Underexplored under-cover opportunity, 10 to 20 min drive south from Val-d'Or Camp, in the Pontiac Province

ABG EXPLORATION

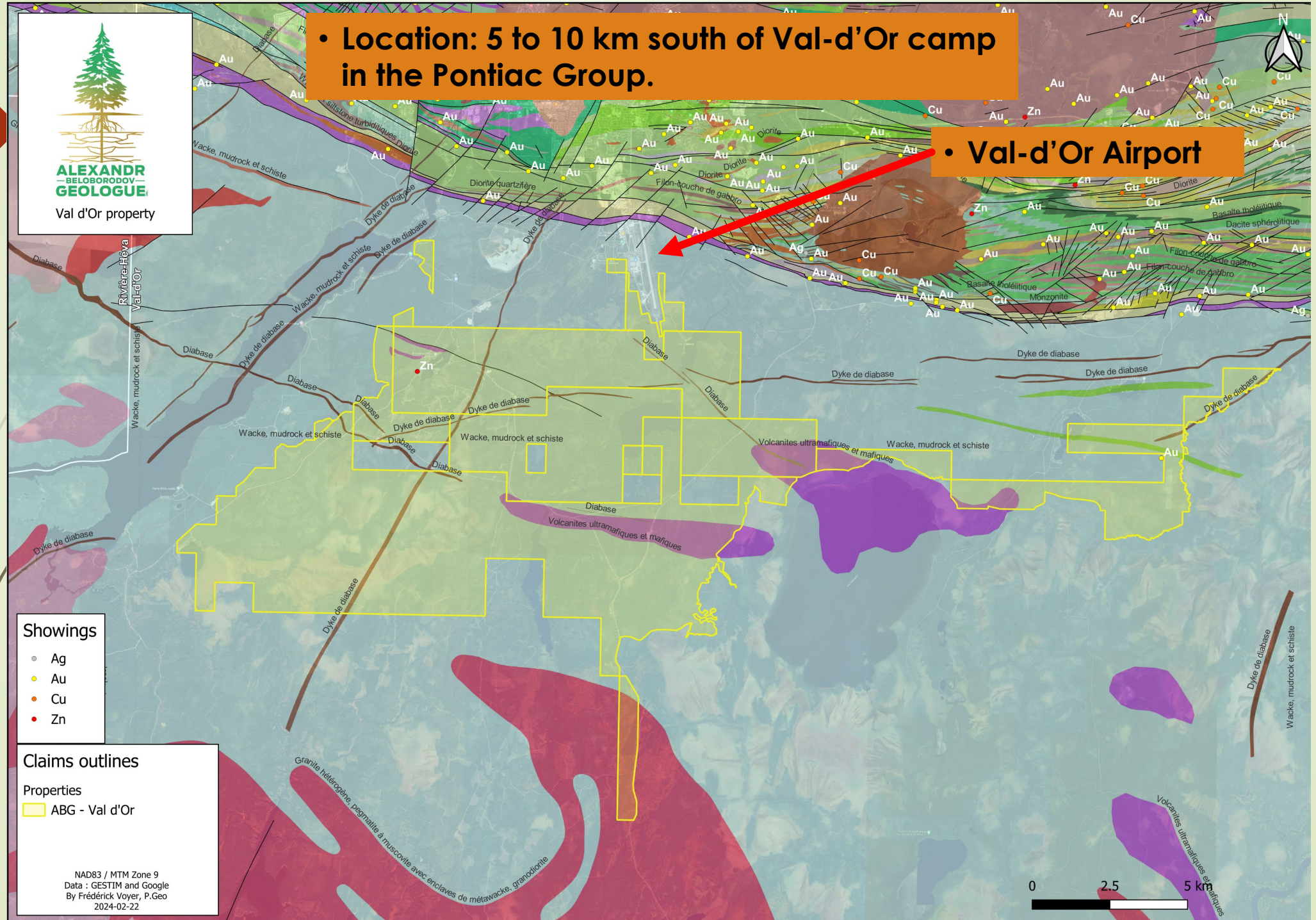
Lac Simard Property

- **The Lac Simard Property** (the "Property") is approximately 5 km south of Val-d'Or, Quebec. The Property abuts the southern edge of Agnico Eagle's Goldex claim block.
- There are 3 operating gold mines within 20 km of the Property including Agnico Eagle's Goldex and Canadian Malartic mines and Eldorado Gold's Lamaque mine.
- All three of which are considered to be orogenic gold deposits and occur along the Larder Lake - Cadillac Fault System.
- The Lac Simard property is located 4.9 km south of the Cadillac/Larder Lake Break fault that hosts many world-class mining camps (>100 Mt) such as Val-d'Or, Malartic, Cadillac, etc. According to the geological map of the Val-d'Or gold camp, the geological context of the Lac Simard property is almost similar to that of a few showings discovered in the region, such as the Lac Ben, Gouldie Zone, and Bravo Zone in the Malartic area.
- The most notable feature that is common to this type of mineralized showings is their location in sedimentary rocks of the Pontiac Group, and their proximity to crustal-scale faults, shear zones, and tension fractures that act as conduits in the upwelling and channeling of mineralizing fluids.

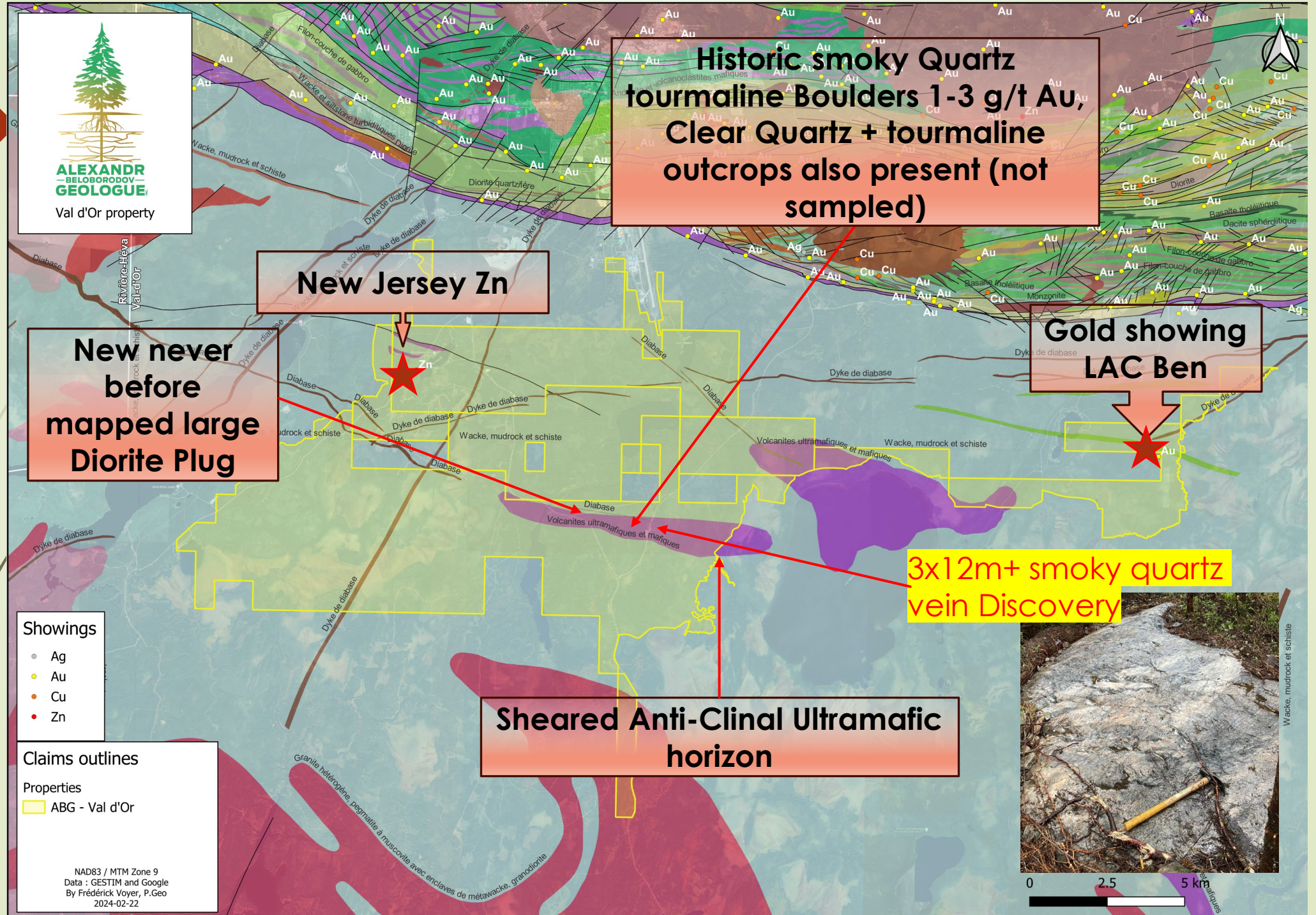
Advantages of the Property:

