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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING AND AIRBORNE GEOPHYSICAL SURVEYS

at the

CORKY PROPERTY

CORKY 1-36 YD34851-YD34886

NTS 115G/06
Latitude 62°22´N; Longitude 139°26´W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by

H. Smith, B.Sc. Geology, P.Geo.
February 2011

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INTRODUCTION

The Corky property covers a copper-gold porphyry prospect in the Kluane Ranges of southwestern Yukon. It is owned 100% by Strategic Metals Ltd.

This report describes a two-phase program that was conducted at the Corky property between August 8 and 24, 2010. Phase one comprised a high resolution helicopter-borne magnetic and gamma-ray spectrometric geophysical survey performed by New-Sense Geophysics Limited of Markam, Ontario. Phase two consisted of a nine day geochemical sampling program that was conducted by Archer, Cathro & Associates (1981) Limited. This work was performed by a two person crew from a temporary fly camp on the property. The author directed the program, and her Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Corky property consists of 36 contiguous mineral claims, which are located on NTS map sheet 115G/06 at latitude 62°22´ north and longitude 139°26´ west (Figure 1). The property covers an area of approximately 730 ha (7.3 sq km). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Corky 1-36	YD34851-YD34886	July 30, 2011

* Expiry date does not include 2010 work that has not yet been filed for assessment credit.

The Corky property is located 22 km west-northwest of Burwash Landing and can be accessed by a 15 km four-wheel drive access road along the north side of Burwash Creek (Figure 2). This route is maintained by placer miner Steve Johnson who has a placer operation on that creek. In 2010, access to and from the Corky property was from a temporary staging area at the Burwash Landing airport. Transportation was provided by a Bell 206B helicopter owned by TransNorth helicopters and operated from its year-round base in Haines Junction.

HISTORY AND PREVIOUS WORK

The area now covered by the Corky property was first staked in 1952. No work was reported from this period (Deklerk and Traynor, 2005).

In 1966, Geophoto Services Ltd. restaked the area with Cork claims after reconnaissance stream sediment sampling returned anomalous copper values and follow up prospecting located a rock sample that returned 0.75% copper and 7.54 g/t silver. In 1967, a syndicate comprising Alcon Petroleum Ltd., Canadian Industrial Oil and Gas Ltd., and Imperial Oil Enterprises Ltd. performed geochemical, magnetometer and electromagnetic surveys on the Cork claims. The geophysical surveys outlined the igneous-sedimentary contacts in overburden mantled areas. No map showing 1967 soil sample locations was provided; however, Mcginn (1967) reports that soil

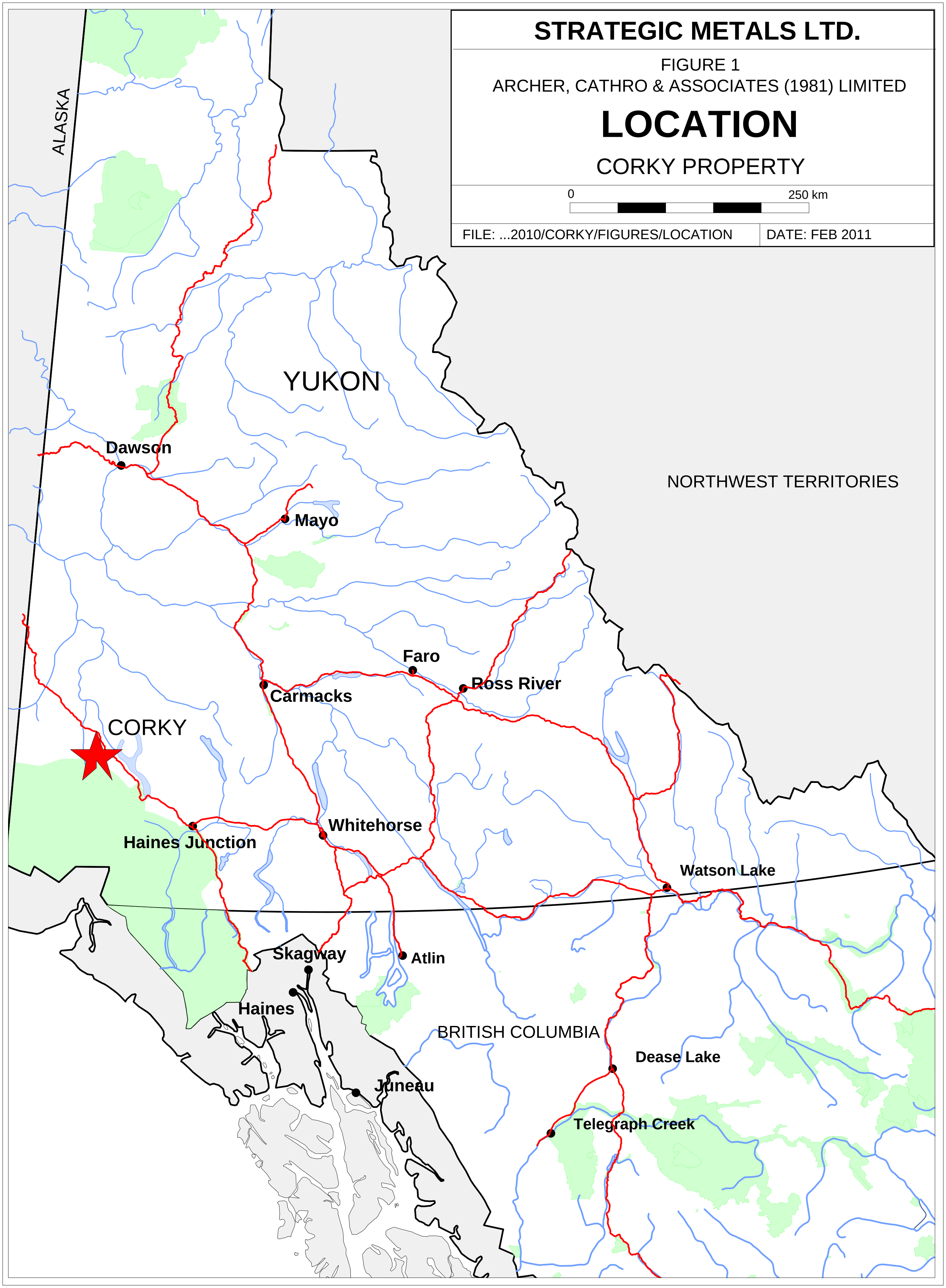
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FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LOCATION
CORKY PROPERTY
0
250 km
FILE: ...2010/CORKY/FIGURES/LOCATION
DATE: FEB 2011
ALASKA
YUKON
NORTHWEST TERRITORIES
BRITISH COLUMBIA
CORKY
Dawson
Mayo
Faro
Ross River
Carmacks
Whitehorse
Haines Junction
Watson Lake
Skagway
Atlin
Haines
Juneau
Dease Lake
Telegraph Creek

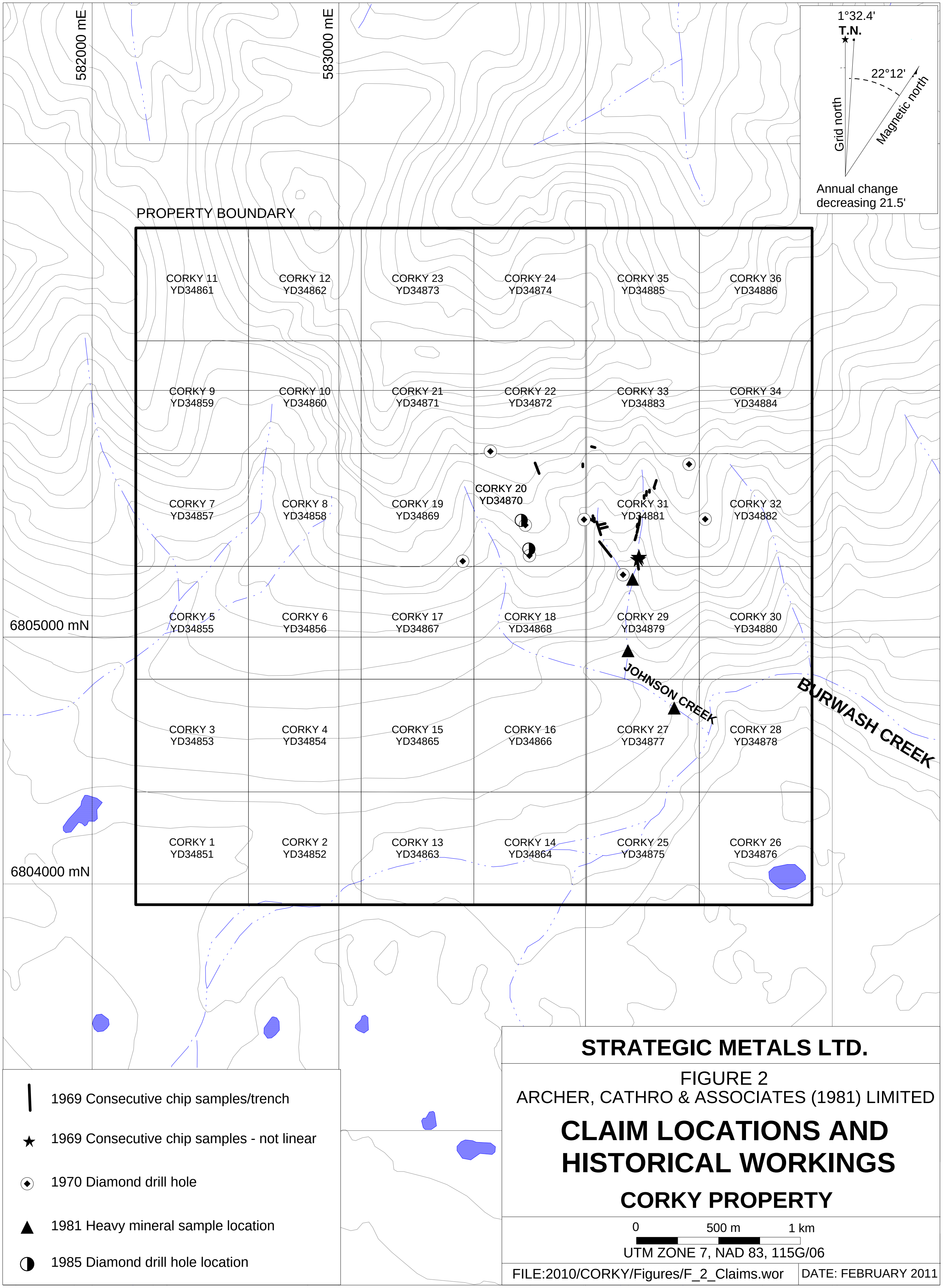

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS AND HISTORICAL WORKINGS

CORKY PROPERTY

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DATE: FEBRUARY 2011

anomalies correspond with magnetic anomalies. Based on geological mapping the prospective area appears to lie on the south limb of a large east-trending syncline.

In 1967, Geophoto Services Ltd. performed an Induced Polarization (IP) and resistivity survey on the Cork property. The IP survey was successful in delineating the contact between the feldspar porphyry intrusion and adjacent sedimentary rocks. No electromagnetic conductors were identified (Bell and Hallof, 1967).

In 1969, a syndicate comprising 50% Imperial Oil Enterprises Ltd., 25% Canadian Industrial Gas and Oil Ltd and 25% Bow Valley Land Co. performed geological mapping and rock sampling on the property. In addition, a bulldozer was used to build an access road to the property. Localized blasting was done to facilitate sample collection. Three hundred and forty-one rock samples were collected and assayed for some of the following: copper, molybdenum, silver, tungsten, zinc, lead and nickel. Approximately half of the samples were 10′ (3.05 m) chip samples, while the remainder were rock samples. A sample of well mineralized skarn returned 4.44% copper. Peak values of 1.37 g/t gold and 20.57 g/t silver were also reported (Oddy, 1969). Table I below lists chip sample results while Figure 2 illustrates the location of the trenches from which they were taken.

Table I – 1969 Trenching Results

Trench *	Length (m)	Cu (%)	MoS_2 (%)
TR-69-01	76.20	0.05	0.005
TR-69-02	54.86	0.21	0.008
TR-69-03	36.58	0.27	0.012
TR-69-04	15.24	0.30	0.012
TR-69-05	9.14	0.12	0.006
TR-69-06	45.72	0.014	0.005
TR-69-07	15.24	nil	0.002
TR-69-08	12.19	0.013	0.002
TR-69-09	27.43	0.21	0.006
TR-69-10	33.53	0.21	0.009
TR-69-11	33.53	0.036	0.005
TR-69-12	9.14	0.05	0.005
TR-69-13	6.10	0.02	0.004
TR-69-14	6.10	0.04	0.060
TR-69-15	12.19	0.03	0.010
TR-69-16	33.53	0.03	0.006
TR-69-17	12.19	0.04	0.010
TR-69-18	24.38	0.04	0.008
TR-69-19	21.34	0.06	0.003
TR-69-20	12.19	0.10	0.008
TR-69-21	27.43	0.19	nil
TR-69-22	9.14	0.08	0.057

*Trenches have been assigned arbitrary numbers.

In 1970, eight diamond drill holes totalling 805 m were completed on the Cork property. No assessment report was filed for this drilling, but a report by Halferdahl (1984) describes the geology in holes 70-1 to 70-6 and reports values from core and sludge assayed in 1970. Table II below lists copper and molybdenum highlights from the drill holes.

Table II – 1970 Diamond Drilling Results

Hole (length m)	Length (m)	Copper (%)	MoS_2(%)
70-1 (90.98)	3.05	0.21	0.013
70-2 (103.94)	1.52	0.06	0.003
70-3 (74.37)	3.04	0.73	0.008
70-4 (122.12)	3.97	0.25	0.005
70-5 (152.70)	3.04	0.03	0.003
70-6 (142.95)	3.05	0.10	0.002
70-7 and 70-8 – information not reported.			

In 1979, the area was restaked as the Granite claims by G. Harris and again in 1980 as JY claims by Halferdahl and Associates (Bur Syndicate).

In 1981, a series of heavy mineral samples were collected by Halferdahl from within the area of the current Corky property and northeast of it. Three samples from Johnson Creek returned: 1220 ppb gold, 1 ppm lead, 62 ppm zinc, 910 ppm copper and 49 ppm nickel; 156 ppb gold, 1 ppm lead, 88 ppm zinc, 1050 ppm copper and 62 ppm nickel; and 1750 ppb gold, 1 ppm lead, 68 ppm zinc, 710 ppm copper and 52 ppm nickel (Nelson and Halferdahl, 1981).

In 1982, some anomalous heavy mineral sample sites were drill tested; however, the sample sites from Johnson Creek were not drilled (Halferdahl, 1982). No results were reported for that work.

In 1985, the Geological Survey of Canada conducted a low-density stream sediment and water sampling survey on NTS map sheet 115G (Friske et al., 1986). Only one sample was taken from creeks draining the area of the Corky property. With respect to regional thresholds, this sample returned a 90^{th} percentile value for gold (18 ppb) and median (50^{th} percentile) values for copper (31 ppm), molybdenum (1 ppm), nickel (34 ppm), lead (7 ppb) and zinc (65 ppm).

In 1985, the Bur Syndicate transferred the JY claims to Tatam Resources Inc. Tatam performed trenching and drilling on and north of the current Corky property. Holes 85-1 (101.96 m) and 85-2 (100.89 m) were drilled near holes 70-6 and 70-3 to test mineralization at depth below a bulldozer trench (Halferdahl, 1986). Halferdahl relogged the core from the 1970 drill program. Where possible, he resampled core or took representative chip samples and assayed them for gold, copper, molybdenum, lead, zinc and sometimes nickel. Table III lists results from reanalysis of the 1970 drill core.

Table III – 1985 Resampling of 1970 Drill Core

Hole	Length (m)	Au (g/t)	Ag (g/t)	Cu (%)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Ni (ppm)
70-1	1.19	0.335		0.034	6	3	23	
70-2	1.10	0.265		0.12	92	1	50	
	1.96	2.14		0.01	5	8	42	
	1.01	2.75		0.002	7	6	39	
	0.96	0.575		0.002	8	5	36	
70-3	0.72	0.225		0.28	61	1	48	
70-4	1.53	0.550		0.28	33	1	36	23
	0.97	0.210		0.06	3	1	31	35
	0.34	0.065		0.25	3	1	32	15
70-5	1.42	0.245		0.02	1	7	51	71
70-6	0.35	0.175		0.27	67	1	130	
	0.52	0.102	1.7	0.03	20	5	35	
	0.61	0.340	2.7	0.05	26	5	32	
	0.74	0.510		0.19	44	1	42	108
	0.91	>10.0	27.29	0.15	53	1	28	97

In 1987, the claims were transferred to Nathan Mls Inc. and road improvements were done in 1989. No work has been reported on the property since this time.

Strategic staked the Corky claims in July 2010.

GEOMORPHOLOGY AND CLIMATE

The Corky property is located along the northeast edge of the Kluane Range about 10 km southwest of the broad, flat-bottomed Shakwak Valley. The property lies immediately north of Burwash Creek. Elevations range from 1050 m at Burwash Creek to 1950 m on the main ridge to the west.

Vegetation consists of stunted black spruce and thick moss near Burwash Creek, giving way to willow and black birch on lower slopes with moss, lichen and grass on upper slopes. Higher elevations are characterized by long, steep (about 30°) talus slopes. Outcrops occur near ridge crests and along actively eroding creek cuts.

The climate in the Corky area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from late May to late September.

REGIONAL GEOLOGY

The Burwash property lies along the northeast edge of Wrangellia Terrane (Figure 3) within a steeply dipping package of Late Paleozoic and Early Mesozoic volcanic and sedimentary rocks that are bounded on the northeast by the Denali Fault and southwest by the Duke River Fault. Figure 4 illustrates 1:50,000 scale mapping compiled by Gordey and Makepeace (2003). The following lithological unit descriptions have been compiled most recently by Israel and Van Zeyl (2004).

Skolai Assemblage

The oldest rocks in the project area belong to the 1000 m thick Pennsylvanian to Permian Station Creek Formation (PSv), which forms the lower member of the Skolai Assemblage. The lower part of the formation consists of augite-phyric basalt and andesitic volcanic flows that are succeeded upwards by fine- to medium-grained tuff. Volcanic agglomerate and breccia are locally present and discontinuous beds of limestone occur throughout. The upper 400 m of the formation is transitional with overlying Hasen Creek Formation (PHp), with the contact informally put at the cessation of pyroclastic deposition.

The Hasen Creek Formation forms the upper part of the Skolai Assemblage, attaining a maximum thickness of approximately 800 m. Stratigraphy consists of a fine grained clastic lower member composed of grey to black phyllite, cherty argillite, and siltstone that gives way gradationally upward to shaly limestone and buff coloured massive bioclastic limestone and calcarenite with discontinuous beds of reddish brown conglomerate, massive greywacke and sandstone. Thin basaltic flows, breccia and tuff are locally present.

Nikolai Assemblage

The Middle to Late Triassic Nikolai Assemblage (uTrNv) is a kilometre or more thick sequence of basalt flows with minor interbedded limestone that unconformably overlies the Skolai Assemblage rocks. Flows are thin (2 to 10 m), vesicular to amygdaloidal and locally hematitic, indicating shallow water to sub-aerial deposition.

Kluane Mafic-Ultramafic Suite

Mafic and ultramafic intrusions (uTru) are common within the northeast section of the Kluane Range. These sill-like bodies probably acted as sub-volcanic feeders to the overlying oceanic plateau basalts of uTrNv. They are preferentially emplaced along the contact between PHp and PSv within a short stratigraphic distance above or below the contact. They vary from less than 10 to 1000 m in thickness and attain strike lengths up to 20 km. Gabbros are also locally present in wallrocks peripheral to the sills. Gabbro and pyroxenite phases often host magmatic sulphide concentrations as either massive sulphide lenses or heavy disseminations. Crosscutting relationships indicates an Upper Triassic age for the mafic-ultramafic intrusions.

Kluane Range Suite

The Late Early Cretaceous Kluane Ranges Suite (EKK) comprises grey, medium to coarse grained, biotite-hornblende granodiorite, quartz diorite, quartz monzonite and hornblende diorite.

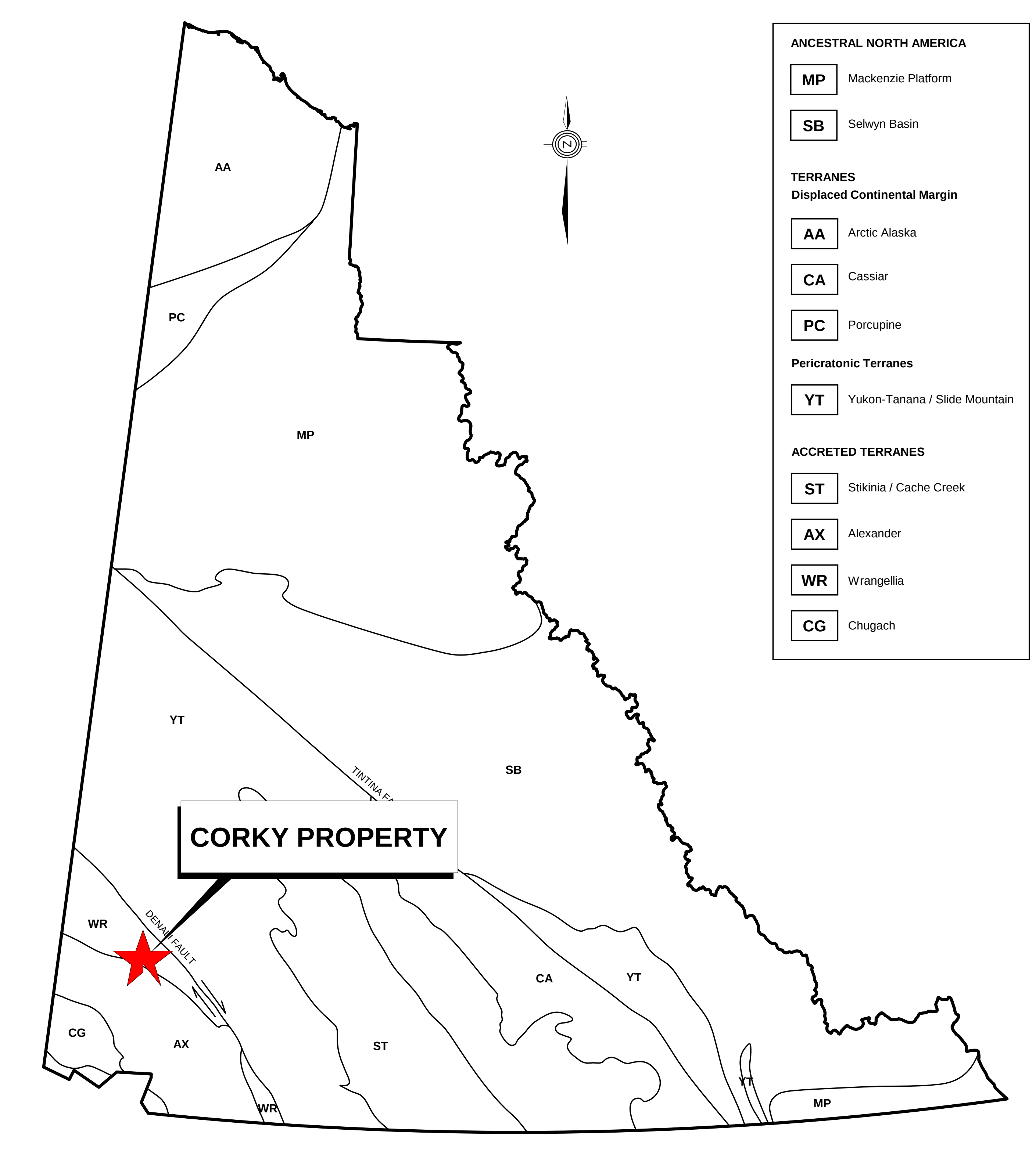

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

CORKY PROPERTY

0 200 km

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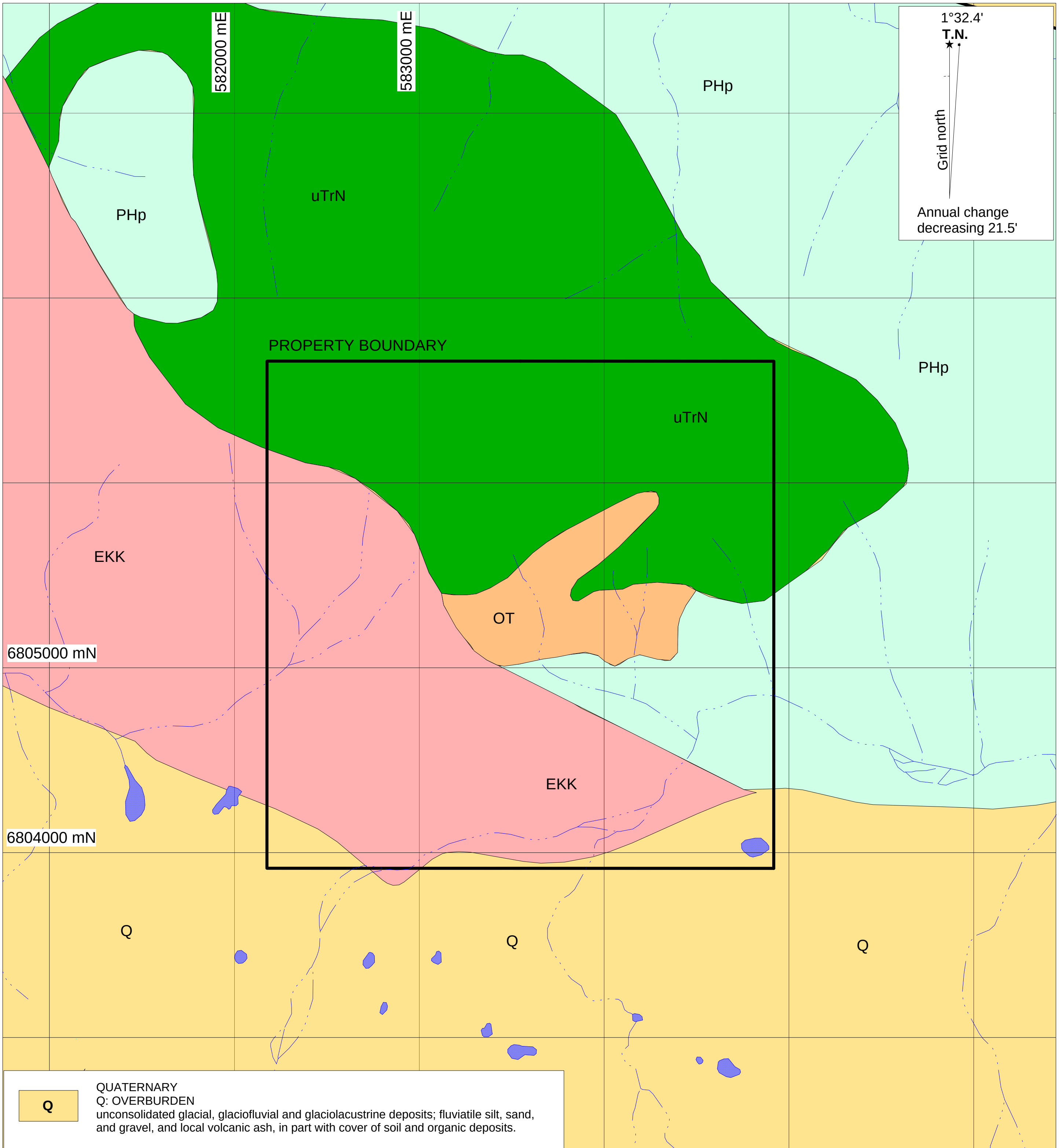

Q QUATERNARY
Q: OVERBURDEN
unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits.

OT OLIGOCENE
OT: TKOPE SUITE
Light pinkish-grey, medium to coarse grained, homogeneous biotite and or hornblende granite (locally miarolitic); lesser light creamy-grey biotite-hornblende granodiorite, dark grey biotite-hornblende-quartz diorite and gabbro diorite.

EKK LATE EARLY CRETACEOUS
EKK: KLUANE RANGES SUITE
Grey, medium to coarse grained, biotite-hornblende granodiorite, quartz diorite, quartz monzonite and hornblende diorite.

uTrN UPPER TRIASSIC
uTrN: NICOLAI
Amygdoidal basaltic and andesitic flows with local tuff, breccia, shale and thin bedded bioclastic limestone; volcanic breccia, pillow lava and conglomerate at base. Locally includes dark grey phyllite and minor thin bedded grey limestone.

PHp PENSYLVANIAN TO LOWER PERMIAN
CPS1: SKOLAI
Tuff, breccia, argillite, agglomerate, andesitic flows (Station Creek Formation); succeeded by thin-bedded argillite, siltstone, greywacke, conglomerate and local thin basal flows (Hasen Creek Formation).

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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

CORKY PROPERTY

0 500 m 1 km
UTM ZONE 7, NAD 83, 115G/06

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Tkope Suite
The Oligocene Tkope Suite has been described as light pinkish-grey, medium to coarse grained, homogeneous biotite and or hornblende granite (locally miarolitic); lesser light creamy-grey biotite-hornblende granodiorite, dark grey biotite-hornblende-quartz diorite and gabbro diorite.

PROPERTY GEOLOGY

Property-scale mapping was completed in 1969 on the current Corky property (Oddy, 1969). An updated version of the 1969 map, with modern lithological unit names, is illustrated on Figure 5.

The following description of property geology was taken from the report that accompanied the detailed property geology map from Oddy (1969). The southeastern part of the property is underlain by the southern limb of a large syncline, which strikes east-west and dips 20 to 40º north. The core of the syncline comprises sedimentary rocks belonging to the Hasen Creek Formation (PHp). This package includes shale, slate, argillite, limestone, marble, quartzite and conglomerate. Rusty weathering surfaces are common throughout the sedimentary package and intense fracturing and pyritization are seen in argillite and shale.

PHp is disconformably overlain by Nikolai Assemblage (uTrN) volcanic rocks that have undergone low grade metamorphism. A 1900 m long by 600 m wide band of uTrN forms the northern-most unit on the property. The primary uTrN rocks on the property are intermediate to basic volcanics namely andesite and basalt. The andesite is dark green, brown and purple and amygdoidal with calcite-filled vesicles, while the basalt is dark brown to black and fine grained with breccia and agglomerates containing sub-angular fragments of PHp. Pale green tuff with a fine grained light green to dark green matrix and cherty or limey beds are also mapped. Near the disconformity, contact rocks have been altered to hornfels and skarnified with pyrite, epidote, calcite, garnet, chalcopyrite, magnetite, specularite and bornite.

In the northwest corner of the mapping area, uTrN is intruded by Kluane Mafic-Ultramafic Suite plugs and dykes. The plugs and dykes are irregularly shaped, dark green and medium grained gabbro with plagioclase and augite crystals.

The main Kluane Range Suite intrusive rocks on the property are unaltered, medium grained, equigranular, feldspar-biotite-hornblende diorite. The diorite outcrops in the southern part of the property near the confluence of Johnson and Burwash creeks.

In the west-central part of the mapped area, a 900 by 700 m, open-ended area of Tkope Suite feldspar porphyry and related hornfels and skarn intrude along the contact between the PHp and uTrN. This unit was previously described as a quartz latite porphyry and has been dated as 26±3 Ma. by Christopher et al., (1972). The porphyry consists of white phenocrysts (2 to 3 mm^2) of sodic plagioclase in a white, light or dark grey fine grained matrix with less than 5% biotite and 3% pyrite. The skarn appears to be developed in the limey tuff.

MINERALIZATION

A copper-molybdenum-gold enriched porphyry target has been identified on the Corky property. It has received a moderate amount of work to evaluate its potential. Table IV lists mineralization characteristics as observed by Oddy (1969) and Halferdahl (1986).

Table IV– Mineralization

Mineral	Abundance	Style	Host
Pyrite	0.25 to 2%	Fracture fillings and disseminations	Feldspar porphyry
Pyrite	<10%	Fracture fillings and disseminations	Volcanics
Chalcopyrite	1%	Fracture fillings and disseminations	Feldspar porphyry/skarn
Molybdenum	<0.5%	Fracture fillings	Feldspar prophyry
Magnetite	Moderate	Disseminations	Near contacts
Specularite	Trace	Disseminations	Along contacts
Bornite	1%	Disseminations and blebs	Skarn and feldspar prophyry

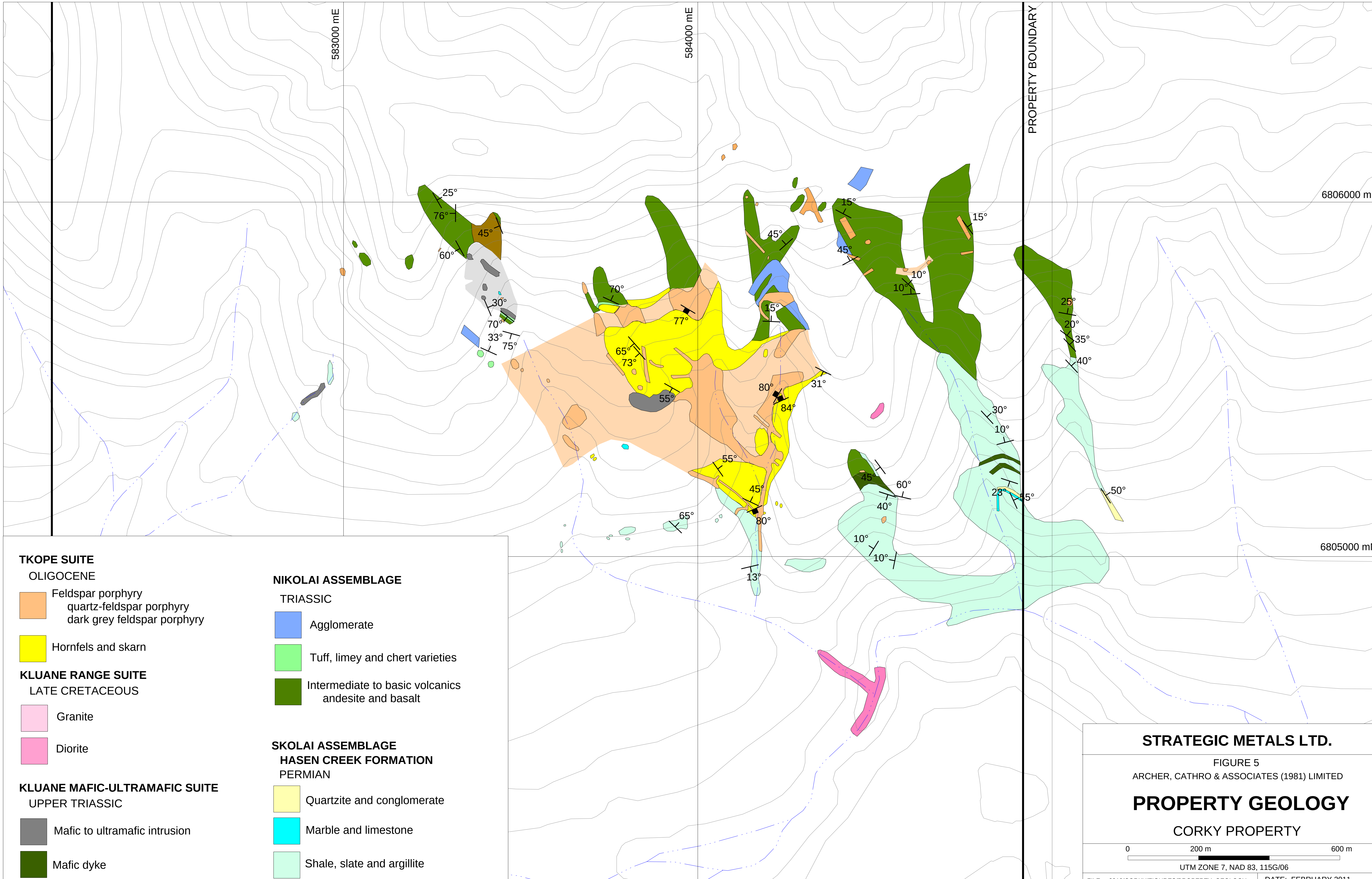
Rock sample and trench locations are shown on Figure 6 and copper rock geochemistry is shown on Figure 7. Results from 1969 trench sampling and 1970 and 1985 diamond drilling are listed in tables in the History section of this report.

SOIL GEOCHEMISTRY

In 2010, a total of 275 soil samples were taken from a 2000 by 1700 m grid that covers the central part of the property (Figure 8). Results for copper, gold and molybdenum are plotted on Figures 9 to 11, respectively. Certificates of Analysis are in Appendix II. All 2010 soil sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. In areas with vegetation cover, a hand held soil auger was used to collect material from as deep in the soil profile as ground conditions allowed, which was typically about 30 cm depth. In areas dominated by talus, geotuls were used to collect talus fines and residual soil. Samples were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Chemex, where they were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 50 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-AA24).

The soil sampling identified a roughly 600 by 1000 m area of moderately to strongly anomalous values for copper, gold and molybdenum. This area has a core of well correlated copper and molybdenum highs and a halo of strongly anomalous gold values. The anomalous areas contain copper values ranging from 525 to 1375 ppm, gold values ranging from 51 to 275 ppb and molybdenum values ranging from 10 to 67 ppm.

There appears to be a good correlation between the feldspar porphyry, hornfels and skarn and anomalous copper, gold and molybdenum values. Within PHp and uTrN, geochemical response for copper was background to strongly anomalous (up to 828 ppm), for gold was background to


583000 mE
584000 mE
PROPERTY BOUNDARY
6806000 mN
6805000 mN
TKOPE SUITE
OLIGOCENE
Feldspar porphyry
quartz-feldspar porphyry
dark grey feldspar porphyry
Hornfels and skarn
KLUANE RANGE SUITE
LATE CRETACEOUS
Granite
Diorite
KLUANE MAFIC-ULTRAMAFIC SUITE
UPPER TRIASSIC
Mafic to ultramafic intrusion
Mafic dyke
NIKOLAI ASSEMBLAGE
TRIASSIC
Agglomerate
Tuff, limey and chert varieties
Intermediate to basic volcanics
andesite and basalt
SKOLAI ASSEMBLAGE
HASEN CREEK FORMATION
PERMIAN
Quartzite and conglomerate
Marble and limestone
Shale, slate and argillite
STRATEGIC METALS LTD.
FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
CORKY PROPERTY
0
200 m
600 m
UTM ZONE 7, NAD 83, 115G/06
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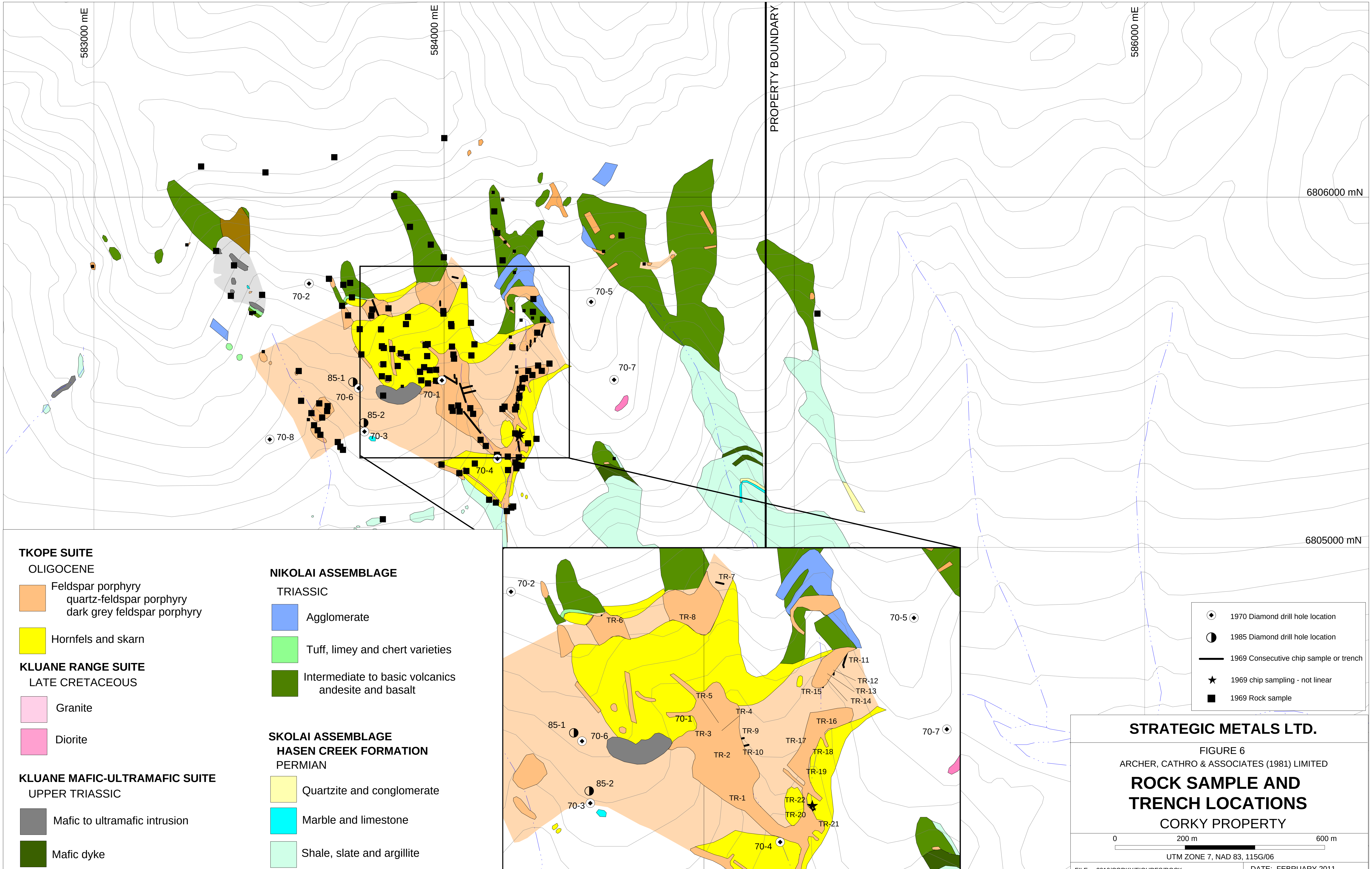
DATE: FEBRUARY 2011



583000 mE
584000 mE
PROPERTY BOUNDARY
586000 mE
6806000 mN
6805000 mN
70-2
70-5
70-7
85-1
70-6
70-1
85-2
70-3
70-8
70-4
TR-7
TR-6
TR-8
TR-11
TR-12
TR-13
TR-14
TR-15
TR-5
TR-4
TR-9
TR-3
TR-10
TR-2
TR-16
TR-17
TR-18
TR-19
TR-1
TR-22
TR-20
TR-21
TKOPE SUITE
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Feldspar porphyry
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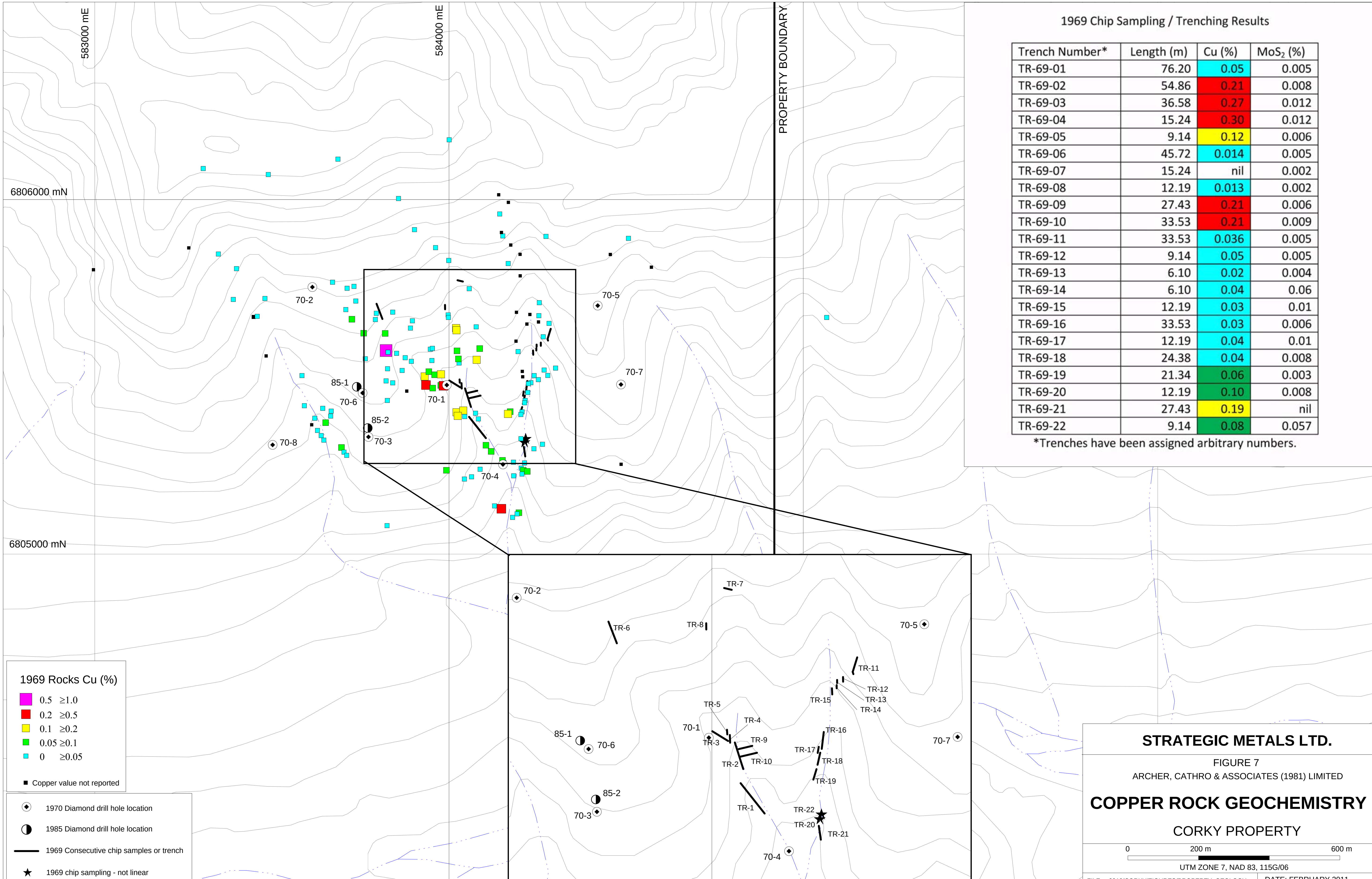
Hornfels and skarn
KLUANE RANGE SUITE
LATE CRETACEOUS
Granite
Diorite
KLUANE MAFIC-ULTRAMAFIC SUITE
UPPER TRIASSIC
Mafic to ultramafic intrusion
Mafic dyke
NIKOLAI ASSEMBLAGE
TRIASSIC
Agglomerate
Tuff, limey and chert varieties
Intermediate to basic volcanics
andesite and basalt
SKOLAI ASSEMBLAGE
HASEN CREEK FORMATION
PERMIAN
Quartzite and conglomerate
Marble and limestone
Shale, slate and argillite
1970 Diamond drill hole location
1985 Diamond drill hole location
1969 Consecutive chip sample or trench
1969 chip sampling - not linear
1969 Rock sample
STRATEGIC METALS LTD.
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ROCK SAMPLE AND
TRENCH LOCATIONS
CORKY PROPERTY
0
200 m
600 m
UTM ZONE 7, NAD 83, 115G/06
FILE: ...2010/CORKY/FIGURES/ROCK
DATE: FEBRUARY 2011



1969 Chip Sampling / Trenching Results

Trench Number*	Length (m)	Cu (%)	MoS_2 (%)
TR-69-01	76.20	0.05	0.005
TR-69-02	54.86	0.21	0.008
TR-69-03	36.58	0.27	0.012
TR-69-04	15.24	0.30	0.012
TR-69-05	9.14	0.12	0.006
TR-69-06	45.72	0.014	0.005
TR-69-07	15.24	nil	0.002
TR-69-08	12.19	0.013	0.002
TR-69-09	27.43	0.21	0.006
TR-69-10	33.53	0.21	0.009
TR-69-11	33.53	0.036	0.005
TR-69-12	9.14	0.05	0.005
TR-69-13	6.10	0.02	0.004
TR-69-14	6.10	0.04	0.06
TR-69-15	12.19	0.03	0.01
TR-69-16	33.53	0.03	0.006
TR-69-17	12.19	0.04	0.01
TR-69-18	24.38	0.04	0.008
TR-69-19	21.34	0.06	0.003
TR-69-20	12.19	0.10	0.008
TR-69-21	27.43	0.19	nil
TR-69-22	9.14	0.08	0.057

*Trenches have been assigned arbitrary numbers.

STRATEGIC METALS LTD.

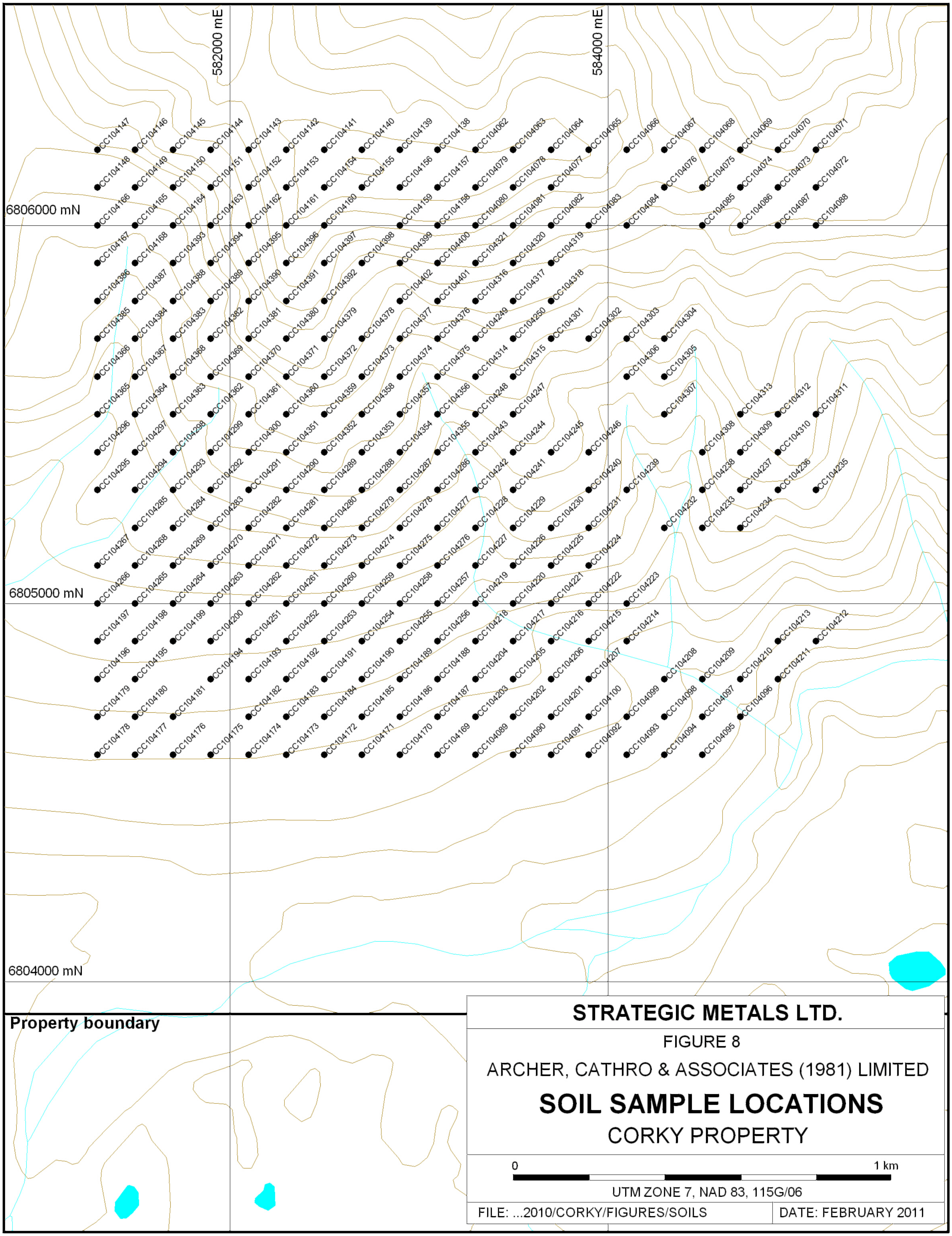
FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER ROCK GEOCHEMISTRY

CORKY PROPERTY

FILE: ...2010/CORKY/FIGURES/PROPERTY_GEOLOGY | DATE: FEBRUARY 2011



STRATEGIC METALS LTD.

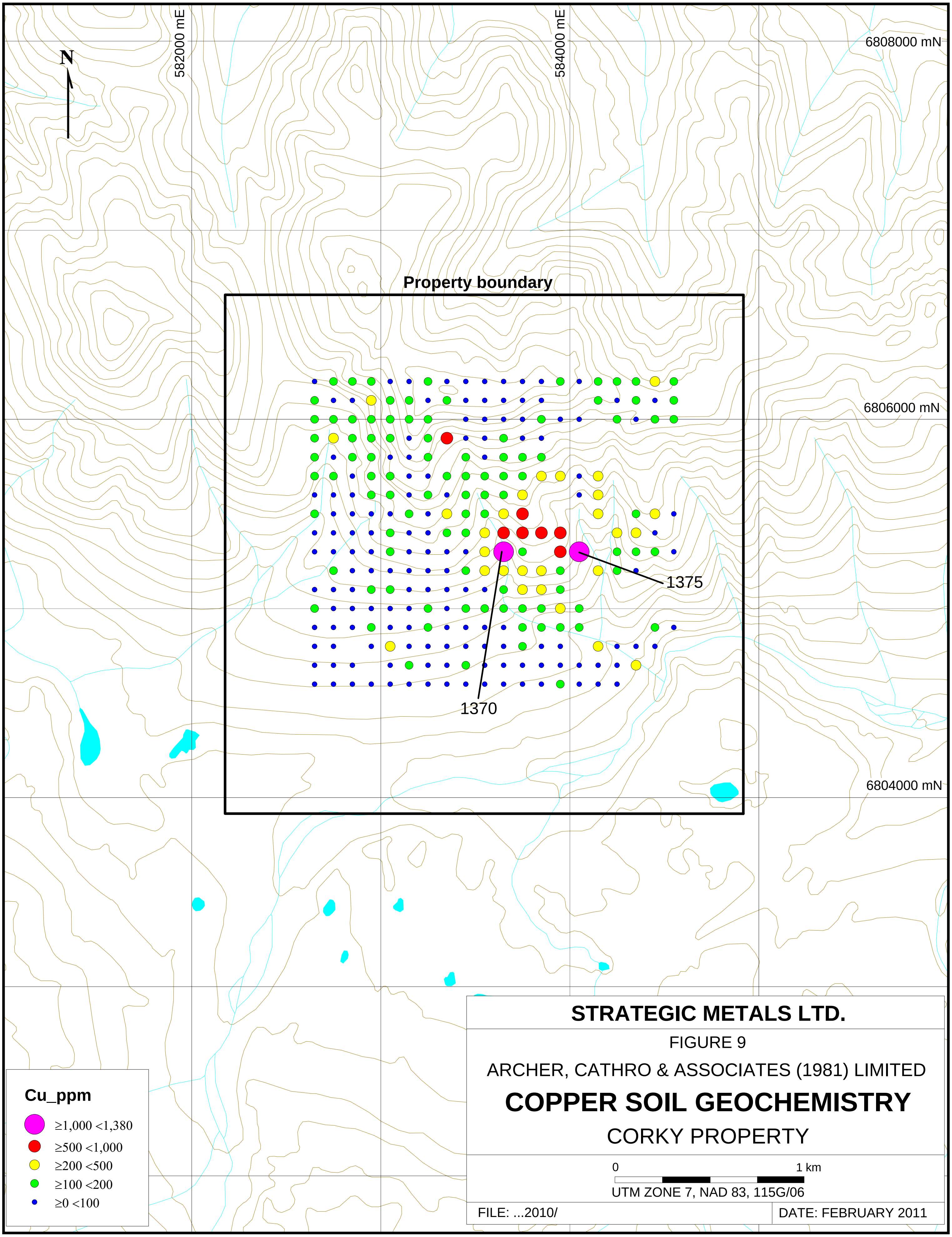
FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SOIL SAMPLE LOCATIONS

CORKY PROPERTY

FILE: ...2010/CORKY/FIGURES/SOILS | DATE: FEBRUARY 2011



STRATEGIC METALS LTD.

FIGURE 9

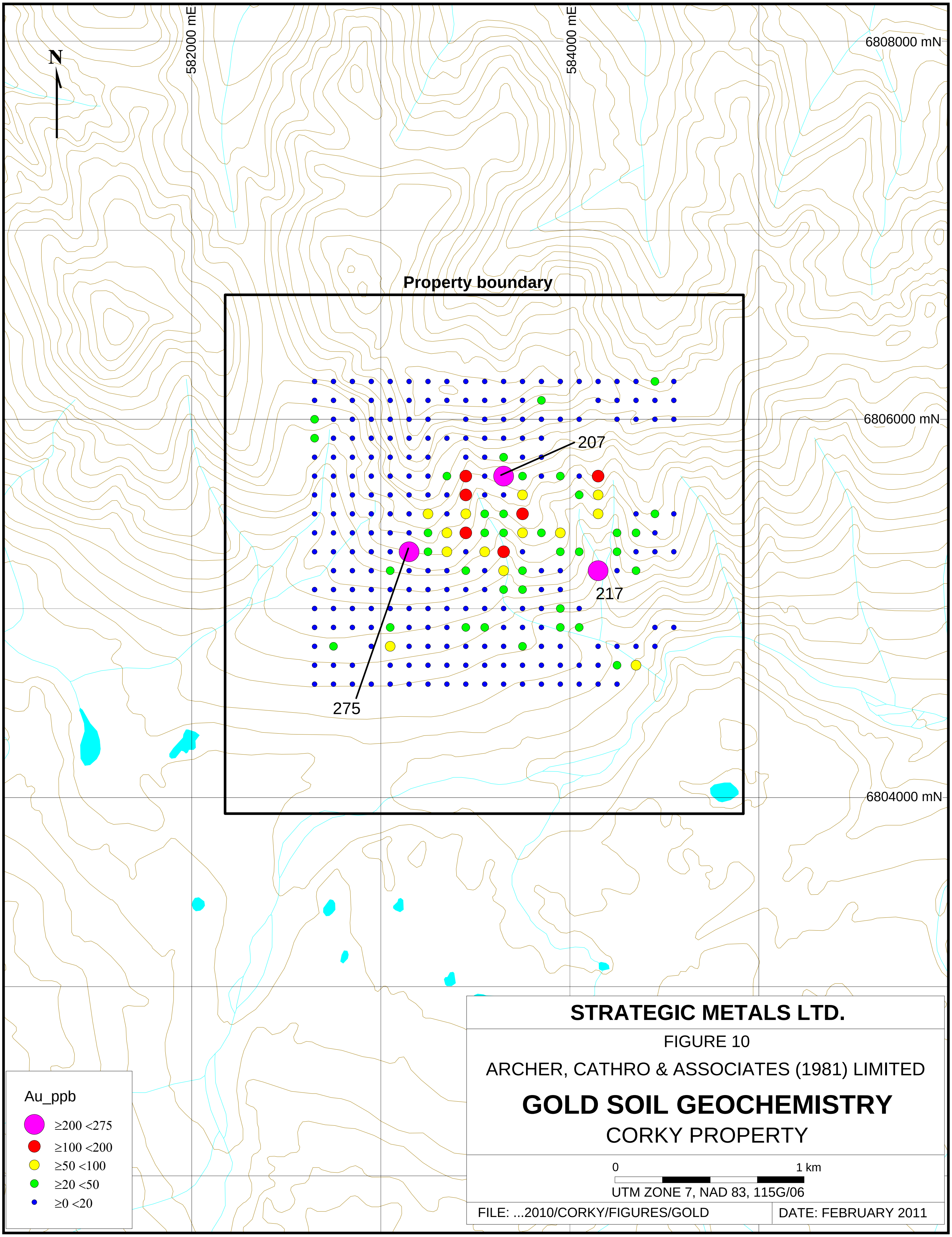
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER SOIL GEOCHEMISTRY

CORKY PROPERTY

FILE: ...2010/

DATE: FEBRUARY 2011



STRATEGIC METALS LTD.

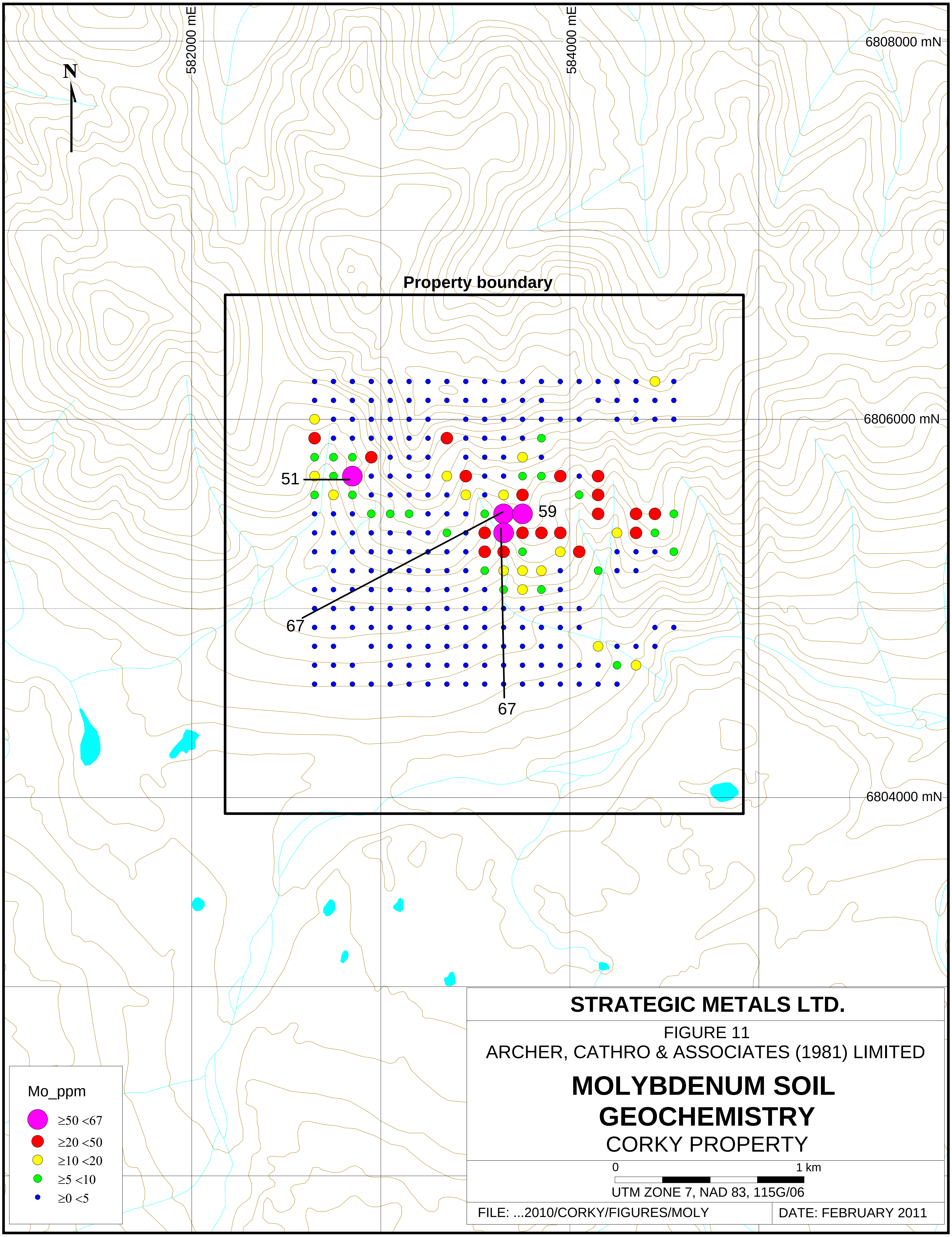
FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD SOIL GEOCHEMISTRY

CORKY PROPERTY

FILE: ...2010/CORKY/FIGURES/GOLD | DATE: FEBRUARY 2011



582000 mE
584000 mE
6808000 mN
6806000 mN
6804000 mN
N
Property boundary
51
59
67
67
Mo_ppm
≥50 <67
≥20 <50
≥10 <20
≥5 <10
≥0 <5
STRATEGIC METALS LTD.
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
MOLYBDENUM SOIL GEOCHEMISTRY
CORKY PROPERTY
0
1 km
UTM ZONE 7, NAD 83, 115G/06
FILE: ...2010/CORKY/FIGURES/MOLY
DATE: FEBRUARY 2011

moderately anomalous (up to 59 ppb) and for molybdenum was background to strongly anomalous (up to 51 ppm).

AIRBORNE GEOPHYSICAL SURVEYS

In 2010, helicopter-borne magnetics and radiometric surveys were contracted to New-Sense Geophysics Limited of Markham, Ontario. Interpretation of the survey data was completed by Condor Consulting Inc. of Lakewood, Colorado.

A total of 87 line kilometres were flown over the Corky property. Appendix III contains reports by New-Sense and Condor, which describe equipment and procedures that were used during the surveys and interpreted results. CDs containing digital survey data are also attached to this report.

