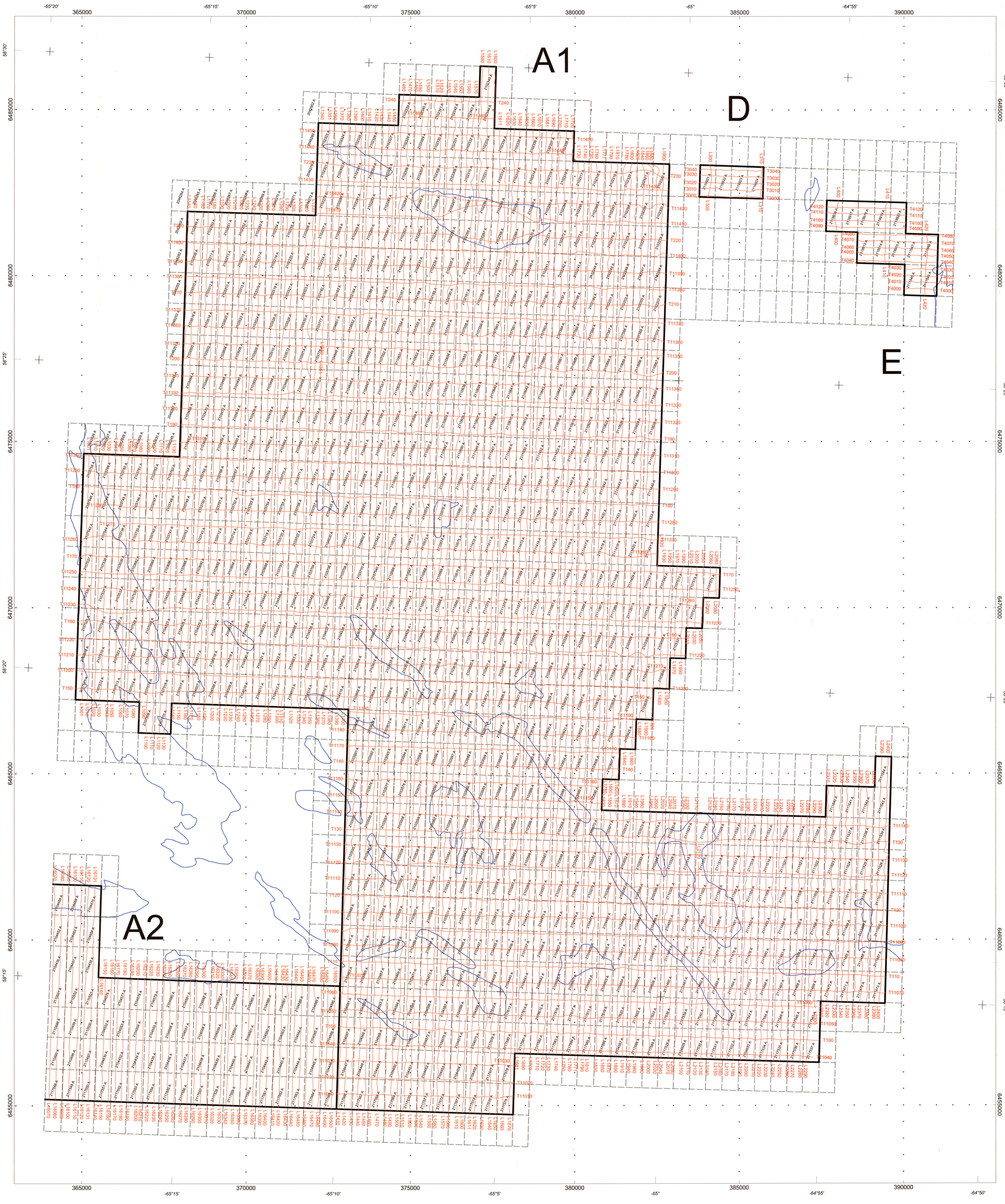


SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

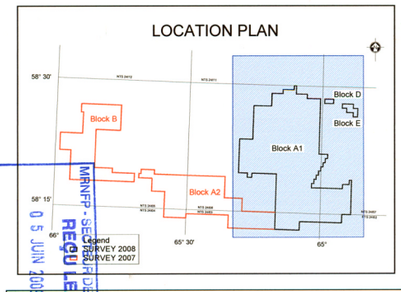
GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

