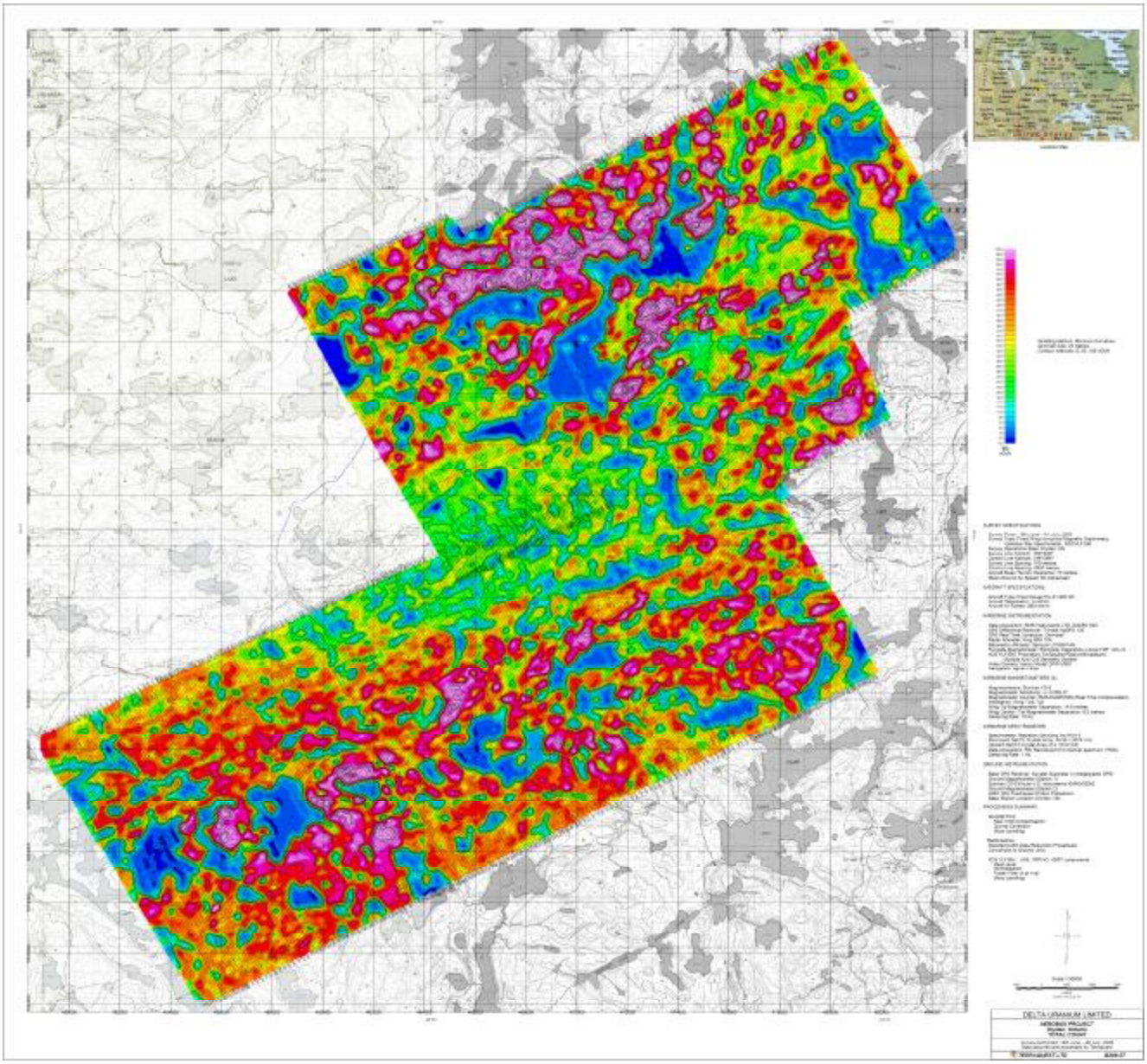
- As additionally recommended by the Geologic Survey of Canada, the final corrected count rates were passed through an optimized filter, sometimes referred to as a 'Savitsky-Golay' filter, designed to reduce sample overlap effects. This five-point convolution filter has the following (normalized) coefficients:

  -.0857, 0.3429, 0.4857, 0.3429, -0.0857

- Corrected radiometric data are delivered both as count rates (counts-per-second) and as effective ground units by application of sensitivity factors determined experimentally over the Geologic Survey of Canada's test range (Breckenridge Calibration Range, Ottawa - see Appendices). Applicable ground units for each of the four integral windows are as follows:

Total Count :	Exposure Rate, nanoGray/hour
Potassium :	Percent (%K)
Uranium:	Parts per Million equivalent Uranium (ppm eU)
Thorium:	Parts per Million equivalent Thorium (ppm eTh)

Total Count



7.5. LIST OF FINAL PRODUCTS

Two copies of the following colour maps with scanned topographic underlay were produced:

- Map 1: Flight Path
- Map 2: Total Magnetic Intensity of Tail Sensor (nT)
- Map 3: Reconstructed Total Magnetic Intensity
- Map 4: First Vertical Derivative of Tail Sensor (nT/m)
- Map 5: Measured Lateral Magnetic Gradient (nT/m)
- Map 6: Measured longitudinal Magnetic Gradient (nT/m)
- Map 7: Total Count
- Map 8: Potassium
- Map 9: Uranium
- Map 10: Thorium
- Map 11: Ternary Radiometrics
- Map 12: XDS VLF-EM Vcx Line
- Map 13: XDS VLF-EM Vcx Line (Vertical Derivative)
- Map 14: XDS VLF-EM Vcp Ortho
- Map 15: XDS VLF-EM Vcp Vertical
- Map 16: Digital Terrain Model (metres)

The following digital products were produced:

- Digital grid archives on CD-ROM in GEOSOFT
- All GEOSOFT MAP files used to generate the above listed final maps
- Digital Profile Archives on CD-ROM in GEOSOFT GDB format (compatible with 4.1 or higher)

8. SUMMARY

An airborne high sensitivity magnetic, XDS VLF-EM and gamma ray spectrometer survey was performed over the Aerobus Project in northern Ontario, located approximately 65 kilometres northwest of Dryden, Ontario, with 70 metre mean terrain clearance, 100 metre line intervals, 2,000 metre tie line interval, and with data sample points at 8 metres along the flight lines. The base of operations was at Dryden. A high sensitivity magnetic and a GPS base station located at the airport recorded the diurnal magnetic activity and reference GPS time during the survey for adherence to survey tolerances.

The data were subjected to final processing to produce two sets of the following colour maps:

a) **Magnetics**: total magnetic intensity of tail sensor and first vertical derivative; measured transverse and longitudinal gradients
b) **XDS VLF-EM**: x, y and z fields
c) **Radiometric:** Total Count, Potassium, Uranium and Thorium
d) **Flight Path** and **Digital Terrain Model**

All data have been archived as Geosoft database (GDB); all MAP and GRID files used to make the maps and this report are included in the archive.

