Assessment Report

HELICOPTER MAGNETIC AND RADIOMETRIC SURVEY

for

LOGAN RESOURCES LTD.

on the

CHEYENNE PROJECT

Tombstone Ranges Area, Yukon Territories

Dawson Mining District

MAPSHEET 116B-8

Latitude 64° 16' 00", Longitude 138° 16' 00"

Survey Conducted by

Donegal Developments Ltd.

August 19 - August 28, 2007

Report by

Ronald F. Sheldrake,

Donegal Developments Ltd.

October 30, 2007

Table of Contents

Illustrations

List of Maps with this Report

MAP NAME	SCALE
MAP 1 – Total Magnetic Intensity Map (shows claim location)	1:50,000
MAP 2 – Reduced to Pole Magnetic Map	1:50,000
MAP 3 – Reduced to Pole Shaded Map	1:50,000
MAP 4 – GPS Sensor Height Map	1:50,000
MAP 5 – Radiometric Total Count Map	1:50,000
MAP 6 – Radiometric Thorium Count Map	1:50,000
MAP 7 – Radiometric Uranium Count Map	1:50,000
MAP 8 – Radiometric Potassium Count Map	1:50,000
MAP 9 – Radiometric Ternary Map (Th/U/K)	1:50,000
MAP 10 – Interpretation Map	1:50,000

List of Files on the CD – Cheyenne Project

FILE NAME	DESCRIPTION
Maps 1 to 10	PDF files
Final Mag.gdb	Geosoft Data File
Final Spec.gdb	Geosoft Data File
Format for Mag and Spec.txt	Text file
Geosoft Map viewer	Zip file

1. SUMMARY

This report provides information about the acquisition, processing, and presentation of the radiometric and magnetic survey data that was collected over the Cheyenne Project located in the Yukon Territory.

Illustration 1: 500D Geophysical System

A helicopterborne radiometric and magnetometer program was undertaken by Donegal Developments Ltd of Vancouver, B.C. on behalf of Logan Resources Ltd. The survey block comprised 1157 km. The survey was flown between August 19, 2007 and August 28, 2007.

This survey program comprised part of a program involving 19 separate survey blocks within the Yukon Territory from near the arctic circle in the North, to the B.C. border in the South. Many of the survey blocks were away from infrastructure, so that long ferry flights were needed and/or jet fuel had to be moved to the survey site by helicopter making survey costs high. The present survey was flown out of Dawson City in conjunction with three other blocks in the region.

This geophysical report may later form part of a more comprehensive one that will cover the details of geology, geochemistry, drill results and exploration history of the property.

2. LOCATION OF SURVEY

The Cheyenne Project is located about 30 km E of the Dempster Hightway.

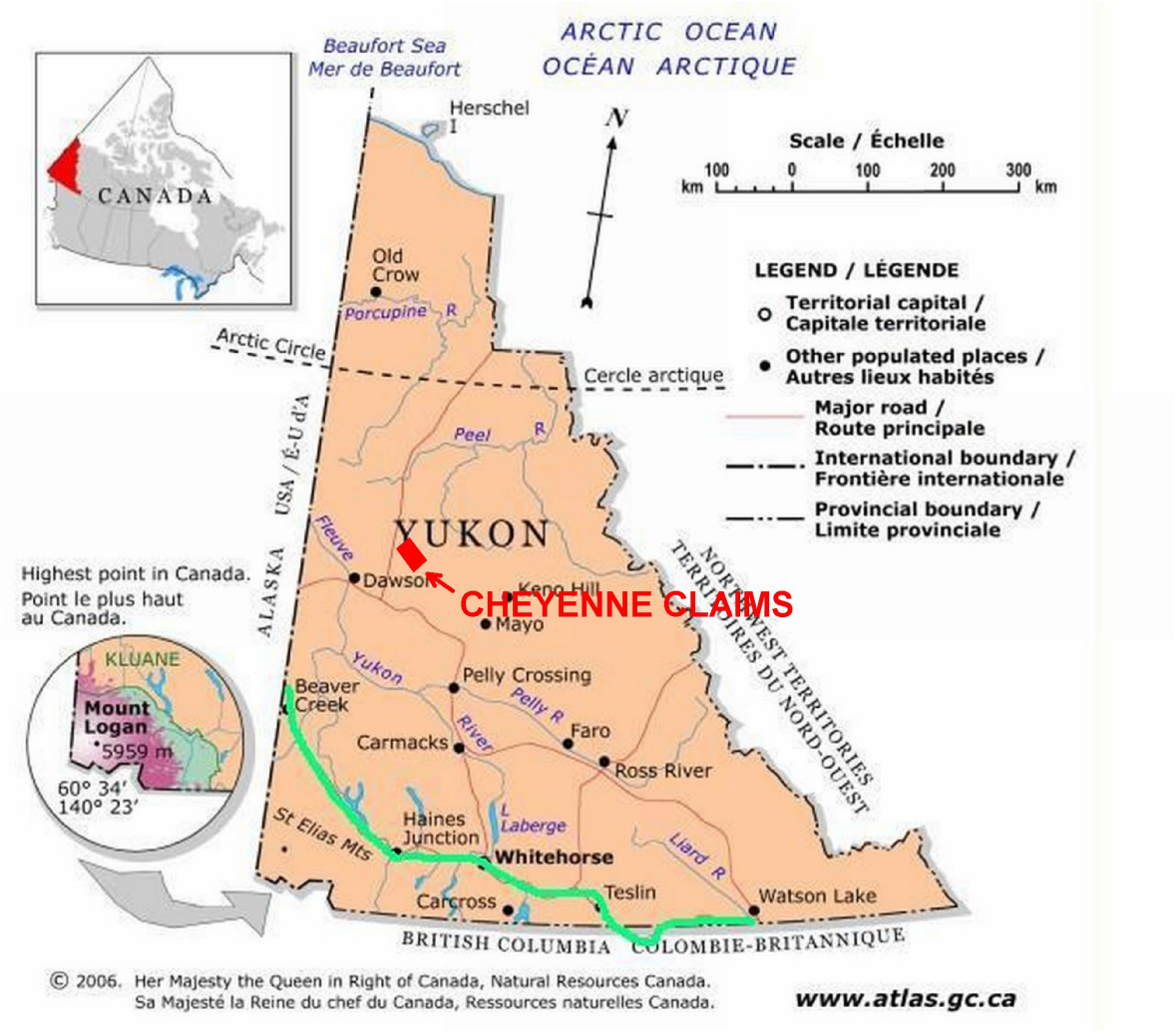


Illustration 2: Survey Location Map

3. SURVEY GRID, PROCEDURE AND PERSONNEL

3.1 Survey Grid

This survey was flown from Dawson City. The survey comprised of 1026 km of survey lines and 131 km of tie lines for total of 1157 km. Survey test and calibration flights were completed in Dawson and the data collection was completed by August 28, 2007.

The Cheyenne survey grid comprised of 163 survey lines at a 100 meter line interval and 11 tie lines at 800 m interval.

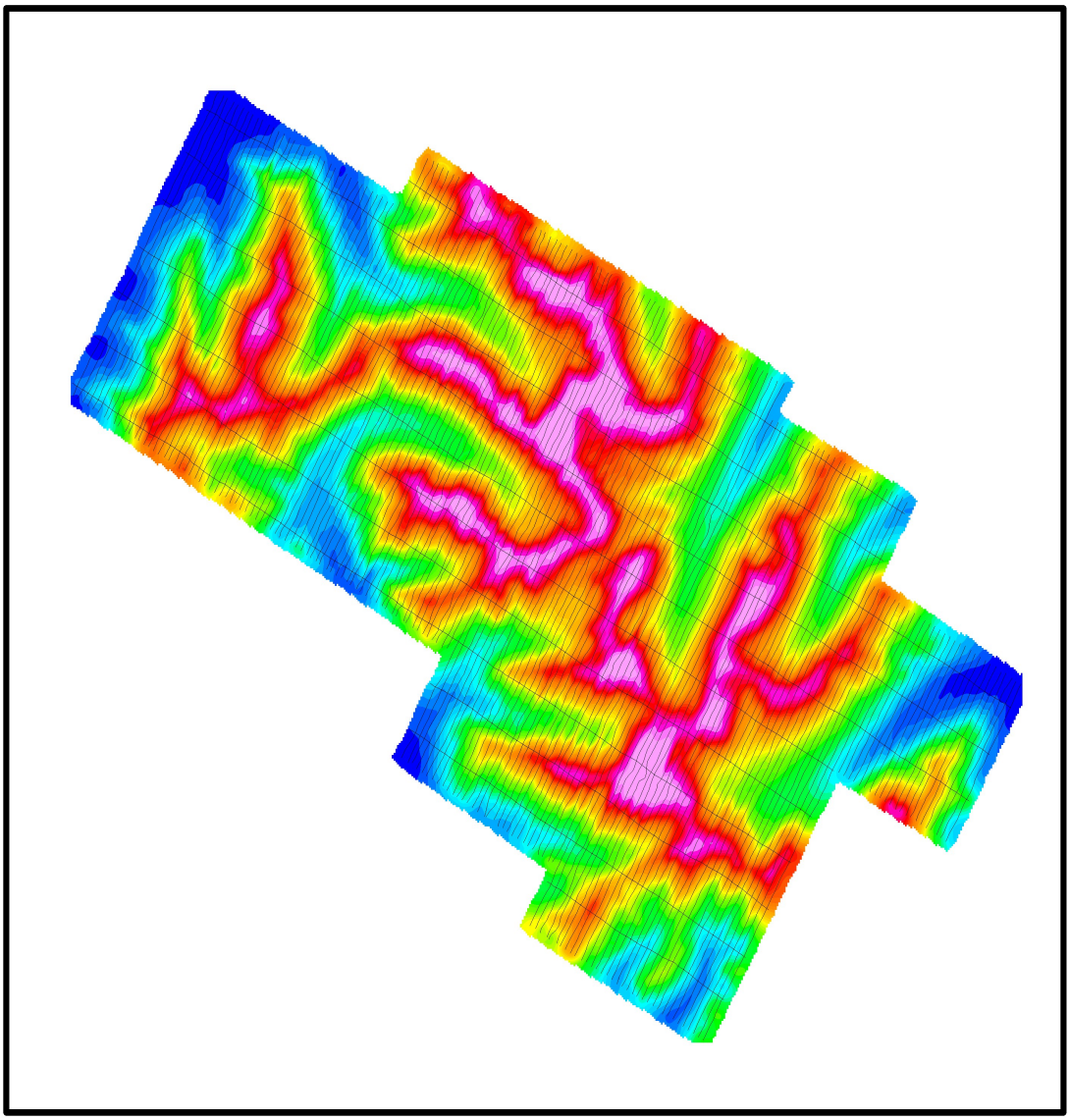


Illustration 3: Flight Path Map on Topographic Image

3.2 Magnetic Surveying Procedure

Magnetic measurements in a helicopter or fixed wing aircraft are recorded (to an accuracy of 1/10 of a nanotesla- abbreviated "nT") as the aircraft is flying along a pre-determined flight path, normally an orthogonal survey grid of lines and tie lines. At the same time, a second magnetometer, the magnetic base-station, is located in a magnetically quiet area (no vehicles or powerlines, etc.) that records the "magnetic diurnal," which is the varying magnetic field as a function of time. It is beneficial to have the base station in, or near, the survey area, but that is often not practicable.