Figure 12 illustrates total field magnetics, copper soil geochemistry and locations of 1970 and 1985 diamond drill holes. The following geophysical interpretations are based on a conference call between the author and Ken Witherly of Condor. The magnetic anomaly has a significant range of 1700 nT. The strongest magnetic response correlates with outcrops of feldspar porphyry and may represent a buried continuation of that unit. The magnetic response in the northern part of the survey area is weaker than in the south; however, this may be attributed to volcanic cover rocks obscuring the magnetic signature. A small northwest trending dyke may explain the linear moderately magnetic feature in the northern part of the survey. South of Burwash Creek, an oval magnetic high may represent a buried satellite plug. No lineaments are indicated by the geophysical survey. No tilt image was created because the size of the survey area was too small to allow for a proper evaluation of the property.

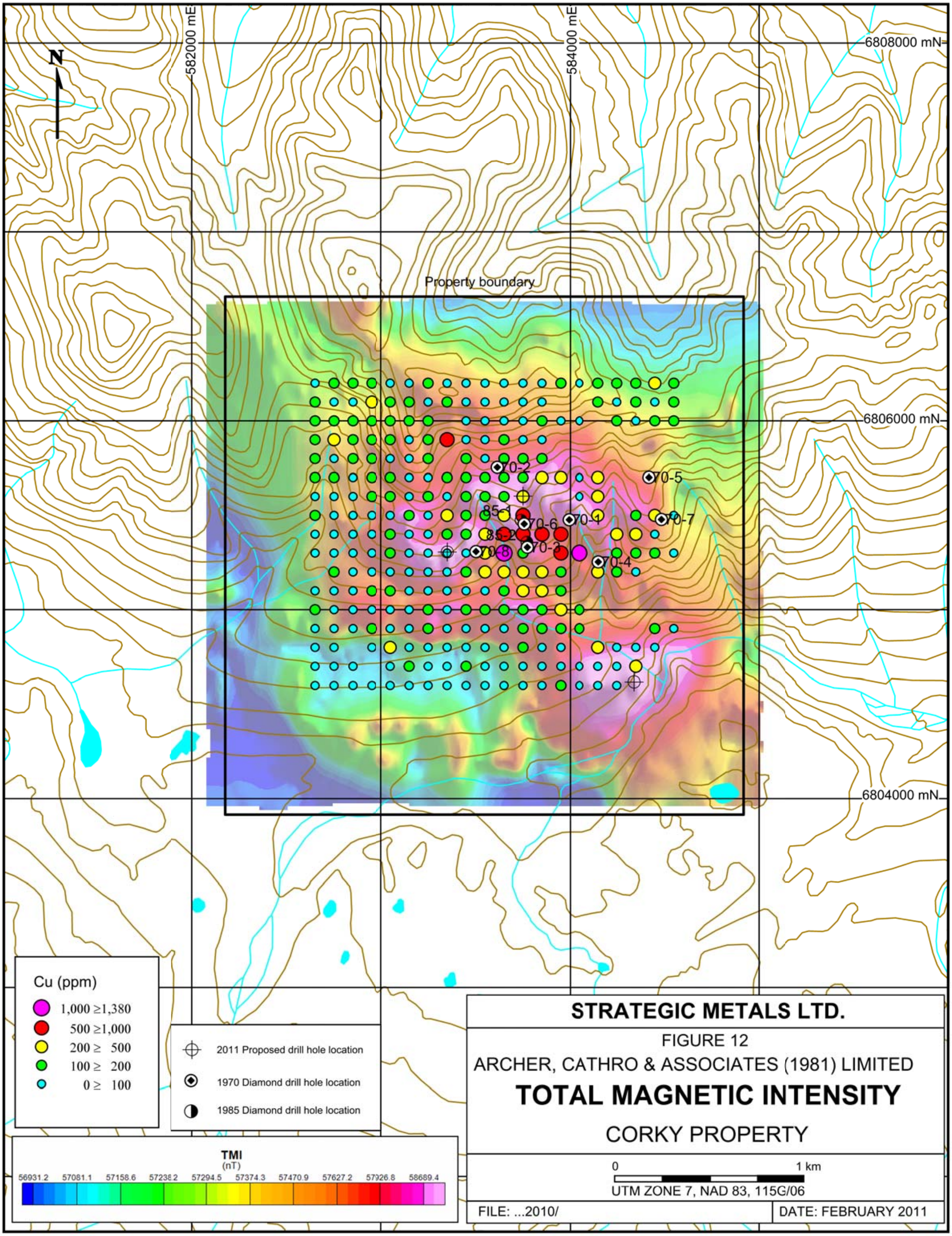
The anomalous copper- and molybdenum-in-soil values lie almost exclusively down slope from the magnetic anomaly in the centre of the property. Gold has a more direct correlation with the elevated magnetic signature than do copper and molybdenum.

The highest value from the re-analysis of 1970 drill core was greater than 10 g/t gold, 27.29 g/t silver, 0.15% copper, 1 ppm molybdenum, 28 ppm lead and 97 ppm zinc over 0.91 m. Based on the orientation of the drill hole, this intersection may have tested the upper most surface of the magnetic anomaly.

Radiometric results are inconclusive and are strongly influenced by elevation and depth of overburden cover.

DISCUSSION AND CONCLUSIONS

The age of the Corky porphyry places it in a unique group of young, mineralized intrusions along the western edge of the Canadian Cordilleran. There are two other, porphyry related intrusions known to be approximately this age. They are Catface (48±12 Ma.) on Vancouver Island and the Mint (26 Ma.), which lies about 90 km northwest of the Corky property. Catface has an indicated ore reserve of 56,000,000 tonnes at 0.40% copper and an inferred reserve of 263,000,000 tonnes at 0.38% copper (Chapman, 2009). The Mint porphyry was discovered in



N
582000 mE
584000 mE
6808000 mN
6806000 mN
6804000 mN
Property boundary
70-2
70-5
85-1
70-6
70-1
70-7
85-2
70-3
70-8
70-4
Cu (ppm)
1,000 ≥1,380
500 ≥1,000
200 ≥ 500
100 ≥ 200
0 ≥ 100
2011 Proposed drill hole location
1970 Diamond drill hole location
1985 Diamond drill hole location
TMI
(nT)
56931.2
57081.1
57158.6
57238.2
57294.5
57374.3
57470.9
57627.2
57926.8
58689.4
STRATEGIC METALS LTD.
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TOTAL MAGNETIC INTENSITY
CORKY PROPERTY
0
1 km
UTM ZONE 7, NAD 83, 115G/06
FILE: ...2010/
DATE: FEBRUARY 2011

summer 2010 by Strategic. Only minor amounts of geochemical sampling, mapping and prospecting have been done on that target to date.

Results from 2010 soil sampling at the Corky property were encouraging and confirm the presence of a porphyry target. The strongest magnetic response lies immediately uphill from the core of the soil geochemical anomaly in an area that has not yet been systematically drill tested.

Future work should include additional soil sampling to complete the soil coverage on the property, in conjunction with diamond drilling. Careful consideration should be applied to selection of drill hole locations. Based on the locations of the Condor magnetic anomalies, it appears that the 1970 and 1985 diamond drill holes did not test the most prospective porphyry targets. If the historical drill holes (70-6 and 70-8) can be relocated, additional holes should be drilled farther north and west to test the main magnetic anomaly and probable sources of the metal-rich soils. The secondary magnetic anomaly located at the junction of Burwash and Johnson Creeks should be ground proofed and, if it is covered by thick overburden, consideration should also be given to drilling into it. Locations of proposed drill holes are shown on Figure 12.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Heather Smith, B.Sc. Geology, P.Geo.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

<u>**STATEMENT OF QUALIFICATIONS**</u>

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address at #604-175 West 1 Street, North Vancouver, British Columbia, V7M 3N9 do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.

2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.

3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 150000).

4. I have personally directed the fieldwork reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc., P.Geo.

APPENDIX II

CERTIFICATES OF ANALYSIS

ALS Minerals

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

CERTIFICATE VA10120387

Project: CORKY
P.O. No.:
This report is for 275 Soil samples submitted to our lab in Vancouver, BC, Canada on 26-AUG-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER	BILL WENGZYNOWSKI	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **STRATEGIC METALS LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC104062		0.20	0.010	<0.2	2.16	10	<10	110	<0.5	<2	0.63	<0.5	19	55	80	3.91
CC104063		0.28	0.012	<0.2	2.81	5	<10	80	<0.5	<2	0.52	<0.5	28	72	77	4.23
CC104064		0.22	0.007	<0.2	2.52	22	<10	170	0.6	<2	0.56	<0.5	23	57	71	4.64
CC104065		0.30	0.012	<0.2	2.92	10	<10	90	0.5	<2	0.78	<0.5	21	68	107	4.16
CC104066		0.34	0.014	<0.2	3.18	10	<10	90	0.6	<2	0.72	<0.5	34	135	70	5.43
CC104067		0.42	0.014	0.2	2.38	17	<10	130	0.5	<2	0.80	<0.5	24	87	100	4.43
CC104068		0.26	0.011	0.2	2.58	8	<10	50	0.6	<2	0.69	<0.5	34	92	154	5.24
CC104069		0.36	0.009	<0.2	3.06	11	<10	80	0.6	<2	0.92	<0.5	32	125	175	5.61
CC104070		0.22	0.028	1.0	2.32	34	<10	110	0.7	2	4.47	5.4	110	142	232	7.80
CC104071		0.26	0.012	0.2	2.82	14	<10	100	0.5	<2	1.16	0.5	35	182	184	5.03
CC104072		0.26	0.014	<0.2	2.44	9	<10	100	<0.5	<2	0.76	<0.5	27	82	102	4.60
CC104073		0.22	0.013	0.3	2.62	15	<10	140	<0.5	<2	0.59	<0.5	29	97	68	4.74
CC104074		0.26	0.010	0.2	2.97	24	<10	120	0.7	2	0.64	<0.5	26	88	127	4.89
CC104075		0.26	0.011	0.4	2.89	17	<10	130	0.6	<2	0.60	<0.5	29	66	98	5.13
CC104076		0.24	0.017	0.3	2.12	24	<10	140	0.6	2	0.83	<0.5	25	72	116	4.09
CC104077		0.26	0.033	<0.2	2.25	17	<10	160	0.5	<2	0.71	<0.5	21	58	93	4.07
CC104078		0.24	0.011	0.2	2.01	13	<10	150	<0.5	<2	0.58	<0.5	18	48	65	3.79
CC104079		0.32	0.007	<0.2	2.53	19	<10	180	0.6	<2	0.61	<0.5	22	72	66	4.42
CC104080		0.18	0.009	0.3	1.94	18	<10	170	0.5	<2	0.79	<0.5	20	46	61	4.02
CC104081		0.22	0.011	<0.2	2.44	13	<10	150	0.5	2	0.49	<0.5	21	71	80	4.24
CC104082		0.20	0.013	0.3	2.80	14	<10	130	0.5	<2	0.68	<0.5	28	83	143	4.93
CC104083		0.18	0.015	<0.2	1.67	16	<10	140	<0.5	<2	0.63	<0.5	18	45	71	3.21
CC104084		0.28	0.014	<0.2	2.55	15	<10	140	0.5	<2	0.78	<0.5	25	64	85	4.47
CC104085		0.28	0.014	0.3	2.34	17	<10	180	0.5	<2	0.93	<0.5	27	67	111	4.49
CC104086		0.34	0.009	0.2	2.18	25	<10	200	0.6	2	0.78	<0.5	24	57	66	4.51
CC104087		0.26	0.011	0.4	2.34	20	<10	190	0.6	<2	0.91	<0.5	28	70	107	4.75
CC104088		0.20	0.008	0.2	2.39	18	<10	140	0.5	<2	1.05	<0.5	27	85	106	4.27
CC104089		0.26	0.009	<0.2	2.12	12	<10	150	<0.5	<2	0.75	<0.5	18	62	57	3.85
CC104090		0.42	0.010	<0.2	2.14	9	<10	160	0.5	<2	0.92	<0.5	25	66	83	4.20
CC104091		0.28	0.010	0.2	1.38	11	<10	150	<0.5	<2	0.65	<0.5	13	46	65	2.75
CC104092		0.34	0.007	0.2	1.78	19	<10	180	0.6	<2	1.01	<0.5	19	45	110	3.35
CC104093		0.46	0.008	<0.2	2.24	13	<10	180	<0.5	<2	0.97	<0.5	23	78	70	3.84
CC104094		0.36	0.013	0.2	2.23	11	<10	180	0.5	<2	1.02	<0.5	17	67	93	3.46
CC104095		0.26	0.010	0.2	1.83	21	<10	120	<0.5	<2	0.39	<0.5	12	44	58	3.95
CC104096		0.38	0.059	0.7	2.42	17	<10	200	0.5	<2	0.80	<0.5	22	94	376	4.62
CC104097		0.22	0.038	<0.2	1.47	12	<10	150	<0.5	<2	0.37	<0.5	11	40	63	3.36
CC104098		0.32	0.010	<0.2	1.70	10	<10	150	<0.5	<2	0.84	<0.5	17	54	52	3.27
CC104099		0.32	0.008	0.2	2.26	9	<10	180	<0.5	<2	0.82	<0.5	22	84	84	3.93
CC104100		0.28	0.006	<0.2	1.36	13	<10	240	<0.5	<2	1.00	<0.5	27	33	51	2.94
CC104138		0.34	0.009	<0.2	2.30	10	<10	110	<0.5	<2	0.48	<0.5	21	64	70	4.09

***** See Appendix Page for comments regarding this certificate *****

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC104062		10	<1	0.08	10	1.31	668	1	0.04	45	880	6	0.09	2	7	50
CC104063		10	<1	0.05	10	2.46	863	<1	0.03	64	380	2	0.04	3	8	30
CC104064		10	<1	0.10	10	1.18	898	3	0.03	51	1020	9	0.11	2	5	48
CC104065		10	<1	0.07	10	1.61	581	<1	0.03	53	900	5	0.09	<2	9	66
CC104066		10	<1	0.08	10	2.55	1425	<1	0.03	63	690	9	0.07	2	21	34
CC104067		10	<1	0.09	10	1.69	874	1	0.04	64	910	8	0.09	<2	10	49
CC104068		<10	<1	0.05	10	1.99	1275	<1	0.02	64	440	5	0.03	4	25	29
CC104069		10	<1	0.07	10	2.44	1070	<1	0.03	78	980	6	0.09	<2	15	30
CC104070		<10	<1	0.06	<10	1.79	2620	12	0.03	231	820	10	0.20	4	17	131
CC104071		10	<1	0.08	10	2.22	900	1	0.03	122	920	5	0.10	4	13	48
CC104072		10	<1	0.10	10	1.90	906	<1	0.03	58	840	6	0.08	4	8	35
CC104073		10	<1	0.06	10	2.27	955	1	0.03	61	760	6	0.08	<2	7	40
CC104074		10	<1	0.07	10	1.82	938	<1	0.03	65	740	12	0.07	<2	11	35
CC104075		10	<1	0.09	10	1.72	1020	1	0.03	65	800	8	0.09	<2	10	38
CC104076		10	<1	0.12	10	1.41	1020	2	0.03	55	980	11	0.12	2	8	65
CC104077		10	<1	0.13	10	1.13	712	4	0.03	46	1010	9	0.13	2	5	53
CC104078		10	<1	0.09	10	1.01	602	3	0.04	43	900	7	0.12	<2	3	48
CC104079		10	<1	0.09	10	1.30	895	2	0.03	54	1190	10	0.10	4	5	44
CC104080		10	<1	0.14	10	0.94	753	3	0.03	42	1130	10	0.12	5	4	54
CC104081		10	<1	0.08	10	1.46	747	2	0.03	48	930	7	0.10	<2	5	38
CC104082		10	1	0.11	10	1.82	1015	2	0.03	62	800	7	0.07	<2	10	57
CC104083		<10	<1	0.09	10	0.83	652	3	0.03	36	770	9	0.10	3	4	45
CC104084		10	<1	0.18	10	1.47	897	2	0.03	56	860	8	0.10	<2	8	50
CC104085		10	<1	0.14	10	1.31	873	2	0.04	61	920	11	0.12	3	7	63
CC104086		10	<1	0.12	10	1.08	867	3	0.02	49	1040	14	0.11	4	5	54
CC104087		10	<1	0.10	10	1.28	1005	2	0.03	56	1060	15	0.10	3	7	55
CC104088		10	<1	0.09	10	1.53	884	1	0.03	61	1110	10	0.13	3	6	48
CC104089		10	<1	0.08	10	1.16	568	1	0.04	59	490	8	0.05	<2	6	39
CC104090		10	<1	0.09	10	1.21	972	<1	0.03	79	800	6	0.06	3	9	45
CC104091		<10	<1	0.04	10	0.77	518	2	0.04	61	630	9	0.05	<2	6	36
CC104092		10	<1	0.07	10	0.91	848	2	0.04	100	890	5	0.08	<2	5	52
CC104093		10	<1	0.08	10	1.46	797	1	0.04	89	760	4	0.04	<2	8	48
CC104094		10	<1	0.08	20	1.20	474	1	0.04	78	890	5	0.07	<2	7	54
CC104095		10	<1	0.08	10	0.72	321	4	0.03	36	500	7	0.04	<2	4	34
CC104096		10	<1	0.19	10	1.62	628	16	0.06	74	770	4	0.07	<2	9	46
CC104097		10	<1	0.07	10	0.64	324	5	0.03	27	630	3	0.03	<2	4	31
CC104098		10	<1	0.07	10	0.98	666	1	0.03	59	910	3	0.05	<2	5	46
CC104099		10	<1	0.07	10	1.55	1000	<1	0.04	117	850	2	0.03	<2	9	47
CC104100		<10	<1	0.05	10	0.54	1815	3	0.04	35	1380	4	0.12	<2	3	60
CC104138		10	<1	0.06	10	1.39	742	1	0.03	48	720	2	0.06	<2	7	30

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC104062		<20	0.11	<10	<10	96	<10	79
CC104063		<20	0.17	<10	<10	108	<10	70
CC104064		<20	0.08	<10	<10	95	<10	123
CC104065		<20	0.11	<10	<10	103	<10	74
CC104066		<20	0.17	<10	<10	139	<10	91
CC104067		<20	0.10	<10	<10	104	<10	96
CC104068		<20	0.15	<10	<10	136	<10	82
CC104069		<20	0.14	<10	<10	150	<10	100
CC104070		<20	0.14	<10	<10	163	<10	221
CC104071		<20	0.11	<10	<10	131	<10	106
CC104072		<20	0.16	<10	<10	120	<10	87
CC104073		<20	0.10	<10	<10	105	<10	87
CC104074		<20	0.12	<10	<10	119	<10	101
CC104075		<20	0.12	<10	<10	119	<10	104
CC104076		<20	0.08	<10	<10	93	<10	96
CC104077		<20	0.08	<10	<10	91	<10	98
CC104078		<20	0.08	<10	<10	85	<10	99
CC104079		<20	0.07	<10	<10	95	<10	102
CC104080		<20	0.06	<10	<10	80	<10	123
CC104081		<20	0.09	<10	<10	101	<10	97
CC104082		<20	0.11	<10	<10	117	<10	98
CC104083		<20	0.06	<10	<10	67	<10	87
CC104084		<20	0.11	<10	<10	102	<10	101
CC104085		<20	0.09	<10	<10	97	<10	107
CC104086		<20	0.07	<10	<10	89	<10	118
CC104087		<20	0.07	<10	<10	104	<10	115
CC104088		<20	0.07	<10	<10	95	<10	105
CC104089		<20	0.11	<10	<10	93	<10	79
CC104090		<20	0.12	<10	<10	95	<10	94
CC104091		<20	0.08	<10	<10	59	<10	57
CC104092		<20	0.09	<10	<10	69	<10	117
CC104093		<20	0.12	<10	<10	88	<10	85
CC104094		<20	0.09	<10	<10	87	<10	95
CC104095		<20	0.09	<10	<10	82	<10	77
CC104096		<20	0.13	<10	<10	104	<10	79
CC104097		<20	0.10	<10	<10	86	<10	50
CC104098		<20	0.10	<10	<10	76	<10	84
CC104099		<20	0.14	<10	<10	87	<10	75
CC104100		<20	0.05	<10	<10	57	<10	57
CC104138		<20	0.12	<10	<10	103	<10	69

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **STRATEGIC METALS LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC104139		0.28	0.013	0.2	2.40	19	<10	110	0.5	<2	0.49	<0.5	12	57	62	3.66
CC104140		0.32	0.006	0.2	2.18	19	<10	180	0.5	<2	0.72	<0.5	21	60	77	4.19
CC104141		0.34	0.010	0.3	2.62	10	<10	130	0.5	<2	0.75	<0.5	19	76	102	4.20
CC104142		0.20	0.005	0.3	3.12	18	<10	160	0.6	<2	0.79	<0.5	29	68	59	4.72
CC104143		0.26	0.013	<0.2	3.69	11	<10	90	0.5	<2	0.91	<0.5	39	105	89	5.78
CC104144		0.32	0.007	0.3	3.24	14	<10	130	0.5	<2	1.03	<0.5	33	85	117	5.50
CC104145		0.24	0.007	0.4	2.54	14	<10	150	0.5	<2	0.66	<0.5	33	95	149	5.10
CC104146		0.20	<0.005	<0.2	3.03	9	<10	230	0.5	<2	0.74	<0.5	42	108	119	5.84
CC104147		0.24	0.006	0.5	2.29	12	<10	210	<0.5	<2	0.69	<0.5	22	80	87	4.36
CC104148		0.26	0.010	1.4	4.47	29	<10	570	<0.5	<2	1.08	1.1	40	151	171	5.83
CC104149		0.26	0.007	0.3	2.46	18	<10	210	0.5	<2	0.75	<0.5	28	74	84	4.87
CC104150		0.30	0.006	<0.2	2.89	15	<10	190	0.5	<2	0.69	<0.5	31	93	99	5.30
CC104151		0.26	0.017	0.3	3.24	14	<10	130	0.5	<2	1.11	0.5	40	121	238	5.74
CC104152		0.28	0.019	0.3	3.35	18	<10	170	0.6	<2	1.16	<0.5	38	119	154	6.16
CC104153		0.32	0.015	0.3	2.93	24	<10	130	0.6	<2	0.93	<0.5	29	94	127	5.68
CC104154		0.26	0.010	0.2	2.88	14	<10	190	0.5	<2	0.78	<0.5	30	82	90	5.09
CC104155		0.26	0.011	0.3	2.52	11	<10	120	0.5	<2	0.76	<0.5	27	69	100	4.73
CC104156		0.30	0.008	<0.2	2.82	15	<10	130	0.5	<2	0.57	<0.5	27	82	86	4.71
CC104157		0.30	0.008	0.3	2.57	14	<10	200	0.5	<2	0.61	<0.5	17	49	60	4.00
CC104158		0.26	0.009	<0.2	2.64	15	<10	130	0.5	<2	0.89	<0.5	27	89	83	4.87
CC104159		0.24	<0.005	0.2	2.50	22	<10	180	0.6	<2	0.75	<0.5	25	63	75	4.94
CC104160		0.26	0.005	0.3	2.24	14	<10	170	0.5	<2	0.78	<0.5	38	76	104	4.65
CC104161		0.22	<0.005	0.2	2.53	18	<10	190	0.6	<2	0.78	<0.5	28	71	104	4.63
CC104162		0.28	0.007	0.2	3.42	8	<10	110	<0.5	<2	1.18	<0.5	44	167	167	6.14
CC104163		0.26	0.008	0.2	3.23	9	<10	140	<0.5	<2	0.84	<0.5	45	126	153	5.95
CC104164		0.28	<0.005	<0.2	2.84	9	<10	210	<0.5	<2	1.01	<0.5	37	109	162	5.34
CC104165		0.30	0.007	0.7	2.54	10	<10	160	<0.5	2	0.87	<0.5	26	96	115	4.76
CC104166		0.30	0.035	1.8	2.97	52	<10	1520	<0.5	<2	1.41	3.8	36	97	183	5.65
CC104167		0.30	0.020	0.4	3.49	20	<10	1670	<0.5	<2	0.96	6.1	35	132	140	4.62
CC104168		0.28	<0.005	<0.2	2.84	16	<10	240	<0.5	<2	1.14	<0.5	36	151	211	5.23
CC104169		0.22	0.011	<0.2	2.02	8	<10	270	<0.5	<2	0.91	<0.5	24	71	98	3.76
CC104170		0.34	0.006	<0.2	2.05	11	<10	140	<0.5	2	0.71	<0.5	22	68	65	3.99
CC104171		0.40	0.012	<0.2	2.18	8	<10	130	<0.5	<2	0.67	<0.5	17	73	57	3.69
CC104172		0.30	0.009	<0.2	1.78	11	<10	130	<0.5	<2	1.07	<0.5	14	60	77	3.20
CC104173		0.38	0.009	<0.2	2.33	10	<10	140	<0.5	2	0.74	<0.5	19	80	86	4.16
CC104174		0.26	0.011	<0.2	2.08	9	<10	120	<0.5	<2	0.92	<0.5	18	76	84	3.82
CC104175		0.38	0.019	<0.2	2.34	10	<10	130	<0.5	<2	0.83	<0.5	20	82	76	3.95
CC104176		0.36	0.009	<0.2	2.35	11	<10	130	<0.5	<2	0.73	<0.5	20	89	61	4.21
CC104177		0.46	0.011	<0.2	2.53	10	<10	150	<0.5	<2	0.69	<0.5	20	79	78	4.03
CC104178		0.40	0.013	<0.2	2.73	8	<10	140	<0.5	<2	0.69	<0.5	21	97	79	4.25

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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ALS Minerals

To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC104139		10	<1	0.05	10	1.07	369	1	0.03	38	1070	4	0.13	<2	6	36
CC104140		10	<1	0.07	10	1.14	736	3	0.04	50	1160	5	0.13	<2	7	47
CC104141		10	<1	0.06	10	1.45	549	1	0.03	53	690	2	0.03	<2	15	35
CC104142		10	<1	0.09	10	1.77	1085	2	0.03	87	860	4	0.10	<2	8	51
CC104143		10	<1	0.07	10	2.98	1300	1	0.03	113	860	<2	0.07	<2	16	41
CC104144		10	<1	0.06	10	2.05	1200	2	0.03	80	1090	<2	0.09	<2	13	36
CC104145		10	<1	0.11	10	1.66	1005	2	0.03	67	780	3	0.08	<2	9	36
CC104146		10	<1	0.14	10	2.32	1240	1	0.03	80	570	<2	0.06	<2	10	35
CC104147		10	<1	0.05	10	1.50	723	3	0.04	58	1060	<2	0.10	<2	5	32
CC104148		10	<1	0.09	10	3.08	1010	4	0.05	208	990	3	0.06	<2	9	85
CC104149		10	<1	0.09	10	1.50	1025	3	0.03	60	1030	4	0.10	<2	6	42
CC104150		10	<1	0.09	10	1.93	1010	2	0.03	71	780	3	0.08	<2	8	38
CC104151		10	<1	0.09	10	2.58	1180	1	0.03	86	910	<2	0.08	<2	16	38
CC104152		10	1	0.08	10	2.18	1355	2	0.03	86	870	<2	0.08	<2	30	31
CC104153		10	<1	0.08	10	1.64	1030	3	0.03	74	1010	3	0.08	<2	18	30
CC104154		10	<1	0.09	10	1.51	1160	2	0.04	65	780	3	0.08	<2	14	54
CC104155		10	<1	0.10	10	1.67	1195	1	0.03	58	700	<2	0.08	<2	13	41
CC104156		10	<1	0.08	10	1.89	1000	2	0.03	62	890	3	0.09	<2	9	42
CC104157		10	<1	0.06	10	1.05	739	1	0.04	52	520	3	0.05	<2	7	43
CC104158		10	<1	0.08	10	2.01	1065	2	0.03	64	920	<2	0.08	<2	11	41
CC104159		10	1	0.08	10	1.46	994	3	0.03	54	1100	6	0.09	<2	5	45
CC104160		10	<1	0.09	10	1.44	1090	3	0.03	72	780	2	0.09	<2	10	37
CC104161		10	1	0.09	10	1.31	1135	2	0.04	62	920	5	0.10	<2	9	44
CC104162		10	<1	0.17	10	3.20	1345	<1	0.03	113	590	<2	0.07	<2	19	29
CC104163		10	<1	0.17	10	2.97	1195	1	0.03	93	570	<2	0.06	<2	14	32
CC104164		10	<1	0.20	10	2.76	894	1	0.02	82	510	5	0.06	<2	10	25
CC104165		10	<1	0.08	10	2.12	692	3	0.02	74	760	5	0.06	<2	9	22
CC104166		10	<1	0.10	20	1.29	869	15	0.05	140	1270	57	0.14	<2	7	81
CC104167		10	<1	0.20	10	2.17	913	24	0.06	105	830	6	0.10	2	8	142
CC104168		10	1	0.08	10	2.50	855	4	0.02	100	540	5	0.10	<2	12	31
CC104169		10	1	0.07	10	1.07	2500	3	0.04	93	1000	5	0.09	<2	7	44
CC104170		10	<1	0.09	10	1.17	1050	2	0.03	62	830	5	0.05	<2	7	39
CC104171		10	<1	0.09	10	1.33	642	2	0.03	64	620	4	0.03	<2	8	36
CC104172		<10	<1	0.09	10	0.97	500	1	0.03	65	670	2	0.08	<2	5	48
CC104173		10	<1	0.11	10	1.35	632	2	0.03	69	520	4	0.05	<2	8	41
CC104174		10	<1	0.13	10	1.28	569	1	0.04	74	580	2	0.06	<2	7	41
CC104175		10	<1	0.11	10	1.31	617	1	0.05	62	690	4	0.04	<2	9	41
CC104176		10	<1	0.08	10	1.41	665	1	0.04	68	400	5	0.05	<2	8	37
CC104177		10	<1	0.08	10	1.37	544	1	0.03	65	750	7	0.05	<2	8	41
CC104178		10	<1	0.10	10	1.70	567	1	0.04	92	700	3	0.04	<2	9	39

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: STRATEGIC METALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC104139		<20	0.07	<10	<10	82	<10	55
CC104140		<20	0.08	<10	<10	89	<10	101
CC104141		<20	0.12	<10	<10	109	<10	78
CC104142		<20	0.09	<10	<10	114	<10	107
CC104143		<20	0.09	<10	<10	157	<10	92
CC104144		<20	0.09	<10	<10	139	<10	93
CC104145		<20	0.10	<10	<10	113	<10	103
CC104146		<20	0.13	<10	<10	128	<10	99
CC104147		<20	0.07	<10	<10	103	<10	97
CC104148		<20	0.07	<10	<10	103	<10	195
CC104149		<20	0.08	<10	<10	105	<10	111
CC104150		<20	0.11	<10	<10	117	<10	110
CC104151		<20	0.11	<10	<10	149	<10	110
CC104152		<20	0.05	<10	<10	173	<10	94
CC104153		<20	0.05	<10	<10	156	<10	108
CC104154		<20	0.11	<10	<10	126	<10	96
CC104155		<20	0.11	<10	<10	127	<10	82
CC104156		<20	0.11	<10	<10	106	<10	98
CC104157		<20	0.14	<10	<10	93	<10	81
CC104158		<20	0.11	<10	<10	136	<10	91
CC104159		<20	0.08	<10	<10	107	<10	118
CC104160		<20	0.09	<10	<10	112	<10	102
CC104161		<20	0.10	<10	<10	105	<10	97
CC104162		<20	0.13	<10	<10	159	<10	90
CC104163		<20	0.15	<10	<10	151	<10	97
CC104164		<20	0.13	<10	<10	115	<10	91
CC104165		<20	0.10	<10	<10	115	<10	120
CC104166		<20	0.02	<10	<10	85	<10	543
CC104167		<20	0.08	<10	<10	121	<10	267
CC104168		<20	0.09	<10	<10	121	<10	109
CC104169		<20	0.09	<10	<10	79	<10	87
CC104170		<20	0.11	<10	<10	85	<10	81
CC104171		<20	0.13	<10	<10	86	<10	78
CC104172		<20	0.08	<10	<10	68	<10	99
CC104173		<20	0.11	<10	<10	92	<10	86
CC104174		<20	0.10	<10	<10	83	<10	91
CC104175		<20	0.11	<10	<10	91	<10	90
CC104176		<20	0.12	<10	<10	96	<10	81
CC104177		<20	0.10	<10	<10	88	<10	88
CC104178		<20	0.11	<10	<10	91	<10	90

***** See Appendix Page for comments regarding this certificate *****

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To: STRATEGIC METALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC104179		0.38	0.015	<0.2	2.50	13	<10	130	<0.5	<2	0.70	<0.5	19	86	62	4.09
CC104180		0.28	0.010	<0.2	2.37	20	<10	130	0.5	2	0.69	<0.5	15	66	63	4.22
CC104181		0.42	0.013	<0.2	2.19	15	<10	120	<0.5	<2	0.69	<0.5	18	95	60	4.27
CC104182		0.28	0.016	<0.2	2.25	10	<10	140	<0.5	<2	0.90	<0.5	18	74	89	3.48
CC104183		0.36	0.011	<0.2	1.95	10	<10	100	<0.5	<2	0.97	<0.5	18	99	165	3.57
CC104184		0.34	0.013	<0.2	2.09	11	<10	150	<0.5	<2	0.88	<0.5	17	77	71	3.84
CC104185		0.36	0.011	<0.2	2.31	9	<10	150	<0.5	<2	0.80	<0.5	21	81	99	4.22
CC104186		0.54	0.015	<0.2	2.41	12	<10	140	<0.5	2	0.90	<0.5	19	80	124	4.05
CC104187		0.30	0.014	<0.2	1.84	10	<10	140	<0.5	<2	0.79	<0.5	15	59	77	3.50
CC104188		0.48	0.007	<0.2	2.14	11	<10	120	<0.5	<2	0.74	<0.5	19	64	52	3.90
CC104189		0.38	0.008	<0.2	2.24	10	<10	120	<0.5	<2	0.86	<0.5	15	65	41	3.68
CC104190		0.28	0.007	0.2	2.33	11	<10	130	<0.5	<2	0.82	<0.5	19	126	84	3.84
CC104191		0.32	0.014	0.2	2.22	14	<10	160	<0.5	<2	0.73	<0.5	22	99	79	4.03
CC104192		0.32	0.008	<0.2	2.33	12	<10	150	0.5	<2	0.70	<0.5	20	87	49	4.09
CC104193		0.42	0.080	0.6	3.40	8	<10	140	<0.5	<2	1.11	<0.5	25	123	201	4.04
CC104194		0.42	0.015	<0.2	2.18	13	<10	150	<0.5	<2	0.76	<0.5	18	133	72	3.81
CC104195		0.34	0.020	<0.2	2.28	8	<10	140	<0.5	<2	0.56	<0.5	25	87	66	3.60
CC104196		0.30	0.008	<0.2	2.13	8	<10	140	<0.5	<2	0.66	<0.5	23	78	54	3.75
CC104197		0.44	0.009	<0.2	2.44	7	<10	140	<0.5	<2	0.55	<0.5	21	157	73	3.49
CC104198		0.32	0.016	0.2	2.25	8	<10	120	<0.5	<2	0.76	<0.5	17	112	79	3.49
CC104199		0.28	0.009	0.2	2.20	10	<10	180	<0.5	<2	0.85	<0.5	18	145	74	3.54
CC104200		0.38	0.017	0.3	2.43	11	<10	230	0.5	<2	0.80	0.7	18	171	150	3.27
CC104201		0.22	<0.005	<0.2	1.33	10	<10	170	<0.5	<2	0.90	<0.5	16	33	53	3.04
CC104202		0.40	0.006	<0.2	2.10	10	<10	170	<0.5	<2	0.96	<0.5	20	66	63	4.04
CC104203		0.28	<0.005	<0.2	1.15	9	<10	190	<0.5	<2	1.39	0.5	12	25	83	2.12
CC104204		0.26	0.008	0.3	1.30	11	<10	170	<0.5	<2	0.77	<0.5	14	33	53	2.76
CC104205		0.38	0.028	0.2	2.54	12	<10	220	0.5	<2	0.64	<0.5	20	84	107	4.51
CC104206		0.28	<0.005	<0.2	2.20	8	<10	170	<0.5	<2	0.85	<0.5	18	63	55	3.73
CC104207		0.32	0.005	0.2	1.99	13	<10	340	0.5	<2	0.68	<0.5	19	62	64	3.82
CC104208		0.38	NSS	0.4	2.41	14	<10	230	<0.5	<2	0.79	<0.5	24	97	364	4.61
CC104209		0.32	0.005	<0.2	1.68	19	<10	160	<0.5	<2	1.33	<0.5	16	48	74	3.31
CC104210		0.38	0.006	0.3	1.81	23	<10	190	<0.5	<2	1.09	<0.5	16	42	78	3.50
CC104211		0.28	<0.005	0.2	1.38	15	<10	250	<0.5	<2	0.85	<0.5	14	28	69	3.11
CC104212		0.40	<0.005	0.2	2.77	18	<10	190	0.5	<2	1.18	<0.5	25	89	96	5.01
CC104213		0.34	0.005	0.5	2.16	22	<10	190	0.5	<2	1.19	<0.5	19	64	110	4.06
CC104214		0.44	0.034	0.3	2.45	30	<10	180	0.5	<2	0.88	<0.5	21	72	107	4.41
CC104215		0.24	0.041	0.2	2.05	15	<10	200	<0.5	<2	1.18	<0.5	14	62	102	3.46
CC104216		0.28	0.015	0.3	1.78	10	<10	230	<0.5	<2	1.21	0.6	15	46	134	3.49
CC104217		0.26	0.014	0.3	2.14	12	<10	270	<0.5	<2	1.02	<0.5	24	70	147	4.53
CC104218		0.34	0.008	0.2	1.56	12	<10	250	<0.5	<2	1.03	0.6	16	38	83	3.00

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ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
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Finalized Date: 8- SEP- 2010
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CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC104179		10	1	0.08	10	1.28	605	1	0.03	69	680	6	0.06	<2	7	44
CC104180		10	1	0.07	10	1.12	401	2	0.03	50	1010	7	0.07	<2	6	43
CC104181		10	1	0.10	10	1.31	325	1	0.03	66	480	4	0.03	<2	8	31
CC104182		10	<1	0.10	10	1.13	541	2	0.03	57	730	4	0.06	<2	7	44
CC104183		10	<1	0.11	10	0.99	437	2	0.03	67	720	5	0.08	<2	6	49
CC104184		10	1	0.13	10	1.27	565	2	0.04	73	570	5	0.06	<2	7	40
CC104185		10	1	0.13	10	1.46	692	2	0.04	81	560	4	0.06	<2	9	40
CC104186		10	<1	0.11	10	1.37	520	1	0.04	79	670	5	0.07	<2	8	43
CC104187		<10	<1	0.10	10	1.10	595	1	0.03	63	550	4	0.06	<2	8	38
CC104188		10	<1	0.09	10	1.16	708	3	0.03	58	850	3	0.04	<2	7	38
CC104189		10	<1	0.11	10	1.31	460	2	0.03	60	780	4	0.04	<2	7	37
CC104190		10	<1	0.10	10	1.39	526	3	0.05	96	470	4	0.05	3	6	37
CC104191		10	<1	0.14	10	1.37	548	3	0.04	115	840	6	0.04	4	8	40
CC104192		10	<1	0.11	10	1.33	427	2	0.04	71	600	6	0.04	2	8	38
CC104193		10	1	0.13	10	1.67	444	2	0.15	103	470	2	0.03	3	8	61
CC104194		10	<1	0.11	10	1.14	305	2	0.04	72	610	6	0.06	2	8	38
CC104195		10	<1	0.09	10	1.44	600	1	0.04	87	310	5	0.03	2	8	32
CC104196		10	<1	0.11	10	1.15	822	2	0.04	75	850	4	0.04	2	8	34
CC104197		10	<1	0.18	10	1.40	427	1	0.04	87	520	5	0.03	2	9	32
CC104198		10	<1	0.17	10	1.42	420	1	0.03	102	570	8	0.06	2	8	36
CC104199		10	1	0.17	10	1.47	1435	2	0.04	110	610	7	0.06	<2	8	34
CC104200		10	<1	0.22	10	1.65	359	<1	0.03	138	420	14	0.07	<2	10	43
CC104201		10	1	0.05	10	0.60	907	<1	0.02	43	1000	6	0.09	<2	3	47
CC104202		10	2	0.07	10	1.23	679	<1	0.02	61	730	7	0.07	<2	7	47
CC104203		<10	1	0.05	10	0.45	927	1	0.02	38	940	6	0.13	<2	3	53
CC104204		<10	1	0.06	10	0.67	551	1	0.02	30	810	4	0.08	<2	3	37
CC104205		<10	1	0.07	10	1.51	464	2	0.02	84	690	7	0.03	<2	10	38
CC104206		10	1	0.07	10	1.21	610	<1	0.02	62	740	5	0.05	<2	8	44
CC104207		10	1	0.09	10	1.10	440	<1	0.01	60	660	6	0.05	<2	8	39
CC104208		10	1	0.24	10	1.77	578	14	0.04	69	790	15	0.08	<2	9	41
CC104209		10	<1	0.15	10	0.95	641	<1	0.02	45	670	8	0.08	<2	6	48
CC104210		<10	<1	0.18	10	0.88	604	<1	0.02	39	760	6	0.08	<2	6	43
CC104211		10	1	0.11	10	0.57	548	<1	0.03	28	840	7	0.08	<2	4	42
CC104212		10	<1	0.18	10	1.90	924	<1	0.03	84	810	10	0.03	<2	10	50
CC104213		<10	1	0.21	10	1.12	1160	1	0.04	52	800	10	0.09	<2	6	55
CC104214		<10	1	0.18	10	1.38	649	1	0.03	67	660	7	0.07	<2	8	48
CC104215		<10	<1	0.18	10	1.24	333	<1	0.04	50	660	5	0.15	<2	6	57
CC104216		10	1	0.10	10	0.88	453	3	0.03	45	1050	5	0.17	<2	4	48
CC104217		10	1	0.08	10	1.36	666	4	0.03	57	810	2	0.10	<2	6	41
CC104218		<10	1	0.06	10	0.66	504	3	0.03	36	880	4	0.10	<2	4	48

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Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC104179		<20	0.09	<10	<10	86	<10	88
CC104180		<20	0.08	<10	<10	85	<10	85
CC104181		<20	0.12	<10	<10	96	<10	72
CC104182		<20	0.09	<10	<10	80	<10	86
CC104183		<20	0.09	<10	<10	84	<10	83
CC104184		<20	0.11	<10	<10	85	<10	82
CC104185		<20	0.12	<10	<10	88	<10	85
CC104186		<20	0.11	<10	<10	90	<10	81
CC104187		<20	0.10	<10	<10	71	<10	82
CC104188		<20	0.13	<10	<10	87	<10	94
CC104189		<20	0.13	<10	<10	88	<10	92
CC104190		<20	0.11	<10	<10	85	<10	83
CC104191		<20	0.11	<10	<10	84	<10	97
CC104192		<20	0.12	<10	<10	90	<10	99
CC104193		<20	0.12	<10	<10	89	<10	70
CC104194		<20	0.11	<10	<10	85	<10	93
CC104195		<20	0.13	<10	<10	86	<10	81
CC104196		<20	0.12	<10	<10	86	<10	93
CC104197		<20	0.15	<10	<10	84	<10	102
CC104198		<20	0.11	<10	<10	76	<10	114
CC104199		<20	0.11	<10	<10	77	<10	112
CC104200		<20	0.13	<10	<10	95	<10	135
CC104201		<20	0.08	<10	<10	65	<10	70
CC104202		<20	0.11	<10	<10	88	<10	90
CC104203		<20	0.05	<10	<10	39	<10	70
CC104204		<20	0.05	<10	<10	57	<10	75
CC104205		<20	0.12	<10	<10	102	<10	95
CC104206		<20	0.12	<10	<10	80	<10	96
CC104207		<20	0.12	<10	<10	89	<10	106
CC104208		<20	0.13	<10	<10	102	<10	71
CC104209		<20	0.09	<10	<10	68	<10	78
CC104210		<20	0.10	<10	<10	67	<10	78
CC104211		<20	0.08	<10	<10	60	<10	76
CC104212		<20	0.13	<10	<10	103	<10	115
CC104213		<20	0.09	<10	<10	79	<10	99
CC104214		<20	0.10	<10	<10	84	<10	93
CC104215		<20	0.09	<10	<10	68	<10	86
CC104216		<20	0.06	<10	<10	61	<10	107
CC104217		<20	0.08	<10	<10	104	<10	98
CC104218		<20	0.05	<10	<10	62	<10	76

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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC104219		0.36	0.016	0.3	2.34	12	<10	230	0.5	<2	0.79	<0.5	16	51	101	3.57
CC104220		0.30	0.018	0.5	2.50	22	<10	200	0.7	<2	0.80	<0.5	24	62	139	5.00
CC104221		0.20	0.013	0.2	2.01	13	<10	140	0.5	<2	1.47	<0.5	18	62	119	3.76
CC104222		0.36	0.046	0.6	2.65	22	<10	190	0.5	<2	0.82	<0.5	24	79	203	5.13
CC104223		0.40	0.014	0.2	2.29	20	<10	200	0.5	<2	0.65	<0.5	22	56	105	4.26
CC104224		0.28	0.017	0.3	2.43	15	<10	220	0.5	<2	0.91	<0.5	22	87	129	4.45
CC104225		0.36	0.016	0.2	2.35	10	<10	210	<0.5	<2	1.29	<0.5	18	79	203	4.09
CC104226		0.32	0.030	0.4	2.15	10	<10	180	<0.5	<2	1.10	<0.5	19	75	287	3.89
CC104227		0.48	0.020	0.2	2.34	9	<10	190	0.5	<2	1.05	<0.5	20	62	160	3.98
CC104228		0.34	0.071	0.5	2.71	14	<10	180	<0.5	<2	1.65	<0.5	27	137	335	4.51
CC104229		0.28	0.040	0.3	1.78	11	<10	170	<0.5	<2	1.36	<0.5	15	60	243	3.53
CC104230		0.32	0.013	0.5	2.40	11	<10	240	0.5	<2	0.78	<0.5	18	78	418	4.38
CC104231		0.32	0.013	<0.2	2.35	12	<10	250	<0.5	<2	1.05	<0.5	19	74	127	4.29
CC104232		0.22	0.217	0.7	2.33	24	<10	140	0.5	<2	1.27	0.7	26	76	385	5.93
CC104233		0.56	0.008	0.4	2.59	17	<10	200	<0.5	<2	1.00	<0.5	25	92	108	4.57
CC104234		0.22	0.021	0.2	1.82	17	<10	180	0.5	<2	1.09	<0.5	19	58	75	3.54
CC104235		0.20	0.011	0.3	1.24	24	<10	200	<0.5	<2	1.54	0.6	16	39	76	2.82
CC104236		0.32	<0.005	0.5	2.19	23	<10	180	0.7	<2	1.27	1.1	21	58	121	3.87
CC104237		0.40	0.009	0.2	2.72	19	<10	210	0.5	<2	0.78	<0.5	22	89	100	4.41
CC104238		0.36	0.023	0.4	2.30	22	<10	160	<0.5	<2	1.28	<0.5	20	73	145	3.90
CC104239		0.34	0.046	0.6	1.86	10	<10	140	0.5	<2	0.52	<0.5	16	48	1375	3.44
CC104240		0.36	0.025	0.3	2.60	14	<10	210	0.5	2	0.56	<0.5	22	72	796	4.32
CC104241		0.28	0.010	0.4	1.86	14	<10	180	0.5	<2	0.80	<0.5	18	55	156	3.46
CC104242		0.26	0.131	1.3	2.15	13	<10	160	0.6	<2	1.14	<0.5	25	57	1370	4.79
CC104243		0.26	0.047	0.5	2.91	6	<10	350	<0.5	<2	0.79	<0.5	31	52	525	5.09
CC104244		0.26	0.055	0.4	2.89	8	<10	310	<0.5	<2	0.63	<0.5	27	62	535	4.43
CC104245		0.32	0.035	<0.2	1.35	7	<10	160	<0.5	<2	0.43	<0.5	14	28	604	3.07
CC104246		0.30	0.068	0.4	2.17	6	<10	190	<0.5	<2	0.61	<0.5	15	92	844	4.03
CC104247		0.24	0.128	0.4	2.25	6	<10	540	0.6	<2	0.44	<0.5	22	89	540	5.82
CC104248		0.24	0.039	0.3	2.65	7	<10	680	0.5	<2	0.60	<0.5	22	109	305	4.73
CC104249		0.34	0.207	0.2	2.95	15	<10	150	<0.5	<2	0.75	<0.5	28	141	114	4.42
CC104250		0.34	0.033	<0.2	2.30	5	<10	110	<0.5	<2	0.65	<0.5	26	84	152	3.94
CC104251		0.32	0.029	0.3	2.55	13	<10	240	0.5	<2	0.84	<0.5	16	79	79	3.73
CC104252		0.32	0.018	0.4	2.16	11	<10	160	0.5	<2	1.18	0.5	15	61	83	3.37
CC104253		0.32	0.010	0.4	2.21	13	<10	130	<0.5	<2	0.96	<0.5	36	153	126	3.85
CC104254		0.36	0.013	0.3	2.42	9	<10	150	0.5	2	1.06	<0.5	14	67	84	3.22
CC104255		0.34	0.021	0.2	2.66	16	<10	170	0.5	2	0.91	<0.5	22	76	79	4.12
CC104256		0.42	0.020	0.3	2.70	15	<10	160	0.5	<2	0.91	<0.5	23	75	78	4.27
CC104257		0.34	0.018	0.7	2.68	15	<10	140	0.6	2	1.16	<0.5	20	65	134	4.17
CC104258		0.30	0.012	0.4	2.64	16	<10	140	0.7	3	1.21	<0.5	20	55	104	4.28

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **STRATEGIC METALS LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC104219		<10	1	0.18	10	1.04	442	<1	0.02	41	740	5	0.08	<2	6	50
CC104220		10	1	0.31	10	1.27	723	2	0.04	63	750	8	0.12	<2	9	51
CC104221		<10	<1	0.24	10	1.07	607	2	0.02	54	890	7	0.11	<2	5	59
CC104222		10	1	0.31	10	1.51	757	1	0.04	76	770	16	0.09	<2	8	48
CC104223		10	1	0.21	10	1.09	619	<1	0.03	52	690	5	0.09	<2	5	45
CC104224		10	1	0.09	10	1.56	692	1	0.03	97	730	8	0.08	<2	8	44
CC104225		10	1	0.16	10	1.42	598	5	0.04	71	740	7	0.12	<2	7	49
CC104226		10	1	0.16	10	1.28	625	10	0.03	66	650	4	0.10	<2	7	47
CC104227		10	1	0.17	10	1.24	682	5	0.03	57	750	8	0.08	<2	7	51
CC104228		10	2	0.23	10	1.62	973	15	0.08	102	590	4	0.07	<2	8	78
CC104229		<10	1	0.14	10	0.94	500	12	0.04	46	690	4	0.10	<2	6	48
CC104230		10	<1	0.11	10	1.33	541	15	0.03	64	810	6	0.08	<2	7	42
CC104231		10	1	0.12	10	1.35	657	3	0.03	63	840	8	0.10	<2	7	48
CC104232		10	<1	0.17	10	1.41	650	6	0.05	91	820	14	0.18	<2	7	45
CC104233		10	1	0.10	10	1.83	785	<1	0.03	119	670	11	0.05	<2	9	52
CC104234		10	1	0.08	10	1.05	558	1	0.03	64	1030	8	0.11	<2	5	55
CC104235		<10	1	0.11	10	0.79	399	5	0.03	37	940	12	0.15	<2	4	53
CC104236		10	<1	0.09	10	1.08	725	4	0.05	74	850	26	0.08	3	6	51
CC104237		10	<1	0.11	10	1.64	686	4	0.04	90	640	12	0.05	3	8	44
CC104238		10	<1	0.13	10	1.43	594	1	0.05	80	700	12	0.09	3	7	51
CC104239		10	<1	0.12	10	0.90	479	35	0.04	45	740	8	0.10	2	5	33
CC104240		10	<1	0.11	10	1.44	718	17	0.03	71	700	8	0.07	3	6	40
CC104241		10	<1	0.10	10	0.79	652	5	0.04	44	640	7	0.09	2	5	44
CC104242		10	<1	0.13	10	0.99	1050	21	0.05	57	710	8	0.11	2	7	73
CC104243		10	<1	0.31	10	1.61	377	67	0.08	85	610	6	0.09	4	6	60
CC104244		10	<1	0.29	10	1.54	415	38	0.06	74	540	5	0.08	<2	6	44
CC104245		<10	<1	0.14	10	0.76	501	27	0.03	34	700	4	0.04	<2	5	23
CC104246		10	<1	0.52	10	1.58	373	47	0.04	52	530	4	0.05	3	10	26
CC104247		10	<1	0.66	10	1.27	383	59	0.08	66	820	7	0.52	<2	11	49
CC104248		10	1	0.37	10	1.63	425	67	0.07	68	810	5	0.16	2	7	37
CC104249		10	<1	0.18	10	2.24	581	<1	0.05	85	530	3	0.08	4	7	46
CC104250		10	<1	0.15	10	1.83	639	5	0.05	62	610	4	0.05	<2	8	47
CC104251		10	<1	0.18	10	1.35	478	1	0.05	63	730	11	0.06	<2	8	43
CC104252		10	<1	0.17	10	1.15	513	<1	0.05	66	760	9	0.10	2	6	55
CC104253		10	<1	0.13	10	2.95	667	<1	0.05	281	690	7	0.09	3	6	42
CC104254		10	<1	0.21	10	1.21	490	<1	0.05	60	640	12	0.09	2	8	45
CC104255		10	<1	0.24	10	1.51	680	<1	0.05	81	640	10	0.06	3	9	43
CC104256		10	<1	0.20	10	1.57	998	<1	0.05	74	770	10	0.06	4	9	49
CC104257		10	<1	0.25	10	1.31	615	1	0.05	66	750	7	0.10	<2	7	52
CC104258		10	<1	0.27	10	1.14	624	1	0.05	60	820	10	0.11	<2	7	61

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: STRATEGIC METALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC104219		<20	0.10	<10	<10	82	<10	88
CC104220		<20	0.11	<10	<10	91	<10	158
CC104221		<20	0.07	<10	<10	75	<10	81
CC104222		<20	0.10	<10	<10	97	<10	88
CC104223		<20	0.09	<10	<10	85	<10	75
CC104224		<20	0.09	<10	<10	87	<10	89
CC104225		<20	0.09	<10	<10	85	<10	90
CC104226		<20	0.09	<10	<10	77	<10	80
CC104227		<20	0.10	<10	<10	83	<10	95
CC104228		<20	0.10	<10	<10	82	<10	80
CC104229		<20	0.10	<10	<10	80	<10	77
CC104230		<20	0.10	<10	<10	91	<10	89
CC104231		<20	0.10	<10	<10	90	<10	102
CC104232		<20	0.08	<10	<10	83	<10	133
CC104233		<20	0.11	<10	<10	90	<10	116
CC104234		<20	0.07	<10	<10	69	<10	79
CC104235		<20	0.06	<10	<10	65	<10	93
CC104236		<20	0.08	<10	<10	99	<10	140
CC104237		<20	0.11	<10	<10	98	<10	113
CC104238		<20	0.09	<10	<10	83	<10	101
CC104239		<20	0.08	<10	<10	66	<10	71
CC104240		<20	0.10	<10	<10	88	<10	93
CC104241		<20	0.09	<10	<10	75	<10	79
CC104242		<20	0.10	<10	<10	87	<10	83
CC104243		<20	0.09	<10	<10	119	<10	57
CC104244		<20	0.12	<10	<10	110	<10	57
CC104245		<20	0.09	<10	<10	58	<10	51
CC104246		<20	0.18	<10	<10	112	<10	54
CC104247		<20	0.13	<10	<10	131	<10	64
CC104248		<20	0.12	<10	<10	154	<10	61
CC104249		<20	0.12	<10	<10	106	<10	69
CC104250		<20	0.15	<10	<10	99	<10	65
CC104251		<20	0.11	<10	<10	89	<10	118
CC104252		<20	0.09	<10	<10	75	<10	185
CC104253		<20	0.08	<10	<10	67	<10	87
CC104254		<20	0.11	<10	<10	79	<10	112
CC104255		<20	0.12	<10	<10	92	<10	109
CC104256		<20	0.13	<10	<10	99	<10	121
CC104257		<20	0.10	<10	<10	90	<10	94
CC104258		<20	0.09	<10	<10	84	<10	116

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC104259	0.32	0.011	0.3	2.89	14	<10	200	0.5	<2	1.08	<0.5	21	78	91	4.10
CC104260	0.24	0.010	0.3	2.48	14	<10	140	0.5	<2	1.23	<0.5	18	67	119	3.97
CC104261	0.48	0.019	0.3	2.99	12	<10	170	0.5	<2	0.88	<0.5	16	72	87	3.97
CC104262	0.40	0.014	0.3	2.52	13	<10	310	0.5	<2	0.83	0.6	18	66	87	4.17
CC104263	0.26	0.009	0.2	2.67	11	<10	550	<0.5	2	0.90	<0.5	17	68	93	3.70
CC104264	0.34	0.008	<0.2	2.52	15	<10	230	0.5	<2	0.82	<0.5	19	81	52	3.87
CC104265	0.30	0.011	0.4	2.74	25	<10	160	0.7	<2	0.85	<0.5	19	68	81	4.13
CC104266	0.34	0.015	0.3	2.59	15	<10	190	0.5	<2	0.65	<0.5	19	100	117	3.85
CC104267	0.28	0.016	0.4	2.68	21	<10	200	0.6	<2	0.81	<0.5	18	68	89	4.25
CC104268	0.42	0.008	0.2	2.64	16	<10	240	0.5	<2	0.75	<0.5	17	58	64	3.80
CC104269	0.32	0.013	0.3	2.56	14	<10	200	0.5	<2	1.21	<0.5	17	63	99	3.83
CC104270	0.34	0.011	0.3	2.54	10	<10	320	0.5	<2	0.97	<0.5	15	74	103	3.84
CC104271	0.30	0.017	0.6	2.31	11	<10	330	0.5	<2	1.16	<0.5	14	54	107	3.04
CC104272	0.30	0.008	0.4	2.17	16	<10	180	0.5	<2	1.48	<0.5	15	55	95	3.43
CC104273	0.32	0.012	0.4	2.32	13	<10	170	<0.5	<2	1.56	<0.5	16	52	89	3.40
CC104274	0.32	<0.005	0.3	1.75	13	<10	160	<0.5	<2	0.79	<0.5	12	39	61	2.93
CC104275	0.22	0.008	0.3	2.12	15	<10	170	0.5	<2	1.19	<0.5	17	66	56	3.90
CC104276	0.24	0.006	0.2	2.10	21	<10	160	0.6	<2	1.40	<0.5	18	54	60	4.12
CC104277	0.48	0.018	0.3	2.76	12	<10	190	<0.5	<2	0.95	<0.5	17	80	217	3.97
CC104278	0.34	0.033	0.2	2.65	14	<10	150	<0.5	<2	0.74	<0.5	22	85	118	4.64
CC104279	0.30	<0.005	0.2	2.52	22	<10	210	0.7	<2	0.49	<0.5	19	55	60	4.62
CC104280	0.28	0.010	0.2	2.24	14	<10	270	0.5	<2	0.53	<0.5	17	52	94	3.74
CC104281	0.26	0.012	0.2	2.19	11	<10	260	0.5	<2	0.59	<0.5	15	54	59	3.84
CC104282	0.34	0.044	0.5	2.34	13	<10	670	0.5	<2	1.10	<0.5	15	63	96	3.63
CC104283	0.32	0.013	0.4	2.42	19	<10	280	0.5	<2	0.95	<0.5	15	66	71	3.98
CC104284	0.34	<0.005	0.2	2.44	14	<10	240	<0.5	<2	1.25	<0.5	14	83	76	3.68
CC104285	0.36	0.007	0.2	2.76	11	<10	190	<0.5	<2	0.88	<0.5	17	76	105	3.79
CC104286	0.36	0.051	0.3	2.82	9	<10	170	<0.5	<2	0.90	<0.5	20	86	252	3.95
CC104287	0.26	0.013	0.3	2.54	17	<10	220	0.5	<2	0.49	<0.5	18	58	87	4.04
CC104288	0.26	0.058	0.4	1.94	9	<10	490	<0.5	<2	0.63	<0.5	13	63	67	3.58
CC104289	0.28	0.029	0.2	2.62	13	<10	530	0.5	<2	0.44	<0.5	19	71	89	4.52
CC104290	0.28	0.275	0.8	2.05	19	<10	500	0.6	<2	0.66	<0.5	16	51	63	3.99
CC104291	0.32	0.015	0.5	2.51	13	<10	1340	0.5	<2	1.13	<0.5	18	80	103	4.02
CC104292	0.28	0.005	0.2	2.42	15	<10	380	0.5	<2	0.53	<0.5	18	55	70	3.85
CC104293	0.28	<0.005	<0.2	2.27	15	<10	200	0.5	<2	0.64	<0.5	15	52	74	3.66
CC104294	0.48	0.006	0.2	2.64	13	<10	260	0.5	<2	0.72	<0.5	15	72	82	4.02
CC104295	0.28	0.011	0.2	2.53	15	<10	270	0.5	<2	0.81	<0.5	17	75	68	4.01
CC104296	0.30	<0.005	0.2	2.70	14	<10	210	0.6	<2	0.59	<0.5	18	75	50	4.19
CC104297	0.30	0.007	<0.2	2.37	11	<10	180	<0.5	<2	0.56	<0.5	16	58	77	3.69
CC104298	0.32	0.005	0.2	2.46	15	<10	320	<0.5	<2	0.96	<0.5	18	63	89	4.01

***** See Appendix Page for comments regarding this certificate *****

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Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC104259		10	<1	0.31	10	1.48	883	<1	0.06	63	750	7	0.07	2	9	50
CC104260		10	<1	0.24	10	1.24	407	<1	0.06	63	770	10	0.09	<2	8	47
CC104261		10	<1	0.31	10	1.41	376	<1	0.05	55	760	11	0.07	<2	8	53
CC104262		10	<1	0.17	10	1.18	363	3	0.05	48	600	16	0.08	<2	9	45
CC104263		10	<1	0.19	10	1.23	666	<1	0.07	49	620	8	0.07	<2	8	45
CC104264		10	<1	0.24	10	1.39	655	<1	0.05	58	670	7	0.05	2	7	39
CC104265		10	<1	0.28	10	1.18	694	<1	0.05	66	670	11	0.06	<2	8	56
CC104266		10	<1	0.22	10	1.47	392	<1	0.05	121	510	12	0.06	4	10	40
CC104267		10	1	0.20	10	1.29	718	1	0.04	59	640	15	0.06	<2	8	41
CC104268		10	<1	0.18	10	1.10	773	1	0.05	53	550	16	0.05	2	7	40
CC104269		10	<1	0.29	10	1.20	713	<1	0.06	54	860	12	0.09	<2	8	48
CC104270		10	<1	0.30	10	1.10	346	1	0.06	43	580	7	0.08	2	9	43
CC104271		10	<1	0.14	10	0.95	790	2	0.06	45	820	18	0.12	<2	6	54
CC104272		10	<1	0.16	10	0.99	587	1	0.04	51	890	5	0.08	<2	6	48
CC104273		10	<1	0.16	10	1.08	587	1	0.05	53	910	5	0.10	<2	5	56
CC104274		10	<1	0.08	10	0.74	480	1	0.04	36	960	3	0.08	<2	3	46
CC104275		10	1	0.18	10	1.12	890	1	0.04	54	610	5	0.05	<2	7	45
CC104276		10	1	0.14	10	0.93	647	2	0.03	47	840	6	0.08	<2	5	48
CC104277		10	1	0.12	10	1.27	499	9	0.07	72	730	3	0.05	<2	6	54
CC104278		10	<1	0.15	10	1.68	670	2	0.06	77	470	3	0.04	<2	7	50
CC104279		10	<1	0.06	10	0.99	775	3	0.03	45	740	7	0.06	<2	4	46
CC104280		10	<1	0.09	10	0.97	656	3	0.03	46	830	3	0.06	<2	5	45
CC104281		10	<1	0.16	10	1.04	549	3	0.03	42	630	4	0.06	<2	5	40
CC104282		10	<1	0.10	10	1.06	501	3	0.05	47	770	7	0.06	<2	7	50
CC104283		10	<1	0.35	10	1.05	747	3	0.06	50	580	2	0.07	<2	7	44
CC104284		10	<1	0.36	10	1.17	521	1	0.07	51	650	3	0.05	<2	8	50
CC104285		10	<1	0.29	10	1.34	477	1	0.06	64	470	<2	0.03	<2	8	91
CC104286		10	<1	0.14	10	1.30	388	21	0.13	68	400	<2	0.04	<2	5	73
CC104287		10	<1	0.07	10	1.00	630	3	0.03	46	700	3	0.06	<2	4	45
CC104288		10	<1	0.08	10	1.03	429	2	0.04	47	620	5	0.03	<2	6	45
CC104289		10	<1	0.08	10	1.42	606	1	0.05	52	600	4	0.05	<2	5	49
CC104290		10	<1	0.08	10	0.87	731	3	0.03	42	840	17	0.07	<2	5	43
CC104291		10	<1	0.09	10	1.20	692	4	0.06	59	590	6	0.06	<2	7	56
CC104292		10	<1	0.19	10	1.09	578	2	0.03	50	500	3	0.04	<2	5	52
CC104293		10	<1	0.13	10	0.97	520	1	0.04	46	570	4	0.04	<2	5	46
CC104294		10	1	0.23	10	1.20	595	1	0.06	54	410	3	0.03	<2	9	50
CC104295		10	<1	0.20	10	1.26	650	1	0.05	59	650	3	0.06	<2	7	54
CC104296		10	<1	0.19	10	1.09	693	2	0.04	55	690	3	0.05	<2	7	48
CC104297		10	<1	0.11	10	1.07	571	1	0.05	51	660	3	0.04	<2	6	53
CC104298		10	<1	0.23	10	1.17	742	1	0.04	48	720	3	0.07	<2	8	53