LEGEND
PROPERTY LIMITS
FLIGHT PATH
LAKE OR RIVER

LOCATION PLAN



MINFP - SECTEUR DES MINES
REÇU LE
0 5 JUIN 2009
Bureau régional - Abitibi

Scale 1:50000

1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

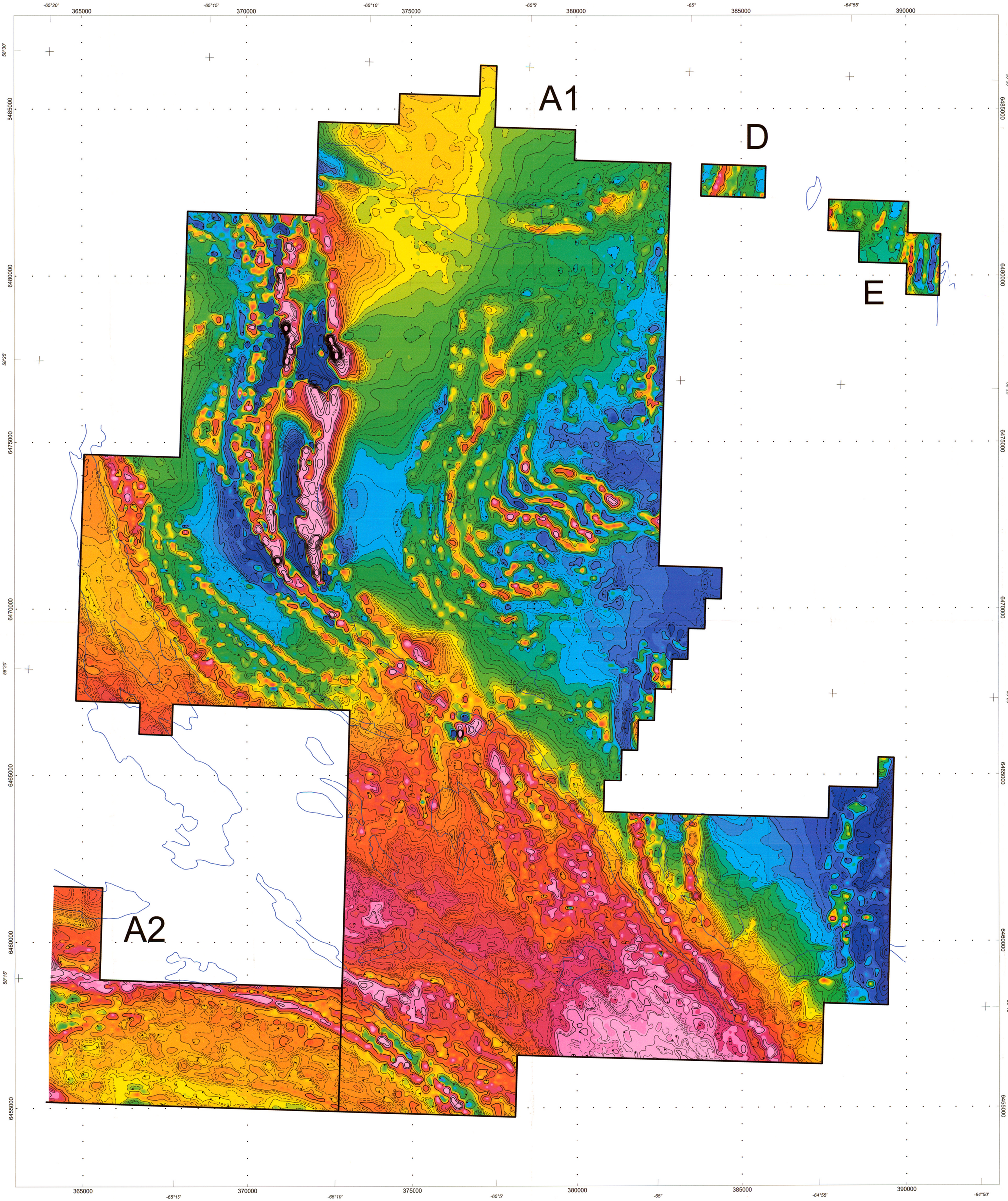
FLIGHT PATH RECOVERY AND PROPERTY LIMITS

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-113-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

2140 78



Inc.: 77.8°
Dec.: -27.0°

GM 64509

5050
330
210
160
120
90
70
50
30
20
0
-10
-20
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
-140
-150
-160
-170
-180
-190
-200
-210
-220
-230
-240
-250
-270
-300
-1037

IGRF - Corrected Total Magnetic Field
(nT)