The data are processed by subtracting the magnetic diurnal variation from the airborne data. The magnetic data are also further improved by correcting the data using the tie-line data intersection points to produce a smooth, internally corrected map. However, maps may still be slightly noisy and, further micro-leveling correction may be made after the data has been gridded. This process removes small noise variations along the traverses that may arise between the tie lines.

The magnetic measurements were made at an interval of 1/25 per second, so that on average, the readings on the ground were less than 1.0 meter.

3.3 Radiometric Surveying Procedure

Radiometric surveying is a complex procedure, normally done in two stages. The data is collected (with various calibration information) and processed in the field in a preliminary fashion. The field processing involve checking the validity of all the data and making preliminary maps. At this stage, the radiometric data are mapped in units of counts per second (cps). (The radiometric measurements were made at an interval of 1.0 seconds, so that on average, the readings on the ground were less than 30.0 meters.)

The final processing involves merging the calibration information with the preliminary data to produce radiometric units in concentrations of potassium, uranium and thorium. (This processing has not as yet been completed on the present data.)

The corrections include applying sensor stripping ratios, altitude attenuation coefficients,

temperature and pressure corrections, radon contamination corrections, aircraft and skyshine factors. These corrections are described in the International Atomic Energy Agency document IAEA-IECDOC-1363 ***"Guidelines for Radioelement Mapping using Gamma Ray Spectrometry Data,"*** July 2003

3.4 Survey Personnel

The Donegal Developments Ltd. crew for this survey comprised:

1. Ron Sheldrake, geophysicist and project manager
2. Mary Sheldrake, data person
3. Lawrence Jay, electrical engineer and equipment operator.

The Prism Helicopter Ltd. crew for this survey comprised:

4. Loren Leeuw and Geoff Tait, pilots
5. Bill Clifford, aircraft engineer

This geophysical report may later form part of a more comprehensive one that will cover the details of geology, geochemistry, drill results and exploration history of the property.

4. EQUIPMENT USED FOR THIS SURVEY

The equipment used for this survey was a new radiometric and magnetic system provided by PicoEnvirotec of Downsview, Ontario. It was specifically configured for the 500D helicopter installation and included the following equipment:

- A Scintrex CS-3 high-sensitivity Cesium magnetometer mounted in a cantilevered "stinger"
- A Billingsly TFM-100 Tri-axial Fluxgate Magnetometer
- A Pico-Envirotec GRS-10 self-stabilizing 256 channel gamma-ray spectrometer with 16.8 litres "downward looking" NaI(Tl) sensors and 4.2 litres of "upward looking" NaI(Tl) sensor.

- A CSI-Wireless Omnistar navigation system with a pilot steering indicator
- A Pico-Envirotech AGIS Data Acquisition System
- A Terra TRA-3000/TRI-30 Radar Altimeter.
- Campbell Scientific Model-CS500 Temperature and Relative Humidy Probe
- A SETRA Model 276 digital barometric altimeter/pressure transducer.
- Power distribution console with power supplies.

The magnetic base station equipment included:

- A PGIS (PicoEnvirotec) basestation processor
- Scintrex Cesium CS-3 Magnetometer

Details and specifications of the above equipment are provided on the PicoEnvirotec website, www.picoenvirotec.com.

5. GEOPHYSICAL TECHNIQUES

5.1 Magnetic Method

Magnetometer data are used to identify rock types, faults, and alteration zones. Much of the time, the magnetic responses arise from the minerals magnetite and pyrrhotite, and although ilmenite, chromite, and platinum and other minerals are magnetic, they are much less so.

Magnetic maps provide a picture of the distribution of magnetic materials in the subsurface rocks. In general, localized magnetic responses (sometimes they are called “anomalies”) that arise from the surface and near surface distributions of magnetic materials, are of shorter wavelength than those that arise from deeper seated sources.

Occasionally, magnetic responses right away lead to the detection of commercial orebodies, although this is rare. For example, a massive sulphide ore-body might contain pyrrhotite as one of its constituent minerals, and the magnetic maps will therefore identify and “outline” the orebody. However, there is a whole spectrum of magnetic responses that can arise due to mechanical, metamorphic and geochemical changes in rocks

Sometimes, the challenge can be more sophisticated since mineralization may be related to

non-magnetic rocks, therefore the magnetic parameter is sometimes used in its negative aspects; a search for magnetic depletion zones.

5.2 Radiometric Method

Gamma-ray spectrometer surveys are utilized for mapping the concentration and distribution of naturally occurring radioelements. The use of an airborne gamma-ray spectrometer allows for the in-situ analysis of radioelement concentrations of naturally occurring Potassium (K), Uranium (U) and Thorium (Th).

The concentrations of K, U, and Th can be diagnostic in the mapping of rocks and soils. In the exploration for uranium, gold, tin and tungsten deposits is often related to K alteration so that radiometric data provide a vital exploration tool..

Radioactivity measurements from an airborne platform are dependent upon the detection of gamma rays produced through radioactive decay of the nuclide to be detected. Radiometric data are fundamentally statistical. The primary field data is collected in units of counts per second (cps) and a wide range of corrections are normally made to convert the count per second (cps) units to "equivalent concentrations" of the three radio nuclides, K, U, and Th. Data adjustments include applying stripping ratios, altitude attenuation coefficients, temperature and pressure effects, radon contamination corrections, aircraft and skyshine factors. These adjustments to the data are described in the International Atomic Energy Agency document ***"Guidelines for Radioelement Mapping using Gamma Ray Spectrometry Data.'***

The radiometric data presented in this report are, at this stage, uncorrected for the above factors. As a result, some radon contamination can be seen on the Radiometric Count Map.

Also, R.B.K. Shives et al (1997) provide a comprehensive discussion of the potential of radiometric surveying for a wide range of deposits in ***"The detection of Potassic Alteration by Gamma Ray Spectrometry – Recognition Related to Mineralization,"*** published in *Exploration 97*

6. DATA PRESENTATION

These days most geoscientists are finding that computer images are most convenient for their interpretations. However, paper map-images remain an important part of the deliverables. The

present survey data are presented as colour image-maps, produced at a scale of 1:50,000. Note that all maps, grids and data are located using coordinate system **NAD83 Zone 8**. All digital data are provided on CD/DVD in Geosoft format.

6.1 Image Map Deliverables

1. Total Magnetic Intensity Map (TMI)
2. Reduced to Pole Magnetic Map
3. Reduced to Pole Shaded Map
4. GPS Sensor Height Map
5. Radiometric Total Count Map
6. Radiometric Thorium Count Map
7. Radiometric Uranium Count Map
8. Radiometric Potassium CountMap
9. Radiometric Ternary Map (Th, U, K)
10. Interpretation Map

6.2 Digital Data Deliverables

PDF versions of maps and processed digital data (in Geosoft format) are provided. A full description of the formats are included as a text file on the CD/DVD that comes with this report.

7. DISCUSSION OF THE SURVEY DATA

7.1 Magnetic and Radiometric Data

An interpretation of the magnetic and radiometric data are presented on Map 10 – Interpretation. The magnetic data are predominated by a large oval feature plunging to the West.

At any rate, the magnetic data indicate the core of this oval magnetic feature as being a magnetic depletion zone, and may provide suitable exploration targets.

There are a number of occurrences where peripheral magnetic responses indicate subsidiary intrusive/phase activity such as those labelled A1, B1 etc. Small magnetic lineaments such as those labelled a-1, b-1 etc that are suggestive of geo-fluid flow into the peripheral rocks, and indicate activity.

Respectfully submitted,.

Donegal Developments Ltd.

Ronald F. Sheldrake, B.Sc. (Geophysics)

BIBLIOGRAPHY

1. R.B.K. Shives, B.W. Charbonneau, Ken L. Ford, ***"The detection of Potassic Alteration by Gamma Ray Spectrometry – Recognition Related to Mineralization,"*** **published in Exploration 97 - Geophysics and Geochemistry at the Millenium, 1997**

2. Regional GSC 2 km Aeromagnetic Data, NRCN .

3. International Atomic Energy Agency document *"Guidelines for Radioelement Mapping using Gamma Ray Spectrometry Data."*

APPENDIX 1 – STATEMENT OF QUALIFICATIONS, R. SHELDRAKE

I, **Ronald F. Sheldrake**, do certify that:

1) I received a B.Sc. in Geophysics from the University of British Columbia in 1974.

2) I have practised the profession of exploration geophysics for in excess of 30 years, much of that time collecting, compiling and reporting on airborne geophysical surveys.

3) This report is written solely by Ronald F. Sheldrake, except where other credit is given.

October 30, 2007

Ronald F. Sheldrake
Donegal Developments Ltd.