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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ALS Minerals

To: STRATEGIC METALS LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC104259		<20	0.13	<10	<10	104	<10	116
CC104260		<20	0.11	<10	<10	86	<10	115
CC104261		<20	0.12	<10	<10	95	<10	115
CC104262		<20	0.10	<10	<10	94	<10	134
CC104263		<20	0.12	<10	<10	98	<10	110
CC104264		<20	0.13	<10	<10	85	<10	104
CC104265		<20	0.12	<10	<10	90	<10	108
CC104266		<20	0.12	<10	<10	87	<10	105
CC104267		<20	0.11	<10	<10	91	<10	115
CC104268		<20	0.11	<10	<10	86	<10	110
CC104269		<20	0.11	<10	<10	88	<10	113
CC104270		<20	0.13	<10	<10	98	<10	87
CC104271		<20	0.07	<10	<10	76	<10	114
CC104272		<20	0.08	<10	<10	78	<10	84
CC104273		<20	0.08	<10	<10	74	<10	92
CC104274		<20	0.06	<10	<10	60	<10	67
CC104275		<20	0.10	<10	<10	80	<10	92
CC104276		<20	0.08	<10	<10	83	<10	112
CC104277		<20	0.10	<10	<10	85	<10	79
CC104278		<20	0.12	<10	<10	97	<10	92
CC104279		<20	0.08	<10	<10	93	<10	114
CC104280		<20	0.09	<10	<10	81	<10	71
CC104281		<20	0.10	<10	<10	89	<10	81
CC104282		<20	0.07	<10	<10	90	<10	93
CC104283		<20	0.13	<10	<10	101	<10	105
CC104284		<20	0.14	<10	<10	97	<10	89
CC104285		<20	0.14	<10	<10	96	<10	75
CC104286		<20	0.09	<10	<10	85	<10	53
CC104287		<20	0.08	<10	<10	88	<10	84
CC104288		<20	0.09	<10	<10	88	<10	72
CC104289		<20	0.09	<10	<10	120	<10	69
CC104290		<20	0.05	<10	<10	76	<10	104
CC104291		<20	0.07	<10	<10	101	<10	112
CC104292		<20	0.11	<10	<10	92	<10	106
CC104293		<20	0.10	<10	<10	86	<10	77
CC104294		<20	0.14	<10	<10	99	<10	85
CC104295		<20	0.12	<10	<10	93	<10	93
CC104296		<20	0.12	<10	<10	96	<10	88
CC104297		<20	0.11	<10	<10	87	<10	77
CC104298		<20	0.11	<10	<10	103	<10	109

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC104299		0.38	0.006	0.4	2.42	40	<10	370	0.6	<2	0.52	<0.5	23	62	75	4.46
CC104300		0.30	0.006	0.2	3.21	17	<10	1440	0.5	<2	0.85	0.5	23	81	100	4.41
CC104301		0.50	0.011	0.3	2.99	19	<10	160	<0.5	<2	0.81	<0.5	27	122	214	4.63
CC104302		0.26	0.024	0.3	2.68	11	<10	180	<0.5	<2	0.79	<0.5	33	86	216	4.98
CC104303		0.26	0.013	0.2	2.45	14	<10	150	0.5	<2	0.64	<0.5	21	72	92	4.21
CC104304		0.22	0.128	1.1	1.94	34	<10	170	<0.5	2	0.69	<0.5	37	103	301	8.69
CC104305		0.42	0.063	0.8	2.27	36	<10	610	1.0	<2	1.84	<0.5	29	126	434	5.33
CC104306		0.24	0.038	0.4	1.78	17	<10	130	0.5	<2	0.47	<0.5	16	48	73	3.62
CC104307		0.30	0.094	0.8	1.74	21	<10	200	0.5	<2	0.69	<0.5	19	70	472	4.63
CC104308		0.22	0.036	0.7	1.74	23	<10	330	0.5	<2	1.23	<0.5	15	56	217	3.12
CC104309		0.34	0.023	1.0	2.28	47	<10	430	0.7	<2	0.66	<0.5	19	65	262	4.25
CC104310		0.48	0.005	<0.2	2.36	21	<10	190	0.5	<2	0.57	<0.5	21	59	60	4.22
CC104311		0.22	0.012	0.3	1.88	28	<10	170	<0.5	<2	1.02	<0.5	15	56	82	3.21
CC104312		0.22	0.020	0.9	2.59	25	<10	370	0.5	<2	1.35	0.5	18	127	442	3.83
CC104313		0.22	0.011	0.5	1.52	19	<10	160	0.5	<2	1.06	<0.5	12	53	131	2.69
CC104314		0.40	0.018	0.2	2.16	15	<10	360	0.5	<2	0.45	<0.5	17	50	149	4.06
CC104315		0.56	0.054	0.4	1.82	7	<10	220	0.5	<2	0.41	<0.5	26	40	351	3.83
CC104316		0.28	0.038	<0.2	2.62	9	<10	100	<0.5	<2	0.69	<0.5	24	88	103	4.17
CC104317		0.24	0.014	0.2	1.67	13	<10	170	<0.5	<2	0.74	<0.5	19	49	133	3.17
CC104318		0.30	<0.005	<0.2	2.82	9	<10	130	<0.5	<2	0.76	<0.5	29	161	164	4.65
CC104319		0.26	0.014	<0.2	1.89	18	<10	150	<0.5	<2	0.61	<0.5	19	46	97	3.36
CC104320		0.26	0.009	<0.2	2.26	16	<10	140	0.5	<2	0.63	<0.5	21	76	94	4.14
CC104321		0.26	<0.005	0.2	2.78	12	<10	110	<0.5	<2	0.72	<0.5	27	110	115	4.63
CC104351		0.30	0.007	0.2	2.15	17	<10	780	0.5	<2	0.60	<0.5	18	47	73	3.62
CC104352		0.36	0.028	0.2	2.51	13	<10	730	0.5	<2	0.52	<0.5	18	65	74	4.02
CC104353		0.34	0.051	0.3	2.36	10	<10	220	<0.5	<2	0.71	<0.5	19	89	166	3.68
CC104354		0.36	0.102	0.4	1.81	18	<10	230	<0.5	<2	0.51	<0.5	14	42	118	3.66
CC104355		0.26	0.038	0.3	2.72	10	<10	150	<0.5	<2	0.82	<0.5	23	102	387	4.44
CC104356		0.34	0.042	<0.2	2.99	9	<10	450	<0.5	<2	0.68	<0.5	23	63	159	4.40
CC104357		0.34	0.099	0.2	2.61	11	<10	700	0.5	<2	0.84	0.6	34	136	184	4.59
CC104358		0.24	0.006	0.2	2.79	14	<10	200	0.5	<2	0.73	<0.5	26	105	248	4.43
CC104359		0.30	0.068	0.2	1.98	12	<10	370	0.5	<2	0.68	<0.5	22	110	94	4.34
CC104360		0.28	0.006	0.3	2.83	16	<10	1370	0.5	<2	0.78	0.6	25	100	112	4.54
CC104361		0.34	<0.005	0.3	2.32	23	<10	1060	0.6	<2	0.98	<0.5	20	71	83	4.05
CC104362		0.28	<0.005	0.3	2.41	40	<10	800	0.5	<2	1.05	<0.5	21	85	91	4.63
CC104363		0.28	<0.005	<0.2	2.33	20	<10	280	0.5	<2	0.45	<0.5	20	54	63	4.29
CC104364		0.28	<0.005	0.2	2.49	11	<10	340	<0.5	<2	0.54	<0.5	17	63	72	3.76
CC104365		0.32	<0.005	0.2	2.47	10	<10	230	<0.5	<2	0.86	<0.5	19	62	121	3.84
CC104366		0.34	0.005	0.7	2.45	20	<10	630	0.5	<2	0.86	0.8	20	60	97	3.91
CC104367		0.28	0.005	1.0	2.28	23	<10	890	0.6	<2	0.83	0.9	17	62	90	3.49

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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ALS Minerals

To: STRATEGIC METALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC104299		10	<1	0.13	10	1.17	768	3	0.03	69	640	10	0.06	<2	5	41
CC104300		10	<1	0.10	10	1.48	734	4	0.07	73	610	7	0.05	<2	7	61
CC104301		10	<1	0.16	10	2.06	683	5	0.04	81	730	2	0.06	<2	8	52
CC104302		10	1	0.24	10	1.46	484	23	0.06	70	470	3	0.08	<2	6	43
CC104303		10	<1	0.11	10	1.33	626	3	0.03	56	690	3	0.05	<2	8	44
CC104304		10	<1	0.09	10	1.29	1210	38	0.07	86	1500	4	0.33	<2	10	47
CC104305		10	1	0.20	10	1.35	1270	29	0.06	130	1580	3	0.13	<2	10	65
CC104306		10	<1	0.09	10	0.77	524	5	0.03	38	750	4	0.08	<2	4	38
CC104307		10	<1	0.13	10	1.06	546	40	0.04	63	1350	<2	0.08	<2	7	40
CC104308		10	<1	0.12	10	0.86	498	13	0.04	50	1050	10	0.13	<2	5	54
CC104309		10	<1	0.14	20	1.14	746	31	0.04	49	1010	29	0.11	<2	8	48
CC104310		10	<1	0.08	10	1.17	684	5	0.03	62	660	10	0.04	<2	4	41
CC104311		10	1	0.07	10	0.92	595	6	0.04	45	750	11	0.07	<2	5	47
CC104312		10	<1	0.16	10	1.58	618	23	0.10	75	840	16	0.07	<2	7	79
CC104313		<10	<1	0.06	10	0.62	516	20	0.04	36	1200	9	0.08	<2	3	53
CC104314		10	1	0.16	10	0.94	581	12	0.03	46	710	10	0.08	<2	5	39
CC104315		10	<1	0.22	10	1.04	419	43	0.02	62	750	9	0.04	<2	7	25
CC104316		10	<1	0.17	10	2.30	775	2	0.02	63	690	9	0.05	<2	7	28
CC104317		10	<1	0.10	10	0.82	730	16	0.03	41	1050	7	0.12	<2	3	55
CC104318		10	1	0.15	10	2.58	763	2	0.03	86	480	4	0.04	4	10	35
CC104319		10	<1	0.09	10	0.80	612	9	0.03	37	920	11	0.10	<2	3	42
CC104320		10	1	0.11	10	1.40	769	4	0.02	50	890	9	0.08	<2	5	47
CC104321		10	<1	0.11	10	2.27	970	2	0.02	61	830	15	0.06	<2	7	36
CC104351		10	<1	0.07	10	0.78	738	3	0.03	40	1230	11	0.11	<2	3	49
CC104352		10	<1	0.07	10	0.97	661	3	0.03	49	670	12	0.05	<2	5	39
CC104353		10	<1	0.09	10	1.53	515	5	0.03	63	730	10	0.09	<2	8	54
CC104354		10	<1	0.06	10	0.91	563	3	0.02	37	710	11	0.05	<2	5	39
CC104355		10	<1	0.14	10	1.41	486	27	0.05	68	560	7	0.05	<2	5	91
CC104356		10	<1	0.21	10	1.58	472	8	0.06	73	510	13	0.06	<2	6	45
CC104357		10	<1	0.15	10	1.86	1595	3	0.03	86	590	15	0.05	<2	9	40
CC104358		10	<1	0.09	10	1.85	870	2	0.02	76	750	7	0.06	<2	7	34
CC104359		10	<1	0.15	10	1.35	767	4	0.05	91	770	13	0.18	<2	8	33
CC104360		10	<1	0.13	10	1.28	1050	6	0.06	68	680	9	0.06	<2	7	76
CC104361		10	<1	0.08	10	0.92	787	5	0.04	58	910	16	0.09	<2	6	53
CC104362		10	<1	0.08	10	1.07	725	9	0.05	59	700	11	0.06	<2	7	61
CC104363		10	<1	0.15	10	1.05	586	3	0.03	66	520	14	0.07	<2	4	42
CC104364		10	<1	0.34	10	1.29	575	1	0.04	57	380	29	0.03	<2	7	33
CC104365		10	1	0.33	10	1.29	596	1	0.04	52	650	11	0.05	<2	7	46
CC104366		10	<1	0.20	10	1.10	606	9	0.05	72	940	13	0.10	<2	6	56
CC104367		10	<1	0.14	10	1.07	550	16	0.05	68	850	16	0.09	<2	6	43

***** See Appendix Page for comments regarding this certificate *****

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To: STRATEGIC METALS LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description / Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Th	Ti	Tl	U	V	W	Zn
Units	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	2
CC104299	<20	0.09	<10	<10	103	<10	149
CC104300	<20	0.08	<10	<10	95	<10	126
CC104301	<20	0.10	<10	<10	109	<10	80
CC104302	<20	0.12	<10	<10	104	<10	62
CC104303	<20	0.11	<10	<10	94	<10	82
CC104304	<20	0.12	<10	<10	124	<10	73
CC104305	<20	0.06	<10	<10	164	<10	81
CC104306	<20	0.07	<10	<10	72	<10	72
CC104307	<20	0.10	<10	<10	124	<10	55
CC104308	<20	0.07	<10	<10	82	<10	88
CC104309	<20	0.09	<10	<10	137	<10	96
CC104310	<20	0.09	<10	<10	84	<10	96
CC104311	<20	0.07	<10	<10	77	<10	98
CC104312	<20	0.10	<10	<10	118	<10	124
CC104313	<20	0.05	<10	<10	72	<10	72
CC104314	<20	0.09	<10	<10	91	<10	79
CC104315	<20	0.10	<10	<10	87	<10	55
CC104316	<20	0.13	<10	<10	108	<10	84
CC104317	<20	0.05	<10	<10	62	<10	81
CC104318	<20	0.14	<10	<10	120	<10	88
CC104319	<20	0.06	<10	<10	65	<10	90
CC104320	<20	0.08	<10	<10	96	<10	100
CC104321	<20	0.11	<10	<10	115	<10	98
CC104351	<20	0.05	<10	<10	70	<10	96
CC104352	<20	0.06	<10	<10	85	<10	96
CC104353	<20	0.06	<10	<10	90	<10	80
CC104354	<20	0.05	<10	<10	63	<10	90
CC104355	<20	0.07	<10	<10	99	<10	62
CC104356	<20	0.12	<10	<10	117	<10	74
CC104357	<20	0.03	<10	<10	91	<10	92
CC104358	<20	0.08	<10	<10	101	<10	93
CC104359	<20	0.04	<10	<10	86	<10	81
CC104360	<20	0.06	<10	<10	96	<10	135
CC104361	<20	0.06	<10	<10	84	<10	129
CC104362	<20	0.06	<10	<10	86	<10	113
CC104363	<20	0.11	<10	<10	91	<10	146
CC104364	<20	0.15	<10	<10	99	<10	270
CC104365	<20	0.12	<10	<10	105	<10	147
CC104366	<20	0.07	<10	<10	107	<10	195
CC104367	<20	0.06	<10	<10	142	<10	249

***** See Appendix Page for comments regarding this certificate *****

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To: STRATEGIC METALS LTD.
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- SEP- 2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC104368		0.28	0.005	<0.2	2.30	61	<10	780	0.5	<2	0.43	0.5	18	59	61	4.16
CC104369		0.28	0.014	<0.2	2.49	10	<10	270	<0.5	<2	0.79	<0.5	23	129	131	4.22
CC104370		0.34	<0.005	<0.2	2.52	12	<10	380	<0.5	<2	1.04	<0.5	25	186	132	3.81
CC104371		0.32	0.006	<0.2	2.01	12	<10	480	0.5	<2	0.63	<0.5	20	69	70	3.99
CC104372		0.34	0.007	<0.2	2.42	15	<10	160	<0.5	<2	0.49	<0.5	27	80	103	4.20
CC104373		0.26	0.006	0.2	2.45	21	<10	230	0.6	<2	0.68	<0.5	25	69	91	4.80
CC104374		0.30	0.140	2.0	2.58	28	<10	540	0.6	<2	1.49	1.7	31	157	165	5.93
CC104375		0.32	0.019	0.3	2.73	15	<10	190	<0.5	<2	0.92	<0.5	26	84	131	4.51
CC104376		0.28	0.009	0.4	2.92	12	<10	150	<0.5	<2	0.98	<0.5	28	92	120	4.85
CC104377		0.28	0.148	0.2	2.71	17	<10	670	0.6	<2	1.09	<0.5	32	74	186	5.42
CC104378		0.30	0.029	4.7	2.82	26	<10	220	0.7	<2	4.28	5.3	40	211	160	6.46
CC104379		0.28	0.007	<0.2	2.40	21	<10	200	0.6	<2	0.46	<0.5	30	60	69	5.10
CC104380		0.28	0.009	<0.2	1.98	14	<10	160	<0.5	<2	0.92	<0.5	21	94	87	4.00
CC104381		0.26	<0.005	0.3	2.65	17	<10	190	0.5	<2	0.94	<0.5	29	121	107	5.10
CC104382		0.30	0.009	0.5	2.19	17	<10	240	0.5	<2	0.82	<0.5	24	98	122	4.34
CC104383		0.28	0.016	2.0	1.77	39	<10	690	0.8	<2	0.70	6.9	20	38	92	4.58
CC104384		0.26	0.005	0.2	3.12	24	<10	1190	0.6	<2	0.44	0.6	31	96	115	5.25
CC104385		0.28	0.006	0.7	2.61	35	<10	880	<0.5	<2	0.87	1.6	26	108	110	4.81
CC104386		0.32	<0.005	0.6	2.55	15	<10	320	<0.5	<2	0.95	0.7	21	114	114	4.32
CC104387		0.32	<0.005	0.5	2.21	17	<10	330	<0.5	<2	0.70	0.7	19	76	70	3.68
CC104388		0.36	0.009	1.0	2.70	27	<10	290	<0.5	<2	1.13	3.6	29	157	154	4.85
CC104389		0.30	0.007	0.6	3.06	51	<10	2190	0.5	<2	3.53	1.4	37	115	174	5.21
CC104390		0.42	0.008	<0.2	1.93	22	<10	170	0.5	<2	0.80	<0.5	22	69	67	4.32
CC104391		0.26	0.005	<0.2	2.70	18	<10	180	0.6	<2	0.45	<0.5	31	76	95	5.32
CC104392		0.30	0.008	0.2	2.35	15	<10	180	<0.5	<2	0.72	<0.5	39	74	154	5.40
CC104393		0.30	0.005	0.2	2.37	17	<10	210	<0.5	<2	1.32	<0.5	30	98	127	4.70
CC104394		0.32	0.005	0.2	2.98	6	<10	170	<0.5	<2	0.67	<0.5	35	219	115	5.25
CC104395		0.26	0.006	0.4	2.57	11	<10	170	0.5	<2	0.73	<0.5	41	127	140	5.25
CC104396		0.30	<0.005	0.2	2.54	14	<10	170	0.5	<2	0.47	<0.5	24	89	79	4.69
CC104397		0.26	0.005	0.2	3.13	13	<10	140	<0.5	<2	0.81	<0.5	35	107	120	5.64
CC104398		0.38	0.011	2.1	5.51	124	<10	740	1.9	<2	4.29	4.9	201	312	828	19.2
CC104399		0.32	0.007	<0.2	2.75	5	<10	60	<0.5	<2	0.81	<0.5	31	93	85	4.75
CC104400		0.32	0.005	0.2	2.40	19	<10	150	0.5	<2	0.64	<0.5	23	66	67	4.68
CC104401		0.34	0.006	<0.2	2.29	11	<10	130	<0.5	<2	0.72	<0.5	24	68	73	4.31
CC104402		0.26	0.005	0.4	3.31	16	<10	160	<0.5	<2	0.87	<0.5	32	160	164	5.37

***** See Appendix Page for comments regarding this certificate *****

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ALS Minerals

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Finalized Date: 8-SEP-2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC104368		10	1	0.11	10	0.93	545	5	0.03	51	740	27	0.05	<2	5	34
CC104369		10	<1	0.09	10	1.98	746	1	0.03	85	720	6	0.05	<2	10	35
CC104370		10	<1	0.07	10	1.84	645	1	0.03	114	720	7	0.06	<2	9	29
CC104371		10	<1	0.10	10	1.04	838	2	0.03	54	700	10	0.05	<2	7	35
CC104372		10	<1	0.05	10	1.57	889	<1	0.02	61	390	9	0.03	<2	9	30
CC104373		10	1	0.09	10	1.40	827	4	0.02	63	690	12	0.07	<2	7	36
CC104374		10	1	0.13	10	2.19	953	10	0.01	111	1580	15	0.10	<2	12	40
CC104375		10	<1	0.16	10	1.96	619	3	0.03	67	790	6	0.10	<2	7	36
CC104376		10	<1	0.18	10	2.29	662	2	0.02	70	670	7	0.07	<2	8	35
CC104377		10	1	0.19	10	1.81	777	24	0.05	85	1140	7	0.15	<2	7	53
CC104378		10	<1	0.13	10	2.11	1225	13	0.01	155	1820	20	0.05	<2	14	87
CC104379		10	<1	0.08	10	1.19	914	3	0.01	55	750	10	0.08	<2	5	37
CC104380		10	<1	0.07	10	1.36	776	2	0.01	66	1030	7	0.11	<2	5	34
CC104381		10	1	0.10	10	2.05	965	2	0.01	75	1000	9	0.08	<2	9	38
CC104382		10	<1	0.09	10	1.75	774	4	0.01	67	890	10	0.08	<2	8	32
CC104383		<10	<1	0.10	20	0.87	613	51	0.03	85	1290	23	0.32	7	4	44
CC104384		10	<1	0.19	20	1.63	944	6	0.03	82	500	20	0.08	<2	8	43
CC104385		10	<1	0.08	10	1.68	739	14	0.02	80	830	14	0.08	<2	8	66
CC104386		10	<1	0.06	10	1.95	508	7	0.01	76	630	7	0.05	<2	10	39
CC104387		10	1	0.05	10	1.30	597	6	0.02	55	640	8	0.05	<2	5	34
CC104388		10	<1	0.07	10	2.44	770	7	0.01	108	740	14	0.09	<2	9	37
CC104389		10	<1	0.11	20	1.81	850	25	0.03	127	690	17	0.10	<2	11	325
CC104390		10	1	0.10	10	1.19	797	3	0.01	55	1120	10	0.11	<2	4	43
CC104391		10	<1	0.08	10	1.60	1055	2	<0.01	61	810	9	0.06	<2	7	31
CC104392		10	1	0.10	10	1.64	1220	1	0.01	62	560	5	0.06	<2	11	32
CC104393		10	<1	0.12	10	2.02	874	2	0.01	71	870	7	0.11	<2	7	35
CC104394		10	<1	0.07	10	2.90	1010	1	0.01	132	550	6	0.05	<2	8	32
CC104395		10	<1	0.09	10	1.99	1130	2	0.01	90	730	5	0.07	<2	9	31
CC104396		10	<1	0.08	10	1.55	821	2	<0.01	79	730	9	0.06	<2	5	32
CC104397		10	<1	0.12	10	3.03	1025	1	0.01	83	480	5	0.05	<2	11	27
CC104398		20	1	0.40	30	4.58	3630	20	0.18	368	3300	23	0.29	<2	45	81
CC104399		10	<1	0.13	<10	2.85	1080	<1	<0.01	65	600	3	0.02	<2	12	19
CC104400		10	1	0.11	10	1.52	863	2	<0.01	51	990	9	0.07	<2	5	39
CC104401		10	1	0.12	10	1.72	655	2	0.01	51	850	6	0.07	<2	5	25
CC104402		10	1	0.20	10	2.49	766	2	0.04	90	660	7	0.07	<2	11	42

***** See Appendix Page for comments regarding this certificate *****

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To: STRATEGIC METALS LTD.
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Finalized Date: 8- SEP- 2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC104368		<20	0.08	<10	<10	95	<10	170
CC104369		<20	0.09	<10	<10	107	<10	78
CC104370		<20	0.06	<10	<10	97	<10	69
CC104371		<20	0.05	<10	<10	86	<10	92
CC104372		<20	0.12	<10	<10	115	<10	72
CC104373		<20	0.09	<10	<10	104	<10	105
CC104374		<20	0.08	<10	<10	190	<10	197
CC104375		<20	0.10	<10	<10	109	<10	86
CC104376		<20	0.11	<10	<10	124	<10	83
CC104377		<20	0.08	<10	<10	149	<10	100
CC104378		<20	0.06	<10	<10	346	<10	451
CC104379		<20	0.08	<10	<10	106	<10	131
CC104380		<20	0.06	<10	<10	90	<10	91
CC104381		<20	0.09	<10	<10	112	<10	111
CC104382		<20	0.07	<10	<10	90	<10	102
CC104383		<20	0.03	<10	<10	99	<10	367
CC104384		<20	0.09	<10	<10	109	<10	146
CC104385		<20	0.05	<10	<10	100	<10	197
CC104386		<20	0.09	<10	<10	97	<10	144
CC104387		<20	0.09	<10	<10	84	<10	112
CC104388		<20	0.09	<10	<10	114	<10	584
CC104389		<20	0.02	<10	<10	105	<10	212
CC104390		<20	0.06	<10	<10	80	<10	111
CC104391		<20	0.09	<10	<10	113	<10	106
CC104392		<20	0.15	<10	<10	141	<10	85
CC104393		<20	0.09	<10	<10	97	<10	86
CC104394		<20	0.12	<10	<10	121	<10	76
CC104395		<20	0.12	<10	<10	123	<10	85
CC104396		<20	0.09	<10	<10	91	<10	93
CC104397		<20	0.15	<10	<10	119	<10	87
CC104398		<20	0.23	<10	<10	582	<10	645
CC104399		<20	0.15	<10	<10	122	<10	64
CC104400		<20	0.09	<10	<10	99	<10	106
CC104401		<20	0.10	<10	<10	104	<10	81
CC104402		<20	0.14	<10	<10	137	<10	75

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 8- SEP- 2010
Account: MTT

Project: CORKY

CERTIFICATE OF ANALYSIS VA10120387

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

APPENDIX III

AIRBORNE GEOPHYSICAL SURVEY AND INTERPRETATION DATA

Assessment of Airborne Magnetics and Radiometrics Surveys at the Corky Prospect

An 87 line km helicopter magnetic and radiometric survey has been completed over the Corky project by New-Sense Geophysics Ltd. (New-Sense) for Strategic Metals Ltd. (Strategic Metals). The survey area surrounds a reportedly drilled Cu-Mo prospect and is located approximately 250 km west-north-west of Whitehorse in the Yukon Territory. Condor Consulting, Inc. (Condor) has been commissioned to assess the data sets and provide a 3D model of the magnetics. Refer to New-Sense's logistic report (HMR100806) for any additional survey details. Figure 1 shows the location of the survey area and flight path.

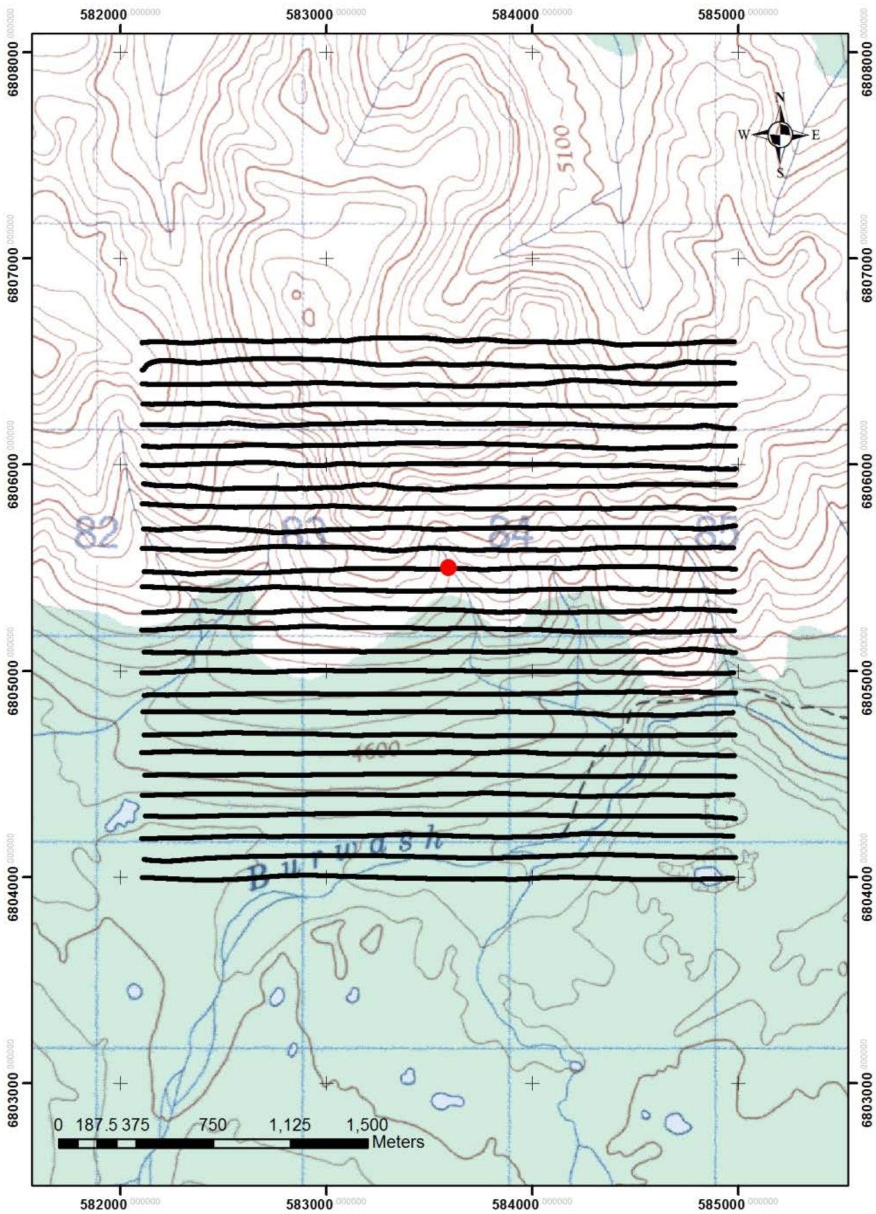

Figure 1: Corky airborne magnetics and radiometrics survey flight path. The red dot denotes the location of a reported previously drilled Cu-Mo prospect.

The range of the magnetic response across the survey area is approximately 1,700 nT. The results show two strongly magnetized anomalies dominating the data set and are shown in Figure 2. The northern magnetic anomaly may have been partially tested by drilling as a Cu-Mo prospect according to the Yukon Geologic Surveys' MINFILE database. Anomalous stream sediment Cu samples of up to 79 ppm were collected to the south of the survey area. It is recommended that the existing drill information be compared to the airborne survey results and the south magnetic anomaly be followed up with a field check and subsequent mapping and sampling, although the source of this anomaly may be located under cover.

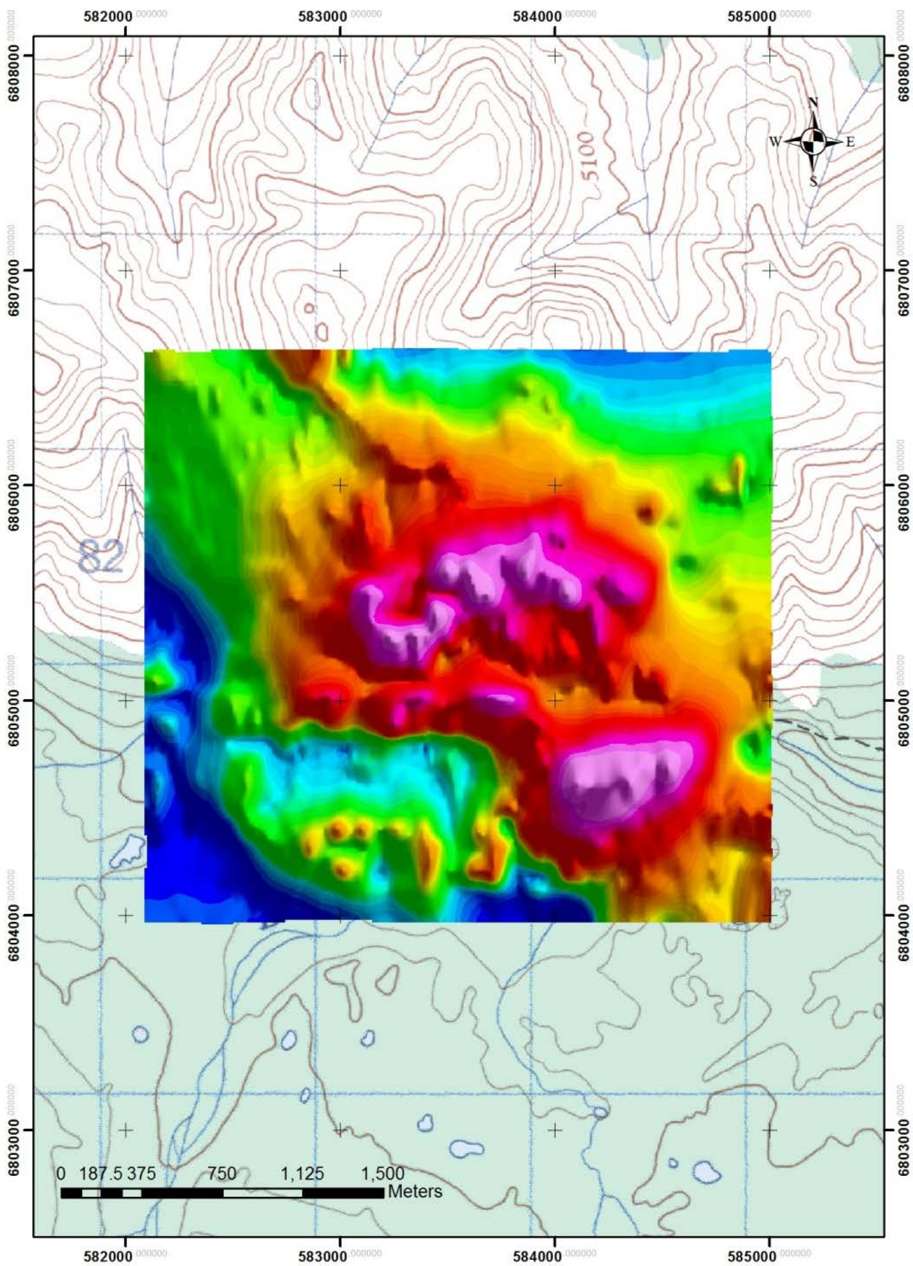

Figure 1: Corky total magnetic intensity image.

The University of British Columbia (UBC) 3D magnetic inversion program MAD3D (version 4.0) was used to produce a model of the magnetics data. MAG3D is a program library for carrying out forward modeling and inversion of surface, airborne, and/or borehole magnetic data in the presence of a three dimensional Earth. Data are assumed to be the anomalous magnetic response to buried susceptible material, not including Earth's ambient field. The model is specified using a mesh of rectangular cells, each with a constant value of susceptibility, and topography is included. The magnetic response can be calculated anywhere within the model volume, including above the topography, simulating ground or airborne surveys, and inside the ground simulating borehole surveys. Figure 3 displays the 3D inversion results of the magnetics data at Corky.

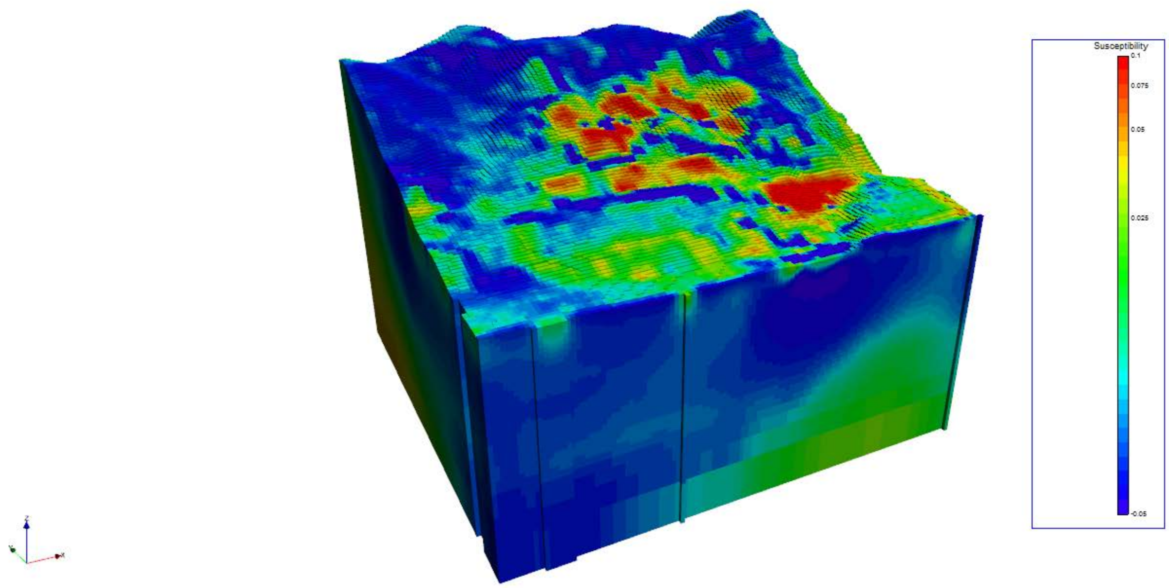

Figure 3: Corky 3D magnetic model.

The elevated radiometrics response appears to correlate with an east-west band of exposed rocks through the middle of the survey area off the valley floor.

The following products can be found and downloaded from the Condor ftp site (ftp://ftp.condorconsult.com , user id: archer@condorconsult.com , password: skywalker19):

- Summary report of the assessment
- Registered images of the airborne magnetics and radiometrics (NAD83, Zone 7N)
- 3D magnetic model and associated sections

It is recommended that the results of the airborne magnetics and radiometrics data be compared with any available geologic and geochemical information in order to help advance the exploration program at Corky.

Respectfully submitted;

Mark Goldie

Condor Consulting, Inc.

November 9, 2010

References:

Li, Y. and Oldenburg, D. W., 1996, 3-D Inversion of Magnetic Data: Geophysics, 61, no. 02, 394-408.

Yakovenko, A., Logistics Report for the High Resolution Helicopter Magnetic and Gamma-ray Spectrometric Airborne Geophysical Survey flown over Mint, Nikki, Corky, Meloy, King, and Mars Project Properties, Yukon, from White River Lodge (Mint and Nikki), Burwash Landing (Corky and Meloy), and Braeburn Lodge (King and Mars), Yukon carried out on behalf of Strategic Metals Ltd. by New-Sense geophysics Limited, Project # HMR100806, October 2010.

Logistics
Report

For the

High Resolution Helicopter Magnetic and
Gamma-ray Spectrometric Airborne Geophysical Survey

Flown over

MINT, NIKKI, CORKY, MELOY, KING, AND MARS Project Properties, Yukon

From

White River Lodge (Mint and Nikki)**, Burwash Landing** (Corkey and Meloy)**, and Braeburn Lodge** (King and Mars)**, Yukon**

Carried out on behalf of

STRATEGIC METALS LTD.

By

New-Sense Geophysics Limited

Toronto, Canada
October 5th, 2010
(HMR100806-report)

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AMENDMENT RECORD

Rev	Date	Description	Report Section	Prepared by

DOCUMENT RECORD

Document Identification	HMR100806-report
Document Custodian	Field Operations Manager
Relates To	Final Deliverables
Original Date Issued	October 5th, 2010

1. INTRODUCTION

A high sensitivity helicopter magnetic and gamma-ray spectrometric airborne survey was carried out for Strategic Metals Ltd. (Client) over six (6) project areas known as:

Mint and *Nikki*, located ~25 Km west and 30 Km south-west respectively of White River Lodge, Yukon;
Corky and *Meloy*, located ~21 Km west and ~47 Km north-east respectively of Burwash Landing, Yukon;
*Kin*g and *Mars*, located ~32 Km north-west and ~56 Km south-east respectively of Braeburn Lodge, Yukon.

New-Sense Geophysics (NSG) flew the survey under the terms of an agreement with Client dated August 6th, 2010.

The survey was flown between August 8th and August 17th, 2010. A total of 1,207 line kilometers of field magnetic and radiometric data was flown, collected, processed and plotted. These lines were flown in 6 separate blocks listed below:

Mint Property	- 272 km
Nikki Property	- 162 km
Corky Property	- 87 km
Meloy Property	- 293 km
King Proporty	- 231 km
Mars Property	- 162 km

Geophysical equipment was comprised of 1 high-sensitivity Cesium-3 magnetometer mounted in a fixed stinger assemble and a 1024-channel spectrometer with four downward looking crystals (total 16 liters) and one upward looking crystal (total 4 liters). Airborne ancillary equipment included digital recorders, fluxgate magnetometer, radar altimeter and global positioning system (GPS) receiver, which provided accurate real-time navigation and subsequent flight path recovery. Surface equipment included a magnetic base station with GPS time synchronization and a PC-based field workstation, which was used to check the data quality and completeness on a daily basis.

The technical objective of the survey was to provide high-resolution total field magnetic and radiometric maps suitable for anomaly delineation, detailed structural evaluation, and identification of lithologic trends. Fully corrected magnetic and radiometric maps were prepared by New-Sense Geophysics Limited, in their Toronto office, after the completion of survey activities.

This report describes the acquisition, processing, and presentation of data for the Strategic Metals Ltd. airborne survey over Mint, Nikki, Corky, Meloy, King and Mars blocks, Yukon.

2. SURVEY LOCATION

Datum: NAD83
Projection: Universal Transverse Mercator Zone 7N and Zone 8N
Local Datum Transform: North America (all Canada and USA subunits)

Table 2.1: Mint Property Coordinates

UTN Zone 7N			
NAD83_X	**NAD83_Y**	**WGS84_X**	**WGS84_Y**
503454	6855015	503454	6855015
507048	6855015	507048	6855015
507048	6852165	507048	6852165
508398	6852165	508398	6852165
508398	6849474	508398	6849474
503454	6849474	503454	6849474
503454	6855015	503454	6855015

Table 2.2: Nikki Property Coordinates

UTN Zone 7N			
NAD83_X	**NAD83_Y**	**WGS84_X**	**WGS84_Y**
500000	6881475	500000	6881475
503500	6881475	503500	6881475
503500	6877500	503500	6877500
500000	6877500	500000	6877500
500000	6881475	500000	6881475

Table 2.3: Corky Property Coordinates

UTN Zone 7N			
NAD83_X	**NAD83_Y**	**WGS84_X**	**WGS84_Y**
582177	6806658	582177	6806658
584919	6806658	584919	6806658
584918	6803915	584918	6803915
582176	6803915	582176	6803915
582177	6806658	582177	6806658

Table 2.4: Meloy Property Coordinates

UTN Zone 7N			
NAD83_X	NAD83_Y	WGS84_X	WGS84_Y
647000	6823000	647000	6823000
652000	6823000	652000	6823000
652000	6818000	652000	6818000
647000	6818000	647000	6818000
647000	6823000	647000	6823000

Table 2.5: King Property Coordinates

UTN Zone 8N			
NAD83_X	NAD83_Y	WGS84_X	WGS84_Y
438766	6845463	438766	6845463
441425	6845467	441425	6845467
441509	6844655	441509	6844655
441514	6840897	441514	6840897
436938	6840899	436938	6840899
436938	6845004	436938	6845004
438766	6845004	438766	6845004
438766	6845463	438766	6845463

Table 2.6: Mars Property Coordinates

UTN Zone 8N			
NAD83_X	NAD83_Y	WGS84_X	WGS84_Y
508795	6798209	508795	6798209
512466	6794761	512466	6794761
510594	6792767	510594	6792767
506923	6796215	506923	6796215
508795	6798209	508795	6798209

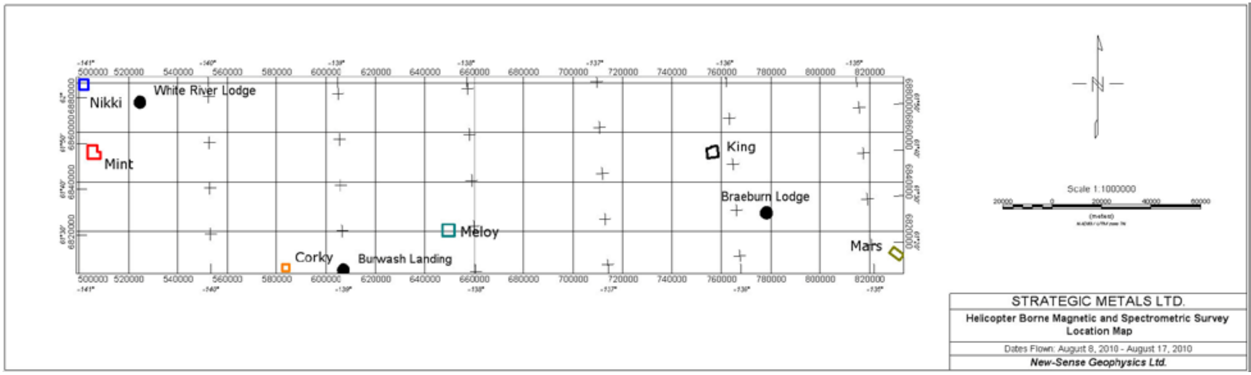


Figure 2.1 Location map depicting the outlines of all six (6) properties: Nikki (blue), Mint (red), Corky (orange), Meloy (grey), King (black), and Mars (green). The coordinate system is NAD83, North America (all Canada and USA subunits), Zone 7N.

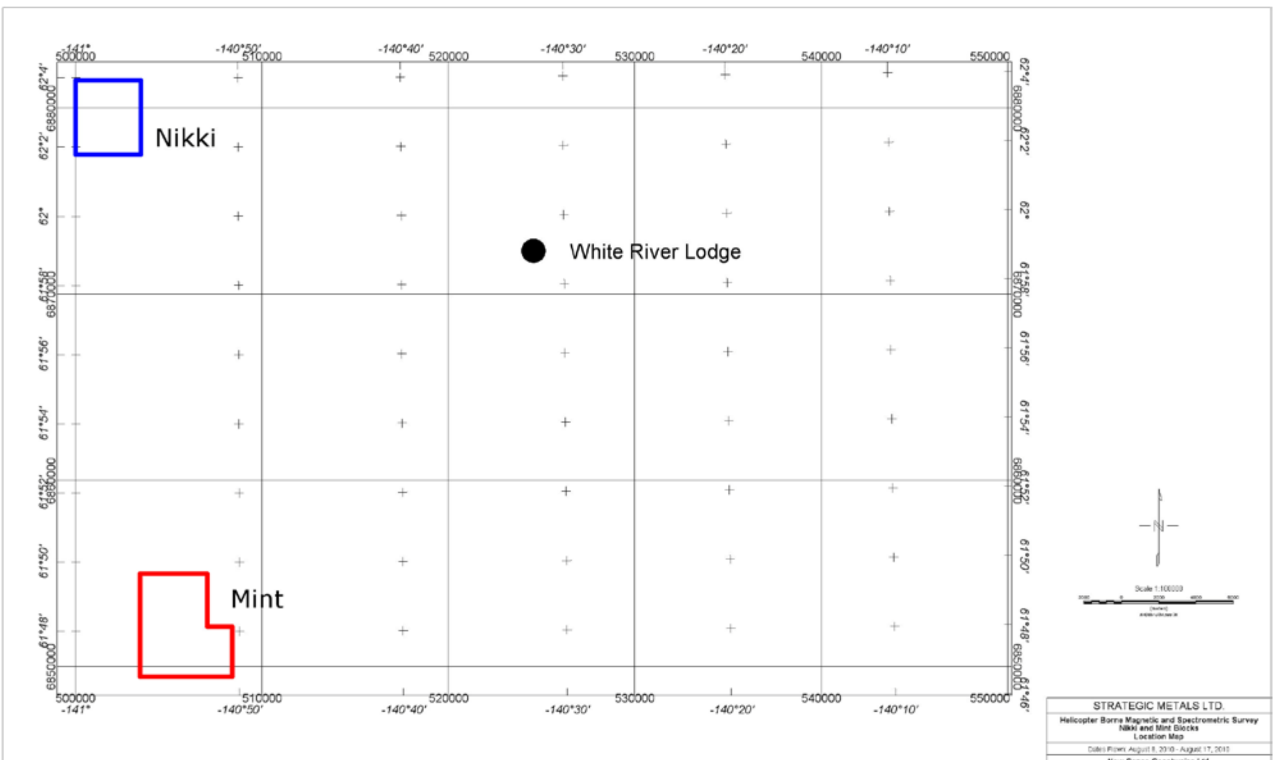


Figure 2.2 Location map depicting the outlines of Nikki (blue) and Mint (red) The coordinate system is NAD83, North America (all Canada and USA subunits), Zone 7N.

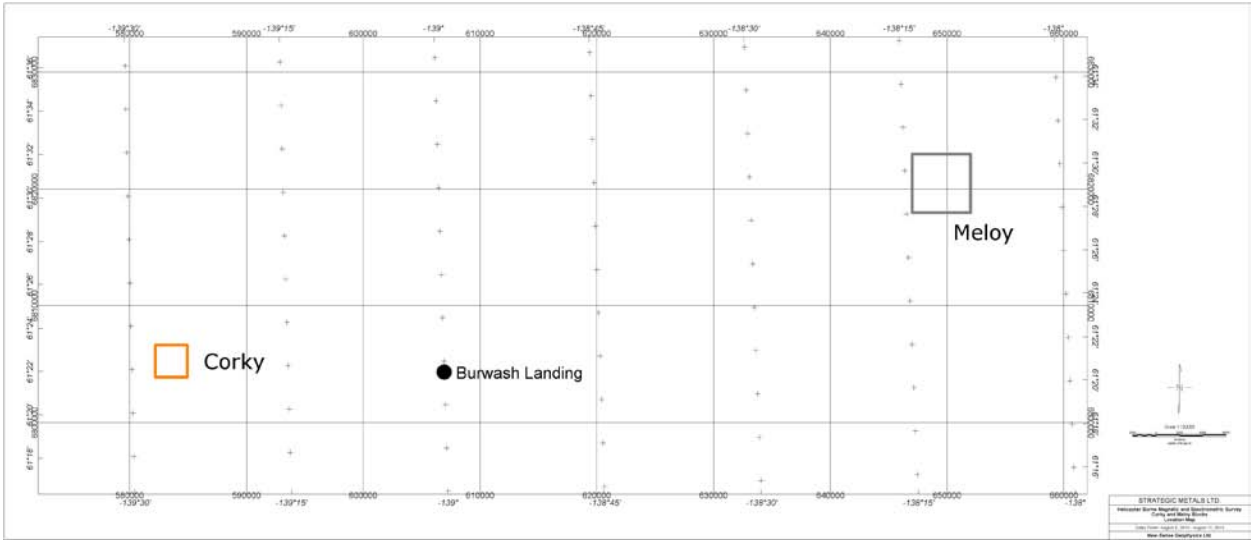


Figure 2.3 Location map depicting the outlines of Corky (orange) and Meloy (grey). The coordinate system is NAD83, North America (all Canada and USA subunits), Zone 7N.

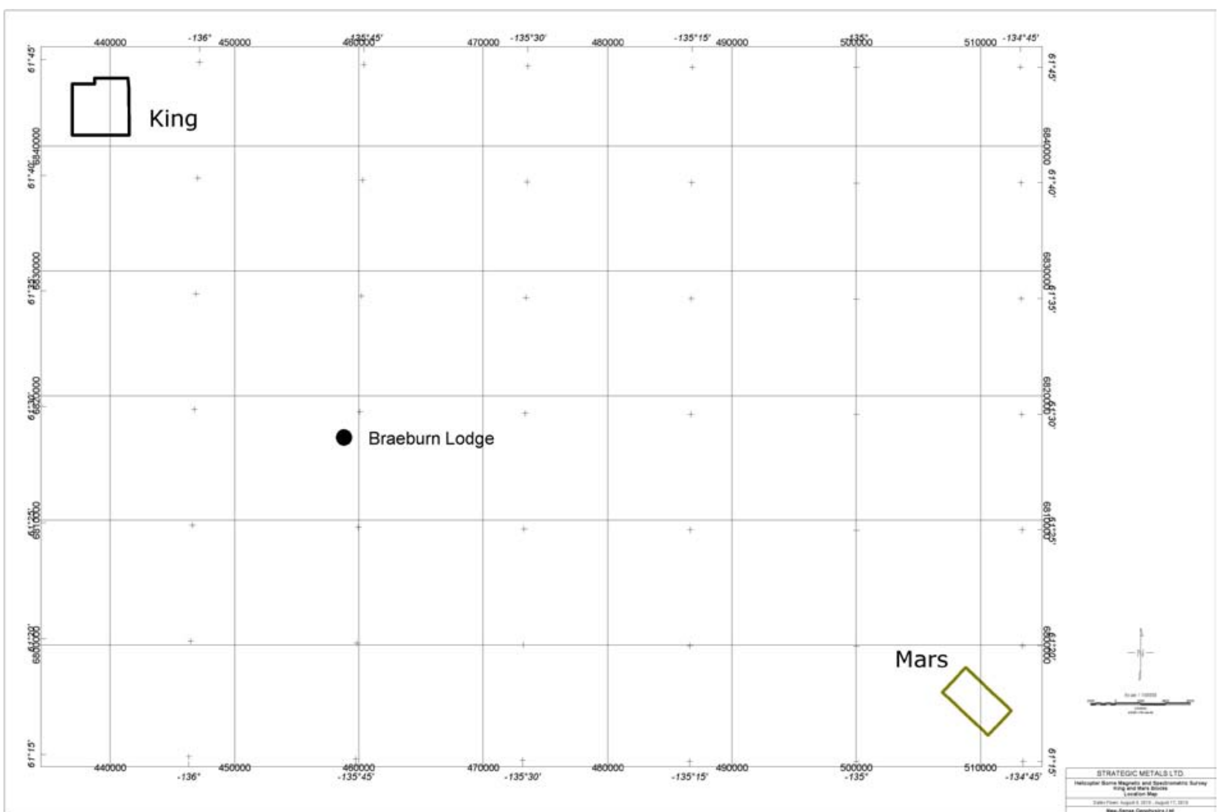


Figure 2.4 Location map depicting the outlines of King (black) and Mars (green). The coordinate system is NAD83, North America (all Canada and USA subunits), Zone 8N.

3. PERSONNEL

3.1 FIELD OPERATIONS

New-Sense Geophysics Ltd., Geophysicist:	Chris Evans
Fireweed Helicopters, Pilot:	Brent Vansickle
Fireweed Helicopters, Pilot:	RJ Price

3.2 OFFICE DATA PROCESSING AND OFFSITE QA/QC

QA/QC (NSG):	Andrei Yakovenko
Data Processing and Grids (NSG):	Andrei Yakovenko Sean Plener Chris Evans
Maps (NSG):	Andrei Yakovenko Sean Plener
Logistics Report (NSG):	Andrei Yakovenko Sean Plener

3.3 PROJECT MANAGEMENT

New-Sense Geophysics Ltd.:	Andrei Yakovenko
Strategic Metals Ltd.**:**	W. Douglas Eaton

4. SURVEY PARAMETERS

Airborne Digital Record:	Line Number Flight Number Radar Altimeter Total Field Magnetics Live Time Thorium counts Potassium counts Uranium counts Upward looking Uranium counts Cosmic counts Down Spectrum Total Counts Time (System and GPS) Raw Global Positioning System (GPS) data Magnetic compensation parameters (fluxgate mag.)
Base Station Record:	Ambient Total Field Magnetics Raw Global Positioning System (GPS) data Time (System and GPS)

Table 4.1 Survey Parameters

Property Name	Mint	Nikki	Corky	Meloy	King	Mars
Traverse Line Spacing (m)	100	100	100	100	100	100
Control Line Spacing (m)	1000	1000	1000	1000	1000	1000
Nominal Terrain Clearance (m)	35	35	35	35	35	35
Observed Terrain Clearance (avrg. m)	33.8	41.0	33.1	39.2	36.5	35.4
Navigation	GPS	GPS	GPS	GPS	GPS	GPS
Traverse Line Direction (deg.)	90, 270	90, 270	90, 270	0, 180	90, 270	132, 312
Control Line Direction (deg.)	0, 180	0, 180	0, 180	90, 270	0, 180	42, 222
Magnetic Data Measurement Interval (sec.)	0.1	0.1	0.1	0.1	0.1	0.1
Radiometric Data Measurement Interval (sec.)	1	1	1	1	1	1
Ground Speed (avrg. km/h)	80.6	76.7	80.3	68.4	107.28	103.7
Magnetic Measurement Interval (avrg. m/0.1sec.)	2.2	2.1	2.2	1.9	3	2.9
Radiometric Measurement Interval (avrg. /1.0sec.)	22.4	21.3	22.3	19	29.8	28.8

5. AIRCRAFT AND EQUIPMENT

5.1 AIRCRAFT

The aircraft used was a Bell 206B3 helicopter (C-FFWH) equipped with a Cesium magnetometer mounted in a fixed stinger assembly and RS-500 airborne spectrometer mounted in the storage compartment. The aviation company providing the aircraft service was Fireweed Helicopters based in Whitehorse, Yukon, Canada.

5.2 AIRBORNE GEOPHYSICAL SYSTEM

5.2.1 MAGNETOMETER

One Scintrex CS-3 optically pumped Cesium split beam sensor was mounted in a fixed stinger assembly. The magnetometer's Larmor frequency output was processed by a KMAG-4 magnetometer counter, which provides a resolution of 0.15 ppm (in a magnetic field of 50,000 nT, resolution equivalent to 0.0075 nT). The raw magnetic data was recorded at 50 Hz, anti-aliased with 51 point COSINE filter and resampled at 10 Hz .

5.2.2 MAGNETIC COMPENSATION

The proximity of the aircraft to the magnetic sensor creates a measurable anomalous response as a result of the aircrafts movement. The orientation of the aircraft with respect to the sensor and the motion of the aircraft through the earth's magnetic field are contributing factors to the strength of this response. A special calibration flight, Figure of Merit (i.e., FOM), was flown to record the information necessary to compensate for these effects.

The FOM maneuvers consist of a series of calibration lines flown at high altitude to gain information in each of the required line directions. During this procedure, pitch, roll and yaw maneuvers are performed on the aircraft (typical angle ranges are 10^o pitch, 10^o roll, and 10^o yaw). Each variation is conducted three times in succession (first pitch, then roll, then yaw), providing a complete picture of the aircraft's effects at designated headings in all orientations.

A three-axis Bartington fluxgate magnetometer (recorded at 50 Hz) was used to measure the orientation and rates of change of the magnetic field of the aircraft, away from localized terrestrial magnetic anomalies. The QC Tools digital compensation algorithm was then applied to generate a correction factor to compensate for permanent, induced, and eddy current magnetic responses generated by the aircrafts movements.

5.2.3 GPS NAVIGATION

A U-BLOX RCB-LJ sixteen channel GPS receiver, which is an integral component of the iNAV V3 computer system, was used to run the flight control system and provide precise positioning of the aircraft.

5.2.4 ALTIMETER

A TRA 3500 radar altimeter was mounted inside the stinger. This instrument operates with a linear performance over the range of 0 to 2,500 feet and records the terrain clearance of the sensors. The raw radar altimeter data was recorded at 50 Hz, anti-aliased with a 21 point COSINE filter and re-sampled at 10 Hz.

5.2.5 GEOPHYSICAL FLIGHT CONTROL SYSTEM

New-Sense's iNAV V3 geophysical flight control system monitored and recorded magnetometer, spectrometer, altimeter, and GPS equipment performance. Input from the various sensors was monitored every 0.005 seconds for the precise coordination of geophysical and positional measurements. The input was recorded fifty times per second (one time per second in the case of GPS and radiometric data).

GPS positional coordinates and terrain clearance were presented to the pilot by means of a panel mounted indicator display. The magnetometer response, forth difference, altimeter profile and profiles of the radiometric windows were also available on the touch screen display, for real-time monitoring of equipment performance.

5.2.6 SPECTROMETER

The RS-500 Airborne Spectrometer with RSX-5 detector pack, manufactured by Radiation Solutions Inc. (RSI), was used for the survey. The RS-500 spectrometer has a multi-peak gain stabilization algorithm and is capable of recording 1024 channels with accuracy of 0.1 to 10 counts/second.

The RS-500 is connected to a crystal pack comprising four downward looking crystals (16 liters total) and one upward looking crystal (4 liters total). The downward crystals record the radiometric spectrum from 410 KeV to 2810 KeV over 1024 discrete energy windows, as well as from a cosmic ray channel that detects photons with energy levels above 3.0 MeV. From these 1024 channels, the standard Total Count, Potassium, Uranium and Thorium channels are extracted. The upward crystal is used to measure and correct for atmospheric Radon interference. The shock-protected Sodium Iodide (Thallium) crystal package is unheated and automatically stabilizes with respect to the multiple peaks. The RS-500 provides raw data that has been automatically corrected for gain, base level, ADC offset, and dead time.

5.2.7 IDAS DIGITAL RECORDING

The output of the CS-3 magnetometer, fluxgate magnetometer, altimeter, temperature, pressure, GPS coordinates, and time (system and GPS), were recorded digitally on a Compact Flash drive at a sample rate of fifty times per second (one time per second for GPS) by the iNAV V3 system.

5.2.8 PRESSURE AND TEMPERATURE

A Honeywell Precision Pressure Transducer, model PPT0020AWN2VA-A, was used to record the ambient pressure and temperature during the survey. The device was mounted in the helicopter stinger. The pressure and temperature outputs units were mbar and degrees Celsius respectively.

5.2.9 SPECTROMETER DIGITAL RECORDING

The output of the RS-500 spectrometer, GPS coordinates and time (UTC) were recorded digitally on an internal RS-500 flash drive at a sample rate of 1 Hz. After each flight the data were copied and synchronized using UTC clock with the iDAS digital records.

5.3 GROUND MONITORING SYSTEM

5.3.1 BASE STATION MAGNETOMETER

A Scintrex CS-3 optically pumped cesium split beam sensor was used at the base of operations within the airport boundaries, in an area of low magnetic gradient and low/free from cultural electric & magnetic noise sources. The sensitivity and absolute accuracy of the ground magnetometer is +/- 0.01 nT. Data was recorded continuously at least every one second throughout all survey operations in digital form on a TC-10 data acquisition system. Both the ground and airborne magnetic readings were synchronized based on the GPS clock.

5.3.2 RECORDING

The output of the magnetic and GPS monitors was recorded digitally on a dedicated TC-10 computer. A visual record of the last three hours was graphically maintained on the computer screen to provide an up to date appraisal of magnetic activity. At the conclusion of each production flight raw GPS and magnetic data were transferred to the main field compilation computer.

5.4 FIELD COMPILATION SYSTEM

A field laptop computer was used for field data processing and presentation. The raw data was imported to Geosoft Oasis montaj for QA/QC and processing purposes. After the data was checked for quality control, the database with uncompensated magnetic readings was exported to QC Tools software package for magnetic compensation and base station data merging purposes. The compensated database was then imported back to Oasis for the subsequent and final processing.

6. PRE-SURVEY SPECTROMETER CALIBRATIONS

Pre-survey calibrations and testing of the RS-500 (SN 5503) airborne gamma-ray spectrometry system were carried out on August, 8th, 2010 (from White River lodge, YT), August 15th, 2010 (from Braeburn lodge, YT), and August 20th, 2010 (from Carmacks, YT). For these calibrations and tests, the survey aircraft (registration C-FFWH) was mobilized in survey configuration. The installed equipment and configurations were selected to conform to contract technical specifications.

Calibration of the spectrometer system is a vital process to airborne gamma-ray spectrometry. The calibration of the spectrometer system involved three tests:

- **Calibration Pad** measurements, which are used to determine the "spectral overlap" (Compton scattering) coefficients. The calibration test was performed within a 12 month period before the survey by the manufacturer (Radiation Solutions Inc.), at its headquarters location in Mississauga, Ontario.

- **Cosmic Flight Test**, which is used to determine the aircraft background values and cosmic coefficients for Mint, Nikki, Melody, and Corky was conducted on August 8th, 2010. The Cosmic Flight Test that was used to determine the coefficients for King and Mars was conducted on August 15th, 2010.

- **Height Attenuation Test**, which determined the altitude attenuation coefficients for Mint, Nikki, Melody, and Corky was conducted on August 8th, 2010 and the Height Attenuation Test used to determine the coefficients for King and Mars was conducted on August 15th, 2010.

