

Specifications and Notes

Survey Line Specifications:
 Total Line Kilometers: 5239 km
 Line Spacing: 50 m
 Tie Spacing: 500 m
 Line Azimuth: N330.0° E
 Tie Azimuth: N050.0° E

Geodetic Specifications
 Map Projection: UTM
 Datum: NAD83 (CSRS)
 Zone: 18 North
 Central Meridian: 75° West
 False Easting: 500 000
 False Northing: 0

Helicopter Specifications
 Helicopter: AS350 D (C-GBOP)
 Average Speed: 40.9 m/s
 Average Flying Height: 20% drape surface, average 38.3 m

Magnetometer Specifications
 Magnetometer: Geometrics Cesium
 Magnetometer Installation: Slinger
 Sample Rate: 10Hz
 Base Station Magnetometer: GEM GSM-19 Overhauser

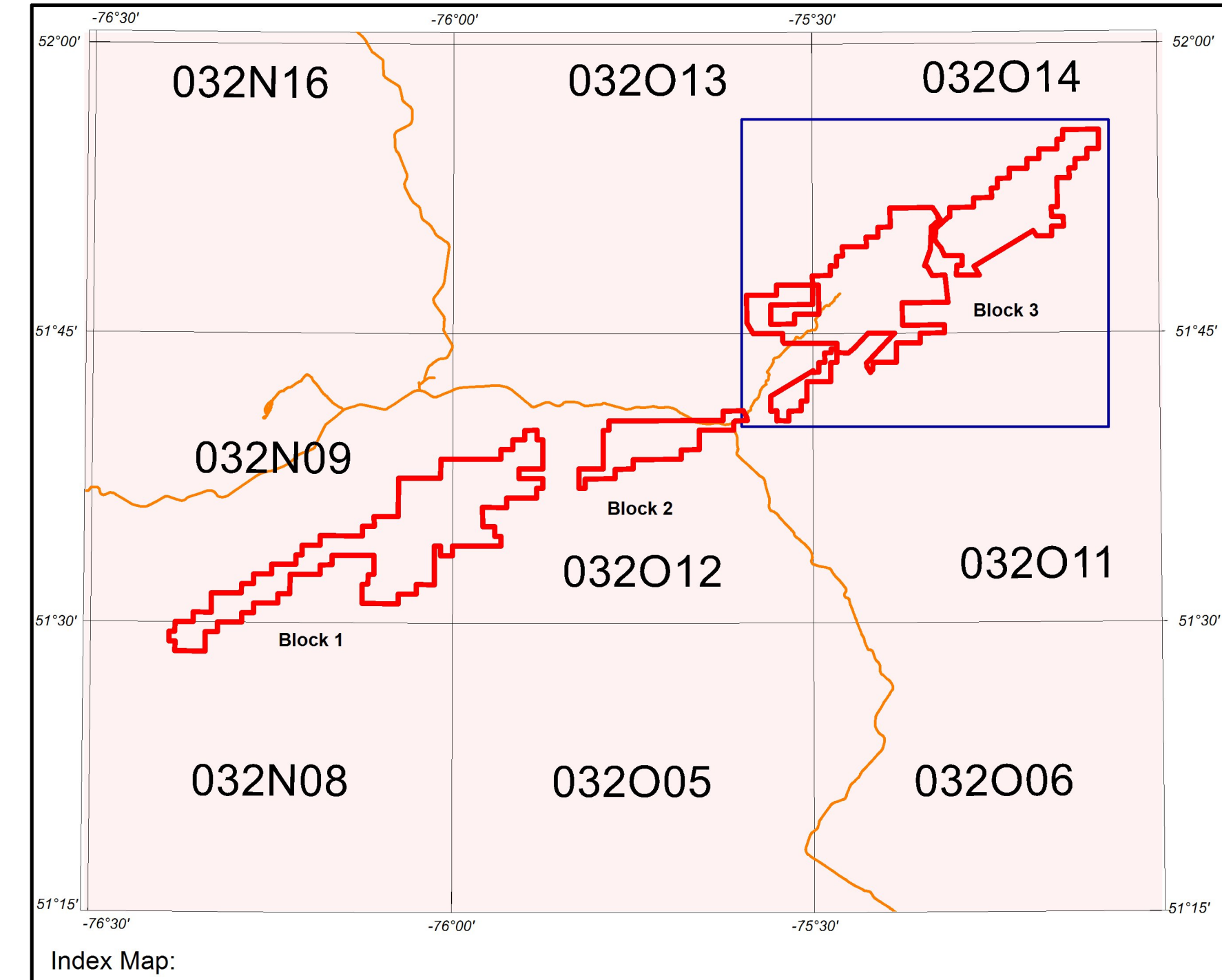
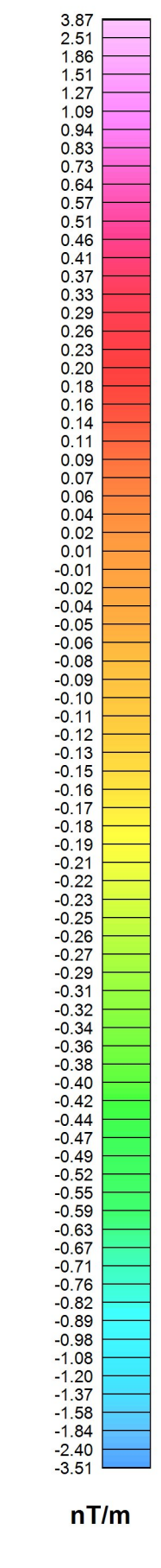
Ancillary Equipment
 Data Acquisition System: RMS DAARC500
 Laser Altimeter: Renishaw ILM-1200-R
 GPS Receiver: Novatel ProPak6
 GPS Differential Correction: SBAS
 GPS Sample Rate: 1 Hz

Note:
 Magnetic data were corrected for diurnal drift and for altitude using the drape surface as reference. Tie-line levelling and micro-levelling were then applied.


