

#### GM 63962

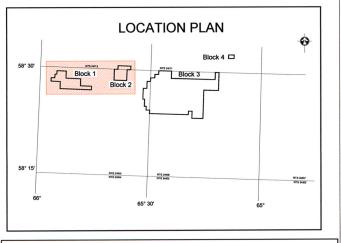
SURVEY SPECIFICATIONS
-Line spacing: 200 m
-Line direction: N-S
-Tie-line spacing: 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: July 12th to 14th, 2008
-Line kilometres: 264 km

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: 22.7 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





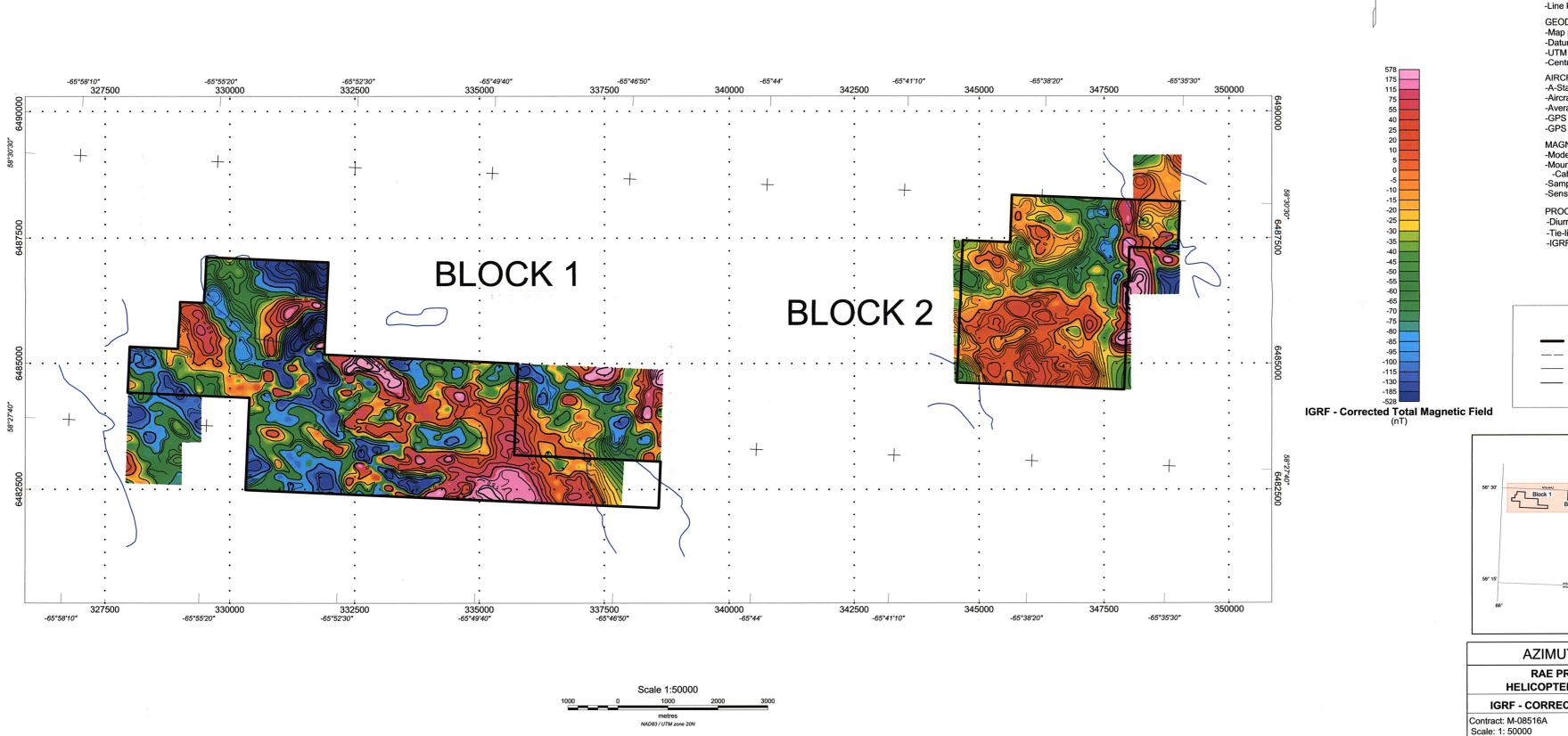
### AZIMUT EXPLORATION INC.

NORTH RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY

### FLIGHT PATH RECOVERY AND PROPERTY LIMITS

Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech. Checked by O. Létourneau, Phys. Date: September 2008 Drawing: 08-09-028-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.





SURVEY SPECIFICATIONS -Line spacing: 200 m -Tie-line spacing: 2000 m -Tieline direction: E-W -Mean terrain clearance: 30 m -Survey date: July 12th to 14th, 2008 -Line kilometres: 264 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 -UTM zone: 20 north

Inc.: 77.8° Dec.: -27.0°

> -Central meridian: 63° west **AIRCRAFT**

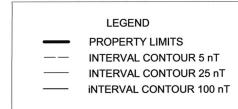
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.7 m/s
-GPS receiver: Trimble AgGPS (WAAS) -GPS sample rate: 0.1 s

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

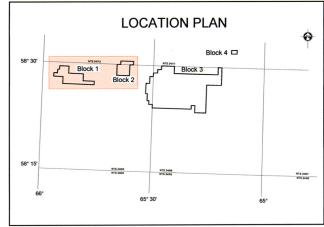
-Sensitivity: 0.002 nT (sqrt (Hz))

PROCESSING SPECIFICATIONS -Diurnal correction

-Tie-line levelling -IGRF removal



GM 63962



### AZIMUT EXPLORATION INC.

RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY

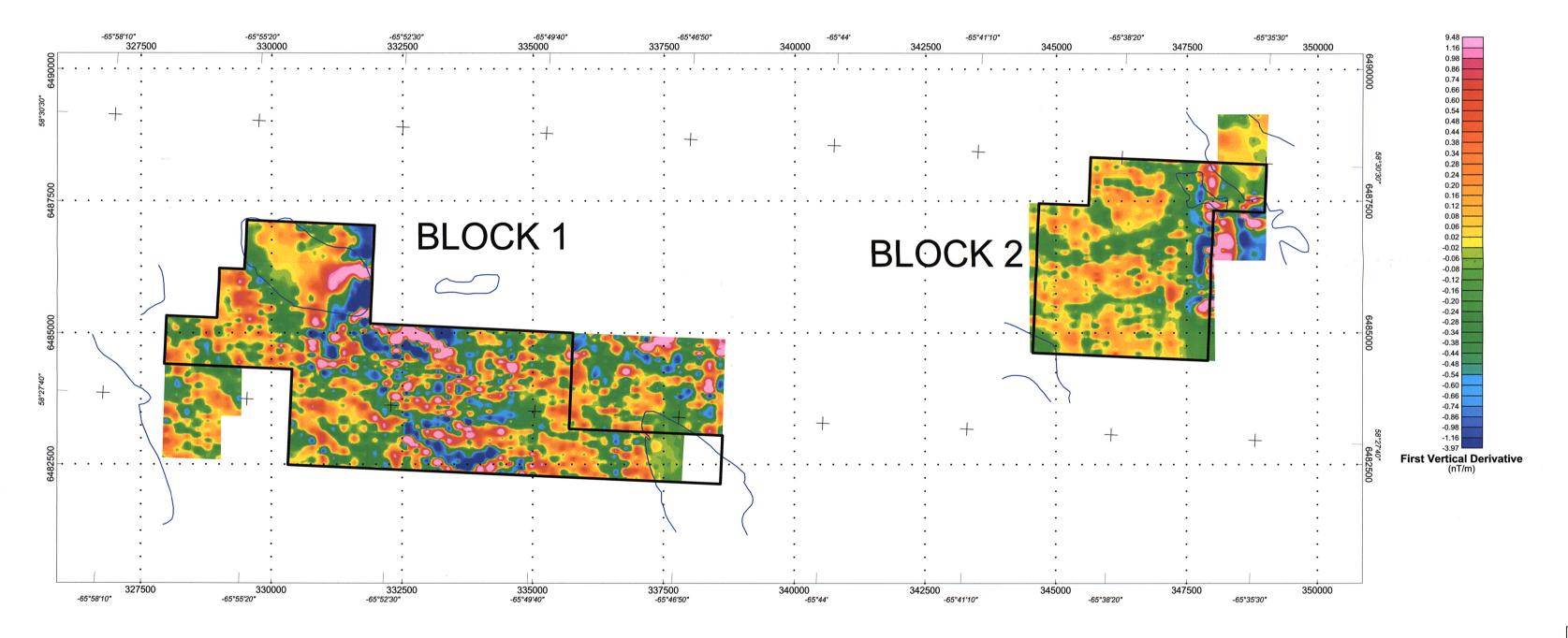
IGRF - CORRECTED TOTAL MAGNETIC FIELD (nT)

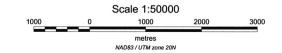
Drawing by A. Beaudoin, tech. Checked by O. Létourneau, Phys.