6.1 ENERGY WINDOWS

The airborne radiometric technique requires measurement of count rates for specific energy regions or windows in the natural gamma-ray spectrum. The standard energy regions (in accordance with the International Atomic Energy Agency (IAEA) 323), and their corresponding channel limits are:

Table 6.1 Downward spectrometer energy windows

Designation	Energy Limit (keV)		Channel Limit (inclusive)	
			Unit Values	
	Lower	Upper	Lower	Upper
Total Count (TC)	410	2810	137	937
K	1370	1570	457	523
U	1660	1860	553	620
Th	2410	2810	803	937
U (upward)	1660	1860	553	620
Cosmic	3200	infinity		

6.2 CALIBRATION PAD TEST

The Compton stripping coefficients as provided by RSI are listed below:

Table 6.2 Compton Stripping coefficients

Stripping Ratios	Spectrometer (SN 5503)	"normal" values
Th into U (alpha = a23/a33)	0.284	0.250
Th into K (beta = a13/a33)	0.432	0.400
U into K (gamma = a12/a22)	0.771	0.810
U into Th (a = a32/a22)	0.039	0.060
K into Th (b = a31/a11)	-0.001	0
K into U (g = a21/a11)	0.001	0.003

6.3 COSMIC FLIGHT TEST

In each of the spectral windows, the radiation increases exponentially with height due to radiation of cosmic origin. As well, the aircraft itself contributes a constant background to the count rate. By completing a series of flights within the same region, over a range of altitudes, these background contributions can be determined.

6.3.1 SETUP AND MEASUREMENT PROCEDURE

1. A resolution check was completed at the aircraft base using a Thorium source prior to the cosmic test to insure the sensitivity and accuracy of the spectrometer.
2. Once the aircraft reached the desired altitude (first at ~8000 feet), survey data were recorded for approximately ten minutes.
3. Step 2 was then repeated at the following remaining altitudes: 9,000, 10,000, 11,000 and 12,000 feet above sea level.

Table 6.3 Cosmic Test data from August 8, 2010

	Cosmic Test Flight Data (average counts)					
Altitude (ft)	Cosmic	UU	K	U	Th	TC
8297	197	3	22	13	13	285
9292	228	4	23	14	15	356
10225	262	4	26	16	17	356
11334	310	5	26	16	17	400

Table 6.4 Cosmic Test data from August 15, 2010

	Cosmic Test Flight Data (average counts)					
Altitude (ft)	Cosmic	UU	K	U	Th	TC
7848	176	3	20	12	11	265
8914	203	3	23	13	13	338
9943	238	4	25	15	15	338
11117	381	4	27	17	19	383
12109	328	5	30	19	21	420

6.3.2 RESULTS FROM COSMIC FLIGHT TEST

At each altitude, the raw data for the five windows of interest (Th, K, U, TC, and U upward) were evaluated for quality. The mean values were then extracted and plotted against the cosmic background window (see Appendix A). The result is a linear trend, where the slope and intercept represent the cosmic stripping ratio and the aircraft background respectively. The results from the graphs are summarized below.

Table 6.5 Cosmic and Aircraft Background coefficients used ror Nikki, Mint, Corky and Meloy blocks

Cosmic Flight Test Result From August 8, 2010		
Element	Cosmic	Aircraft Background
K	0.0647	8.8788
U	0.0456	3.8854
Th	0.0617	0.8817
TC	1.10161	86.996
UU	0.016	0

Table 6.6 Cosmic and Aircraft Background coefficients used for King and Mars blocks

Cosmic Flight Test Result From August 15, 2010		
Element	Cosmic	Aircraft Background
K	0.0621	9.7817
U	0.0471	3.6567
Th	0.0646	0
TC	1.023	90.165
UU	0.0132	0.5736

6.4 ALTITUDE ATTENUATION TEST

The height attenuation of the spectrometer systems was calculated by flying a series of passes across a line over flat ground with uniform radioelement ground concentration. The test range was flown by acquiring data on a series of seven passes over a set path, at the following altitudes: 100, 150, 200, 250, 300, 400, 600, 800 and 1000 feet above ground.

6.4.1 RESULTS FROM ALTITUDE ATTENUATION TEST

The airborne data from the altitude attenuation test was checked for quality, edited and divided into lines, where each line represents a pass. The radiometric windows were then corrected for background (aircraft and cosmic) and stripped of Compton contributions. After averaging the data for each line, the four windows of interest (K, U, Th, and Total Count) were plotted against the altimeter in order to obtain the height attenuation. The results were obtained using an exponential regression, where the slope represents the attenuation coefficient and the 'y' intercept represents the counts at 0 feet (see Tables 6.7 and 6.8 and Appendix A).

Table 6.7 Height Attenuation coefficients from August 8, 2010: Nikki, Mint, Corky and Meloy blocks

Element	Altitude attenuation coefficients
K	-0.0071
U	-0.0084
Th	-0.0065
TC	-0.0056

Table 6.8 Height Attenuation coefficients from August 15, 2010: King and Mars blocks

Element	Altitude attenuation coefficients
K	-0.0072
U	-0.005
Th	-0.006
TC	-0.0056

6.5 RADON TEST STRIPS

On all survey flights, at least one radon normalization test was flown before or after data collection.

The test consists of the helicopter flying a designated test line at nominal survey altitude near each of the bases of operation: White River Lodge; Burwash Landing; and Braeburn Lodge.

All test line locations were selected in areas of flat and dry terrain, close to survey areas being flown. The tests consists of the pilot being guided using the iDAS navigation system, at fixed speed, and for approximately 5 minutes, to allow for adequate statistics to be collected.

Since no noticeable radon fluctuations were observed on any of the blocks, no test line corrections were applied to the data set.

6.6 RADIOELEMENT GROUND CONCENTRATIONS AND SYSTEM SENSITIVITIES

The radiometric ground concentrations were measured using a calibrated portable spectrometer (RSI-125) during the same time as the airborne altitude attenuation flights took place (i.e., August 8 and 15th, 2010). The sensor was positioned one meter above the soil and away from the operators' body in the vicinity of altitude attenuation test strip. Twenty-three 300-second measurements were taken over the length of the calibration range.

The resulting mean radiometric equivalent ground concentrations for the calibration range on August 8th, 2010 and August 15th, 2010 were as follows:

Table 6.9 Ground Concentrations from August 8th, 2010: Nikki, Mint, Corky and Meloy blocks

Radio Element	Ground Concentration	
Potassium	1.28	%
Equivalent Uranium	1.68	*ppm*
Equivalent Thorium	5.76	*ppm*
Total	41.54	nGy/h

Table 6.10 Ground Concentrations from August 15th, 2010: King and Mars blocks

Radio Element	Ground Concentration	
Potassium	1.61	%
Equivalent Uranium	2.4	*ppm*
Equivalent Thorium	6.14	*ppm*
Total	50.57	nGy/h

Using these ground concentrations and the altitude attenuation calibration flight data, the System Sensitivities were obtained:

$$S = N/C$$

Where:

- *S* is the sensitivity for each window
- *N* is the striped count rate in the window at the survey altitude (i.e, 35m)
- *C* is the respective ground radioelement concentration.

With the following results:

Table 6.11 Sensitivities @35m from August 8th, 2010: Nikki, Mint, Corky and Meloy blocks

	Sensitivities @ 35m
K	77.47 $cps/(\%)$
U	8.19 $cps/(ppm)$
Th	2.86 $cps/(ppm)$
TC	23.12 $cps/(nGy/h)$

Table 6.12 Sensitivities @35m from August 15th, 2010: King and Mars blocks

	Sensitivities @ 35m
K	86.7 $cps/(\%)$
U	6.08 $cps/(ppm)$
Th	3.75 $cps/(ppm)$
TC	23.17 $cps/(nGy/h)$

Note: Determining of radioelement ground concentrations and system sensitivities were not part of the singed agreement. Such data are made available to the client as a courtesy.

7. OPERATIONS AND PROCEDURES

7.1 FLIGHT PLANNING AND FLIGHT PATH

The block outline coordinates (section 2.0) were used to generate pre-calculated navigation files. The navigation files were used to plan flights at the designated traverse line spacing of 100 meters and control lines of 1000 meters.

Preliminary flight path maps and magnetic maps were plotted and updated, to monitor coverage of the survey area.

7.2 BASE STATION

Magnetic base stations were established in magnetically quiet areas in the vicinity of survey blocks.

For Mint and Nikki blocks: in the vicinity of White River Lodge at Latitude: 61.982645 deg.; Longitude: -140.531458 deg.

For Corky and Meloy: in the vicinity of Burwash Landing at Latitude: 61.358406 deg.; Longitude: -139.000274 deg.

For King and Mars: in the vicinity of Braeburn Lodge at Latitude: 61.481381 deg.; Longitude: -135.773504 deg.

The base station readings were monitored to ensure that the diurnal variation were within the peak-to-peak envelope of 20 nT from a long chord distance equivalent to a period of two minutes.

7.3 AIRBORNE MAGNETOMETERS

An FOM test of the performance of the CS-3 and fluxgate magnetometers was performed in order to monitor the ability of the system to remove the effects of aircraft motion on the magnetic measurement.

The FOM maneuvers consisted of a series of calibration lines flown at high altitude (10,000+ ft above sea level) to gain information in each of the required line directions. During this procedure, pitch, roll and yaw maneuvers were performed on the aircraft.

The following ranges were used:

Pitch: 10-15^{o}
Roll: 10-15^{o}
Yaw: 10-15^{o}

See Appendix B for the FOM results as flown on August 8th, August 13th, August 15th, and August 17th 2010 and were used to compensate the magnetic data.

7.4 THORIUM RESOLUTION TESTS

In order to monitor the resolution of the crystal pack, a daily a resolution test of the spectrometer was performed in RadAssist (RSX-5 spectrometer interface program) using ~2000 thorium background counts per crystal.

The results from the resolution tests were always found to be within the contract specifications (see Appendix D for the daily test results).

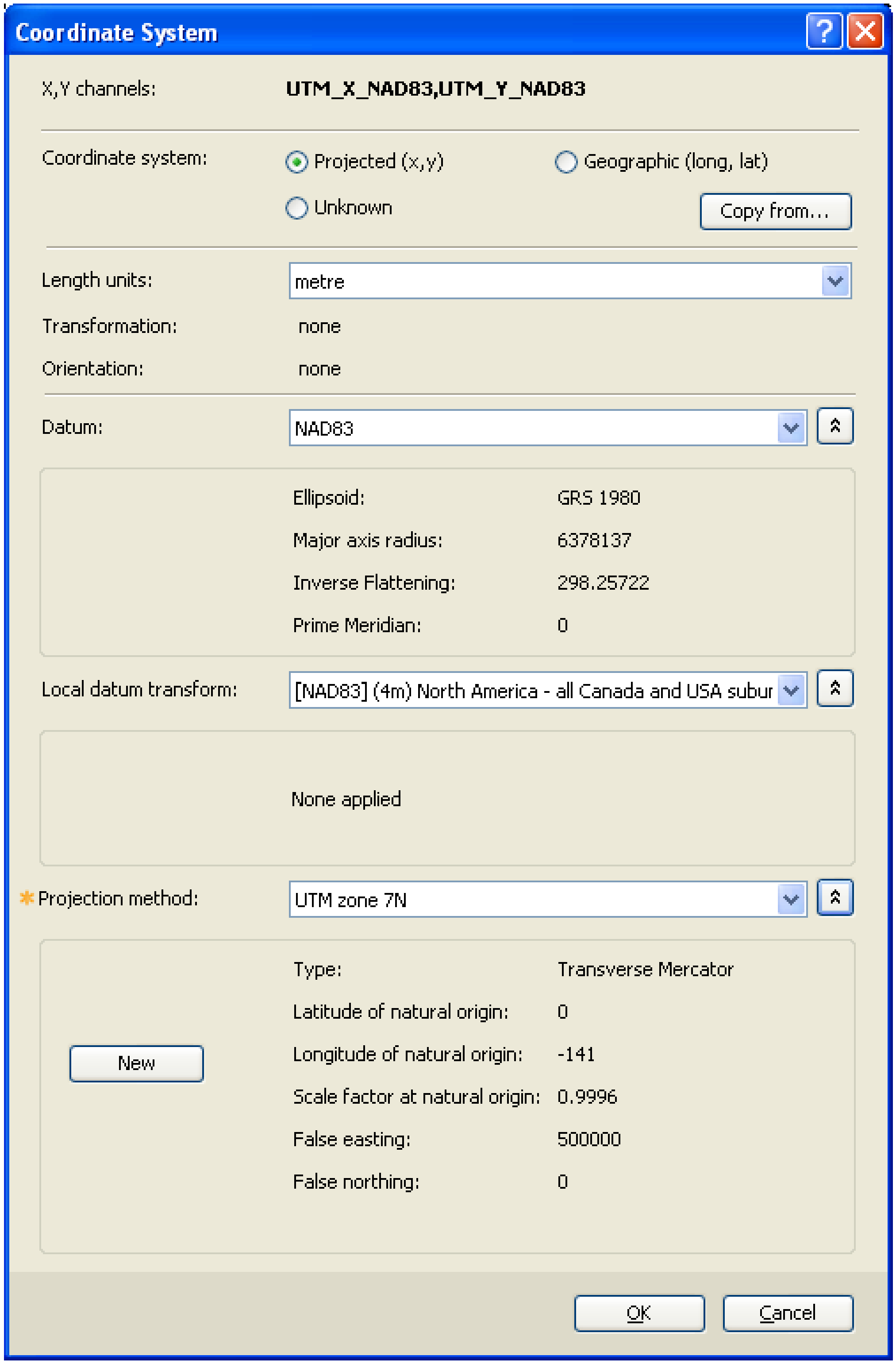
7.5 DATA COMPILATION

Data recorded by the airborne and base station systems was transferred to the field compilation system. As each flight was completed, the following compilation operations were carried out:

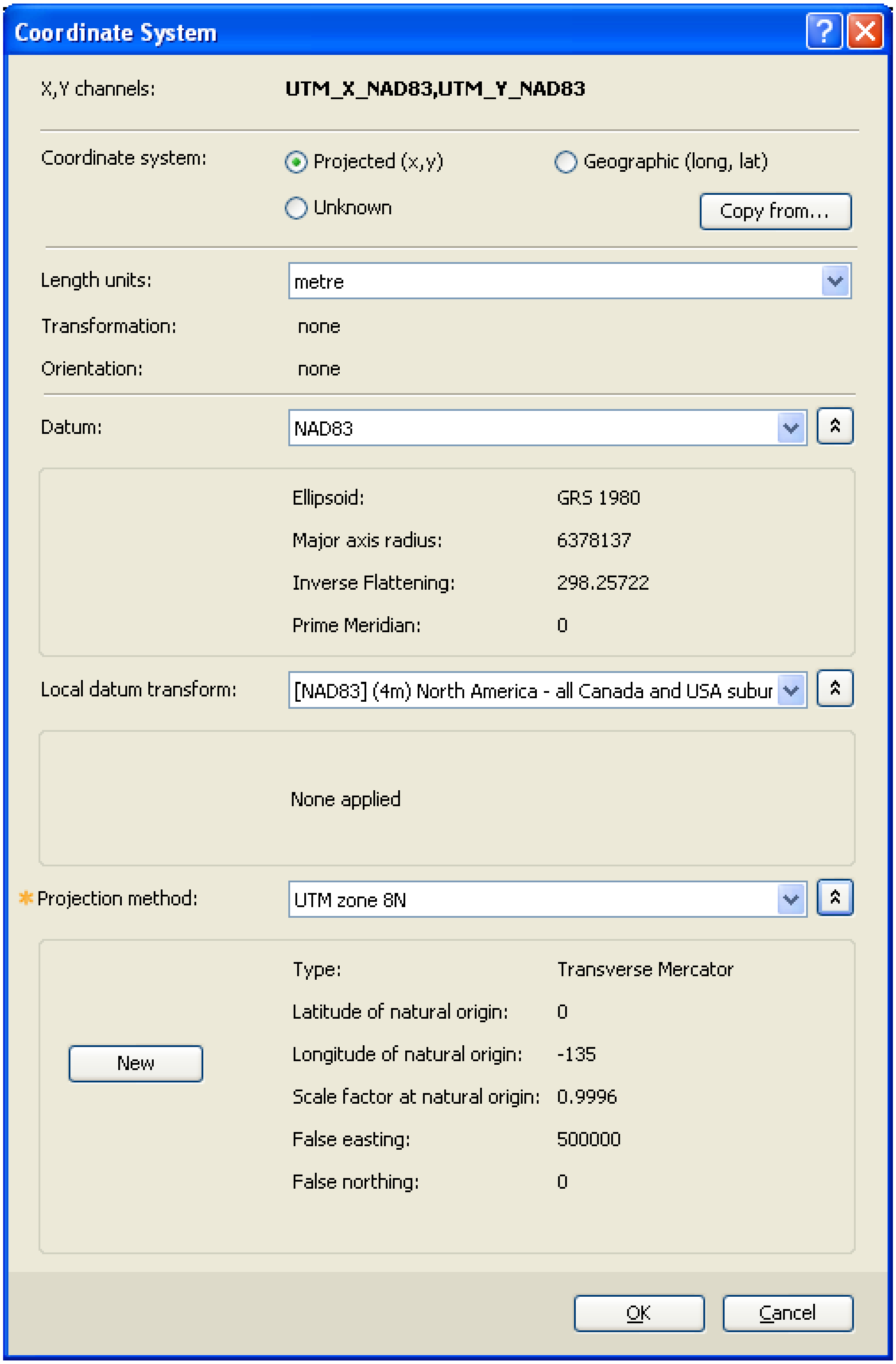
7.5.1 FLIGHT PATH CORRECTIONS

The navigational correction process yields a flight path expressed in WGS84, World and transformed to correspond to NAD83 UTM ZONE 7N, and ZONE 8N North America.

The following projection parameters were used for Mint, Nikki, Corky, and Meloy:



The following projection parameters were used for King and Mars:



All 1.0 Hz GPS records were linearly interpolated and resampled at 10 Hz (0.1 sec) intervals.

7.5.2 DIGITAL TERRAIN MODEL (DTM)

The DTM data were produced by first adjusting the GPS sensor height to that of the radar altimeter height (lowering GPS height by 2.1m). Next the radar altimeter channel (in meters) was subtracted from the GPS height data producing a raw DTM channel.

Due to changing satellite positions (constellation configuration) and varying atmospheric conditions, the receiver may measure slightly varying GPS heights line-to-line. In addition, due to rugged topography, the radar altimeter measures inaccurately when the helicopter is pitched forward position (example: approach a steep hill), as the radar beam would be directed away or down the slope. Because of these inherent errors, the raw DTM channel required leveling.

It was decided to apply a microlevelling technique to the raw DTM data developed by Paterson, Grant & Watson Limited and available through Geosoft Oasis montaj as miclev.GX extension (see Appendix F for full description of the procedure).

The following key microlevelling parameters were used:

Table 7.1 DTM microlevelling parameters per block

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (m)	Amplitude Limit Mode	Naudy Filter Limit
Mint	100	90	10	400	11.4	clip	0
Nikki	100	90	10	400	30.0	clip	0
Corky	100	90	10	400	3.97	clip	500
Meloy	100	0	10	400	8.8	clip	0
King	100	90	10	400	3.6	clip	0
Mars	100	132	10	400	7.0	clip	0

The final DTM data were stored under DTM channel name.

7.5.3 MAGNETIC CORRECTIONS

First the 50 Hz aeromagnetic data from Cesium 3 and fluxgate magnetometers were filtered with a 51 cosine anti-aliasing algorithm and re-sampled at 10 Hz. Then the magnetic data from the Cesium 3 magnetometer was compensated for permanent, induced, and eddy current magnetic noise generated by the aircraft using data from the fluxgate magnetometer. The compensated magnetic data were then stored in the MAG_COMP channel.

7.5.3.1 DIURNAL CORRECTIONS

The compensated magnetic data were adjusted to account for diurnal variations. When the magnetic variations recorded at the base station recognized to be caused by man-made sources, (such as equipment, vehicles passing by the sensor), they were removed and gaps interpolated.

Diurnal variations recorded by the base station were filtered with a 101-point low pass filter. The filtered data was then subtracted directly from the aeromagnetic measurements to provide a first order diurnal correction.

After base station removal, the total magnetic field values become very small. To bring the total magnetic measurements back to 'normal' values, project averages from the base station readings were added back to the magnetic data.

Table 7.2 Base Station project averages per block

Block Name	Average Readings (nT)
Mint	56316.36
Nikki	56293.73
Corky	56664.12
Meloy	56661.30
King	57363.36
Mars	57326.92

The resulting base station corrected data were stored in the MAG_DIURNAL_CORR channel.

7.5.3.2 LAG CORRECTIONS

There are two potential types of Lag offsets when collecting airborne data: time lag and distance lag.

NSG insures that there is no time lag in the data acquisition system by recording unique markers every 1-second based on the GPS time stamp (associated with the

EXACT change in GPS positioning). This information is used to realign (if necessary) the individual data records.

The distance lag is determined by dividing the distance from the GPS antenna to the sensor head by the averaged sample rate distance.

Table 7.3 Lag corrections

Block Name	Horizontal Distance From GPS Antenna to Sensor Head (m)	Average Sample Interval (m)	Lag Applied to Magnetic Data (records)
Mint	9.2	2.2	-4
Nikki	9.2	2.1	-4
Corky	9.2	2.2	-4
Meloy	9.2	1.9	-4
King	9.2	3.0	-3
Mars	9.2	2.9	-3

The lag corrections were applied to the MAG_DIURNAL_CORR channel and stored in the MAG_LAG_CORR channel.

7.5.3.3 HEADING CORRECTIONS

Optically pumped magnetic sensors have an inherent heading error, typically 1 to 2 nT peak-to-peak, as the sensor is rotated through 360 degrees. On flight line directions of the opposite heading, the affect is reasonably predictable.

Three heading test flights were flown at magnetically quite area at 10,000+ ft above sea level altitude on August 13th, 2010 (one) and August 15th, 2010 (two) with the following results:

Table 7.4 Heading Test flight results: August 13th, 2010

Direction (deg.)	Mean on line (nT)	Mean in direction (nT)	Mean on heading (nT)	Error (nT)
360				-4.64
0	57067.72	57067.43	57062.78	-4.64
0	57067.13			
180	57058.52	57058.14		4.64
180	57057.76			
90	57054.26	57054.22	57056.40	2.18
90	57054.17			
270	57058.32	57058.59		-2.19
270	57058.85			

Table 7.5 Heading Test flight results: August 15th, 2010 (N-S and E-W directions)

Direction (deg.)	Mean on line (nT)	Mean in direction (nT)	Mean on heading (nT)	Error (nT)
360				-4.60
0	57198.68	57198.60	57194.00	-4.60
0	57198.52			
180	57189.39	57189.41		4.60
180	57189.42			
90	57198.5	57200.04	57201.38	1.34
90	57201.58			
270	57201.86	57202.72		-1.34
270	57203.58			

Table 7.6 Heading Test flight results: August 15th, 2010 (42-132 deg. and 222-312 deg. dir.)

Direction (deg.)	Mean on line (nT)	Mean in direction (nT)	Mean on heading (nT)	Error (nT)
0				-3.33
42	57198.04	57197.12	57194.73	-2.39
42	57196.2			
222	57193.6	57192.34		2.39
222	57191.08			
132	57220.9	57217.54	57221.96	4.42
132	57214.18			
312	57228.03	57226.37		-4.41
312	57224.71			

The following heading corrections tables were constructed and applied to the data set:

Nikki, Mint, Corky and **Meloy** blocks:

```
/ Geosoft Heading Correction Table
/=   Direction:real:i
/=   Correction:real
/      Direction   Correction
     0      -4.64
     90     2.18
     180    4.64
     270    -2.19
     360    -4.64
```

King block:

```
/ Geosoft Heading Correction Table
/=   Direction:real:i
/=   Correction:real
/      Direction   Correction
     0      -4.60
     90     1.34
     180    4.60
     270    -1.34
     360    -4.60
```

Mars block:

```
/ Geosoft Heading Correction Table
/=   Direction:real:i
/=   Correction:real
/      Direction   Correction
     42      -2.39
     132      4.42
     222    2.39
     312    -4.42
     360    -3.33
```

The heading corrected magnetic data were stored in MAG_HEADING_CORR channel.

7.5.3.4 IGRF CORRECTIONS

The total field strength of the International Geomagnetic Reference Field (IGRF, 2010 model) was calculated for every data point, based on the spot values of Latitude, Longitude and altitude. This IGRF was removed from the measured survey data on a point-by-point basis from the lag corrected channel.

After IGRF correction the total magnetic field values become negative. To bring the total magnetic measurements back to 'normal' values an average of IGRF values based on the whole project were added back to the magnetic data.

Table 7.7 IGRF averages per block

Block Name	Average Readings (nT)
Mint	56840.8
Nikki	56896.1
Corky	56884.2
Meloy	57033.5
King	57314.1
Mars	57346.2

The IGRF corrections were applied to the MAG_HEADING_CORR channel and stored in the MAG_IGRF_CORR channel.

7.5.3.5 LEVELING CORRECTIONS

After the data were corrected for IGRF, a survey traverse/control line intercepts array/matrix (i.e., Simple Leveling) was created for determining differences in magnetic field at the intersection points. Somewhat rugged terrain of the survey blocks, which resulted in some line-to-line difference in altitude, and relatively strong magnetic anomalies made magnetic signal at some Traverse/Control line intersection points quite different. As a result, some of those intersection points needed to be manually adjusted in order to reduce line-to-line magnetic differences.

The resulting simple leveled magnetic data were stored in MAG_SIMPLE_LVL channel.

Further it was decided to apply microlevelling techniques to the conventionally leveled magnetic data for Mint, Meloy and Mars blocks only (see Appendix F for full description of the procedure).

The following key parameters were used:

Table 7.8 Total Magnetic Intensity (TMI) microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
Mint	100	90	10	400	43.0	clip	100
Meloy	100	0	10	400	8.0	clip	100
Mars	100	132	10	400	32.0	clip	100

The resulting microleveled channels for Mint, Meloy and Mars blocks were stored in MAG_MICLEV channel.

The final Total Magnetic Intensity (TMI) data were stored in TMI_FINAL channel. Note, for the Mint, Meloy and Mars blocks, TMI_FINAL is copied directly from MAG_MICLEV channel; for the Nikki, Corky and King blocks, TMI_FINAL is copied directly from MAG_SIMPLE_LVL channel.

7.5.4 VERTICAL DERIVATIVE

A 1-st Order Vertical Derivative (VDV) data were calculated using 2D FFT2 algorithm based on final TMI grids. The resulting VDV grids were then sampled back to the database.

The VDV data were stored under VDV channel.

7.5.5 GRIDDING

All the magnetic (TMI & VDV) and DTM grids were produced from the corresponding TMI_FINAL, VDV and DTM channels.

The data were gridded using a bi-directional line gridding method with a grid cell size of 15 meters, Akima interpolation method for across and down line spline and trend angles perpendicular to those of traverse line directions.

7.5.6 RADIOMETRIC DATA CORRECTIONS

7.5.6.1 LIVE TIME CORRECTIONS

The spectrometer uses the notion of “live time” to express the relative period of time the instrument was able to register new pulses per sample interval.

The live time correction is applied to the total count, potassium, uranium, thorium and upward uranium channels.

The formula used to apply the correction is as follows:

$$C_{LT} = C_{raw} \times \left(\frac{1000}{LT} \right)$$

Where:

- C_{LT} is the live time corrected channel
- C_{raw} is the raw channel
- LT is the Live Time channel

7.5.6.2 PRE-FILTERING

The cosmic channel data were processed with a 15-point low pass filter to remove spikes.

The radar altimeter channel while recorded at 50Hz was filtered with 21-point COSINE filter and then sampled to 1Hz.

7.5.6.3 AIRCRAFT AND COSMIC BACKGROUND

Aircraft background and cosmic stripping corrections (see section 6.3.2) were applied to the live corrected total count, potassium, uranium, thorium and upward uranium channels using the following formula:

$$C_{ac} = C_{LT} - (ac + bc \times cof)$$

Where:

- C_{ac} is the background and cosmic corrected channel
- C_{LT} is the live time corrected channel
- ac is the aircraft background for this channel
- bc is the cosmic stripping coefficient for this channel
- cof is the filtered cosmic channel

All negative counts after this correction step were replaced with zeroes.

7.5.6.4 RADON CORRECTION

No Radon corrections were applied to the data.

7.5.6.5 COMPTON STRIPPING

Following the background and cosmic corrections the potassium, uranium and thorium were corrected for spectral overlap (see section 6.2). First the stripping ratios α, β, and χ were modified according to altitude. Then an adjustment factor based on the reversed stripping ratio (a), uranium into thorium, was calculated.

$$\alpha h = \alpha + hef \times 0.00049$$
$$\beta h = \beta + hef \times 0.00065$$
$$\chi h = \chi + hef \times 0.00069$$

Where:

- α, β, χ are the Compton stripping coefficients
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- hef is the height above ground in meters

The stripping corrections are then carried out using the following formulas:

$$ar = \frac{1}{1 - a\alpha h}$$

$$Th_c = (Th_{bc} - aU_{rc}) \times ar$$

$$U_c = (U_{rc} - Th_{bc}\alpha h) \times ar$$

$$K_c = K_{bc} - \beta h Th_c - \chi h U_c$$

Where:

- U_c, Th_c, and K_c are corrected Uranium, Thorium and Potassium
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- U_{bc}, Th_{bc}, and K_{bc} are background and cosmic corrected Uranium, Thorium and Potassium
- ar is the backscatter correction
- a is the reverse stripping ratio U into Th

All negative counts after this correction step were replaced with zeroes.

7.5.6.6 EQUIVALENT HEIGHT AT STP

The following formula was used to calculate Equivalent Height at STP:

$$H_e = H \times \left(\frac{273.15}{T + 273.15} \right) \times \left(\frac{P}{1013.25} \right)$$

Where:

- H is the observed height
- H_e is the equivalent height at STP
- T is the temperature in degrees Celsius
- P is the barometric pressure in mbar.

7.5.6.7 ATTENUATION CORRECTIONS

The Total Count, Potassium, Uranium and Thorium data were then corrected to a nominal survey altitude of 35m (see section 6.4.1) using the following equation:

$$C_a = C \times e^{-\mu(h_0 - h_e)}$$

Where:

- C_a is the output altitude corrected channel
- C is the input channel
- μ is the attenuation correction for that channel
- h_e is the STP height
- h_0 is the nominal survey altitude

The altitude attenuation corrected data were then stored in U_CORR, Th_CORR, K_CORR and TC_CORR channels.

7.5.6.8 LEVELING OF ATTENUATION CORRECTED DATA

Microleveling techniques were applied to specific altitude attenuation corrected elements (i.e., some or all of K, Th, U and Total Count) on all of the survey blocks with the exception of Corky.

The following key parameters were used (see Appendix F for full description of the procedure).

Table 7.9 Uranium microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
Mint	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nikki	100	90	20	400	1.3	clip	100
Corky	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meloy	100	0	20	400	2.2	clip	100
King	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mars	100	132	20	400	1.7	clip	0

Table 7.10 Thorium microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
Mint	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nikki	100	90	20	400	1.2	clip	100
Corky	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meloy	100	0	20	400	2.6	clip	100
King	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mars	100	132	20	400	7.0	clip	0

Table 7.11 Potassium microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
Mint	100	90	20	400	8.2	clip	0
Nikki	100	90	20	400	10.4	clip	100
Corky	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meloy	100	0	20	400	21.0	clip	100
King	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mars	100	132	20	400	13.0	clip	0

Table 7.12 Total Count microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
Mint	100	90	20	400	23.7	clip	0
Nikki	100	90	20	400	100.0	clip	0
Corky	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meloy	100	0	20	400	180.0	clip	0
King	100	90	20	400	35.7	clip	0
Mars	100	132	20	400	150.0	clip	0

The resulting microleveled altitude attenuation corrected line data were then stored in the final U_FINAL_CORR, Th_FINAL_CORR, K_FINAL_CORR and TC_FINAL_CORR channels. Note, in the instances where no microlevelling was applied, the data in the final channels were copied directly from U_ CORR, Th_ CORR, K _CORR and TC _CORR.

7.5.6.9 CONVERSION TO APPARENT RADIOELEMNT CONCENTRATIONS

The next step is to convert the corrected potassium (K_FINAL_CORR channel), uranium (U_FINAL_CORR channel) and thorium (Th_FINAL_CORR channel) to apparent radioelement concentrations (see section 6.6) using the following formula:

$$eE = C_{cor}/s$$

Where:

- eE is the element concentration $K_{\%}$ and equivalent element concentration of U_{ppm} & Th_{ppm}
- s is the experimentally determined sensitivity
- C_{cor} is the fully corrected channel

The resulting apparent concentration data were stored in K_Percent, eU and eTh channels.

Note: Determining of apparent radioelement concentrations were not part of the singed agreement. Such data are made available to the client as a courtesy.

7.5.6.10 AIR ABSORPTION DOSE RATE

Finally the natural air absorption dose rate was determined using the following formula:

$$E = 13.078 \times K_{\%} + 5.675 \times eU_{ppm} + 2.494 \times eTh_{ppm}$$

Where:

- E is the air absorption rate (nGy/h)
- $K_{\%}$ is the concentration of potassium (%)
- eU_{ppm} is the equivalent concentration of potassium (ppm)
- eTh_{ppm} is the equivalent concentration of potassium (ppm)

The resulting natural air absorption rate data were stored in E channel.

Note: Determining of the absorption rate was not part of the singed agreement. Such data are made available to the client as a courtesy.

A detailed description of how most of the procedures, formulae and constants were determined could be found in:

I.A.E.A. *Report, Airborne Gamma Ray Spectrometer Surveying*, Technical Report Series No. 323, 1991.
and
I.A.E.A *Guidelines for Radioelement Mapping Using Gamma Ray Spectrometry Data*, Technical Document No. 1363, 2003.

7.5.6.11 GRIDDING

All the radiometric grids are in counts/sec units and were produced from U_FINAL_CORR, Th_FINAL_CORR, K_FINAL_CORR and TC_FINAL_CORR channels.

The data were gridded using a bi-directional line gridding method with a grid cell size of 25 meters, Akima interpolation method for across and down line spline and trend angles perpendicular to those of traverse line directions.

7.5.6.12 TERNARY MAP

The radioelement ternary map was produced by creating individual grids for each of the three radioelements (potassium, thorium and uranium), then assigning a specific colour to each. Cyan represents thorium, yellow uranium, and magenta potassium. The relative concentrations of the radioelements are represented by the blends of the three colours.

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8. MAP PRODUCTS AND DIGITAL DATA DELIVERABLES

The following is the list of items delivered to **STRATEGIC METALS Ltd.**

Hard Copy Maps for Nikki, Mint, Corky, Meloy, King and Mars Blocks @ 1:20,000 scale (x2):

- Maps of Total Magnetic Intensity
- Maps of 1st order Vertical Derivative
- Maps of Digital Terrain Model
- Maps of Ternary Image (Th, U and K)
- Maps of Potassium counts
- Maps of Thorium counts
- Maps of Uranium counts
- Maps of Total Count

Hard Copy Logistics Report (x2):

Digital Copy (DVD) Maps for Nikki, Mint, Corky, Meloy, King and Mars Blocks @ 1:20,000 scale (x2):

- Maps of Total Magnetic Intensity
- Maps of 1st order Vertical Derivative
- Maps of Digital Terrain Model
- Maps of Potassium counts
- Maps of Thorium counts
- Maps of Uranium counts
- Maps of Total Count
- Ternary Map of Th, U and K

Digital Copy Grids (DVD) for Nikki, Mint, Corky, Meloy, King and Mars Blocks (x2):

- Grids of Total Magnetic Intensity (nT)
- Grids of 1st order Vertical Derivative (nT/m)
- Grids of Digital Terrain Model (m above MSL)
- Grids of Potassium (counts/sec)
- Grids of Thorium (counts/sec)
- Grids of Uranium (counts/sec)
- Grids of Total Count (counts/sec)

Digital Copy (DVD) Databases for Nikki, Mint, Corky, Meloy, King and Mars Blocks (x2):

- Magnetics data databases: MAGNETIC_ *blockname* _BK.gdb (See Appendix C for details)
- Radiometric data database: RADIOMETRIC_ *blockname* _BK.gdb (See Appendix C for details)

Digital Copy (DVD) Logistics Report (x2):

Digital Copy (DVD) Weekly and Line Report (x2):

9. SUMMARY

This report describes the logistics of the survey, equipment used, field procedures, data acquisition and presentation of results.

The various maps included with this report display the magnetic and radiometric properties of the survey area. It is recommended that the survey results be reviewed in detail, in conjunction with all available geophysical, geological and geochemical information.

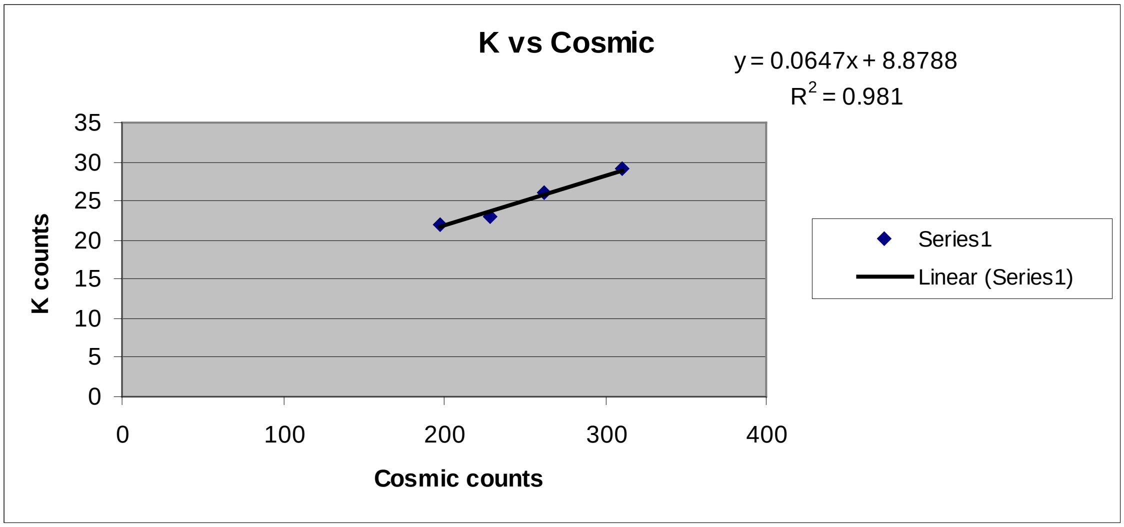
Further processing of the data may enhance subtle features that can be of importance for exploration purposes.

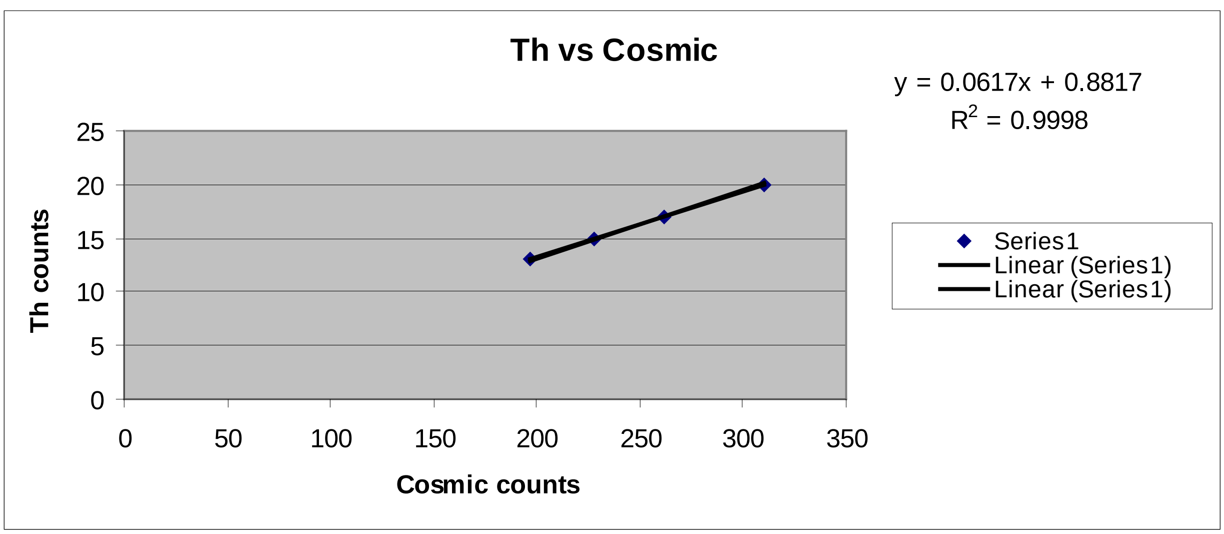
Respectfully submitted,

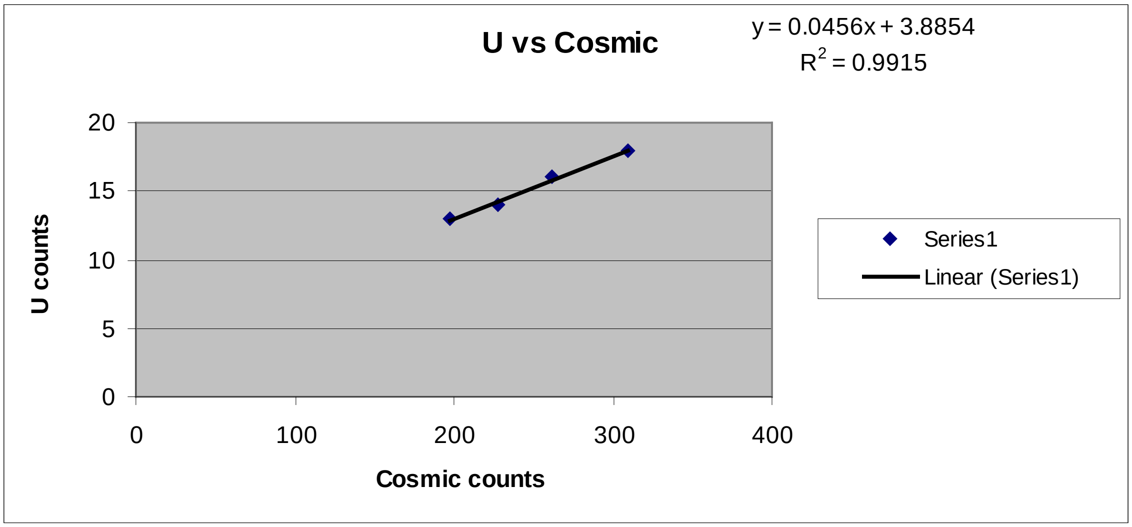
Andrei Yakovenko
New-Sense Geophysics Ltd.
Date: October 5th, 2010

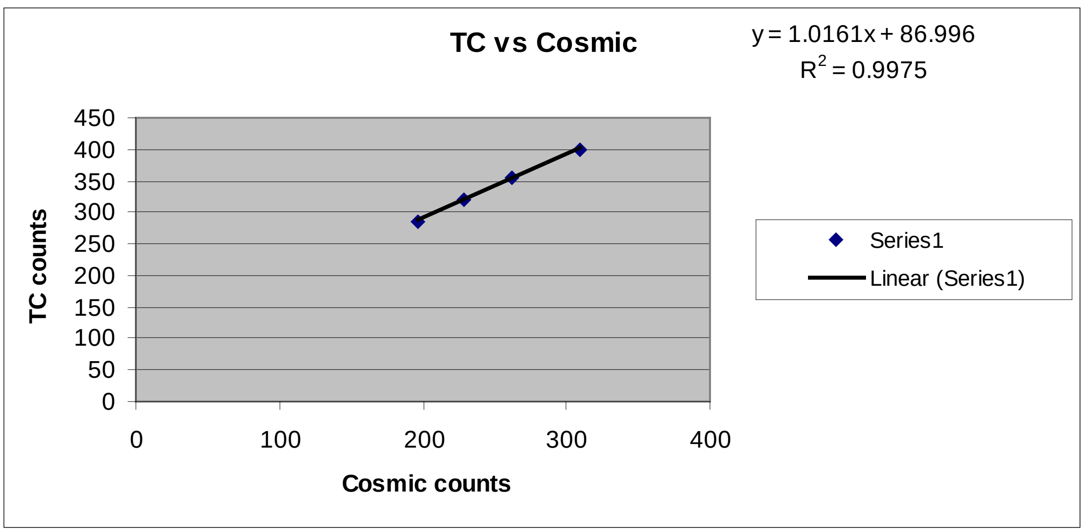
APPENDIX A: BACKGROUND AND COSMIC TESTS CHARTS

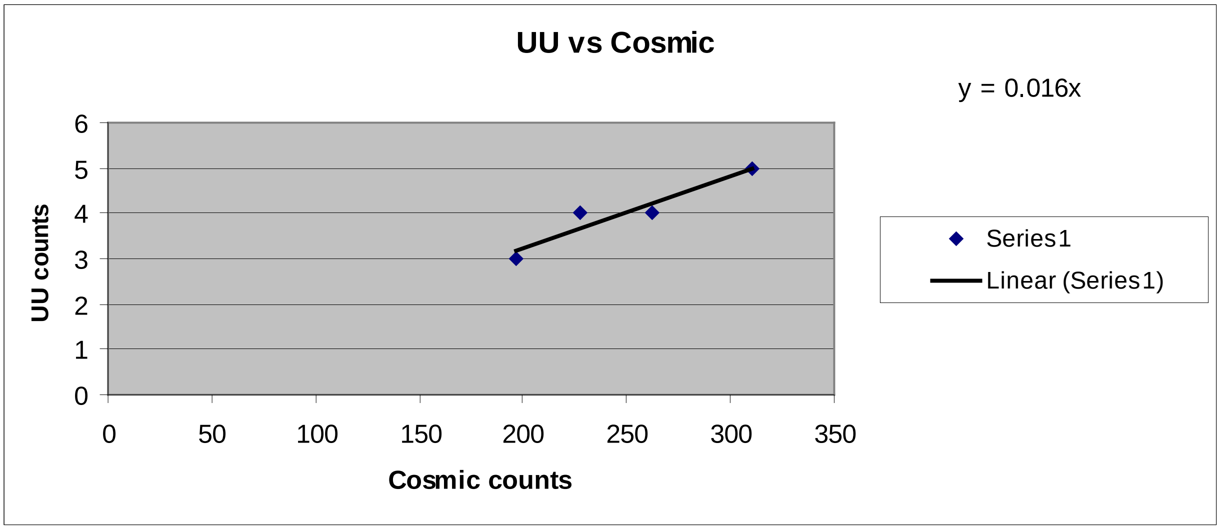
August 8, 2010



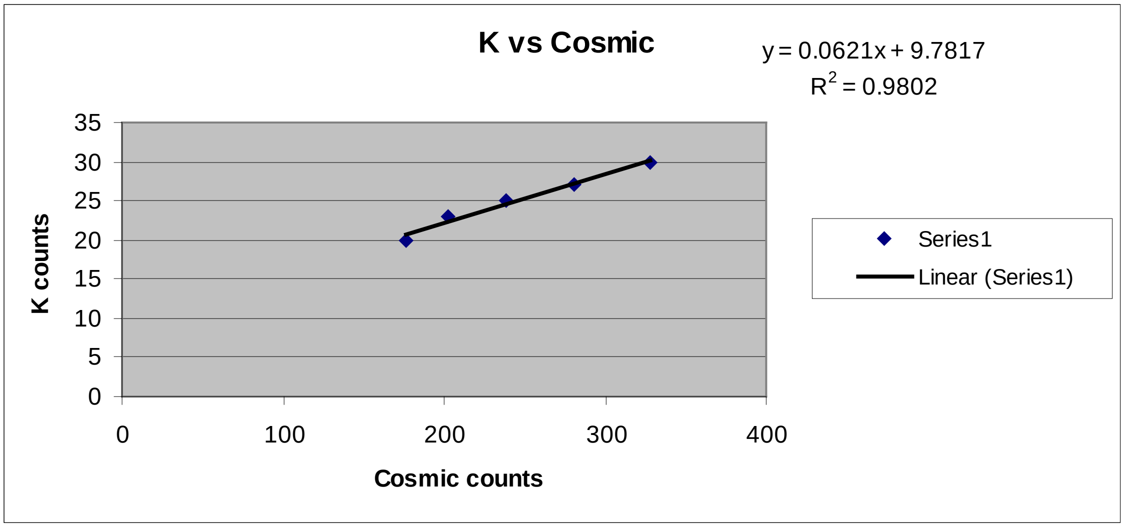


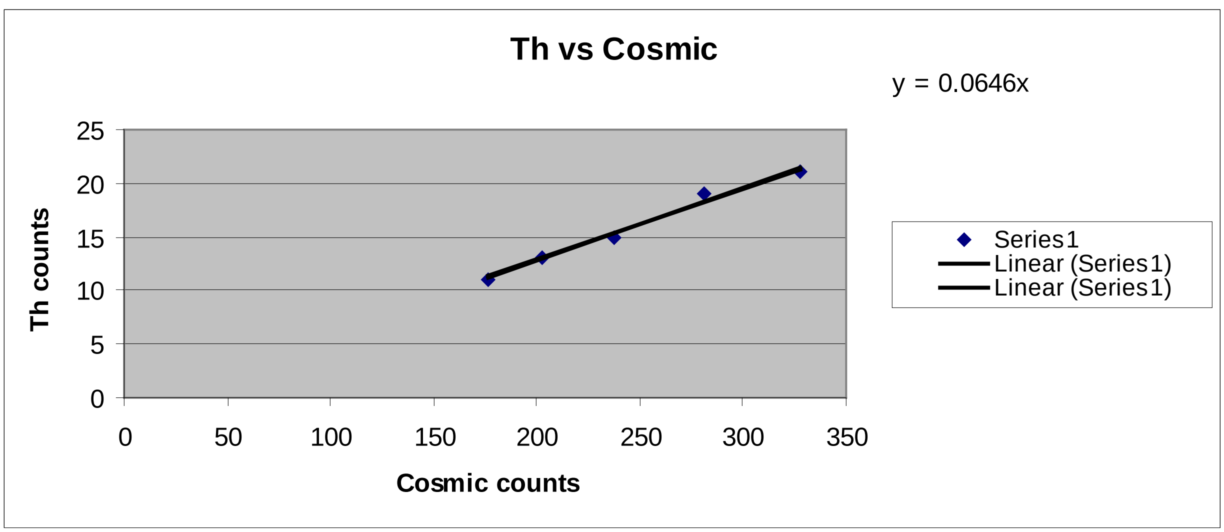

U vs Cosmic
y = 0.0456x + 3.8854
R2 = 0.9915
U counts
Cosmic counts
0
5
10
15
20
0
100
200
300
400
Series1
Linear (Series1)

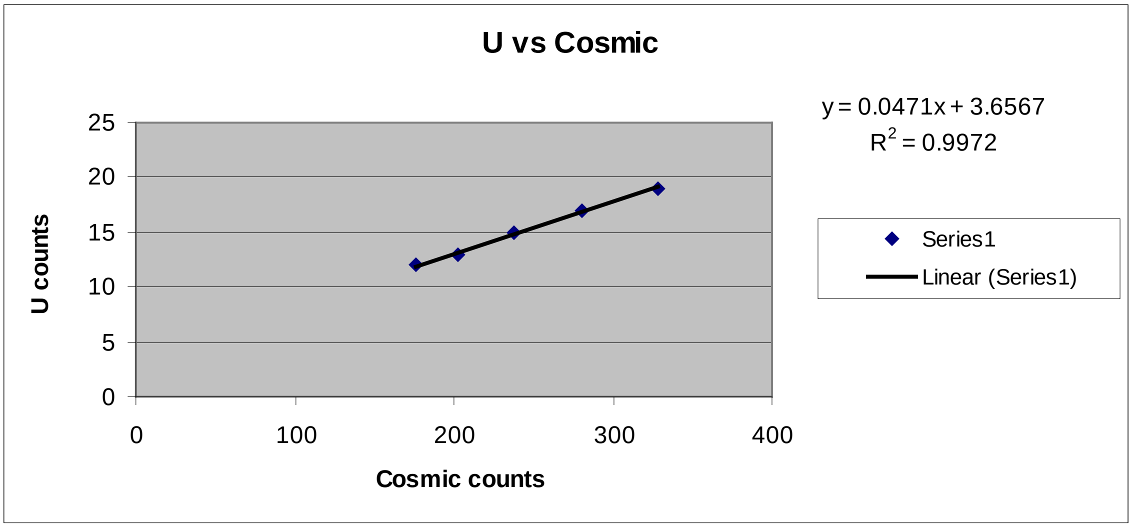

TC vs Cosmic
y = 1.0161x + 86.996
R2 = 0.9975
TC counts
Cosmic counts
0
50
100
150
200
250
300
350
400
450
0
100
200
300
400
Series1
Linear (Series1)

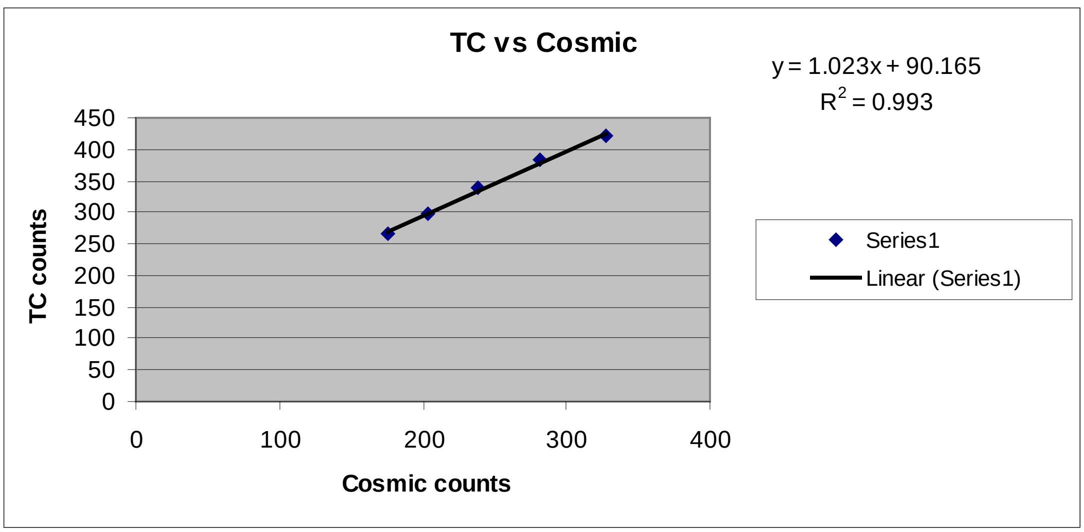

UU vs Cosmic
y = 0.016x
UU counts
Cosmic counts
Series1
Linear (Series1)
0
1
2
3
4
5
6
0
50
100
150
200
250
300
350

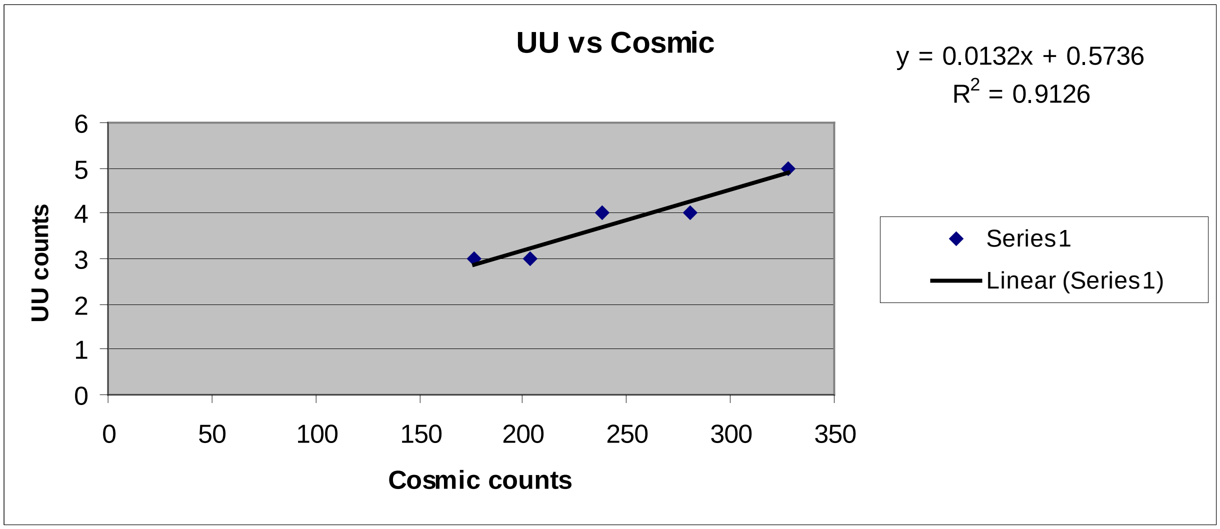
August 15, 2010





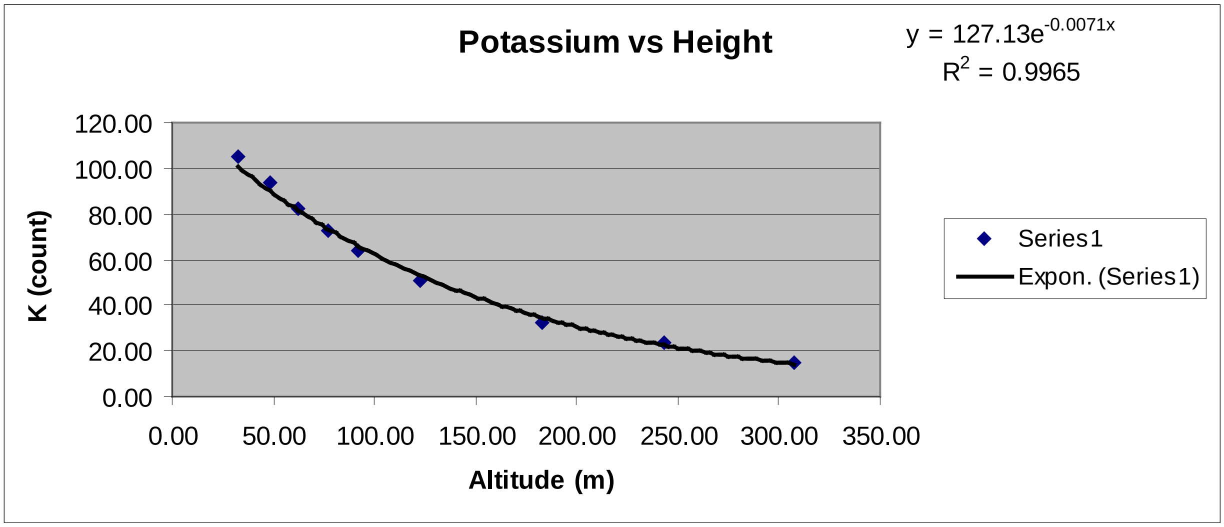

U vs Cosmic
y = 0.0471x + 3.6567
R2 = 0.9972
Series1
Linear (Series1)
U counts
25
20
15
10
5
0
0
100
200
300
400
Cosmic counts

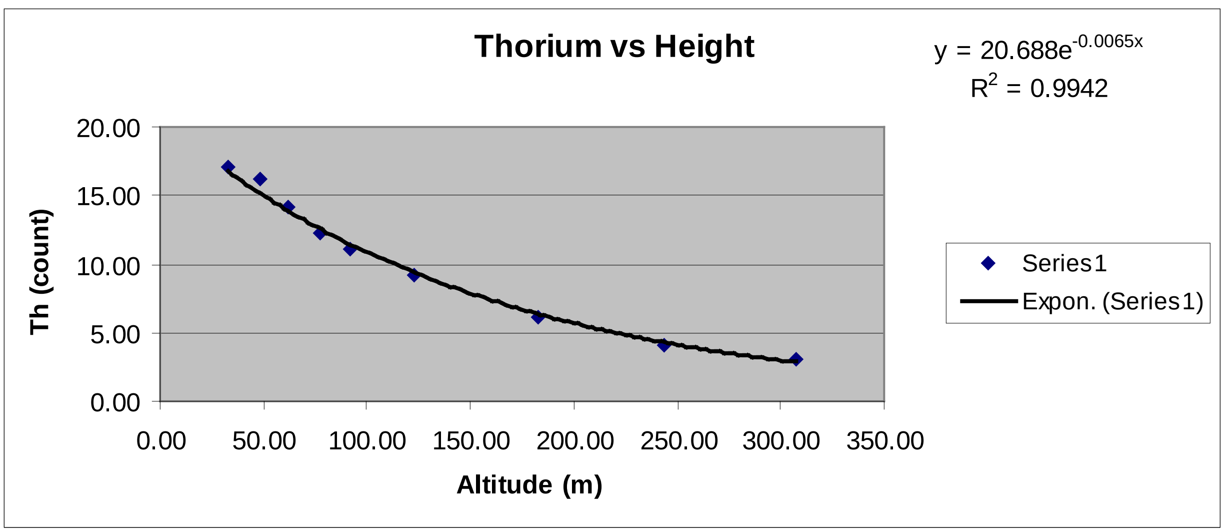

TC vs Cosmic
y = 1.023x + 90.165
R2 = 0.993
Series1
Linear (Series1)
TC counts
450
400
350
300
250
200
150
100
50
0
0
100
200
300
400
Cosmic counts

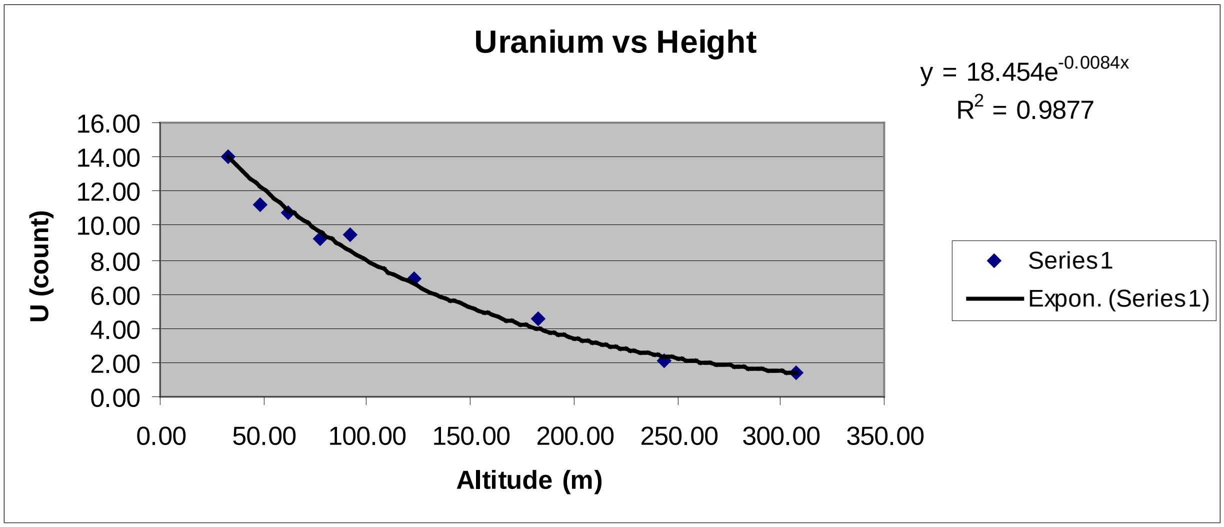

UU vs Cosmic
y = 0.0132x + 0.5736
R2 = 0.9126
UU counts
0
1
2
3
4
5
6
0
50
100
150
200
250
300
350
Cosmic counts
Series1
Linear (Series1)