- **Location: 5 to 10 km south of Val-d'Or camp in the Pontiac Group.**
- **Gold 2.98g/t Au and Zn showing south of Cadillac Fault.**
- **Presence of mafic, ultramafic and intrusive plugs, quartz with tourmaline with historic 1-3 g/t Au**
- **Geological environment: presence of ultramafic rocks (Sillon LaMotte – Vassan, known for its nickel mineralisation at Marbridge), outcropping because of a sheared anticlinal mega fold (Imreh 1984.)**
- **Biscotasing diabase dike crossing the entire property in the NE direction.**
- **Drilled showing New Jersey : Values: 1,70% Zn, 0,25% Cu, 0,38% Ni**
- **Drilled showing Lac Ben: Values: 1 to 2,78 g/t Au.**
- **A lot of overburden explains the lack of exploration south of Val-d'Or**
- **Under cover exploration techniques have been used by us :**
- **600 soil samples + 600 biogeochem samples LAB PENDING**
- **MAG Geophycal and lineament compilation has been completed by Abitibi Geophysics.**

Underexplored Pontiac province just 5 km south of world-renowned Val-d'Or area


• Location: 5 to 10 km south of Val-d'Or camp in the Pontiac Group.
• Val-d'Or Airport
ALEXANDR BELOBORODOV GEOLOGUE
Val d'Or property
Showings
Ag
Au
Cu
Zn
Claims outlines
Properties
ABG - Val d'Or
NAD83 / MTM Zone 9
Data : GESTIM and Google
By Frédérick Voyer, P.Geo
2024-02-22
0
2.5
5 km
N
Wacke, mudrock et schiste
Diabase
Dyke de diabase
Volcanites ultramafiques et mafiques
Granite hétérogène, pegmatite à muscovite avec enclaves de métawacke, granodiorite
Diorite
Filon-couche de gabbro
Basalte tholéiitique
Dacite sphérolitique
Monzonite
Rivière Héva
Val-d'Or

Malartic
Val-d'Or
N
5
10 km


ALEXANDR BELOBORODOV GEOLOGUE
Val d'Or property
Historic smoky Quartz tourmaline Boulders 1-3 g/t Au, Clear Quartz + tourmaline outcrops also present (not sampled)
New Jersey Zn
New never before mapped large Diorite Plug
Gold showing LAC Ben
3x12m+ smoky quartz vein Discovery
Sheared Anti-Clinal Ultramafic horizon
Showings
Ag
Au
Cu
Zn
Claims outlines
Properties
ABG - Val d'Or
NAD83 / MTM Zone 9
Data : GESTIM and Google
By Frédérick Voyer, P.Geo
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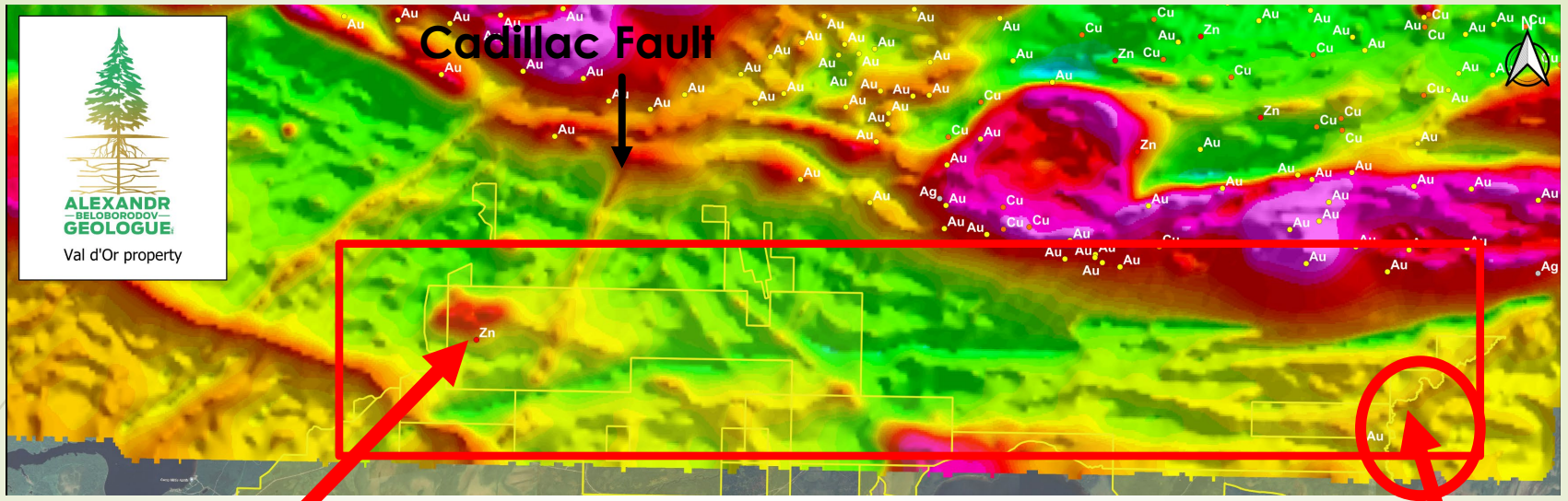
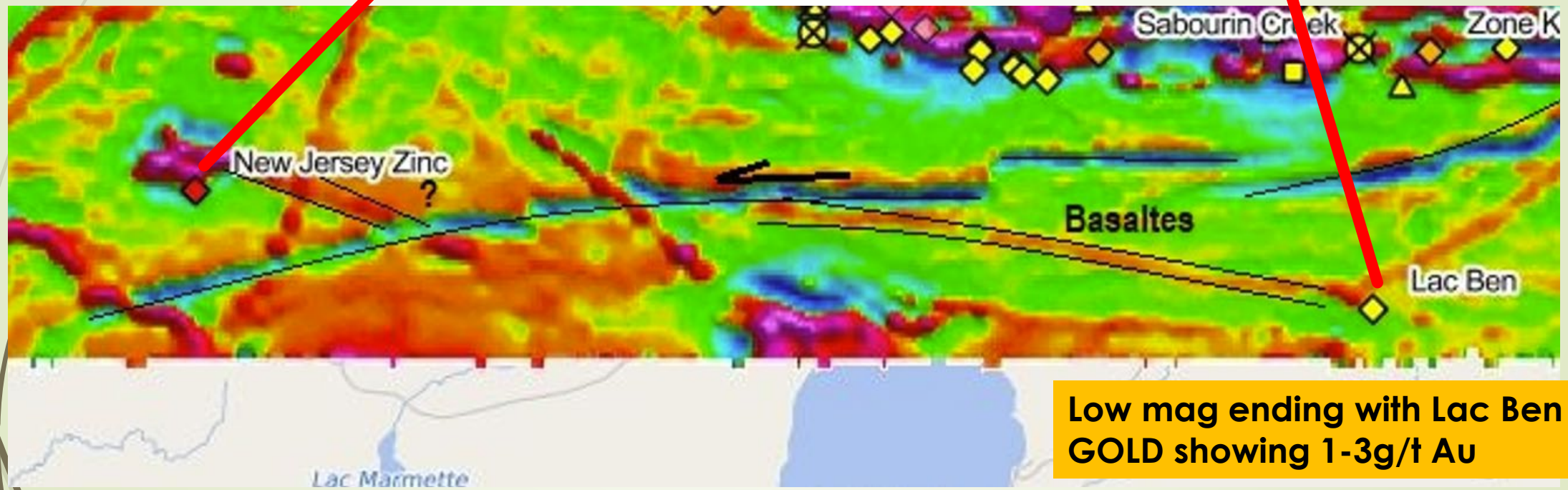
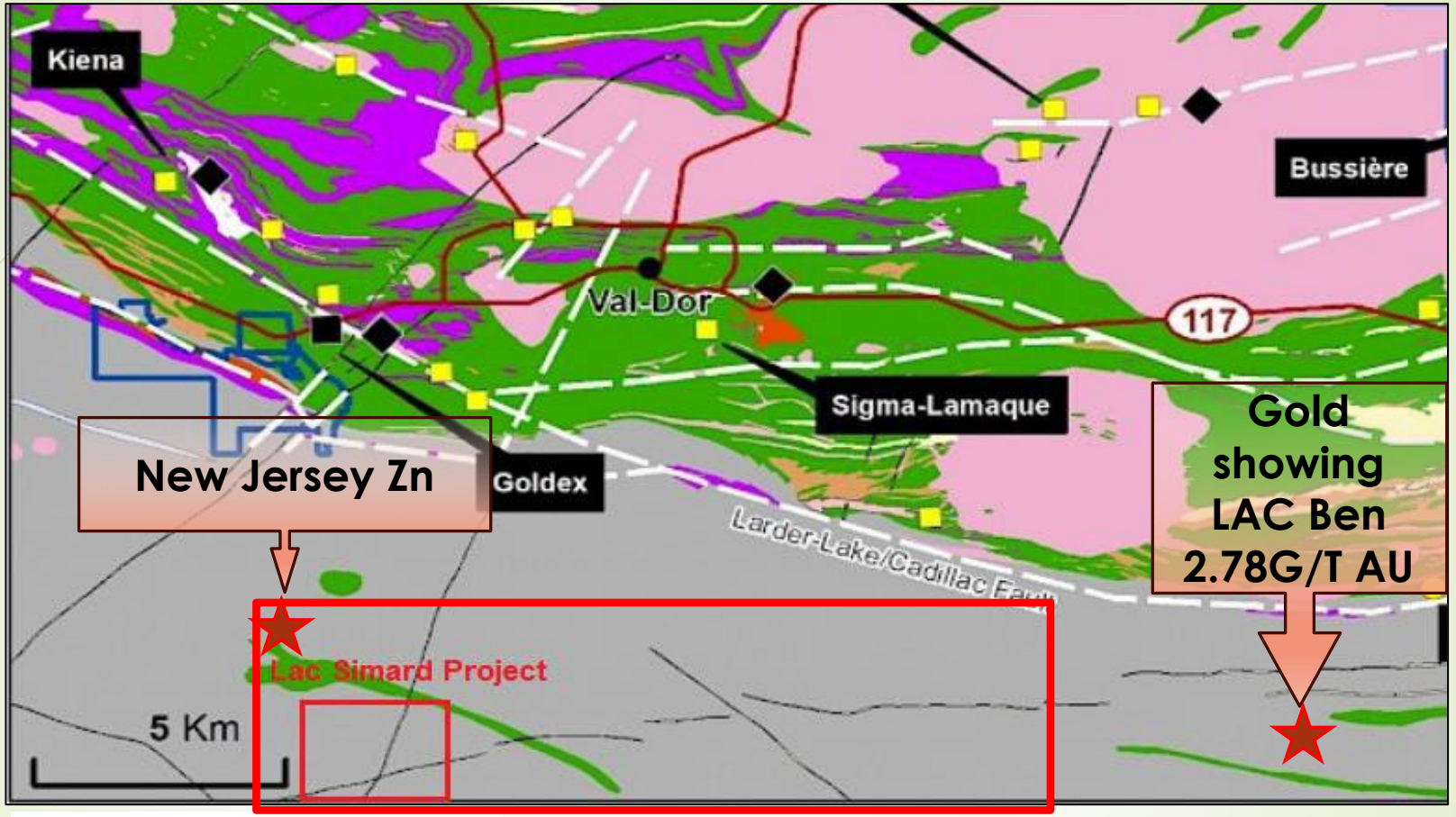
Wacke, mudrock et schiste
Volcanites ultramafiques et mafiques
Dyke de diabase
Diabase
Diorite quartzifère
Granite hétérogène, pegmatite à muscovite avec enclaves de métawacke, granodiorite
0
2.5
5 km



