



MIDLAND
EXPLORATION

TSX -V:MD



SOQUEM Alliance Labrador Trough



October 2024

SOQUEM Alliance Labrador Trough Highlights

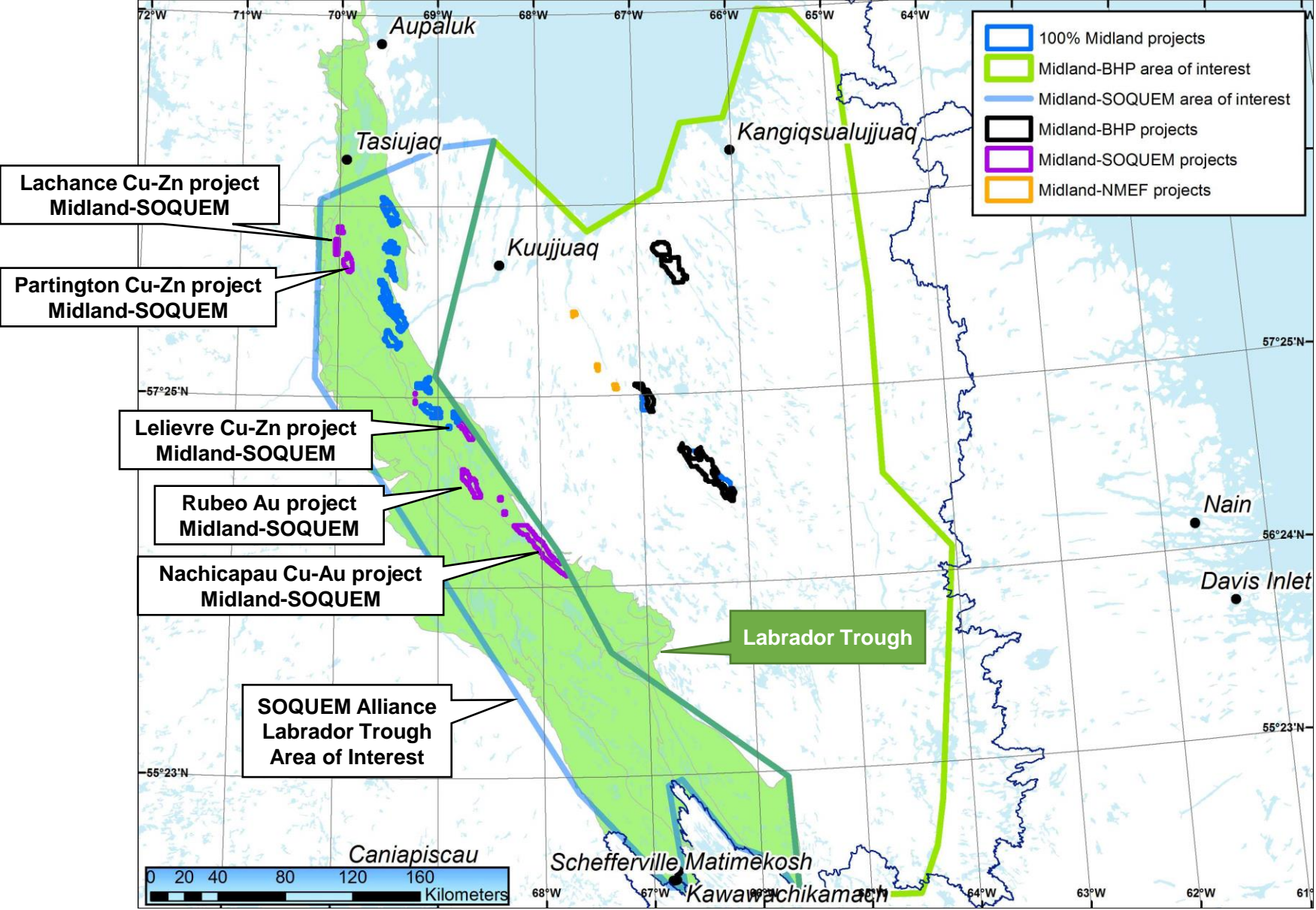


- ✓ Strategic alliance to explore for base metals and gold in the Labrador Trough.
- ✓ Nachicapau Cu-Au, Zn-Cu project:
 - ✓ Discovery in 2022 of a high-grade Cu-Au showing : up to **1.49% Cu, 0.54 g/t Au, 11.41 g/t Ag / 4.0m** (channels); up to **27.00% Cu, 8.42 g/t Au** (outcrop grab)
 - ✓ Discovery in 2023-2024 of numerous high-grade Cu-Au showings along a magnetic trend up to **39.90% Cu, 0.04 g/t Au and 15.40% Cu, 1.51 g/t Au** (outcrop grab)
 - ✓ Strong Cu footprint in B-horizon soils with most anomalies still unexplained
- ✓ Lelievre Zn-Cu project: new Zn-Cu showings that yielded up to 5.6% Zn in grab samples along a >5 km long favorable horizon that remain untested by drilling
- ✓ Partington Cu-Zn-Co project
 - ✓ Major, 6km x 3km pyrite-pyrrhotite laminated massive sulfides up to 80 meters thick that were never properly tested by drilling for Cu-Zn-Co sulfides
- ✓ Rubeo Au project
 - ✓ Discovery of a quartzite float that yielded up to **40.8 g/t Au** (grab sample). Similar mineralization on outcrops that yielded the following **up to 1.15 g/t Au** (grab samples)