Height Attenuation Test Charts

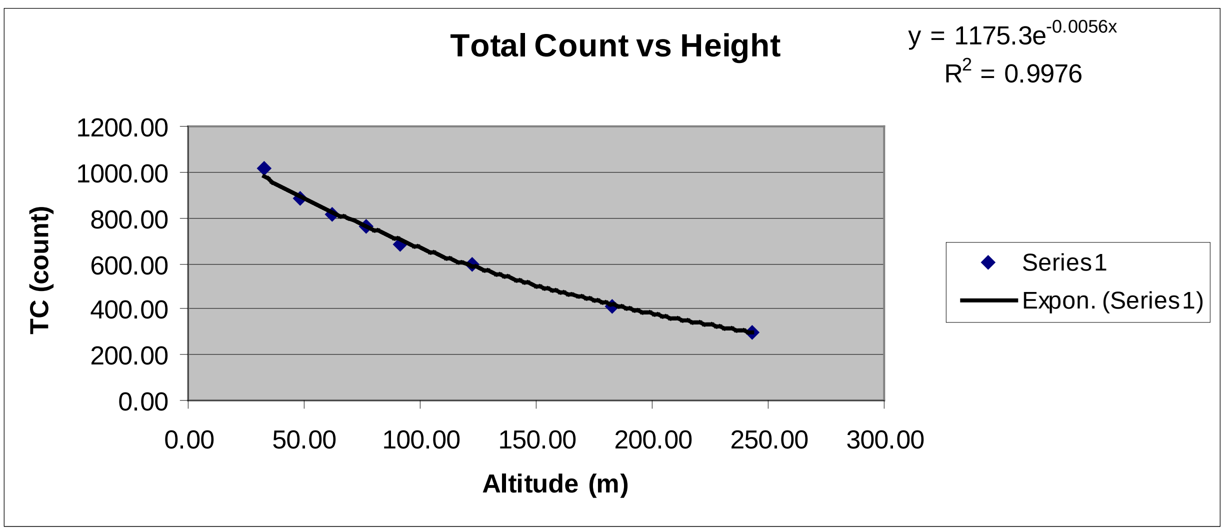
August 8, 2010



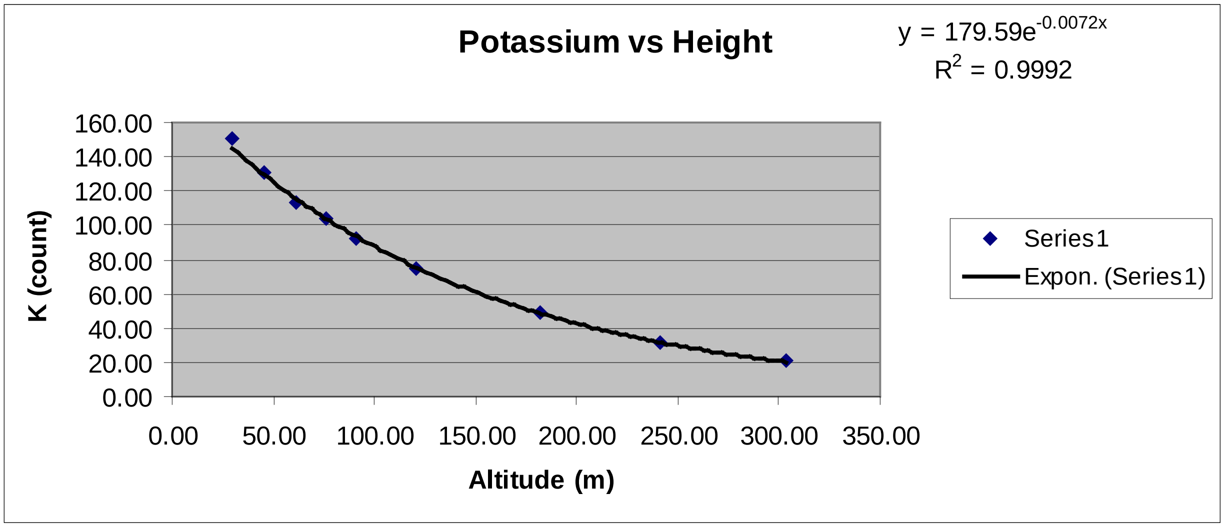


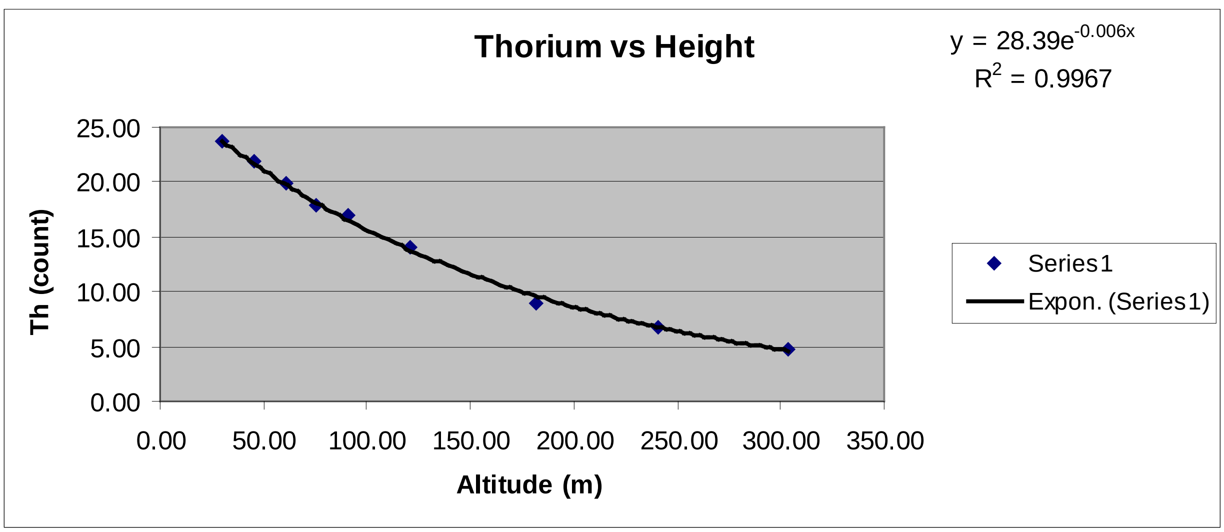


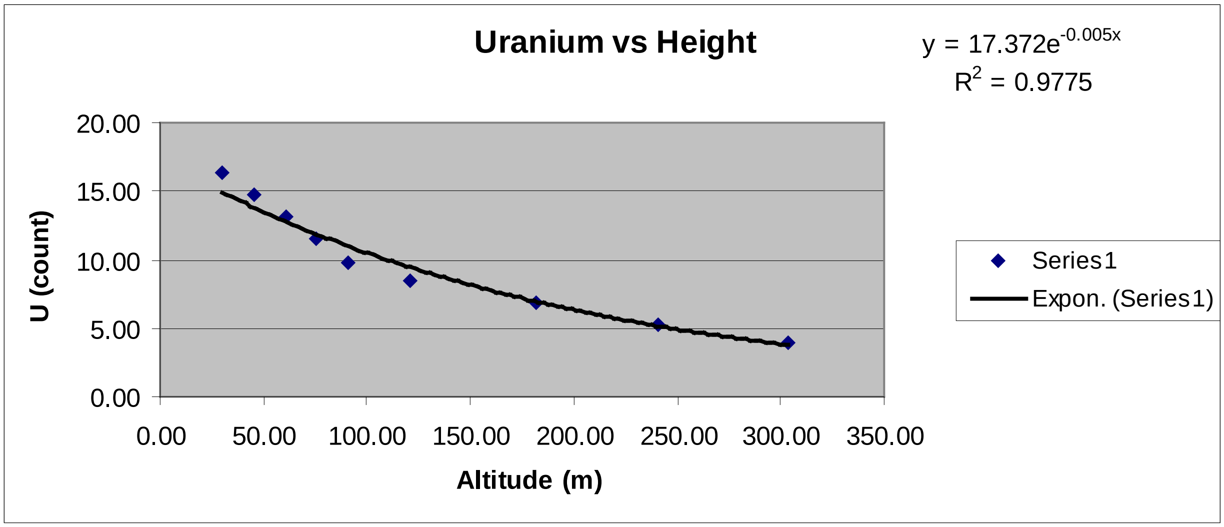
Uranium vs Height
y = 18.454e-0.0084x
R2 = 0.9877
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
U (count)
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
Altitude (m)
Series1
Expon. (Series1)

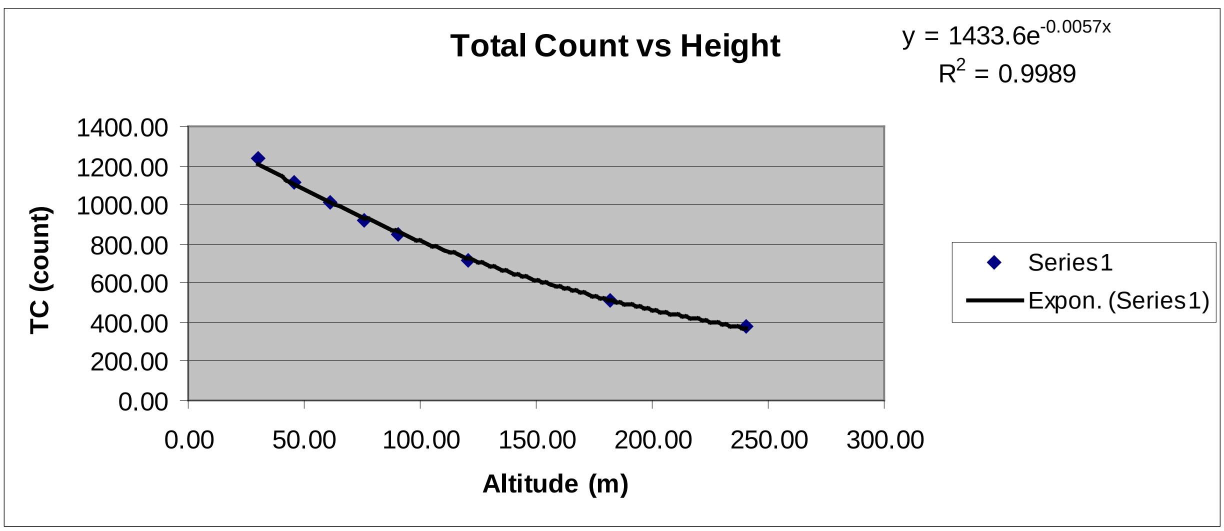


Total Count vs Height
y = 1175.3e-0.0056x
R2 = 0.9976
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
TC (count)
0.00
50.00
100.00
150.00
200.00
250.00
300.00
Altitude (m)
Series1
Expon. (Series1)


Potassium vs Height
y = 179.59e^-0.0072x
R2 = 0.9992
K (count)
Altitude (m)
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
Series1
Expon. (Series1)

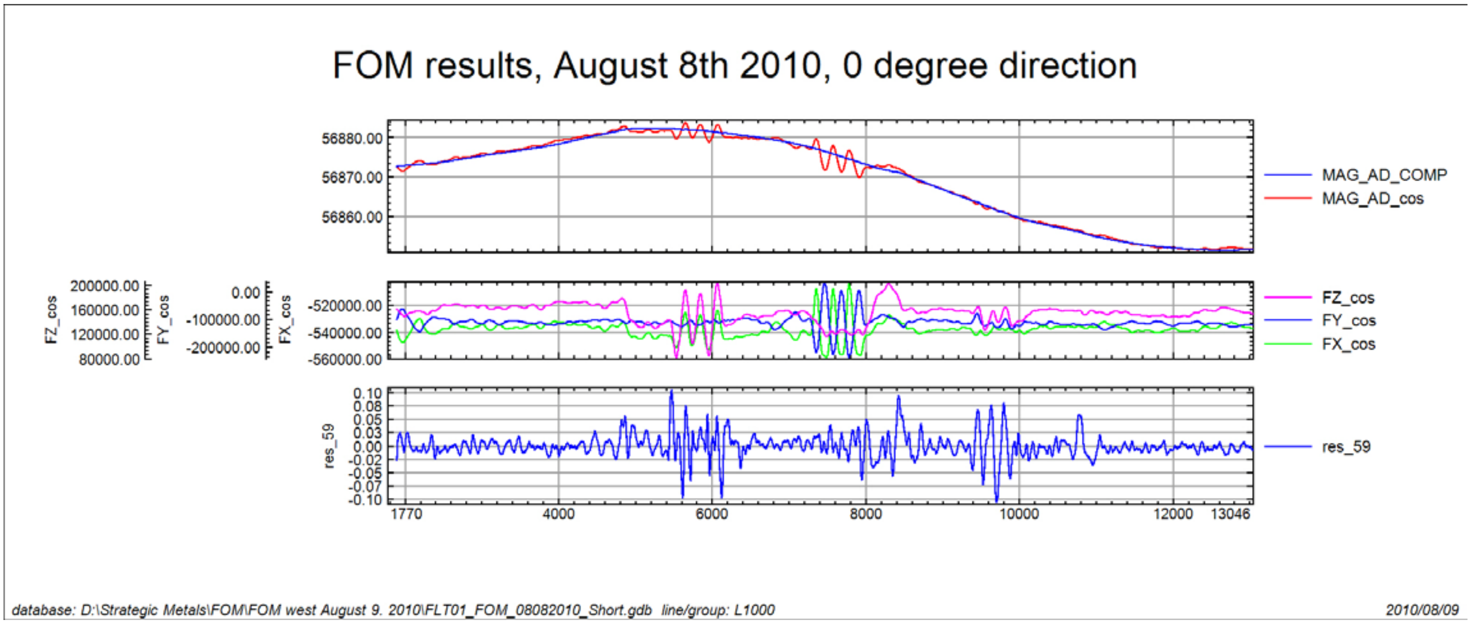

Thorium vs Height
y = 28.39e^-0.006x
R2 = 0.9967
Th (count)
Altitude (m)
0.00
5.00
10.00
15.00
20.00
25.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
Series1
Expon. (Series1)

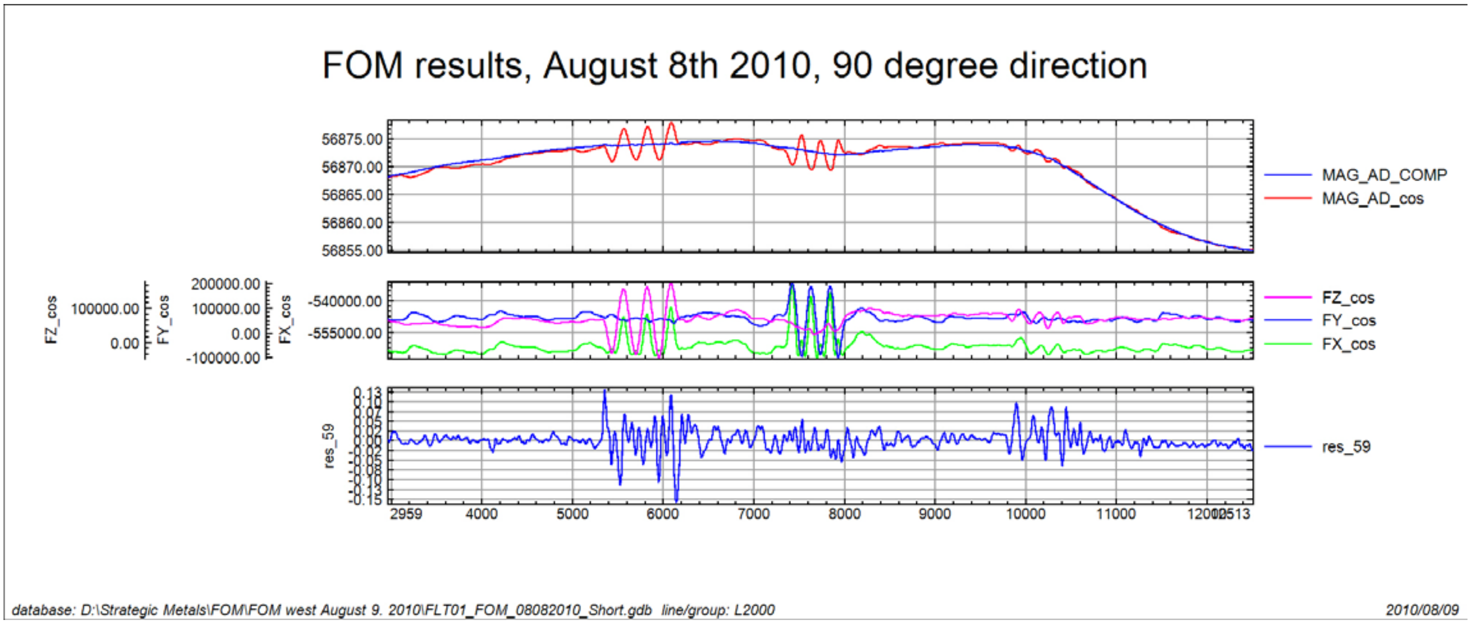

Uranium vs Height
y = 17.372e-0.005x
R2 = 0.9775
20.00
15.00
10.00
5.00
0.00
U (count)
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
Altitude (m)
Series1
Expon. (Series1)

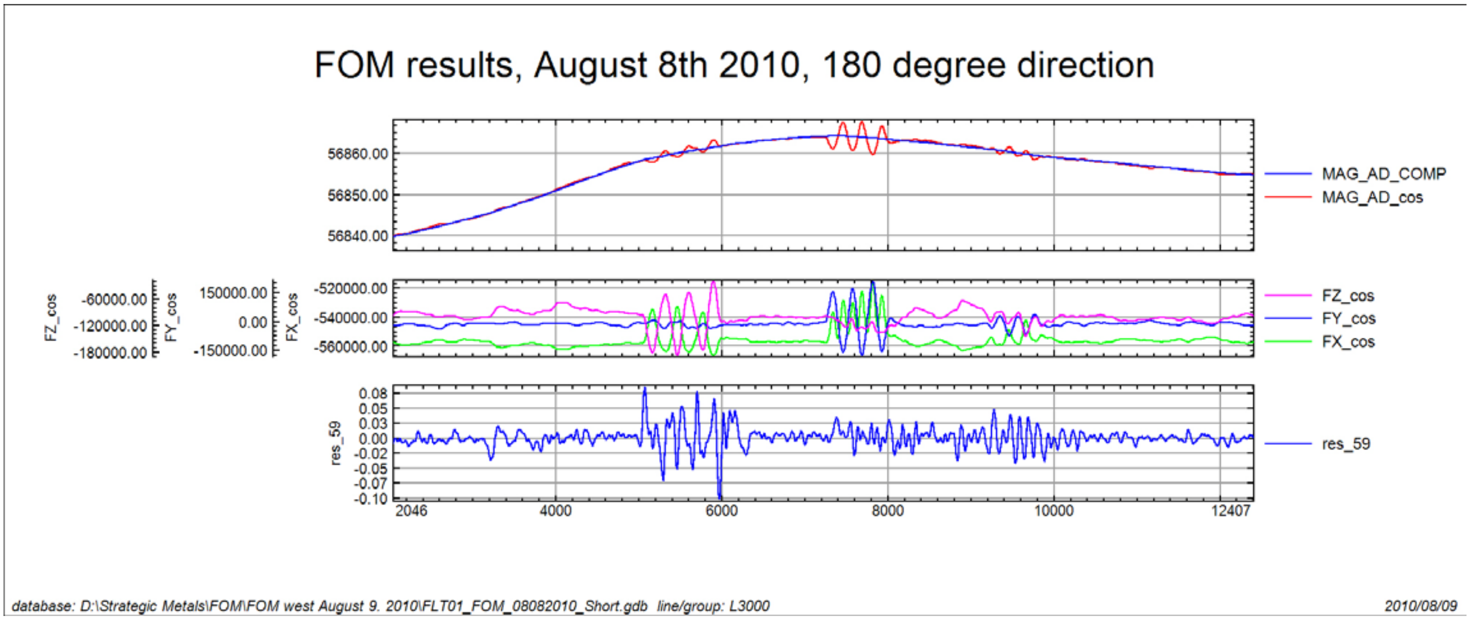

Total Count vs Height
y = 1433.6e-0.0057x
R2 = 0.9989
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
TC (count)
0.00
50.00
100.00
150.00
200.00
250.00
300.00
Altitude (m)
Series1
Expon. (Series1)

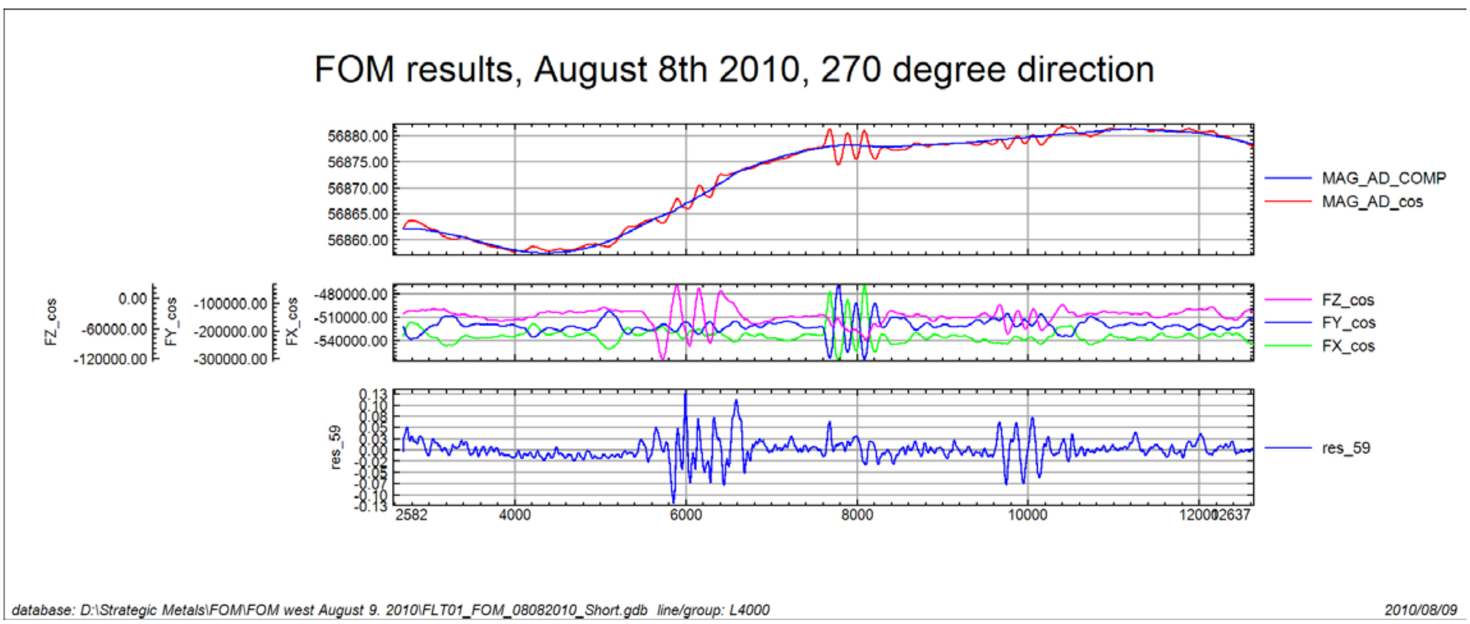
APPENDIX B: FOM RESULTS

Strategic Metals, Yukon, FOM result, August 8th, 2010					
line	**direction**	**pitch**	**roll**	**yaw**	**total**
1000	**0**	0.175	0.113	0.183	0.470
2000	**90**	0.275	0.075	0.150	0.500
3000	**180**	0.163	0.050	0.075	0.288
4000	**270**	0.200	0.075	0.135	0.410
	total	0.813	0.313	0.543	**1.668**

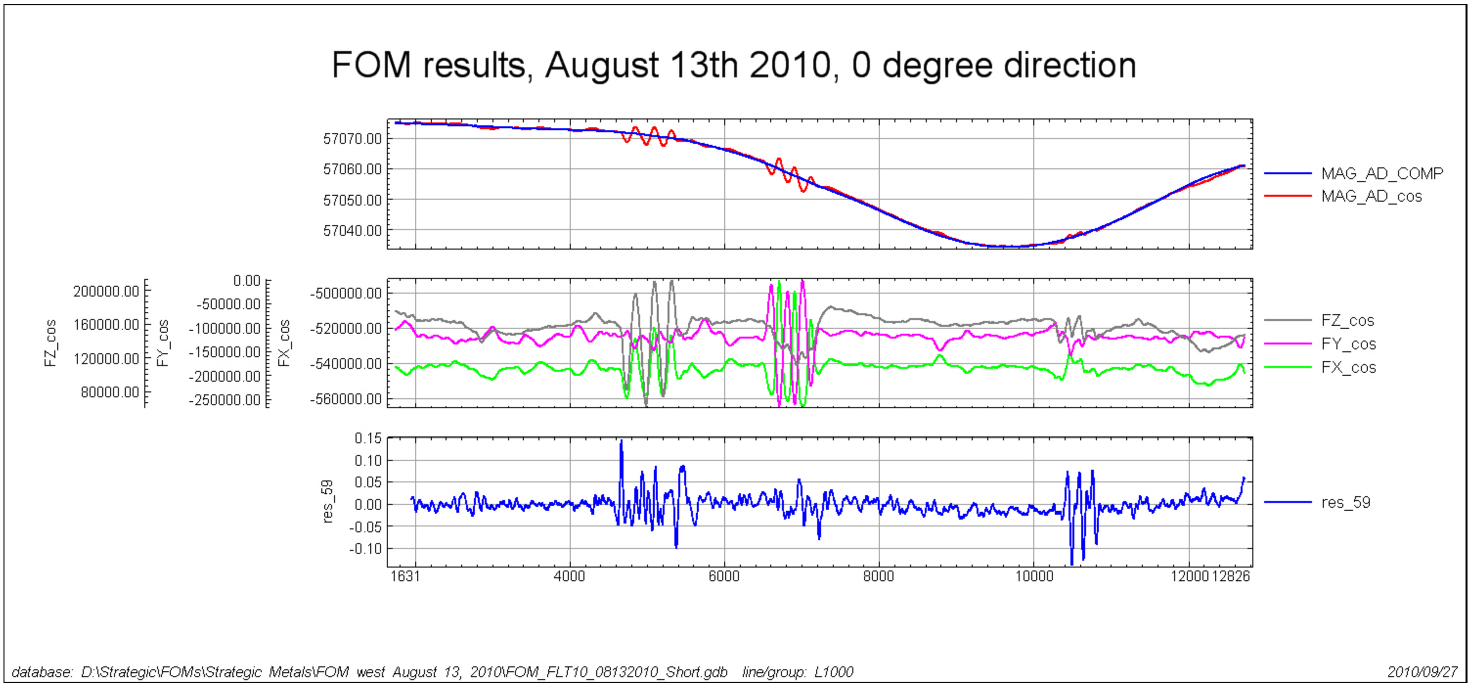


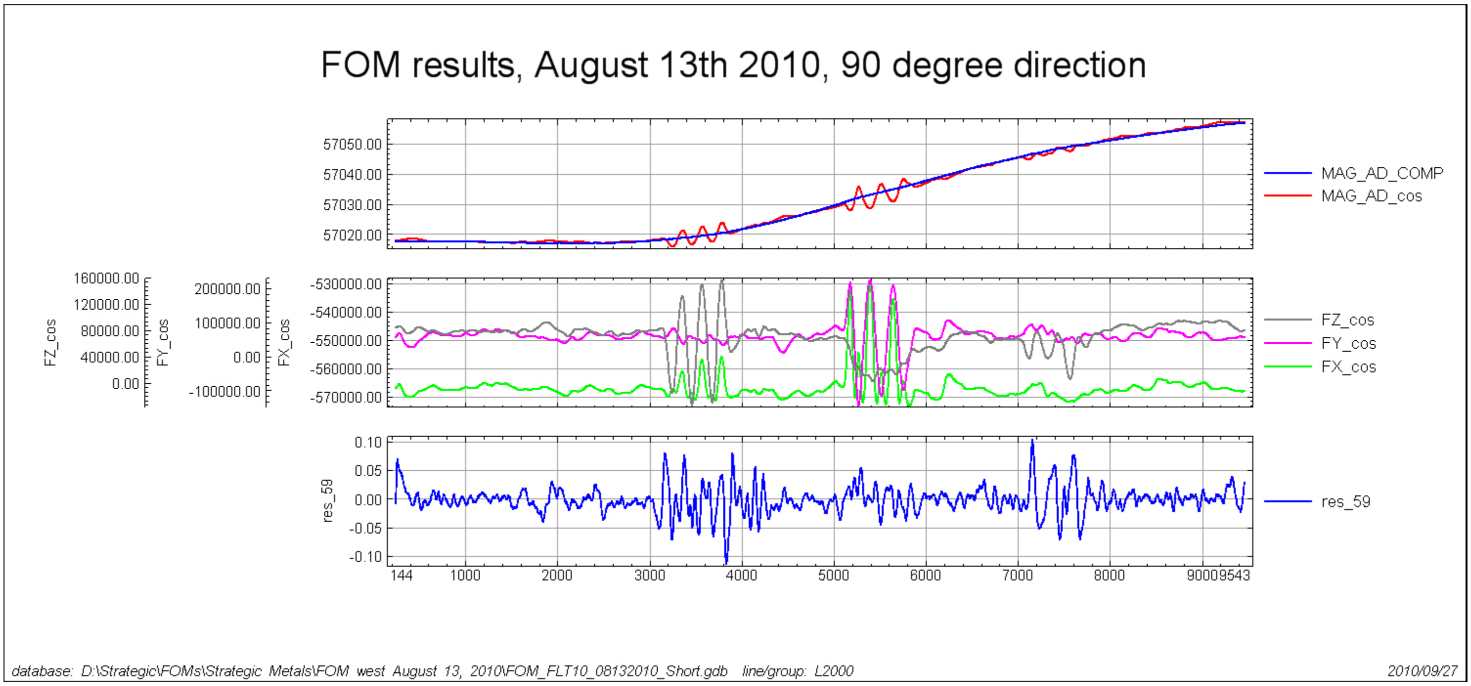


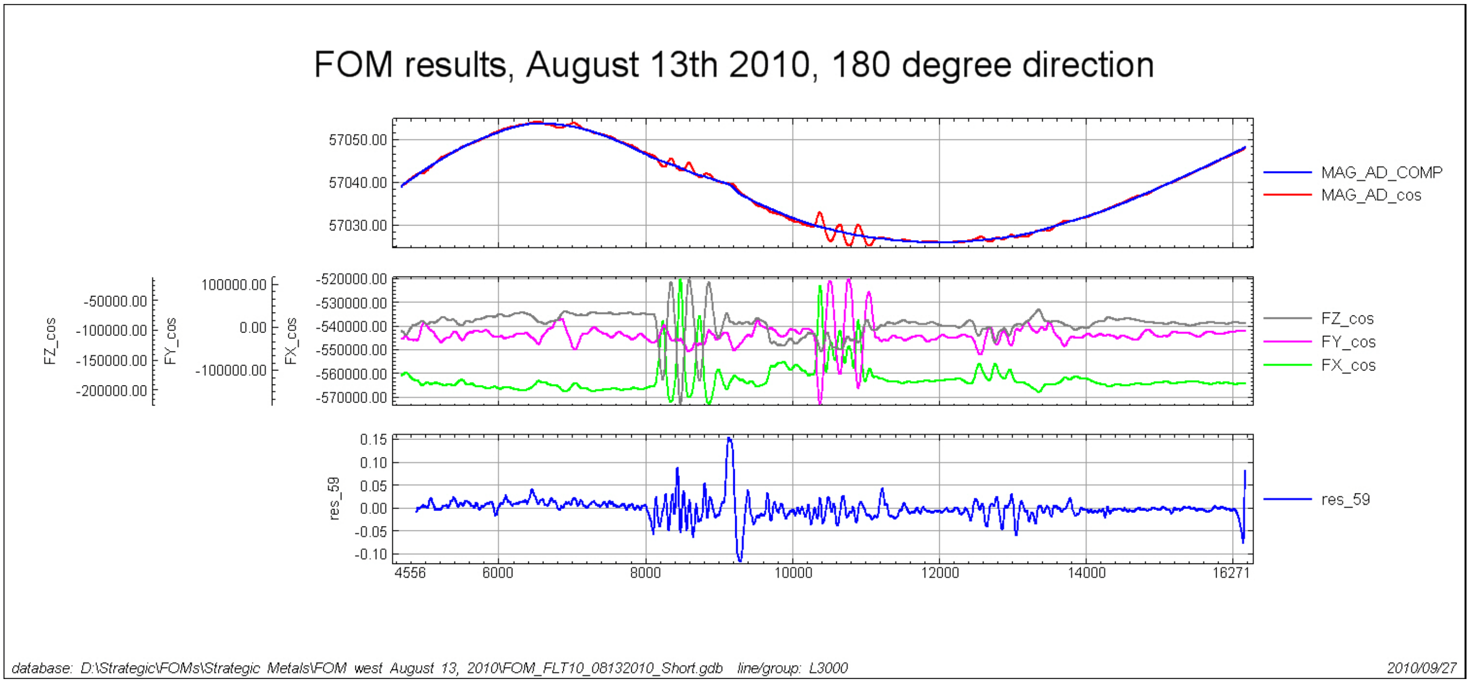

FOM results, August 8th 2010, 180 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic Metals\FOM\FOM west August 9. 2010\FLT01_FOM_08082010_Short.gdb line/group: L3000
2010/08/09

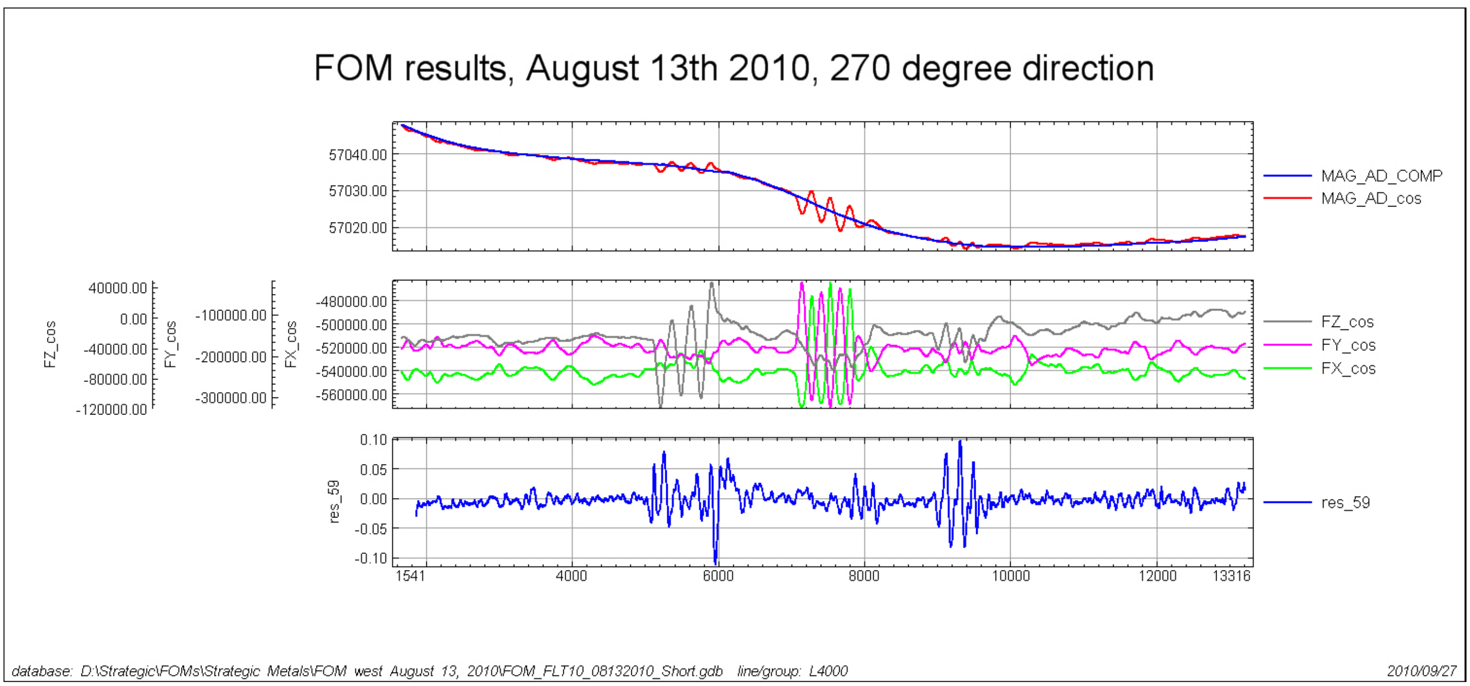

FOM results, August 8th 2010, 270 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic Metals\FOM\FOM west August 9. 2010\FLT01_FOM_08082010_Short.gdb line/group: L4000
2010/08/09

Strategic Metals, Yukon, FOM result, August 13, 2010					
line	**direction**	**pitch**	**roll**	**yaw**	**total**
1000	**0**	0.200	0.105	0.200	0.505
2000	**90**	0.195	0.080	0.150	0.425
3000	**180**	0.140	0.060	0.085	0.285
4000	**270**	0.160	0.075	0.180	0.415
	total	0.695	0.320	0.615	**1.630**

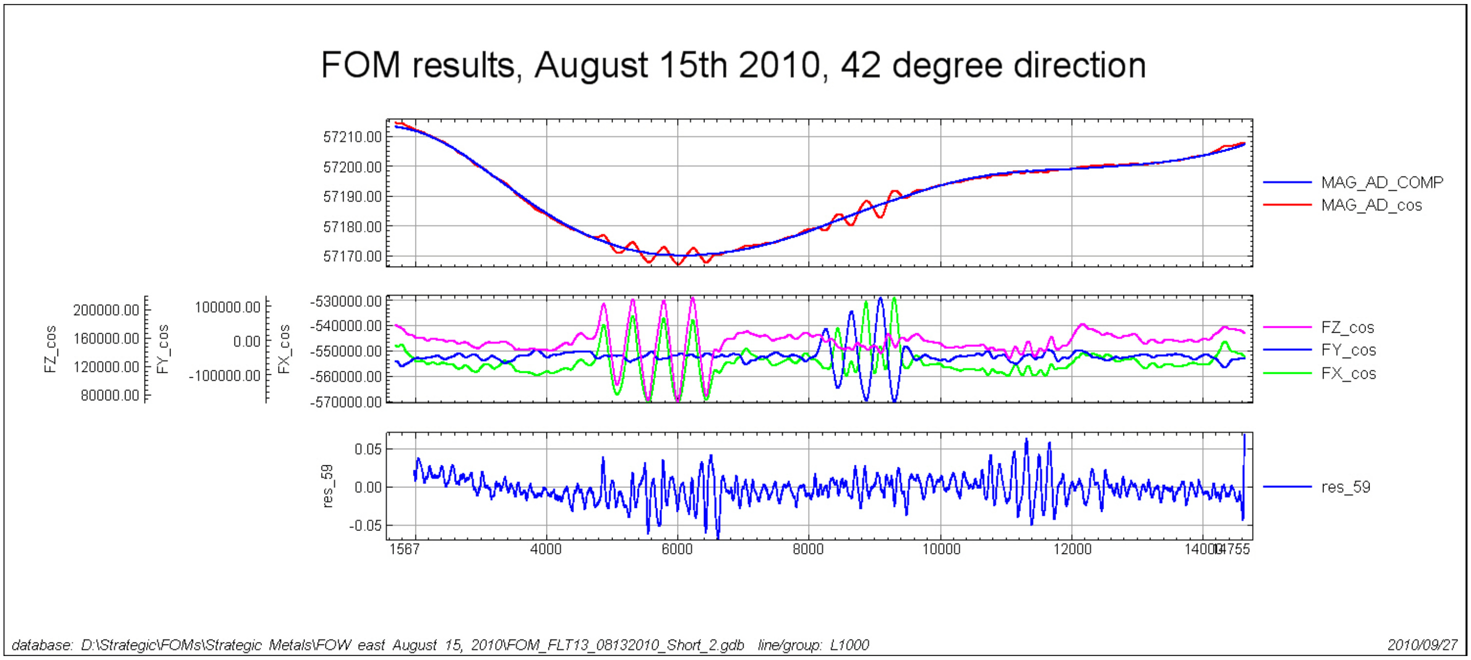


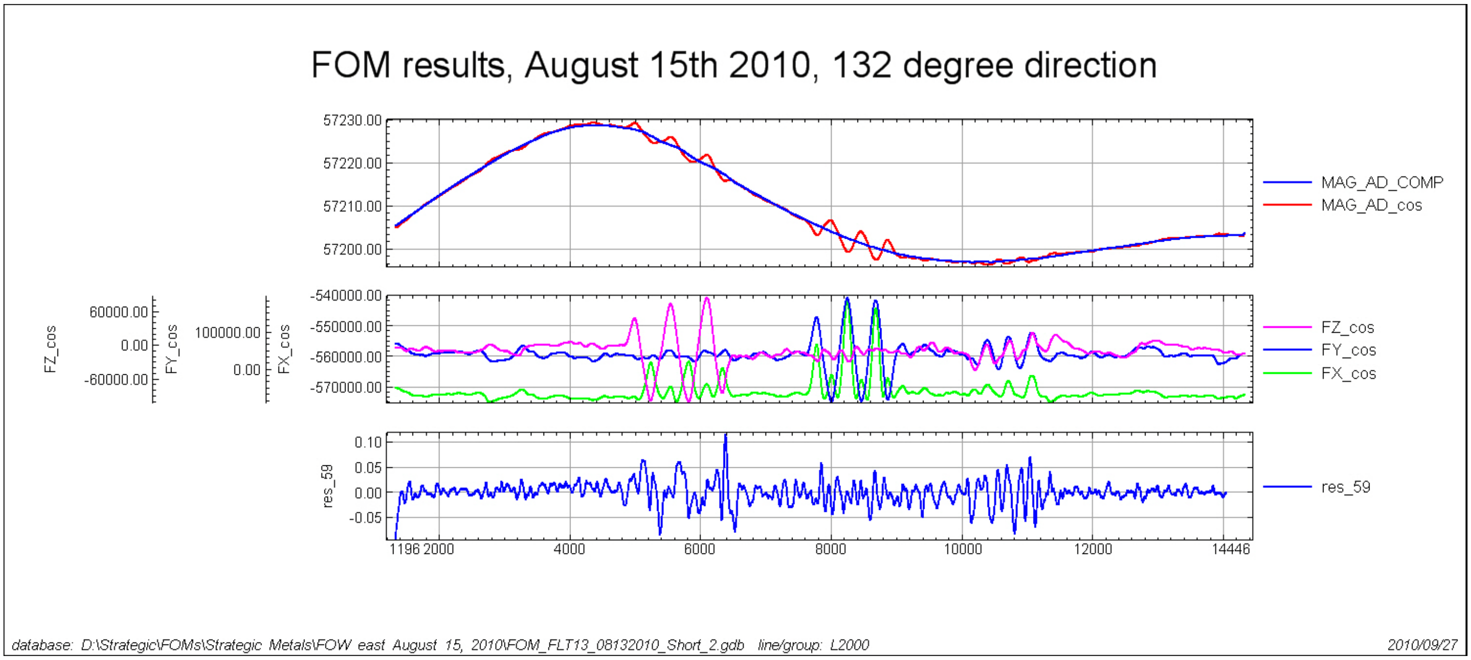


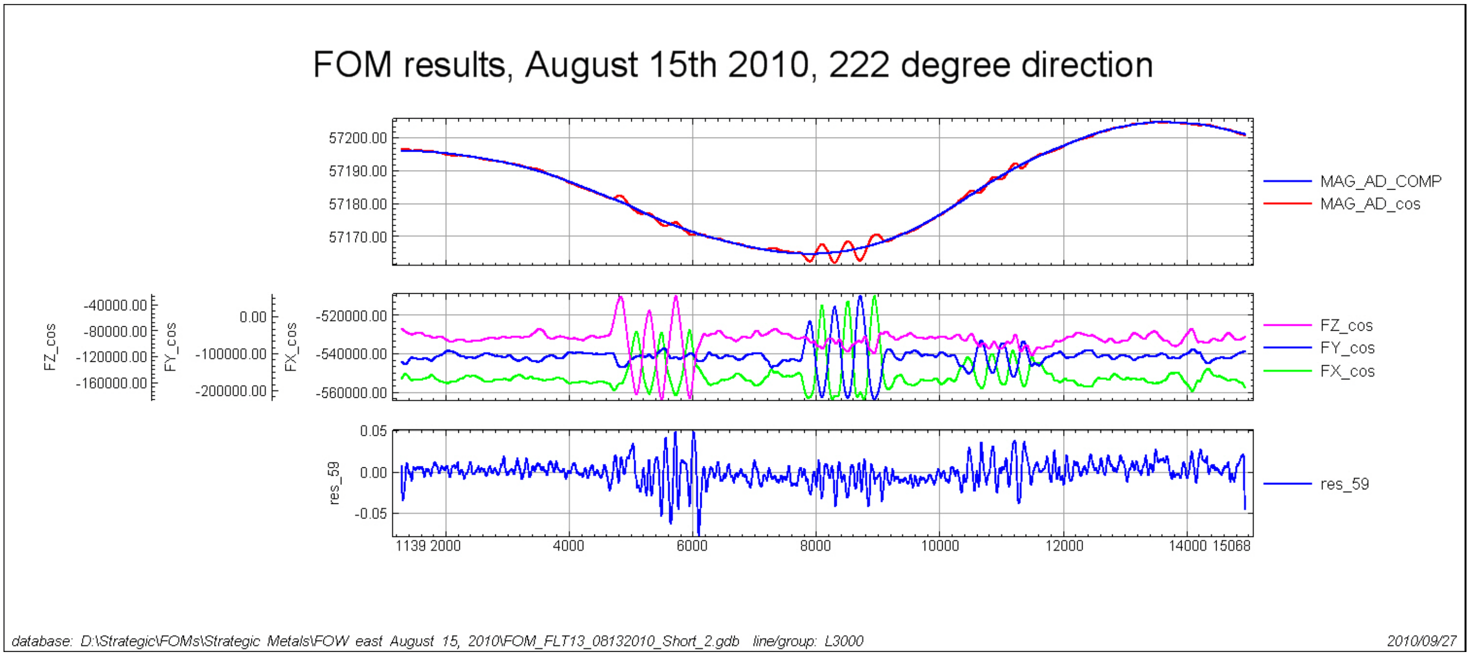

FOM results, August 13th 2010, 180 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic\FOMs\Strategic Metals\FOM west August 13, 2010\FOM_FLT10_08132010_Short.gdb line/group: L3000
2010/09/27

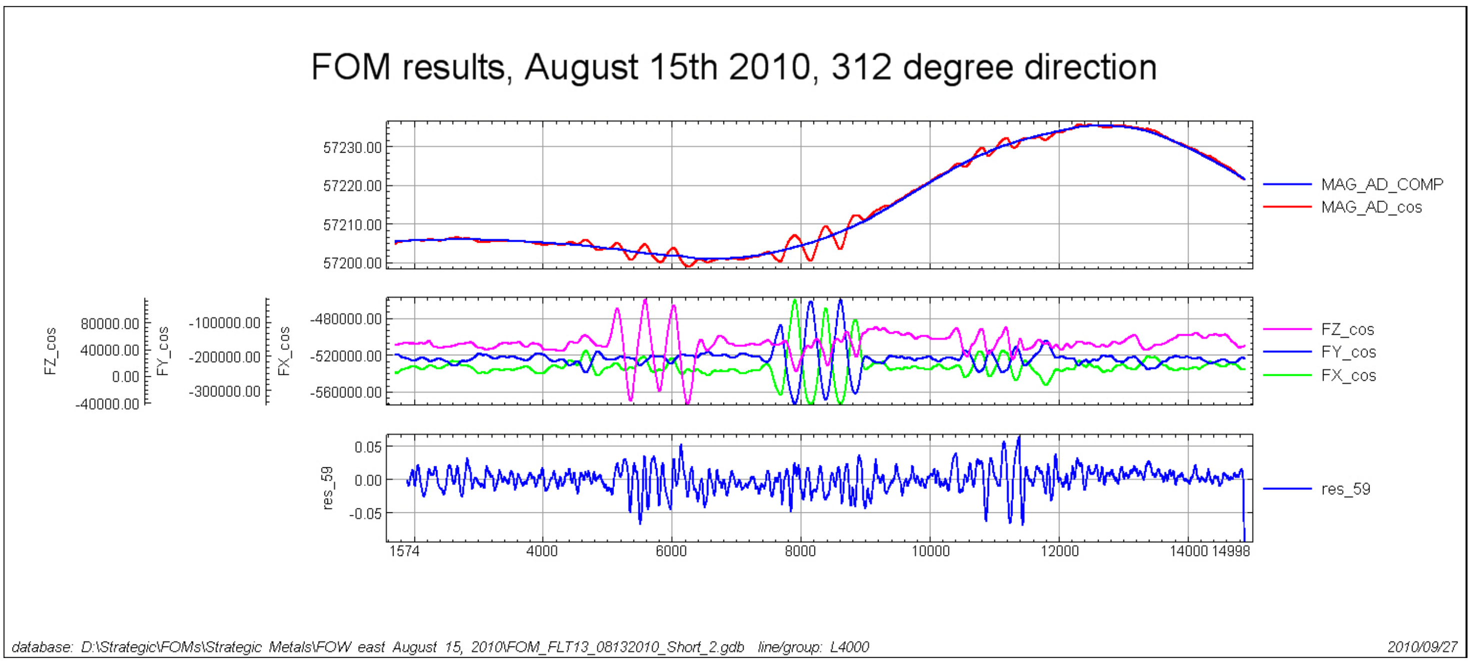

FOM results, August 13th 2010, 270 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic\FOMs\Strategic Metals\FOM west August 13, 2010\FOM_FLT10_08132010_Short.gdb line/group: L4000
2010/09/27

Strategic Metals, Yukon, FOM result, August 15, 2010					
line	**direction**	**pitch**	**roll**	**yaw**	**total**
1000	**42**	0.150	0.050	0.115	0.315
2000	**132**	0.200	0.100	0.135	0.435
3000	**222**	0.130	0.050	0.125	0.305
4000	**312**	0.100	0.070	0.125	0.295
	total	0.580	0.270	0.500	**1.350**

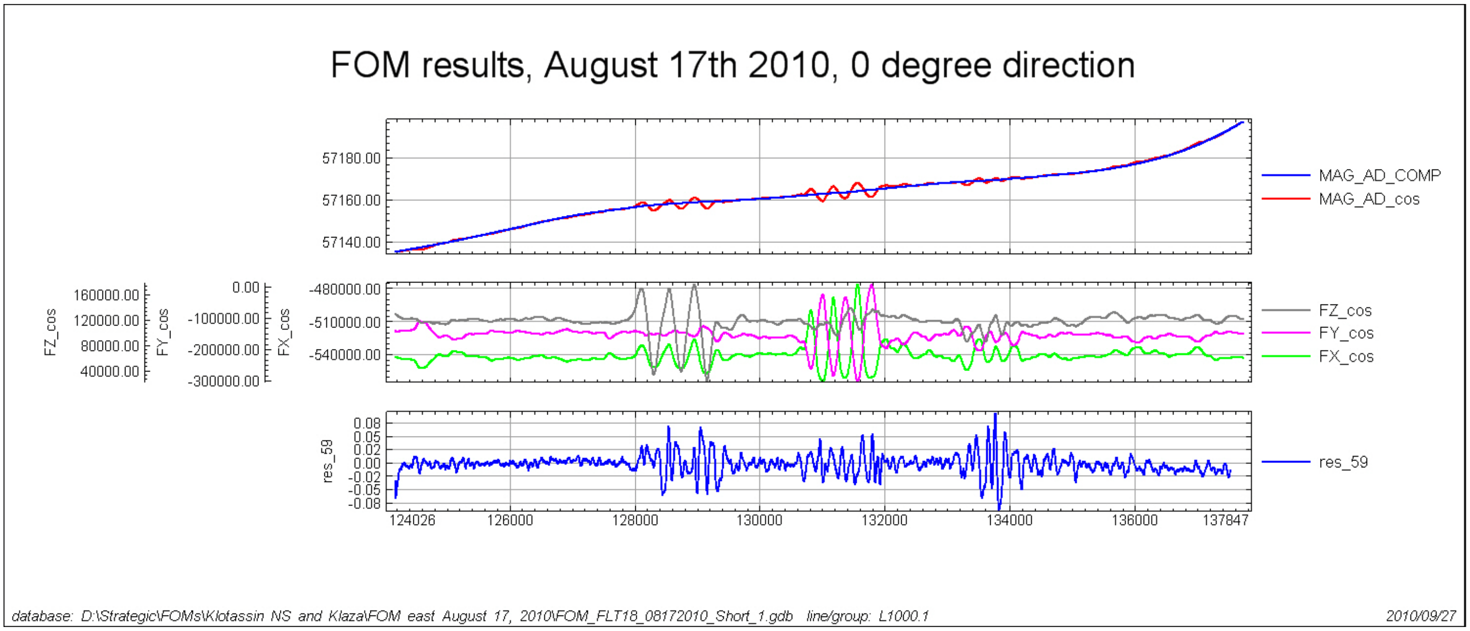


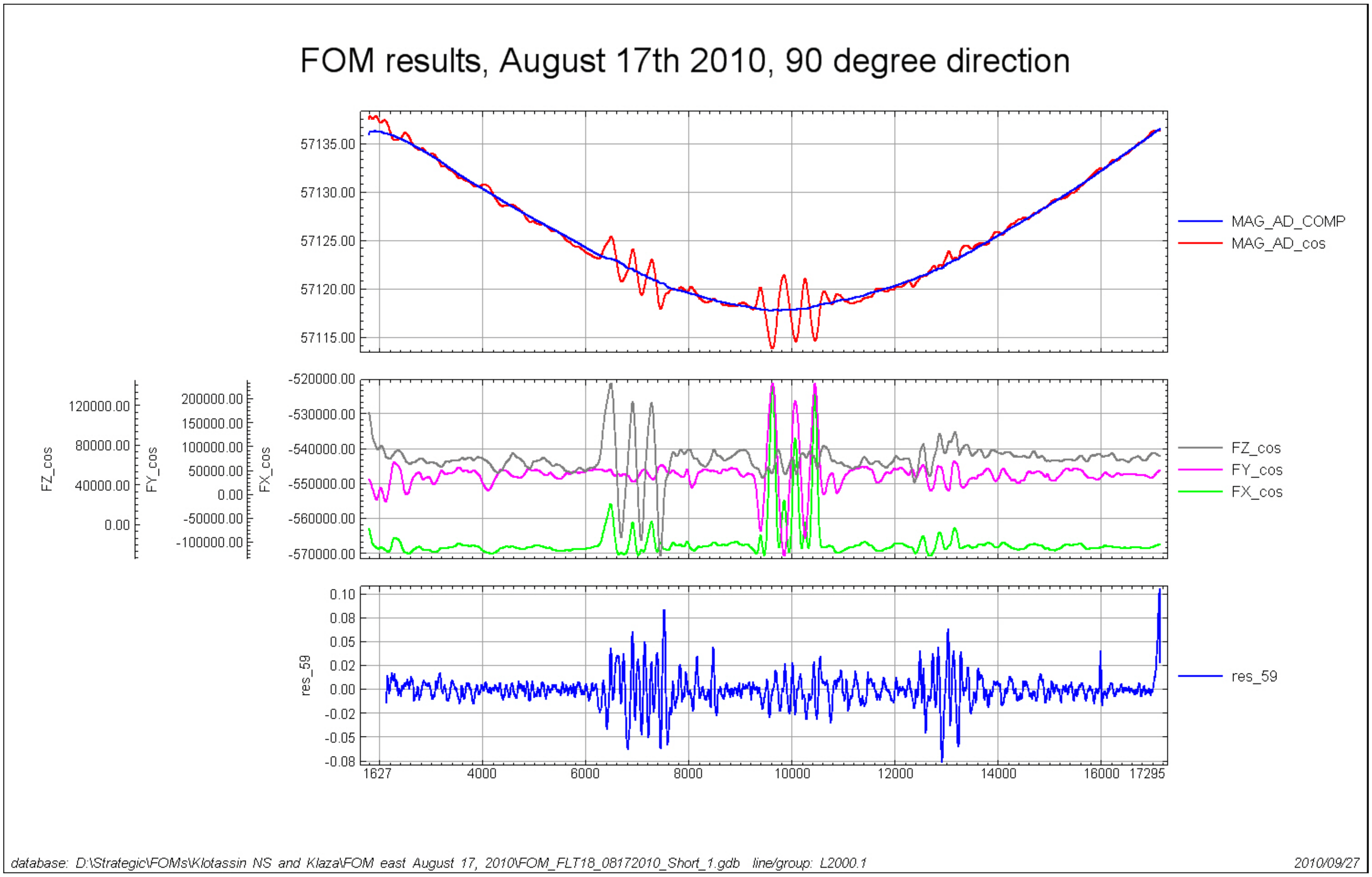


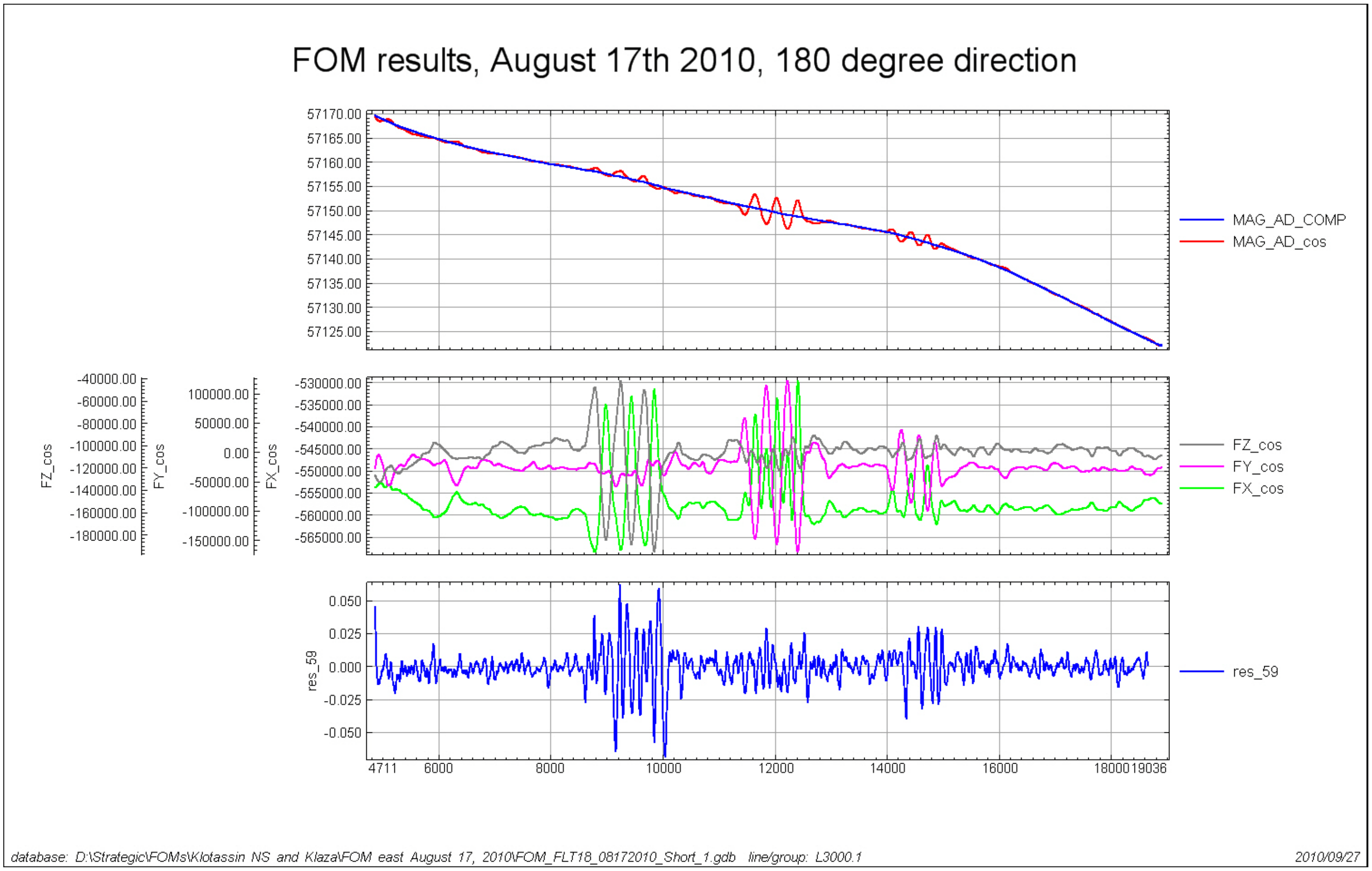

FOM results, August 15th 2010, 222 degree direction
57200.00
57190.00
57180.00
57170.00
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
-40000.00
-80000.00
-120000.00
-160000.00
0.00
-100000.00
-200000.00
-520000.00
-540000.00
-560000.00
res_59
0.05
0.00
-0.05
1139 2000
4000
6000
8000
10000
12000
14000 15068
database: D:\Strategic\FOMs\Strategic Metals\FOW east August 15, 2010\FOM_FLT13_08132010_Short_2.gdb line/group: L3000
2010/09/27

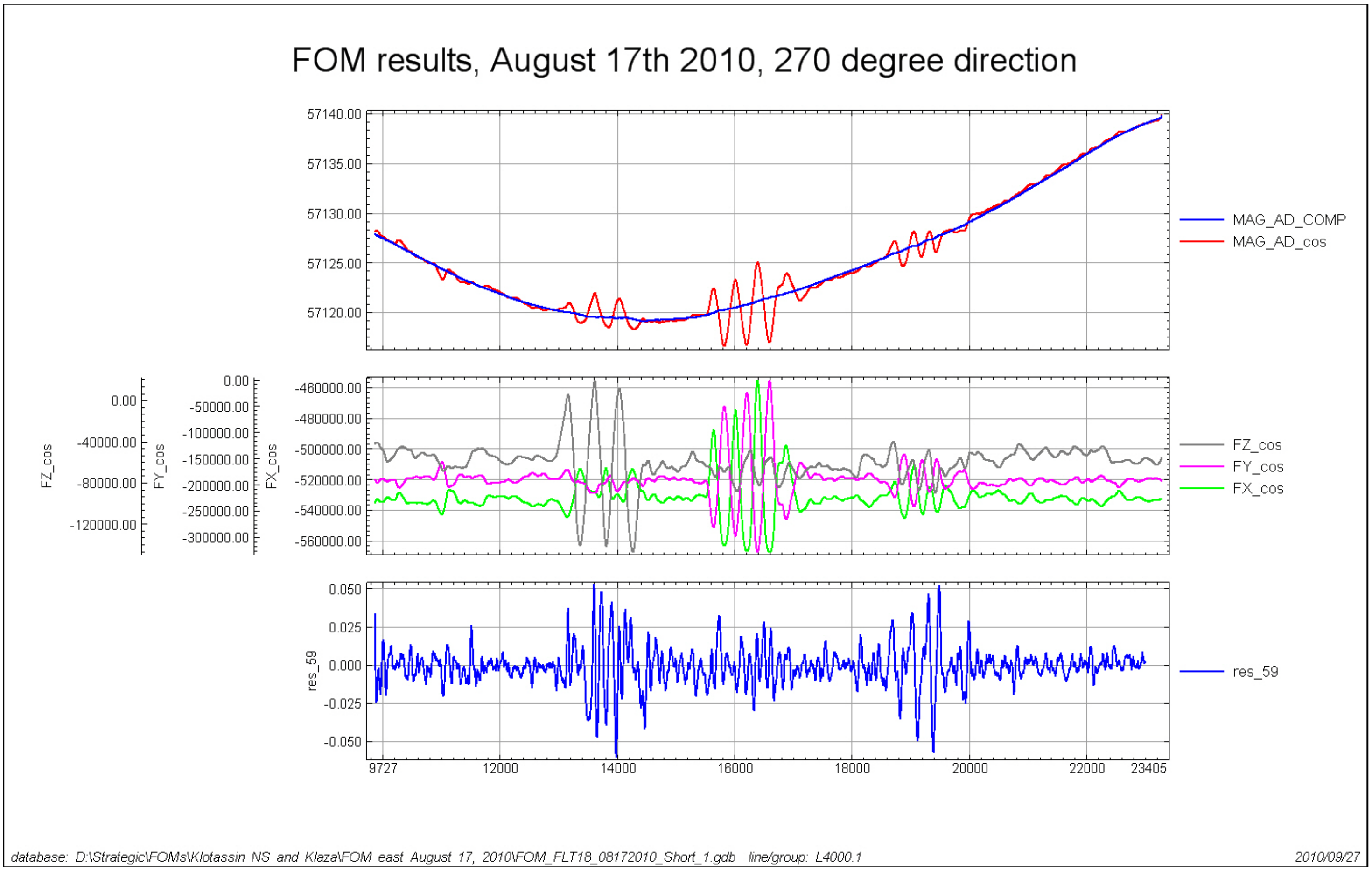

FOM results, August 15th 2010, 312 degree direction
57230.00
57220.00
57210.00
57200.00
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
80000.00
40000.00
0.00
-40000.00
-100000.00
-200000.00
-300000.00
-480000.00
-520000.00
-560000.00
res_59
0.05
0.00
-0.05
1574
4000
6000
8000
10000
12000
14000 14998
database: D:\Strategic\FOMs\Strategic Metals\FOW east August 15, 2010\FOM_FLT13_08132010_Short_2.gdb line/group: L4000
2010/09/27

Strategic Metals, Yukon, FOM result, August 17, 2010					
line	**direction**	**pitch**	**roll**	**yaw**	**total**
1000	**0**	0.125	0.085	0.175	0.385
2000	**90**	0.125	0.050	0.138	0.313
3000	**180**	0.138	0.050	0.055	0.243
4000	**270**	0.100	0.050	0.108	0.258
	total	0.488	0.235	0.475	**1.198**




FOM results, August 17th 2010, 90 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic\FOMs\Klotassin NS and Klaza\FOM east August 17, 2010\FOM_FLT18_08172010_Short_1.gdb line/group: L2000.1
2010/09/27


FOM results, August 17th 2010, 180 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic\FOMs\Klotassin NS and Klaza\FOM east August 17, 2010\FOM_FLT18_08172010_Short_1.gdb line/group: L3000.1
2010/09/27


FOM results, August 17th 2010, 270 degree direction
MAG_AD_COMP
MAG_AD_cos
FZ_cos
FY_cos
FX_cos
res_59
database: D:\Strategic\FOMs\Klotassin NS and Klaza\FOM east August 17, 2010\FOM_FLT18_08172010_Short_1.gdb line/group: L4000.1
2010/09/27

Appendix C: Database Descriptions

<u>Magnetic Databases for Mint, Nikki, Corky, Meloy, King, and Mars blocks</u>

Database Name: MAGNETIC_*blockname*_BK.gdb
Format: Geosoft .gdb
Number of Channels: 28

Note: If the database is opened in Oasis montaj, please load included "*Magnetic database channel display.dbview*" file to insure that ALL the channels are displayed in the same order as listed below (Database menu -> Get Saved View).