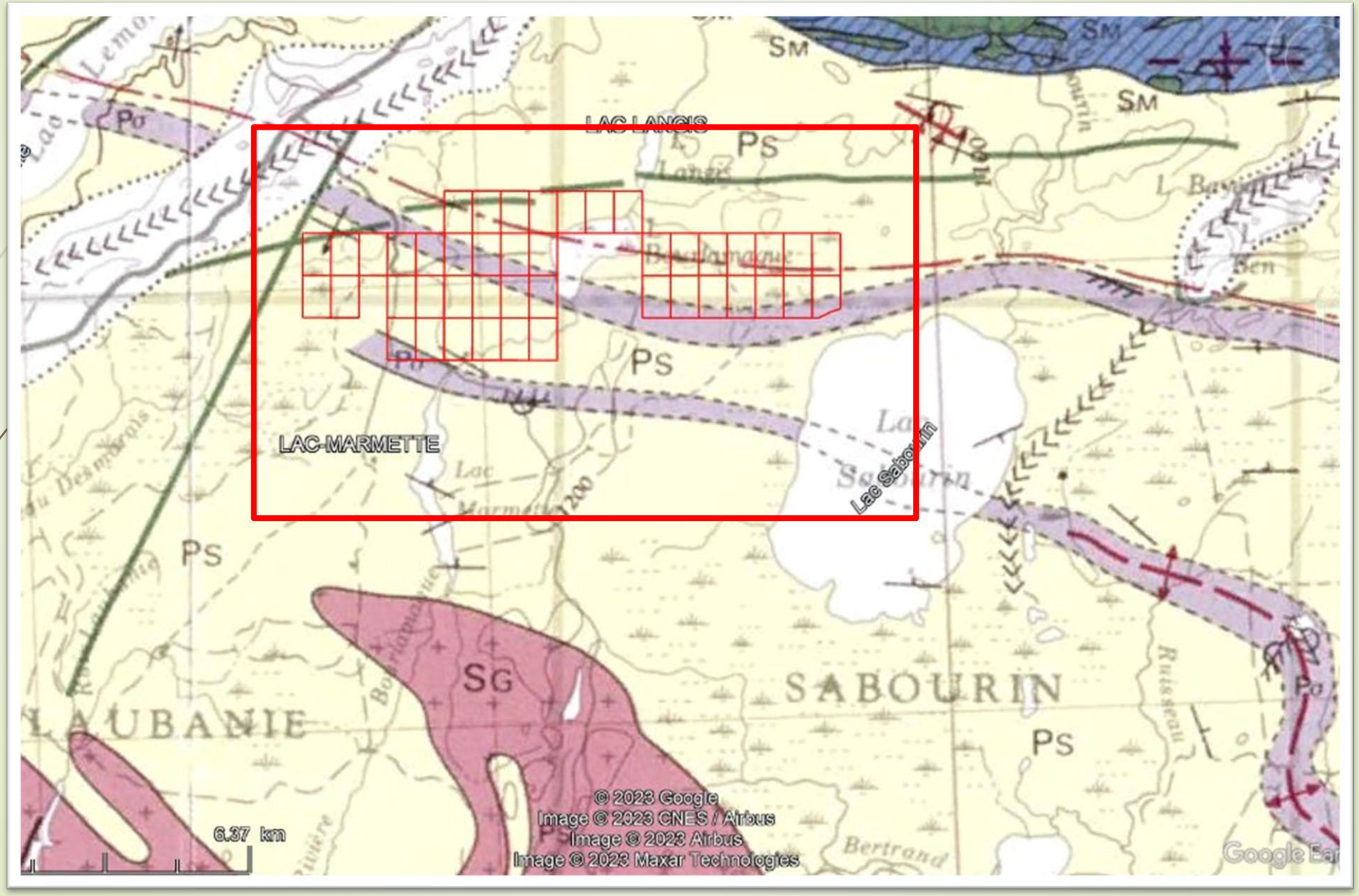


Low mag ending with Lac Ben
GOLD showing 1-3g/t Au

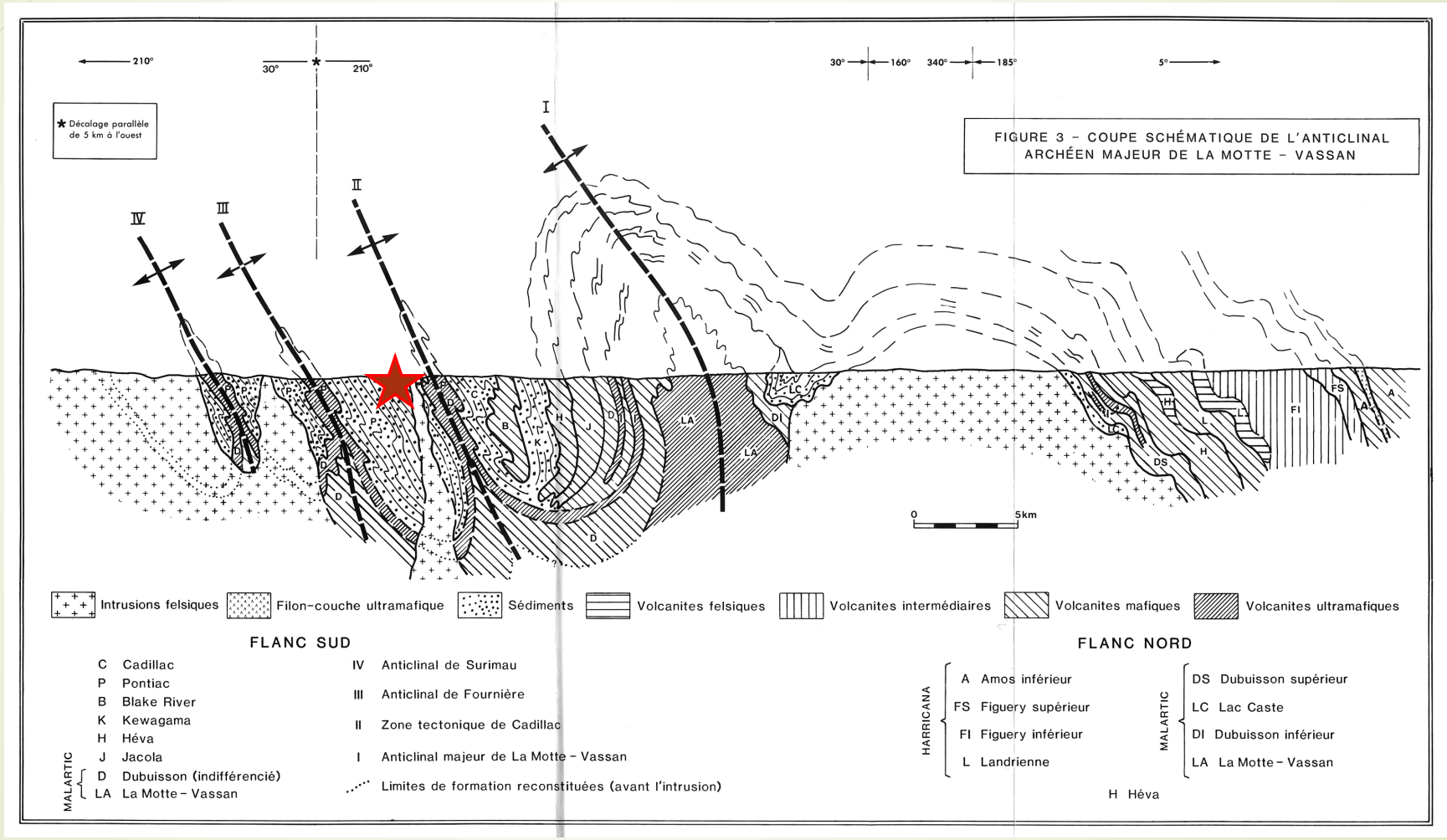


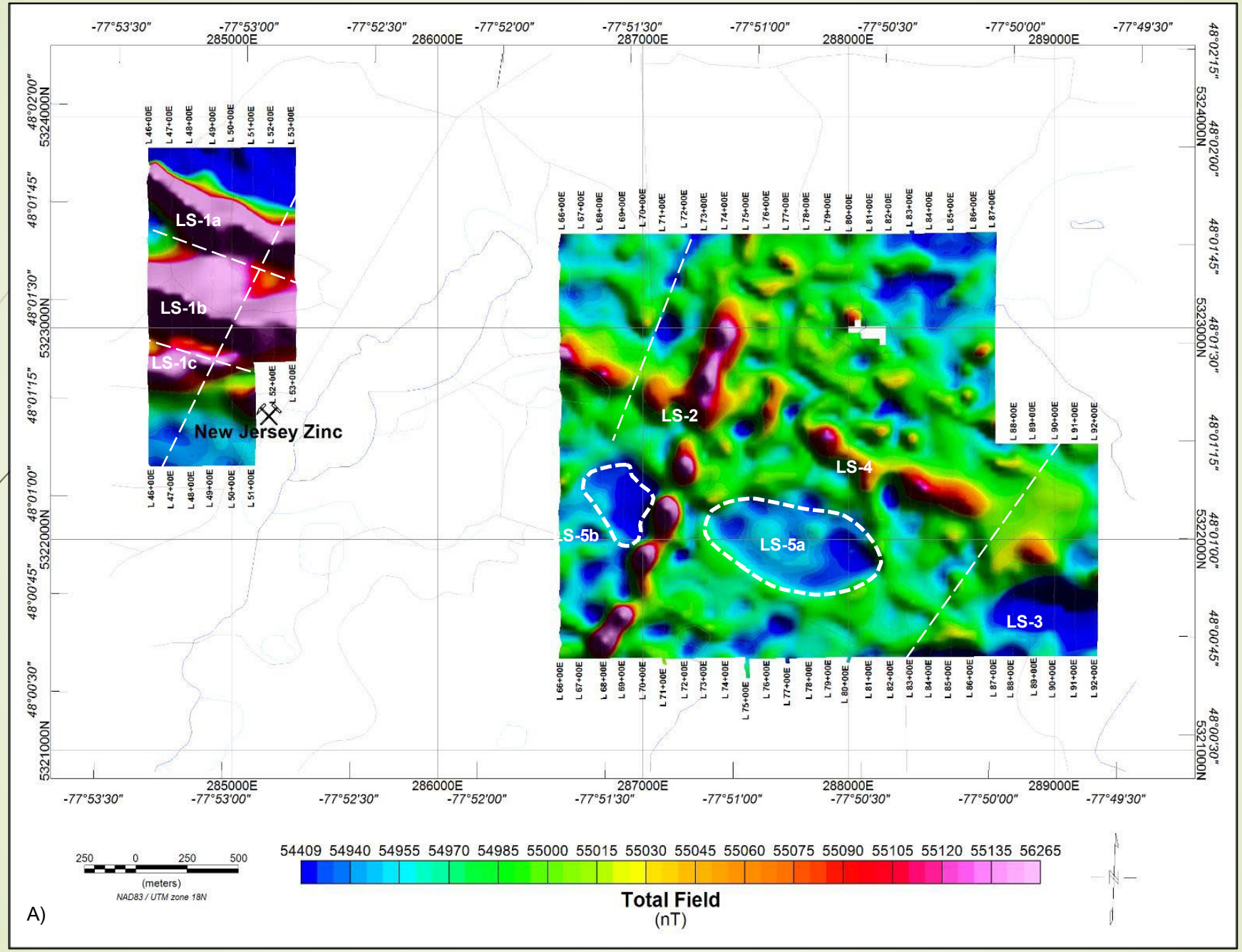
- Zn and Gold showing south of Cadillac Fault

- **Presence of mafic, ultramafic and intrusive plugs, quartz