APPENDIX 2 – EXPENDITURES FOR PROJECT

	Total costs
Geophysical Survey costs including helicopter and fuel	
(1157 km X $165.00/km),	$190,905.00
Mobilization costs,	$ 6,364.00
Reporting Costs-	$ 5,750.00
TOTAL EXPENDITURE	**$203,019.00**
TOTAL EXPENDITURE PER CLAIM, (364 Claims)	**$ 557.74**

APPENDIX 3 – LISTING OF CLAIMS WITH EXPIRY DATES

Logan Resources Ltd.
Cheyenne Property, YT
Claim Status -364 CLAIMS
1-Oct-07

NTS MAP NUMBER 116B08

Grant #	Claim Name	Claim Number	Operation Recording Date	Claim Expiry Date
YC25769	Ant	1	3/3/2004	3/3/2012
YC25770	Ant	2	3/3/2004	3/3/2012
YC25771	Ant	3	3/3/2004	3/3/2012
YC25772	Ant	4	3/3/2004	3/3/2012
YC25773	Ant	5	3/3/2004	3/3/2012
YC25774	Ant	6	3/3/2004	3/3/2012
YC25775	Ant	7	3/3/2004	3/3/2012
YC25776	Ant	8	3/3/2004	3/3/2012
YC25777	Ant	9	3/3/2004	3/3/2012
YC25778	Ant	10	3/3/2004	3/3/2012
YC25779	Ant	11	3/3/2004	3/3/2012
YC25780	Ant	12	3/3/2004	3/3/2012
YC25781	Ant	13	3/3/2004	3/3/2009
YC25782	Ant	14	3/3/2004	3/3/2012
YC25783	Ant	15	3/3/2004	3/3/2009
YC25784	Ant	16	3/3/2004	3/3/2012
YC25785	Ant	17	3/3/2004	3/3/2009
YC25786	Ant	18	3/3/2004	3/3/2009
YC25787	Ant	19	3/3/2004	3/3/2009
YC25788	Ant	20	3/3/2004	3/3/2009
YC25789	Ant	21	3/3/2004	3/3/2009
YC25790	Ant	22	3/3/2004	3/3/2009
YC25791	Ant	23	3/3/2004	3/3/2009
YC25792	Ant	24	3/3/2004	3/3/2009
YC25793	Ant	25	3/3/2004	3/3/2008
YC25794	Ant	26	3/3/2004	3/3/2008
YC25795	Ant	27	3/3/2004	3/3/2008
YC25796	Ant	28	3/3/2004	3/3/2008
YC25797	Ant	29	3/3/2004	3/3/2008
YC25798	Ant	30	3/3/2004	3/3/2008
YC25799	Ant	31	3/3/2004	3/3/2008
YC25800	Ant	32	3/3/2004	3/3/2008
YC25801	Ant	33	3/3/2004	3/3/2008
YC25802	Ant	34	3/3/2004	3/3/2008

YC25803	Ant	35	3/3/2004	3/3/2009
YC25804	Ant	36	3/3/2004	3/3/2009
YC25805	Ant	37	3/3/2004	3/3/2011
YC25806	Ant	38	3/3/2004	3/3/2009
YC25807	Ant	39	3/3/2004	3/3/2011
YC25808	Ant	40	3/3/2004	3/3/2011
YC25809	Ant	41	3/3/2004	3/3/2011
YC25810	Ant	42	3/3/2004	3/3/2011
YC25811	Ant	43	3/3/2004	3/3/2011
YC25812	Ant	44	3/3/2004	3/3/2011
YC25813	Ant	45	3/3/2004	3/3/2009
YC25814	Ant	46	3/3/2004	3/3/2009
YC25815	Ant	47	3/3/2004	3/3/2009
YC25816	Ant	48	3/3/2004	3/3/2009
YC25817	Ant	49	3/3/2004	3/3/2009
YC25818	Ant	50	3/3/2004	3/3/2009
YC25819	Ant	51	3/3/2004	3/3/2009
YC25820	Ant	52	3/3/2004	3/3/2009
YC25821	Ant	53	3/3/2004	3/3/2009
YC25822	Ant	54	3/3/2004	3/3/2009
YC25823	Ant	55	3/3/2004	3/3/2011
YC25824	Ant	56	3/3/2004	3/3/2011
YC25825	Ant	57	3/3/2004	3/3/2009
YC25826	Ant	58	3/3/2004	3/3/2009
YC25827	Ant	59	3/3/2004	3/3/2009
YC25828	Ant	60	3/3/2004	3/3/2009
YC25829	Ant	61	3/3/2004	3/3/2009
YC25830	Ant	62	3/3/2004	3/3/2009
YC25831	Ant	63	3/3/2004	3/3/2009
YC25832	Ant	64	3/3/2004	3/3/2009
YC25833	Ant	65	3/3/2004	3/3/2009
YC25834	Ant	66	3/3/2004	3/3/2009
YC25835	Ant	67	3/3/2004	3/3/2012
YC25836	Ant	68	3/3/2004	3/3/2012
YC25837	Ant	69	3/3/2004	3/3/2009
YC25838	Ant	70	3/3/2004	3/3/2009
YC35815	Antimony	71	2/24/2005	2/24/2010
YC35816	Antimony	72	2/24/2005	2/24/2010
YC35817	Antimony	73	2/24/2005	2/24/2010
YC35818	Antimony	74	2/24/2005	2/24/2010
YC35819	Antimony	75	2/24/2005	2/24/2008
YC35820	Antimony	76	2/24/2005	2/24/2010
YC35821	Antimony	77	2/24/2005	2/24/2008
YC35822	Antimony	78	2/24/2005	2/24/2010

YC35823	Antimony	79	2/24/2005	2/24/2008
YC35824	Antimony	80	2/24/2005	2/24/2010
YC35825	Antimony	81	2/24/2005	2/24/2008
YC35826	Antimony	82	2/24/2005	2/24/2008
YC35827	Antimony	83	2/24/2005	2/24/2008
YC35828	Antimony	84	2/24/2005	2/24/2008
YC35829	Antimony	85	2/24/2005	2/24/2008
YC35830	Antimony	86	2/24/2005	2/24/2008
YC35831	Antimony	87	2/24/2005	2/24/2008
YC35832	Antimony	88	2/24/2005	2/24/2008
YC35833	Antimony	89	2/24/2005	2/24/2008
YC35834	Antimony	90	2/24/2005	2/24/2008
YC35835	Antimony	91	2/24/2005	2/24/2009
YC35836	Antimony	92	2/24/2005	2/24/2009
YC35837	Antimony	93	2/24/2005	2/24/2009
YC35838	Antimony	94	2/24/2005	2/24/2009
YC35839	Antimony	95	2/24/2005	2/24/2009
YC35840	Antimony	96	2/24/2005	2/24/2009
YC35841	Antimony	97	2/24/2005	2/24/2009
YC35842	Antimony	98	2/24/2005	2/24/2009
YC35843	Antimony	99	2/24/2005	2/24/2009
YC35844	Antimony	100	2/24/2005	2/24/2009
YC35845	Antimony	101	2/24/2005	2/24/2009
YC35846	Antimony	102	2/24/2005	2/24/2009
YC35847	Antimony	103	2/24/2005	2/24/2009
YC35848	Antimony	104	2/24/2005	2/24/2009
YC35849	Antimony	105	2/24/2005	2/24/2009
YC35850	Antimony	106	2/24/2005	2/24/2009
YC35851	Antimony	107	2/24/2005	2/24/2009
YC35852	Antimony	108	2/24/2005	2/24/2009
YC35853	Antimony	109	2/24/2005	2/24/2009
YC35854	Antimony	110	2/24/2005	2/24/2009
YC35855	Antimony	111	2/24/2005	2/24/2009
YC35856	Antimony	112	2/24/2005	2/24/2009
YC36644	Aant	1	12/9/2005	12/9/2008
YC36645	Aant	2	12/9/2005	12/9/2008
YC36646	Aant	3	12/9/2005	12/9/2008
YC36647	Aant	4	12/9/2005	12/9/2008
YC36648	Aant	5	12/9/2005	12/9/2008
YC36649	Aant	6	12/9/2005	12/9/2008
YC36650	Aant	7	12/9/2005	12/9/2008
YC36651	Aant	8	12/9/2005	12/9/2008
YC36652	Aant	9	12/9/2005	12/9/2008
YC36653	Aant	10	12/9/2005	12/9/2008

YC36654	Aant	11	12/9/2005	12/9/2008
YC36655	Aant	12	12/9/2005	12/9/2008
YC36656	Aant	13	12/9/2005	12/9/2008
YC36657	Aant	14	12/9/2005	12/9/2008
YC36658	Aant	15	12/9/2005	12/9/2008
YC36659	Aant	16	12/9/2005	12/9/2008
YC36660	Aant	17	12/9/2005	12/9/2008
YC36661	Aant	18	12/9/2005	12/9/2008
YC36662	Aant	19	12/9/2005	12/9/2008
YC36663	Aant	20	12/9/2005	12/9/2008
YC36664	Aant	21	12/9/2005	12/9/2008
YC36665	Aant	22	12/9/2005	12/9/2008
YC36666	Aant	23	12/9/2005	12/9/2008
YC36667	Aant	24	12/9/2005	12/9/2008
YC36668	Aant	25	12/9/2005	12/9/2008
YC36669	Aant	26	12/9/2005	12/9/2008
YC36670	Aant	27	12/9/2005	12/9/2008
YC36671	Aant	28	12/9/2005	12/9/2008
YC36672	Aant	29	12/9/2005	12/9/2008
YC36673	Aant	30	12/9/2005	12/9/2008
YC36674	Aant	31	12/9/2005	12/9/2008
YC36675	Aant	32	12/9/2005	12/9/2008
YC36676	Aant	33	12/9/2005	12/9/2008
YC36677	Aant	34	12/9/2005	12/9/2008
YC36678	Aant	35	12/9/2005	12/9/2008
YC36679	Aant	36	12/9/2005	12/9/2008
YC36680	Aant	37	12/9/2005	12/9/2008
YC36681	Aant	38	12/9/2005	12/9/2008
YC36682	Aant	39	12/9/2005	12/9/2008
YC36683	Aant	40	12/9/2005	12/9/2008
YC36684	Aant	41	12/9/2005	12/9/2008
YC36685	Aant	42	12/9/2005	12/9/2008
YC36686	Aant	43	12/9/2005	12/9/2008
YC36687	Aant	44	12/9/2005	12/9/2008
YC36688	Aant	45	12/9/2005	12/9/2008
YC36689	Aant	46	12/9/2005	12/9/2008
YC36690	Aant	47	12/9/2005	12/9/2008
YC36691	Aant	48	12/9/2005	12/9/2008
YC36692	Aant	49	12/9/2005	12/9/2008
YC36693	Aant	50	12/9/2005	12/9/2008
YC36694	Aant	51	12/9/2005	12/9/2008
YC36695	Aant	52	12/9/2005	12/9/2008
YC36696	Aant	53	12/9/2005	12/9/2008
YC36697	Aant	54	12/9/2005	12/9/2008