Data Gridding Cell size: 12.5 m

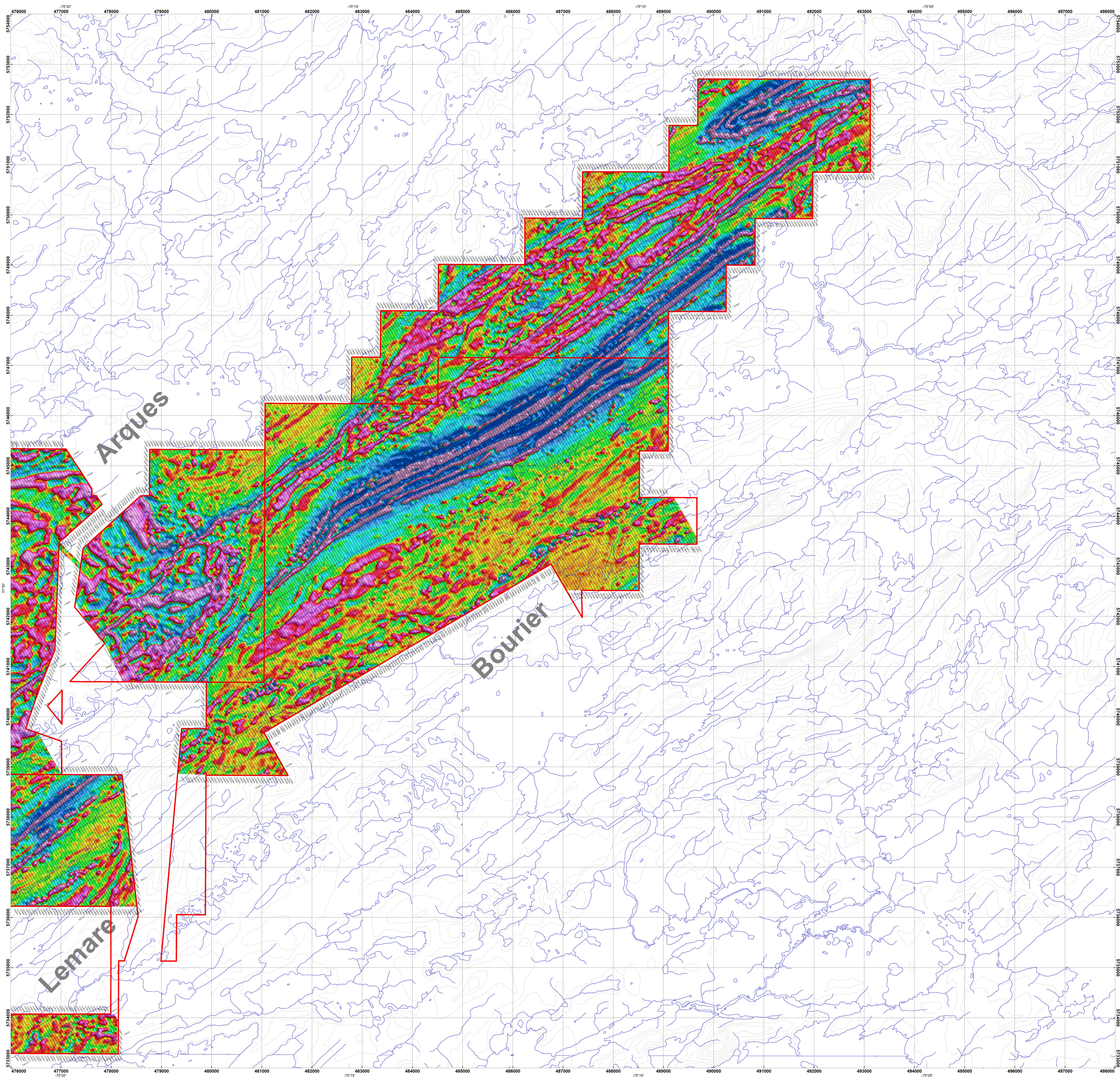
Planimetric Symbols
 Topographic Contours:
 Drainage:
 Claim boundary:
 Road:

Topographic and hydrographic information from Geobase Canvec 1: 50K.



Client:	Critical Elements Lithium Corp.	
Type:	Helicopter-borne Magnetic Survey	
Project:	Quebec's Eeyou Istchee James Bay Projects	
Area:	Arques, Bourrier and Lemare properties 032O11, 032O12, 032O13, 032O14 Shadow: Inc. 45°, Dec. N45°E	
Title:	First Vertical Derivative of the Magnetic Field	
Scale:	 metres NAD83(CSRS) / UTM zone 18N	

 GEO DATA SOLUTIONS GDS Inc.	
Project #: P21004	Date: Mar. 26, 2021
Data Processing: M. Moussaoui, P. Eng.	Verification: F. Caty, K. Khan, P. Geo
Ref #: FVDCE_BLOC3_50K Approval: M. Moussaoui, P. Eng.	



Specifications and Notes

Survey Line Specifications:
 Total Line Kilometers: 5239 km
 Line Spacing: 50 m
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 Line Azimuth: N330.0° E
 Tie Azimuth: N060.0° E

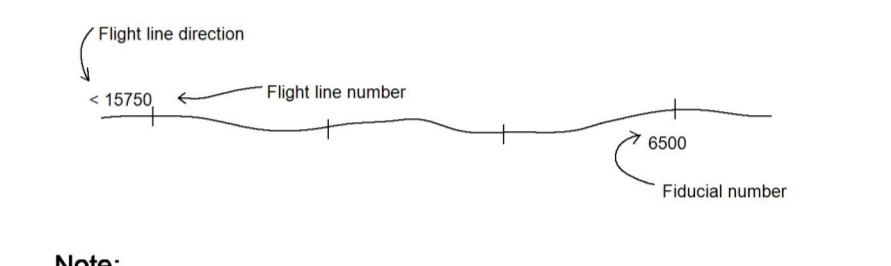
Geodetic Specifications
 Map Projection: UTM
 Datum: NAD83 (CSRS)
 Zone: 18 North
 Central Meridian: 75° West
 False Easting: 500 000
 False Northing: 0

Helicopter Specifications
 Helicopter: AS350 D (C-GBOP)
 Average Speed: 40.9 m/s
 Average Flying Height: 20% drape surface, average 38.3 m

Magnetometer Specifications
 Magnetometer: Geometrics Cesium
 Magnetometer Installation: Slinger
 Sample Rate: 10 Hz
 Base Station Magnetometer: GEM GSM-19 Overhauser

Ancillary Equipment
 Data Acquisition System: RMS DAARC500
 Laser Altimeter: Renishaw ILM-1200-R
 GPS Receiver: Novatel ProXR6
 GPS Differential Correction: SBAS
 GPS Sample Rate: 1 Hz

Flight Path
 GPS data recorded during flight were corrected using Canadian Spatial Reference System: Precise Point Positioning method.