with tourmaline. Historic assay of 1-3 g/t Au**

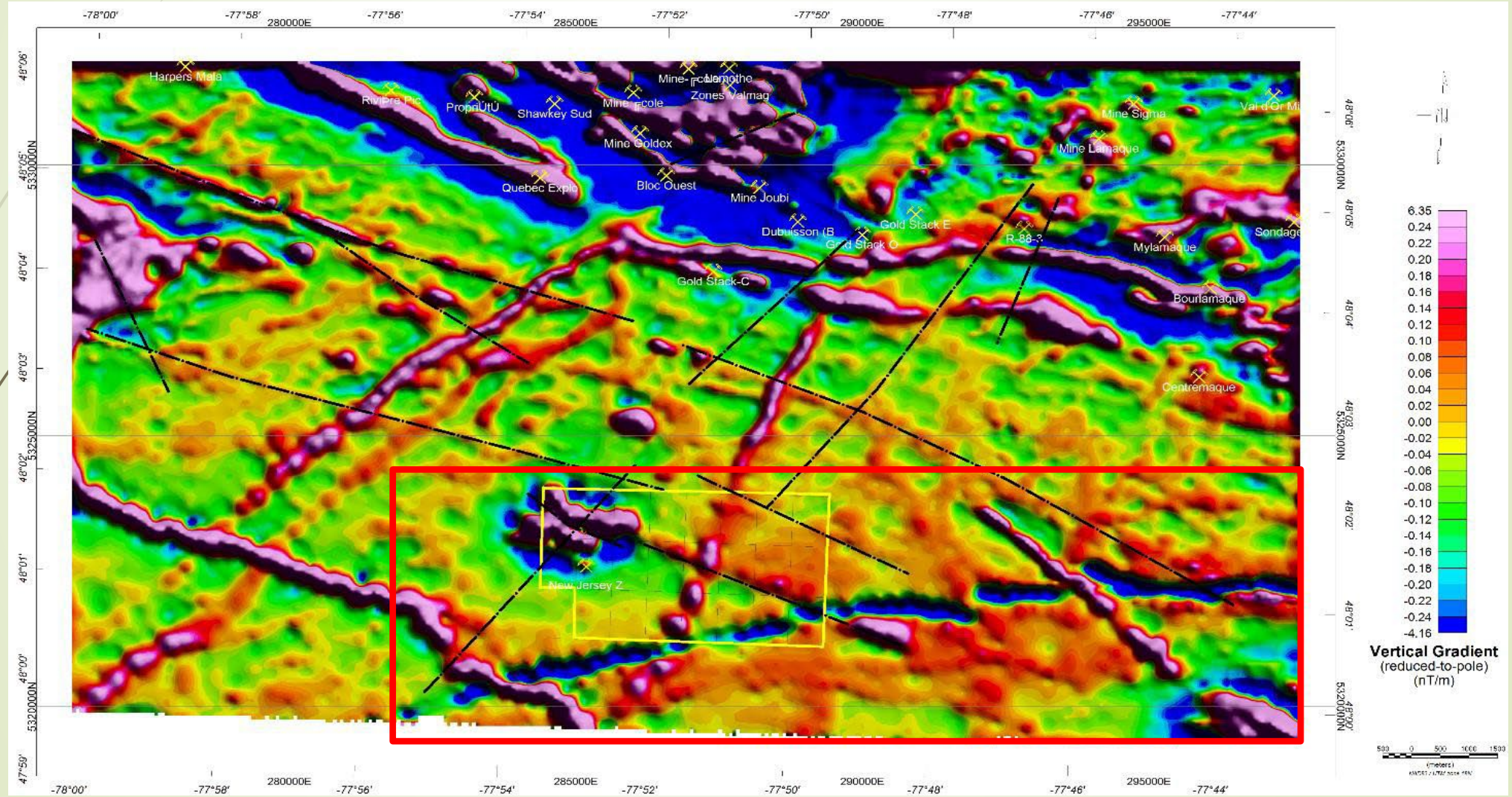


Geological environment: presence of ultramafic rocks (Sillon LaMotte – Vassan, known for its nickel mineralisation Marbridge), outcropping because of a sheared anticlinal mega fold (Imreh 1984.)