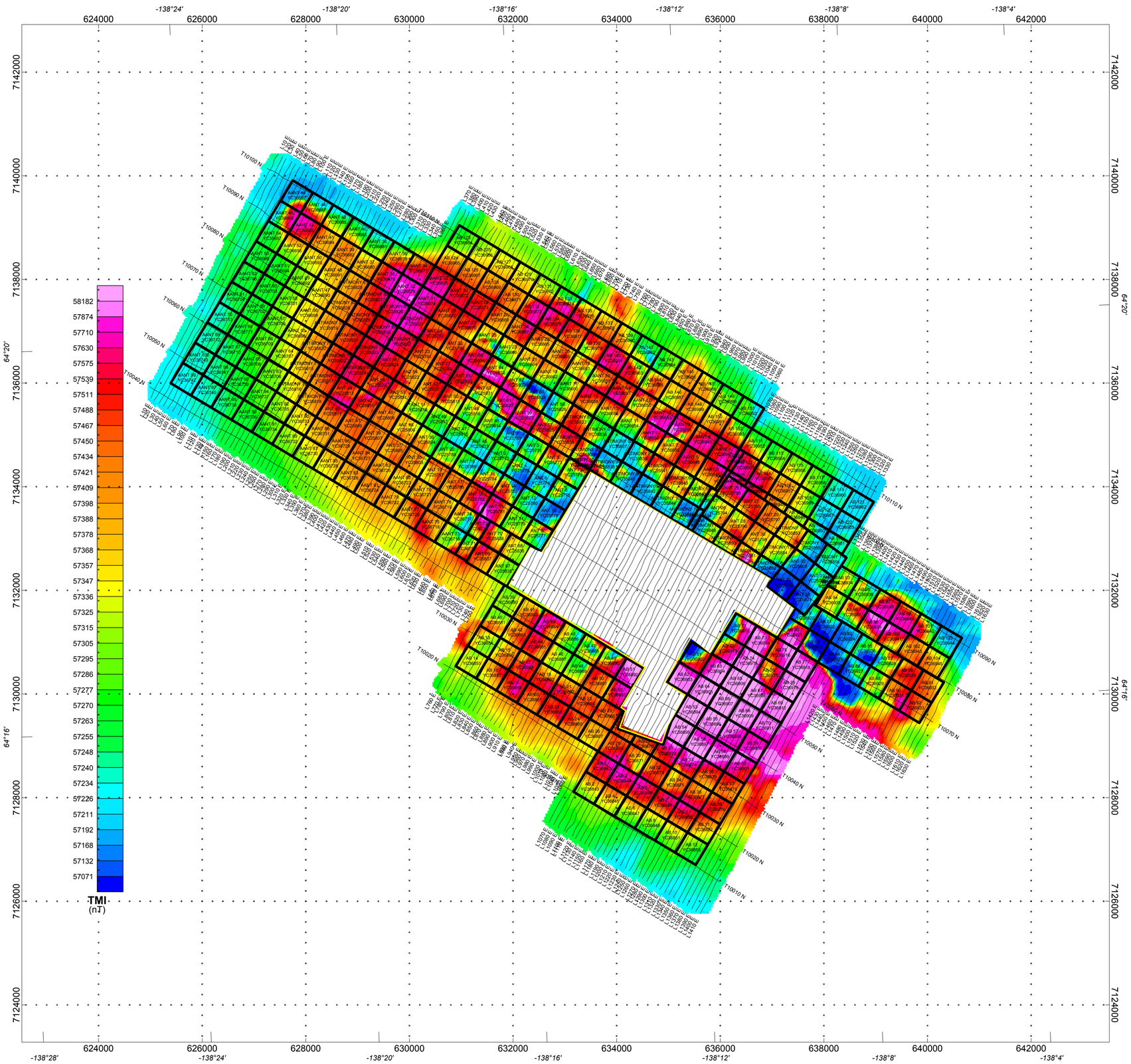
YC36698	Aant	55	12/9/2005	12/9/2008
YC36699	Aant	56	12/9/2005	12/9/2008
YC36700	Aant	57	12/9/2005	12/9/2008
YC36701	Aant	58	12/9/2005	12/9/2008
YC36702	Aant	59	12/9/2005	12/9/2008
YC36703	Aant	60	12/9/2005	12/9/2008
YC36704	Aant	61	12/9/2005	12/9/2008
YC36705	Aant	62	12/9/2005	12/9/2008
YC36706	Aant	63	12/9/2005	12/9/2008
YC36707	Aant	64	12/9/2005	12/9/2008
YC36708	Aant	65	12/9/2005	12/9/2008
YC36709	Aant	66	12/9/2005	12/9/2008
YC36710	Aant	67	12/9/2005	12/9/2008
YC36711	Aant	68	12/9/2005	12/9/2008
YC36712	Aant	69	12/9/2005	12/9/2008
YC36713	Aant	70	12/9/2005	12/9/2008
YC36714	Aant	71	12/9/2005	12/9/2008
YC36715	Aant	72	12/9/2005	12/9/2008
YC36716	Aant	73	12/9/2005	12/9/2008
YC36717	Aant	74	12/9/2005	12/9/2008
YC36718	Aant	75	12/9/2005	12/9/2008
YC36719	Aant	76	12/9/2005	12/9/2008
YC36720	Aant	77	12/9/2005	12/9/2008
YC36721	Aant	78	12/9/2005	12/9/2008
YC36722	Aant	79	12/9/2005	12/9/2008
YC36723	Aant	80	12/9/2005	12/9/2008
YC36724	Aant	81	12/9/2005	12/9/2008
YC36725	Aant	82	12/9/2005	12/9/2008
YC36726	Aant	83	12/9/2005	12/9/2008
YC36727	Aant	84	12/9/2005	12/9/2008
YC36728	Aant	85	12/9/2005	12/9/2008
YC36729	Aant	86	12/9/2005	12/9/2008
YC36730	Aant	87	12/9/2005	12/9/2008
YC36731	Aant	88	12/9/2005	12/9/2008
YC36732	Aant	89	12/9/2005	12/9/2008
YC36733	Aant	90	12/9/2005	12/9/2008
YC36734	Aant	91	12/9/2005	12/9/2008
YC36735	Aant	92	12/9/2005	12/9/2008
YC36736	Aant	93	12/9/2005	12/9/2008
YC36737	Aant	94	12/9/2005	12/9/2008
YC36738	Aant	95	12/9/2005	12/9/2008
YC36739	Aant	96	12/9/2005	12/9/2008
YC36740	Aant	97	12/9/2005	12/9/2008
YC36741	Aant	98	12/9/2005	12/9/2008

YC36742	Aant	99	12/9/2005	12/9/2008
YC36743	Aant	100	12/9/2005	12/9/2008
YC36842	AB	1	2/27/2006	2/27/2009
YC36843	AB	2	2/27/2006	2/27/2009
YC36844	AB	3	2/27/2006	2/27/2009
YC36845	AB	4	2/27/2006	2/27/2009
YC36846	AB	5	2/27/2006	2/27/2009
YC36847	AB	6	2/27/2006	2/27/2009
YC36848	AB	7	2/27/2006	2/27/2009
YC36849	AB	8	2/27/2006	2/27/2009
YC36850	AB	9	2/27/2006	2/27/2009
YC36851	AB	10	2/27/2006	2/27/2009
YC36852	AB	11	2/27/2006	2/27/2009
YC36853	AB	12	2/27/2006	2/27/2009
YC36854	AB	13	2/27/2006	2/27/2009
YC36855	AB	14	2/27/2006	2/27/2009
YC36856	AB	15	2/27/2006	2/27/2009
YC36857	AB	16	2/27/2006	2/27/2009
YC36858	AB	17	2/27/2006	2/27/2009
YC36859	AB	18	2/27/2006	2/27/2009
YC36860	AB	19	2/27/2006	2/27/2009
YC36861	AB	20	2/27/2006	2/27/2009
YC36862	AB	21	2/27/2006	2/27/2009
YC36863	AB	22	2/27/2006	2/27/2009
YC36864	AB	23	2/27/2006	2/27/2009
YC36865	AB	24	2/27/2006	2/27/2009
YC36866	AB	25	2/27/2006	2/27/2009
YC36867	AB	26	2/27/2006	2/27/2009
YC36868	AB	27	2/27/2006	2/27/2009
YC36869	AB	28	2/27/2006	2/27/2009
YC36870	AB	29	2/27/2006	2/27/2009
YC36871	AB	30	2/27/2006	2/27/2009
YC36872	AB	31	2/27/2006	2/27/2009
YC36873	AB	32	2/27/2006	2/27/2009
YC36874	AB	33	2/27/2006	2/27/2009
YC36875	AB	34	2/27/2006	2/27/2009
YC36876	AB	35	2/27/2006	2/27/2009
YC36877	AB	36	2/27/2006	2/27/2009
YC36878	AB	37	2/27/2006	2/27/2009
YC36879	AB	38	2/27/2006	2/27/2009
YC36880	AB	39	2/27/2006	2/27/2009
YC36881	AB	40	2/27/2006	2/27/2009
YC36882	AB	41	2/27/2006	2/27/2009
YC36883	AB	42	2/27/2006	2/27/2009

YC36884	AB	43	2/27/2006	2/27/2009
YC36885	AB	44	2/27/2006	2/27/2009
YC36886	AB	45	2/27/2006	2/27/2009
YC36887	AB	46	2/27/2006	2/27/2009
YC36888	AB	47	2/27/2006	2/27/2009
YC36889	AB	48	2/27/2006	2/27/2009
YC36890	AB	49	2/27/2006	2/27/2009
YC36891	AB	50	2/27/2006	2/27/2009
YC36892	AB	51	2/27/2006	2/27/2009
YC36893	AB	52	2/27/2006	2/27/2009
YC36894	AB	53	2/27/2006	2/27/2009
YC36895	AB	54	2/27/2006	2/27/2009
YC36896	AB	55	2/27/2006	2/27/2009
YC36897	AB	56	2/27/2006	2/27/2009
YC36898	AB	57	2/27/2006	2/27/2009
YC36899	AB	58	2/27/2006	2/27/2009
YC36900	AB	59	2/27/2006	2/27/2009
YC36901	AB	60	2/27/2006	2/27/2009
YC36902	AB	61	2/27/2006	2/27/2009
YC36903	AB	62	2/27/2006	2/27/2009
YC36904	AB	63	2/27/2006	2/27/2009
YC36905	AB	64	2/27/2006	2/27/2009
YC36906	AB	65	2/27/2006	2/27/2009
YC36907	AB	66	2/27/2006	2/27/2009
YC36908	AB	67	2/27/2006	2/27/2009
YC36909	AB	68	2/27/2006	2/27/2009
YC36910	AB	69	2/27/2006	2/27/2009
YC36911	AB	70	2/27/2006	2/27/2009
YC36912	AB	71	2/27/2006	2/27/2009
YC36913	AB	72	2/27/2006	2/27/2009
YC36914	AB	73	2/27/2006	2/27/2009
YC36915	AB	74	2/27/2006	2/27/2009
YC36916	AB	75	2/27/2006	2/27/2009
YC36917	AB	76	2/27/2006	2/27/2009
YC36918	AB	77	2/27/2006	2/27/2009
YC36919	AB	78	2/27/2006	2/27/2009
YC36920	AB	79	2/27/2006	2/27/2009
YC36921	AB	80	2/27/2006	2/27/2009
YC36922	AB	81	2/27/2006	2/27/2009
YC36923	AB	82	2/27/2006	2/27/2009
YC36924	AB	83	2/27/2006	2/27/2009
YC36925	AB	84	2/27/2006	2/27/2009
YC36926	AB	85	2/27/2006	2/27/2009
YC36927	AB	86	2/27/2006	2/27/2009