The database, profile data and maps can be used along with any other existing geophysical data and geological information to design or augment an ongoing exploration program.

Respectfully Submitted,

Charles Barrie, M.Sc.
Vice President
Terraquest Ltd.

9. APPENDICES

9.1. APPENDIX I - CERTIFICATE OF QUALIFICATION

I, Charles Barrie, certify that I:

1) am registered as a Fellow with the Geological Association of Canada and work professionally as a geologist,
2) hold an Honours degree in Geology from McMaster University, Canada, obtained in 1977,
3) hold an M.Sc. in Geology from Dalhousie University, Canada, obtained in 1980,
4) am a member of the Prospectors and Developers Association of Canada,
5) am a member of the Canadian Institute of Mining , Metallurgy and Petroleum,
6) have worked as a geologist for over twenty eight years,
7) am employed by and am an owner of Terraquest Ltd., specializing in high sensitivity airborne geophysical surveys, and
8) have prepared this operations and specifications report pertaining to airborne data collected by Terraquest Ltd.

Markham, Ontario, Canada

Signed

Charles Q. Barrie, M.Sc.
Vice President, Terraquest Ltd.

9.2. APPENDIX II – DAILY LOG

18 JUNE 2008
Arrived in Dryden around 5pm and set-up the base stations same day. I'm recording some sample data.

19 JUNE 2008
Flight 006: Completed a RADAR Altimeter Test (100ft to 1000ft). I completed both a Calibration and Contractual FOM.
I Started survey on Delta Uranium's Aerobus Block, completing all control lines. I also did 2 water lines. The repeat line is 2220.
Base Station: The base stations are running fine;
Notes:
My FOM was no good. I have to fly another FOM tomorrow
Tomorrow morning I will open up the wingtip boom where the sensor lies and make sure it isn't loose. I'll also check inside the wing for anything moving around. I also have to do another FOM.
EM: I adjusted the LF channel on the EM this afternoon.
Tomorrow morning I will see what kind off effects the engines have on the LF channel.

20 JUNE 2008
Flight 007: Completed two FOMs: one on survey headings and one on cardinal headings.
Base Station: The base stations are running fine; nothing further to report.
EM: The LF channel does not saturate on engine-start-up. This is good.
Notes:
This morning before my flight I opened up the left wingtip pod to check the mag sensor for orientation and to see if it got loose. The mag sensors on the left and right are fine. I adjusted the left one by a degree or
The magnetic values of both mags remain similar.

21 JUNE 2008
Flight 008: Completed three FOMs: I used the LSQ from FOM1 for the Contractual FOM. It was hard to get a gradient less than 300nT. A simulation box gave me less than 100nT, but when I did the Calibration FOM, the gradient rose to 300nT or more. The LSQ from FOM1 was the only solution out of three FOMs (So 6 solutions) that had acceptable residual noise over the entire block.
Base Station: The base stations are running fine; nothing further to report.
EM: I haven't flown survey yet with the new gain setting on the LF channel. (I doubled the voltage while sitting on the ground, using ground power.)

Notes: Carolyn called me and confirmed my FOM was good to go. I can survey tomorrow. We plan to get 2 flights done.

22 JUNE 2008

Flight 009: Completed lines 4100 to 3660 inclusive; nothing to report.
Flight 010: Completed lines 3650 to 3280 inclusive; I noticed I wasn't getting Omnistar Differential Correction near the end of our flight. I investigated this and Omnistar released new frequencies on July 02 2008. We have differential GPS on XKS once more. I changed our frequency from 1530.359 to 1557.845. bps remain the same (1200).
Base Station: The GEM base station acted funny today. First, it couldn't lock onto a GPS signal. I changed the cable, which seemed to solve the problem; however, upon looking at the data it seems that instead of GPS timestamps it used record numbers.
Notes:
Tomorrow Jim is going to Sioux Lookout for a 50hr inspection. While he's gone I have to troubleshoot the GEM base station

23 JUNE 2008

I took the van into Canadian Tire. The diagnosis on the van is a coil not firing and spark plug failure. Jim left Dryden this morning and returned from Sioux Lookout this evening. There was nothing changed on the aircraft. A 50 hr inspection includes an oil change.

24 JUNE 2008

Weather conditions this morning prevented us from flying: it rained all night and there was a system right over our block. This afternoon winds kicked up to, gusting to, 25kts.
We picked Bob Beaulac today. Tomorrow morning Jim's going to go out for a few circuits around the airport with Bob before Jim gets out and I hop in.
Base Station: The base GEM base station has GPS again. I don't know why it had a problem last time we flew. The original cable I was using had a BNC to TNC adapter on it. After 'ringing' the cable to makes sure the shield wasn't touching the conductor, I replaced the BNC end with a TNC connector, eliminating the adapter.

25 JUNE 2008

Flight 011: Completed lines 3270 to 2990 inclusive; nothing to report.
Base Station: The base stations are running fine; nothing further to report.
Notes: We couldn't fly this morning due to weather. Jim took Bob up in the plane for a few circuits around the airport so Bob could re-familiarize himself with the aircraft. Bob and I did the flight this afternoon.

26 JUNE 2008

Flight 012: Completed lines 2980 to 2720 inclusive; nothing to report.
Flight 013: Completed lines 2710 to 2570 inclusive; nothing to report.

Base Station: The base stations are running fine; nothing further to report.
Notes: I found out today the EM Vertical channel is not responding correctly. After my two flights today I opened up the EM Console to adjust the LF Gain back to its original setting when I first arrived in Dryden. Originally, it was approximately -0.850v. This is what I have now.

27 JUNE 2008

We did not fly due to weather today. I did troubleshoot the EM however.
VERT I/P & O/P wires are fine… they are soldered.
The cut resistor was on the auxiliary board on the VERT channel.
I found a loose GND wire on VERT on the auxiliary board. I soldered it directly to Pin 6 on LMC6081 (I followed the PCB trace).
I re-tuned the LF Gain as the voltage was a little low… it is now at -0.850v.
During my ground test I noticed that ORTHO was saturated at -3VDC or more. Paul says that is OK since we're on the ground. In the air it doesn't saturate.

28 JUNE 2008

Today is a weather day.
Pat buses into Dryden today around 5pm.

29 JUNE 2008

Flight 014: Completed lines 2430 to 2010 inclusive; except line 2090 because I used it for the water line; nothing further to report.
Flight 015: Completed lines 2000 to 1680 inclusive; nothing further to report.
Base Station: The GEM base station is doing something weird. I always remove the files from the GSM-19 every night after downloading and backing-up the data. Today, however, it created more than 1 file. It had one file with only records, one file had 1 reading with GPS time @ 000nT, and one had data with GPS time.