Date: September 2008 Drawing: 08-09-029-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.









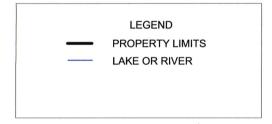
SURVEY SPECIFICATIONS -Line spacing: 200 m -Line direction: N-S -Tie-line spacing: 2000 m -Tieline direction: E-W -Mean terrain clearance: 30 m -Survey date: July 12th to 14th, 2008 -Line kilometres: 264 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83 -UTM zone: 20 north

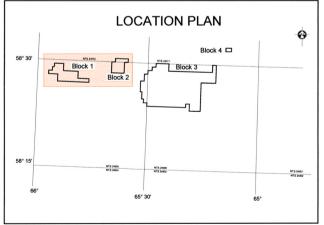
-Central meridian: 63° west **AIRCRAFT** -A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.7 m/s
-GPS receiver: Trimble AgGPS (WAAS)

-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))



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### AZIMUT EXPLORATION INC.

NORTH RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY

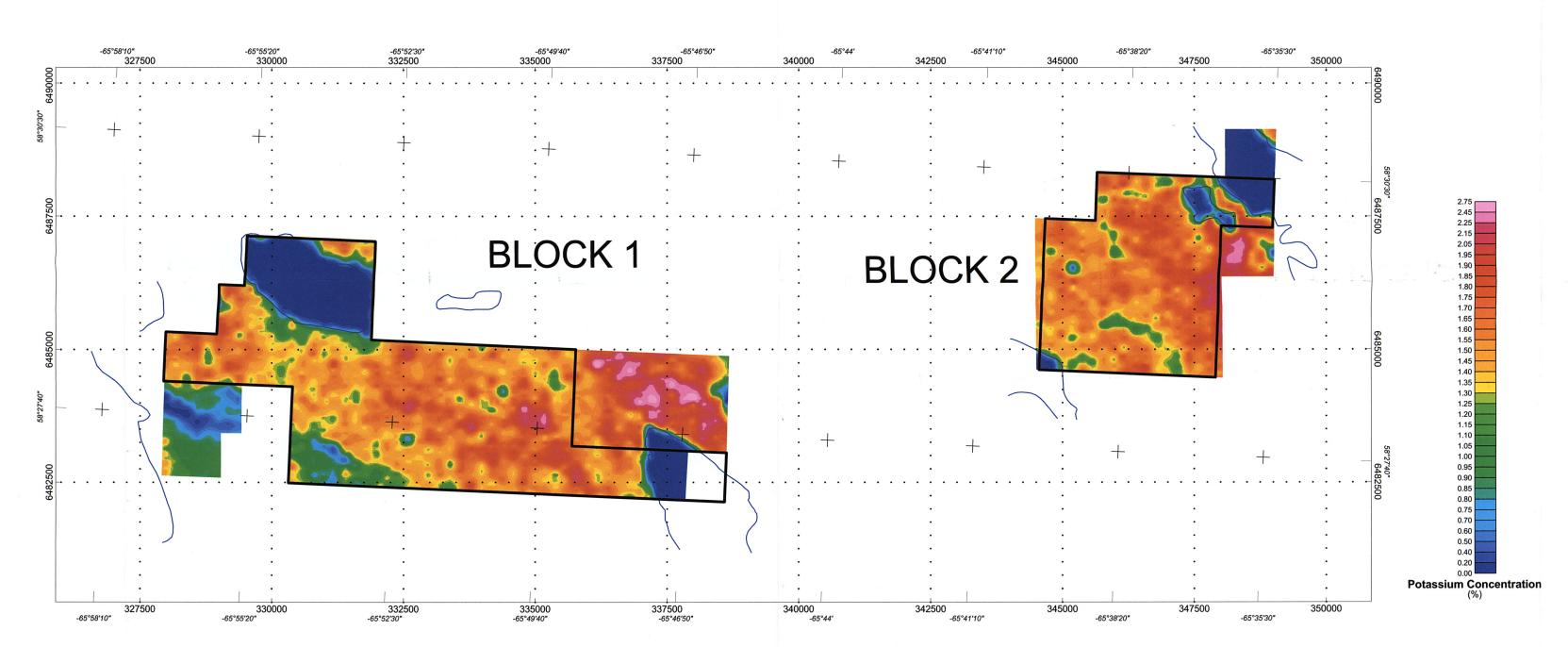
#### FIRST VERTICAL DERIVATIVE (nT/m)

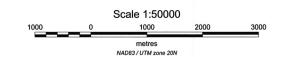
Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech. Checked by O. Létourneau, Phys.

Date: September 2008 Drawing: 08-09-030-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.









SURVEY SPECIFICATIONS

-Line spacing: 200 m -Line direction: N-S

-Tie-line spacing: 2000 m

-Tieline direction: E-W

-Mean terrain clearance: 60 m

-Survey date: July 12th to 14th, 2008 -Line kilometres: 264 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: 22.7 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 Nal 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

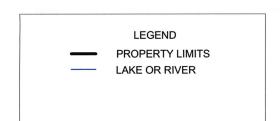
PROCESSING SPECIFICATIONS

-Lag correction
-Spectrum smoothing by NASVD

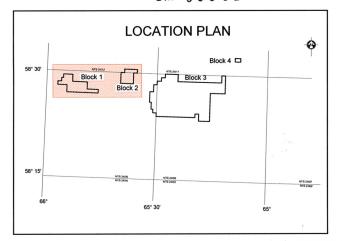
-Window processing (back ground removal, stripping, altitude and sensitivity corrections)

-Radon removal using spectral ratio method

-Conversion to equivalent concentration



### GM 63962



#### AZIMUT EXPLORATION INC.

NORTH RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY

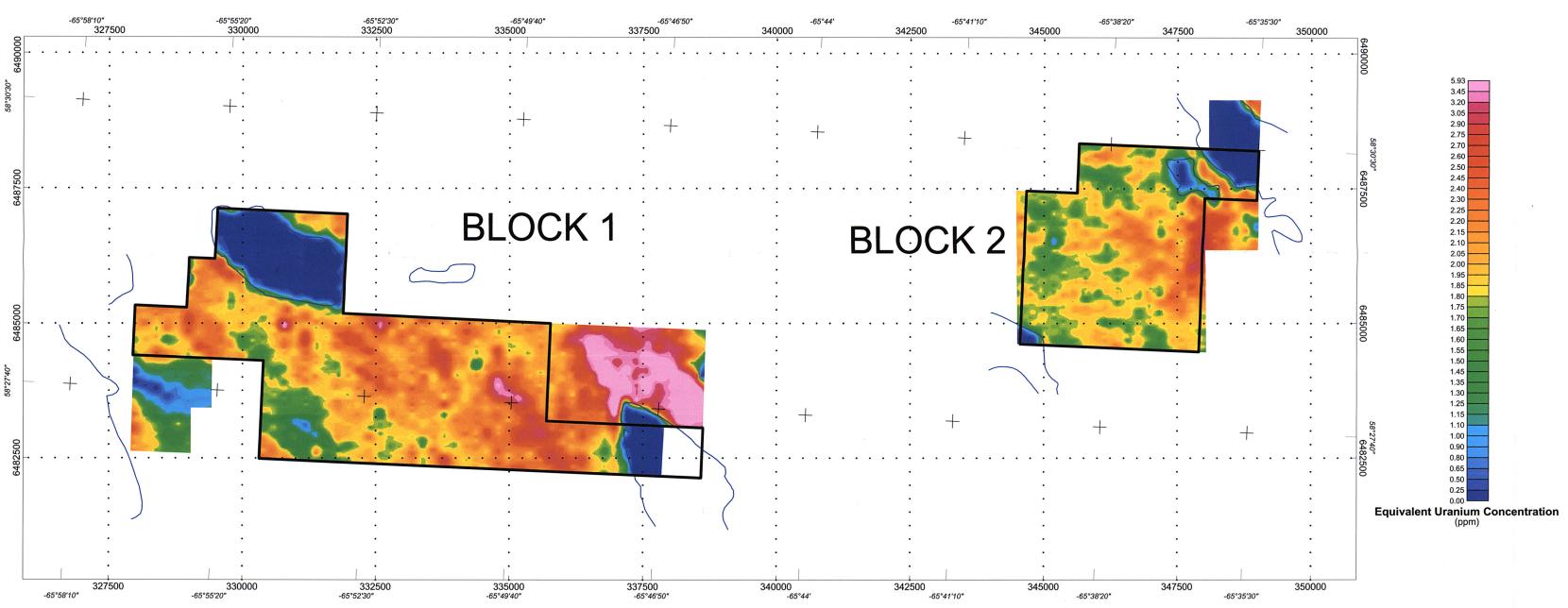
#### **POTASSIUM CONCENTRATION (%)**

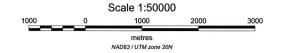
Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech. Checked by O. Létourneau, Phys.

Date: September 2008 Drawing: 08-09-031-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.