SOQUEM Alliance Labrador Trough Location

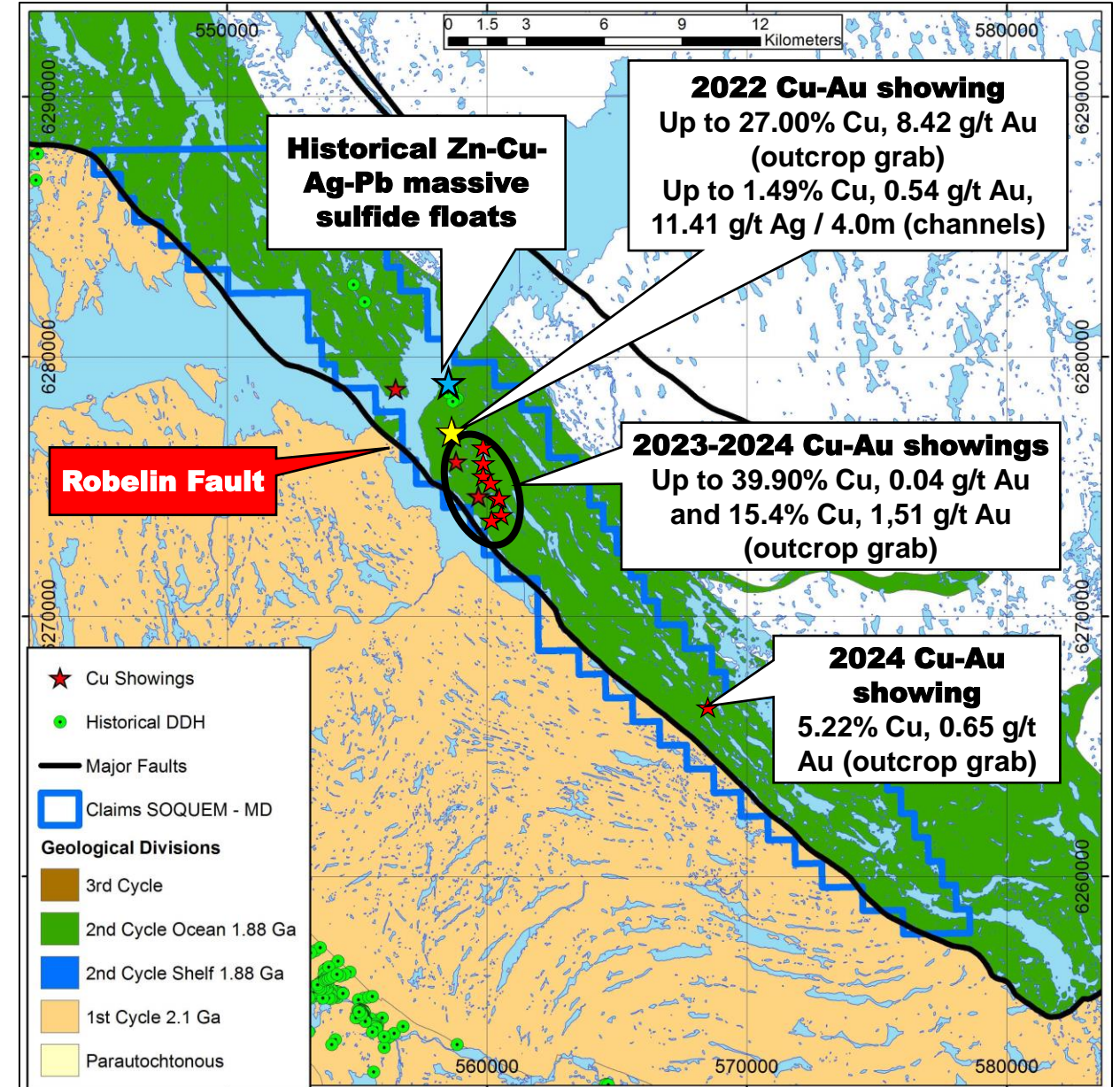


- Strategic alliance to explore for base metals and gold in the Labrador Trough
- Five different projects from map designation between 2021 to 2024