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 30 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83
-UTM zone: 20 north
-Central meridian: 63° west

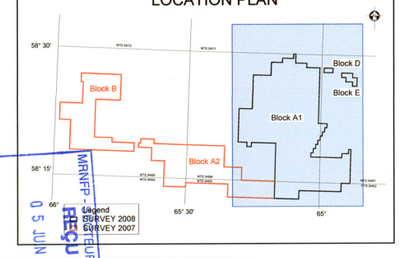
AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

MAGNETOMETER SPECIFICATIONS
-Model: Geometrics G-823A caesium vapour
-Mounting: Towed bird, 1 sensor
-Cable length: 30 m
-Sample rate: 10 Hz
-Sensitivity: 0.002 nT (sqrt (Hz))

PROCESSING SPECIFICATIONS
-Diurnal correction
-Tie-line levelling
-IGRF removal

LEGEND
- PROPERTY LIMITS
- LAKE OR RIVER
- INTERVAL CONTOUR 10 nT
- INTERVAL CONTOUR 50 nT
- INTERVAL CONTOUR 250 nT

LOCATION PLAN



MRNFP - Bureau régional - Montréal
REÇU LE
05 JUN 2009

Scale 1:50000
1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

IGRF - CORRECTED TOTAL MAGNETIC FIELD (nT)

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-114-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

814073

A1

D

E

A2

Inc.: 77.8°
Dec.: -27.0°

GM 64509

92.34
2.40
2.00
1.70
1.50
1.30
1.20
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
-0.20
-0.30
-0.40
-0.50
-0.60
-0.70
-0.80
-0.90
-1.00
-1.20
-1.30
-1.50
-1.70
-2.00
-2.40
-29.28

First Vertical Derivative
(nT/m)

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 30 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

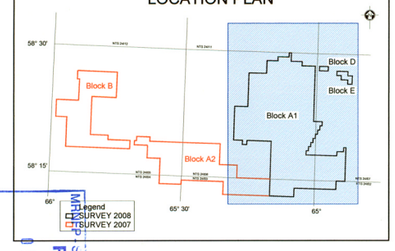
GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

MAGNETOMETER SPECIFICATIONS
-Model: Geometrics G-823A caesium vapour
-Mounting: Towed bird, 1 sensor
-Cable length: 30 m
-Sample rate: 10 Hz
-Sensitivity: 0.002 nT (sqrt (Hz))

LEGEND
PROPERTY LIMITS
LAKE OR RIVER

LOCATION PLAN



Scale 1:50000

1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

365000 370000 375000 380000 385000 390000
-65°20' -65°15' -65°10' -65°5' -65° -64°55'
6485000 6480000 6475000 6470000 6465000 6460000 6455000
58°30' 58°25' 58°20' 58°15'

Bureau régional - Montréal
MRNF - SCIENTIFIQUE
REÇU LE
05 JUIN 2009

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

FIRST VERTICAL DERIVATIVE (nT/m)

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-115-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

2614073

A1

D

E

A2

Inc.: 77.8°
Dec.: -27.0°

3.90
2.20
2.00
1.85
1.80
1.70
1.65
1.60
1.55
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.60
0.55
0.50
0.45
0.35
0.25
0.05
0.00

Potassium Concentration
(%)

GM 64509

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 (Canada Mean)
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

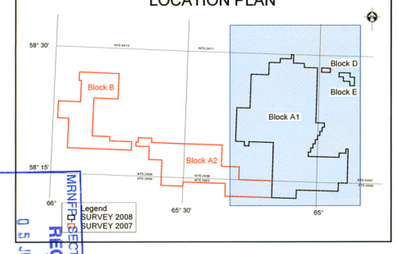
AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS
-Model: PICO GRS-10
-Resolution: 256 channels
-Four NaI crystal detectors, each with individual electronics, for a total of 16.8 litres of crystals
-Energy spectra from 36 keV to 3 MeV with linearity correction
-Data sampling rate: 1 Hz
-Signal sampling: 25 MHz by internal 12 bit ADC for each detector
-Pulse rate per detector: > 60000 pulses per second with negligible dead time
-Channel capacity: 65500 counts/sampling period
-Operating temperature range: -10° to +55° Celsius

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

PROCESSING SPECIFICATIONS
-Lag correction
-Spectrum smoothing by NASVD
-Window processing (back ground removal, stripping, altitude and sensitivity corrections)
-Radon removal using spectral ratio method
-Conversion to equivalent concentration