SURVEY SPECIFICATIONS

- -Line spacing: 200 m -Line direction: N-S
- -Tie-line spacing: 2000 m
- -Tieline direction: E-W -Mean terrain clearance: 60 m
- -Survey date: July 12th to 14th, 2008 -Line kilometres: 264 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: 22.7 m/s
- -GPS receiver: Trimble AgGPS (WAAS)
- -GPS sample rate: 0.1 s

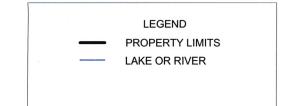
#### AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS -Model: PICO GRS-10

- -Resolution: 256 channels
- -Four Nal 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

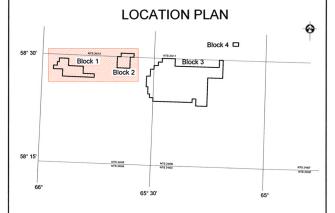
- RADAR SPECIFICATIONS -Model: TRA-3000 / TRI-40
- -Radar installation: Helicopter
- -Radar accuracy: 1.5 m

#### 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



#### GM 63962



#### AZIMUT EXPLORATION INC.

**NORTH RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY** 

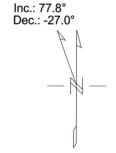
#### **EQUIVALENT URANIUM CONCENTRATION (ppm)**

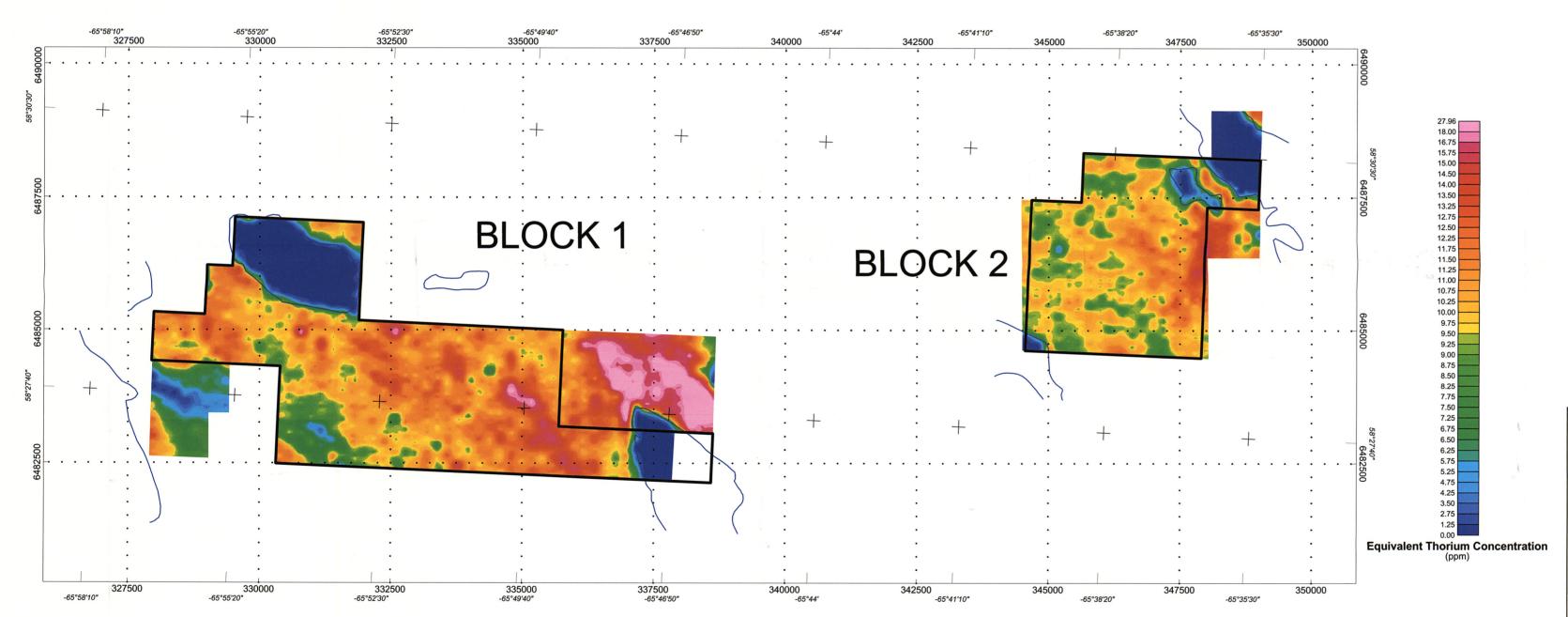
Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech.

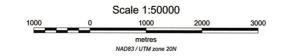
Checked by O. Létourneau, Phys.

Date: September 2008 Drawing: 08-09-032-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.









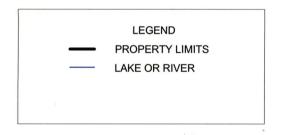
SURVEY SPECIFICATIONS -Line spacing: 200 m -Line direction: N-S -Tie-line spacing: 2000 m -Tieline direction: E-W -Mean terrain clearance: 60 m -Survey date: July 12th to 14th, 2008 -Line kilometres: 264 km GEODETIC SPECIFICATIONS -Map projection: UTM
-Datum: NAD-83 (Canada Mean) -UTM zone: 20 north -Central meridian: 63° west

AIRCRAFT -A-Star 350 B2, callsign: C-GFBW -Aircraft elevation (MTC): 60 m (nominal) -Average aircraft speed: 22.7 m/s -GPS receiver: Trimble AgGPS (WAAS) -GPS sample rate: 0.1 s

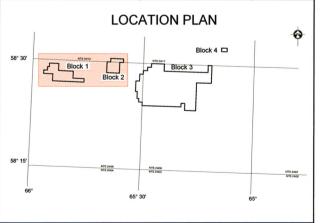
AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS -Model: PICO GRS-10 -Resolution: 256 channels -Four Nal crystal detectors, each with individual electronics, for a total of 16.8 litres of crystals -Energy spectra from 36 keV to 3 MeV with linearity correction -Data sampling rate: 1 Hz -Signal sampling: 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

PROCESSING SPECIFICATIONS -Lag correction -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

-Radar installation: Helicopter -Radar accuracy: 1.5 m



#### GM 63962



#### AZIMUT EXPLORATION INC.

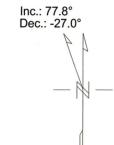
NORTH RAE PROJECT - BLOCKS 1 AND 2 **HELICOPTER BORNE GEOPHYSICAL SURVEY** 

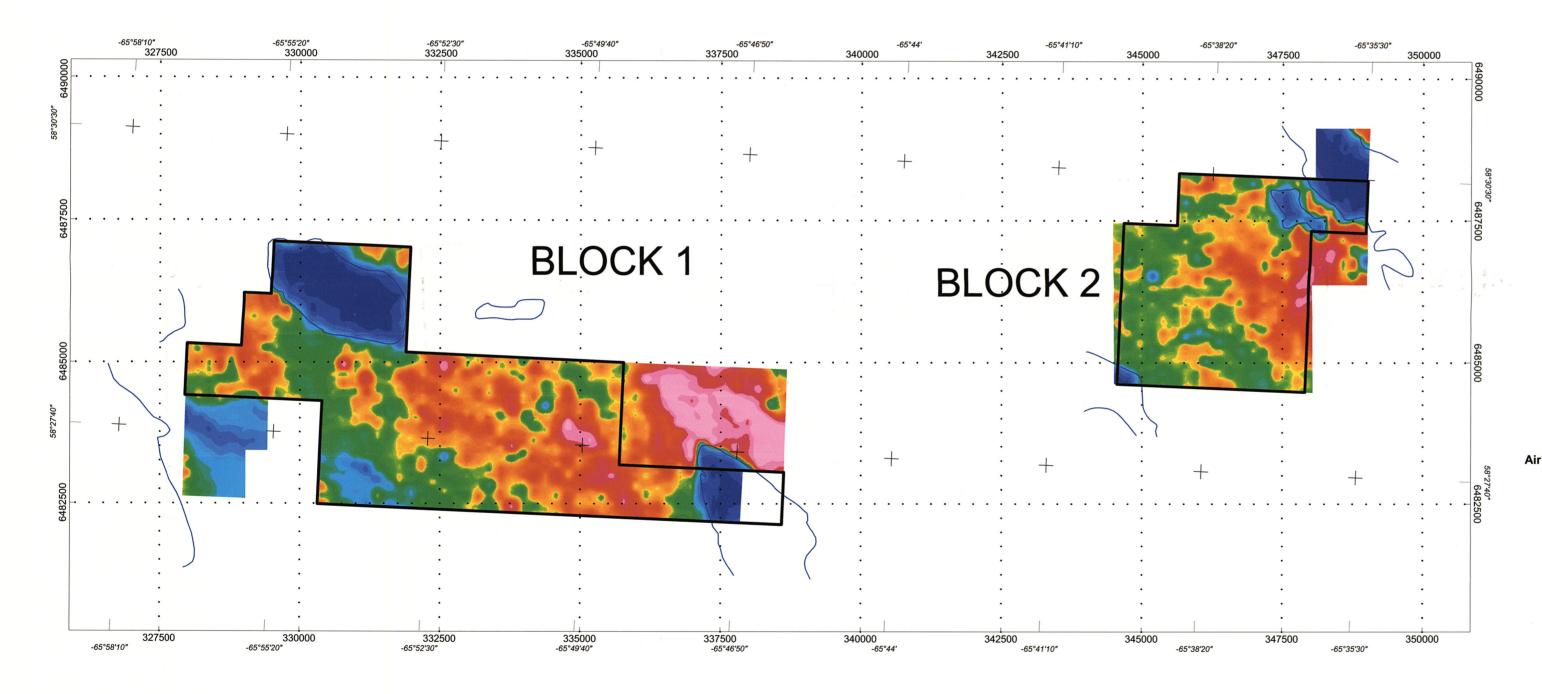
#### **EQUIVALENT THORIUM CONCENTRATION (ppm)**

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

Date: September 2008 Drawing: 08-09-033-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.