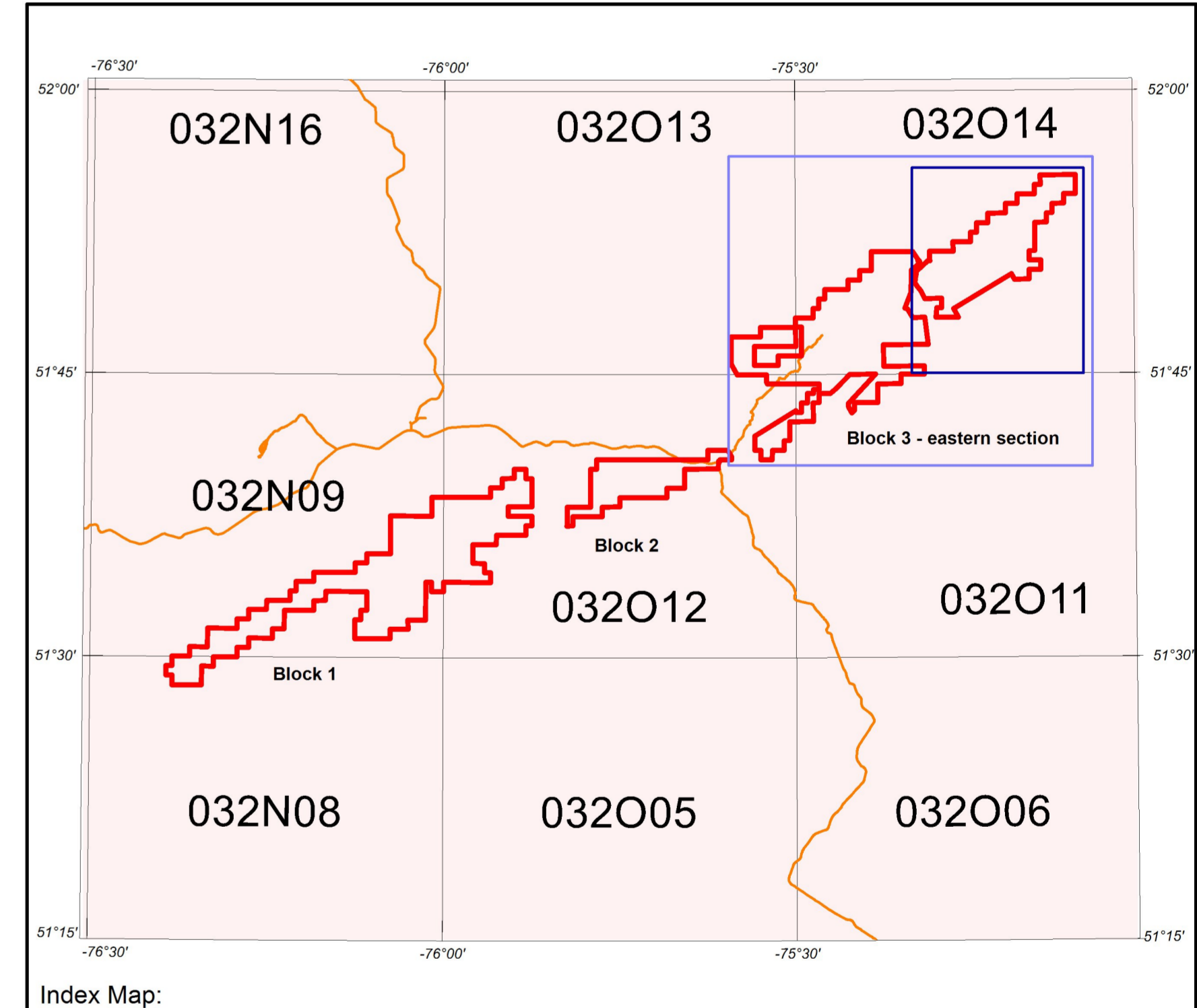


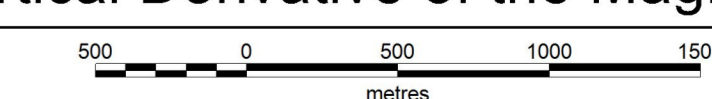
Note: Magnetic data were corrected for diurnal drift and for altitude using the drape surface as reference. Tie-line leveling and micro-leveling were then applied.

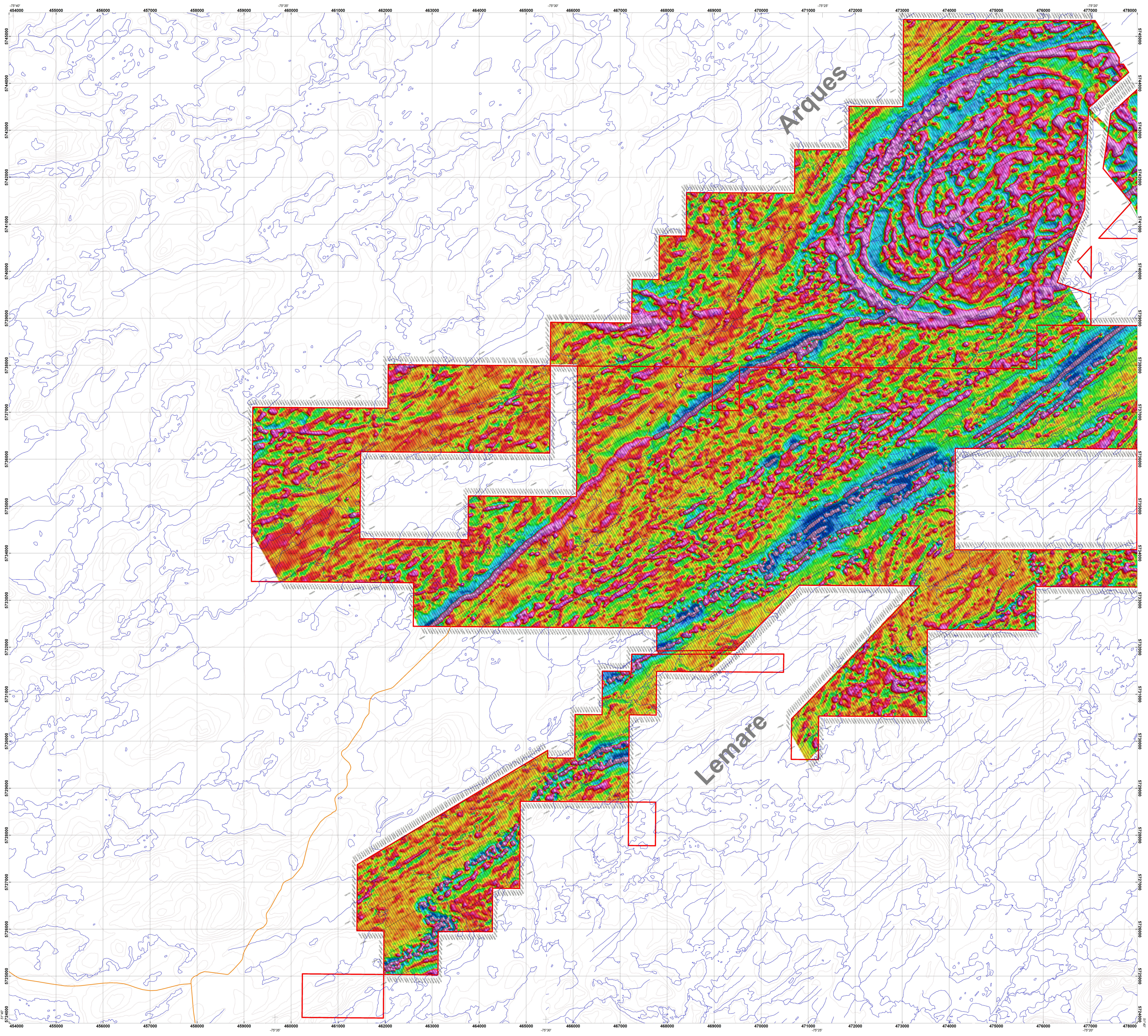
Data Gridding Cell size: 12.5 m

Planimetric Symbols
 Topographic Contours: [Symbol]
 Drainage: [Symbol]
 Claim boundary: [Symbol]
 Road: [Symbol]

Topographic and hydrographic information from Geobase Carvec 1:50K



Client:	Critical Elements Lithium Corp.	
Type:	Helicopter-borne Magnetic Survey	
Project:	Quebec's Eeyou Istchee James Bay Projects	
Area:	Arques, Bourrier and Lemare properties 032O14, 032O12	
Title:	First Vertical Derivative of the Magnetic Field	
Scale:	 NAD83/CSRS/UTM zone 18N	
Project #:	Date:	Ref #:
P21004	Mar. 26, 2021	FVDC_BLOC3_EAST_25K
Data Processing:	Verification:	Approval:
M. Moussoui, P. Eng.	F. Caty, K. Khan, P. Geo	M. Moussoui, P. Eng.