30 JUNE 2008

Flight 016: Completed line 2090 and line 1680 to 1210 inclusive; nothing further to report.
Base Station: The base stations are running fine today. The GEM did not act up; it did not create more than one file.

01 JULY 2008

Flight 017: Pat completed some lines: 1200 to 1150 inclusive;
Base Station: The base stations are running fine today.

02 JULY 2008

Flight 018: I completed lines 10 to 230 inclusive; weather moved in on our block. The weather kept us from flying for the remainder of the day.
Base Station: The base stations are running fine today.

03 JULY 2008
Flight 019: Since we flew so late in the day and it is a short flight, Pat went up. He completed about 25 lines (3 hours)
Base Station: The base stations are running fine today.

04 JULY 2008
Flight 020: Completed lines 540 to 990 inclusive; I logged WinDaq.
Base Station: The base stations are running fine; nothing to report.
Notes: I went up with Bob this morning for our four-hour flight

05 JULY 2008
Flight 021: Pat completed 26 more lines
Base Station: The base stations are running fine; nothing to report.

06 JULY 2008
Flight 022: I completed lines 530, 2440 to 2560 inclusive, and lines 4880 to 4410 inclusive.
Base Station: The base stations are running fine; nothing to report.
Notes: Winds gusting 27kts and rain on the block prevented a second flight today.

07 JULY 2008
Flight 023: Pat completed the remaining traverse lines on the extended block. B269EX—L.NME. He completed a 4 hour flight.
Base Station: The base stations are running fine; nothing to report.
Notes: There's a 100 hour inspection in 7.7 hours. Bob says he needs 4 hours to get to Buttonville, so that leaves us with 3.7 hours. This is enough to do the remainder of the control lines and some re-fly lines.

08 JULY 2008
We could not fly today. It rained most of the day.

09 JULY 2008
Flight 24: A pre-flight sample check was performed. Flew and completed all tie lines and reflights. Survey completed. A post-flight sample check was performed. We also took down the base stations, uploaded the data, and placed all videos onto CD's. Three copies of each CD were created for backup.

9.3. APPENDIX III – FIGURE OF MERIT

FOM INDEX :C-GXKS - FLIGHT XKS008 21 JUN 2008 / DRYDEN,ON

FOM TEST #4 - SET "A"

MAG 1

DIR	TRAV FLG	LINE	PITCH		ROLL		YAW			P	R	Y	SUM
			MAX	MIN	MAX	MIN	MAX	MIN					
N	*	9010	0.10	-0.14	0.05	-0.05	0.01	-0.06		0.24	0.10	0.07	0.41
E		9020	0.03	-0.08	0.01	-0.04	0.02	-0.03		0.11	0.05	0.05	0.21
S	*	9030	0.06	-0.06	0.02	-0.04	-0.01	-0.07		0.12	0.06	0.06	0.24
W		9040	0.06	-0.16	0.04	-0.04	0.05	-0.05		0.22	0.08	0.10	0.40
									SUM	0.69	0.29	0.28	1.26
									FOM	1.26			
									FOM TRAVERSE ONLY	0.65	(x2 :	1.30	)

MAG 2

DIR	TRAV FLG	LINE	PITCH		ROLL		YAW			P	R	Y	SUM
			MAX	MIN	MAX	MIN	MAX	MIN					
N	*	9010	0.03	-0.04	0.06	-0.02	0.08	-0.04		0.07	0.08	0.12	0.27
E		9020	0.05	-0.04	0.02	-0.06	0.05	-0.02		0.09	0.08	0.07	0.24
S	*	9030	0.05	-0.06	0.02	-0.03	-0.01	-0.07		0.11	0.05	0.06	0.22
W		9040	0.08	-0.10	0.03	-0.08	0.05	-0.05		0.18	0.11	0.10	0.39
									SUM	0.45	0.32	0.35	1.12
									FOM	1.12			
									FOM TRAVERSE ONLY	0.49	(x2 :	0.98	)

MAG 3

DIR	TRAV FLG	LINE	PITCH		ROLL		YAW			P	R	Y	SUM
			MAX	MIN	MAX	MIN	MAX	MIN					
N	*	9010	0.03	-0.13	0.02	-0.05	0.00	-0.03		0.16	0.07	0.03	0.26
E		9020	0.02	-0.07	-0.01	-0.03	0.02	-0.03		0.09	0.02	0.05	0.16
S	*	9030	0.05	-0.05	0.00	-0.02	0.01	-0.02		0.10	0.02	0.03	0.15
W		9040	0.05	-0.11	0.03	-0.03	0.03	-0.03		0.16	0.06	0.06	0.28
									SUM	0.51	0.17	0.17	0.85
									FOM	0.85			
									FOM TRAVERSE ONLY	0.41	(x2 :	0.82	)

9.4. APPENDIX IV – RADAR ALTIMETER CALIBRATION

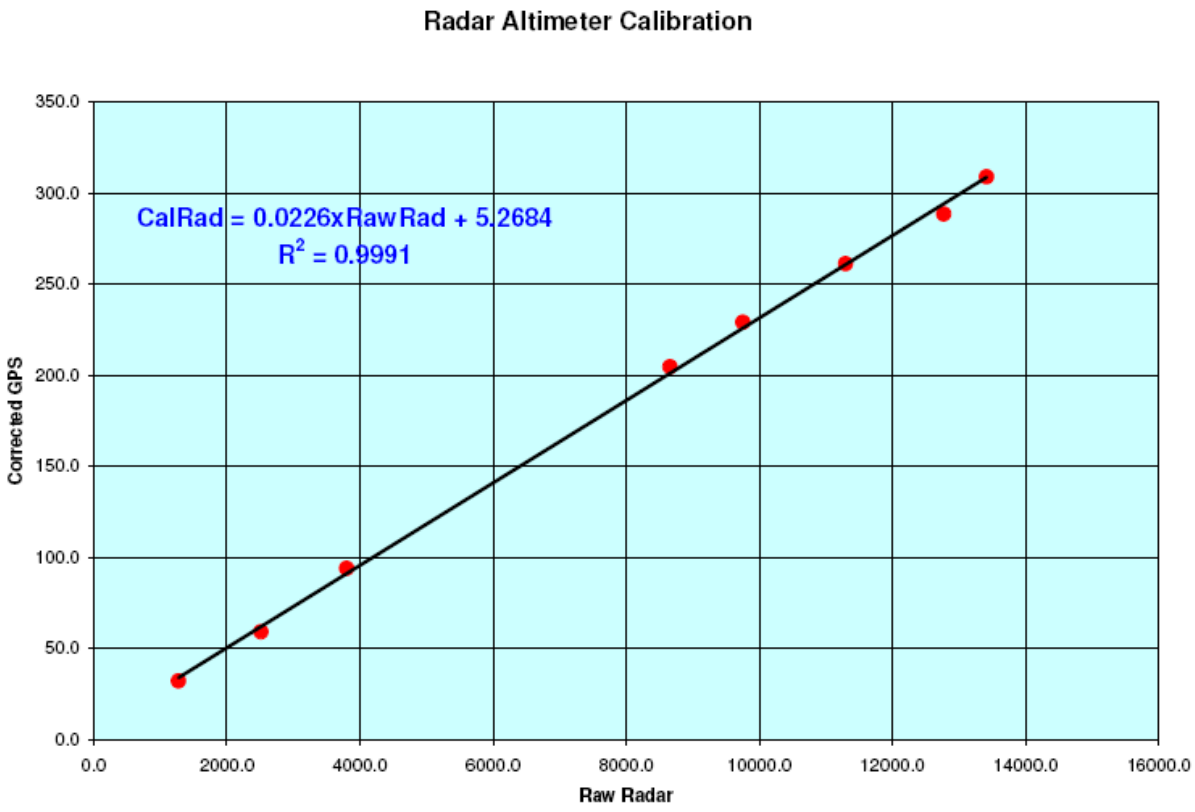
Terraquest LTD Radar Altimeter Calibration 08/12/2008