Scale 1:50000

60.5 56.5 53.0 51.0 49.5 48.5 47.5 46.6 45.0 44.0 43.5 43.0 42.5 41.0 40.5 40.0 39.5 39.0 38.5 38.0 37.0 34.5 34.5 34.5 34.5 35.0 36.0 37.0 36.0 37.0 36.0 37.0 Air Absorbed Dose Rate (nGy/h)

SURVEY SPECIFICATIONS -Line spacing: 200 m -Line direction: N-S

-Tie-line spacing: 2000 m -Tieline direction: E-W -Mean terrain clearance: 60 m

-Survey date: July 12th to 14th, 2008 -Line kilometres: 264 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: 22.7 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 Nal 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

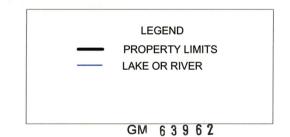
-Data sampling rate: 1 Hz -Signal sampling: 25 MHz by internal 12 bit ADC for each detector -Pulse rate per detector: > 60000 pulses per second with negligible dead time
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RADAR SPECIFICATIONS

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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



LOCATION PLAN NTS 2407 NTS 2402

### AZIMUT EXPLORATION INC.

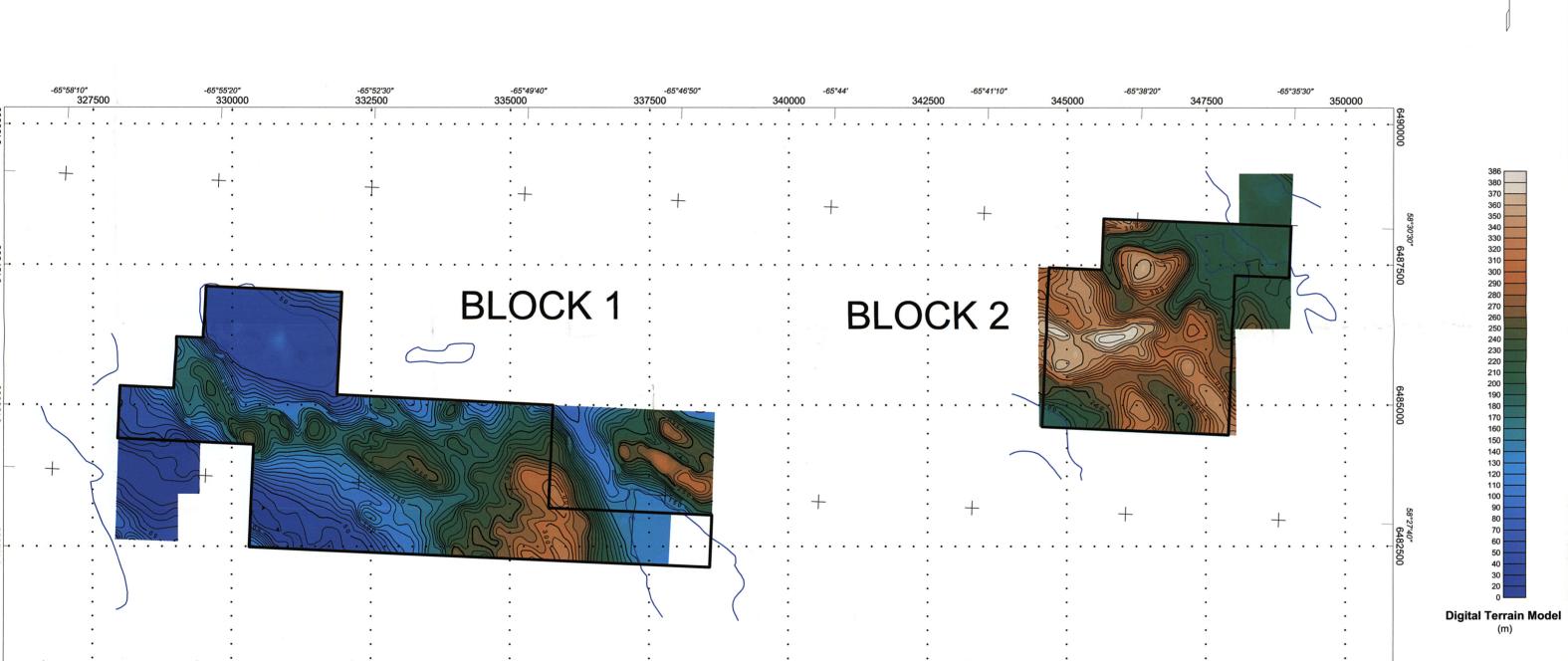
NORTH RAE PROJECT - BLOCKS 1 AND 2 **HELICOPTER BORNE GEOPHYSICAL SURVEY** 

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

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

Date: September 2008 Drawing: 08-09-034-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.





340000

342500

347500

345000

350000

335000 -65°49'40"

332500 -65°52'30"

330000

327500

-65°58'10"

337500 -65°46'50"

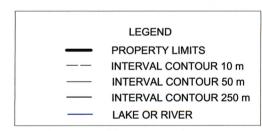


SURVEY SPECIFICATIONS
-Line spacing: 200 m
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GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83
-UTM zone: 20 north

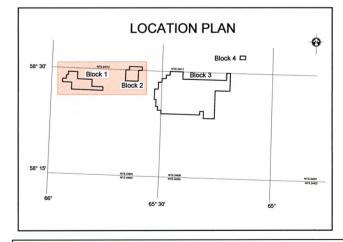
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RADAR SPECIFICATIONS
-Model: TRA-3000 / TRI-40
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-Radar accuracy: 1.5 m

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



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### AZIMUT EXPLORATION INC.

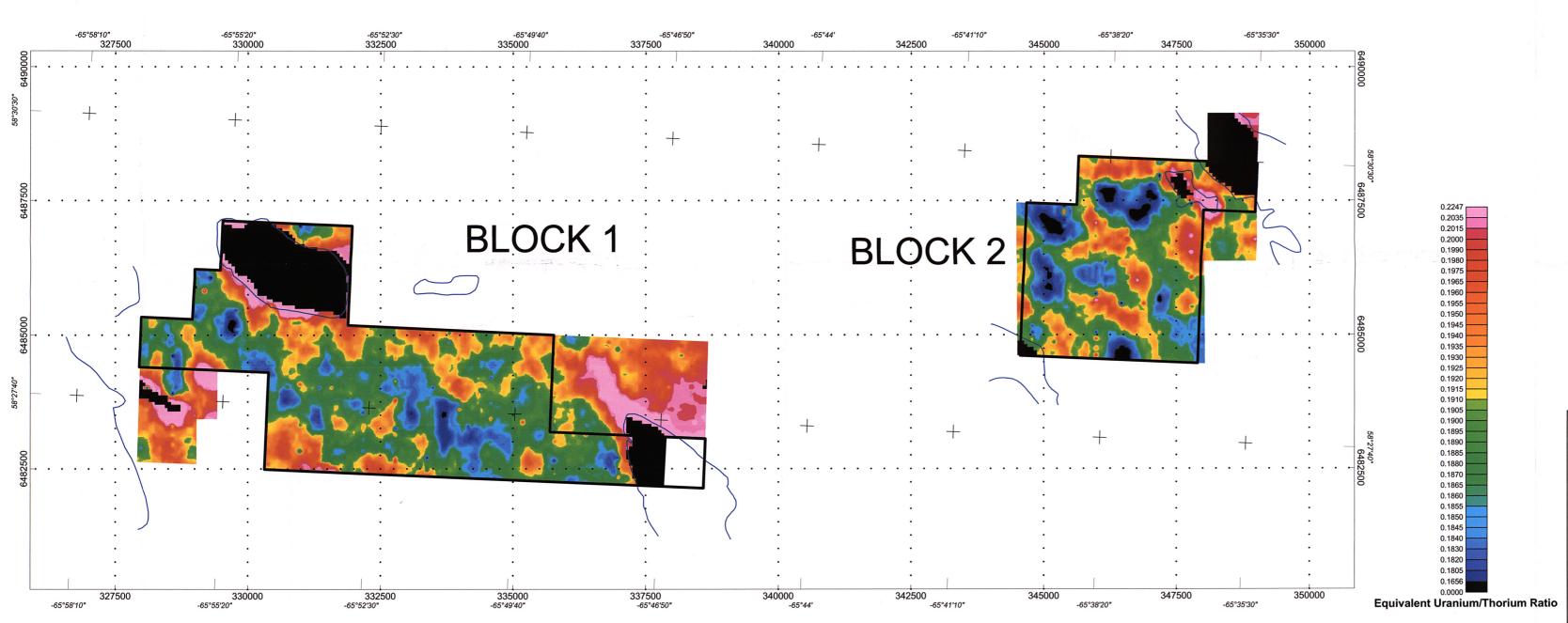
NORTH RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY

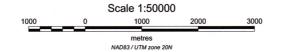
#### DIGITAL TERRAIN MODEL (m)

Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech. Checked by O. Létourneau, Phys. Date: September 2008 Drawing: 08-09-035-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.