LS-1a
LS-1b
LS-1c
New Jersey Zinc
LS-2
LS-4
LS-5b
LS-5a
LS-3
-77°53'30"
-77°53'00"
-77°52'30"
-77°52'00"
-77°51'30"
-77°51'00"
-77°50'30"
-77°50'00"
-77°49'30"
285000E
286000E
287000E
288000E
289000E
48°02'00"
48°01'45"
48°01'30"
48°01'15"
48°01'00"
48°00'45"
48°00'30"
5324000N
5323000N
5322000N
5321000N
250 0 250 500
(meters)
NAD83 / UTM zone 18N
54409 54940 54955 54970 54985 55000 55015 55030 55045 55060 55075 55090 55105 55120 55135 56265
Total Field
(nT)
A)

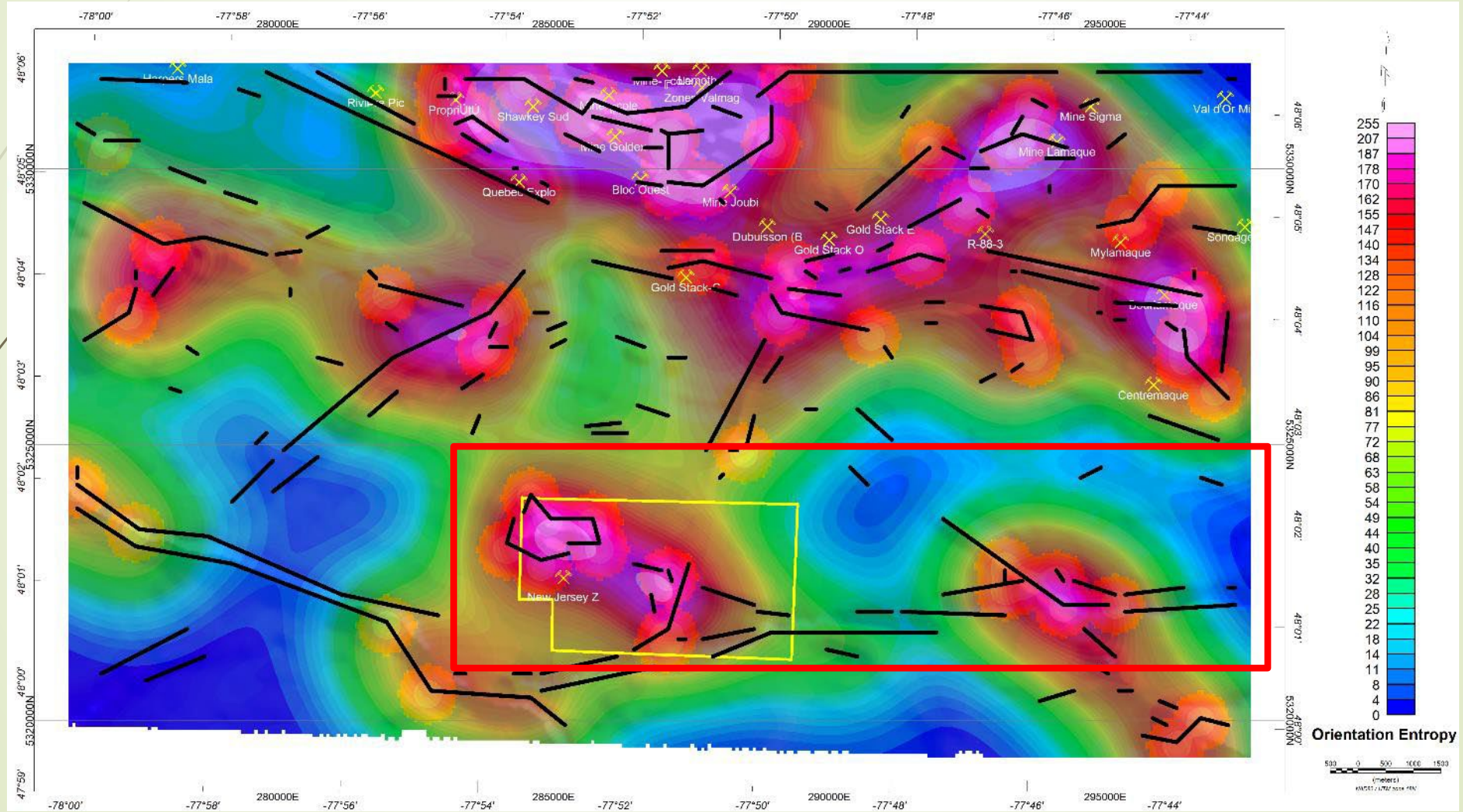
Prospective low mag going West-East



Northern part of the 600 B-Horizon soils and 600 biogeochem sampling 2023 campaign

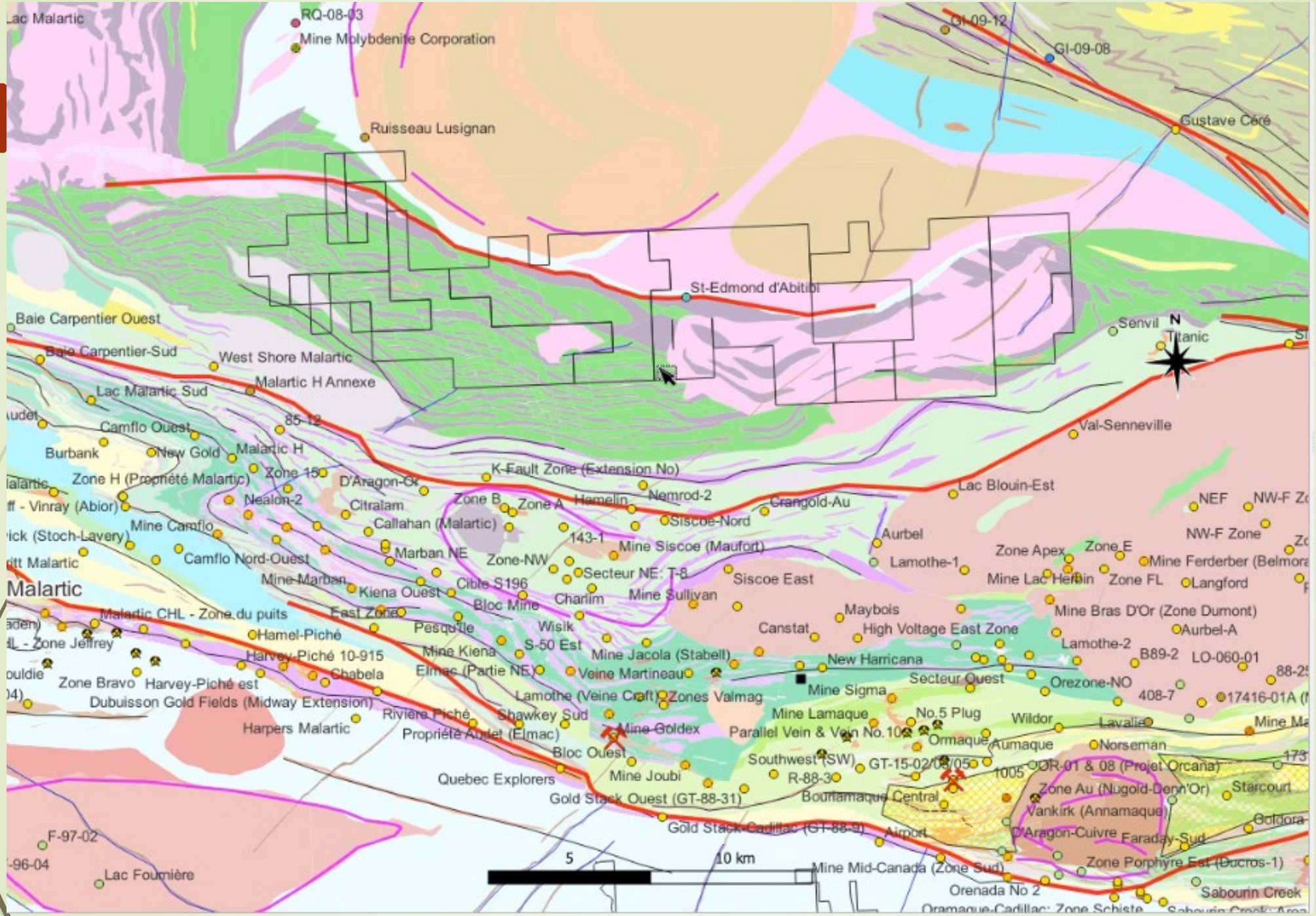
The Need to explore with new technologies