B269: RADAR CALIBRATION DATA SUMMARY
Calibration performed 19 JUN 08, Flight XKS006 (DRYDEN, ON)

					INTERCEPT	5.2684	
					SLOPE	0.022624	
LINE	RAW RADAR	GPS ALT	CORRECTED GPS ALT	RAW RADAR	CALIBRATED RADAR		ERROR *
Ground Ref		412.1	0.0				
L80100:6	1276.0	444.4	32.3	1276.0	34.1		1.8
L80200:6	2515.0	471.4	59.3	2515.0	62.2		2.9
L80300:6	3800.0	506.2	94.1	3800.0	91.2		-2.9
L80600:6	8657.0	616.8	204.7	8657.0	201.1		-3.6
L80700:6	9755.0	641.3	229.2	9755.0	226.0		-3.2
L80800:6	11296.0	673.3	261.2	11296.0	260.8		-0.4
L80900:6	12772.0	700.7	288.6	12772.0	294.2		5.6
L81000:6	13413.0	721.1	309.0	13413.0	308.7		-0.3

** Error estimated as (Calibrated Radar) - (Corrected GPS Alt)*

Terraquest LTD Radar Altimeter Calibration 08/12/2008



9.5. APPENDIX V – COMPTON COEFFICIENTS

RADIATION SOLUTIONS INC

CALIBRATION SHEET

Instrument: **RSX-5**

Customer: Terraquest
Contact: Charles Barrie
Console : N/A
Detector 1: 5914
Detector 2: N/A

Date: April 6, 2008
Tech. GP
Job Order: SO#
Customer PO PO#

Channels: 1024 ADC Offset: N/A

	A1	A2	A3	A4	A5
High Voltages	920	861	884	840	871

Stripping Constant	"this system"	"poor"	"normal"
Alpha	0.276	0.380	0.250
Beta	0.448	0.430	0.400
Gamma	0.764	0.920	0.810
A	0.046	0.090	0.050
B	0.003	0.010	0.003
G	0.000	0.060	0.003

ROI#	Channel	IAEA Specification [keV]	Label
1	137-837	410-2810	Total Count
2	457-525	1370-1570	Potassium K
3	553-620	1660-1860	Uranium U
4	803-937	2410-2810	Thorium Th
5			
6			
7			
8	553-840	1660-1860	Uranium Upper U

ROI#	Cs FWHM	Peak	Th FWHM	Peak
A1	7.75	221.79	4.01	871.84
A2	7.75	220.87	4.20	871.75
A3	7.71	220.56	4.08	872.08
A4	7.29	220.88	4.07	872.18
Sum Dn	7.40	221.08	4.10	871.95
Sum Up	7.30	219.88	4.45	871.21

[illegible] Boul. E, Unit 4, Mississauga, Ontario Canada L4Z 1V4 • Tel (905) 890-1111 • Fax (905) 890-1864 • e-mail: sales@[illegible]

RADIATION SOLUTIONS INC

CALIBRATION SHEET

Instrument: **RSX-5**

Customer:	Terraquest	Date:	April 8, 2008
Contact:	Charles Barrie	Tech.:	GP
Console :	N/A	Job Order:	SO#
Detector 1:	5515	Customer PO	PO#
Detector 2:	N/A		

Channels: 1024 **ADC Offset:** N/A

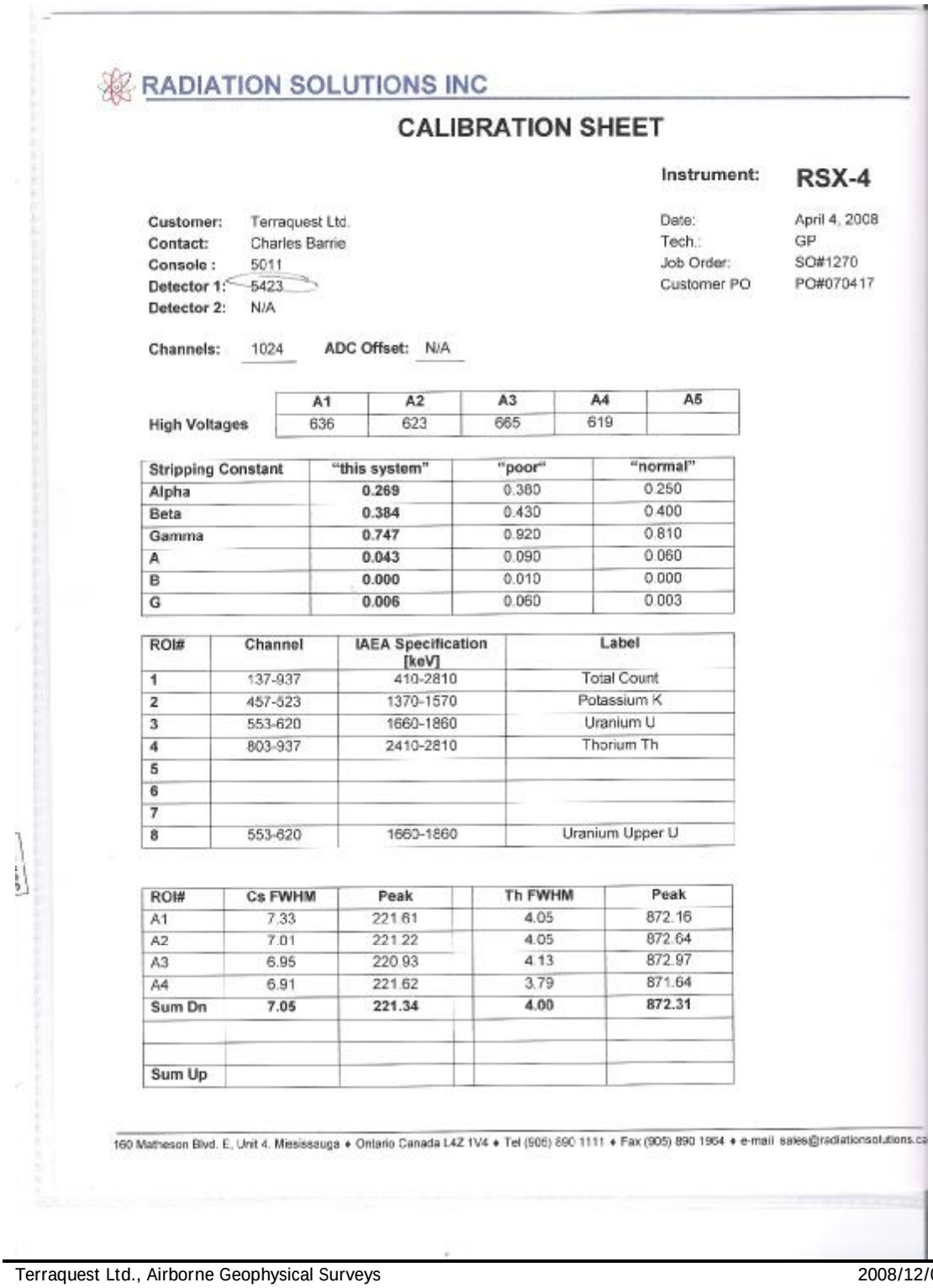
	A1	A2	A3	A4	A5
High Voltages	630	655	595	647	683