Specifications and Notes

Survey Line Specifications:
 Total Line Kilometers: 5239 km
 Line Spacing: 500 m
 Tie Spacing: 500 m
 Line Azimuth: N330.0° E
 Tie Azimuth: N060.0° E

Geodetic Specifications
 Map Projection: UTM
 Datum: NAD83 (CSRS)
 Zone: 18 North
 Central Meridian: 75° West
 False Easting: 500 000
 False Northing: 0

Helicopter Specifications
 Helicopter: AS350 D (C-GBOP)
 Average Speed: 40.9 m/s
 Average Flying Height: 20% drape surface, average 38.3 m

Magnetometer Specifications
 Magnetometer: Geometrics Cesium
 Magnetometer Installation: Slinger
 Sample Rate: 10Hz
 Base Station Magnetometer: GEM GSM-19 Overhauser

Auxiliary Equipment
 Data Acquisition System: RMS DAARC500
 Laser Altimeter: Renishaw ILM-1200-R
 GPS Receiver: Novatel ProPak6S
 GPS Differential Correction: SBAS
 GPS Sample Rate: 1 Hz

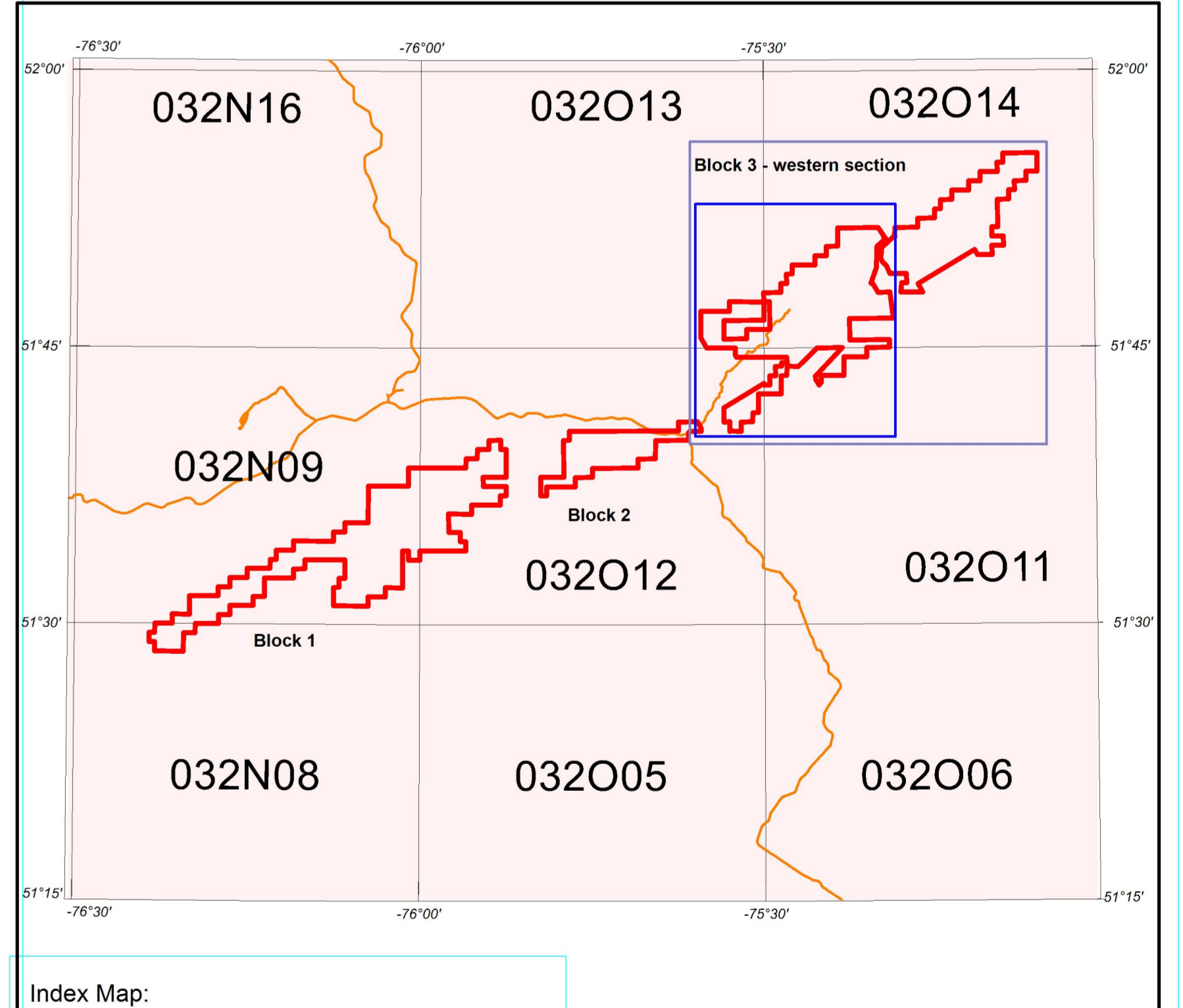
Flight Path
 GPS data recorded during flight were corrected using Canadian Spatial Reference System: "Precise Point Positioning" method.

Note: Magnetic data were corrected for diurnal drift and for altitude using the drape surface as reference. Tie-line leveling and micro-leveling were then applied.

Data Gridding Cell size: 12.5 m

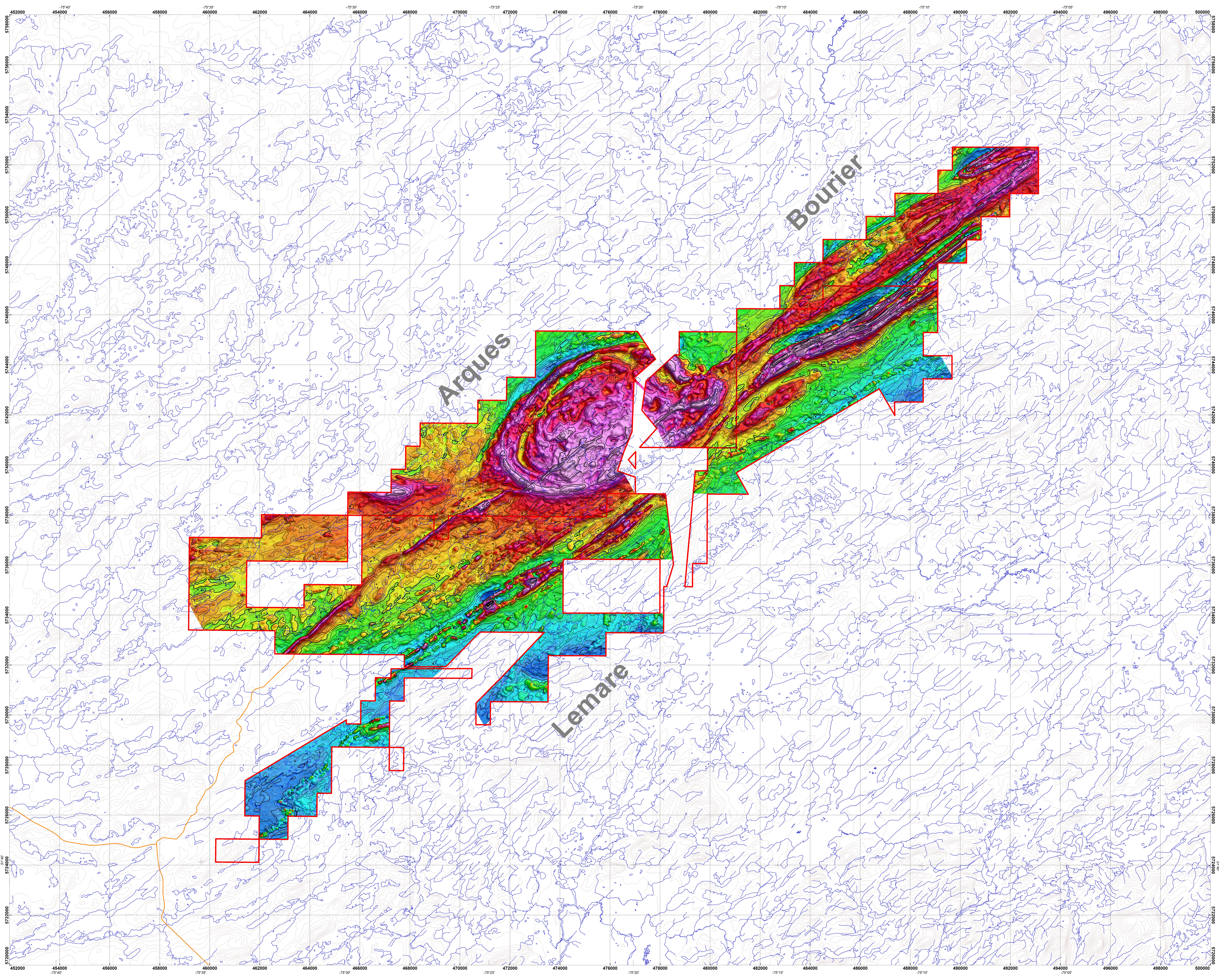
Planimetric Symbols
 Topographic Contours: [Symbol]
 Drainage: [Symbol]
 Claim boundary: [Symbol]
 Road: [Symbol]