Channel Name	Units	Description
LINE	number	Line number
FLIGHT	number	Flight number
DATE	date	Date flown (YYMMDD)
FIDUCIAL	number	Fiducial count (flight specific)
SYSTEM_CLOCK	milsec	KANA8 (A/D converter) counter
UTM_X_NAD83	meters	UTM East in NAD83, North America, Zone 7N/Zone 8N
UTM_Y_NAD83	meters	UTM North in NAD83, North America, Zone 7N/Zone 8N
LATITUDE_WGS84	degrees	GPS latitude, WGS 84, World
LONGITUDE_WGS84	degrees	GPS longitude, WGS 84, World
GPS_HEIGHT_WGS84	meters	GPS height (orthometric) above MSL, WGS 84, World
UTC_DAYSEC	decimal seconds	UTC daily second counter (0-86399)
FLUX_X	volts	Fluxgate x-axis
FLUX_Y	volts	Fluxgate y-axis
FLUX_Z	volts	Fluxgate z-axis
RAD_ALT_feet	feet	Radar altimeter, height above ground
MAG_RAW	nT	Raw magnetometer data
MAG_COMP	nT	Compensated magnetometer data
DIURNAL	nT	Base station magnetometer data (filtered with 101point low pass filter)
MAG_DIURNAL_CORR	nT	Base station (diurnal) corrected magnetometer data
MAG_LAG_CORR	nT	Lag corrected magnetometer data
MAG_HEADING_CORR	nT	Heading corrected magnetometer data
IGRF	nT	Calculated IGRF, using 2010 model
MAG_IGRF_CORR	nT	IGRF corrected magnetometer data
MAG_SIMPLE_LVL	nT	Conventionally (simple) leveled magnetometer data
MAG_MICLEV	nT	Microleveled magnetometer data (if applicable)
TMI_FINAL	nT	Final magnetometer data (a copy of either MAG_SIMPLE_LVL or MAG_MICLEV channels)
VDV	nT/m	1st order Vertical Derivative (VDV)
DTM	meters	Calculated DTM channel

Radiometric Databases for Mint, Nikki, Corky, Meloy, King, and Mars blocks

Database Name: RADIOMETRIC_ *blockname*_BK.gdb
Format: Geosoft .gdb
Number of Channels: 34

Note: If the database is opened in Oasis montaj, please load included "*Radiometric database channel display.dbview*" file to insure that ALL the channels are displayed in the same order as listed below (Database menu -> Get Saved View).

Channel Name	Units	Description
LINE	number	Line Number
FLIGHT	number	Flight Number
DATE	date	Date flown (YYMMDD)
FIDUCIAL	number	Fiducial count (line specific)
UTM_X_NAD83	meters	UTM East in NAD83, North America, Zone 7N/8N
UTM_Y_NAD83	meters	UTM North in NAD83, North America, Zone 7N/8N
LATITUDE_WGS84	degrees	GPS latitude, WGS 84, World
LONGITUDE_WGS84	degrees	GPS longitude, WGS 84, World
GPS_HEIGHT_WGS84	meters	GPS height (orthometric) above MSL, WGS 84, World
UTC_DAYSEC	seconds	UTC daily second counter (0-86399)
RAD_ALT_feet	feet	Radar altimeter, height above ground
PRESSURE	mbar	Ambient pressure output
TEMPERATURE	degrees C	Ambient temperature output
DOWN_LIVE_TIME	seconds	Live time channel
RAW_Potassium	counts/sec	Raw Potassium channel
RAW_Thorium	counts/sec	Raw Thorium channel
RAW_Uranium	counts/sec	Raw Uranium channel
RAW_TotCount	counts/sec	Raw Total Count channel
RAW_UpDet	counts/sec	Raw upward looking crystal Uranium channel
COSMIC	counts/sec	Raw Cosmic channel from downward looking crystals
SPECTRUM	counts/sec	1024 channel down spectrum
EQUIVALENT_HEIGHT_m	meters	Equivalent height above ground at STP
K_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Potassium counts
Th_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Thorium counts
U_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Uranium counts
TC_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Total Count counts
K_FINAL_CORR	counts/sec	Final Potassium counts; microleveled (if applicable, se section 7.5.6.8 for details)

Th_FINAL_CORR	counts/sec	Final Thorium counts; microleveled (if applicable, se section 7.5.6.8 for details)
U_FINAL_CORR	counts/sec	Final Uranium counts; microleveled (if applicable, se section 7.5.6.8 for details)
TC_FINAL_CORR	counts/sec	Final Total Count counts; microleveled (if applicable, se section 7.5.6.8 for details)
K_Percent	%	Estimated concentrations of Potassium
eTh	ppm	Estimated equivalent concentrations of Thorium
eU	ppm	Estimated equivalent concentrations of Uranium
DOSE_RATE	nGy/h	Natural air absorption Dose Rate

APPENDIX D: RSX-5 SPECTROMETER (SN 5503): DAILY RESOLUTION TESTS RESULTS

Executed 2010/08/08 21:59:25

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2005	2001	2001	2001	8008
Gain	0.962986	0.953878	0.981236	0.953903	1.021441	-
Peak	871.76 (+/- 0.543)	874.70 (+/- 0.870)	873.30 (+/- 0.602)	871.13 (+/- 0.653)	860.80 (+/- 2.204)	872.82 (+/- 0.324)
FWHM	4.13 (+/- 1.371)	5.75 (+/- 2.547)	4.78 (+/- 1.562)	4.99 (+/- 1.734)	5.91 (+/- 8.576)	4.66 (+/- 0.839)

Executed 2010/08/09 17:47:25

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2001	2004	2006	2002	8014
Gain	0.988165	0.992147	1.015323	0.990002	1.054202	-
Peak	873.10 (+/- 0.470)	874.73 (+/- 0.764)	872.23 (+/- 0.543)	870.40 (+/- 0.612)	868.10 (+/- 1.097)	872.84 (+/- 0.265)
FWHM	4.07 (+/- 1.209)	5.21 (+/- 2.095)	4.94 (+/- 1.400)	5.11 (+/- 1.581)	6.89 (+/- 3.116)	4.63 (+/- 0.676)

Executed 2010/08/10 07:39:17

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2002	2002	2005	2004	8012
Gain	0.940138	0.916487	0.950094	0.929034	0.987978	-
Peak	869.25 (+/- 0.535)	876.70 (+/- 0.938)	873.98 (+/- 0.600)	870.59 (+/- 0.673)	868.49 (+/- 1.006)	872.08 (+/- 0.336)
FWHM	4.21 (+/- 1.345)	4.29 (+/- 2.392)	4.73 (+/- 1.594)	4.77 (+/- 1.820)	6.71 (+/- 3.081)	4.49 (+/- 0.840)

Executed 2010/08/11 07:51:16

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2001	2001	2001	2002	8009
Gain	0.969962	0.948579	0.977909	0.954461	1.013296	-
Peak	871.53 (+/- 0.573)	876.57 (+/- 0.814)	873.60 (+/- 0.753)	872.19 (+/- 0.592)	867.11 (+/- 0.950)	873.16 (+/- 0.403)
FWHM	4.34 (+/- 1.543)	5.16 (+/- 2.319)	4.99 (+/- 2.074)	4.42 (+/- 1.566)	6.34 (+/- 2.804)	4.63 (+/- 1.116)

Executed 2010/08/12 11:03:00

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2006	2005	2003	2003	2001	8017
Gain	0.975655	0.958596	0.984948	0.96152	1.022175	-
Peak	870.06 (+/- 0.579)	876.22 (+/- 0.769)	873.15 (+/- 0.798)	871.27 (+/- 0.781)	869.11 (+/- 0.892)	872.42 (+/- 0.389)
FWHM	3.94 (+/- 1.506)	4.46 (+/- 2.045)	4.82 (+/- 2.290)	5.17 (+/- 2.069)	6.31 (+/- 2.451)	4.61 (+/- 1.042)

Executed 2010/08/13 16:15:45

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2003	2001	2001	2001	8006
Gain	0.991344	0.985067	1.008989	0.982447	1.054639	-
Peak	871.28 (+/- 0.484)	881.69 (+/- 1.148)	873.48 (+/- 0.561)	872.15 (+/- 0.749)	870.62 (+/- 1.398)	873.64 (+/- 0.294)
FWHM	3.88 (+/- 1.219)	4.89 (+/- 3.600)	4.49 (+/- 1.467)	5.34 (+/- 2.120)	7.00 (+/- 4.542)	4.63 (+/- 0.770)

Executed 2010/08/15 11:27:34

Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2011	2001	2003	2001	2004	8016
Gain	0.952273	0.931188	0.958818	0.942567	1.003903	-
Peak	871.87 (+/- 0.553)	877.53 (+/- 0.772)	872.17 (+/- 0.611)	870.80 (+/- 0.494)	870.03 (+/- 1.044)	872.13 (+/- 0.295)
FWHM	4.26 (+/- 1.307)	4.55 (+/- 2.180)	4.74 (+/- 1.628)	4.95 (+/- 1.263)	6.93 (+/- 3.149)	4.75 (+/- 0.730)

Executed 2010/08/16 07:57:10

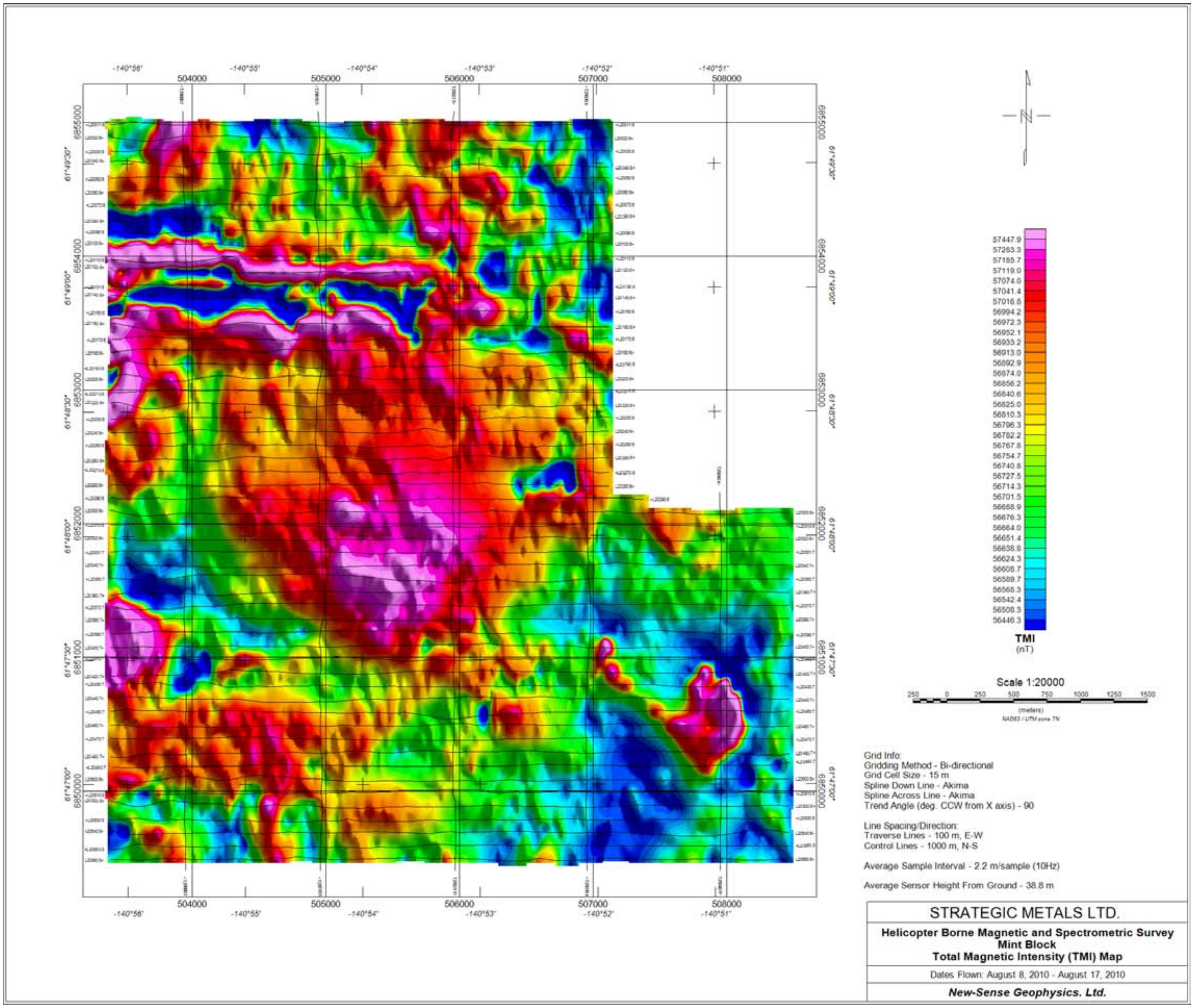
Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2004	2007	2001	2005	8014
Gain	0.930262	0.915566	0.940916	0.920625	0.995206	-
Peak	870.26 (+/- 0.472)	877.55 (+/- 1.109)	872.20 (+/- 0.606)	871.61 (+/- 0.667)	870.10 (+/- 0.998)	872.22 (+/- 0.364)
FWHM	4.28 (+/- 1.250)	4.85 (+/- 3.181)	4.74 (+/- 1.735)	4.81 (+/- 1.765)	6.70 (+/- 2.825)	4.69 (+/- 0.969)

Executed 2010/08/17 08:02:17

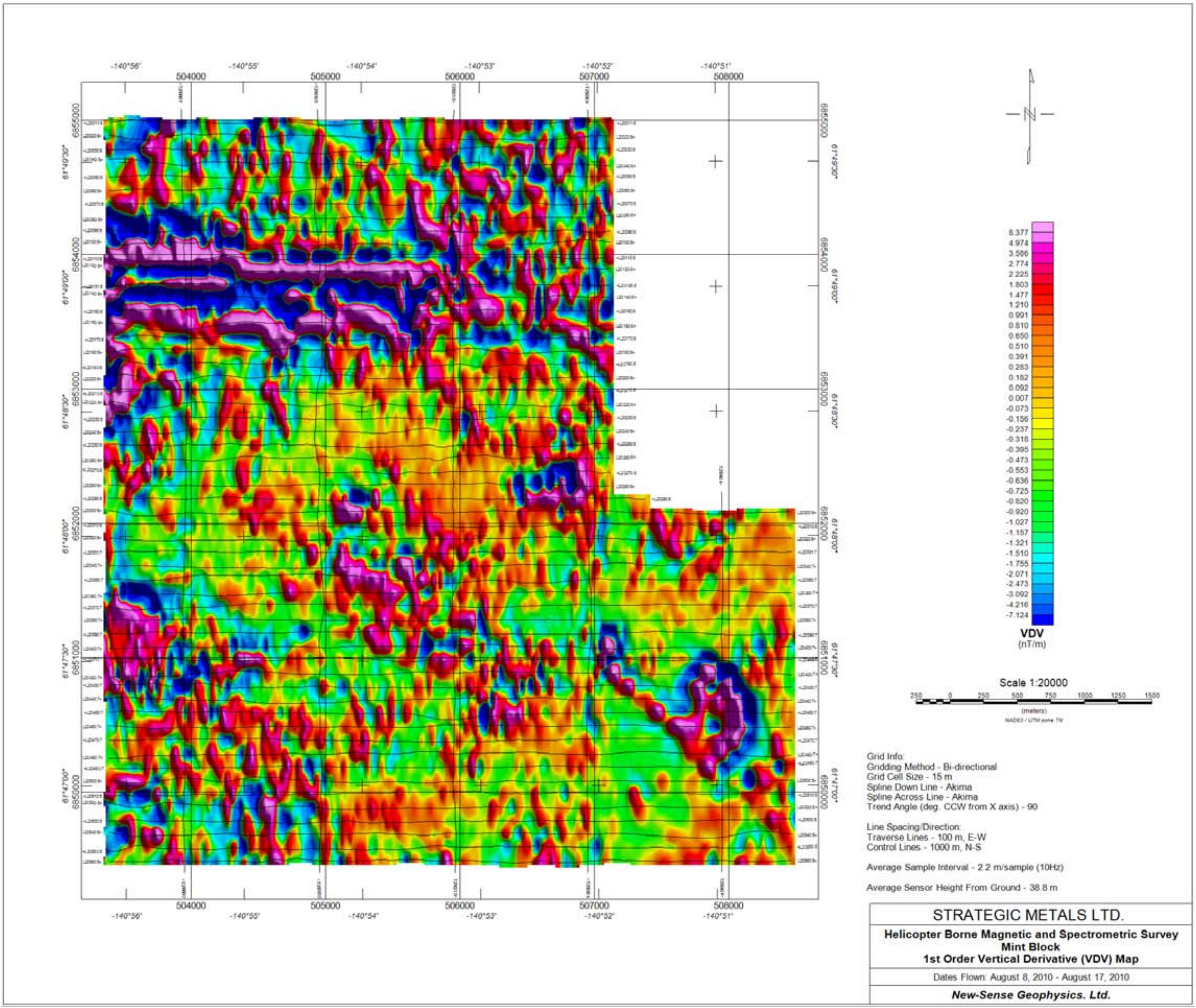
Detector	Det 1 - SN:00318	Det 2 - SN:00037	Det 3 - SN:00040	Det 4 - SN:00032	Det 5 - SN:00038	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2004	2005	2005	2004	8015
Gain	0.926781	0.913206	0.938985	0.920016	0.991829	-
Peak	871.25 (+/- 0.475)	875.69 (+/- 1.079)	872.19 (+/- 0.727)	870.29 (+/- 0.673)	868.95 (+/- 0.913)	872.37 (+/- 0.379)
FWHM	4.30 (+/- 1.250)	5.19 (+/- 3.182)	4.78 (+/- 2.097)	4.90 (+/- 1.808)	6.52 (+/- 2.523)	4.52 (+/- 1.044)