SURVEY SPECIFICATIONS

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-Tie-line spacing: 2000 m

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-Average aircraft speed: 22.7 m/s -GPS receiver: Trimble AgGPS (WAAS)

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#### AIRBORNE GAMMA RAY SPECTROMETER SPECIFICATIONS -Model: PICO GRS-10

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RADAR SPECIFICATIONS
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-Radar installation: Helicopter

-Radar accuracy: 1.5 m

#### PROCESSING SPECIFICATIONS

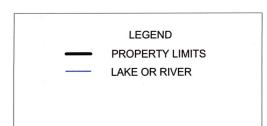
-Lag correction
-Spectrum smoothing by NASVD

-Window processing (back ground removal, stripping, altitude and sensitivity corrections)
-Radon removal using spectral ratio method

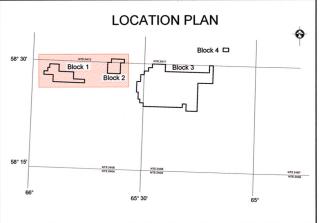
-Conversion to equivalent concentration

-Equivalent uranium concentration devided by

equivalent thorium concentration above threshold -Microlevelled



#### GM 63962



#### AZIMUT EXPLORATION INC.

NORTH RAE PROJECT - BLOCKS 1 AND 2 HELICOPTER BORNE GEOPHYSICAL SURVEY

#### **EQUIVALENT URANIUM/THORIUM RATIO**

Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech.

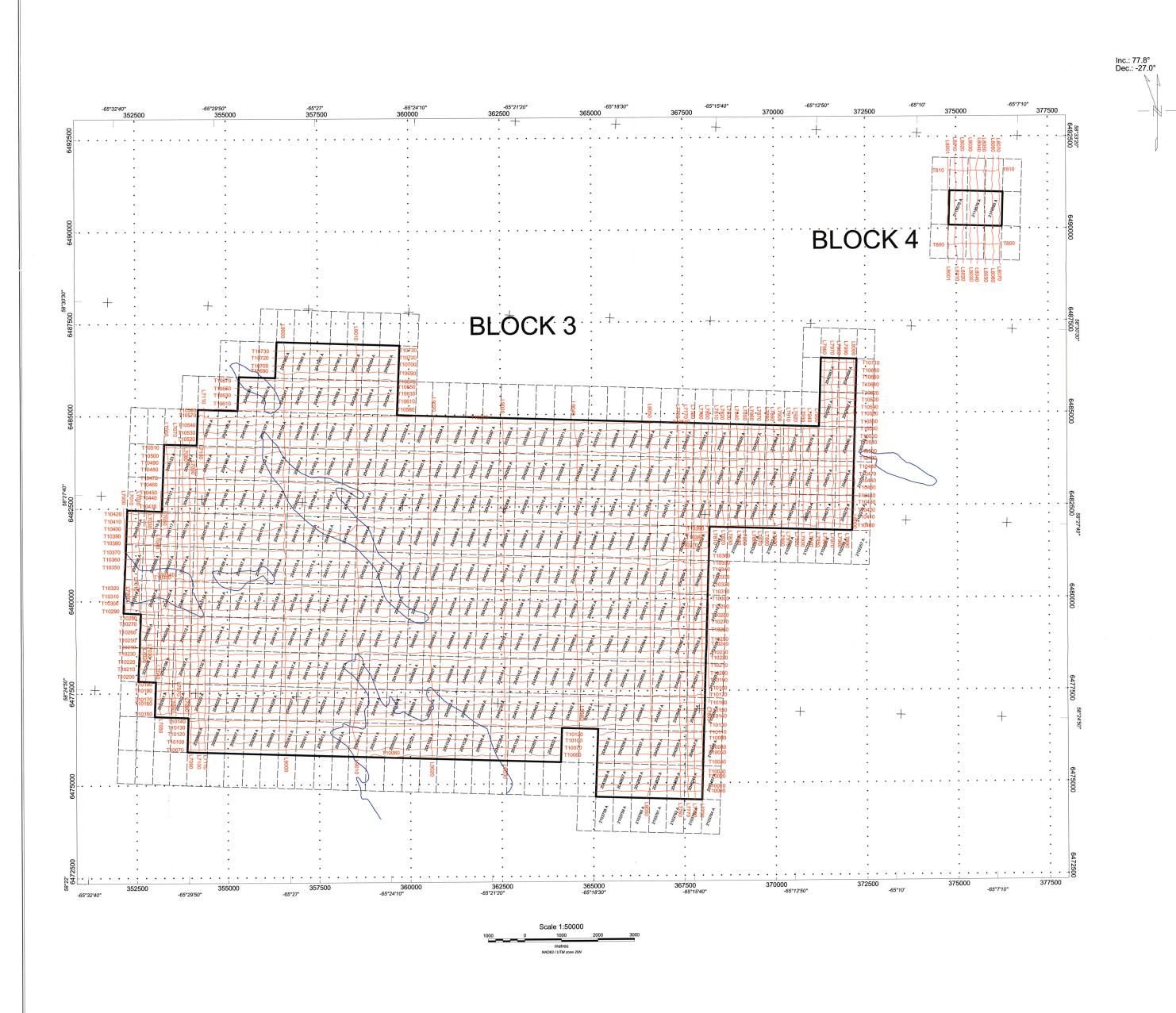
Checked by O. Létourneau, Phys.

Date: September 2008 Drawing: 08-09-049-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.



GEOPHYSICS GPR INTERNATIONAL INC.

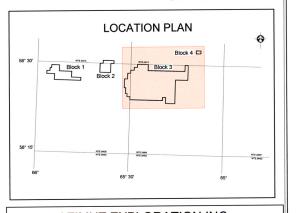
760079 ==



SURVEY SPECIFICATIONS
-Line spacing: 200 and 2000 m
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-Tie-line spacing: 100 and 2000 m
-Tieline direction: E-W
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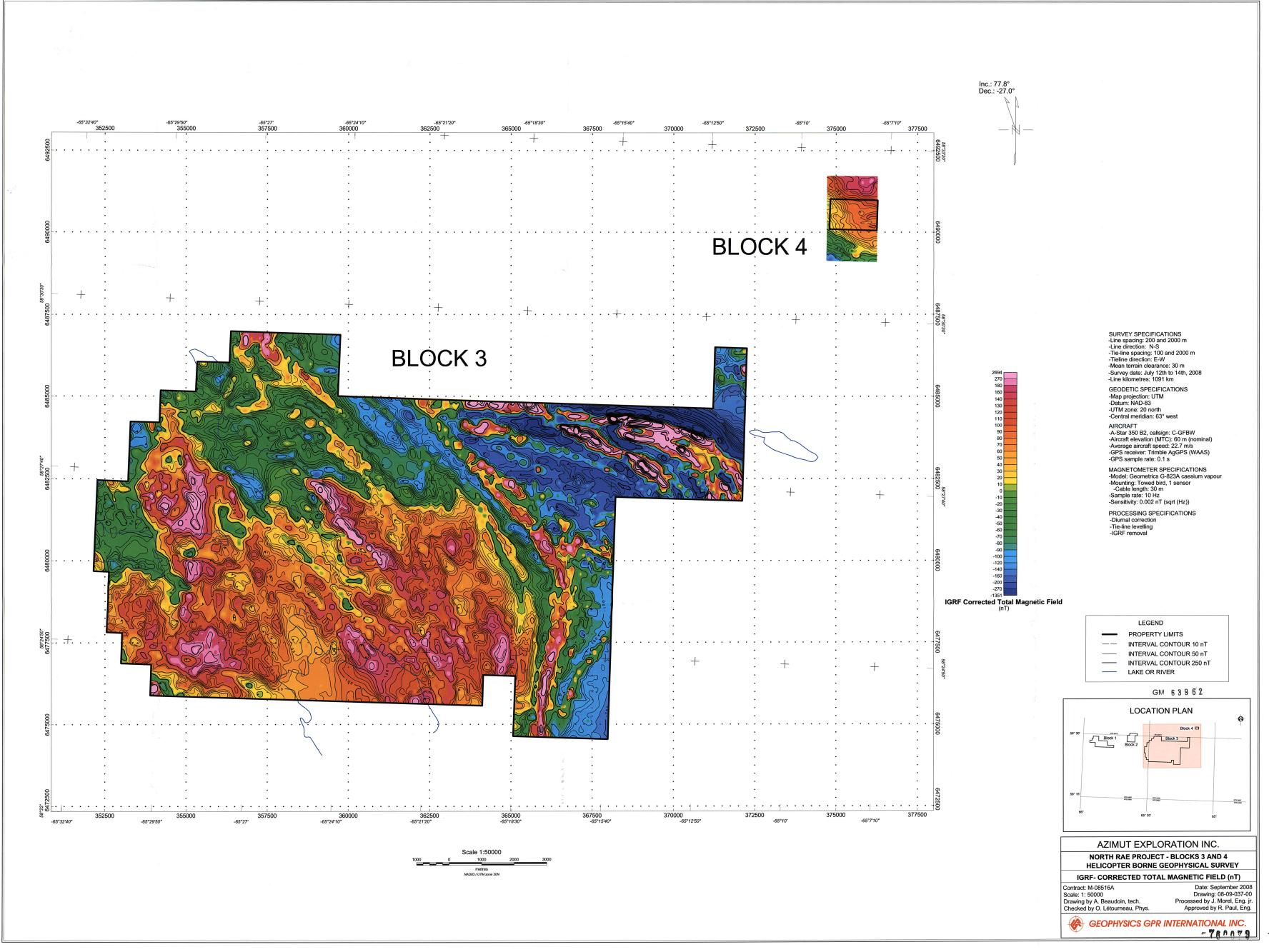
### AZIMUT EXPLORATION INC.