Topographic and hydrographic information from Geobase Carvec 1:50K.



Client:	Critical Elements Lithium Corp.	
Type:	Helicopter-borne Magnetic Survey	
Project:	Quebec's Eeyou Istchee James Bay Projects	
Area:	Arques and Lemare properties 032O11, 032O12, 032O13, 032O14	
Title:	Shadow, Inc. 45° Dec. N45°E First Vertical Derivative of the Magnetic Field	
Scale:	500 1000 1500 NAD83/CSRS/UTM zone 18N	

GEO DATA SOLUTIONS GDS Inc.		
Project #: P21004	Date: Mar. 26, 2021	Ref #: FVDC_BLOC3_WEST_25K
Data Processing: M. Moussaoui, P. Eng	Verification: F. Caty, K. Khan, P. Geo	Approval: M. Moussaoui, P. Eng



Specifications and Notes

Survey Line Specifications

- Total Line Kilometers: 5239 km
- Line Spacing: 50 m
- Tie Spacing: 500 m
- Line Azimuth: N330.0° E
- Tie Azimuth: N060.0° E

Geodetic Specifications

- Map Projection: UTM
- Datum: NAD83 (CSRS)
- Zone: 18 North
- Central Meridian: 75° West
- False Easting: 500 000
- False Northing: 0

Helicopter Specifications

- Helicopter: AS350 D (C-GBOP)
- Average Speed: 40.9 m/s
- Average Flying Height: 20% drape surface, average 38.3 m

Magnetometer Specifications

- Magnetometer: Geometrics Cesium
- Magnetometer Installation: Slinger
- Sample Rate: 10Hz
- Base Station Magnetometer: GEM GSM-19 Overhauser

Ancillary Equipment

- Data Acquisition System: RMS DAARCS300
- Laser Altimeter: Riegl RMU-1200-R
- GPS Receiver: Novatel ProPak6
- GPS Differential Correction: SBAS
- GPS Sample Rate: 1 Hz

Magnetic Contours

- 500 nT
- 100 nT
- 20 nT
- 5 nT
- Magnetic low

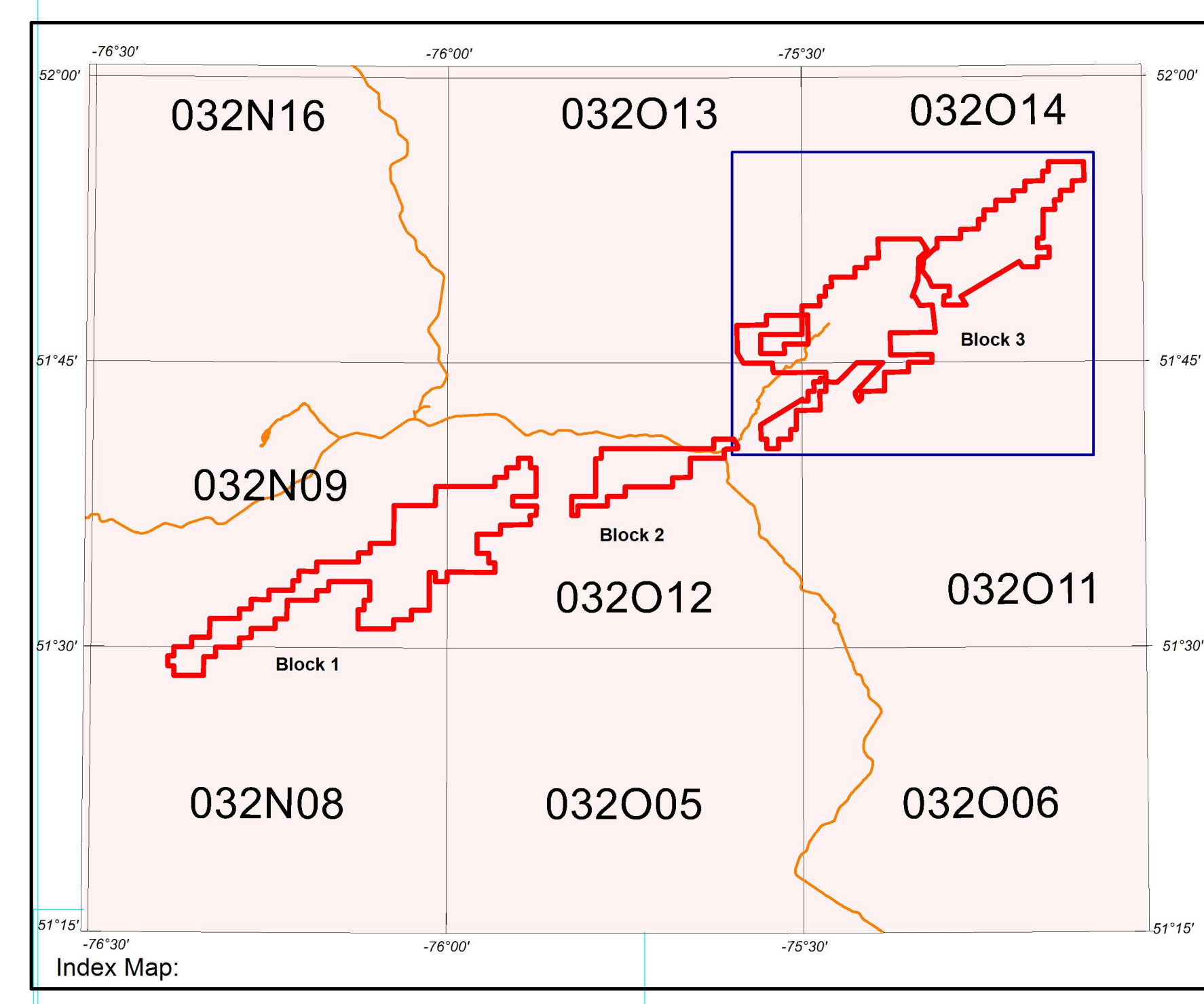
Note: Magnetic data were corrected for diurnal drift and for altitude using the drape surface as reference. Tie-line leveling and micro-leveling were then applied.