YC36928	AB	87	2/27/2006	2/27/2009
YC36929	AB	88	2/27/2006	2/27/2009
YC36930	AB	89	2/27/2006	2/27/2009
YC36931	AB	90	2/27/2006	2/27/2009
YC36932	AB	91	2/27/2006	2/27/2009
YC36933	AB	92	2/27/2006	2/27/2009
YC36934	AB	93	2/27/2006	2/27/2009
YC36935	AB	94	2/27/2006	2/27/2009
YC36936	AB	95	2/27/2006	2/27/2009
YC36937	AB	96	2/27/2006	2/27/2009
YC36938	AB	97	2/27/2006	2/27/2009
YC36939	AB	98	2/27/2006	2/27/2009
YC36940	AB	99	2/27/2006	2/27/2009
YC36941	AB	100	2/27/2006	2/27/2009
YC36942	AB	101	2/27/2006	2/27/2009
YC36943	AB	102	2/27/2006	2/27/2009
YC36944	AB	103	2/27/2006	2/27/2009
YC36945	AB	104	2/27/2006	2/27/2009
YC36946	AB	105	2/27/2006	2/27/2009
YC36947	AB	106	2/27/2006	2/27/2009
YC36948	AB	107	2/27/2006	2/27/2009
YC36949	AB	108	2/27/2006	2/27/2009
YC36950	AB	109	2/27/2006	2/27/2009
YC36951	AB	110	2/27/2006	2/27/2009
YC36952	AB	111	2/27/2006	2/27/2009
YC36953	AB	112	2/27/2006	2/27/2009
YC36954	AB	113	2/27/2006	2/27/2009
YC36955	AB	114	2/27/2006	2/27/2009
YC36956	AB	115	2/27/2006	2/27/2009
YC36957	AB	116	2/27/2006	2/27/2009
YC36958	AB	117	2/27/2006	2/27/2009
YC36959	AB	118	2/27/2006	2/27/2009
YC36960	AB	119	2/27/2006	2/27/2009
YC36961	AB	120	2/27/2006	2/27/2009
YC36962	AB	121	2/27/2006	2/27/2009
YC36963	AB	122	2/27/2006	2/27/2009
YC36964	AB	123	2/27/2006	2/27/2009
YC36965	AB	124	2/27/2006	2/27/2009
YC36966	AB	125	2/27/2006	2/27/2009
YC36967	AB	126	2/27/2006	2/27/2009
YC36968	AB	127	2/27/2006	2/27/2009
YC36969	AB	128	2/27/2006	2/27/2009
YC36970	AB	129	2/27/2006	2/27/2009
YC36971	AB	130	2/27/2006	2/27/2009

YC36972	AB	131	2/27/2006	2/27/2009
YC36973	AB	132	2/27/2006	2/27/2009
YC36974	AB	133	2/27/2006	2/27/2009
YC36975	AB	134	2/27/2006	2/27/2009
YC36976	AB	135	2/27/2006	2/27/2009
YC36977	AB	136	2/27/2006	2/27/2009
YC36978	AB	137	2/27/2006	2/27/2009
YC36979	AB	138	2/27/2006	2/27/2009
YC36980	AB	139	2/27/2006	2/27/2009
YC36981	AB	140	2/27/2006	2/27/2009
YC36982	AB	141	2/27/2006	2/27/2009
YC36983	AB	142	2/27/2006	2/27/2009
YC36984	AB	143	2/27/2006	2/27/2009
YC36985	AB	144	2/27/2006	2/27/2009
YC36986	AB	145	2/27/2006	2/27/2009
YC36987	AB	146	2/27/2006	2/27/2009
YC36988	AB	147	2/27/2006	2/27/2009
YC36989	AB	148	2/27/2006	2/27/2009
YC36990	AB	149	2/27/2006	2/27/2009
YC36991	AB	150	2/27/2006	2/27/2009
YC36992	AB	151	2/27/2006	2/27/2009
YC36993	AB	152	2/27/2006	2/27/2009



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

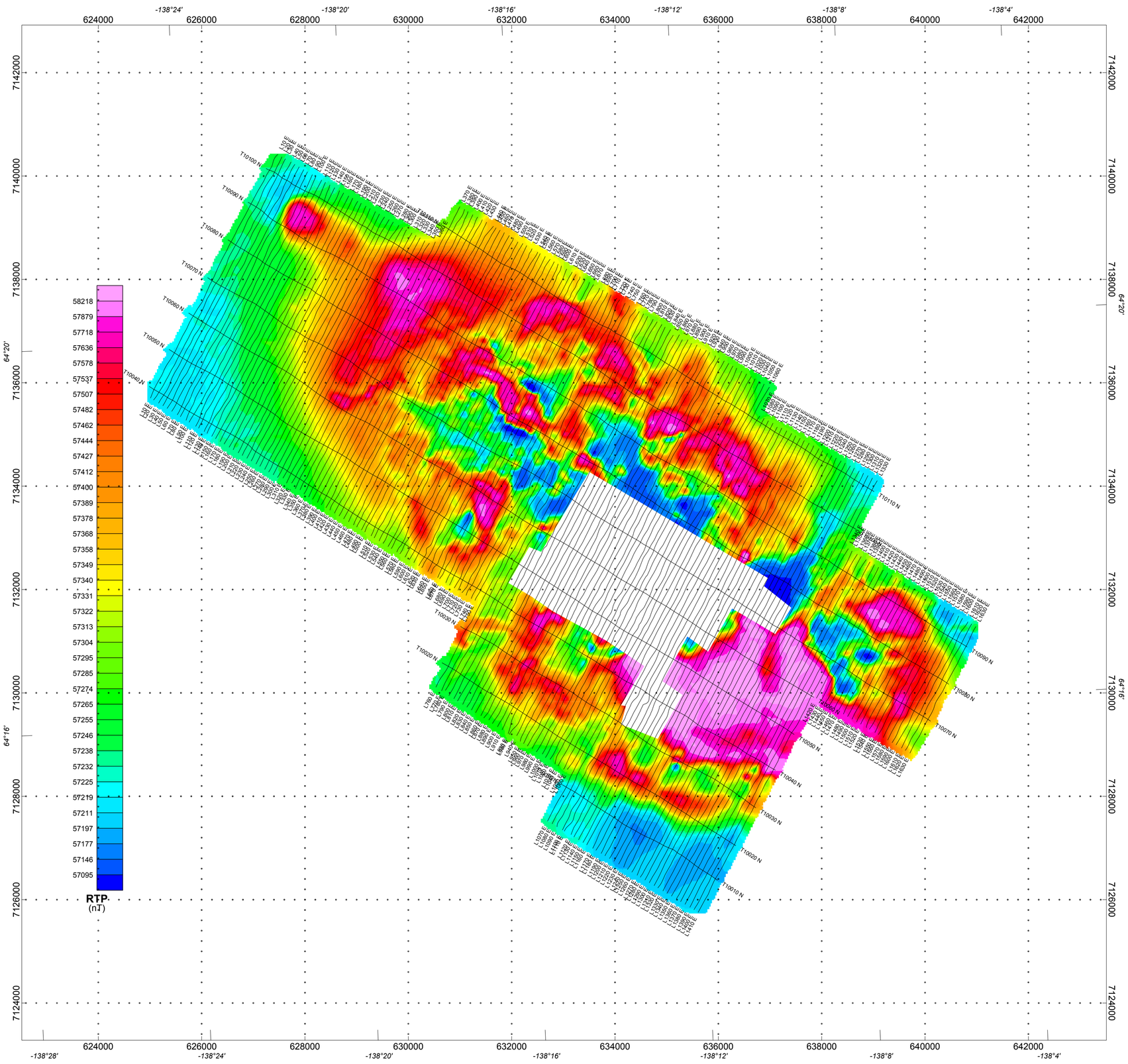
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

TOTAL MAGNETIC INTENSITY MAP (nT)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 1