Stripping Constant	"this system"	"poor"	"normal"
Alpha	**0.272**	0.380	0.250
Beta	**0.414**	0.430	0.400
Gamma	**0.775**	0.920	0.810
A	**0.049**	0.090	0.060
B	**0.003**	0.010	0.000
G	**0.000**	0.060	0.003

ROI#	Channel	IAEA Specification [keV]	Label
1	137-937	410-2810	Total Count
2	457-523	1370-1570	Potassium K
3	553-620	1660-1860	Uranium U
4	803-937	2410-2810	Thorium Th
5			
6			
7			
8	553-620	1660-1860	Uranium Upper U

ROI#	Cs FWHM	Peak		Th FWHM	Peak
A1	7.19	221.32		4.17	872.65
A2	7.72	220.71		4.29	871.38
A3	7.25	220.73		3.94	872.45
A4	7.25	221.44		4.36	872.72
Sum Dn	**7.34**	**221.05**		**4.19**	**872.31**
Sum Up	**7.98**	**219.92**		**4.47**	**871.05**

160 Matheson Blvd. E, Unit 4 Mississauga ♦ Ontario Canada L4Z 1V4 ♦ Tel (905) 890 1111 ♦ Fax (905) 890 1964 ♦ e-mail sales@radiationsolutions.ca



RADIATION SOLUTIONS INC

CALIBRATION SHEET

Instrument: **RSX-4**

Customer: Terraquest Ltd.
Contact: Charles Barrie
Console : 5011
Detector 1: 5423
Detector 2: N/A

Date: April 4, 2008
Tech.: GP
Job Order: SO#1270
Customer PO PO#070417

Channels: 1024 **ADC Offset:** N/A

	A1	A2	A3	A4	A5
High Voltages	636	623	665	619	

Stripping Constant	"this system"	"poor"	"normal"
Alpha	**0.269**	0.380	0.250
Beta	**0.384**	0.430	0.400
Gamma	**0.747**	0.920	0.810
A	**0.043**	0.090	0.060
B	**0.000**	0.010	0.000
G	**0.006**	0.060	0.003

ROI#	Channel	IAEA Specification [keV]	Label
1	137-937	410-2810	Total Count
2	457-523	1370-1570	Potassium K
3	553-620	1660-1860	Uranium U
4	803-937	2410-2810	Thorium Th
5			
6			
7			
8	553-620	1660-1860	Uranium Upper U

ROI#	Cs FWHM	Peak		Th FWHM	Peak
A1	7.33	221.61		4.05	872.16
A2	7.01	221.22		4.05	872.64
A3	6.95	220.93		4.13	872.97
A4	6.91	221.62		3.79	871.64
Sum Dn	**7.05**	**221.34**		**4.00**	**872.31**
Sum Up					

160 Matheson Blvd. E, Unit 4, Mississauga ♦ Ontario Canada L4Z 1V4 ♦ Tel (905) 890 1111 ♦ Fax (905) 890 1964 ♦ e-mail sales@radiationsolutions.ca

C-GXKS : RSI TRI-PACK CALIBRATION VALS (from RSI - 04-APR-08)

Channel Definitions:

ROI	CHANNEL LIMS		IAEA SPEC (keV)		
	START	END	LOWER	UPPER	LABEL
1	137	937	410	2810	Total Count
2	457	523	1370	1570	Potassium
3	553	620	1660	1860	Uranium
4	803	937	2410	2810	Thorium

Calibration results:

Detector ID	Type	Alpha	Beta	Gamma	A	B	G
5514	RSX-5	0.2760	0.4180	0.7640	0.0460	0.0030	0.0000
5515	RSX-5	0.2720	0.4140	0.7750	0.0490	0.0030	0.0000
5423	RSX-4	0.2690	0.3840	0.7470	0.0430	0.0000	0.0060
Average		**0.2723**	**0.4053**	**0.7620**	**0.0460**	**0.0020**	**0.0020**

9.6. APPENDIX VI – ALTITUDE ATTENTUATION

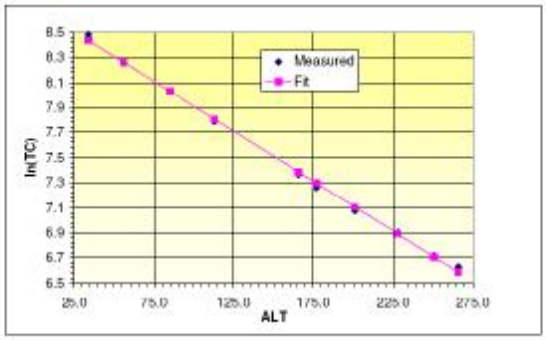
TERRAQUEST C-GXKS / RMS-R5I Config RADIOMETRIC ALTITUDE ATTENUATION CALIBRATION *Performed :19 June 2007, Flight XKS006, Dryden, ON*					
LINE	Average Clearance * (metres)	TC (cor. CPS)	K (cor. CPS)	U (cor. CPS)	TH (cor. CPS)
L801006	34.0	4826.0	538.0	76.0	97.0
L802006	56.0	3842.0	421.0	54.0	76.0
L803006	85.0	3065.0	303.0	42.0	65.0
L804006	113.0	2409.0	228.0	33.0	49.0
L805006	166.0	1581.0	139.0	15.0	36.0
L806006	177.0	1422.0	119.0	16.0	29.0
L807006	201.0	1181.0	98.0	16.0	23.0
L808006	228.0	993.0	76.0	14.0	18.0
L809006	251.0	826.0	66.0	9.0	19.0
L810006	286.0	757.0	55.0	9.0	16.0