Data Gridding Cell size: 12.5 m

Planimetric Symbols

- Topographic Contours
- Drainage
- Claim Boundary
- Road

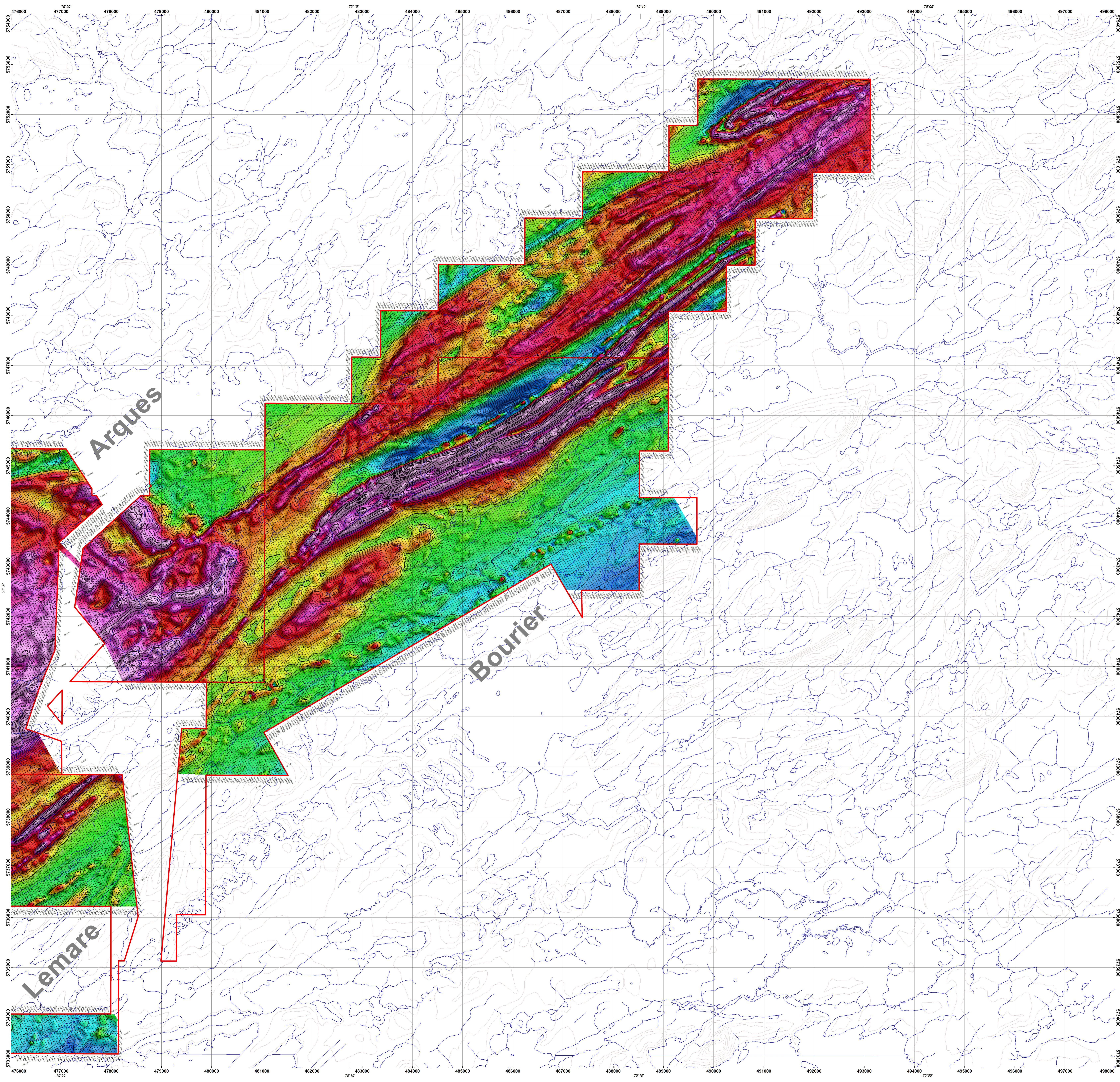
Topographic and hydrographic information from Geobase Canvec 1: 50K.



Client:	Critical Elements Lithium Corp.
Type:	Helicopter-borne Magnetic Survey
Project:	Quebec's Eeyou Istchee James Bay Projects
Area:	Arques, Bourrier and Lemare properties 032O11, 032O12, 032O13, 032O14 Shadow, Inc. 45°, Dec. N45°E
Title:	Residual Magnetic Field Intensity
Scale:	1:5000 metres NAD83(CSRS) / UTM zone 18N

G.D.S. GEO DATA SOLUTIONS GDS Inc.

Project #: P21004	Date: Mar. 26, 2021	Ref #: RMFCE_BLOC3_50K
Data Processing: M. Moussaoui, P. Eng.	Verification: F. Caty, K. Khan, P. Geo	Approval: M. Moussaoui, P. Eng.



Specifications and Notes

Survey Line Specifications
 Total Line Kilometers: 5239 km
 Line Spacing: 50 m
 Tie Spacing: 500 m
 Line Azimuth: N530 O E
 Tie Azimuth: N950 O E

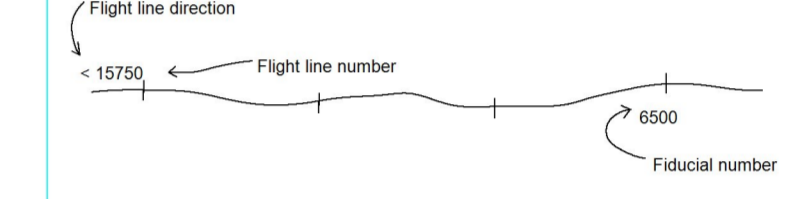
Geodetic Specifications
 Map Projection: UTM
 Datum: NAD83 (CSRS)
 Zone: 18 North
 Central Meridian: 75° West
 False Easting: 500 000
 False Northing: 0

Helicopter Specifications
 Helicopter: AS350 D (C-GBOP)
 Average Speed: 40.9 m/s
 Average Flying Height: 20% drupe surface, average 38.3 m

Magnetometer Specifications
 Magnetometer: Geometrics Casium
 Magnetometer Installation: Slinger
 Sample Rate: 10Hz
 Base Station Magnetometer: GEM GSM-19 Overhauser

Ancillary Equipment
 Data Acquisition System: RMS DAARC500
 Laser Altimeter: Realtime ILM-1200-R
 GPS Receiver: Novatel ProPak6
 GPS Differential Correction: SBAS
 GPS Sample Rate: 1 Hz

Flight Path
 GPS data recorded during flight were corrected using Canadian Spatial Reference System 'Precise Point Positioning' method.