LEGEND
PROPERTY LIMITS
LAKE OR RIVER

LOCATION PLAN



MRNFP - SECTEUR MINES
REÇU LE
05 JUIN 2009
Bureau régional - Montréal

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

POTASSIUM CONCENTRATION (%)

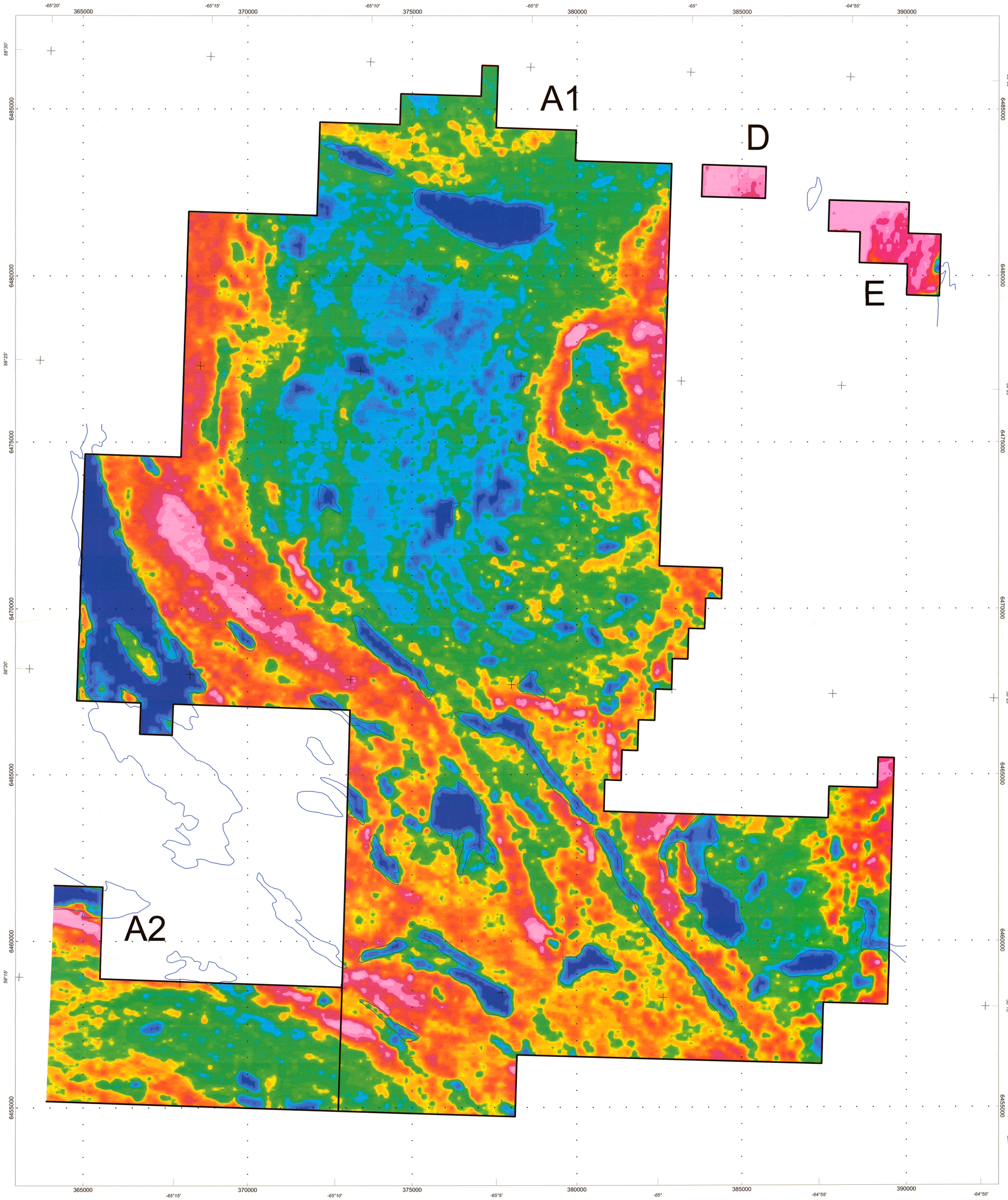
Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-116-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

814078

Scale 1:50000
1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N



Inc.: 77.8°
Dec.: -27.0°

GM 64509

7.27
3.10
2.85
2.65
2.55
2.45
2.40
2.30
2.25
2.20
2.10
2.05
2.00
1.95
1.90
1.85
1.80
1.75
1.70
1.65
1.60
1.55
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
1.05
0.90
0.65
0.15
0.05
0.00