Predictive targeting heat map from Abitibi Geophysics

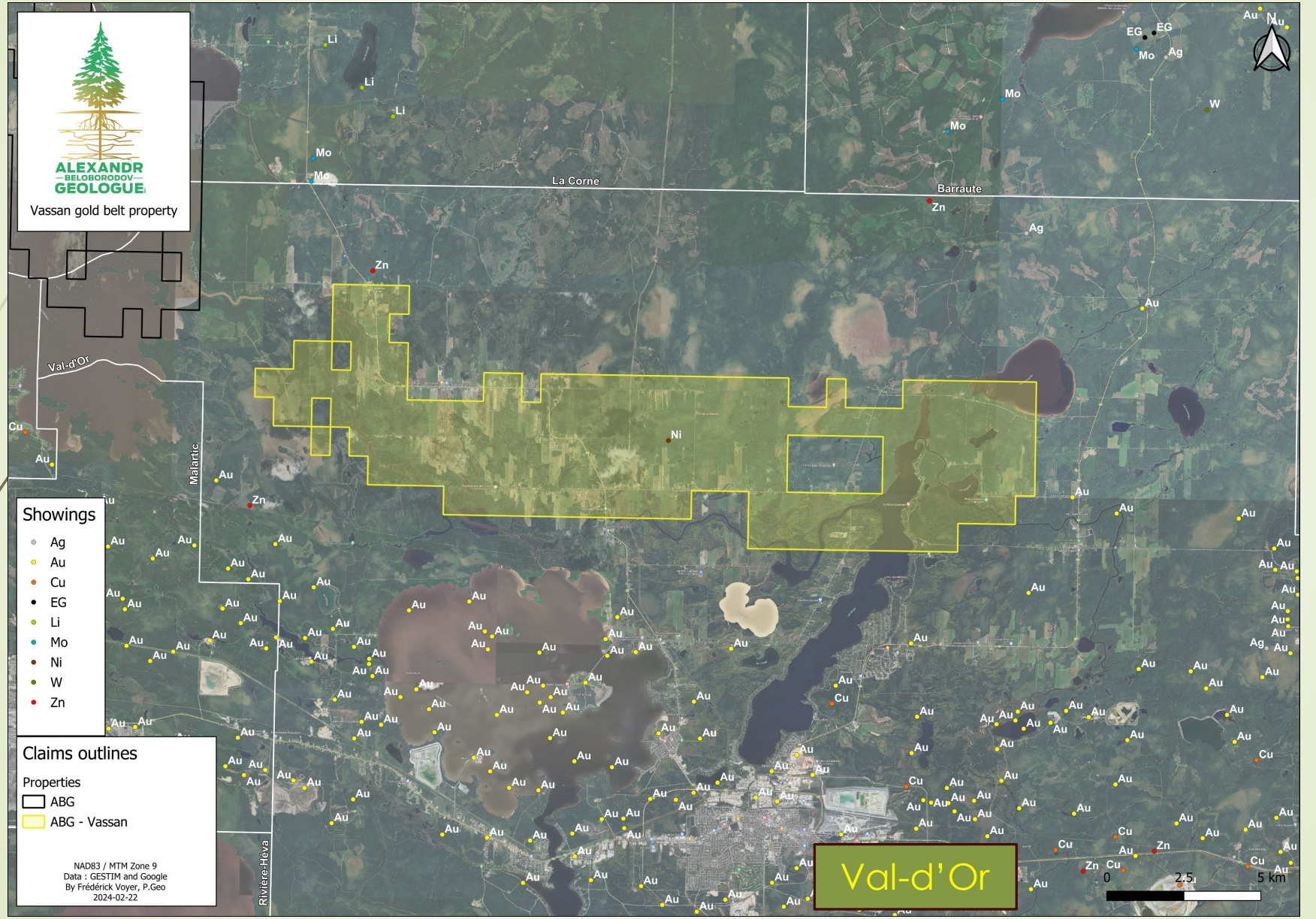


Vassan Belt Property, Au, Ni-Cu-Co, Li

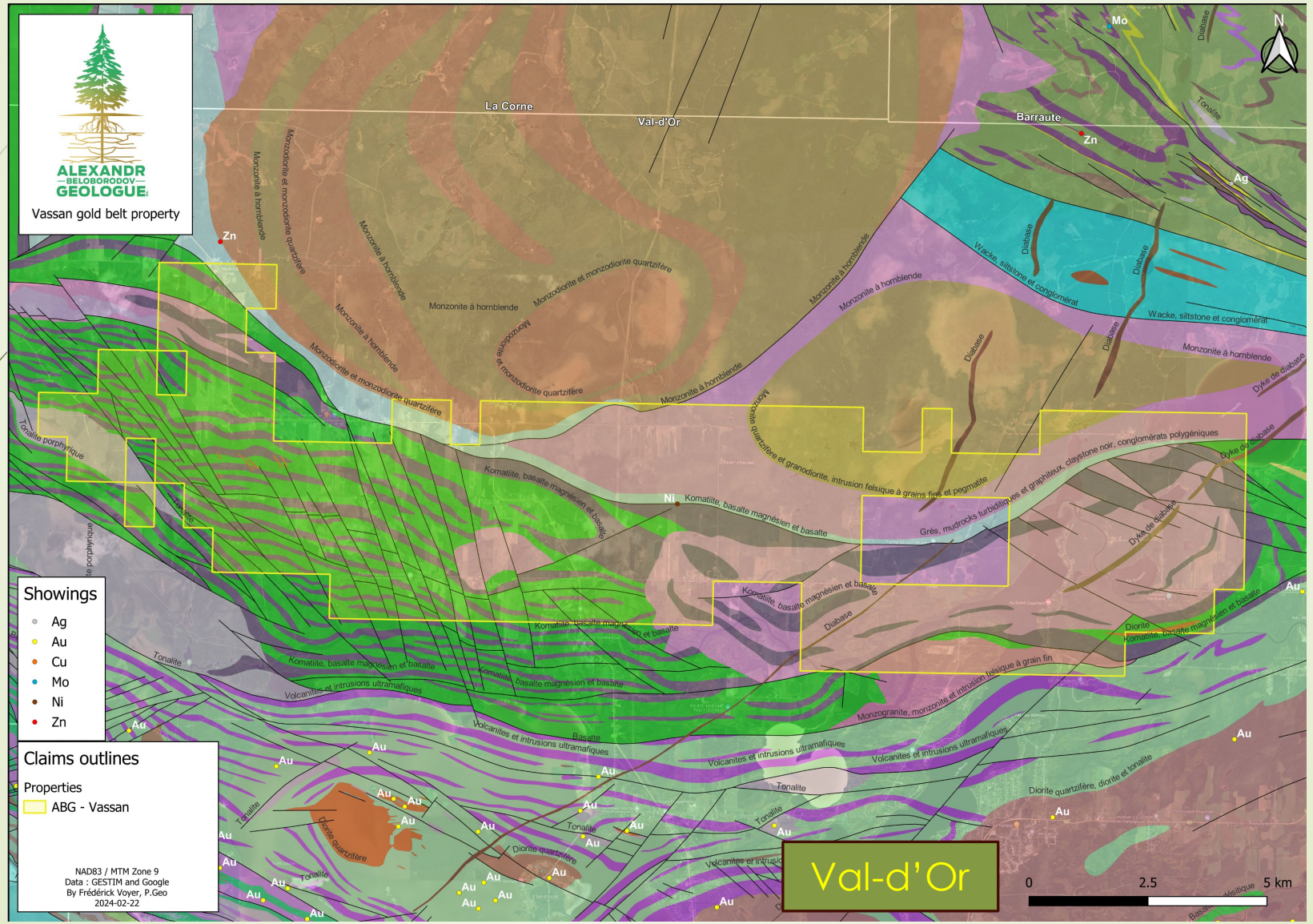
- 5km North of Val-d'Or
- LaMotte – Vassan Ultramafic (Au, Ni-Cu-Co) – Basaltic Belt
- At the contact with the Lac Malartic Fault zone
- South of the famous LaCorne (Li) Batholith.


Lac Malartic
RQ-08-03
Mine Molybdenite Corporation
GI-09-12
GI-09-08
Gustave Cété
Ruisseau Lusignan
St-Edmond d'Abitibi
Baie Carpentier Ouest
Baie Carpentier-Sud
West Shore Malartic
Malartic H Annexe
Lac Malartic Sud
Camflo Ouest
Burbank
New Gold
Malartic H
Zone H (Propriété Malartic)
Zone 15
D'Aragon-Or
85-12
Nealon-2
Citralam
Zone B
Zone A
Hamelin
K-Fault Zone (Extension No)
Nemrod-2
Crangold-Au
Siscoe-Nord
Callahan (Malartic)
143-1
Mine Siscoe (Maufort)
Mine Camflo
Camflo Nord-Ouest
Marban NE
Zone-NW
Secteur NE: T-8
Siscoe East
Mine Marban
Kiena Ouest
Cible S196
Bloc Mine
Charlim
Mine Sullivan
Malartic
Malartic CHL - Zone du puits
East Zone
Pesqu'ile
Wisik
Hamel-Piché
S-50 Est
Harvey-Piché 10-915
Mine Kiena
Elmac (Partie NE)
Mine Jacola (Stabell)
Veine Martineau
Zone Bravo
Harvey-Piché est
Chabela
Dubuisson Gold Fields (Midway Extension)
Lamothe (Veine Craft)
Zones Valmag
Rivière Piché
Shawkey Sud
Harpers Malartic
Propriété Arlet (Elmac)
Mine Goldex
Bloc Ouest
Quebec Explorers
Mine Joubi
Gold Stack Ouest (GT-88-31)
Gold Stack Cadillac (GT-88-3)
Airport
F-97-02
Lac Fournière
5
10 km
Mine Mid-Canada (Zone Sud)
Orenada No 2
Oramaque-Cadillac: Zone Schiste
Sabourin Creek
Senvil
Titanic
N
Val-Senneville
Lac Blouin-Est
Aurbel
Lamothe-1
Zone Apex
Zone E
NEF
NW-F Zone
Mine Ferderber (Belmora
Mine Lac Herbin
Zone FL
Langford
Maybois
Canstat
High Voltage East Zone
Mine Bras D'Or (Zone Dumont)
Aurbel-A
Lamothe-2
B89-2
LO-060-01
New Harricana
Secteur Ouest
Orezone-NO
408-7
Mine Sigma
Mine Lamaque
No.5 Plug
Wildor
Lavalie
Parallel Vein & Vein No.10
Ormaque
Aumaque
Norseman
Southwest (SW)
GT-15-02/08/05
OR-01 & 08 (Projet Orcana)
1005
R-88-3
Zone Au (Nugold-Denn'Or)
Starcourt
Boulamaque Central
Vankirk (Annamaque)
Goldora
D'Aragon-Cuivre
Faraday-Sud
Zone Porphyre Est (Ducros-1)