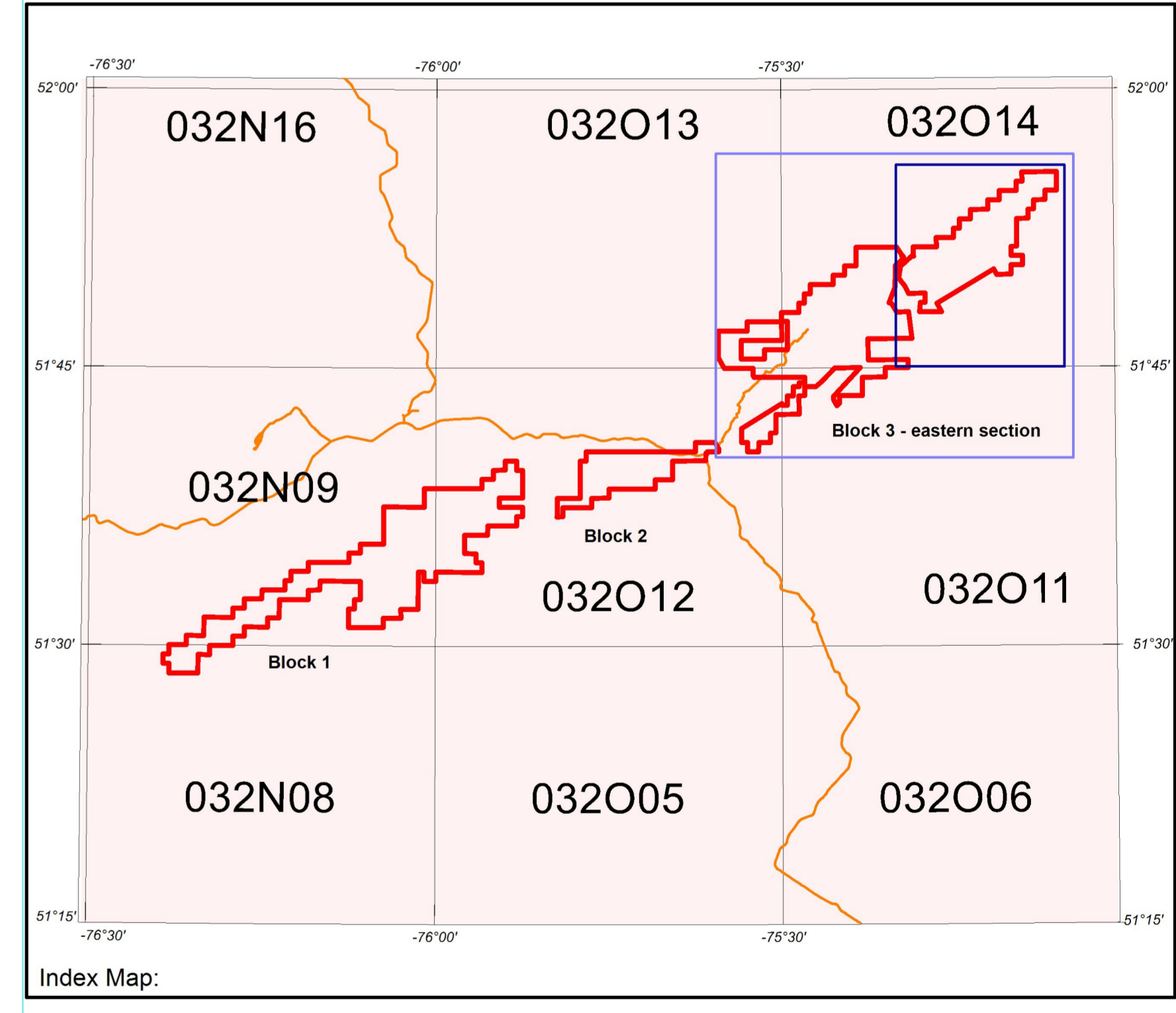
Magnetic Contours
 500 nT
 100 nT
 20 nT
 5 nT
 Magnetic low

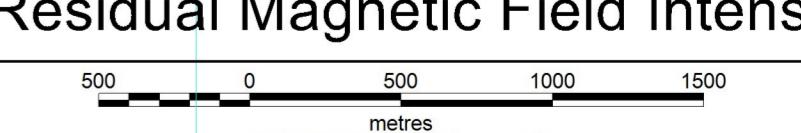

Note:
 Magnetic data were corrected for diurnal drift and for altitude using the drupe surface as reference. Tie-line leveling and micro-leveling were then applied.

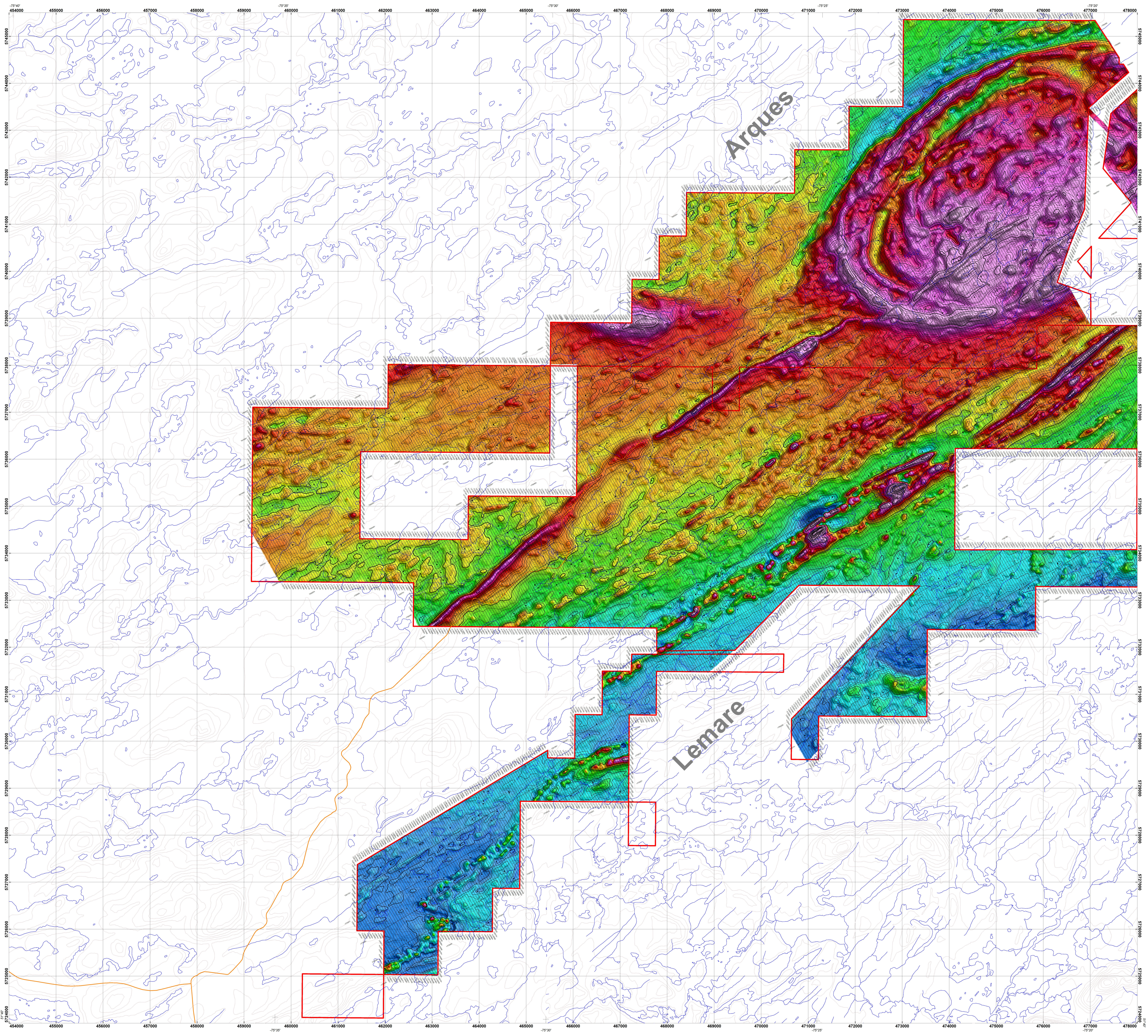
Data Gridding Cell size: 12.5 m

Planimetric Symbols
 Topographic Contours
 Drainage
 Claim Boundary
 Road

Topographic and hydrographic information from Geobase Carvec 1:50K.