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

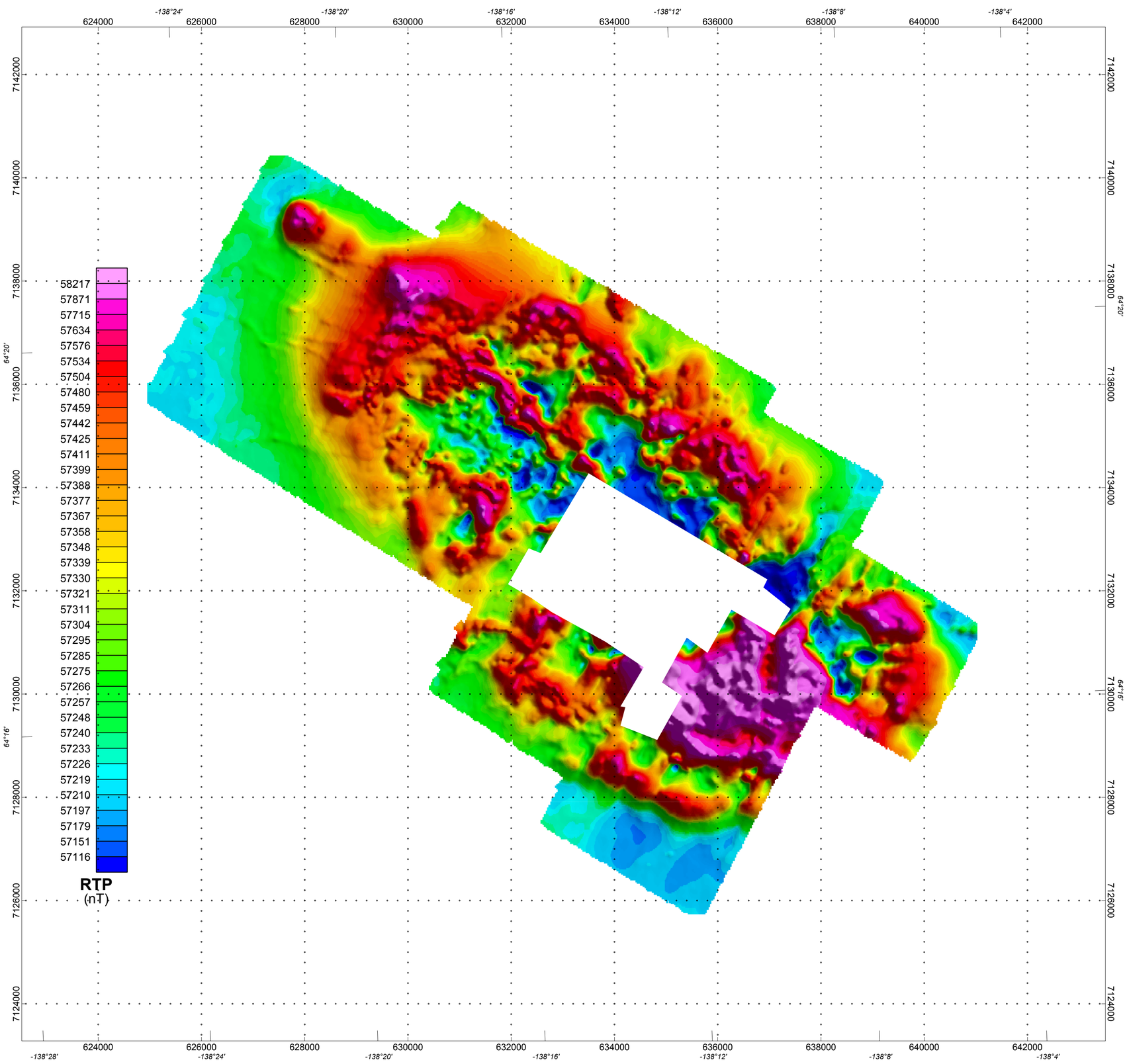
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

REDUCED TO POLE MAGNETIC MAP (nT)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 2

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

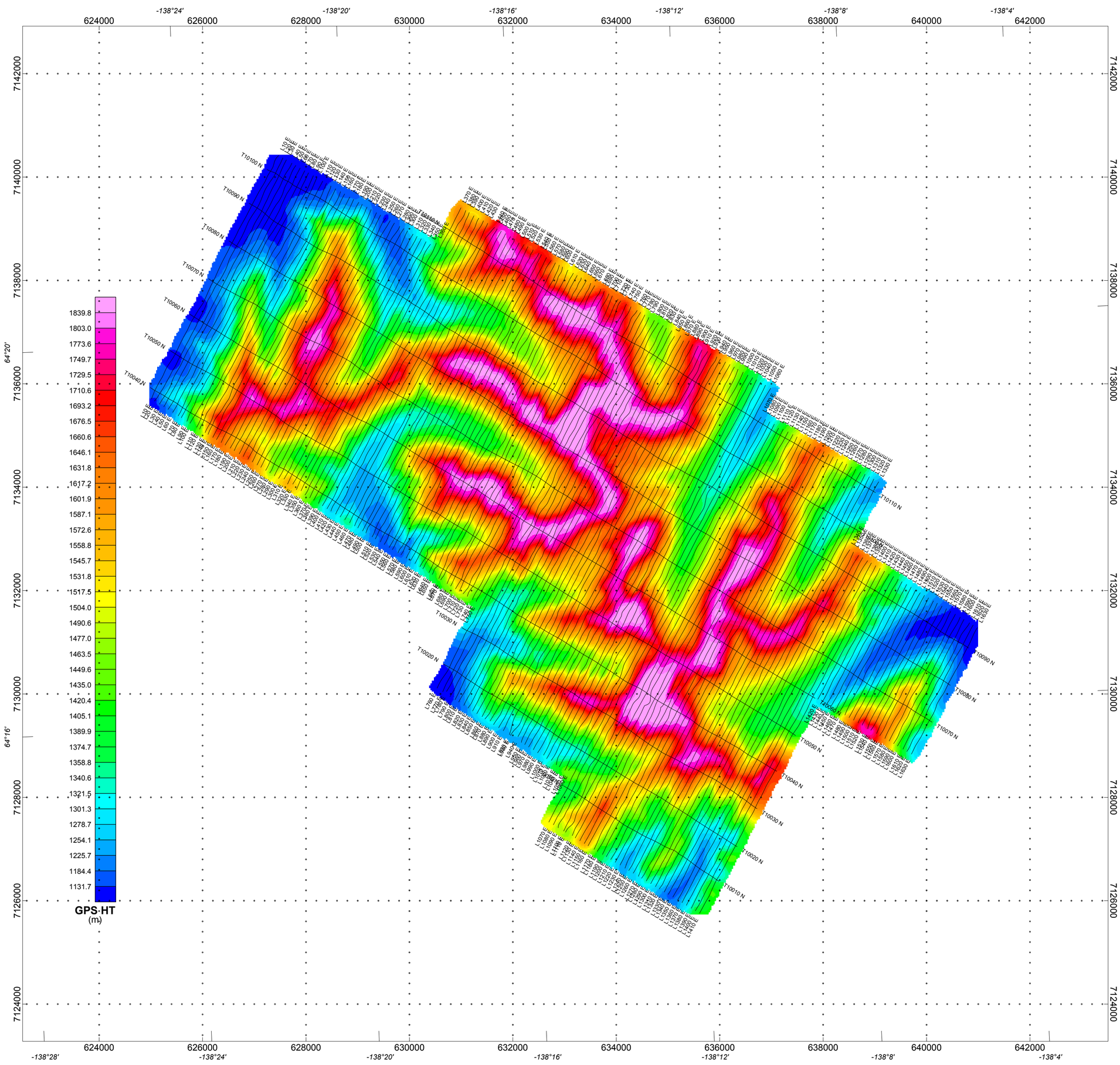
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

REDUCED TO POLE SHADED MAP (nT)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 3

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

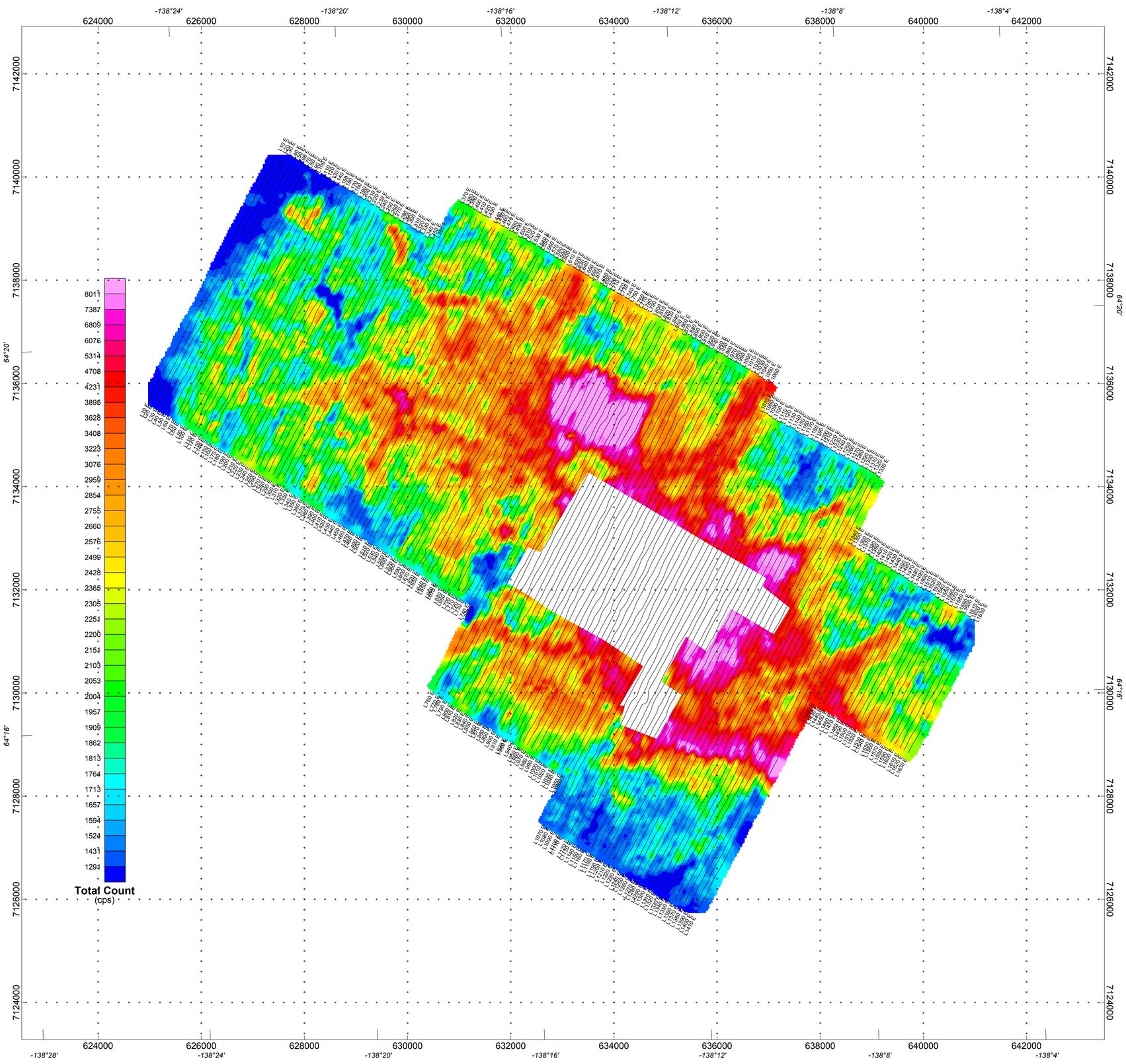
Scale 1:50000
1000 0 1000 2000 3000
(meters)
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