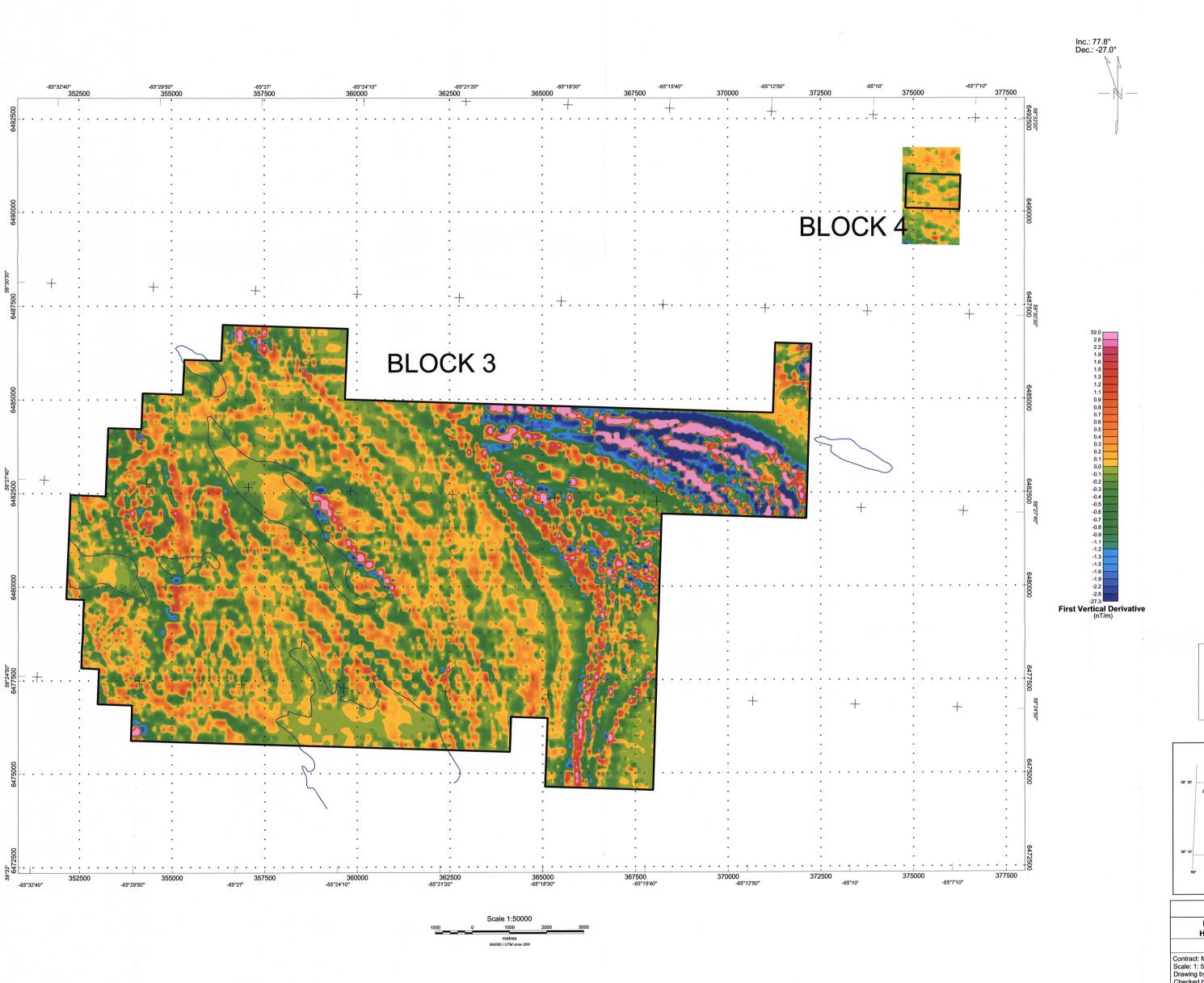
NORTH RAE PROJECT - BLOCKS 3 AND 4 HELICOPTER BORNE GEOPHYSICAL SURVEY

### FLIGHT PATH RECOVERY AND PROPERTY LIMITS

Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech. Date: September 200 Drawing: 08-09-036-0 Processed by J. Morel, Eng. Approved by R. Paul, Eng.







SURVEY SPECIFICATIONS
-Line spacing: 200 and 2000 m
-Line direction: N-S
-Tie-line spacing: 100 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 30 m
-Survey date: July 12th to 14th, 2008
-Line kilometres: 1091 km

GEODETIC SPECIFICATIONS
-Map projection: UTM
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-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: 22.7 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

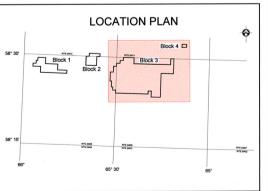
-Cable length: 30 m

-Sample rate: 10 Hz

-Sensitivity: 0.002 nT (sqrt (Hz))