Client:	Critical Elements Lithium Corp.	
Type:	Helicopter-borne Magnetic Survey	
Project:	Quebec's Eeyou Istchee James Bay Projects	
Area:	Arques, Bourrier and Lemare properties 032O14, 032O12	
Title:	Residual Magnetic Field Intensity Shadow, Inc. 45°, Dec. N45°E	
Scale:	 NAD83(CSRS) / UTM zone 18N	
 GEO DATA SOLUTIONS GDS Inc.		
Project #:	P21004	Ref #: RMFCE_BLOC3_EAST_25K
Date:	Mar. 26, 2021	
Data Processing:	M. Moussaoui, P. Eng.	Approval: M. Moussaoui, P. Eng.
Verification:	F. Caty, K. Khan, P. Geo	



Specifications and Notes

Survey Line Specifications
 Total Line Kilometers: 5239 km
 Line Spacing: 50 m
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 Line Azimuth: N333.0° E
 Tie Azimuth: N060.0° E

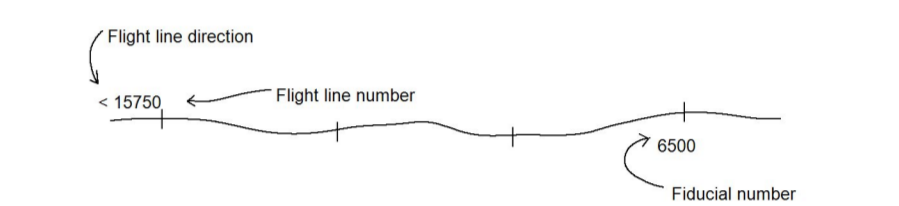
Geodetic Specifications
 Map Projection: UTM
 Datum: NAD83 (CSRS)
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 False Easting: 500 000
 False Northing: 0

Helicopter Specifications
 Helicopter: AS350 D (C-GBOP)
 Average Speed: 40.9 m/s
 Average Flying Height: 20% drupe surface, average 38.3 m

Magnetometer Specifications
 Magnetometer: Geometrics Cesium
 Magnetometer Installation: Stinger
 Sample Rate: 10 Hz
 Base Station Magnetometer: GEM GSM-19 Overhauser

Ancillary Equipment
 Data Acquisition System: RMS DAAARC500
 Laser Altimeter: Renishaw LLM-1200-R
 GPS Receiver: Novatel ProPak6
 GPS Differential Correction: SBAS
 GPS Sample Rate: 1 Hz

Flight Path
 GPS data recorded during flight were corrected using Canadian Spatial Reference System "Precise Point Positioning" method.



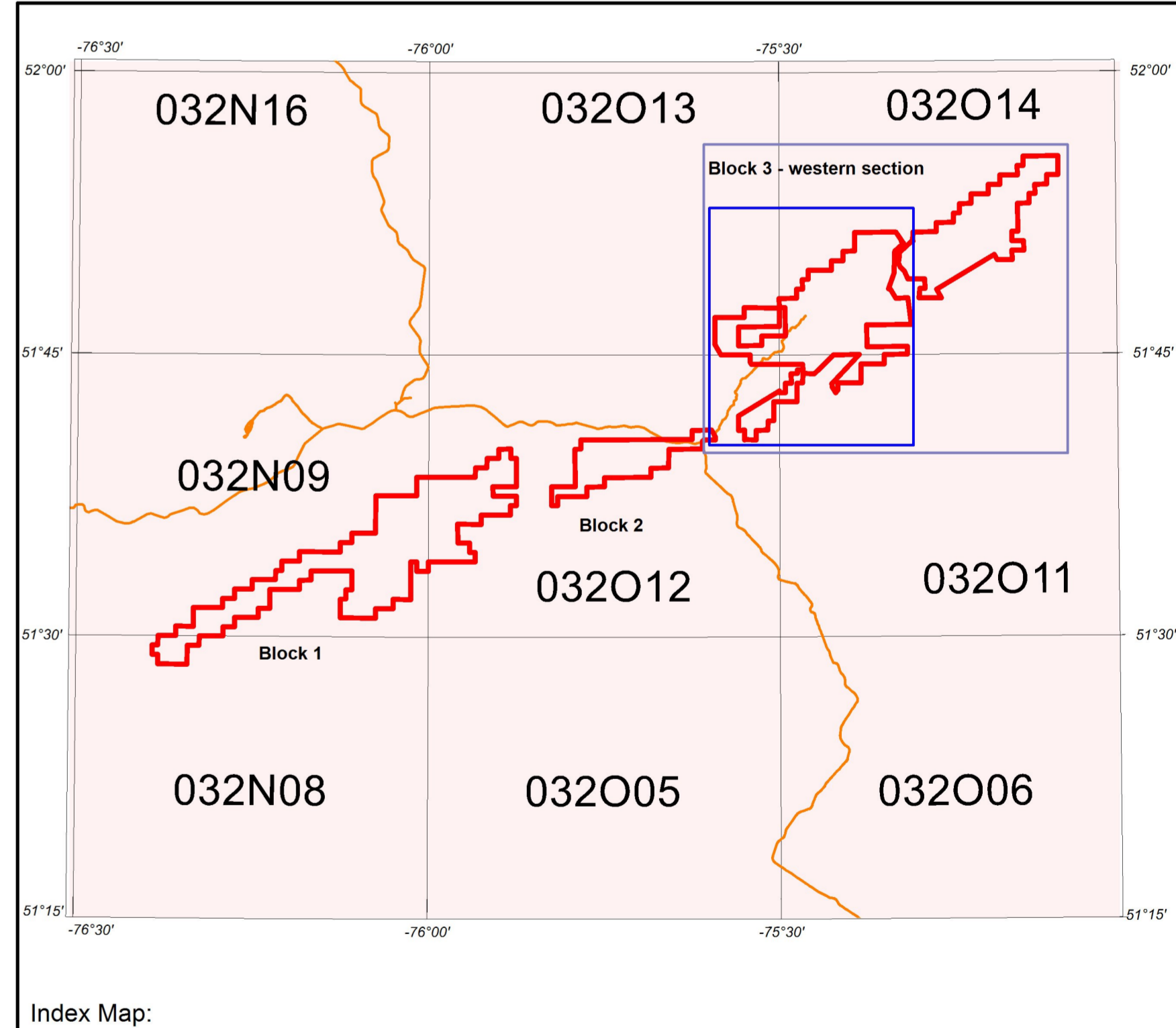
Magnetic Contours
 500 nT
 100 nT
 20 nT
 5 nT
 Magnetic low

Note: Magnetic data were corrected for diurnal drift and for altitude using the drupe surface as reference. Tie-line levelling and micro-levelling were then applied.

Data Gridding Cell size: 12.5 m

Planimetric Symbols
 Topographic Contours
 Drainage
 Claim Boundary
 Road

Topographic and hydrographic information from Geobase Canvec 1: 50K



Index Map:

Client:	Critical Elements Lithium Corp.	
Type:	Helicopter-borne Magnetic Survey	
Project:	Quebec's Eeyou Istchee James Bay Projects	
Area:	Arques and Lemare properties 032O11, 032O12, 032O13, 032O14	
Title:	Residual Magnetic Field Intensity	
Scale:	 NAD83(CSRS) / UTM zone 18N	

GEO DATA SOLUTIONS GDS Inc.		
Project #:	Date:	Ref #:
P21004	Mar. 26, 2021	RMFCE_BLOC3_WEST_25K
Data Processing:	Verification:	Approval:
M. Moussaoui, P. Eng	F. Caty, K. Khan, P. Geo	M. Moussaoui, P. Eng