Vassan Belt Property, Au, Ni-Cu-Co, Li



Vassan Belt Property, Au, Ni-Cu-Co, Li



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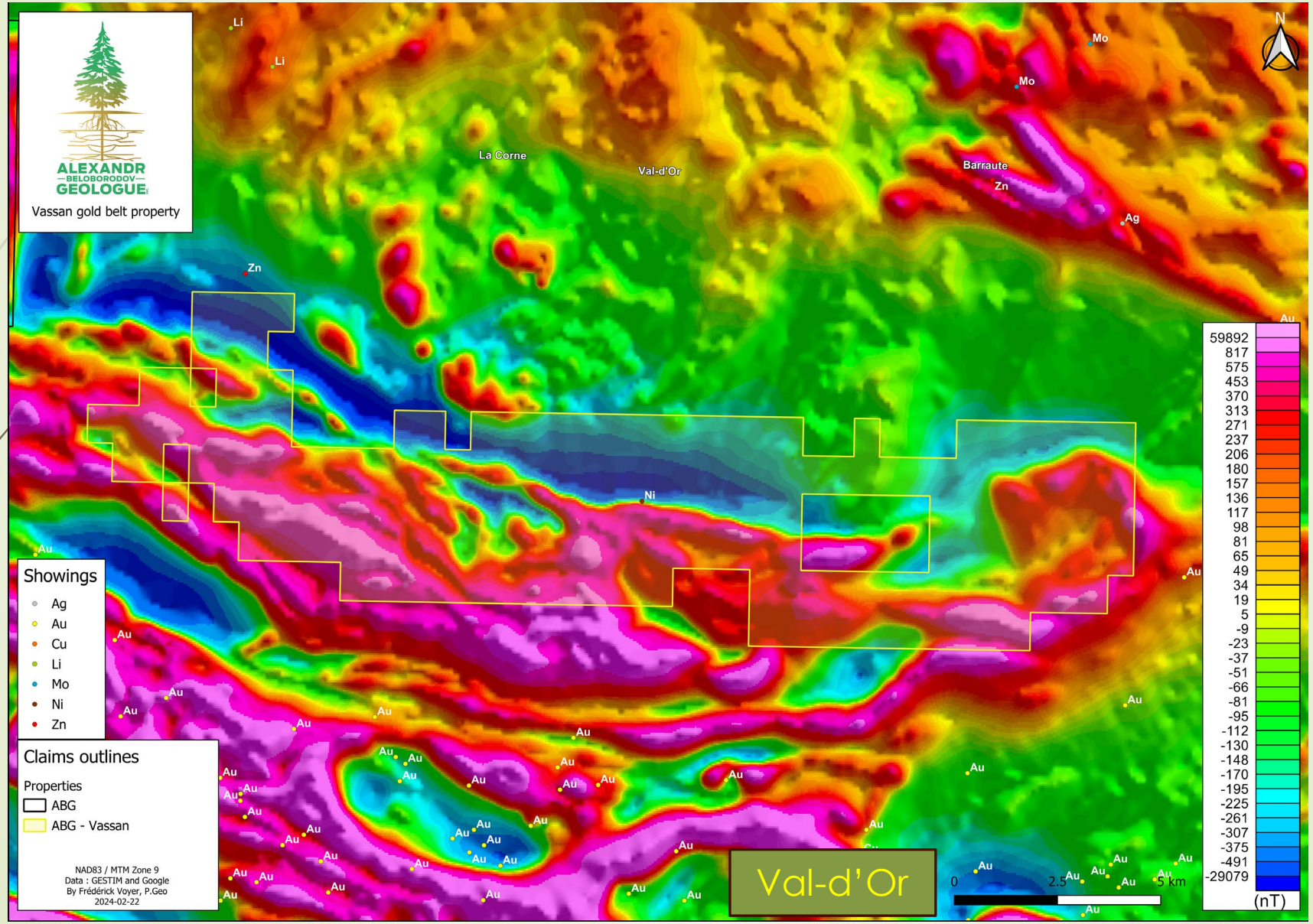
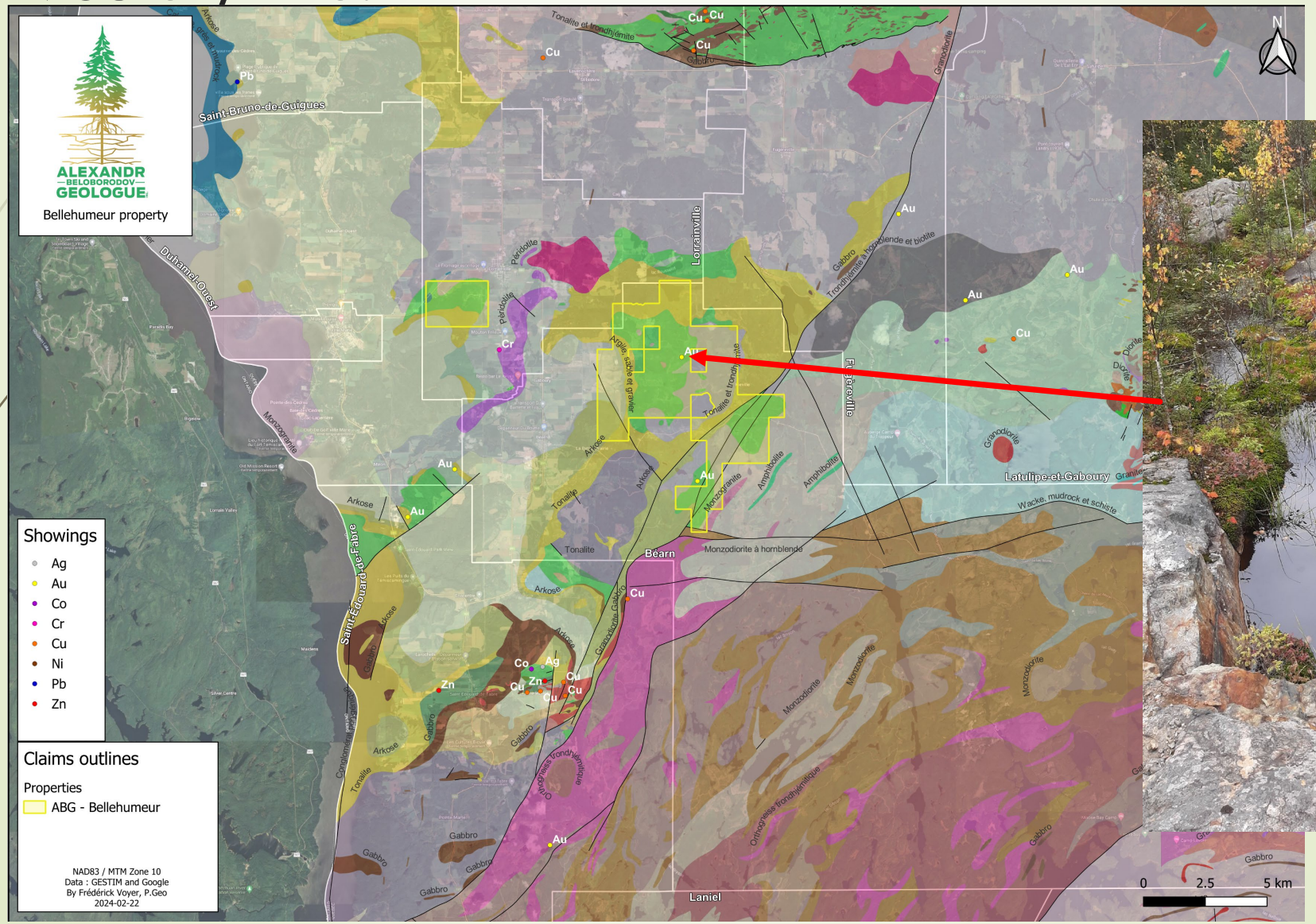


Bellehumeur Coarse Gold Showing (ancient small scale gold mine in 1926), mined ore up to 50 to 708 oz/t

- Located in Temiscamingue, 5km north of town of Bearn.
- Very easily accessed
- 2 old shafts present and 1 ramp into the central hill.
- 2 to 5 feet main quartz vein zone with historic Bonanza grade visible gold.