PROPERTY LIMITS
LAKE OR RIVER

### GM 63962



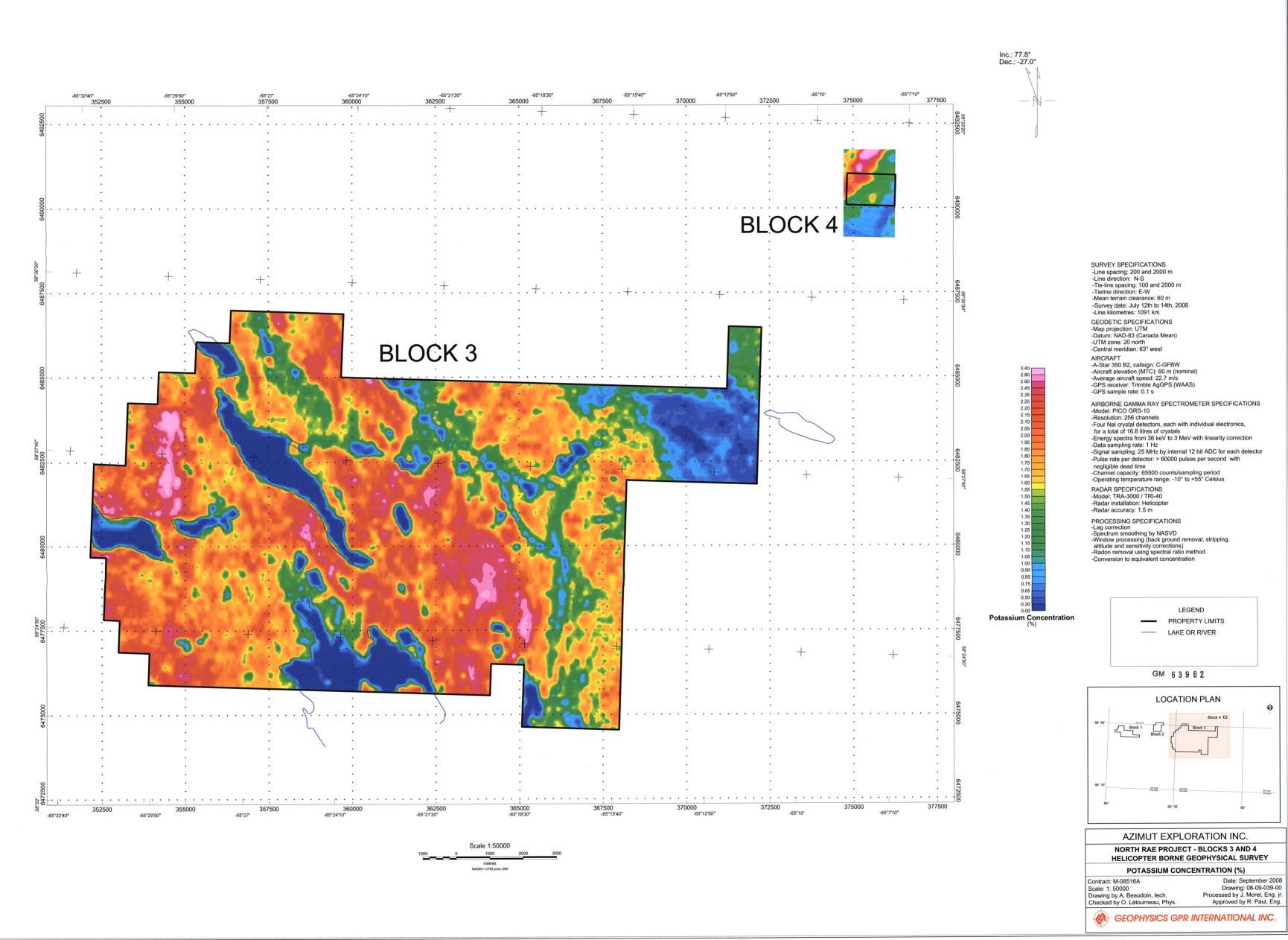
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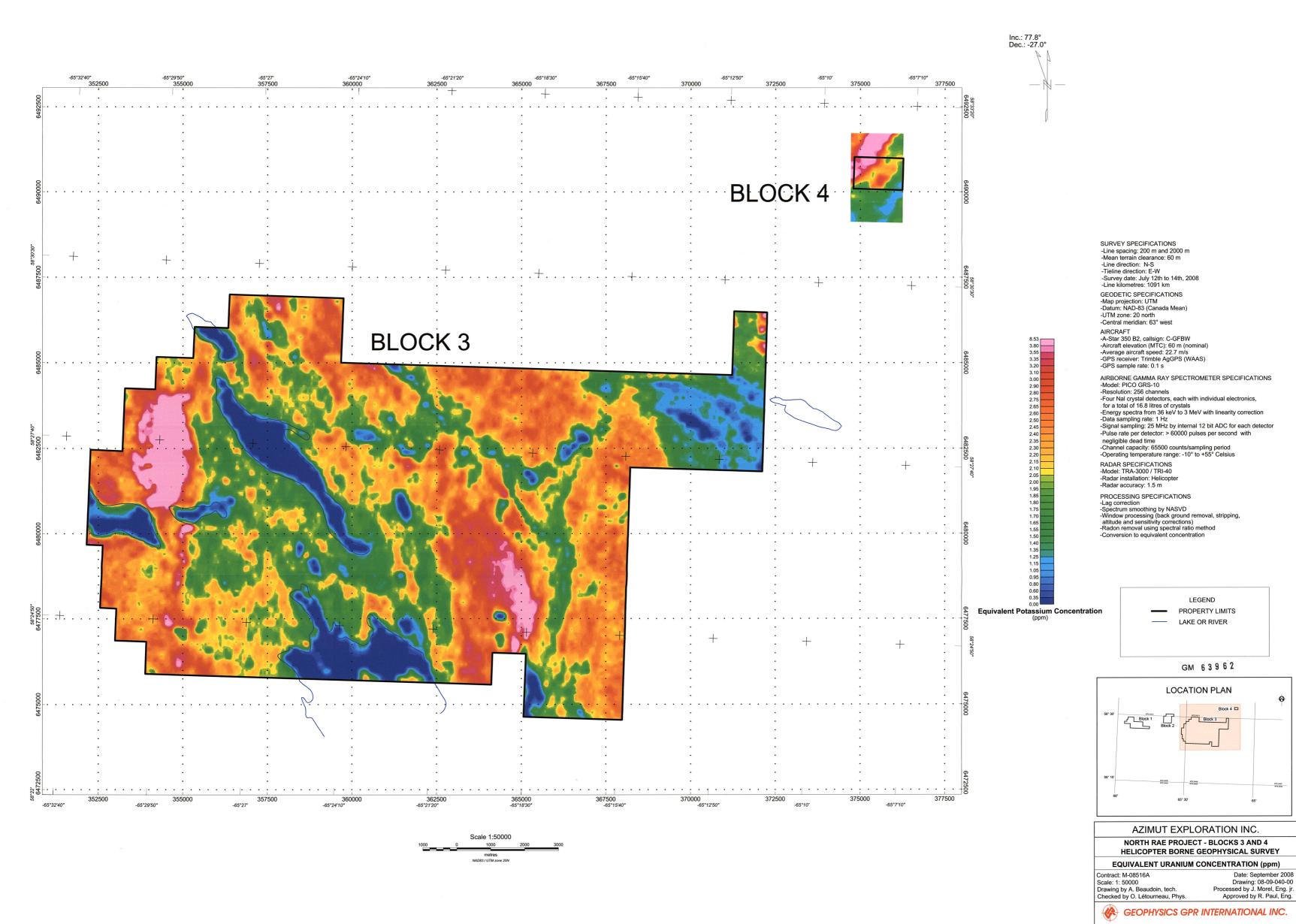
NORTH RAE PROJECT - BLOCKS 3 AND 4 HELICOPTER BORNE GEOPHYSICAL SURVEY

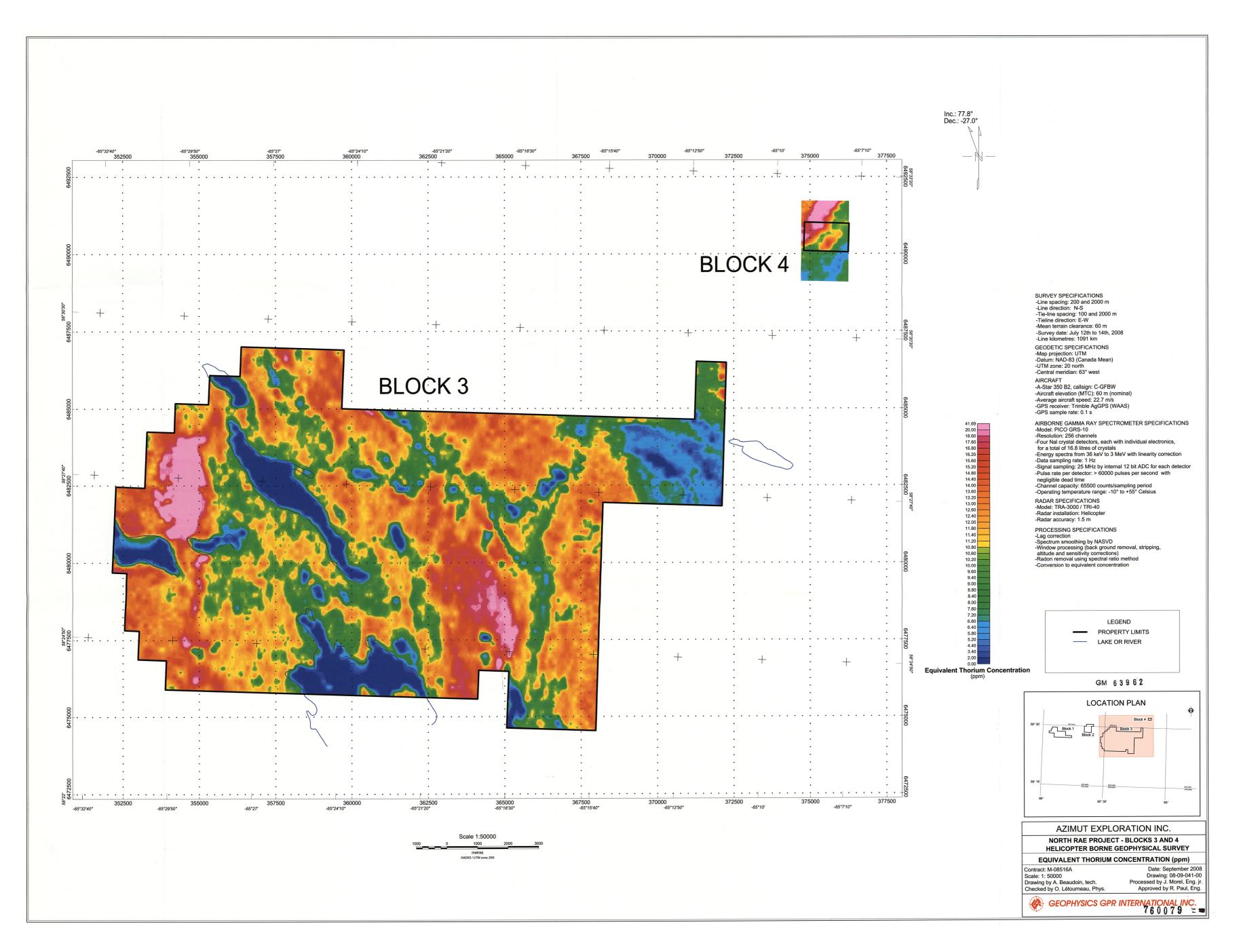
### FIRST VERTICAL DERIVATIVE (nT/m)