** Average Clearances have been corrected to STP*

ALTITUDE ATTENUATION COEFFICIENTS *Calculated by LSQ fit to : $\ln(N) = ALT^*\mu + \ln(N_0)$ relation*				
TC	μ_{TC} =	-0.007988	$\ln(N_0)_{TC}$ =	8.7062
K	μ_K =	-0.009722	$\ln(N_0)_K$ =	6.5822
U	μ_U =	-0.008989	$\ln(N_0)_U$ =	4.5016
Th	μ_{Th} =	-0.007837	$\ln(N_0)_{Th}$ =	4.9025

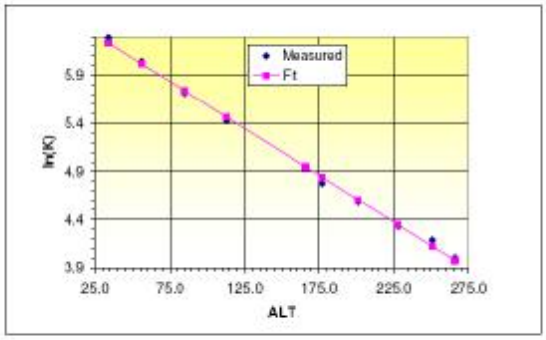
ALTITUDE DEPENDENCE: TOTAL COUNT

ALT	ln(N)	FIT
34.0	8.4818	8.4353
56.0	8.2537	8.2600
85.0	8.0278	8.0289
113.0	7.7870	7.8058
166.0	7.3658	7.3835
177.0	7.2598	7.2959
201.0	7.0741	7.1047
228.0	6.9007	6.8895
251.0	6.7166	6.7063
286.0	6.8294	6.5868



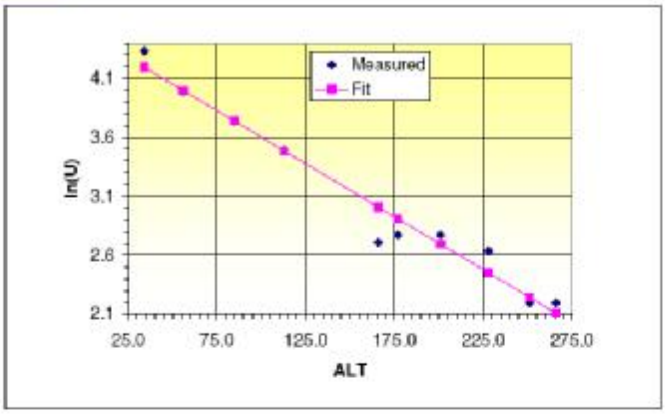
ALTITUDE DEPENDENCE: POTASSIUM

ALT	ln(N)	FIT
34.0	5.2879	6.2328
56.0	5.0426	6.0187
85.0	5.7137	5.7988
113.0	5.4293	5.4646
166.0	4.9245	4.9499
177.0	4.7791	4.8423
201.0	4.5850	4.6096
228.0	4.3307	4.3486
251.0	4.1897	4.1229
286.0	4.0073	3.9771



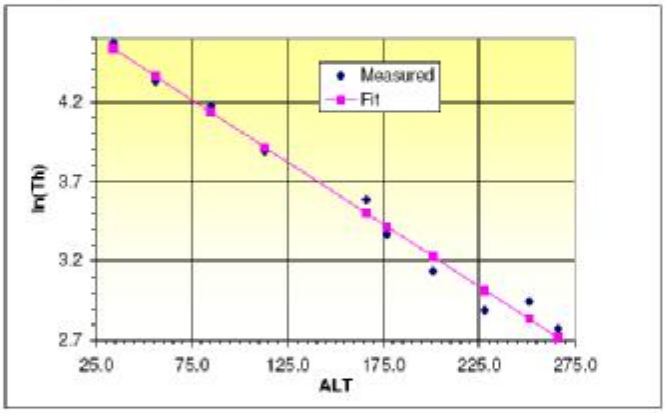
ALTITUDE DEPENDENCE: URANIUM

ALT	ln(N)	FIT
34.0	4.3307	4.1959
56.0	3.9890	3.9982
85.0	3.7377	3.7375
113.0	3.4965	3.4859
166.0	2.7081	3.0095
177.0	2.7726	2.9106
201.0	2.7726	2.6949
228.0	2.8391	2.4522
251.0	2.1972	2.2454
286.0	2.1972	2.1106



ALTITUDE DEPENDENCE: THORIUM

ALT	ln(N)	FIT
34.0	4.5747	4.5360
56.0	4.3307	4.3936
85.0	4.1744	4.1363
113.0	3.8918	3.9169
166.0	3.5835	3.5015
177.0	3.3673	3.4153
201.0	3.1355	3.2272
228.0	2.8904	3.0156
251.0	2.9444	2.8353
286.0	2.7726	2.7178



9.7. APPENDIX VII – SENSITIVITY FACTORS

Measured Ground Values:	
Exp (TC) : nGy/hr	52.1900
%K	1.8570
ppm U	1.2490
ppm Th	7.8500

C-GXKS: Ottawa Calibration, Breckendridge Test Line 28 May 2008

**** Radar Altimeter values adjusted to STP
TC,K,U,Th have been stripped with height adjusted values

Line	Clearance (metres)	TC (cps)	K (cps)	U (cps)	Th (cps)	STC (cps/unit)	SK (cps/unit)	SU (cps/unit)	STH (cps/unit)
200	58.0	2919.29	310.39	25.47	76.28	55.94	167.15	21.19	9.72
300	84.4	2397.38	245.74	20.52	63.05	45.94	132.33	16.43	8.03
400	114.0	1939.94	189.37	16.41	49.72	37.17	101.98	13.14	6.33
500	145.5	1546.37	139.55	13.41	40.67	29.63	75.15	10.74	5.18
600	180.4	1218.60	101.73	10.91	31.64	23.31	54.78	8.73	4.03
700	206.5	1008.39	83.75	8.36	26.61	19.32	45.10	5.09	3.39
800	234.4	844.55	64.35	6.32	22.24	16.18	34.65	5.06	2.83

		"m"	"b"
Exponential Fit Parameters:	TC	0.9930	83.3523
	K	0.9911	279.9289
	U	0.9917	34.4941
	TH	0.9930	14.3835