Equivalent Uranium Concentration
(ppm)

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 (Canada Mean)
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

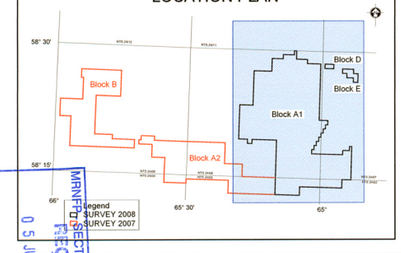
AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS
-Model: PICO GRS-10
-Resolution: 256 channels
-Four NaI crystal detectors, each with individual electronics, for a total of 16.8 litres of crystals
-Energy spectra from 36 keV to 3 MeV with linearity correction
-Data sampling rate: 1 Hz
-Signal sampling: 25 MHz by internal 12 bit ADC for each detector
-Pulse rate per detector: > 60000 pulses per second with negligible dead time
-Channel capacity: 65500 counts/sampling period
-Operating temperature range: -10° to +55° Celsius

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

PROCESSING SPECIFICATIONS
-Lag correction
-Spectrum smoothing by NASVD
-Window processing (back ground removal, stripping, altitude and sensitivity corrections)
-Radon removal using spectral ratio method
-Conversion to equivalent concentration

LEGEND
PROPERTY LIMITS
LAKE OR RIVER

LOCATION PLAN



Scale 1:50000
1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

MRNFP SECTEUR DES MINES
REÇU LE
05 JUIN 2009
Bureau régional - Montréal

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

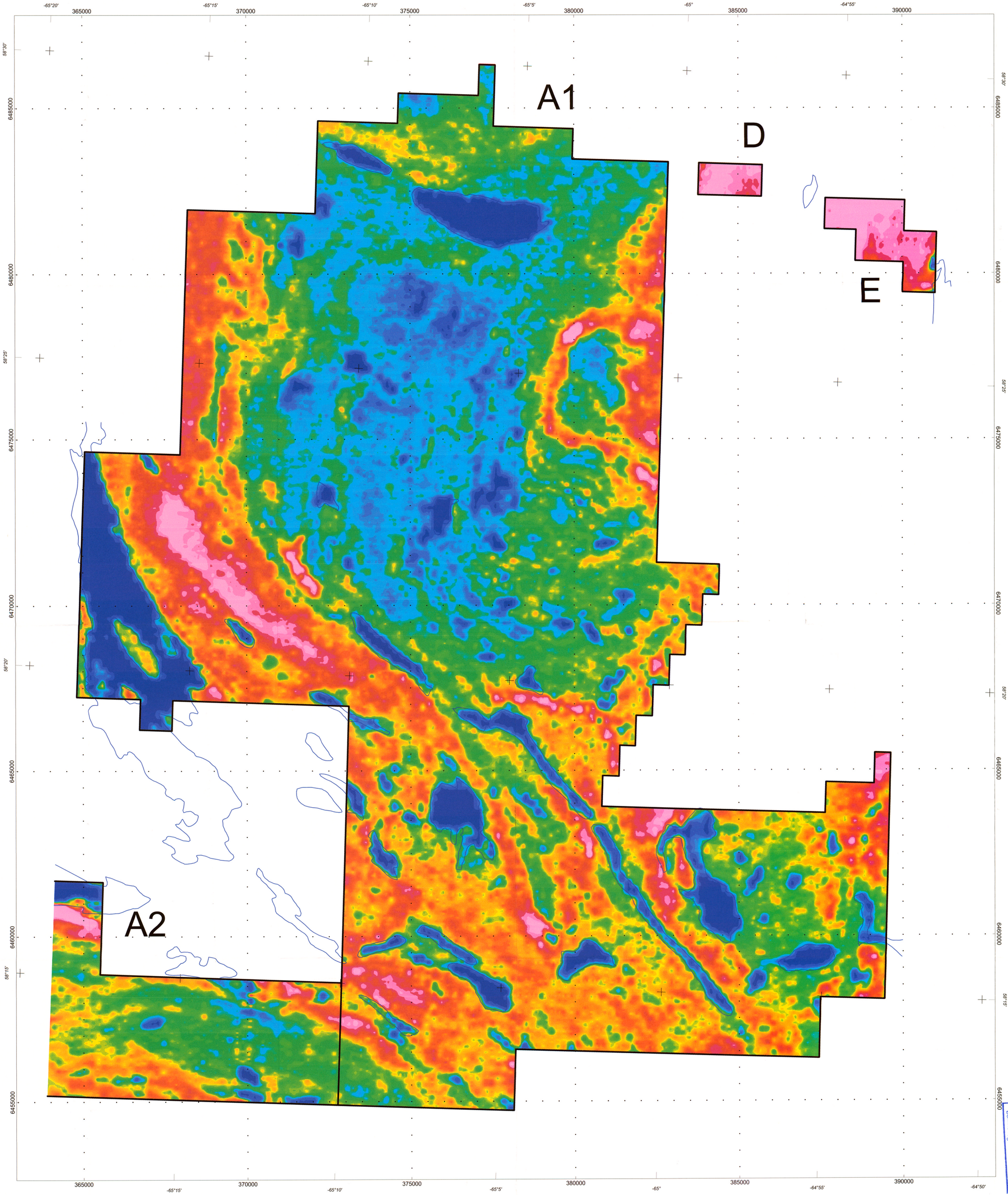
EQUIVALENT URANIUM CONCENTRATION (ppm)