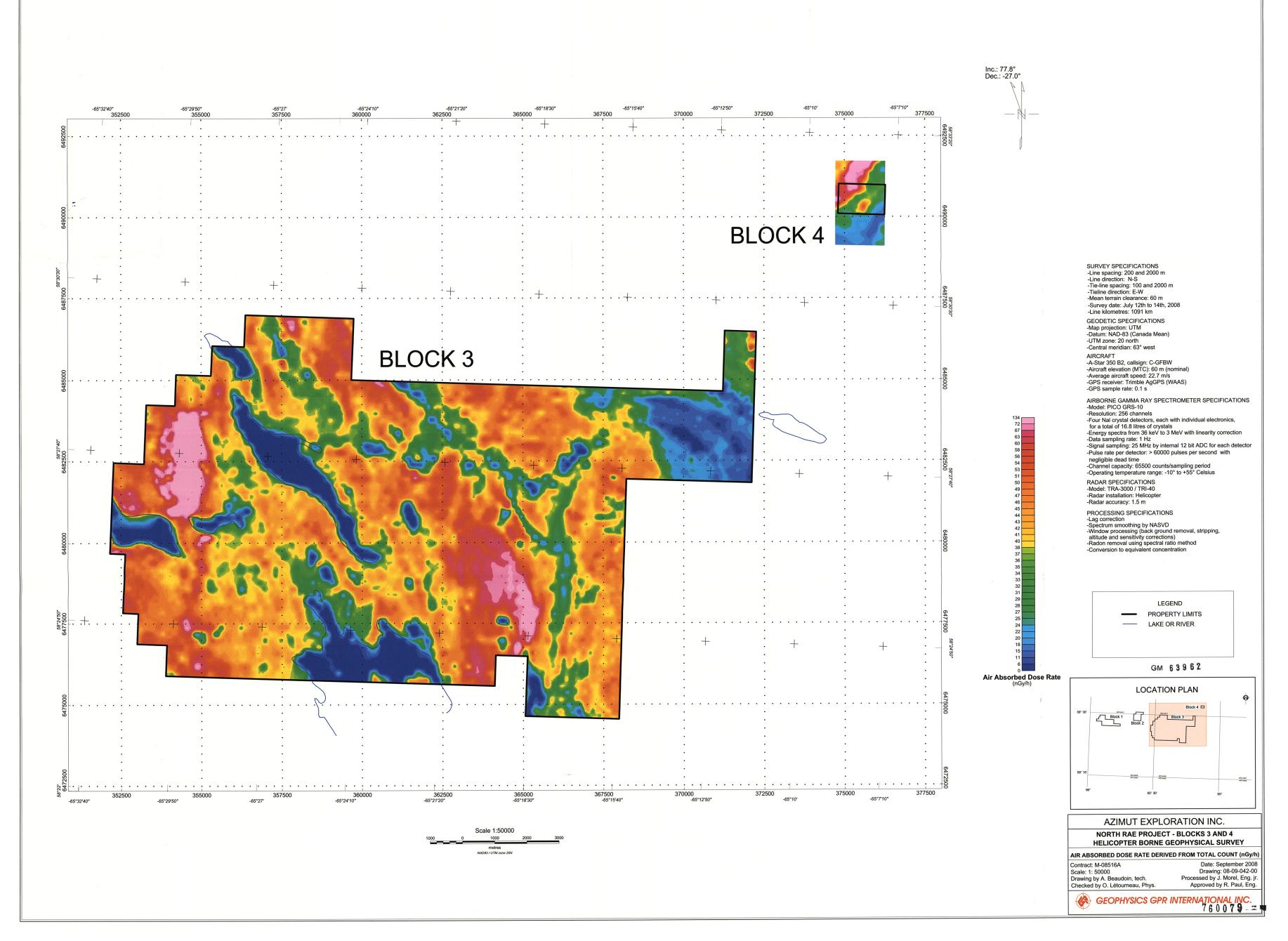
Contract: M-08516A Scale: 1: 50000 Drawing by A. Beaudoin, tech. Checked by O. Létourneau, Phys. Date: September 2008 Drawing: 08-09-038-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.

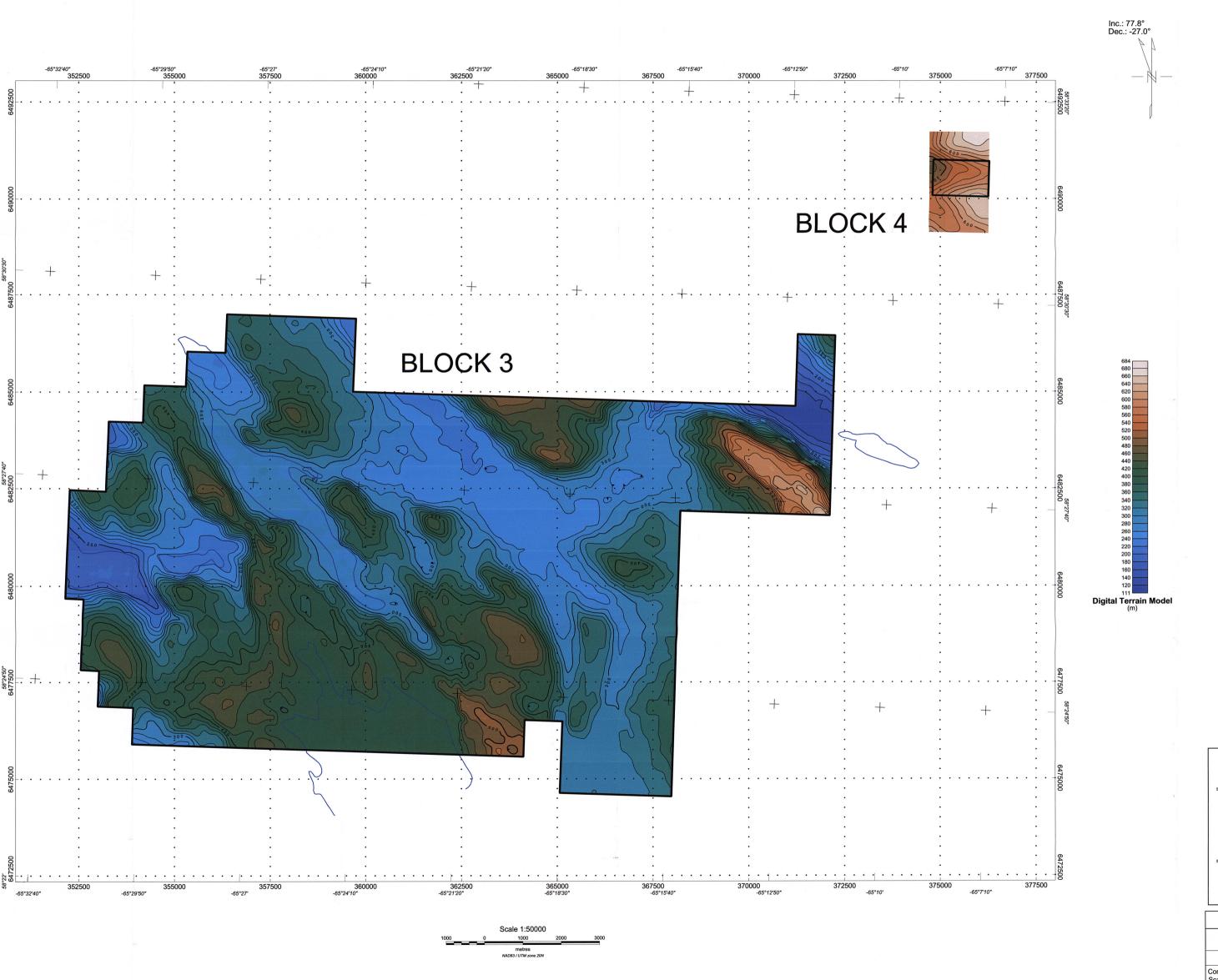








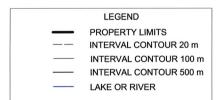




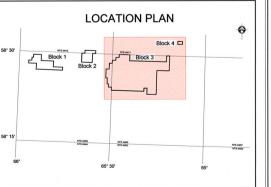
SURVEY SPECIFICATIONS
-Line spacing: 200 and 2000 m
-Line direction: N-S
-Tie-line spacing: 100 and 2000 m
-Tieline direction: E-W
-Mean terrain clearance: 60 m
-Survey date: July 12th to 14th, 2008
-Line kilometres: 1091 km
GEODETIC SPECIFICATIONS
-Map projection: UTM
-Datum: NAD-83
-UTM zone: 20 north
-Central meridian: 63° west
AIRCRAFT
-A-Star 350 B2, callsign: C-GFBW
-Aircraft elevation (MTC): 60 m (nominal)
-Average aircraft speed: 22.7 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



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### DIGITAL TERRAIN MODEL (m)

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

Date: September 2008 Drawing: 08-09-043-00 Processed by J. Morel, Eng. jr. Approved by R. Paul, Eng.