Calculated Sensitivities	
CLEARANCE:	70
TC	50.90
K	149.84
U	19.20
TH	8.81

9.8. APPENDIX VIII – RADIOMETRIC COEFICIENTS

RADIOMETRIC CORRECTION COEFFICIENTS				
AIRCRAFT: Piper Navajo 325 (C-GXKS)				
RSI RSX /w 3072 in^3 DOWN (512 in^3 UP)				
B269, Delta Uranium Ltd, Dryden,ON - Jun-Jul, 2008				
ROI				
		512 CHN #	**512 CHN #**	(Array indices: 0:511)
	TC	69	469	
	K	229	262	
	U	277	310	
	Th	402	469	
	COSMIC	511	511	
Cosmic Coefficients:		"a"	"b"	
	TC			*n/a*
	K			
	U			
	Th			
Compton Coefficients:				
	α	0.2723		*-from RSI, April 2008*
	β	0.4053		
	γ	0.7620		
	a	0.0460		
Altitude Attenuation:	*Flight XKS006,19 June 2008, Dryden, ON*			
	TC	0.007968	m^{-1}	
	K	0.009722	m^{-1}	
	U	0.008989	m^{-1}	
	Th	0.007837	m^{-1}	
Sensitivities (@70 metres)				
	TC	50.90	nGy/hr	*-calculated for 70m clearance*
	K	149.84	%K	(Breckenridge Test, 28 May 2008)
	U	19.20	ppm eU	
	Th	8.81	ppm eTh	

9.9. APPENDIX IX – README FILE

Terraquest Ltd. Aeromagnetic/Spectrometer/XDS-VLF Survey Project B-269
December, 2008

for
DELTA URANIUM LIMITED
AEROBUS PROJECT, Dryden, Ontario

FINAL DATA ARCHIVE

CONTENTS >>>>>

1. ARCHIVE INVENTORY
2. GEOSOFT OASIS MONTAJ (.GDB, .GBN) DATABASE CONTENTS
3. DATA GRIDS
4. MAPS
5. JPEGS
6. README

1. ARCHIVE INVENTORY

Inventory of project data files submitted (incl. associated sub-folder name) :

README.TXT

Data\B269ARC.gdb

Grids\TotalMagneticIntensity.grd,.gi
Grids\ReconstructedTotalField.grd,.gi
Grids\VerticalDerivative.grd,.gi
Grids\MeasuredLateralGradient.grd,.gi
Grids\MeasuredLongitudinalGradient.grd,.gi
Grids\DigitalTerrain.grd,.gi
Grids\TotalCount_cps.grd,.gi
Grids\TotalCount_gu.grd,.gi
Grids\Potassium_cps.grd,.gi
Grids\Potassium_gu.grd,.gi

Grids\Uranium_cps.grd,.gi
Grids\Uranium_gu.grd,.gi
Grids\Thorium_cps.grd,.gi
Grids\Thorium_gu.grd,.gi
Grids\XDSLine.grd,.gi
Grids\XDSLine_VD.grd,.gi
Grids\XDSOrtho.grd,.gi
Grids\XDSVert.grd,.gi

Maps\FlightPath.map,.gm
Maps\TotalMagneticIntensity.map,.gm
Maps\VerticalDerivative.map,.gm
Maps\ReconstructedTotalField.map,.gm
Maps\MeasuredLateralGradient.map,.gm
Maps\MeasuredLongitudinalGradient.map,.gm
Maps\DigitalTerrain.map,.gm
Maps\TotalCount.map,.gm
Maps\Potassium.map,.gm
Maps\Uranium.map,.gm
Maps\Thorium.map,.gm
Maps\Ternary.map,.gm
Maps\XDS_Line.map,.gm
Maps\XDS_LineVD.map,.gm
Maps\XDS_Ortho.map,.gm
Maps\XDS_Vert.map,.gm

Jpegs\FlightPath.jpg,.gi
Jpegs\TotalMagneticIntensity.jpg,.gi
Jpegs\ReconstructedTotalField.jpg,.gi
Jpegs\VerticalDerivative.jpg,gi
Jpegs\MeasuredLateralGradient.jpg,.gi
Jpegs\MeasuredLongitudinalGradient.jpg,.gi
Jpegs\DigitalTerrain.jpg,.gi
Jpegs\TotalCount.jpg,.gi
Jpegs\Potassium.jpg,.gi
Jpegs\Uranium.jpg,.gi
Jpegs\Thorium.jpg,.gi
Jpegs\Ternary.jpg,.gi
Jpegs\XDS_Line.jpg,.gi
Jpegs\XDS_LineVD.jpg,.gi
Jpegs\XDS_Ortho.jpg,.gi

Jpegs\XDS_Vert.jpg,.gi

ReadMe\README.TXT

2. GEOSOFT OASIS MONTAJ (.GDB, GBN) DATABASE CONTENTS

Data is delivered in both Geosoft database (GDB) and Geosoft Binary archive (GBN) formats. Data files
for the AEROBUS LAKE project contain the following channels:

XWIN UTM Easting Zone 15 [WGS 84] World / [NAD83] Canada; Central America; Mexico; USA (ex Hawaii Aleutian Islands) (m)
YWIN UTM Northing Zone 15 [WGS 84] World / [NAD83] Canada; Central America; Mexico; USA (ex Hawaii Aleutian Islands) (m)
RMSFID Fiducial (s)
GPGGA_TIME Time (GPS day seconds)
RADALT Aircraft Radar Terrain Clearance (m)
GPGGA_ALT Aircraft Elevation [WGS 84] World (m)
GPGGA_LAT Latitude [WGS 84] World (decimal degrees)
GPGGA_LON Longitude [WGS 84] World (decimal degrees)
DIURNAL Base Station Diurnal TMI (nT) - Station 1 (Cesium)
DIURNAL_2 Base Station Diurnal TMI (nT) - Station 2 (Proton)
VMX X-component of Fluxgate Magnetometer (nT)
VMY Y-component of Fluxgate Magnetometer (nT)
VMZ Z-component of Fluxgate Magnetometer (nT)
TF1UNC Raw Left Wingtip Sensor Total Magnetic Intensity (nT)
TF2UNC Raw Right Wingtip Sensor Total Magnetic Intensity (nT)
TF3UNC Raw Tail Sensor Total Magnetic Intensity (nT)
TF1CMP Compensated Left Wingtip Sensor Total Magnetic Intensity (nT)
TF2CMP Compensated Right Wingtip Sensor Total Magnetic Intensity (nT)
TF3CMP Compensated Tail Sensor Total Magnetic Intensity (nT)
FNLTF3 Final corrected, levelled Tail Sensor Total Magnetic Intensity (nT)
HGX Measured Lateral Component of Horizontal Magnetic Gradient (nT/m)
HGY Measured Longitudinal Component of Horizontal Magnetic Gradient (nT/m)
RTF Reconstructed Total Magnetic Field (from measured horizontal gradients)
FDTM Digital Terrain Model Zone 15 [WGS 84] World / [NAD83] Canada; Central America; Mexico; USA (ex Hawaii Aleutian Islands) (m)
SPC_DOWN Downward looking 256 channel Radiometric Gamma Ray Spectrum
SPC_UP Downward looking 256 channel Radiometric Gamma Ray Spectrum
TEMP Outside Air Temperature (deg C)
RAWTC Raw Windowed Total Count (cps)