APPENDIX E: IMAGES OF FINAL MAPS

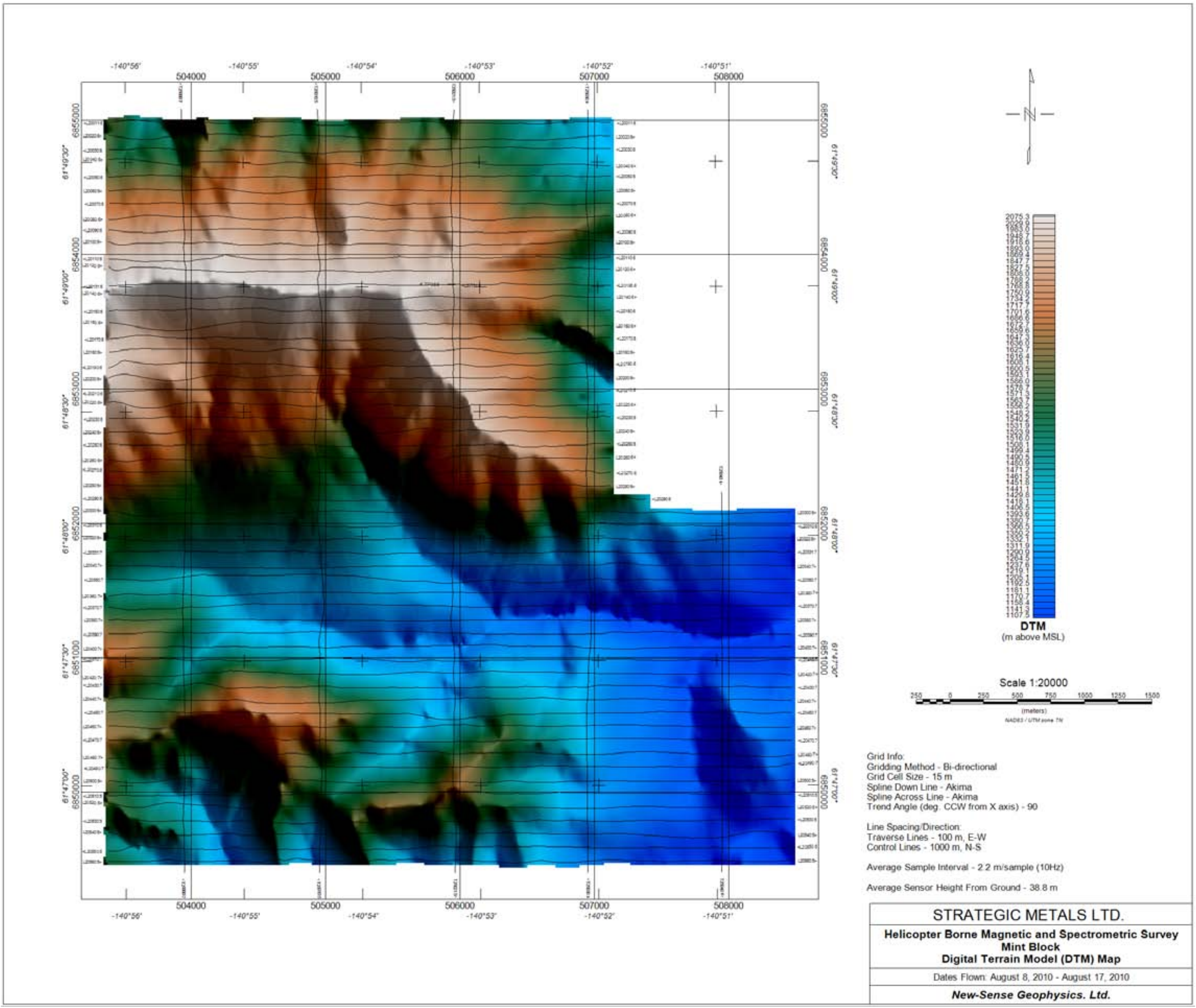
Mint Block Image of TMI FINAL Map



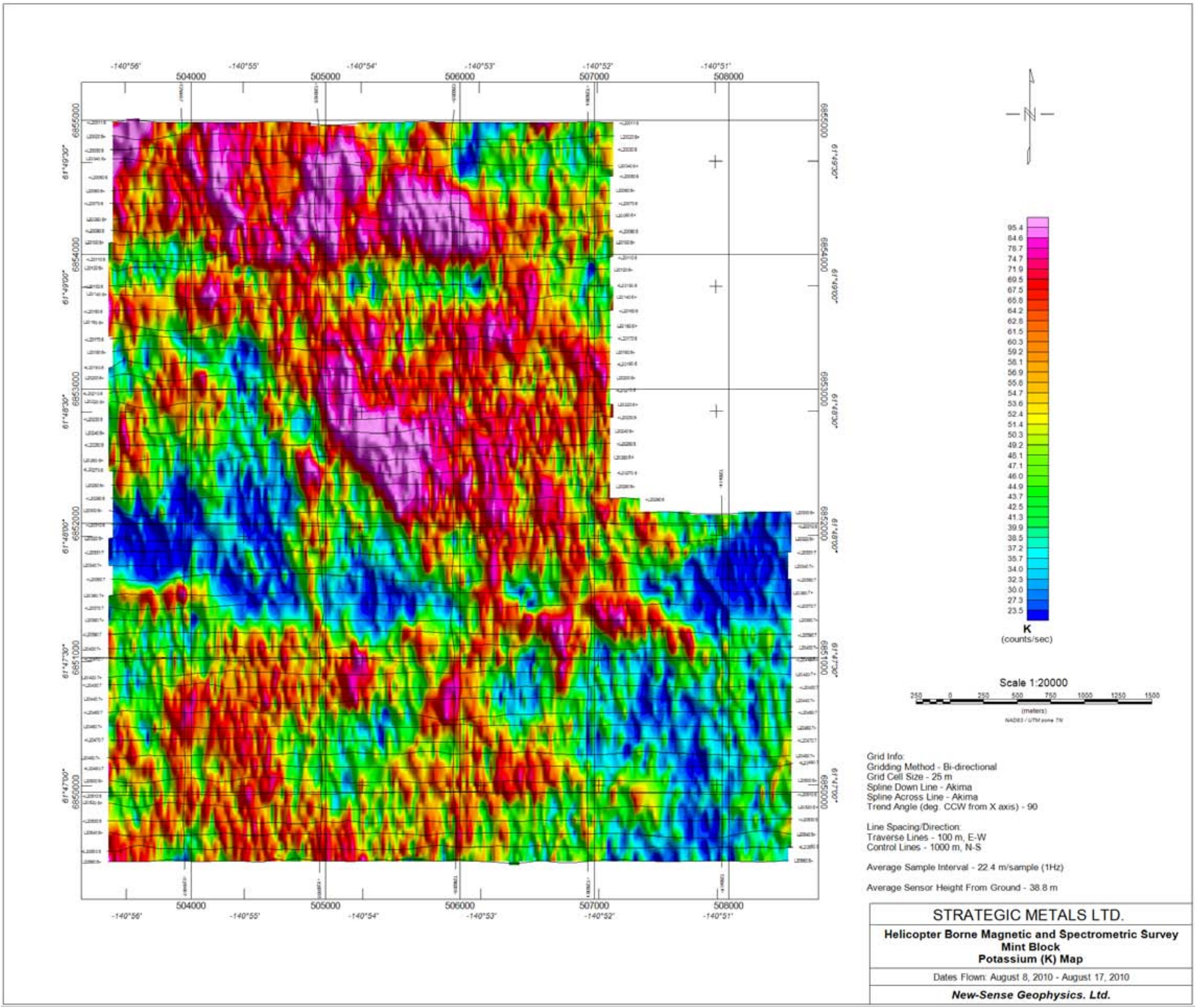
Mint Block Image of VDV Map



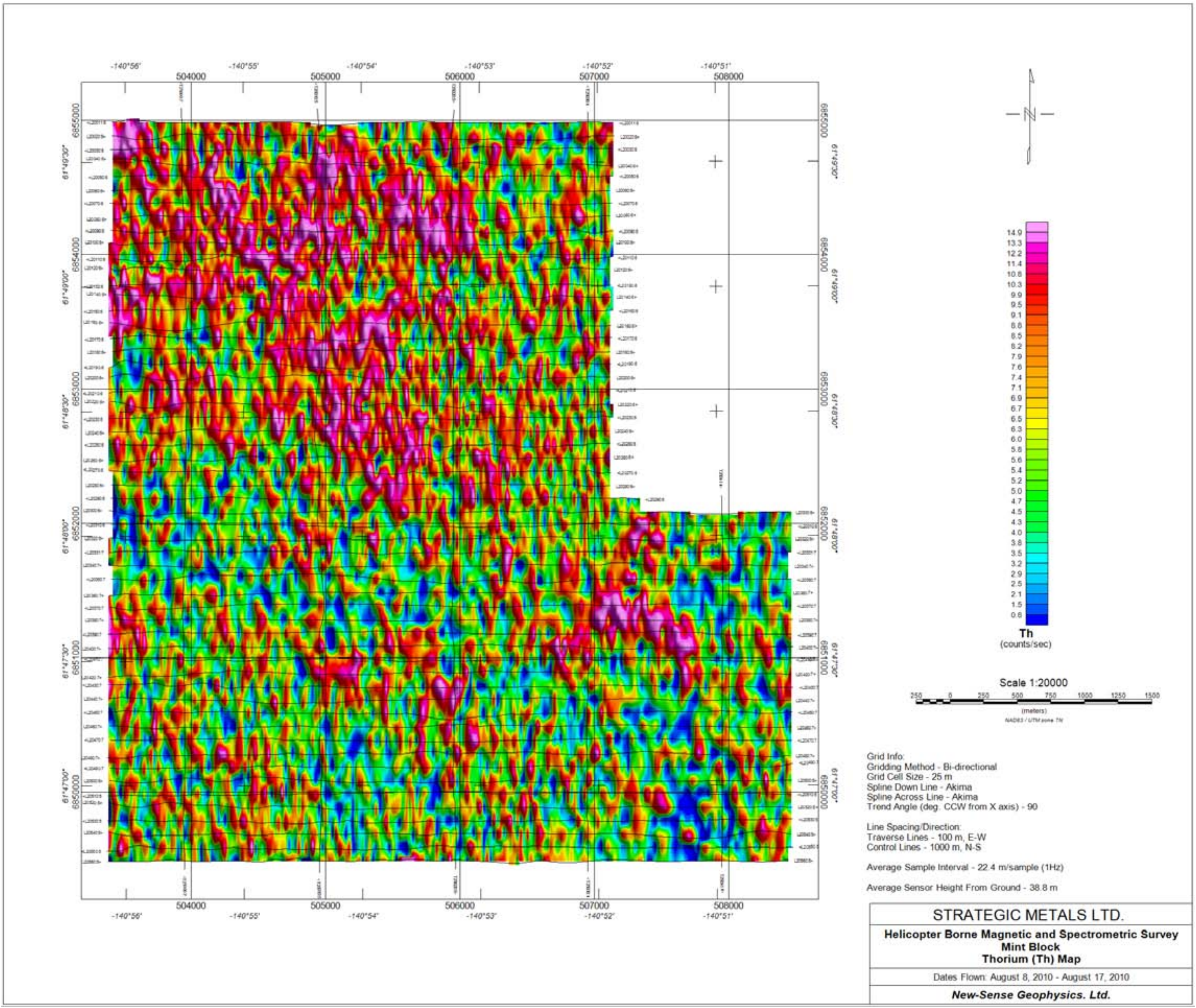
Mint Block Image of DTM Map



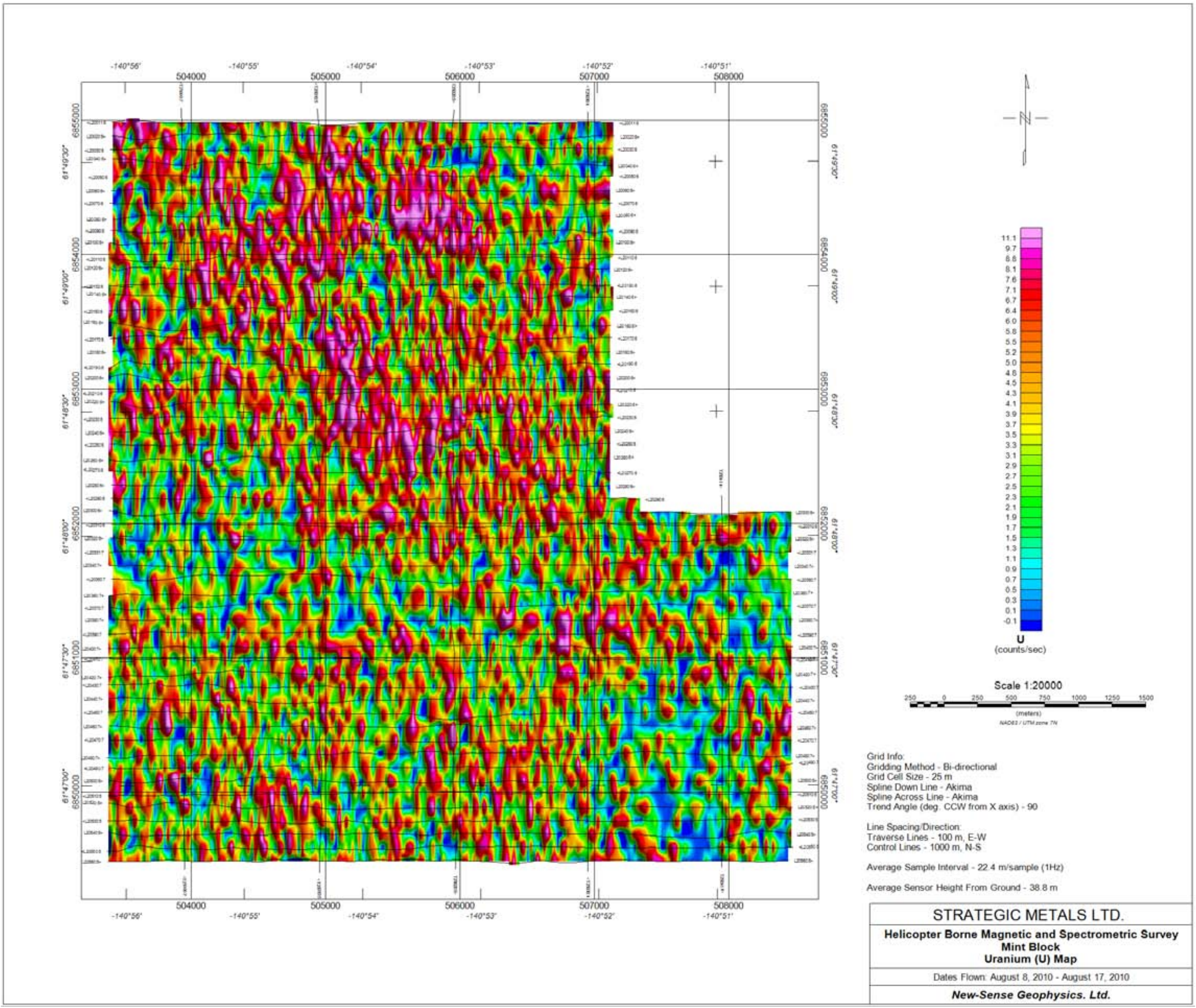
Mint Block Image of Potassium Map



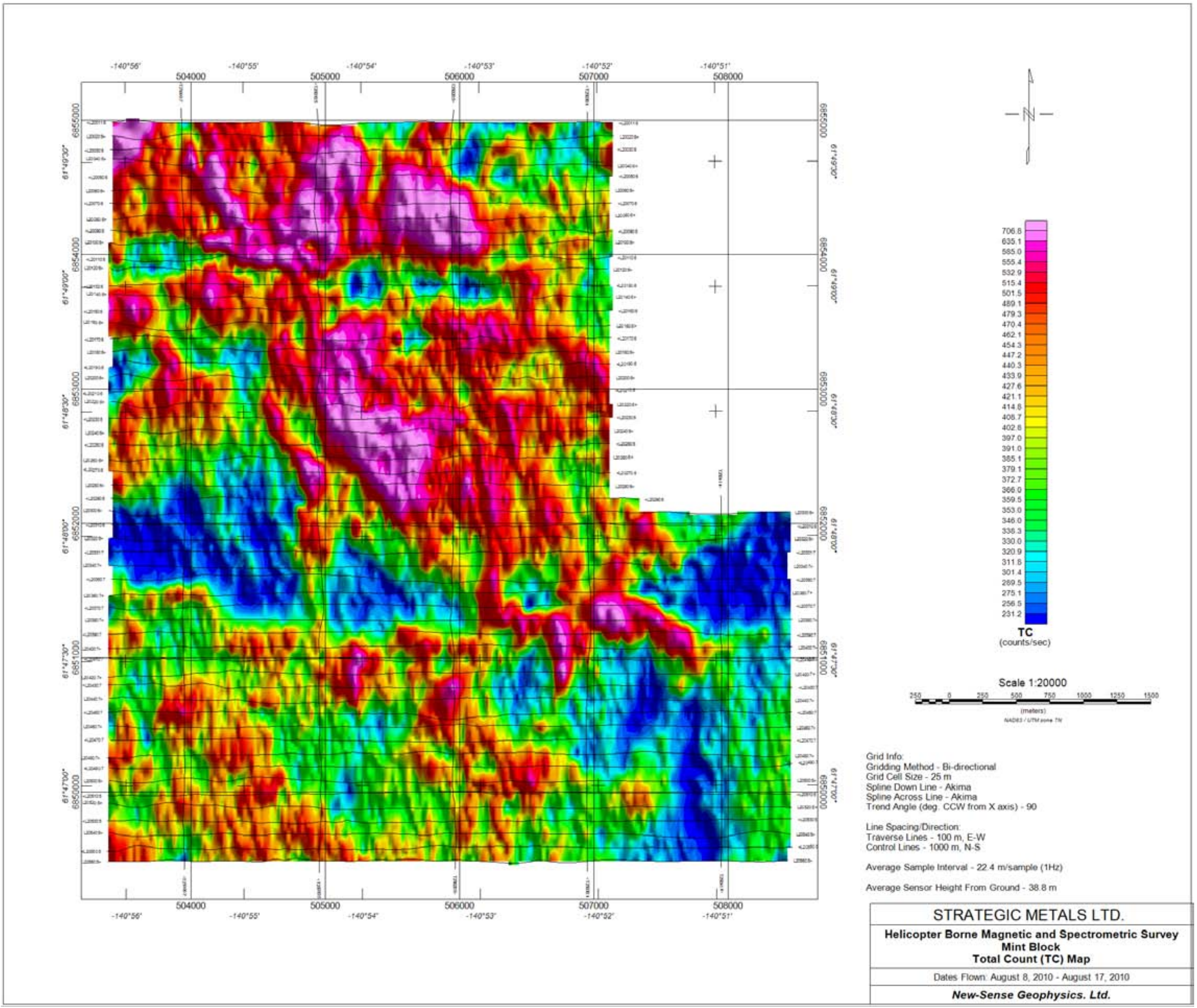
Mint Block Image of Thorium Map



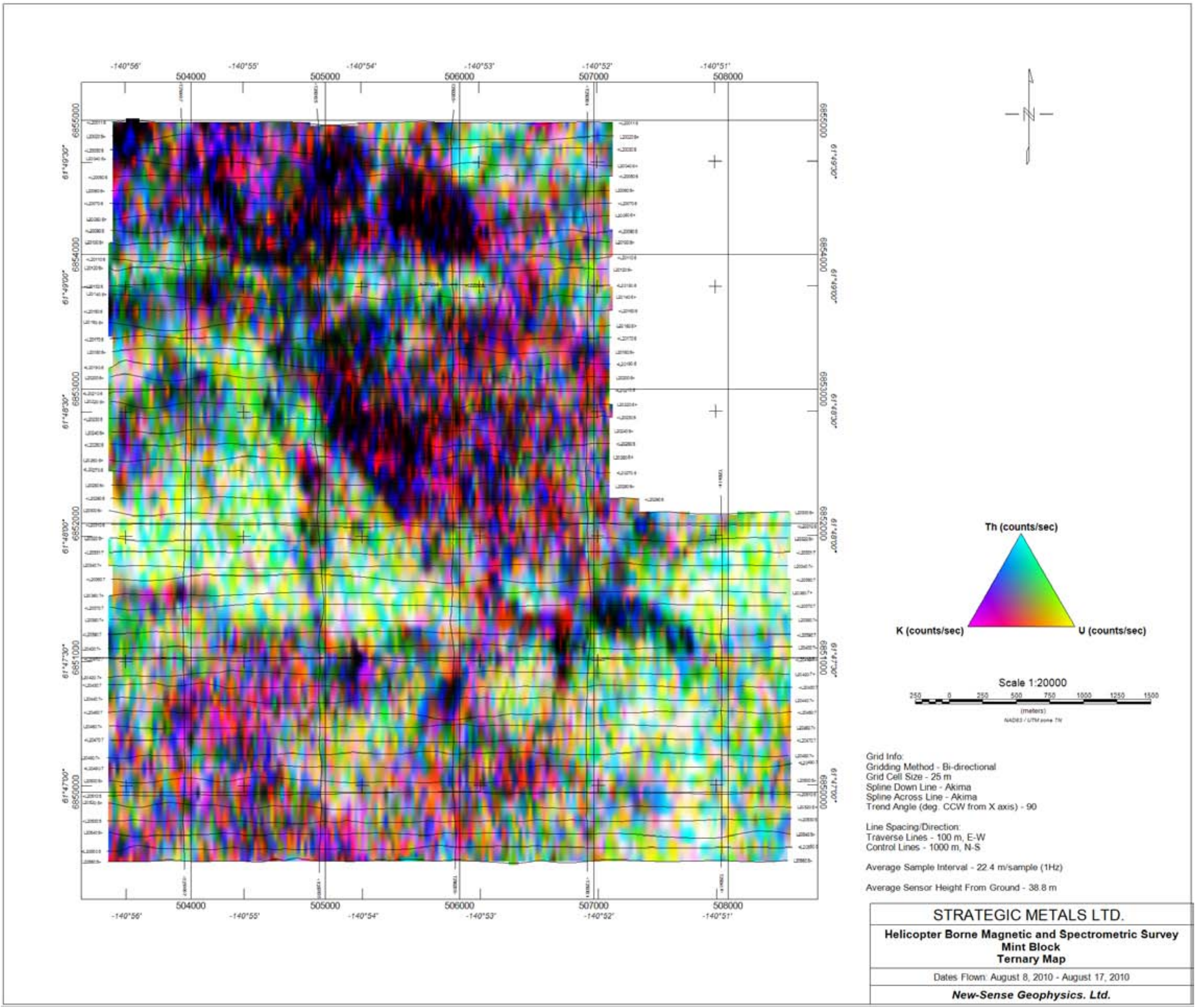
Mint Block Image of Uranium Map



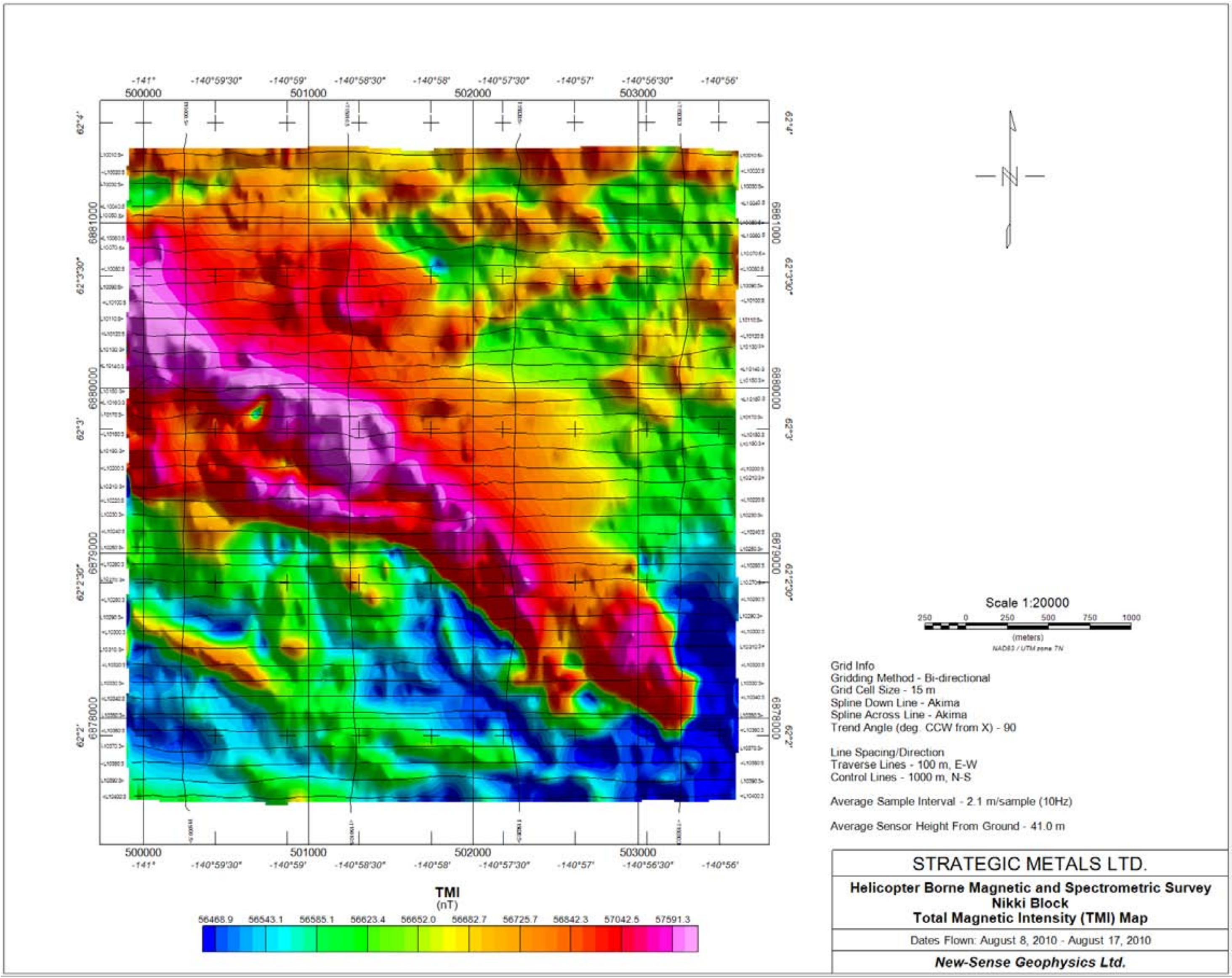
Mint Block Image of Total Count Map



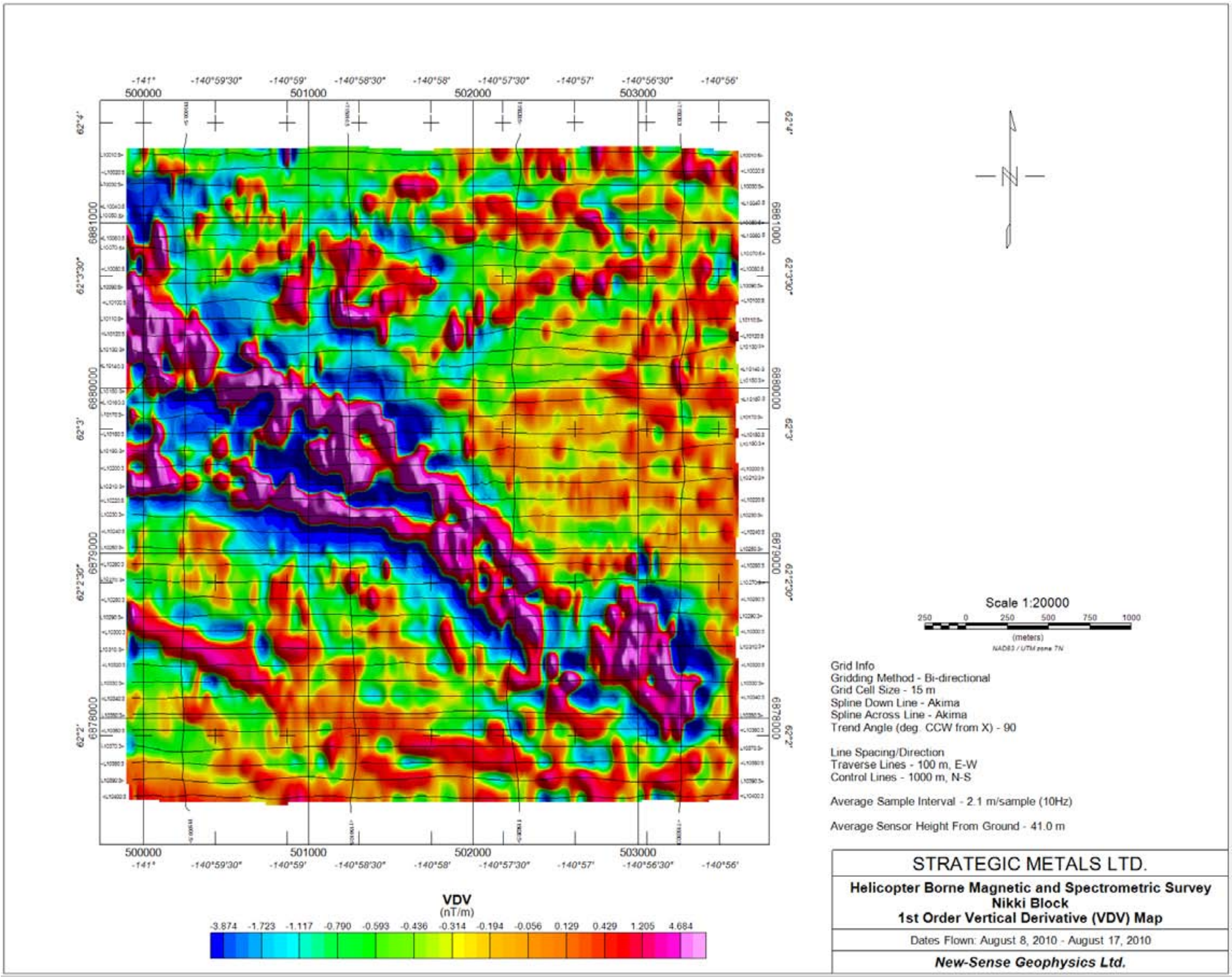
Mint Block Image of Ternary Map



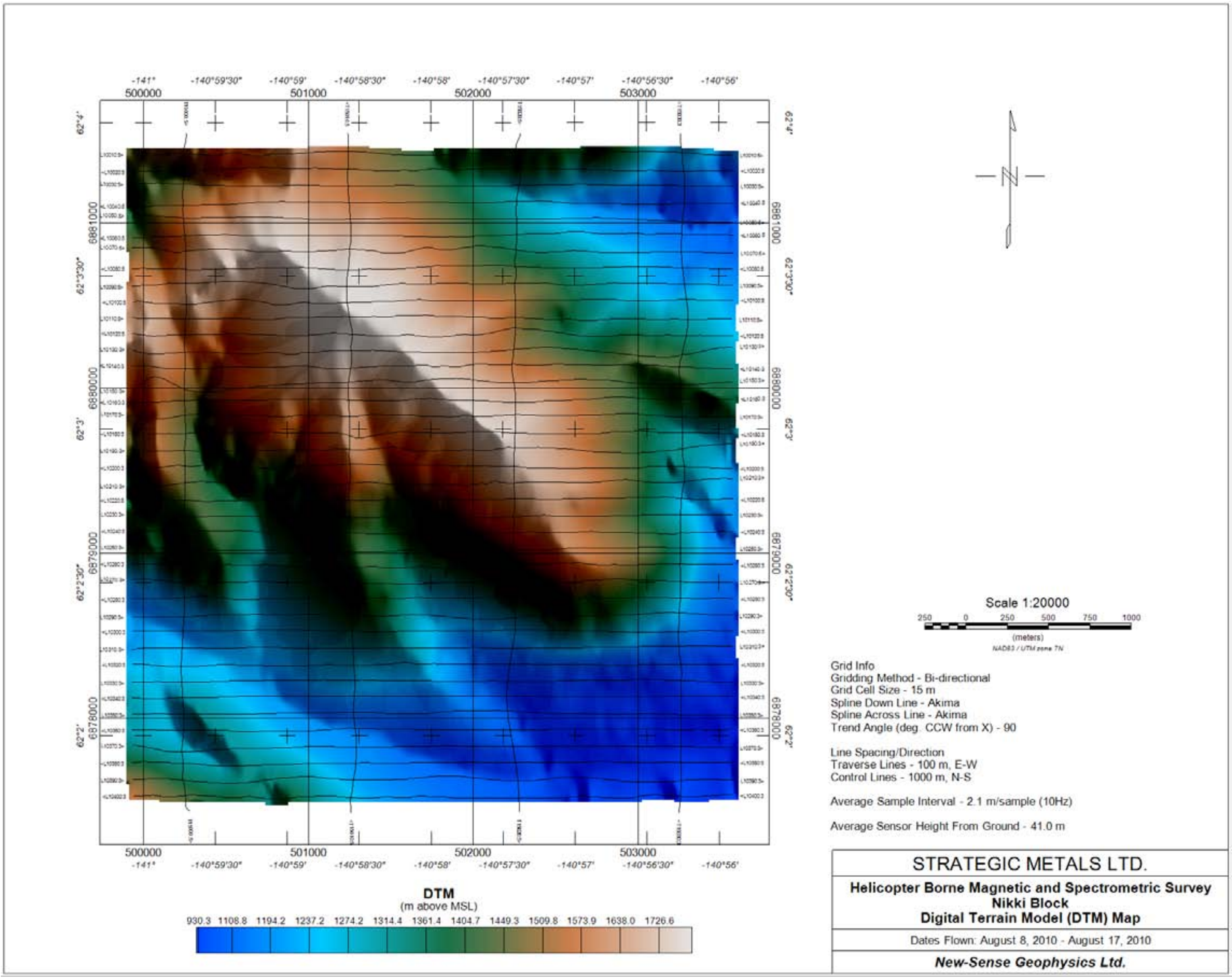
Nikki Block Image of TMI FINAL Map



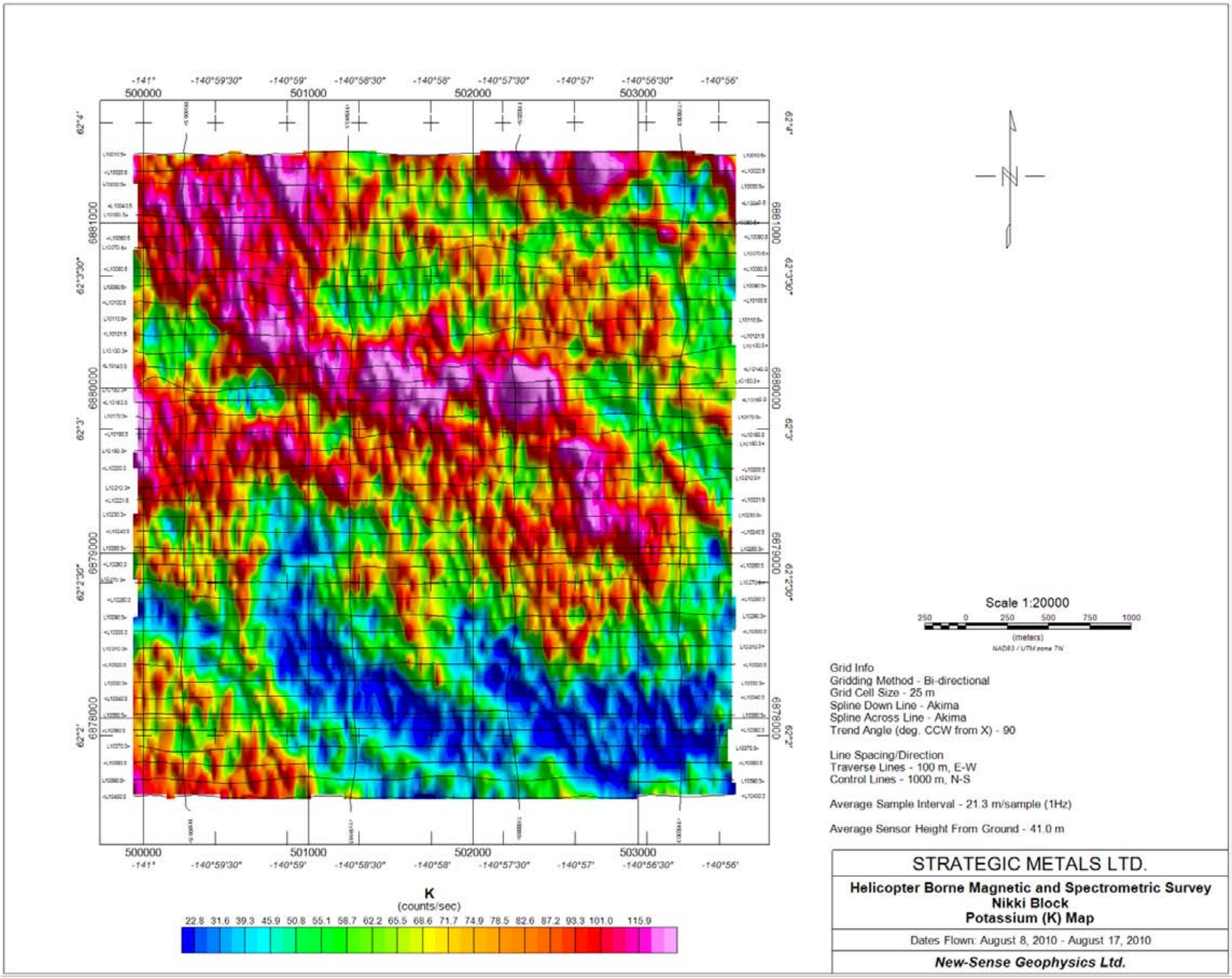
Nikki Block Image of VDV Map



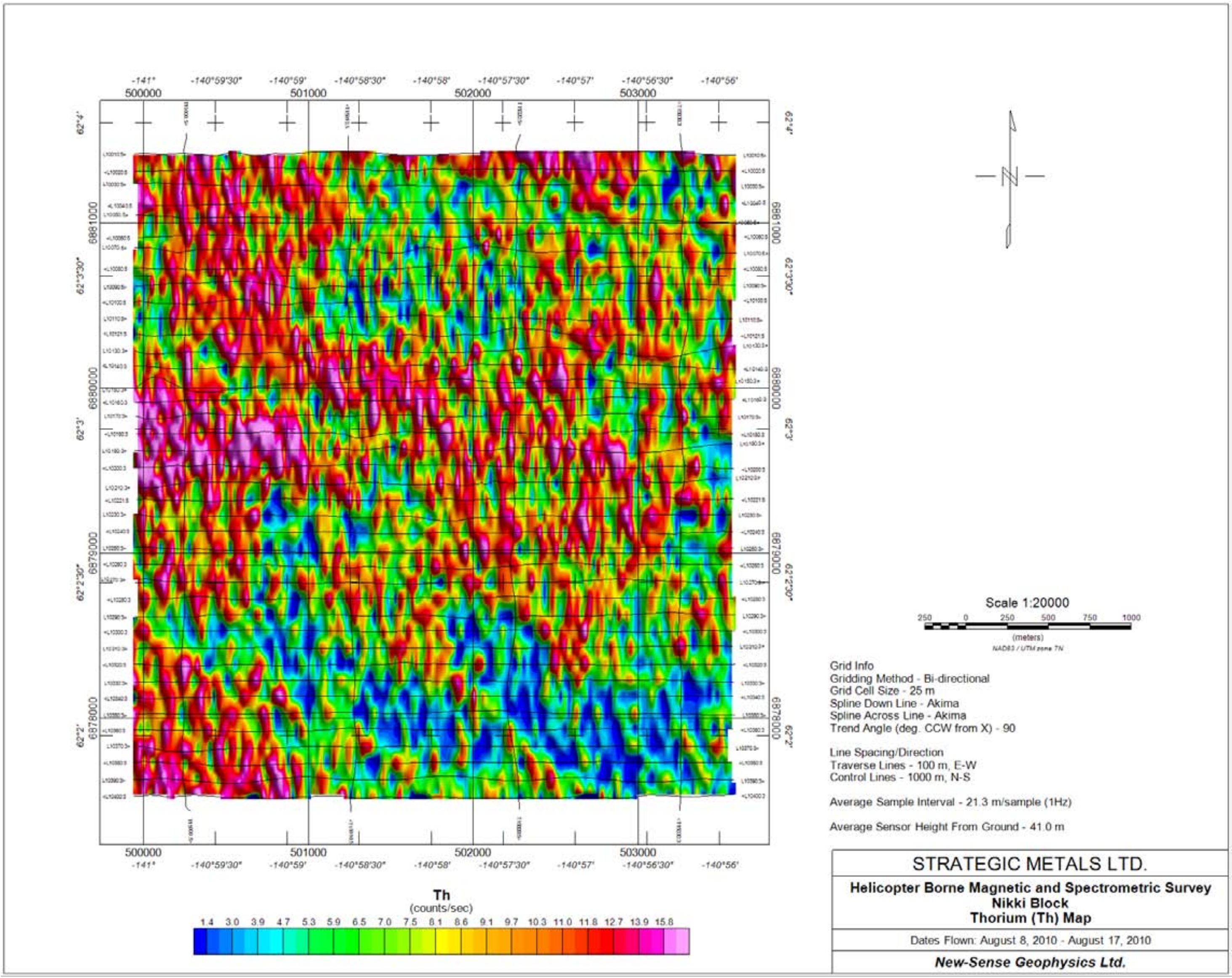
Nikki Block Image of DTM Map



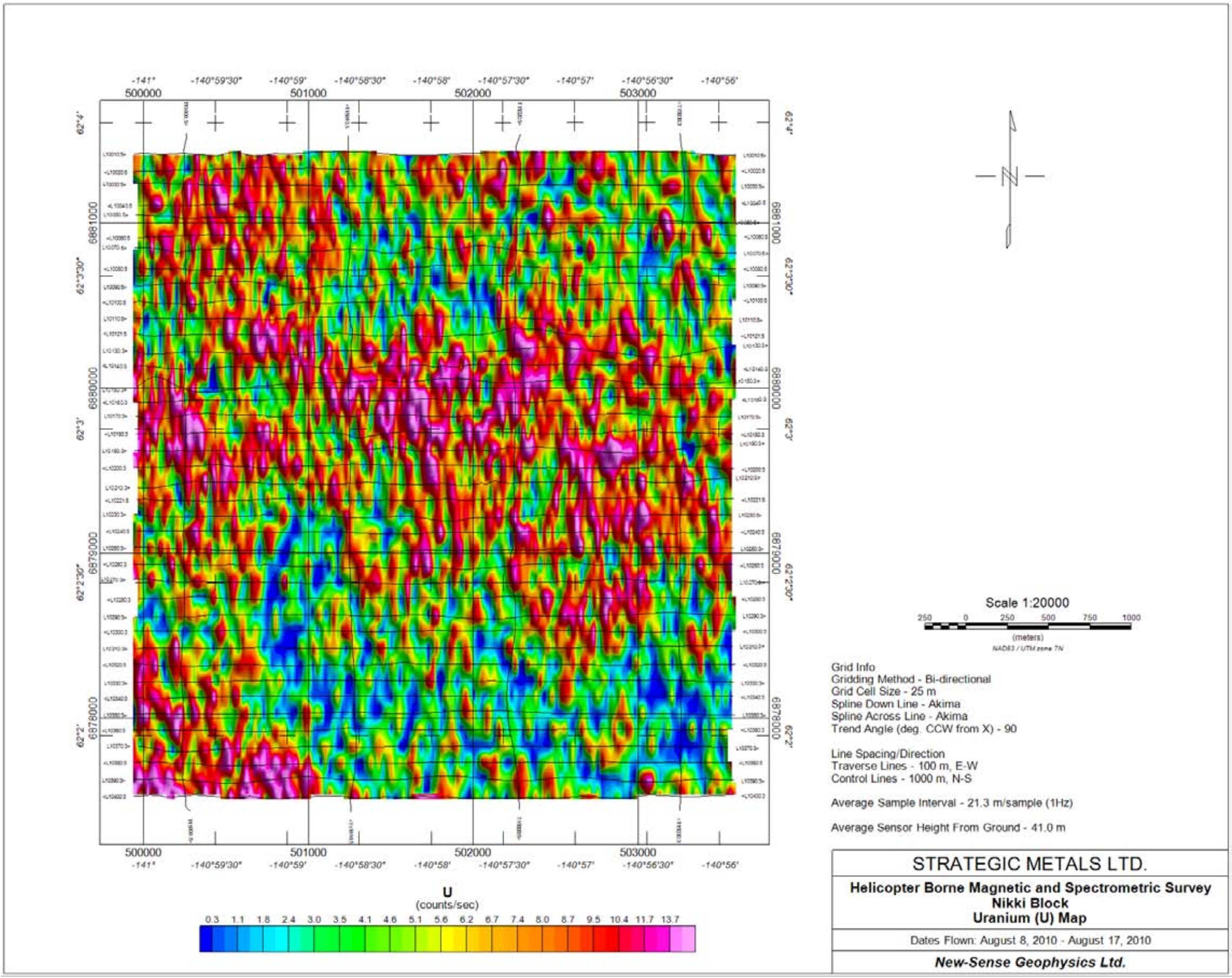
Nikki Block Image of Potassium Map



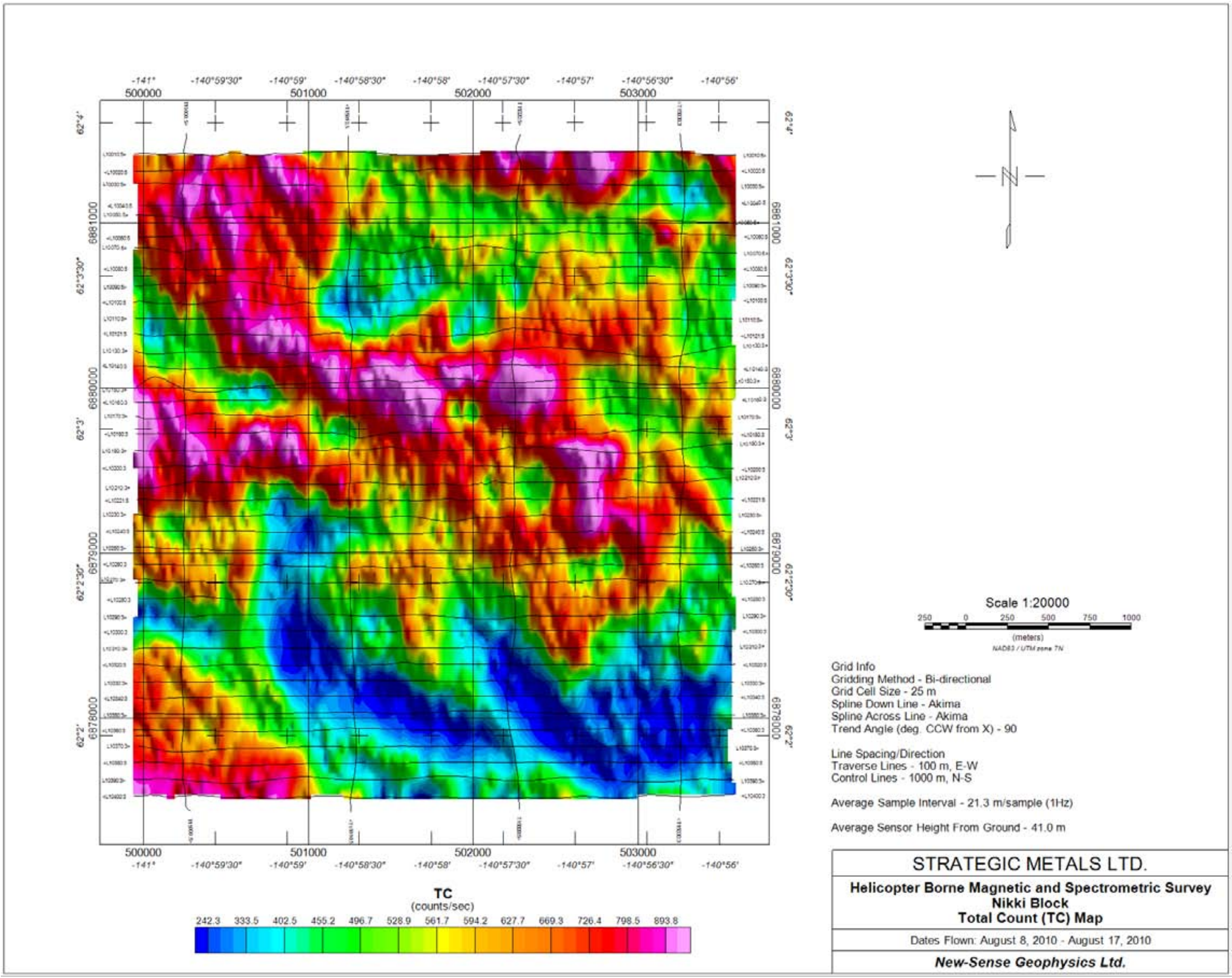
Nikki Block Image of Thorium Map



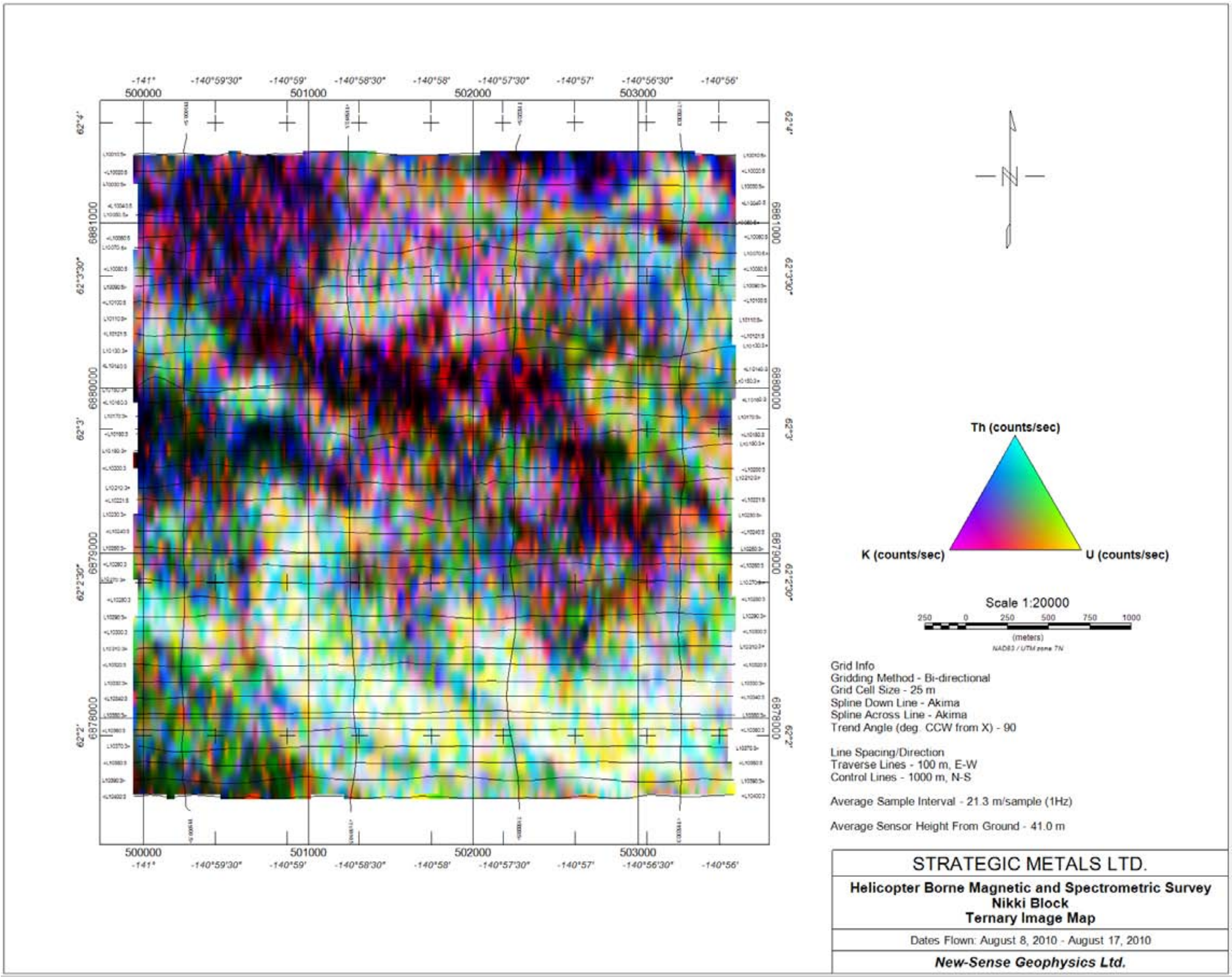
Nikki Block Image of Uranium Map



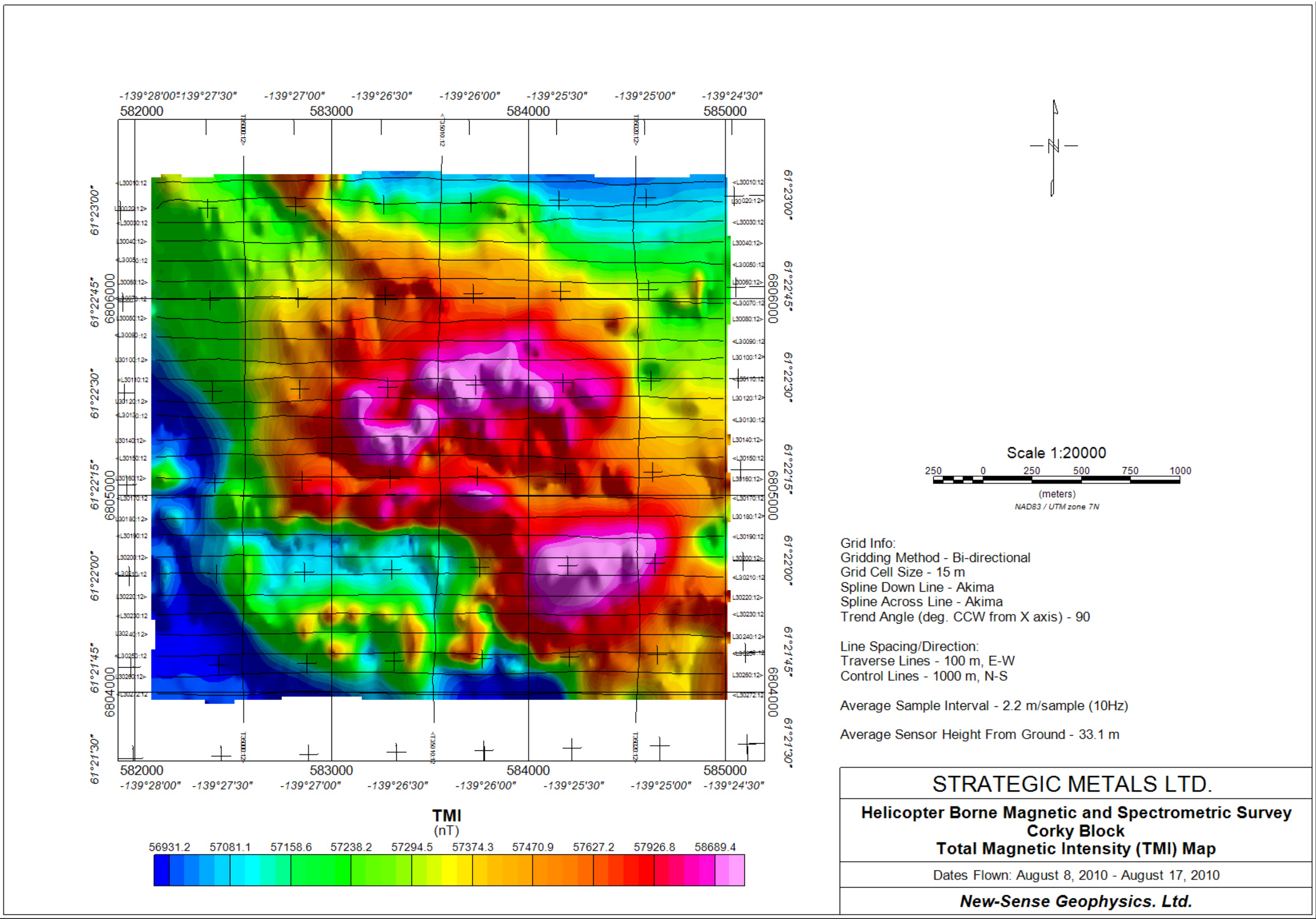
Nikki Block Image of Total Count Map



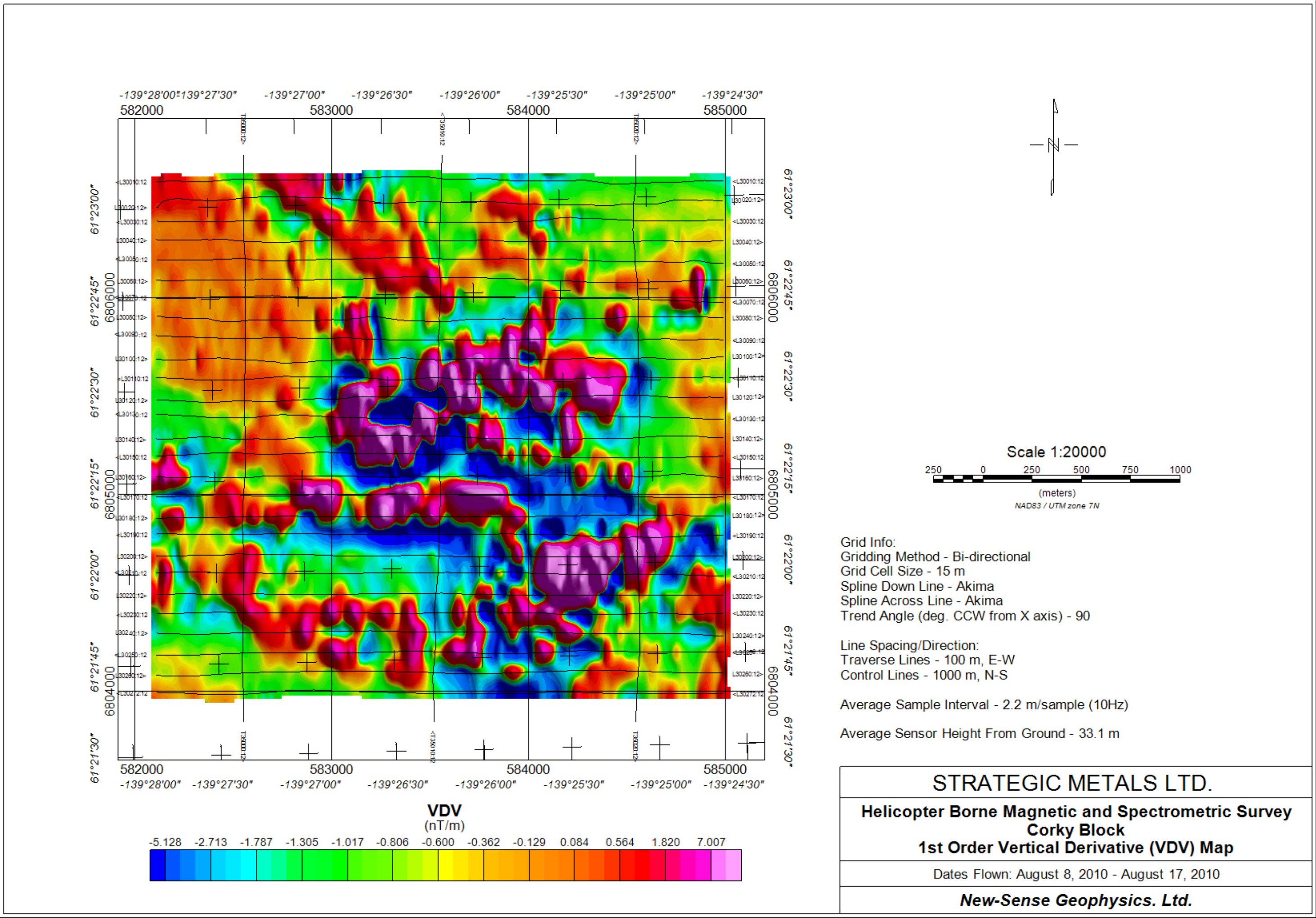
Nikki Block Image of Ternary Map



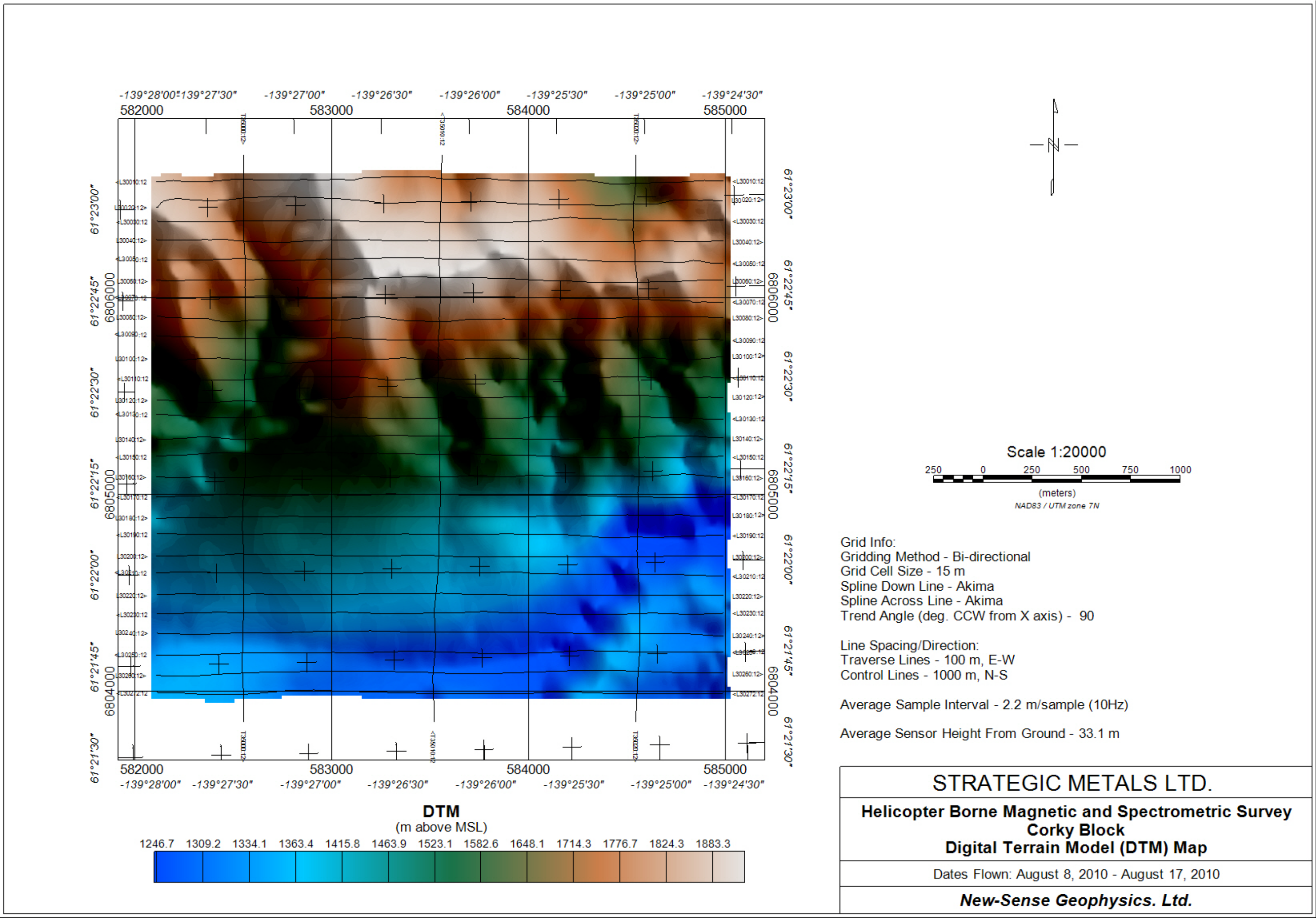
Corky Block Image of TMI FINAL Map



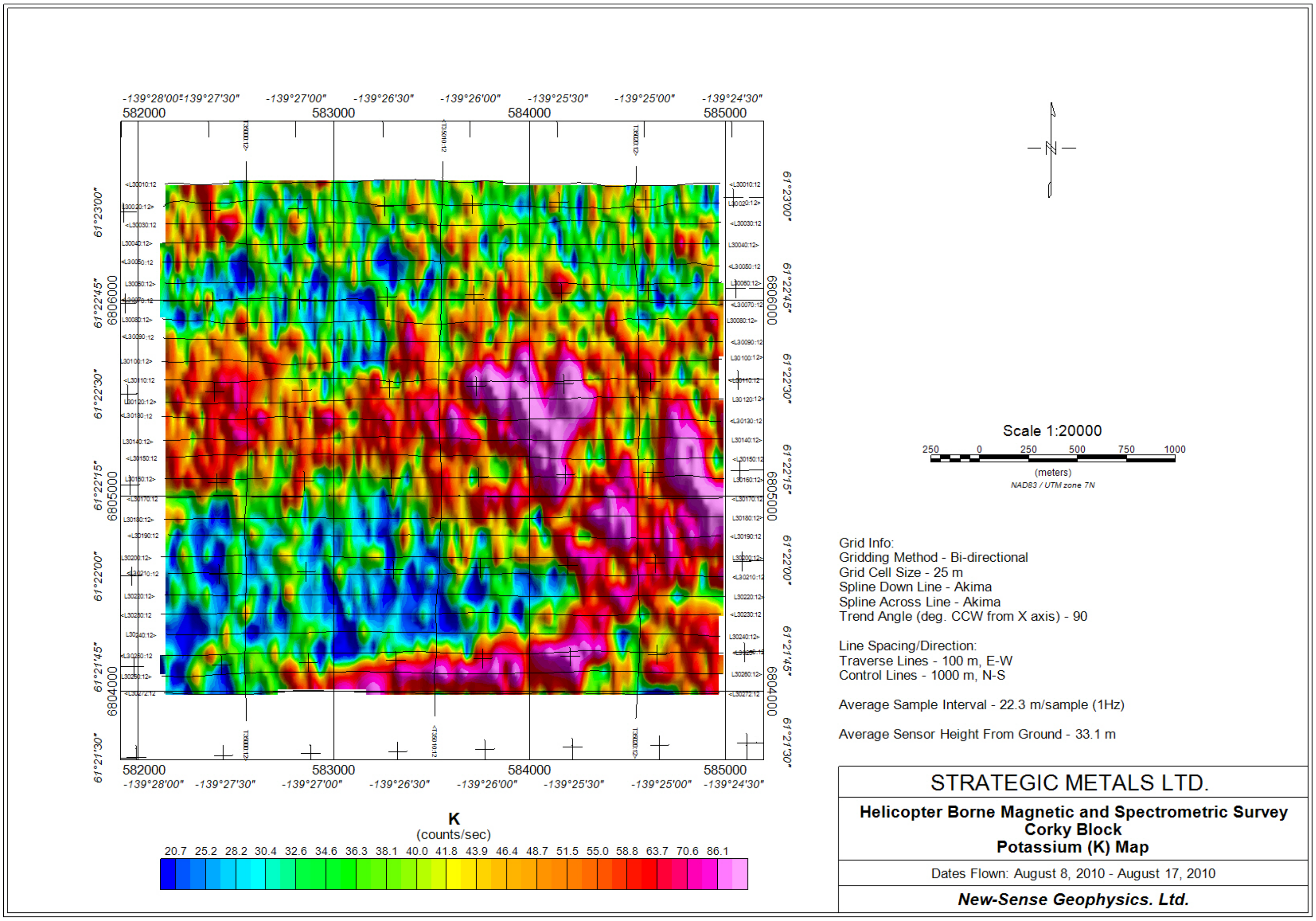
Corky Block Image of VDV Map



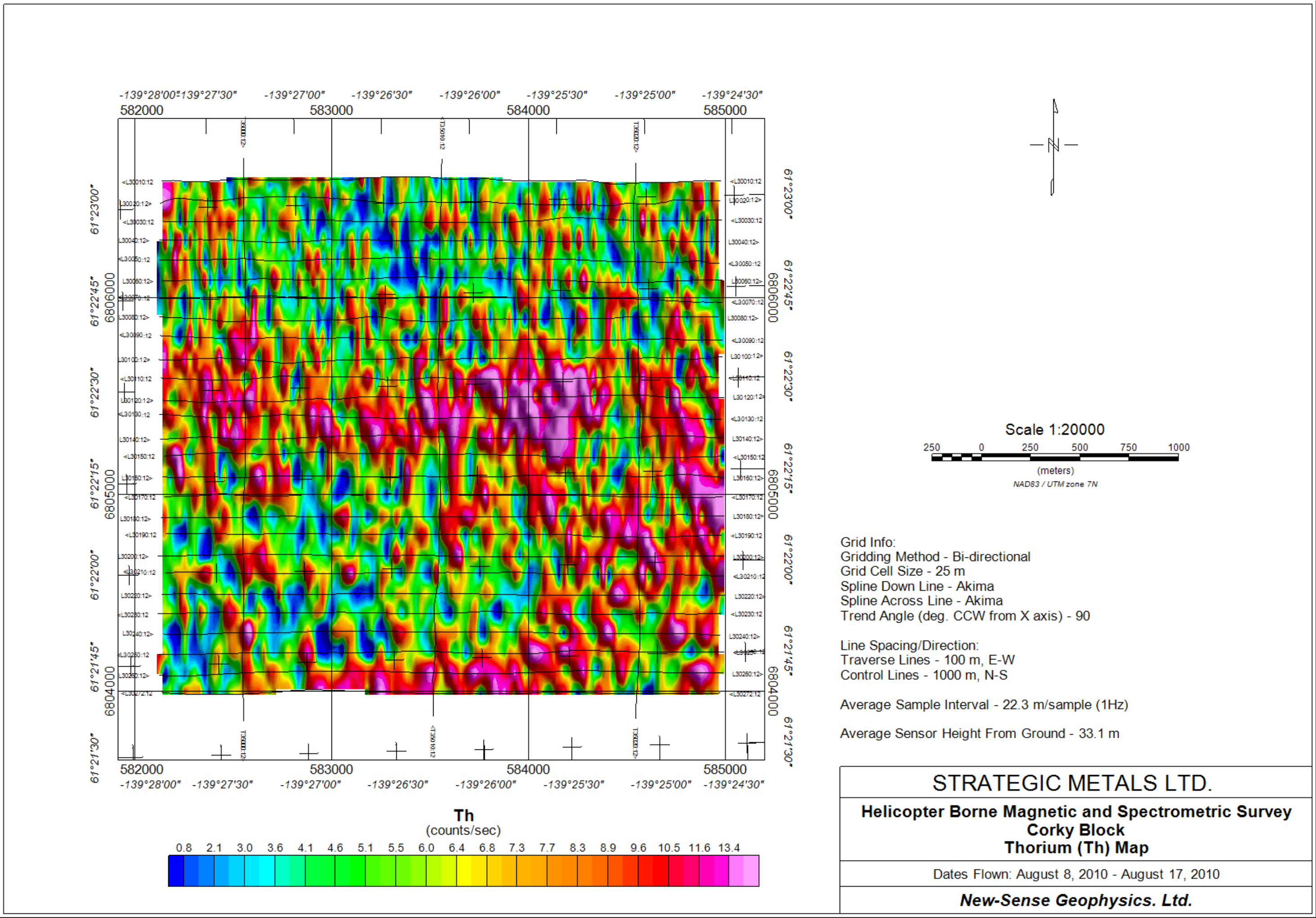
Corky Block Image of DTM Map



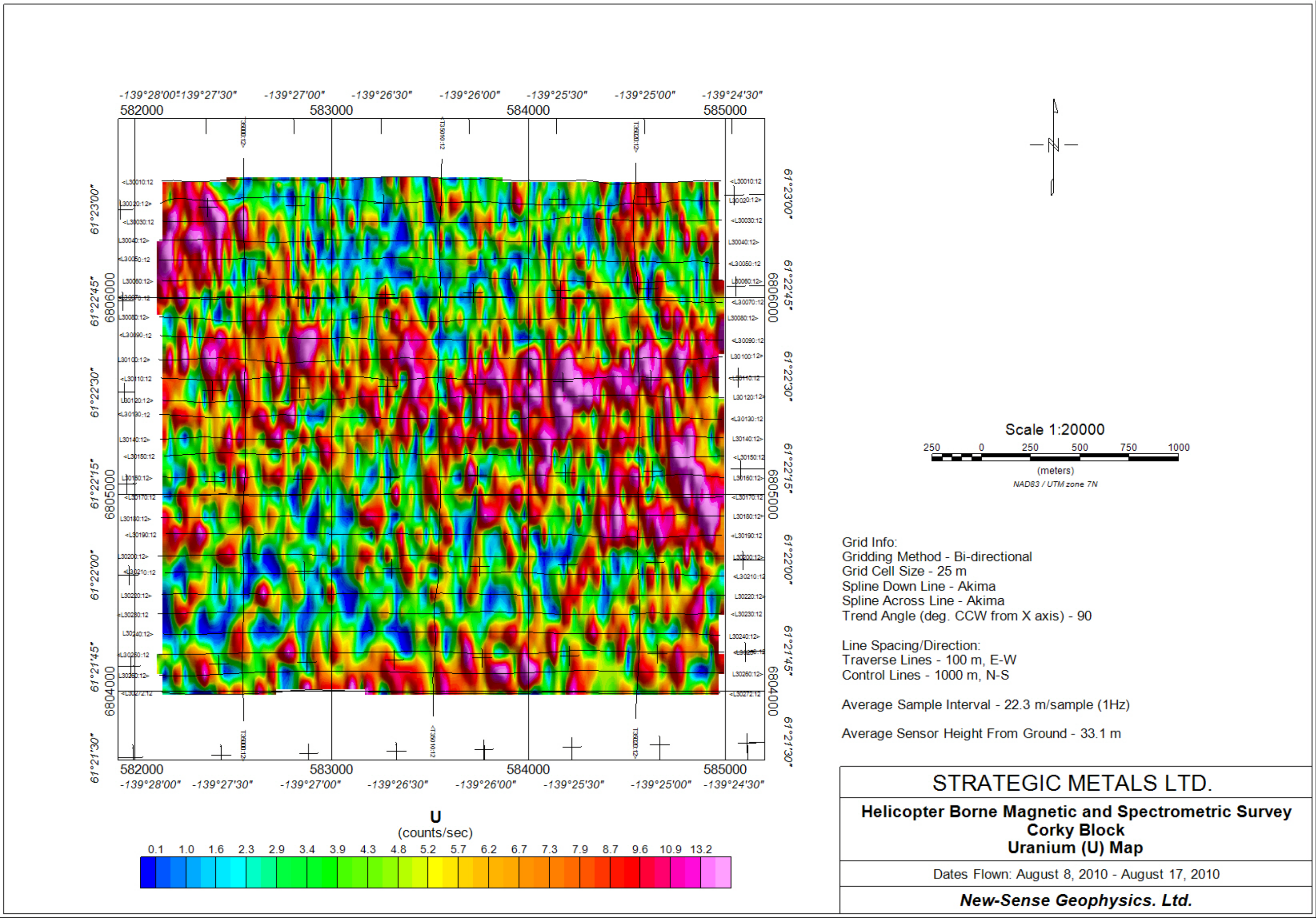
Corky Block Image of Potassium Map



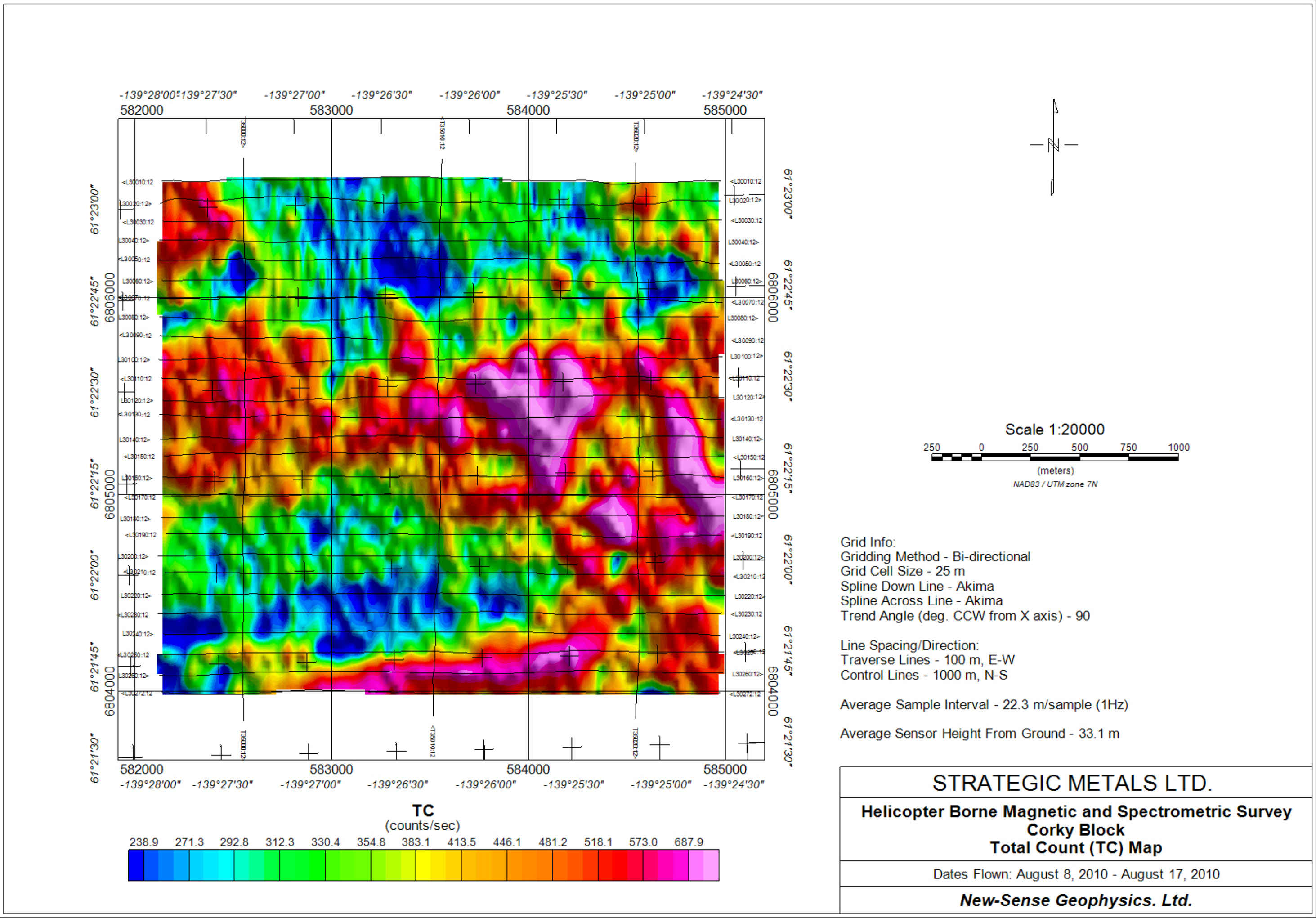
Corky Block Image of Thorium Map



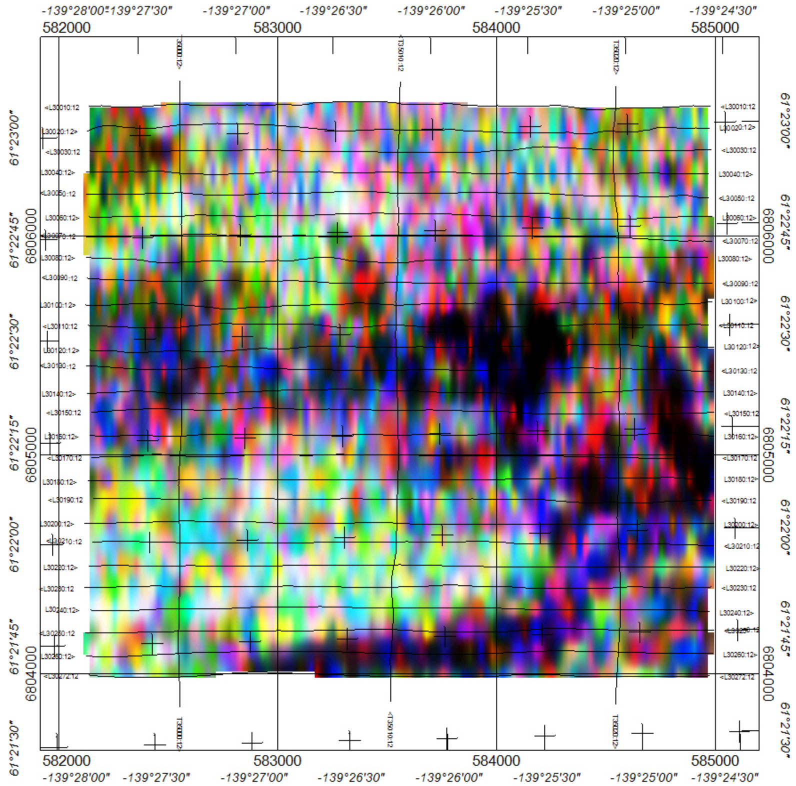
Corky Block Image of Uranium Map

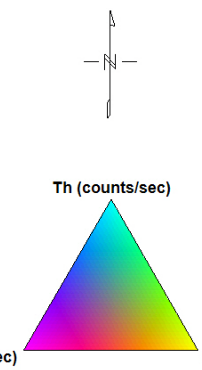


Corky Block Image of Total Count Map



Corky Block Image of Ternary Map





Scale 1:20000

250 0 250 500 750 1000

(meters)

NAD83 / UTM zone 7N

Grid Info:
Gridding Method - Bi-directional
Grid Cell Size - 25 m
Spline Down Line - Akima
Spline Across Line - Akima
Trend Angle (deg. CCW from X axis) - 90

Line Spacing/Direction:
Traverse Lines - 100 m, E-W
Control Lines - 1000 m, N-S

Average Sample Interval - 22.3 m/sample (1Hz)

Average Sensor Height From Ground - 33.1 m

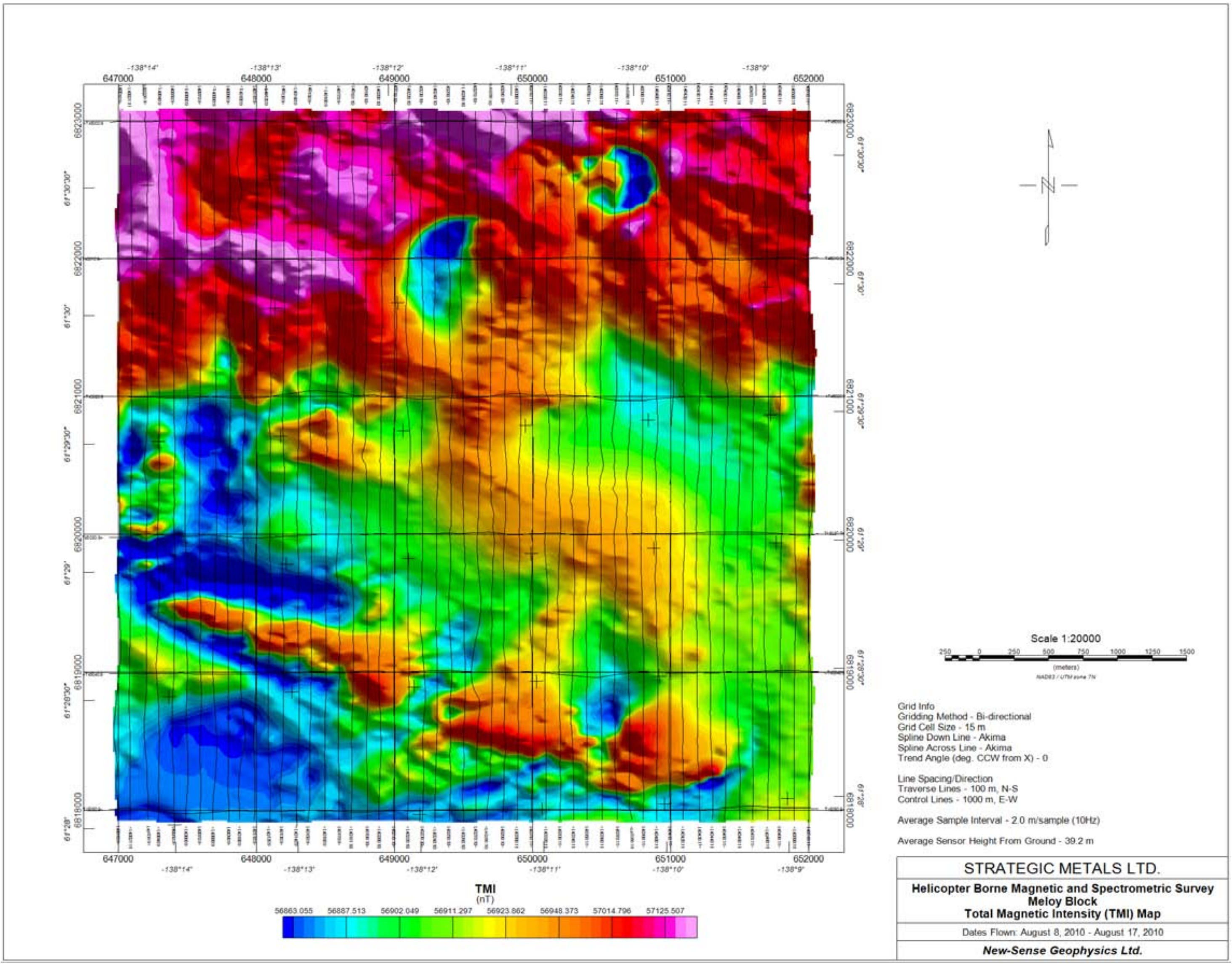
STRATEGIC METALS LTD.

Helicopter Borne Magnetic and Spectrometric Survey
Corky Block
Ternary Map

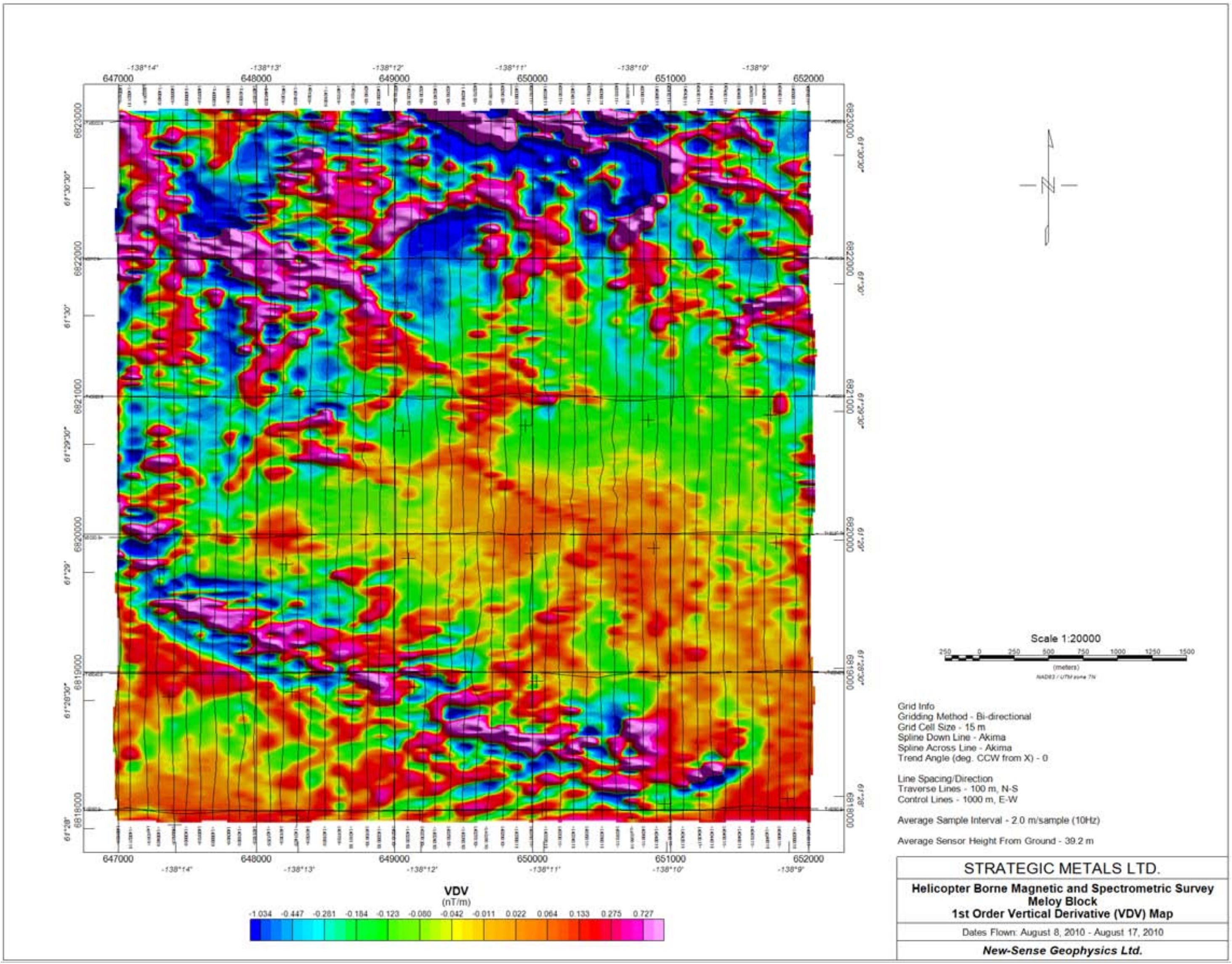
Dates Flown: August 8, 2010 - August 17, 2010

New-Sense Geophysics. Ltd.