GPS SENSOR HEIGHT MAP (m)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 4

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

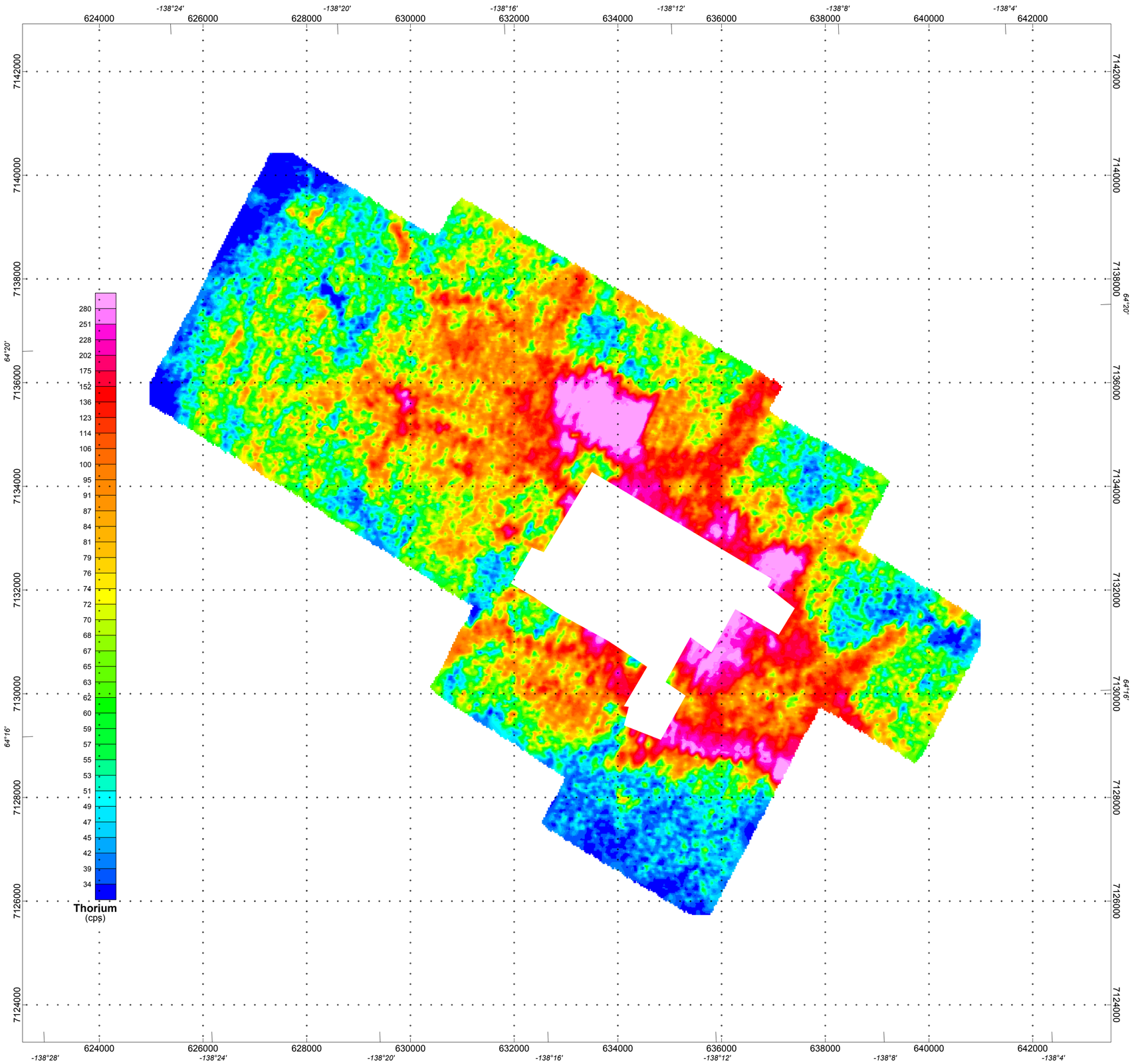
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

RADIOMETRIC TOTAL COUNT MAP (cps)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 5

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

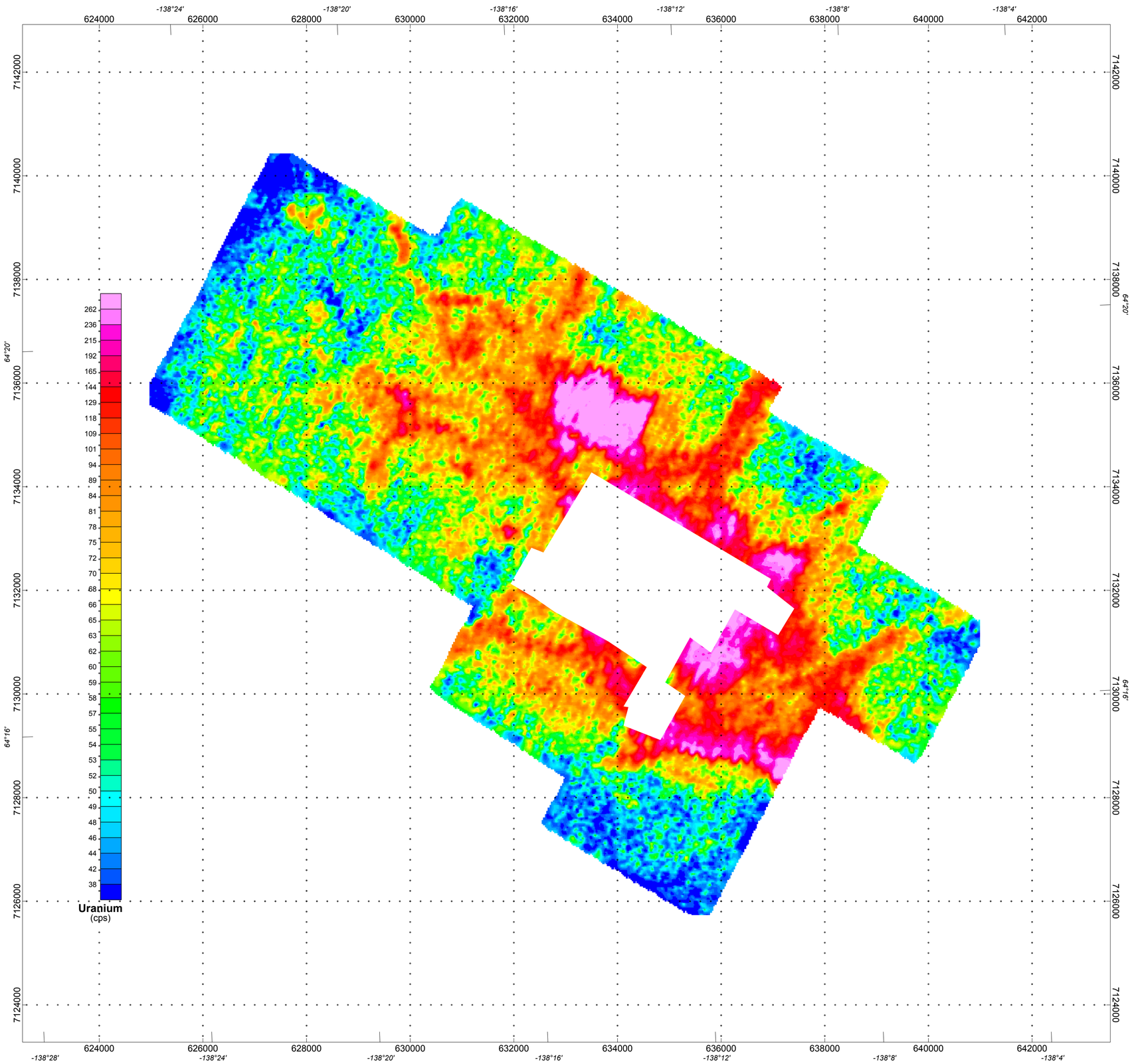
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

RADIOMETRIC THORIUM COUNT MAP (cps)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 6

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees
.
.

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

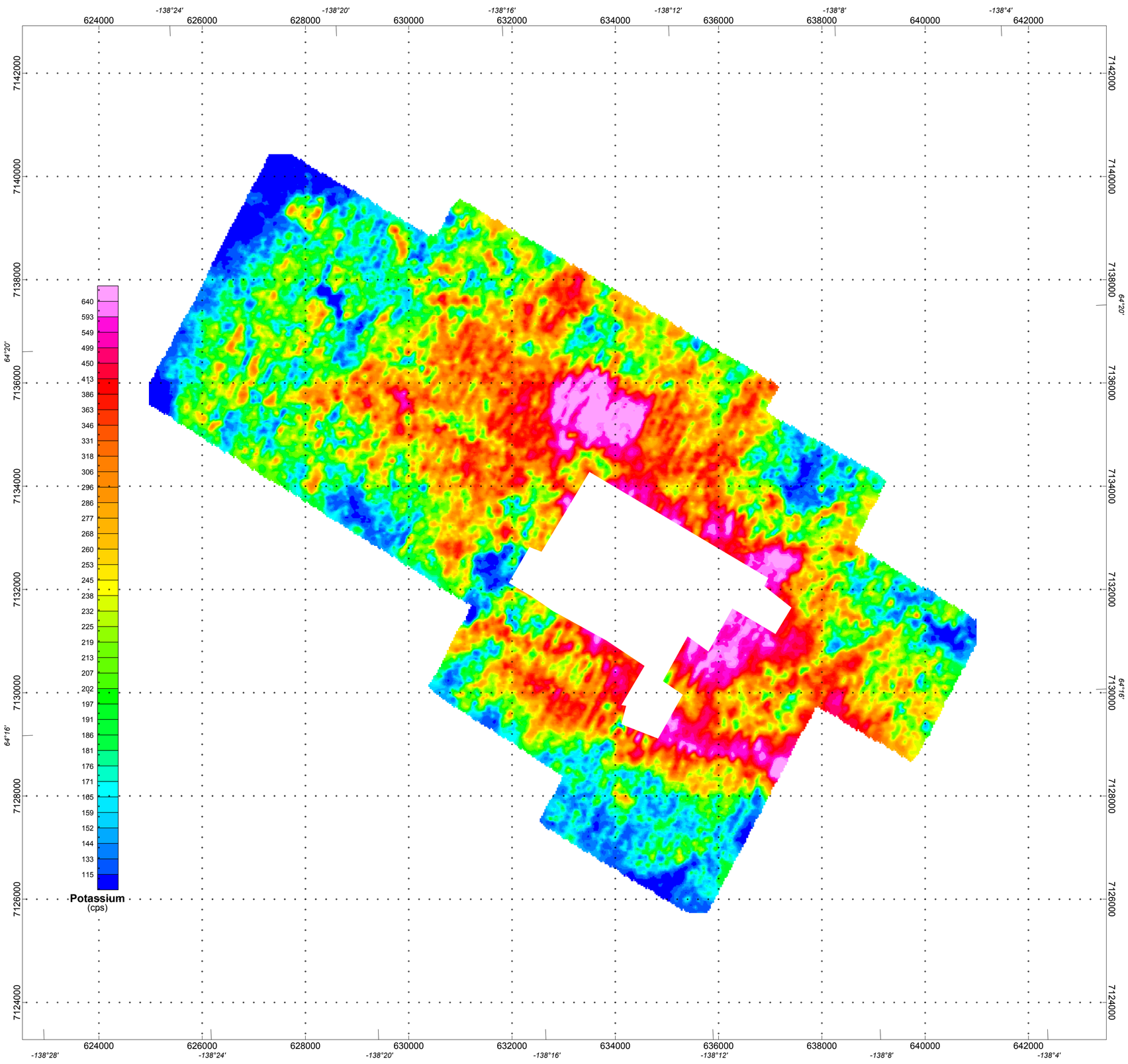
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