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-117-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

814073



Inc.: 77.8°
Dec.: -27.0°

35.67
16.00
14.75
13.75
13.25
12.75
12.25
12.00
11.50
11.25
11.00
10.75
10.50
10.25
10.00
9.75
9.50
9.25
9.00
8.75
8.50
8.25
8.00
7.75
7.50
7.25
7.00
6.75
6.50
6.25
6.00
5.50
5.25
4.75
4.25
3.00
0.50
0.00

Equivalent Thorium Concentration
(ppm)

GM 64509

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 (Canada Mean)
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

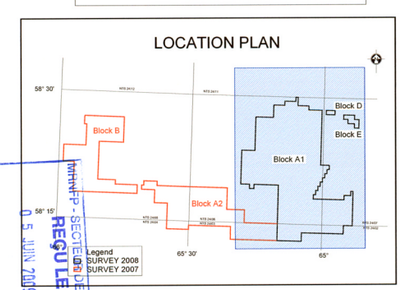
AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS
-Model: PICO GRS-10
-Resolution: 256 channels
-Four NaI crystal detectors, each with individual electronics, for a total of 16.8 litres of crystals
-Energy spectra from 36 keV to 3 MeV with linearity correction
-Data sampling rate: 1 Hz
-Signal sampling: 25 MHz by internal 12 bit ADC for each detector
-Pulse rate per detector: > 60000 pulses per second with negligible dead time
-Channel capacity: 65500 counts/sampling period
-Operating temperature range: -10° to +55° Celsius

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

PROCESSING SPECIFICATIONS
-Lag correction
-Spectrum smoothing by NASVD
-Window processing (back ground removal, stripping, altitude and sensitivity corrections)
-Radon removal using spectral ratio method
-Conversion to equivalent concentration

LEGEND
PROPERTY LIMITS
LAKE OR RIVER

LOCATION PLAN



Scale 1:50000
1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

MRNFP - SECTEUR DES MINES
REÇU LE
05 JUIN 2009
Bureau régional - Montréal

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

EQUIVALENT THORIUM CONCENTRATION (ppm)

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-118-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

814073

A1

D

E

A2

Inc.: 77.8°
Dec.: -27.0°

109
56
51
49
47
45
44
43
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
23
22
20
19
17
16
15
13
11
8
2
0

Air Absorbed Dose Rate
(nGy/h)

GM 64509

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 (Canada Mean)
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

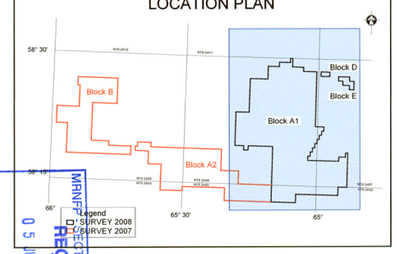
AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS
-Model: PICO GRS-10
-Resolution: 256 channels
-Four NaI crystal detectors, each with individual electronics, for a total of 16.8 litres of crystals
-Energy spectra from 36 keV to 3 MeV with linearity correction
-Data sampling rate: 1 Hz
-Signal sampling: 25 MHz by internal 12 bit ADC for each detector
-Pulse rate per detector: > 60000 pulses per second with negligible dead time
-Channel capacity: 65500 counts/sampling period
-Operating temperature range: -10° to +55° Celsius

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

PROCESSING SPECIFICATIONS
-Lag correction
-Spectrum smoothing by NASVD
-Window processing (back ground removal, stripping, altitude and sensitivity corrections)
-Radon removal using spectral ratio method
-Conversion to equivalent concentration

LEGEND
PROPERTY LIMITS
LAKE OR RIVER

LOCATION PLAN



MRNF/DPMT/GTE/DCGM
REÇU LE
05 JUIN 2009
Bureau régional - Montréal

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

AIR ABSORBED DOSE RATE DERIVED FROM TOTAL COUNT (nGy/h)

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-119-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

R14073

GEOPHYSICS GPR INTERNATIONAL INC.