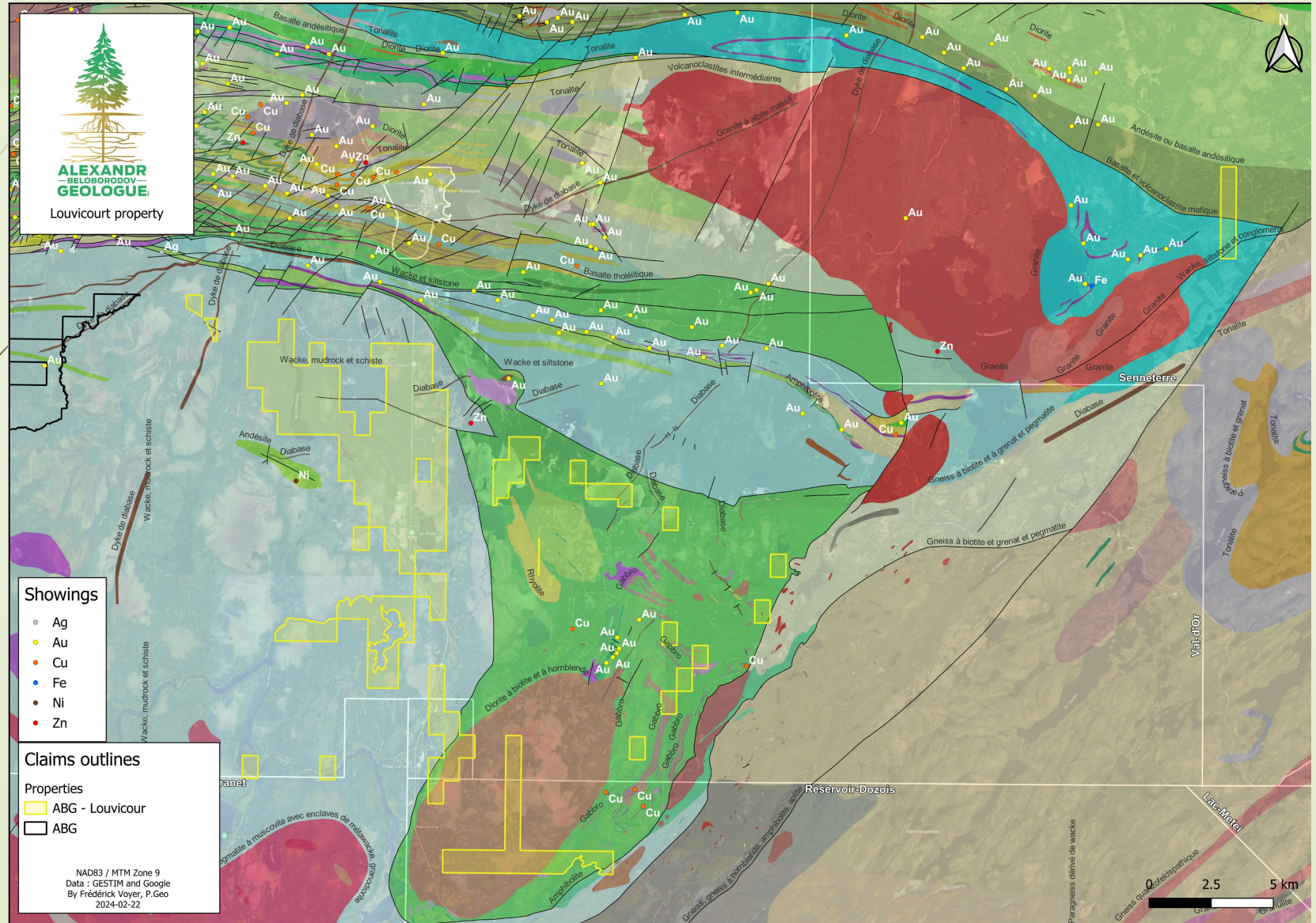
Bellehumeur Coarse Gold Showing (ancient small scale gold mine in 1926), mined ore up to 50 to 708 oz/t Au.

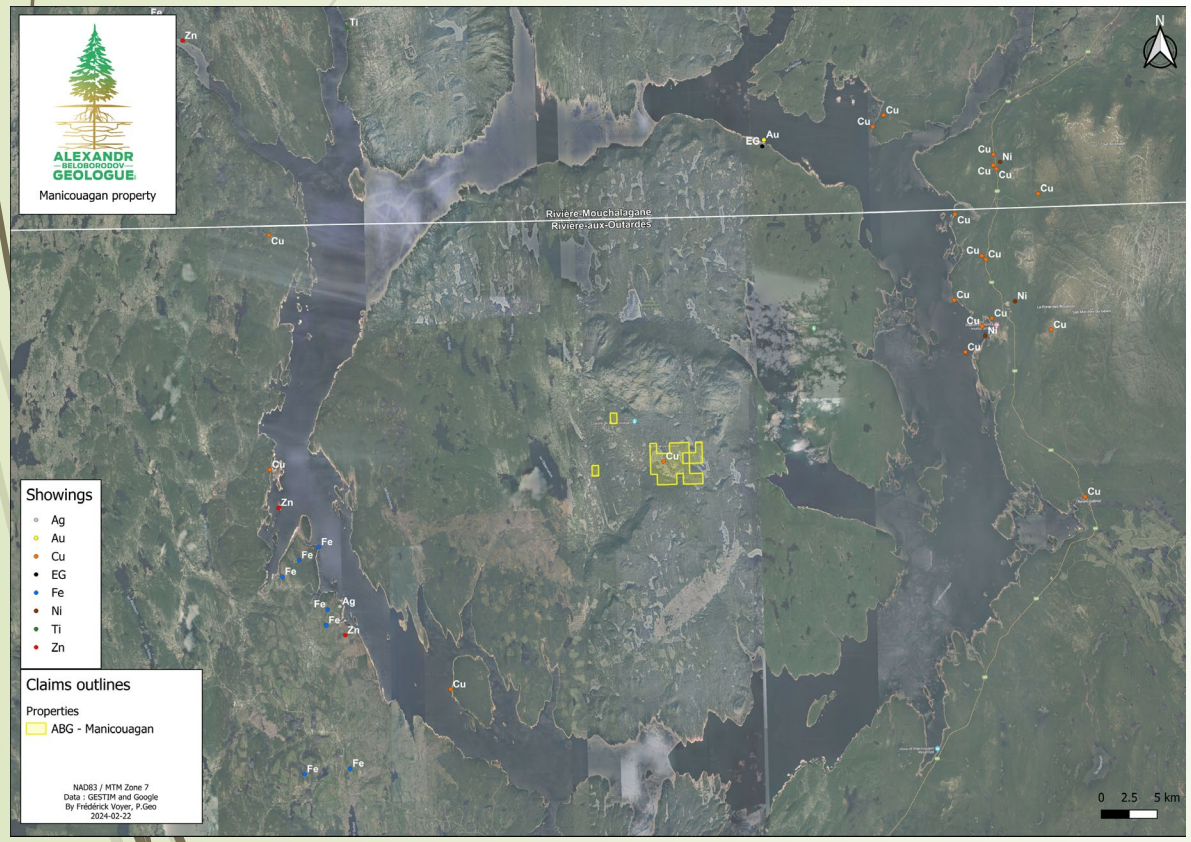
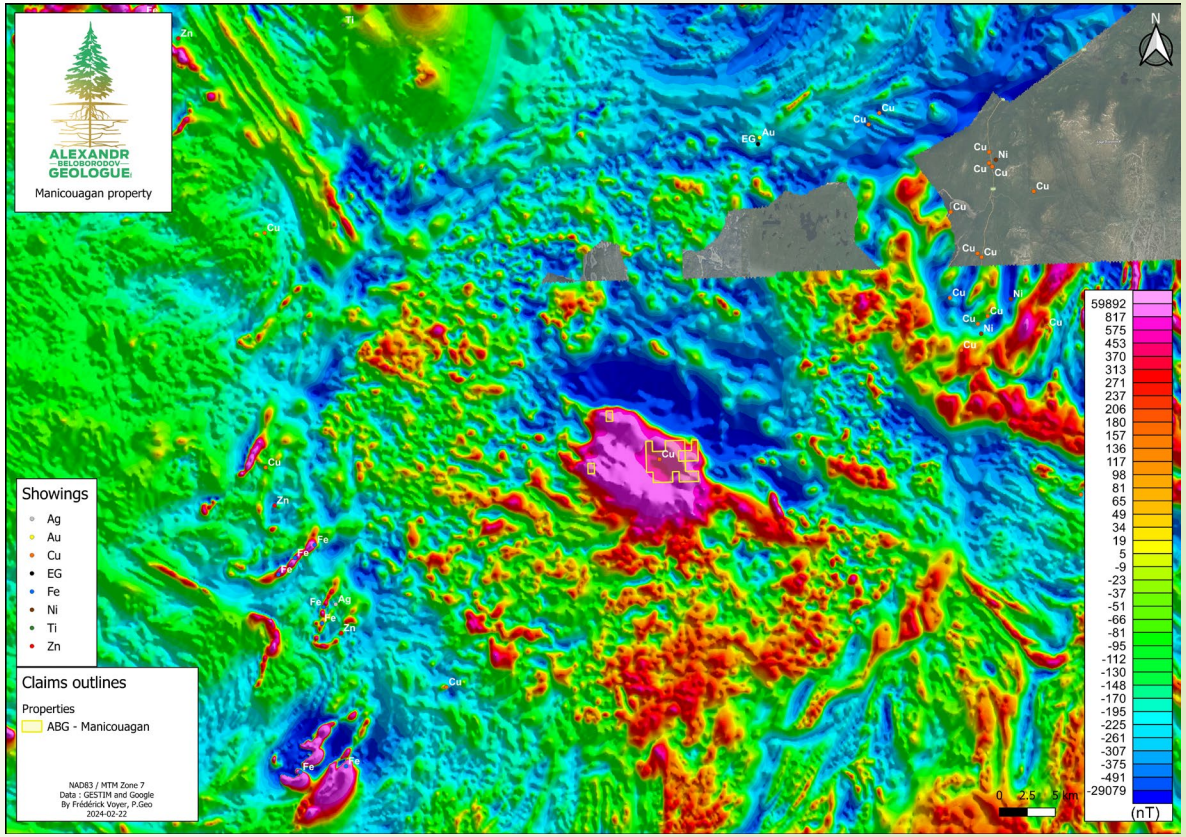


Louvicourt Pontiac Province

- 33 km east of Val-d'Or city, part of the Val-d'Or gold camp.
- Focus was on Pontiac sediments

Louvicourt Pontiac Province



Manicouagan, Lac Clef Copper showing in the center of the Mag Eye

Manicouagan, Lac Clef Copper showing in the center of the Mag Eye