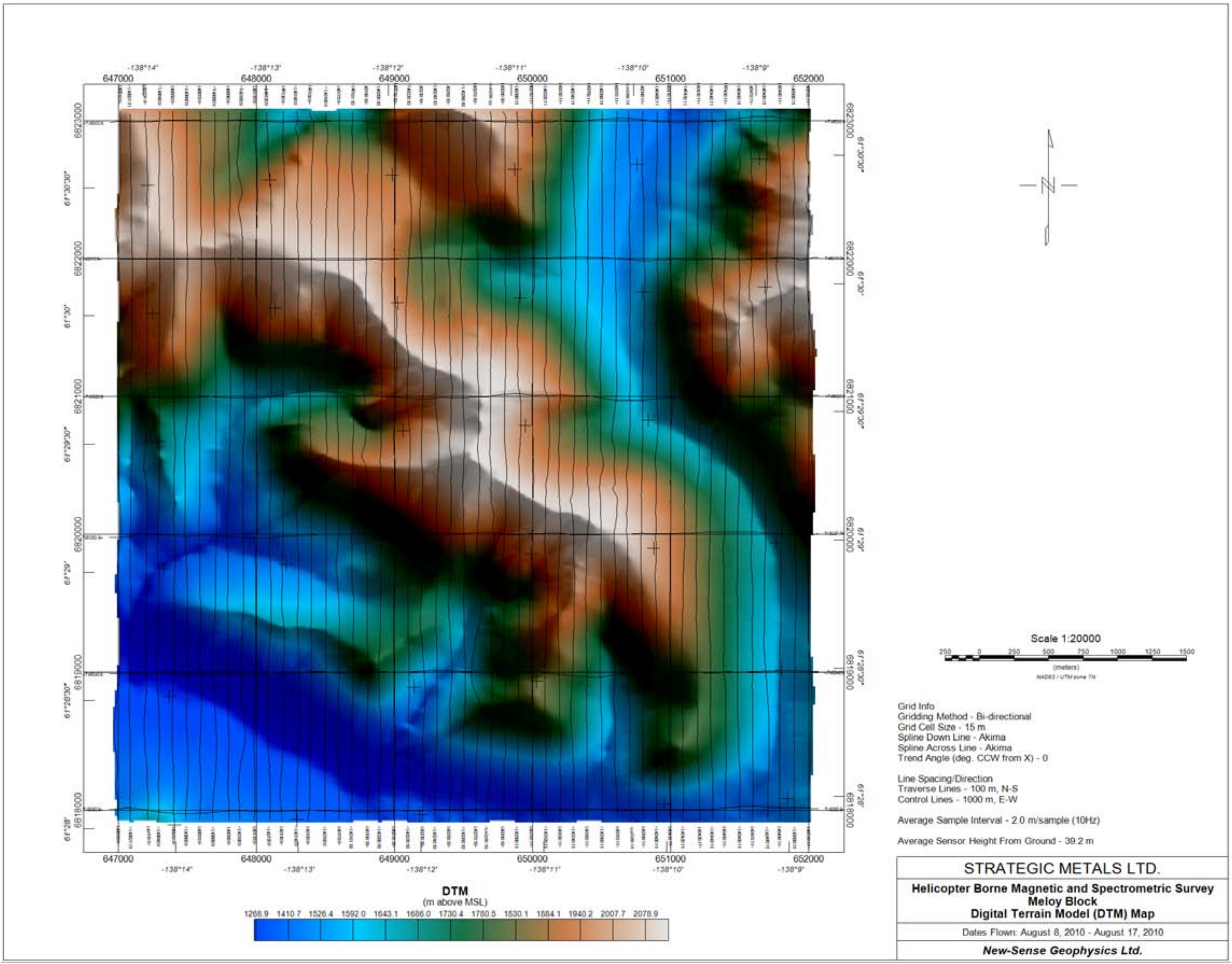
Meloy Block Image of TMI FINAL Map



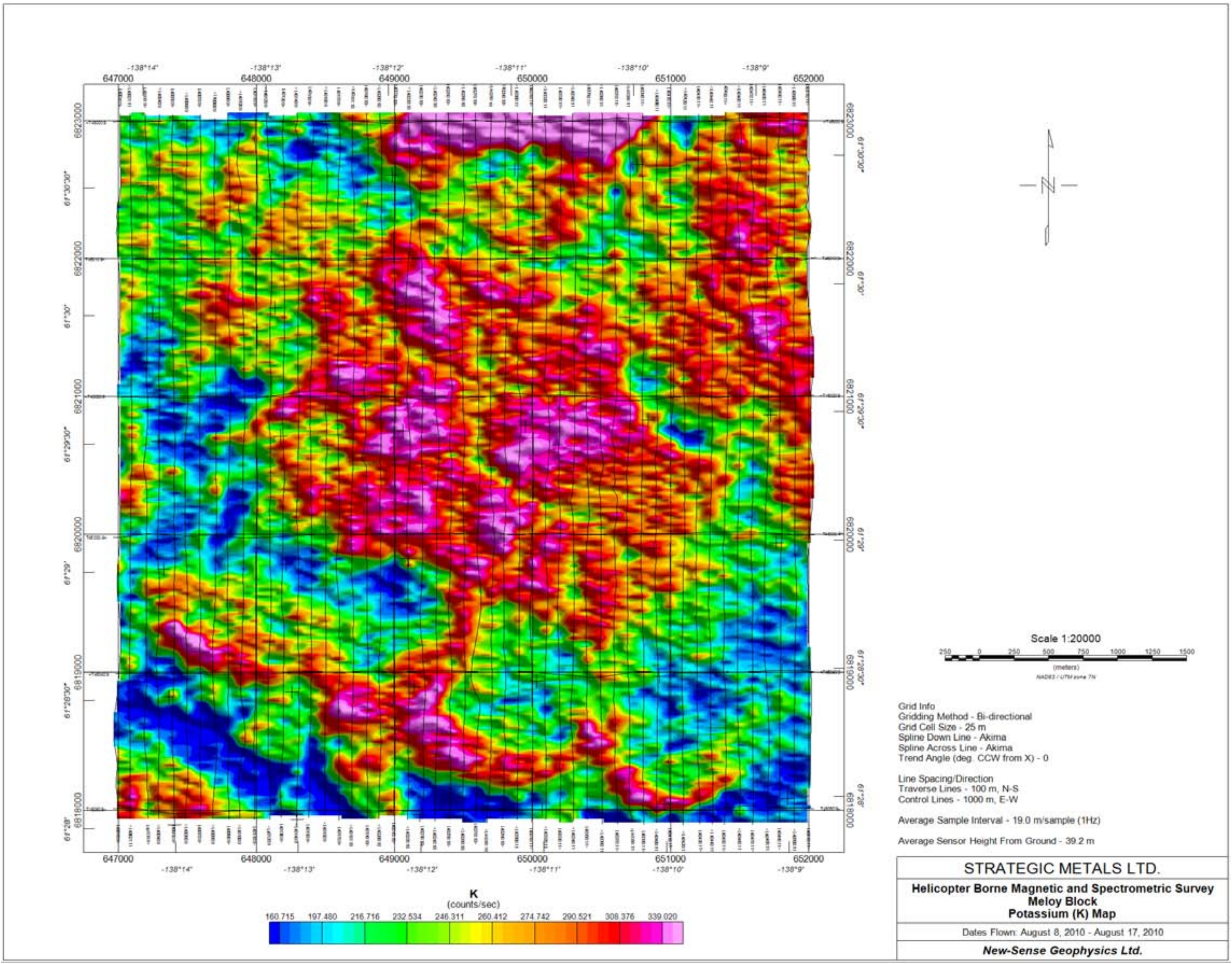
Meloy Block Image of VDV Map



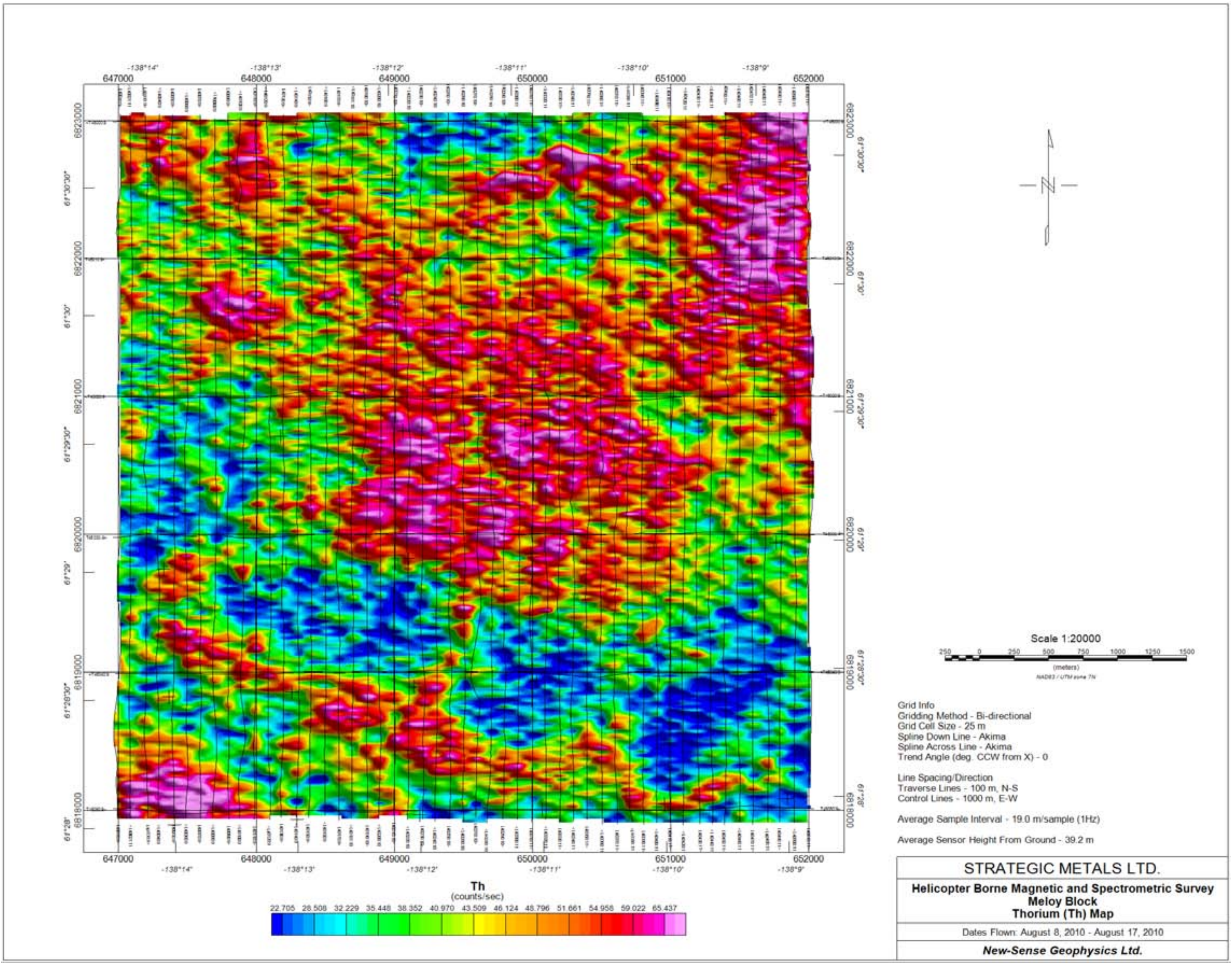
Meloy Block Image of DTM Map



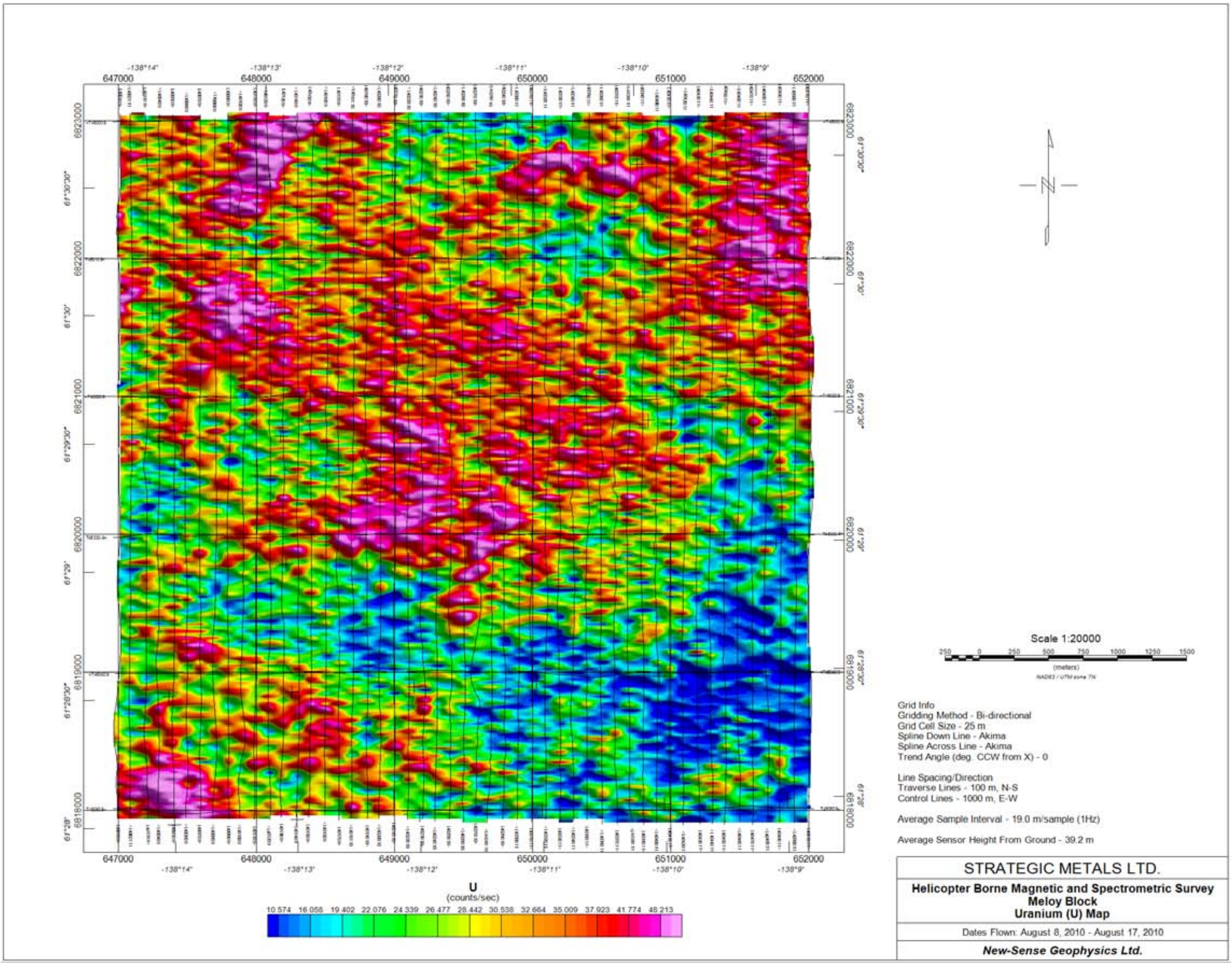
Meloy Block Image of Potassium Map



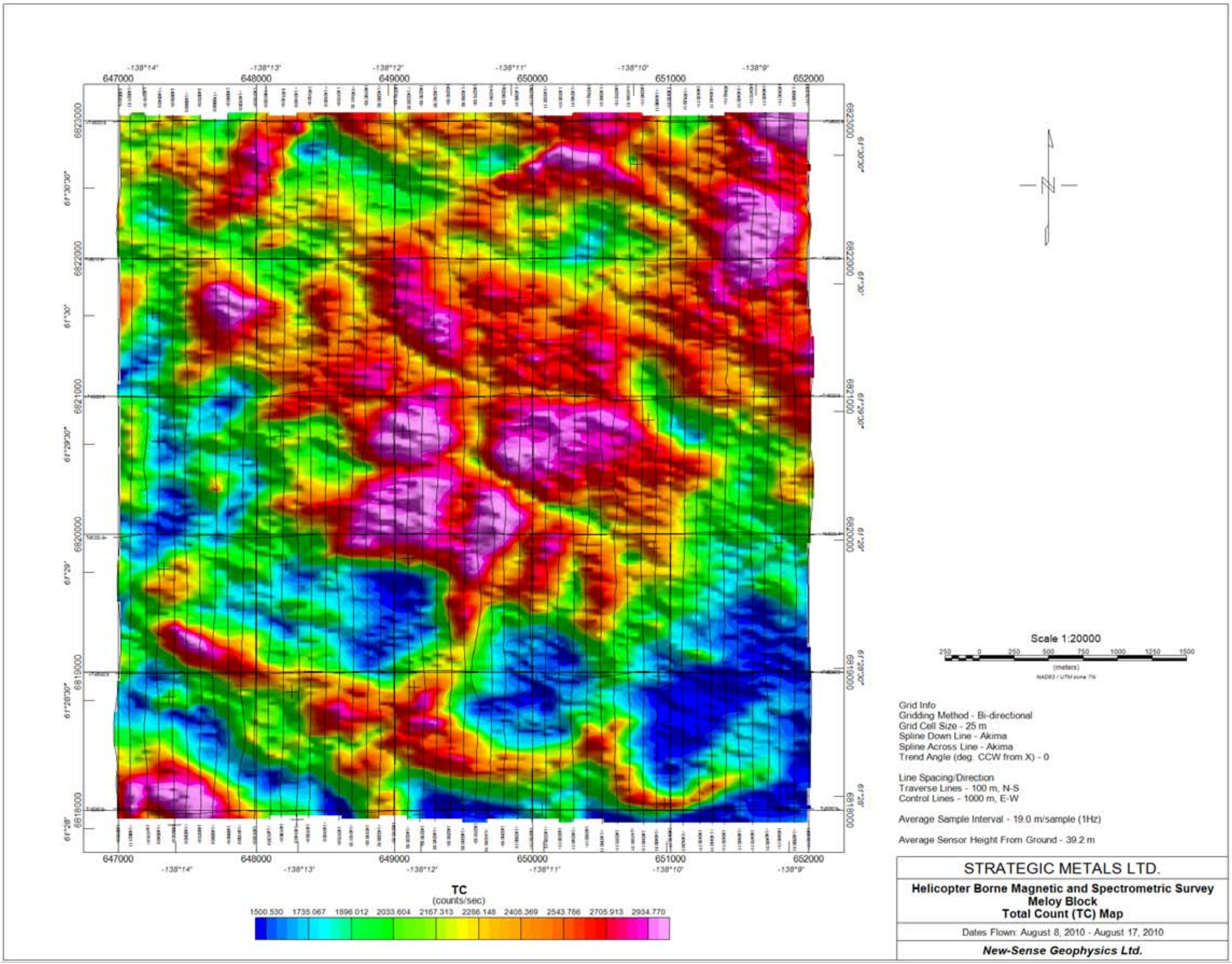
Meloy Block Image of Thorium Map



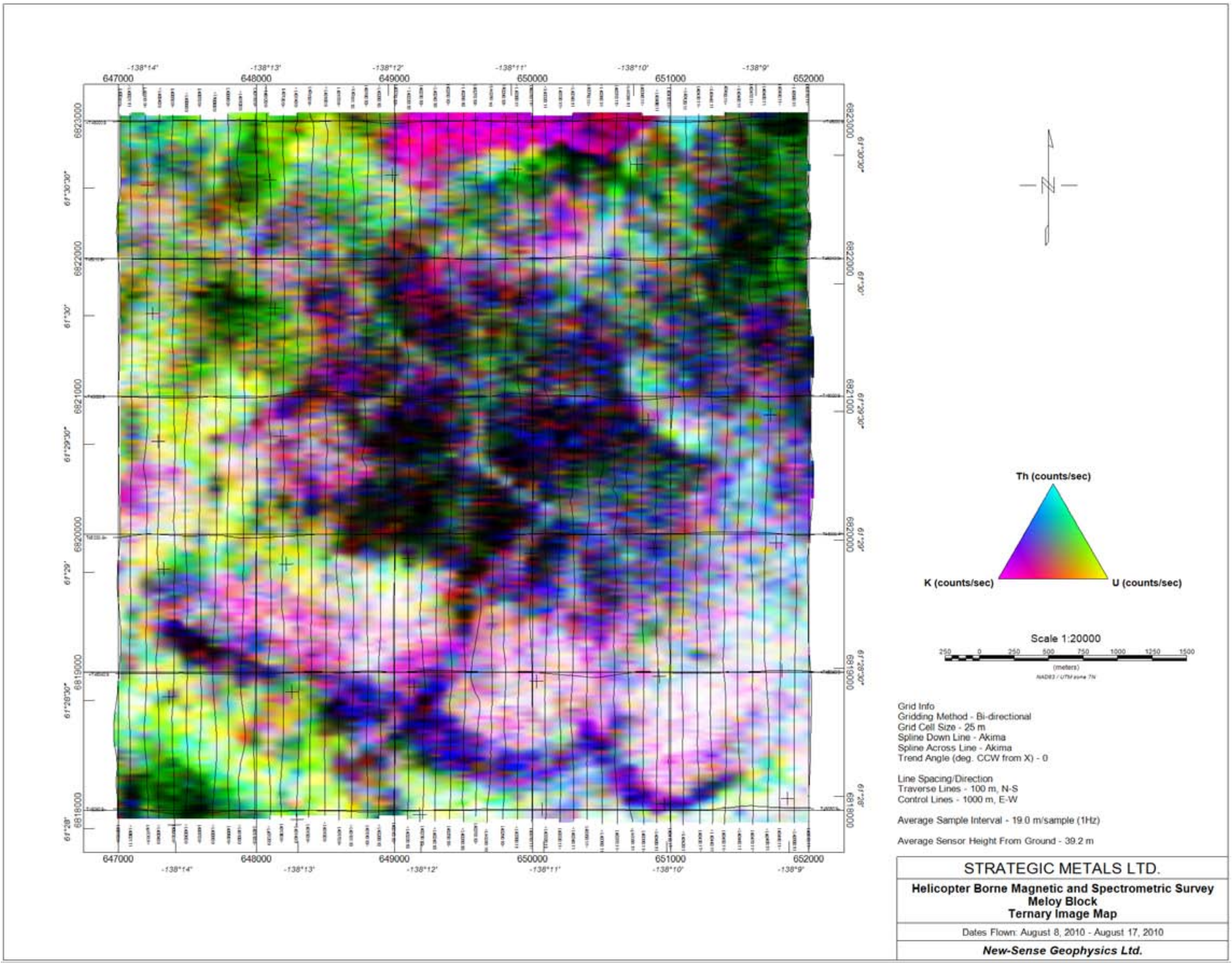
Meloy Block Image of Uranium Map



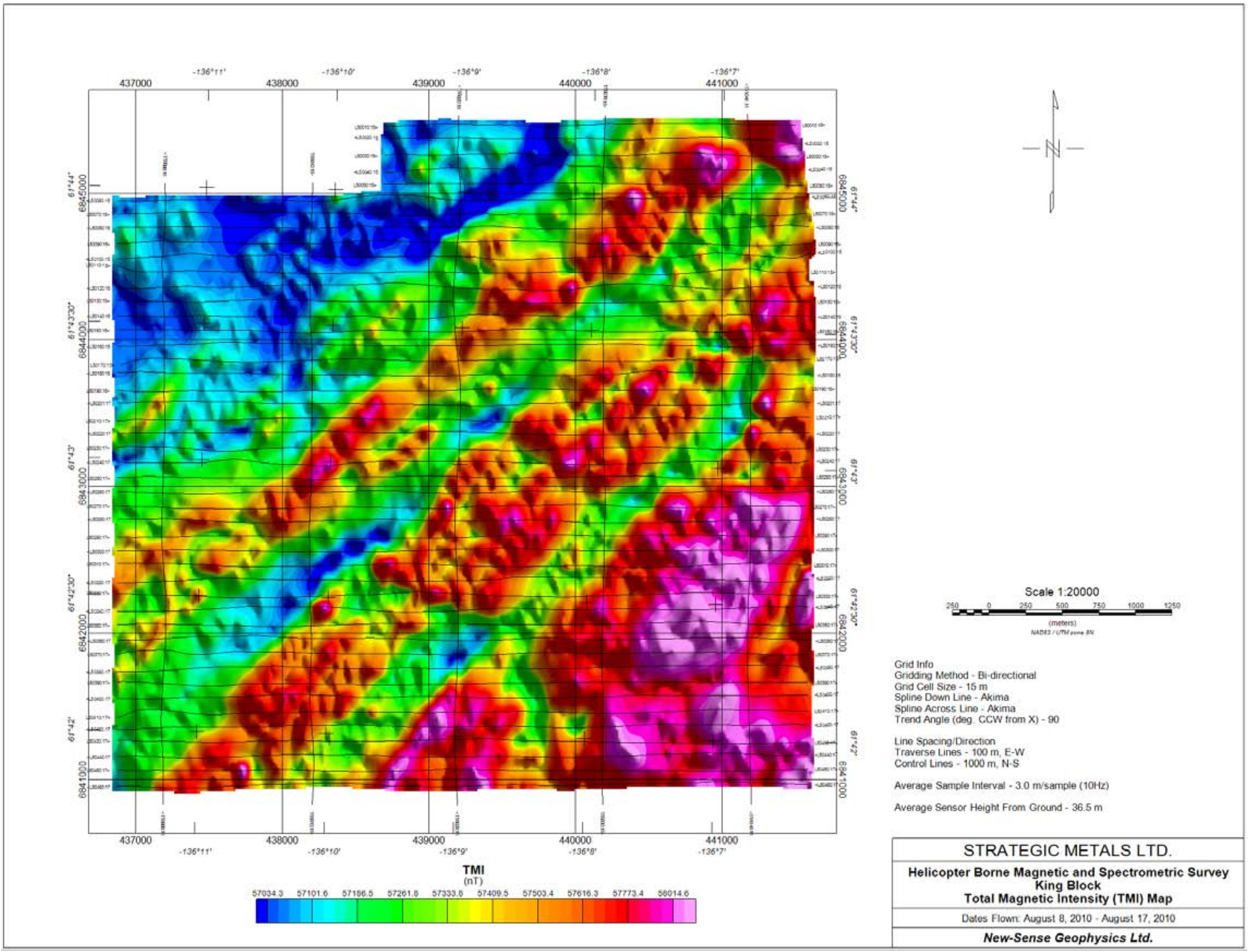
Meloy Block Image of Total Count Map



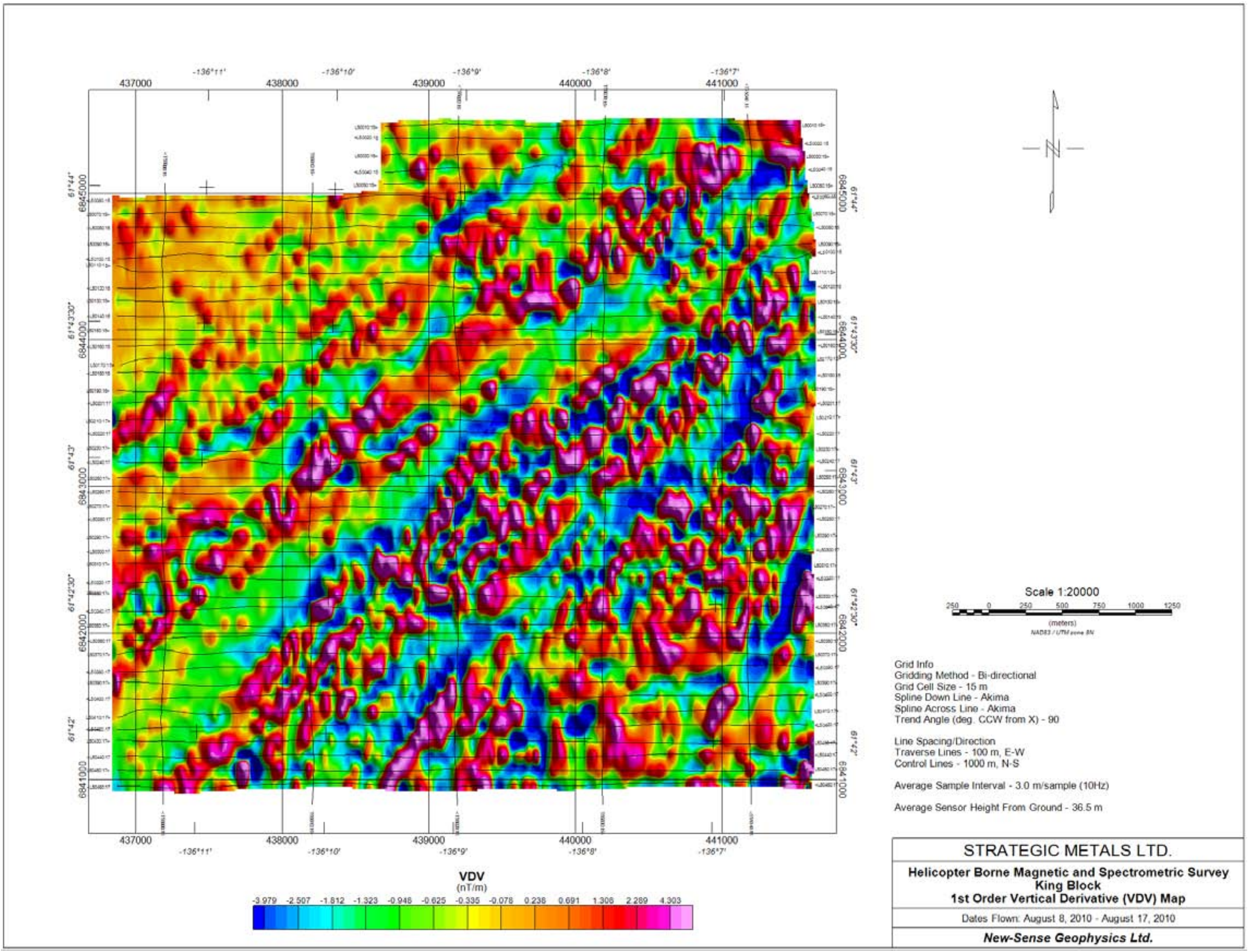
Meloy Block Image of Ternary Map



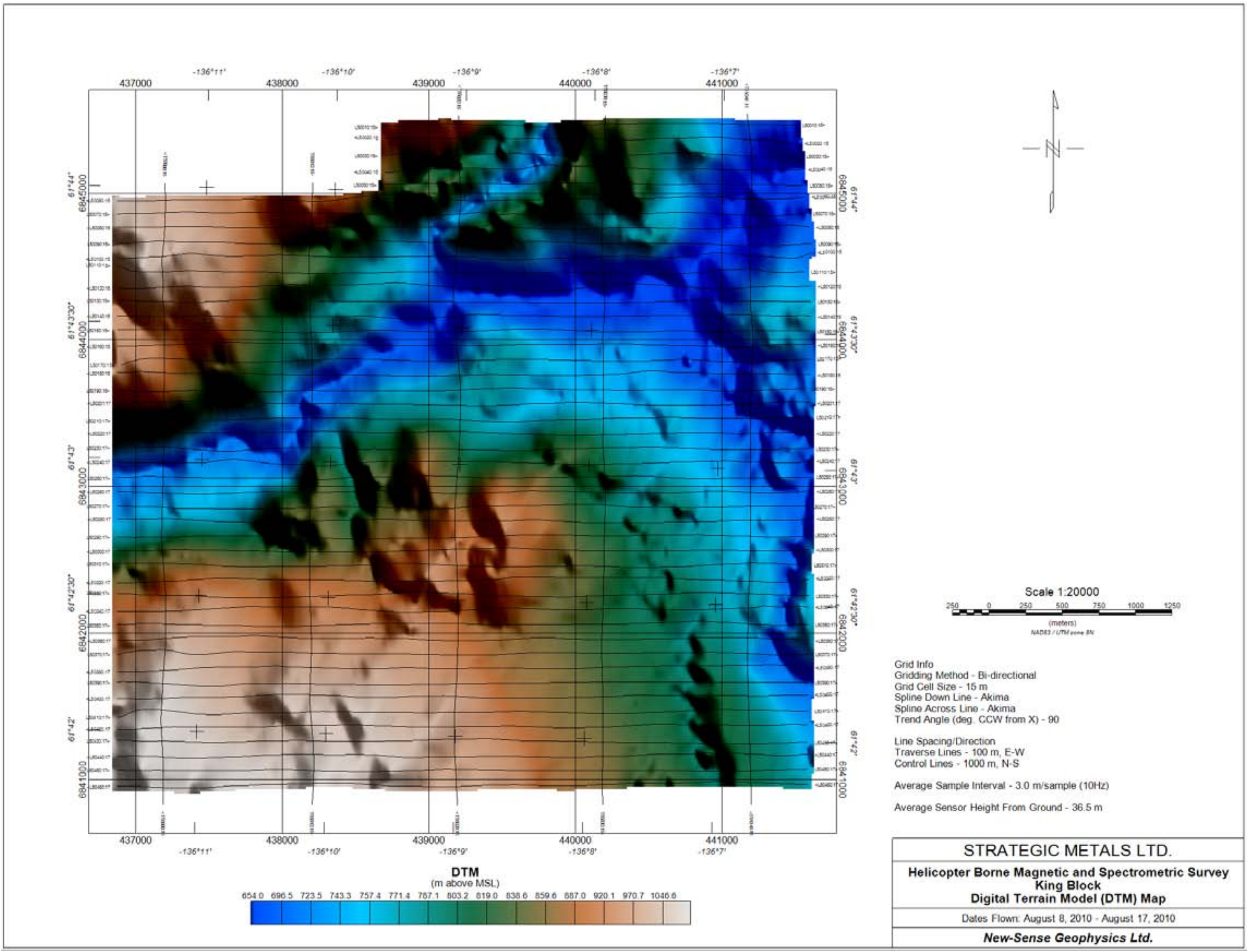
King Block Image of TMI FINAL Map



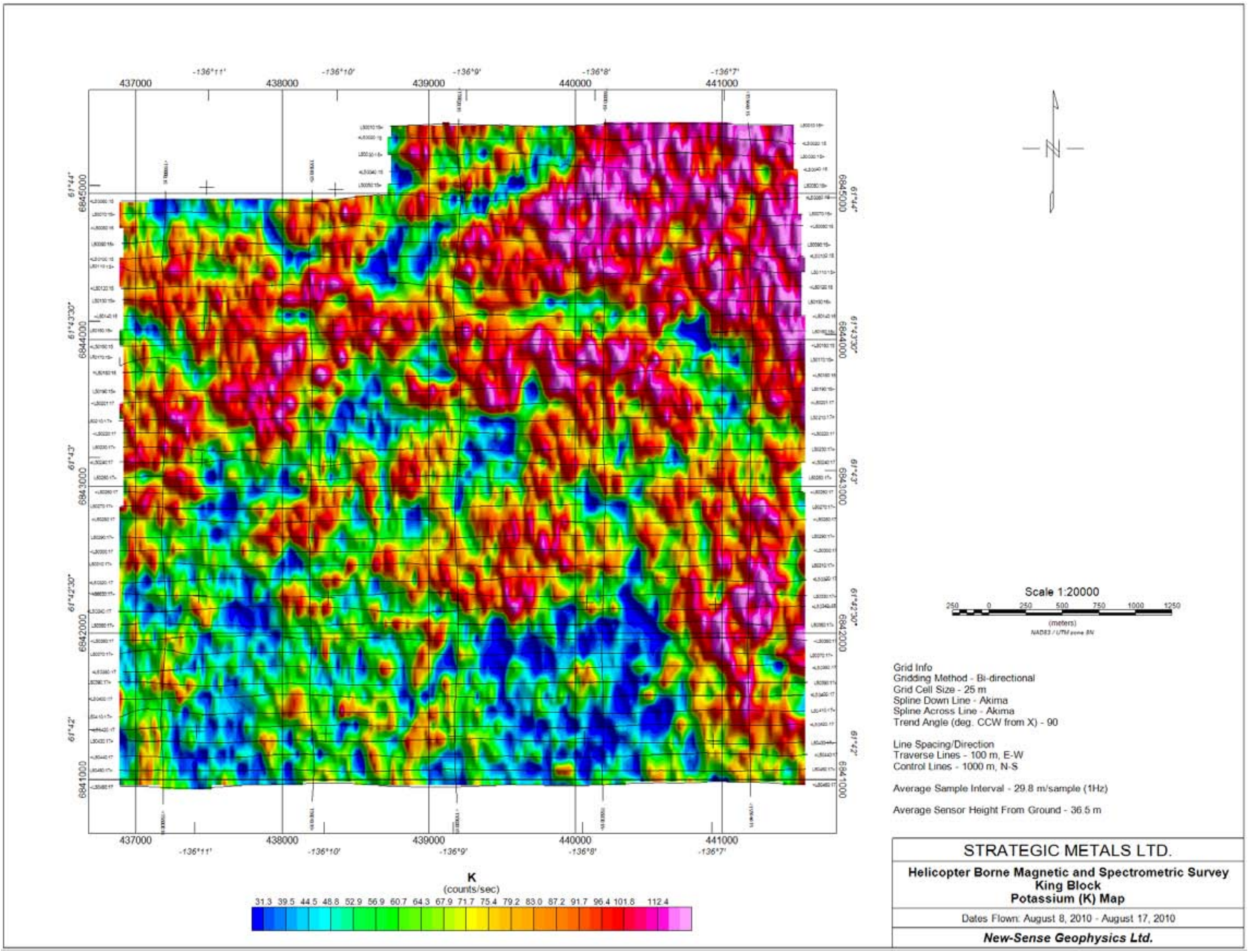
King Block Image of VDV Map



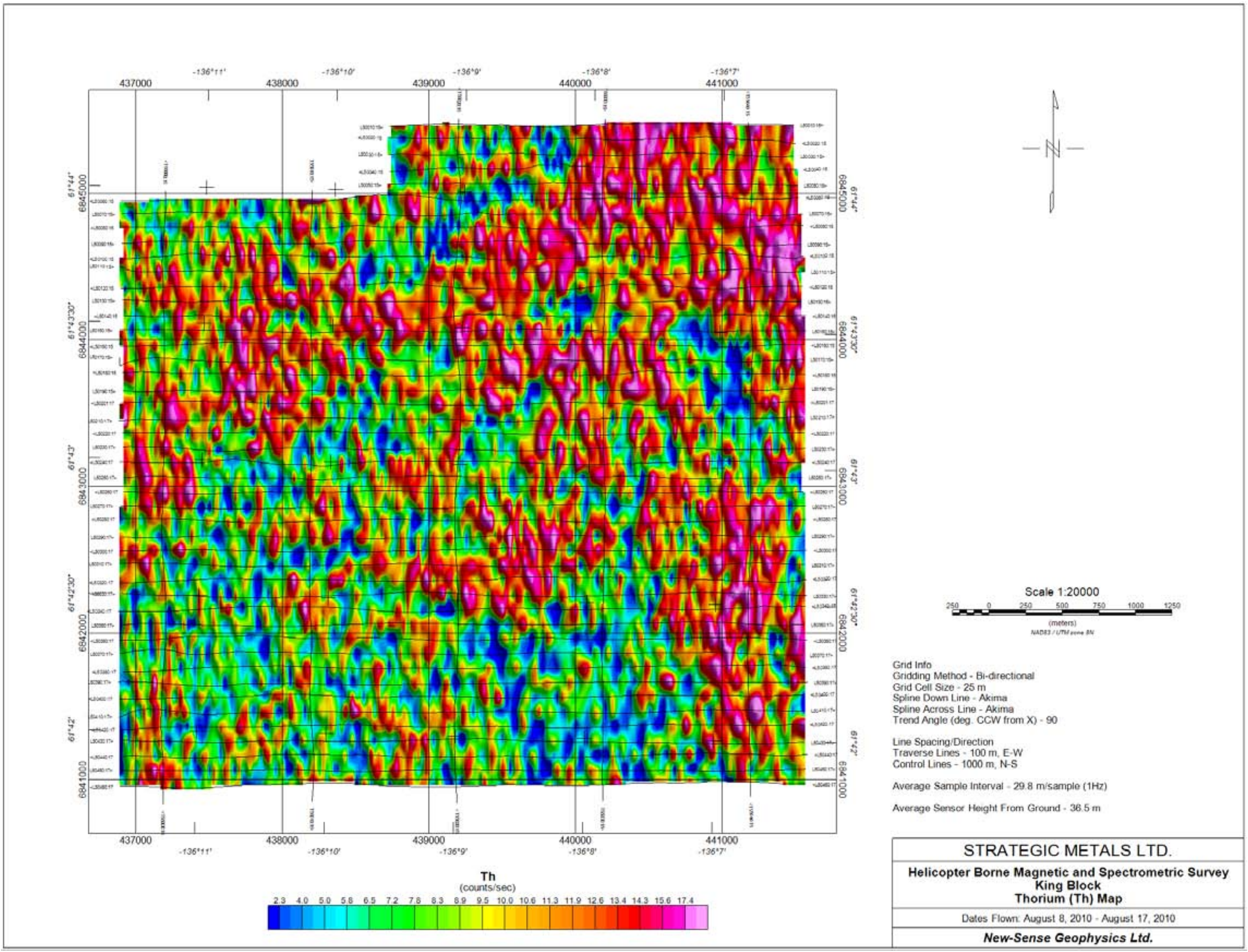
King Block Image of DTM Map



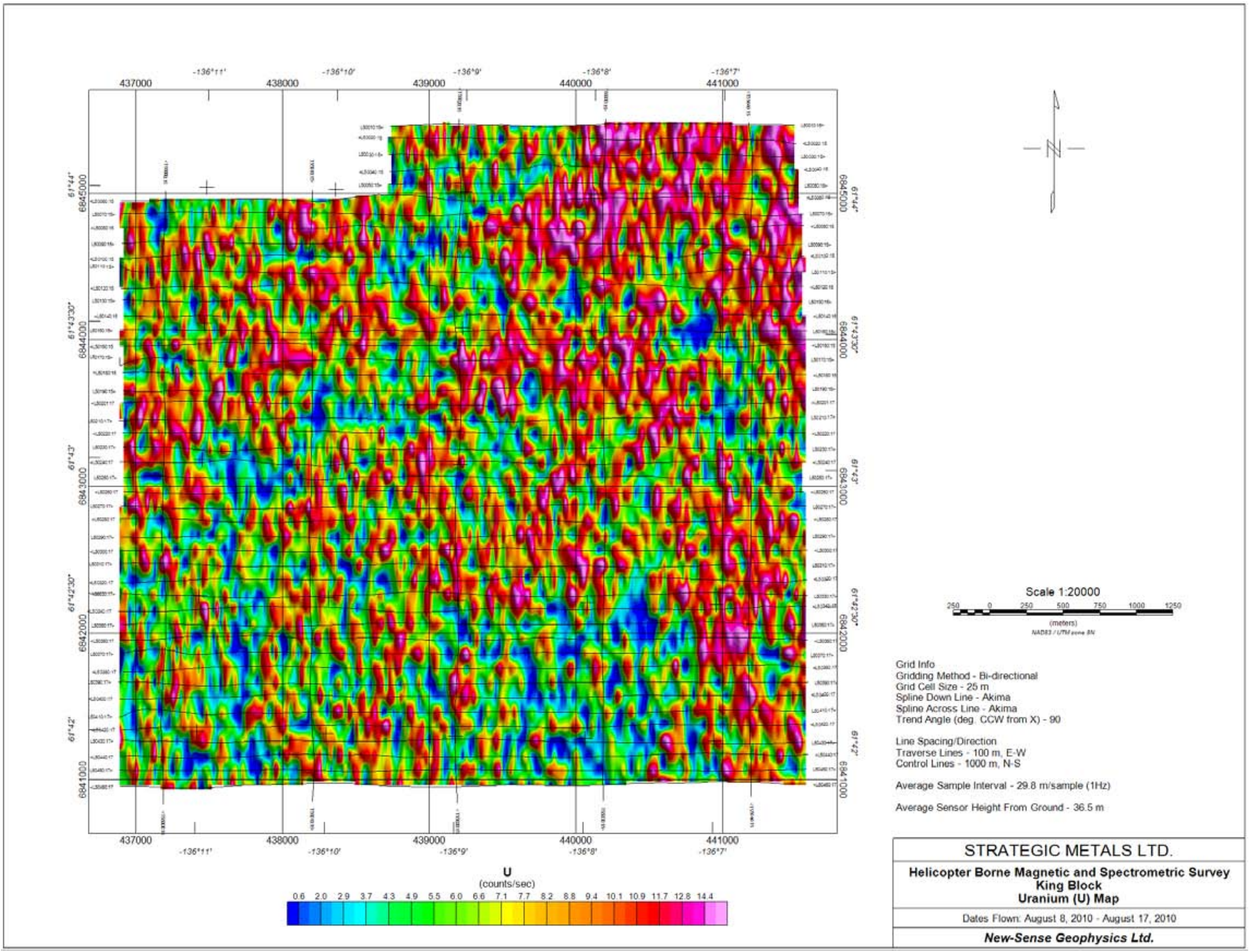
King Block Image of Potassium Map



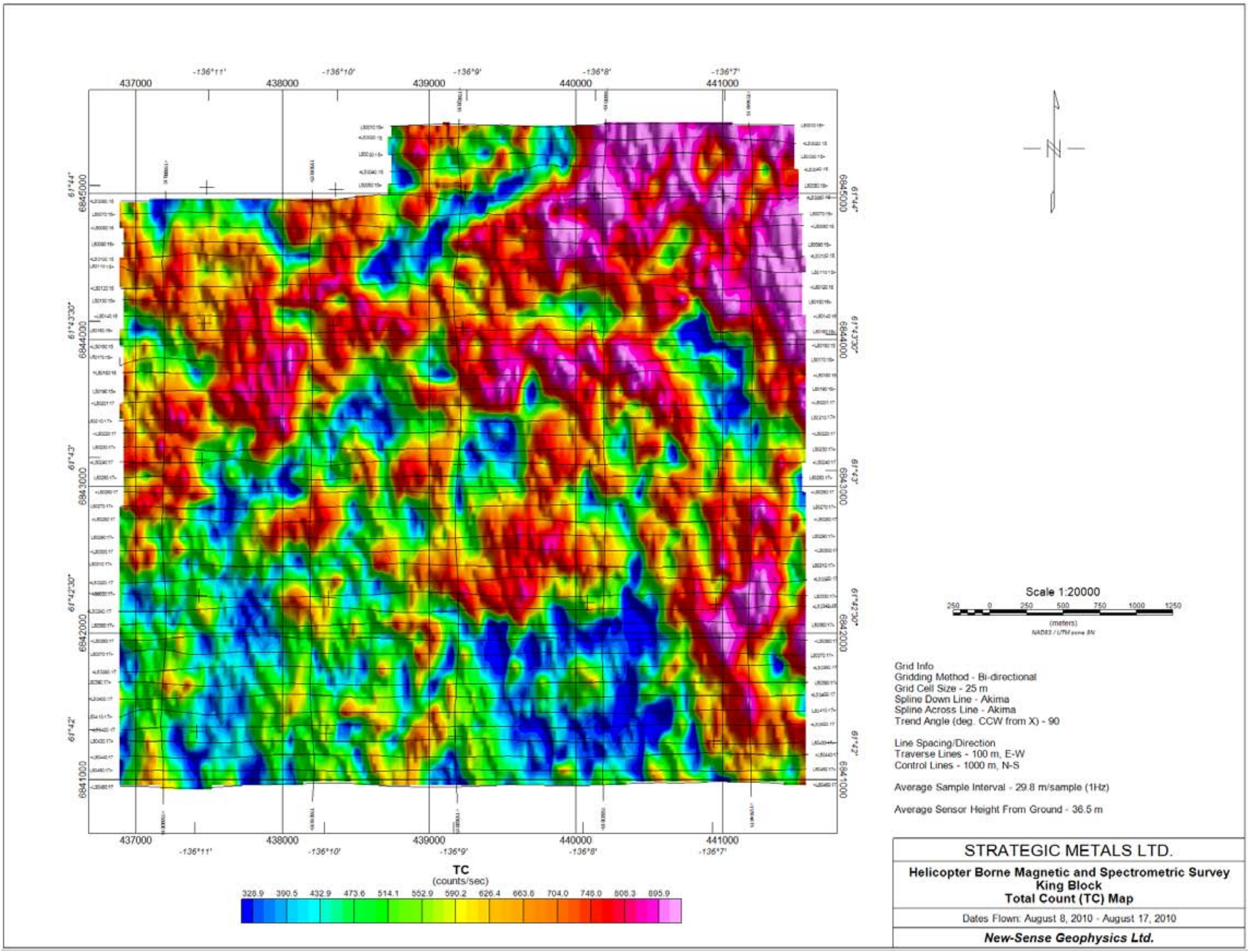
King Block Image of Thorium Map



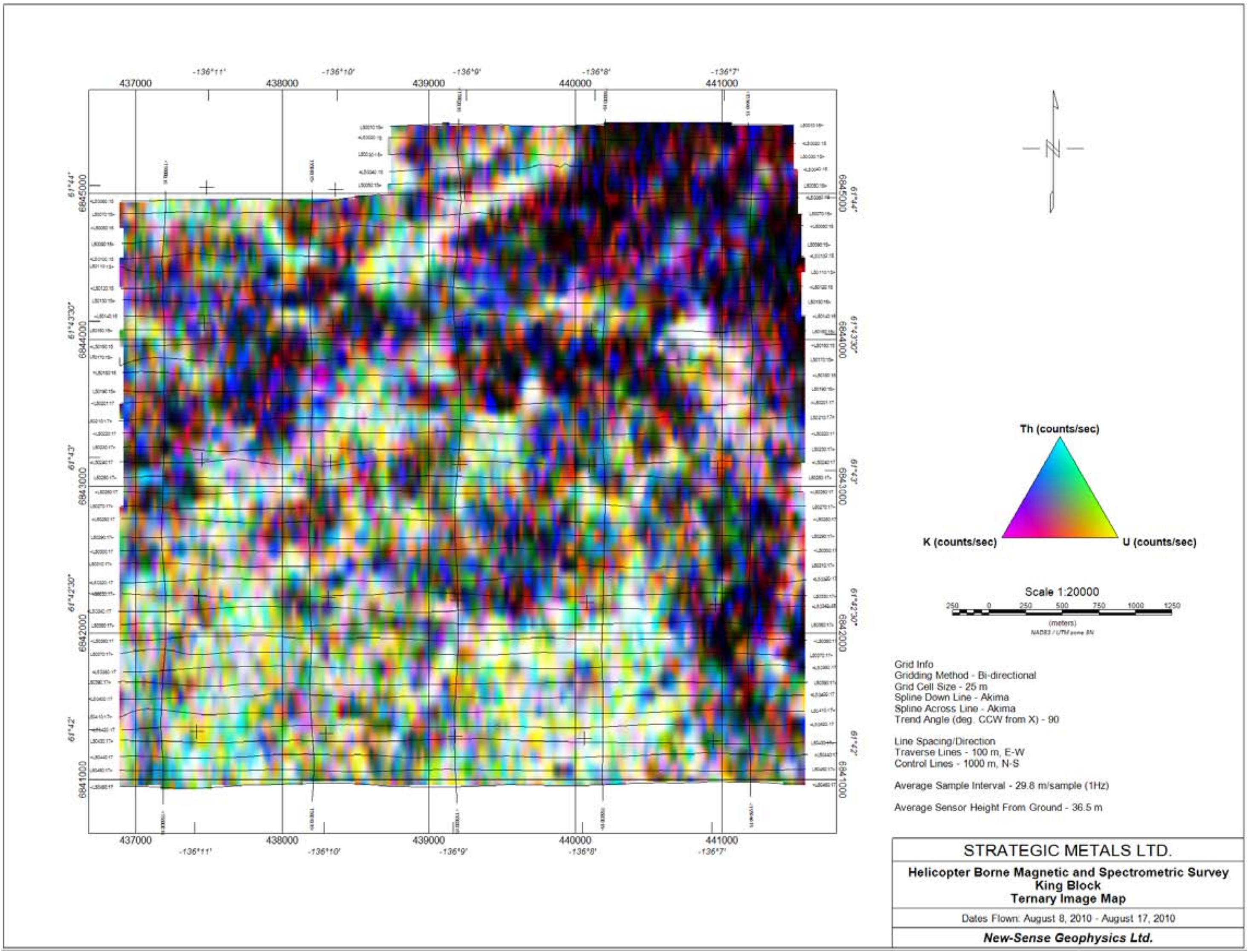
King Block Image of Uranium Map



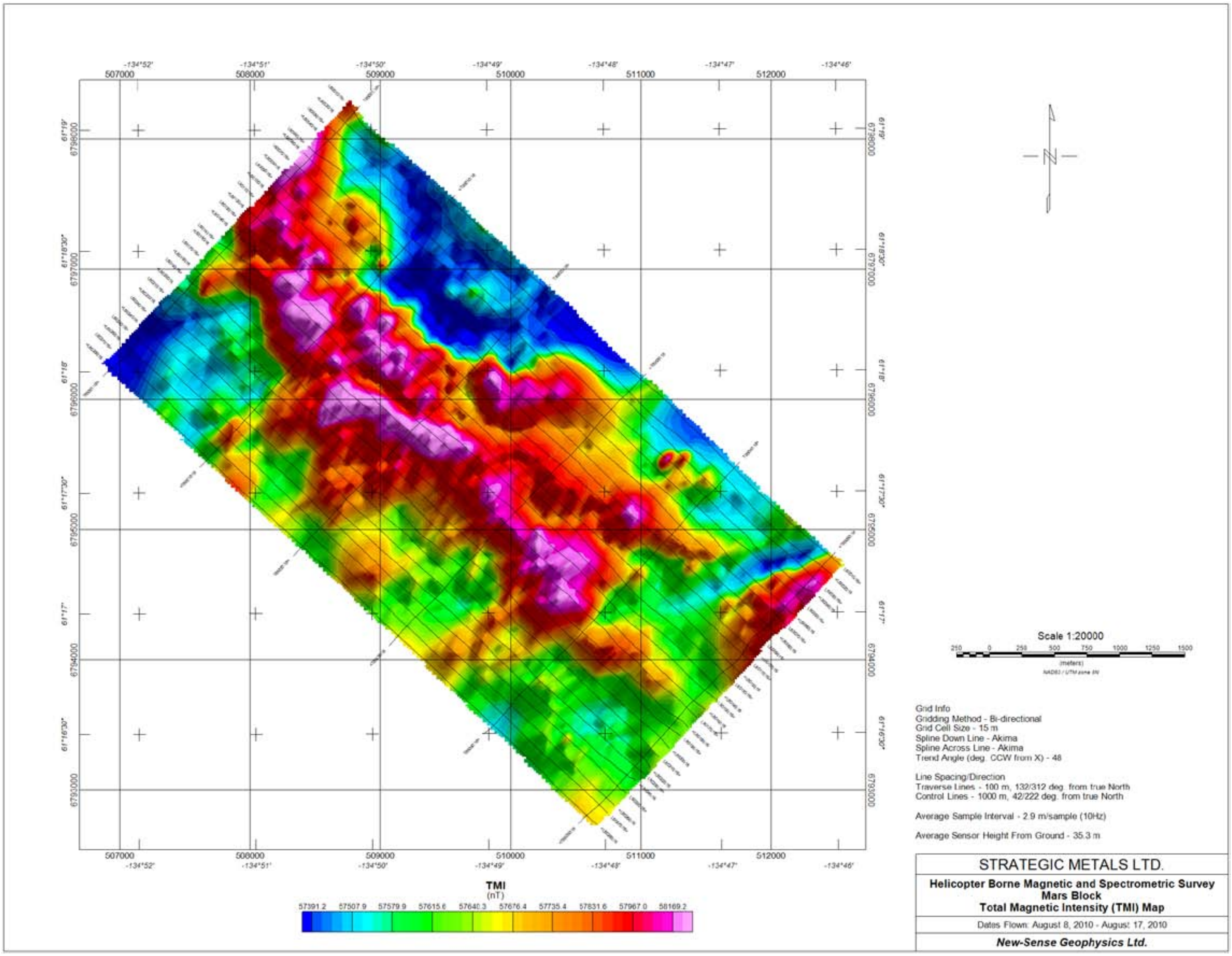
King Block Image of Total Count Map



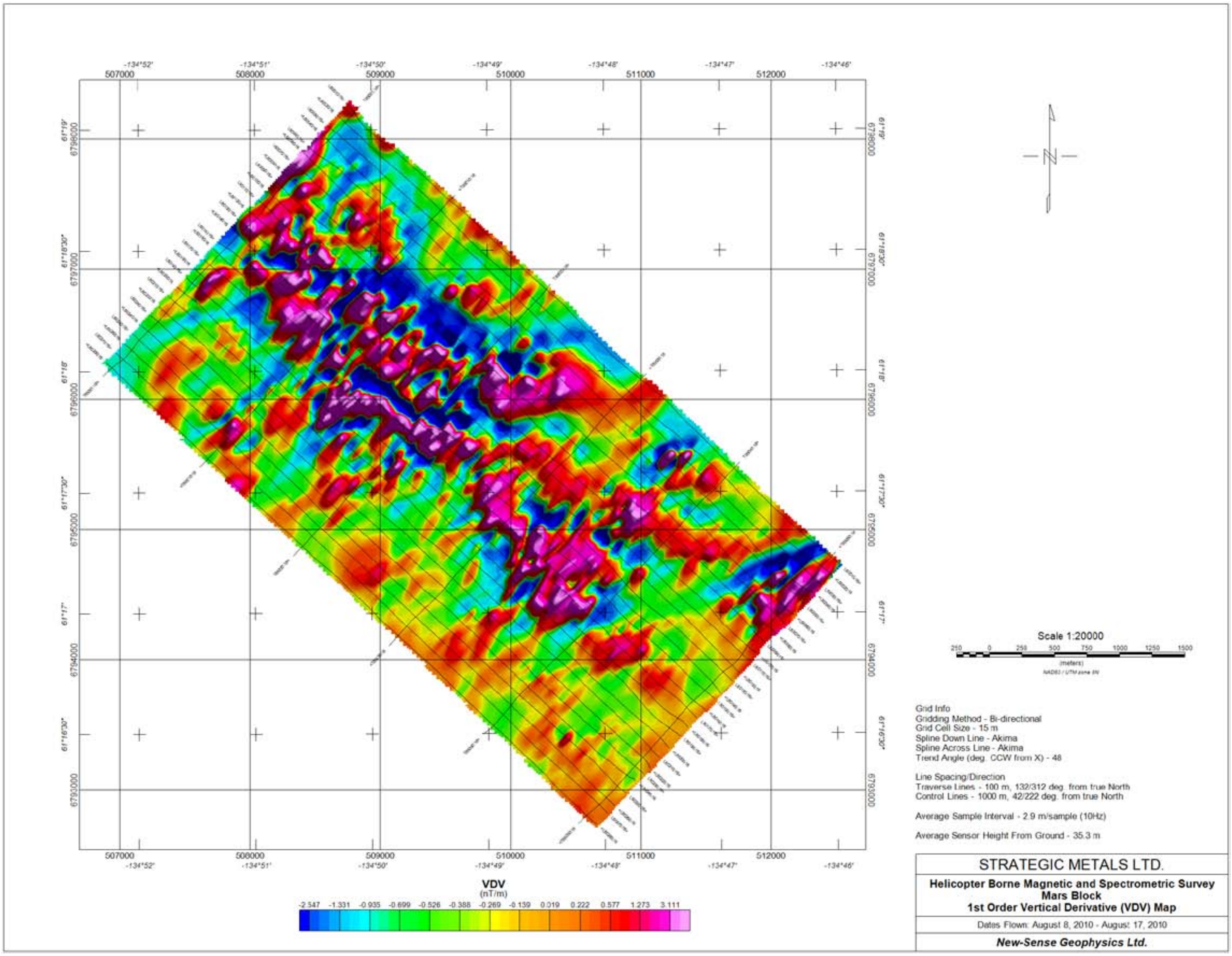
King Block Image of Ternary Map



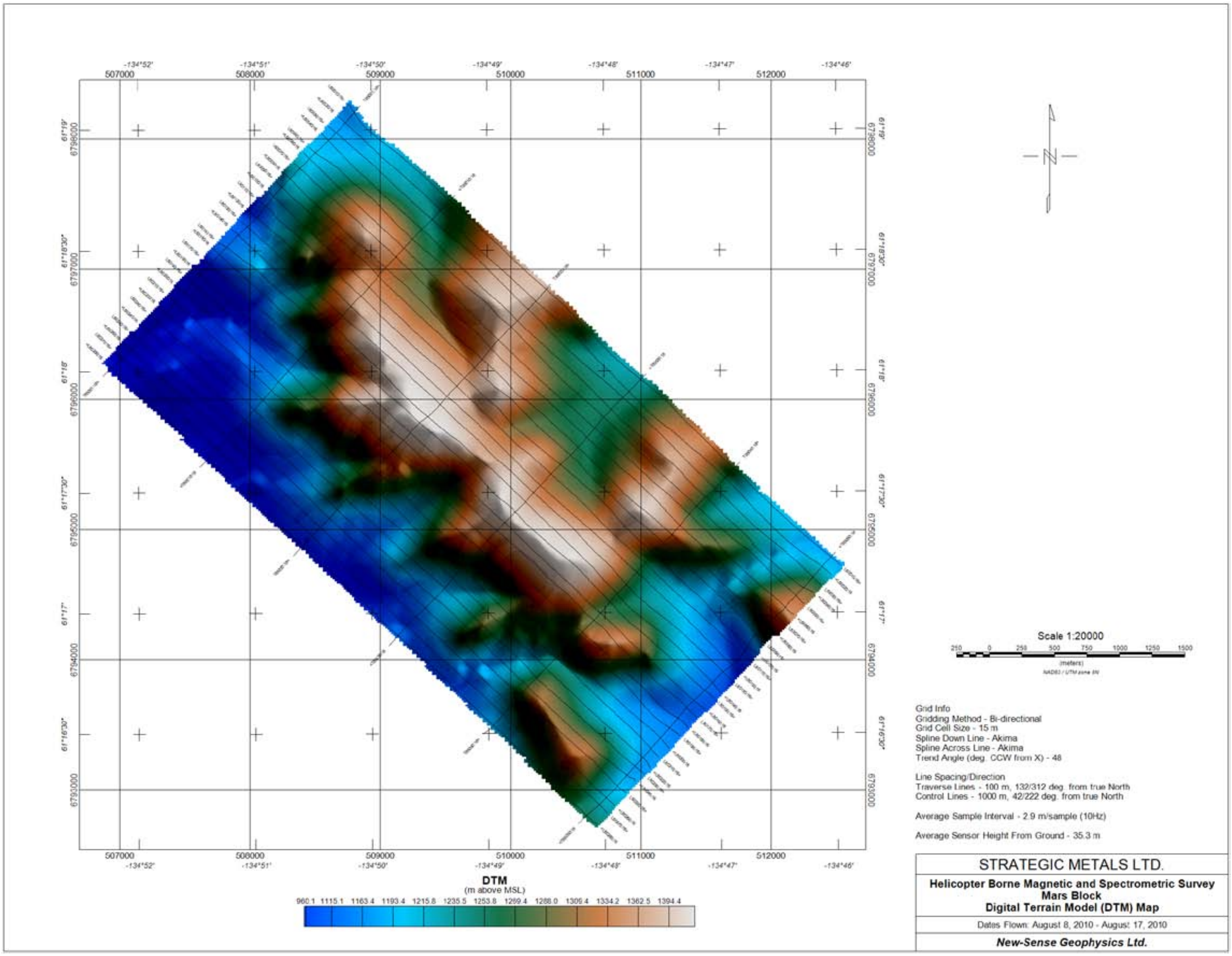
Mars Block Image of TMI FINAL Map



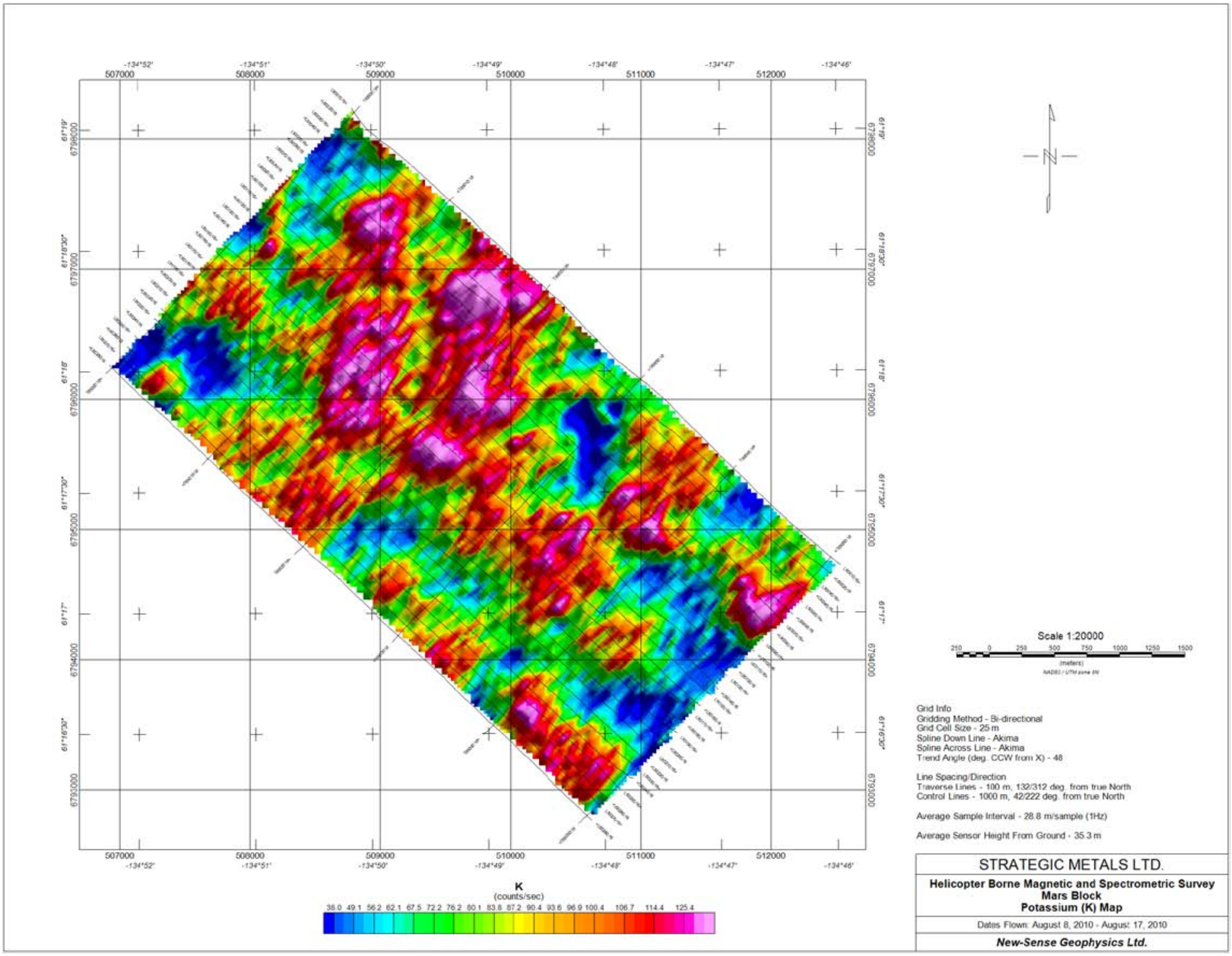
Mars Block Image of VDV Map



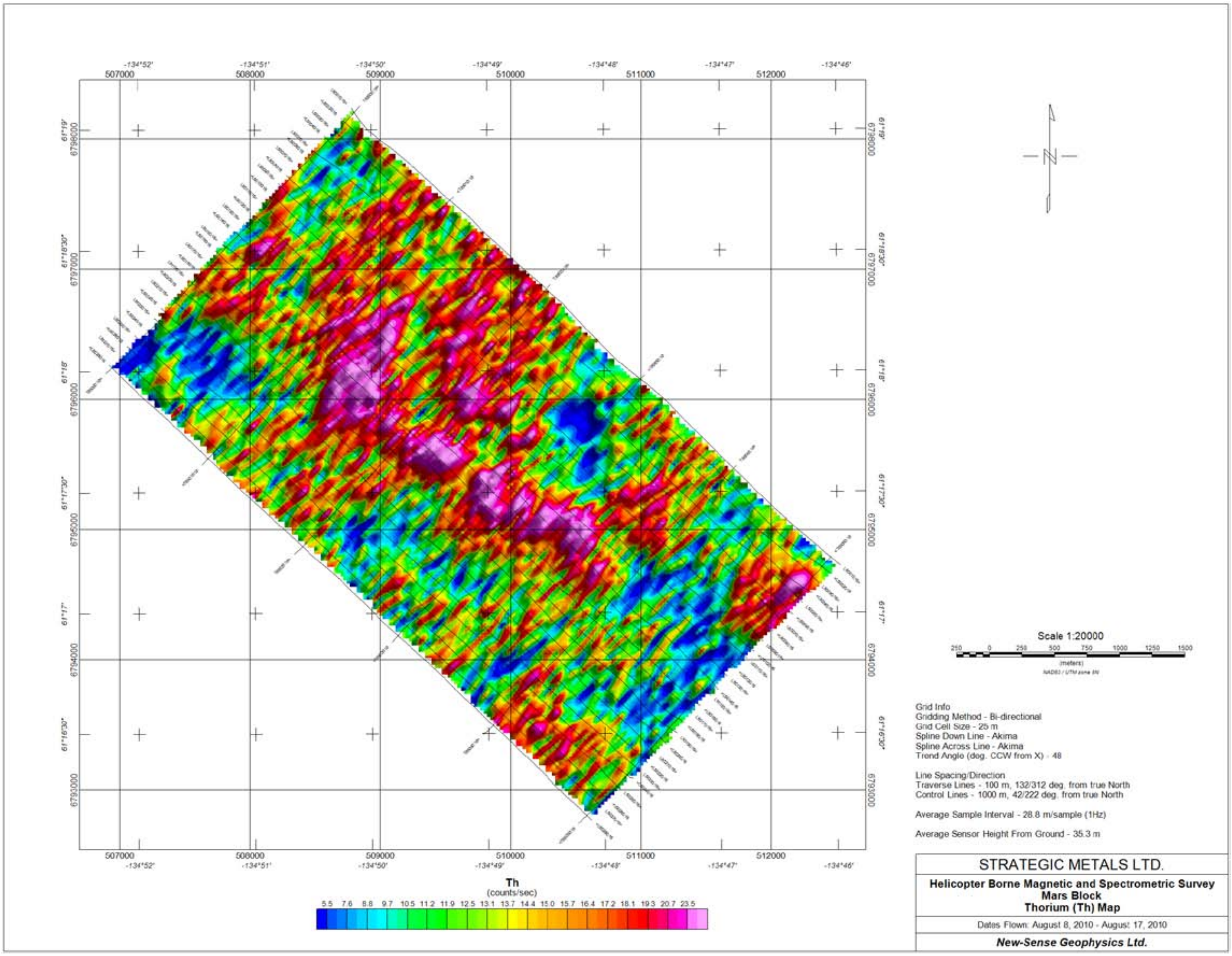
Mars Block Image of DTM Map



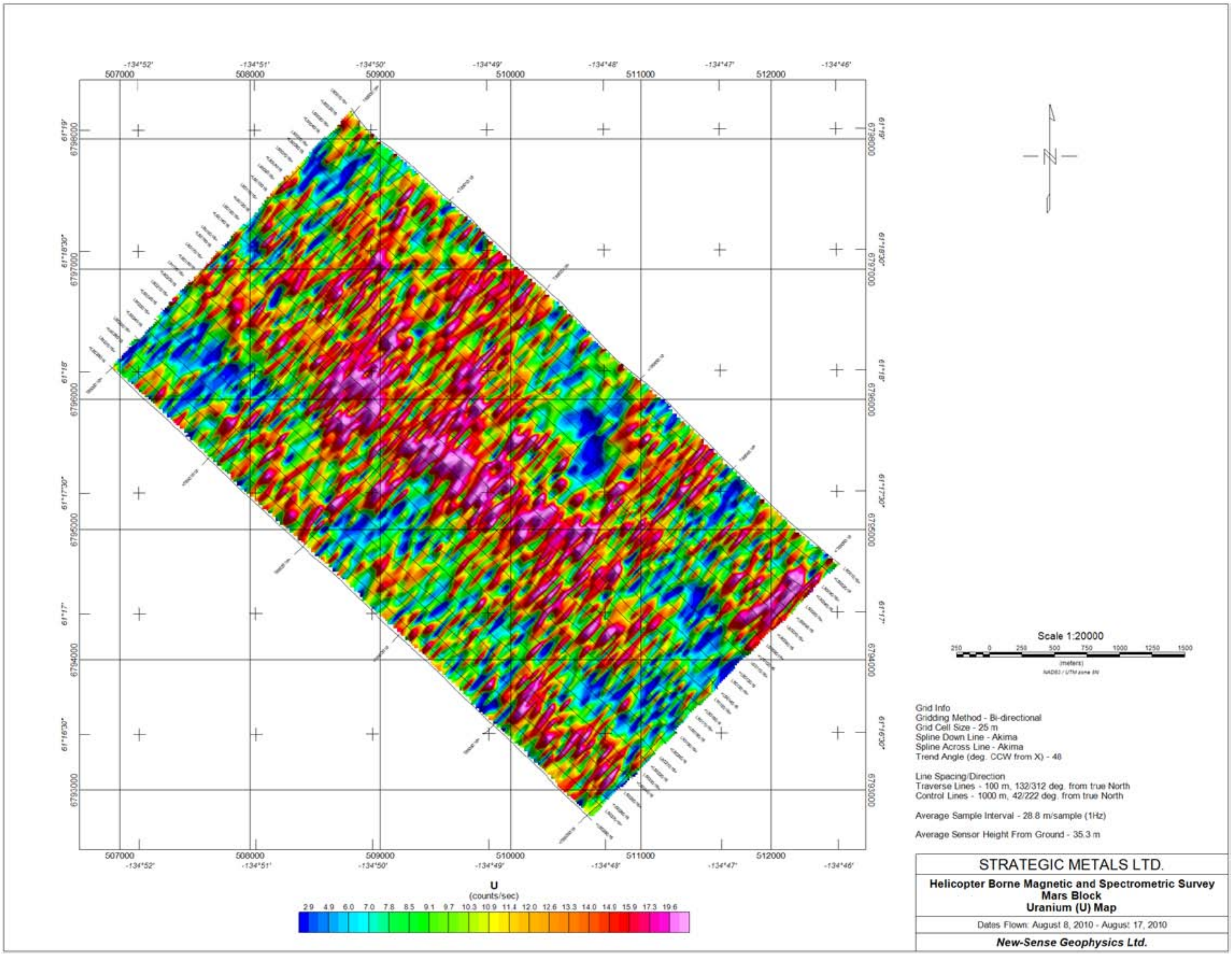
Mars Block Image of Potassium Map



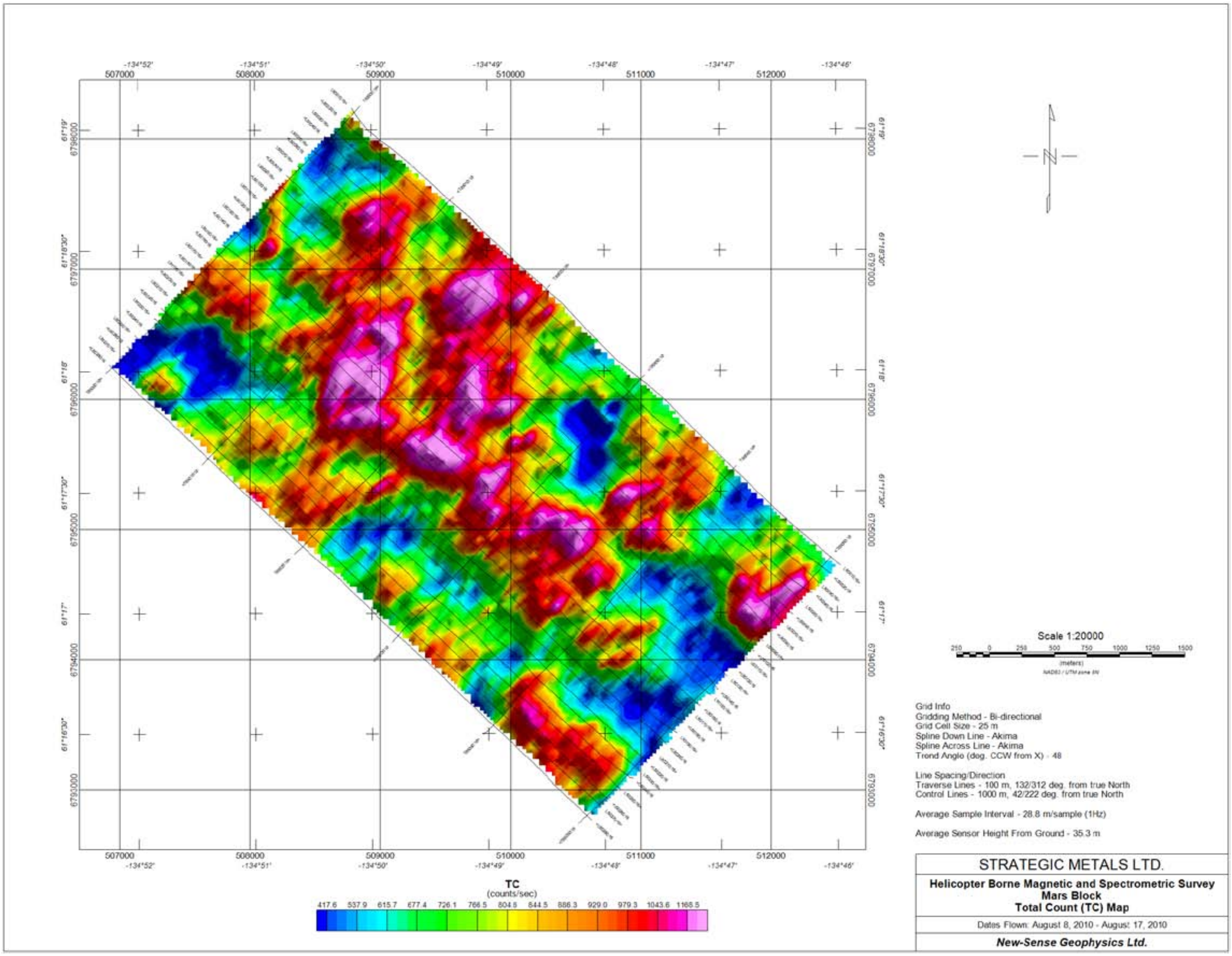
Mars Block Image of Thorium Map



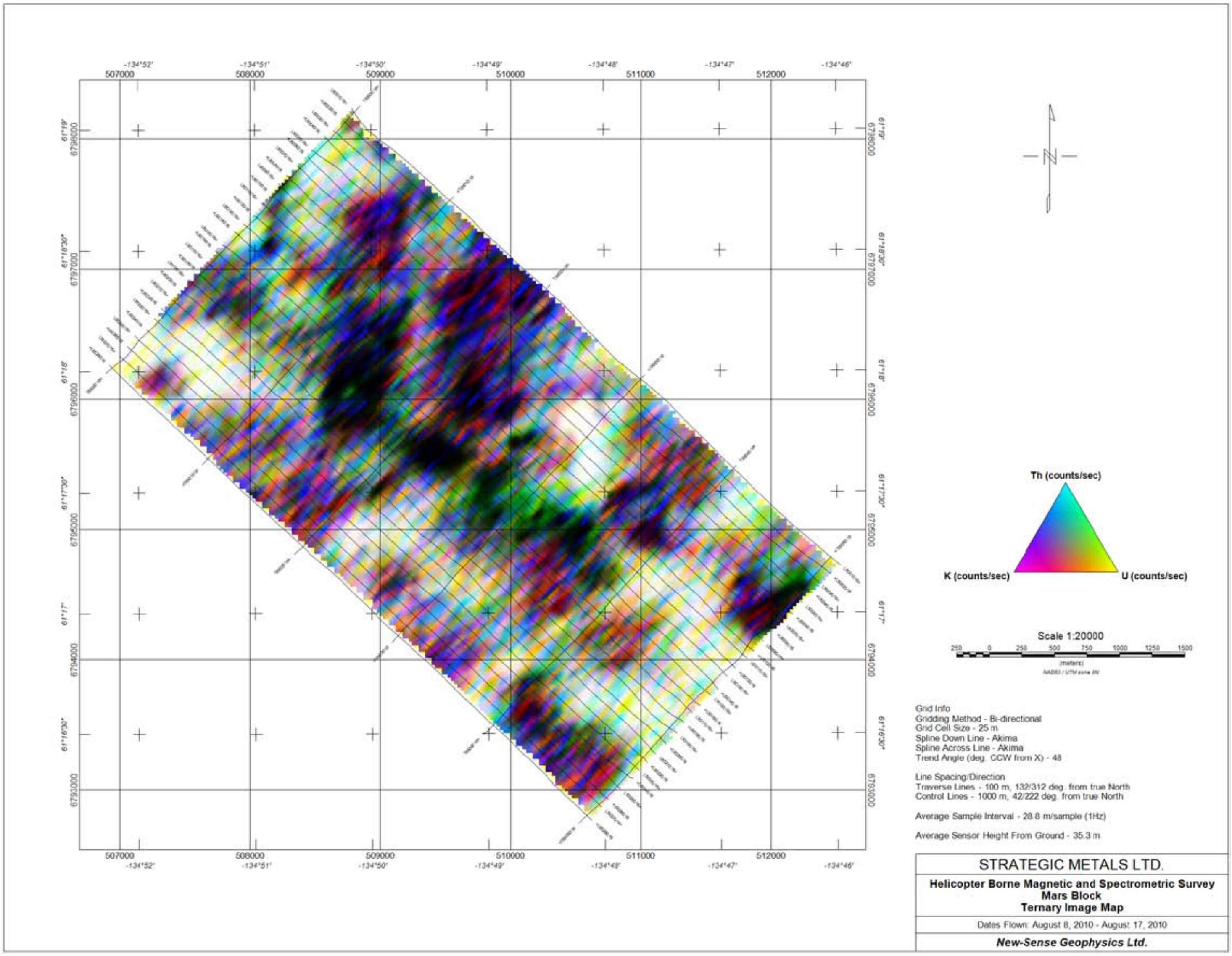
Mars Block Image of Uranium Map



Mars Block Image of Total Count Map



Mars Block Image of Ternary Map



APPENDIX F: MICROLEVELLING DESCRIPTION

As per PGW Microlevelling GX help file available through Geosoft Oasis montaj 7.2

```
DECORR.GX                Version 3.0
                         Paterson, Grant & Watson Limited
                         March 2003

PARAMETERS: (miclev group parameters are used, so that values set will be
             passed to MICLEV.GX)

   miclev.Xchan = x channel (default "x")
         .Ychan = y channel (default "y")
         .Ochan = original data channel (no default)
         .Nchan = decorrugation noise channel (default "dcor_noise")
         .Space = flight line spacing
         .Dir   = flight line direction in degrees azimuth (clockwise
                  from North)
         .Cell  = cell size to use for gridding (default = line spacing/5)
         .Wlen  = decorrugation high-pass wavelength (default = 4 * line
                  spacing)
         .Ogrid = original output grid, new or existing
         .Nnoise= decorrugation noise grid
         .XY    = Xmin,Ymin,Xmax,Ymax             (optional)
         .LOGOPT= Log option                      (optional)
         .LOGMIN= Log minimum                     (optional)
         .DSF   = Low-pass desampling factor      (optional)
         .BKD   = Blanking distance               (optional)
         .TOL   = Tolerance                       (optional)
         .PASTOL= % pass tolerance                (optional)
         .ITRMAX= Max. iterations                 (optional)
         .ICGR  = Starting coarse grid            (optional)
         .SRD   = Starting search radius          (optional)
         .TENS  = Internal tension (0-1)          (optional)
         .EDGCLP= Cells to extend beyond data     (optional)
```

DESCRIPTION:

decorr.gx and miclev.gx implement a procedure called micro-levelling which removes any low-amplitude component of flight line noise still remaining in airborne survey data after tie line levelling. Micro-levelling calculates a correction channel and adds it to the profile database. This correction is subtracted from the original data to give a set of levelled profiles, from which a final levelled grid may then be generated. Microlevelling has the advantage over standard methods of decorrugation that it better distinguishes flight line noise from geological signal, and thus can remove the noise without causing a loss in resolution of the data.

To microlevel data, first run decorr.gx, then miclev.gx. decorr.gx offers two options for the grid of the channel to be microlevelled. If a grid prepared from this channel already exists, it may be specified, and when prompted to overwrite, the user should answer no. If the user wishes to prepare a new grid of the channel to be microlevelled, the minimum curvature gridding algorithm (rangrid.gx) is applied. The advanced button provides access to the standard minimum curvature gridding parameters. Once the gridding is completed, decorr.gx applies a directional high-pass filter (see end note) perpendicular to the flight line direction, in order to produce a decorrugation noise grid. (The default grid cell size is 1/5 of the line spacing. The user may specify a different cell size if desired. A smaller cell size will give a more accurate result, but a larger cell size will make the gx run faster and use less disk space.) The noise grid is then extracted as a new channel in the database (default name is "dcor_noise"). This channel contains the line level drift component of the data, but it also contains some residual high-frequency components of the geological signal. miclev.gx applies amplitude limiting and low-pass filtering to the noise channel in order to remove this residual geological signal and leave only the component of line level drift, which is then subtracted from the original data to produce a levelled output channel named "miclev".

decorr.gx calculates default amplitude limit and filter length values for use in miclev.gx, but the skilled user may be able to set better values for these parameters based on an inspection of the noise grid. (The micro-levelling process is broken up into two separate GXes in order to allow the user to do this.) Flight line noise should appear in the decorrugation noise grid as long stripes in the flight-line direction, wheras geological anomalies should appear as small spots and cross-cutting lineaments, generally with a higher amplitude than the flight line noise, but with a shorter wavelength in the flight-line direction. The user can estimate the maximum amplitude of the flight line noise, and set the noise amplitude limit value accordingly. Similarly the user can estimate the minimum wavelength of the level drift along the flight lines, and set the low-pass Naudy filter width to half this wavelength. The defaults are to set the amplitude limit equal to the standard deviation of the noise grid, and to set the filter width equal to five times the flight line spacing.

There is an option of using either of two kinds of amplitude limiting. In "clip" mode any value outside the limit is set equal to the limit value. In "zero" mode any value outside the limit is set equal to zero. The clip mode makes more sense intuitively, but it has been found in practise that the zero mode may reject geologic signal better, depending on the particular data set. As a rule the zero mode works better on datasets in which the noise grid contains a lot of high-amplitude geological signals (e.g. shallow basement areas). For datasets in which the noise grid contains mainly flight line noise (e.g. sedimentary basins), the clip mode works better.

Microlevelling applies a level correction to the traverse lines only. If it is desired to grid the tie lines together with the micro-levelled traverse lines, then it may be necessary to also apply a level correction to the tie lines so that their values agree with the micro-levelled traverse lines at the intersections. This may be done as follows:

1) Copy the tie line values to the microlevelled channel.

2) Use intersct.gx to find cross-difference values for the microlevelled data.

3) Use xlevel.gx to load these cross-difference values to the tie lines.

4) Apply fulllev.gx to the tie lines. The output will be a set of tie lines that matches the microlevelled traverse lines at all intersections.

5) Copy the microlevelled traverse line values into the same channel as the corrected tie line values.

Decorrugation Filter:

The decorrugation noise filter is a sixth-order high-pass Butterworth filter with a default cutoff wavelength of four times the flight line spacing, combined with a directional filter. The directional filter coefficient as a function of angle is F=(sin(a))^2, where a is the angle between the direction of propagation of a wave and the flight line direction,i.e. F=0 for a wave travelling along the flight lines, and F=1 for a wave travelling perpendicular to them. (Note this is the exact opposite of what is usually called a decorrugation filter, since the intention here is to pass the noise only, rather than reject it.)

The default cutoff wavelength (4 * line spacing) gives good results if the data is already fairly well levelled to start with. In cases where many lines are badly mis-levelled, it may be necessary to set a longer cutoff wavelength, at the risk of removing more geological signal.

QUO 85712

Statement of Expenditures
Corky 1-36 Mineral Claims
July 11, 2011

Contract VTEM survey

New-Sense Geophysics Limited	$23,432.08