Scale 1:50000
1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

A1

D

E

A2

Inc.: 77.8°
Dec.: -27.0°

GM 64509

935
925
900
875
850
825
800
775
750
725
700
675
650
625
600
575
550
525
500
475
450
425
400
375
350
325
300
275
250
225
200
175
150
126

Digital Terrain Model
(m)

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83
-UTM zone: 20 north
-Central meridian: 63° west

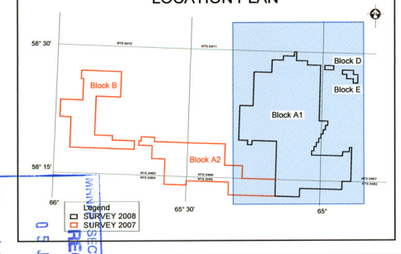
AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

PROCESSING SPECIFICATIONS
-Digital Terrain Model obtained by subtracting the radar altimeter from the GPS height above ellipsoïd

LEGEND
- PROPERTY LIMITS
- LAKE OR RIVER
- INTERVAL CONTOUR 25 m
- INTERVAL CONTOUR 100 m
- INTERVAL CONTOUR 500 m

LOCATION PLAN



Scale 1:50000

1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

Bureau régional - Montréal
05 JUIN 2009
MINISTÈRE DES RESSOURCES NATURELLES ET DE LA FAUNE
RECU

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

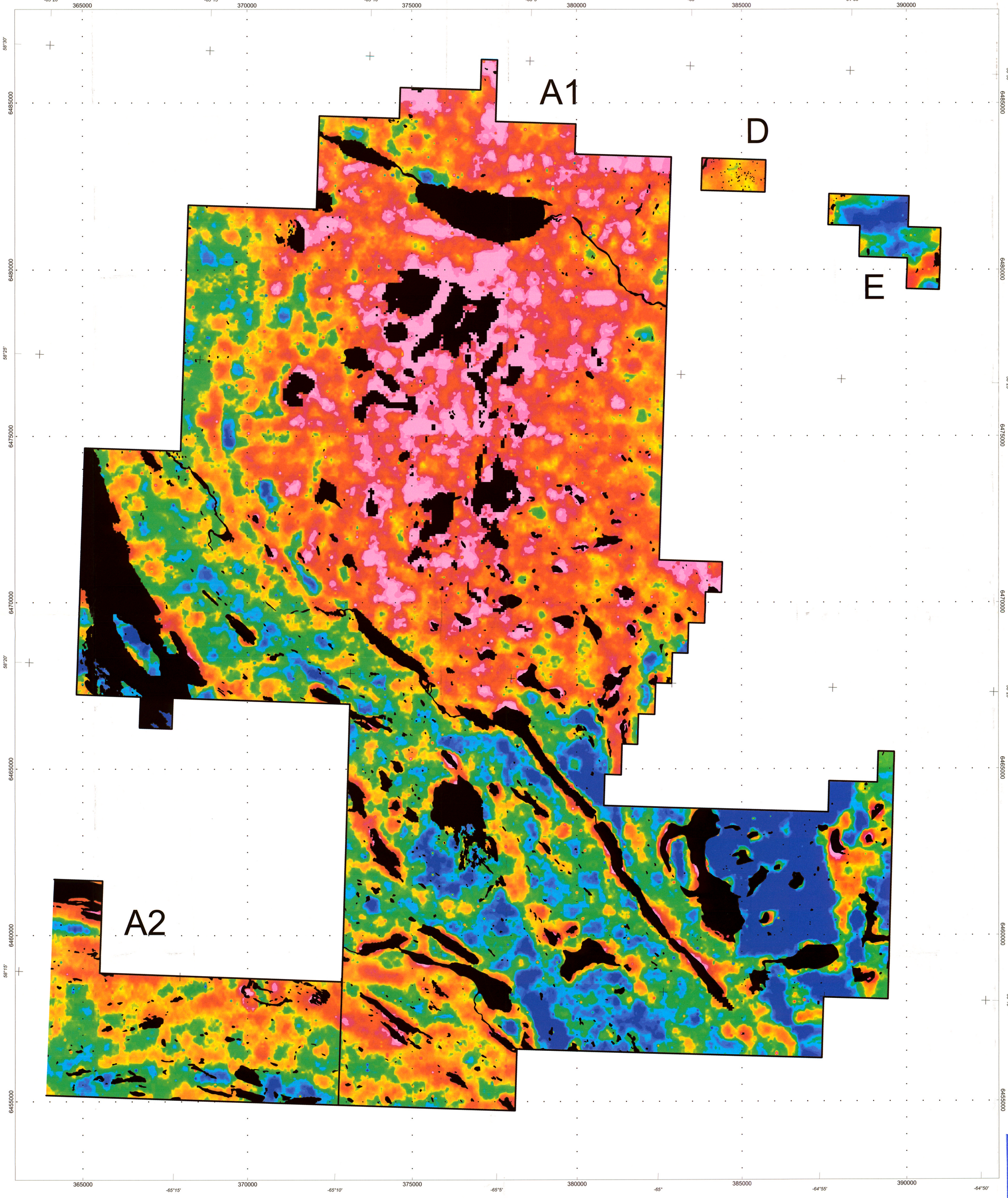
DIGITAL TERRAIN MODEL (m)