RADIOMETRIC URANIUM COUNT MAP (cps)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 7

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

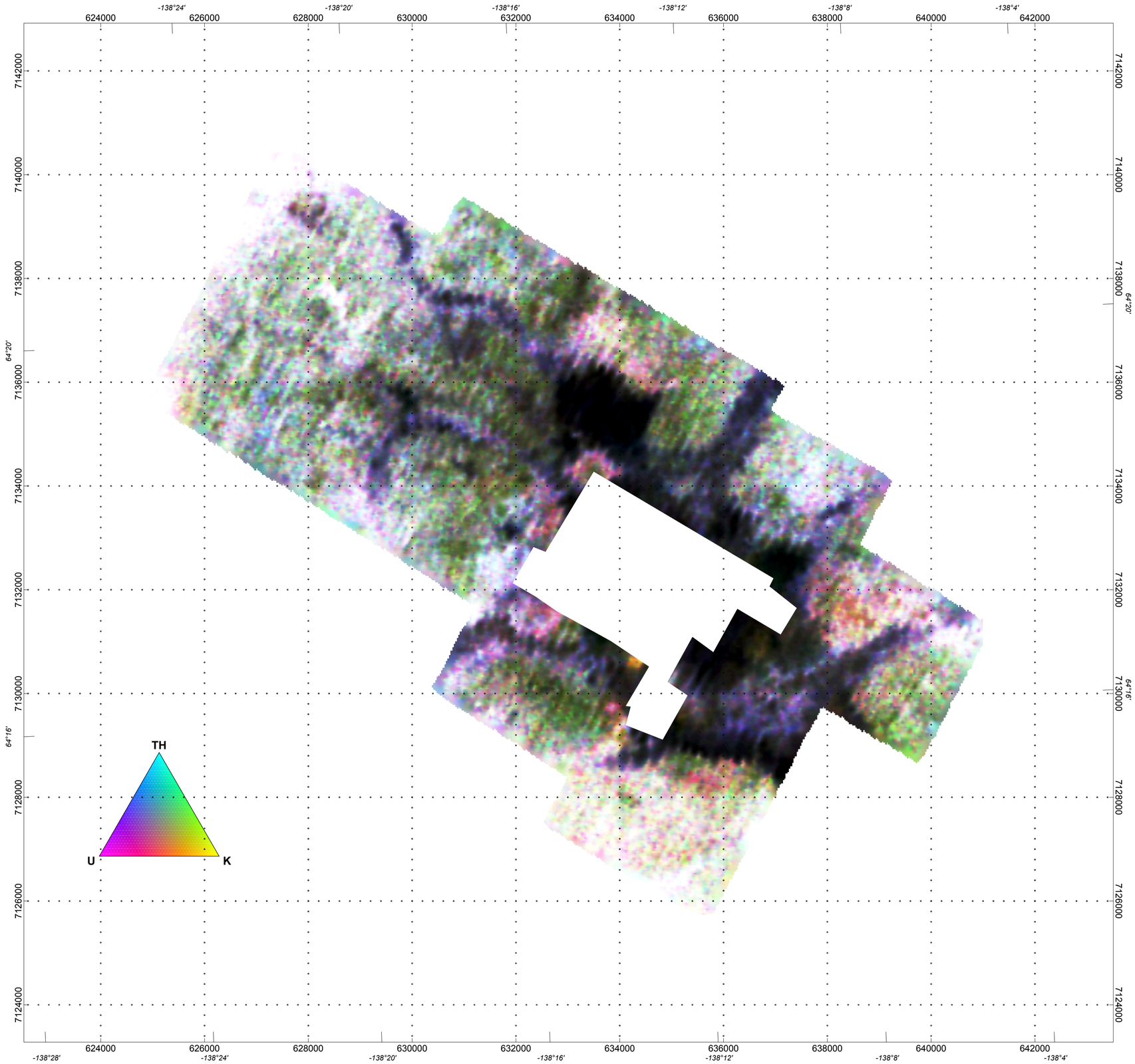
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

RADIOMETRIC POTASSIUM COUNT MAP (cps)
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 8

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

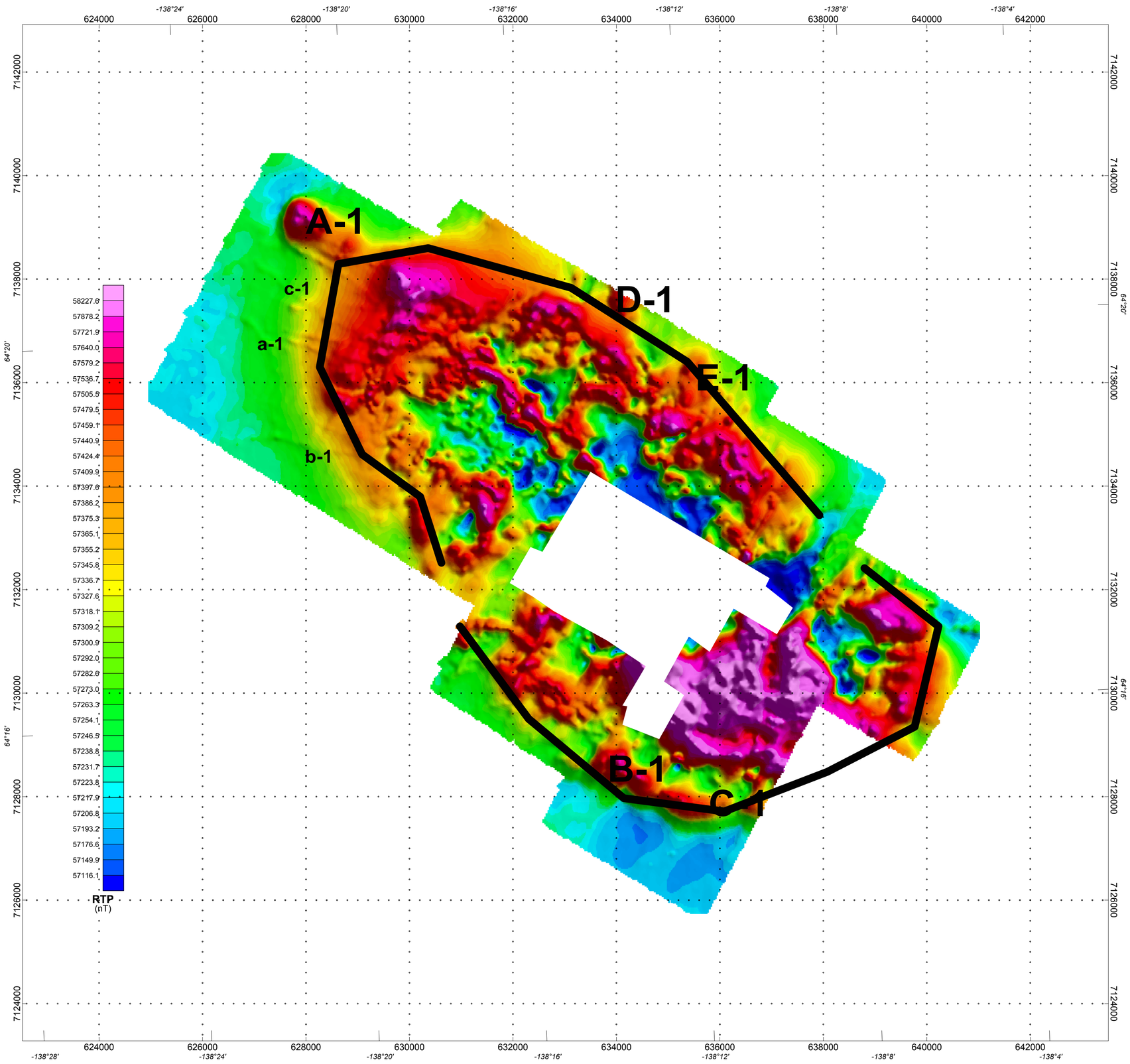
Scale 1:50000
1000 0 1000 2000 3000
(meters)
NAD83 / UTM zone 7N

LOGAN RESOURCES LTD.

TERNARY RADIOMETRIC MAP
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 9

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees
.
.

Donegal Developments Ltd., Vancouver, BC



DONEGAL DEVELOPMENTS LTD

INSTRUMENTATION:
Spectrometer: GRS10-256/ 16.8 l up/4.2 l down
Magnetometer: MMS-4/ CS-3 Cesium
DAS: AGIS-XP
Navigation: GPS CSI
Radar Altimeter: TRA3000
Temperature/Humidity: HC-S3
Barometer: Setra M276
Magnetic Base Station: PGIS/ CS-3 Cesium

SPECIFICATIONS:
MTC: 50 m
Line Interval: 300m
Tie Line Interval 1200m
Magnetometer Noise: less than 1.0 nT
Spectrometer: Internal calibration/ Sample calibrated (U)

CORRECTIONS
Diurnal Variation
Lag Corrections
Heading Corrections
Tie Line Corrrections
Microlevelling

Scale 1:50000

1000 0 1000 2000 3000

(meters)

NAD83 / UTM zone 7N

LEGEND:

Outlying Peripheral Targets **D-1**

Outlying Lineaments **d-1**

LOGAN RESOURCES LTD.

INTERPRETATION MAP
CHEYENNE PROPERTY, TOMBSTONE RANGE, YT
MAP 10

Magnetic Declination: 25 degrees East
Magnetic Inclination: 78 degrees

Donegal Developments Ltd., Vancouver, BC