RAWK Raw Windowed Potassium (cps)
RAWU Raw Windowed Thorium (cps)
RAWTH Raw Windowed Uranium (cps)
RAWCOS Raw Windowed Cosmic Channel (cps)
FTC Corrected Total Count, expressed in cps
FK Corrected Potassium , expressed in cps
FU Corrected Uranium , expressed in cps
FTH Corrected Thorium , expressed in cps
STC Corrected Total Count, expressed in ground units (nGy/h)
SK Corrected Potassium , expressed in ground units (%K)
SU Corrected Uranium , expressed in ground units (ppm eU)
STH Corrected Thorium , expressed in ground units (ppm eTh)
LINETOTAL Raw XDS Line component
ORTHOTOTAL Raw XDS Ortho component
VERTTOTAL Raw XDS Vertical component
FNLLIN Processed XDS Line component
FNLLIN_VD Processed XDS Line component (Normalised Vertical Derivative presentation for improved continuity)
FNLORTHO Processed XDS Ortho component
FNLVERT Processed XDS Vertical component

3. DATA GRIDS

The following Geosoft grids have been supplied for the AEROBUS LAKE project:

TotalMagneticIntensity 25-m cell Measured TMI (Tail Sensor (TF3), nT)
ReconstructedTotalField 25-m cell Reconstructed TMI (Nelson Method, pseudo nT)
VerticalDerivative 25-m cell Calculated Vertical Derivative of measured TMI (nT/m)
MeasuredLateralGradient 25-m cell Lateral Component of Measured Horizontal Gradient (nT/m)
MeasuredLongitudinalGradient 25-m cell Longitudinal Component of Measured Horizontal Gradient (nT/m)
DigitalTerrain 25-m cell Digital Terrain Model (metres)
TotalCount_cps 25-m cell Total Count - counts per second (cps)
Potassium_cps 25-m cell Potassium - counts per second (cps)
Uranium_cps 25-m cell Uranium - counts per second (cps)
Thorium_cps 25-m cell Thorium - counts per second (cps)
TotalCount_gu 25-m cell Total Count - ground units (nGy/h)
Potassium_gu 25-m cell Potassium - ground units (%K)
Uranium_gu 25-m cell Uranium - ground units (eU ppm)
Thorium_gu 25-m cell Thorium - ground units (eTh ppm)

XDSLine	25-m cell Processed XDS/VLF LINE EM component
XDSLine_VD	25-m cell Processed XDS/VLF LINE EM component (Normalised Vertical Derivative for improved coninuity)
XDSOrtho	25-m cell Processed XDS/VLF ORTHO EM component
XDSVert	25-m cell Processed XDS/VLF VERT EM component

4. MAPS

The following map products at 1:50,000 scale have been supplied for the AEROBUS project. Map images are submitted Geosoft 'Packed' Map (viewable with the Oasis montaj viewer available as a free download from Geosoft).

FlightPath	Flight Path + Claim Boundary overlay superimposed on Topo Base
TotalMagneticIntensity	TMI Contoured Colour Image, Flight Path on Topo Base
VerticalDerivative	Calculated Vertical Magnetic Derivative Contoured Colour Image, Flight Path on Topo Base
ReconstructedTotalField	Reconstructed Total Magnetif Field (calculated from Horizontal Gradients using Nelson Method) Contoured Colour Image,Flight Path on Topo Base
MeasuredLateralGradient	Measured Lateral (Cross Track) Magnetic Gradient Contoured Colour Image, Flight Path on Topo Base
MeasuredLongitudinalGradient	Measured Longitudinal (Along Track) Magnetic Gradient Contoured Colour Image, Flight Path on Topo Base
DigitalTerrain	Digital Terrain Contoured Colour Image, Flight Path on Topo Base
TotalCount	Total Count Contoured Colour Image (in ground units), Flight Path on Topo Base
Potassium	Potassium Contoured Colour Image (in ground units), Flight Path on Topo Base
Uranium	Uranium Count Contoured Colour Image (in ground units), Flight Path on Topo Base
Thorium	Thorium Contoured Colour Image (in ground units), Flight Path on Topo Base
Ternary	Ternary (3 component) Radiometric Image, Flight Path on Topo Base
XDS_Line	XDS/VLF Line Component Contoured Colour Image, Flight Path on Topo Base
XDS_LineVD	XDS/VLF Line Component (Vert Derivative enhanced) Contoured Colour Image, Flight Path on Topo Base

XDS_Ortho XDS/VLF Ortho Component Contoured Colour Image, Flight Path on Topo Base
XDS_Vert XDS/VLF Vertical Component Contoured Colour Image, Flight Path on Topo Base

5. JPEGS

The following map products at 1:50,000 scale have been additionally supplied for the AEROBUS project in
high quality, 150 DPI JPEG format viewable with virtually any standard graphics/image display software.

FlightPath Flight Path + Claim Boundary overlay superimposed on Topo Base
TotalMagneticIntensity TMI Contoured Colour Image, Flight Path on Topo Base
VerticalDerivative Calculated Vertical Magnetic Derivative Contoured Colour Image, Flight Path on Topo Base
ReconstructedTotalField Reconstructed Total Magnetif Field (calculated from Horizontal Gradients using
Nelson Method) Contoured Colour Image,Flight Path on Topo Base
MeasuredLateralGradient Measured Lateral (Cross Track) Magnetic Gradient Contoured Colour Image,
Flight Path on Topo Base
MeasuredLongitudinalGradient Measured Longitudinal (Along Track) Magnetic Gradient Contoured Colour Image,
Flight Path on Topo Base
DigitalTerrain Digital Terrain Contoured Colour Image, Flight Path on Topo Base
TotalCount Total Count Contoured Colour Image (in ground units), Flight Path on Topo Base
Potassium Potassium Contoured Colour Image (in ground units), Flight Path on Topo Base
Uranium Uranium Count Contoured Colour Image (in ground units), Flight Path on Topo Base
Thorium Thorium Contoured Colour Image (in ground units), Flight Path on Topo Base
Ternary Ternary (3 component) Radiometric Image, Flight Path on Topo Base
XDS_Line XDS/VLF Line Component Contoured Colour Image, Flight Path on Topo Base
XDS_LineVD XDS/VLF Line Component (Vert Derivative enhanced) Contoured Colour Image,
Flight Path on Topo Base

XDS_Ortho XDS/VLF Ortho Component Contoured Colour Image, Flight Path on Topo Base
XDS_Vert XDS/VLF Vertical Component Contoured Colour Image, Flight Path on Topo Base

6. README

Copy of the data archive delivery documentation ("README.TXT")

---- Submitted By : -----

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L3R 0E2

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web. info@terraquest.ca

PROC/AD/05.12.2008