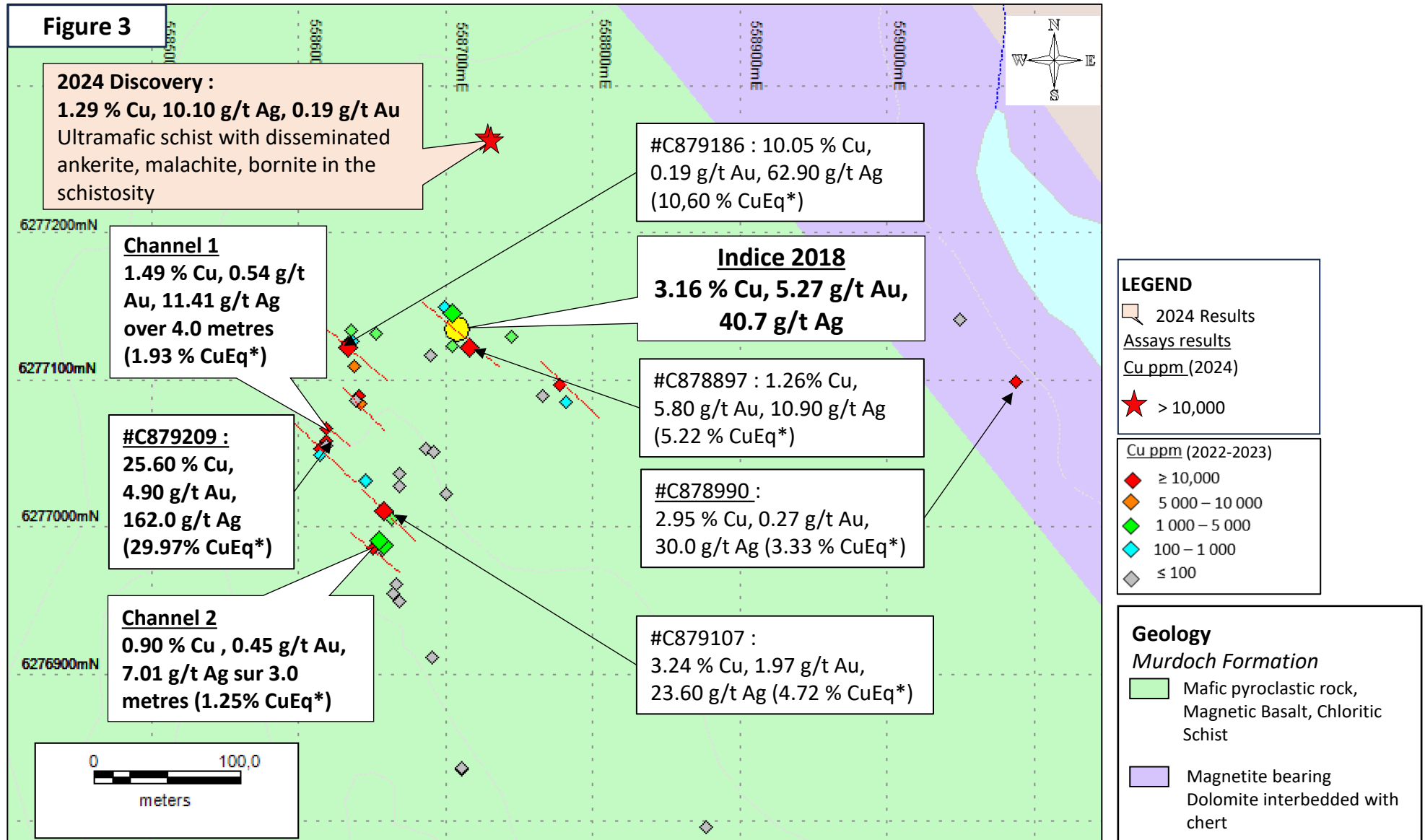


Nachicapau Copper-Gold Project

- **Historical Zn-Cu-Ag-Pb massive sulfide floats**
 - 4 floats with Zn values > 1%
 - Best Zn result: **13.25% Zn, 0.56% Cu, 11.6 g/t Ag, 0.12 g/t Au** (float grab)
 - **Source not discovered**
- **Discovery in 2022 of a high-grade Cu-Au showing**
 - **1.49% Cu, 0.54 g/t Au, 11.41 g/t Ag / 4.0m** (channels)
 - 0.9% Cu, 0.45 g/t Au, 7.01 g/t Ag / 3.0m (channels)
 - Numerous high grade grab samples in veins:
 - **Up to 27.00% Cu and 8.42 g/t Au**
 - Mineralization is associated with a shear zone and tension veins with ultramafic tufs. Shear possibly subsidiary to the Robelin fault located 1.5km SW
 - Discovery in 2023-2024 of numerous high-grade Cu-Au showings along a magnetic trend
- **Discovery in 2023-2024 of numerous high-grade Cu-Au showings along a magnetic trend up to 39.90% Cu, 0.04 g/t Au and 15.40% Cu, 1.51 g/t Au** (outcrop grab)
- **Cu-Au showings have not been drilled yet**
- **Large project with high Cu-Au potential that has only partially been explored yet**