Contract: M-08516
Scale: 1: 50000
Drawing by A. Beaudoin, tech.
Checked by O. Létourneau, Phys.

Date: September 2008
Drawing: 08-09-120-00
Processed by J. Morel, Eng. jr.
Approved by R. Paul, Eng.

GEOPHYSICS GPR INTERNATIONAL INC.

2614073



Inc.: 77.8°
Dec.: -27.0°

GM 64509

0.2781
0.2155
0.2115
0.2090
0.2070
0.2055
0.2040
0.2025
0.2015
0.2005
0.1995
0.1985
0.1980
0.1970
0.1965
0.1960
0.1950
0.1945
0.1940
0.1935
0.1930
0.1925
0.1920
0.1915
0.1910
0.1905
0.1900
0.1890
0.1885
0.1880
0.1875
0.1870
0.1865
0.1855
0.1845
0.1840
0.1825
0.1810
0.1323
0.0000

Equivalent Uranium/Thorium Ratio

SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 500 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: June 29th to July 17th, 2008
-Line kilometres: 3048 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 (Canada Mean)
-UTM zone: 20 north
-Central meridian: 63° west

AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.8 m/s
-GPS receiver: Trimble AgGPS (WAAS)
-GPS sample rate: 0.1 s

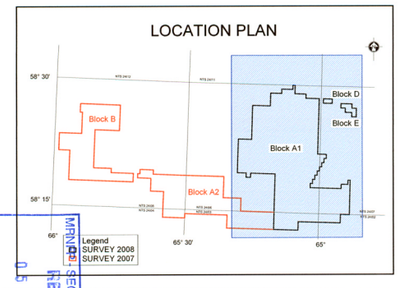
AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS
-Model: PICO GRS-10
-Resolution: 256 channels
-Four NaI crystal detectors, each with individual electronics, for a total of 16.8 litres of crystals
-Energy spectra from 36 keV to 3 MeV with linearity correction
-Data sampling rate: 1 Hz
-Signal sampling: 25 MHz by internal 12 bit ADC for each detector
-Pulse rate per detector: > 60000 pulses per second with negligible dead time
-Channel capacity: 65500 counts/sampling period
-Operating temperature range: -10° to +55° Celsius

RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
-Radar installation: Helicopter
-Radar accuracy: 1.5 m

PROCESSING SPECIFICATIONS
-Lag correction
-Spectrum smoothing by NASVD
-Window processing (back ground removal, stripping, altitude and sensitivity corrections)
-Radon removal using spectral ratio method
-Conversion to equivalent concentration
-Equivalent uranium concentration devided by equivalent thorium concentration above threshold
- Microlevelled

LEGEND
PROPERTY LIMITS
LAKE OR RIVER

LOCATION PLAN



Scale 1:50000
1000 0 1000 2000 3000
metres
NAD83 / UTM zone 20N

Bureau régional - Montréal
MRNF SECTEUR MINES
REÇU LE
05 JUIN 2009

AZIMUT EXPLORATION INC.

KANGIQ PROJECT - BLOCKS A1, D AND E
HELICOPTER BORNE GEOPHYSICAL SURVEY

EQUIVALENT URANIUM/THORIUM RATIO

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