Nachicapau – Best results



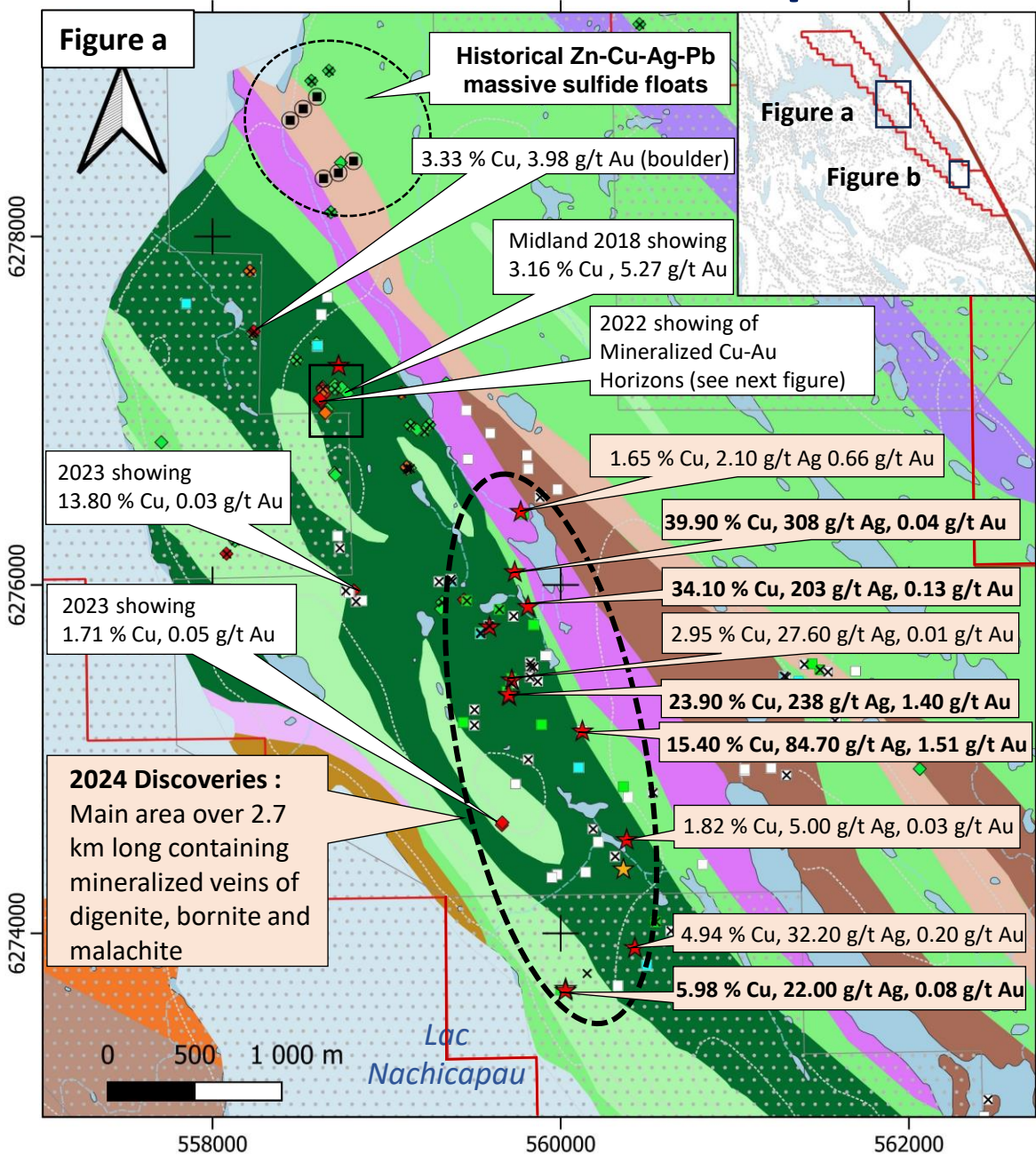
Nachicapau 2022 Showing: Outcrops



Nachicapau 2022 Showing: Channels



Nachicapau – 2024 Results



Legend

Field work

- 2024 Results

2024 Rock samples Cu ppm

- > 10,000
- 5,000 – 10,000
- 1,000 – 5,000
- 300 – 1,000
- < 300
- Boulder

2022-2023 Rock samples Cu ppm

- 1,000 - 5,000
- 5,000 - 10,000
- >10,000
- Boulder
- 2012 Virginia Drillhole

Géologie

MONTAGNAIS GROUP

- Aphyric gabbro, olivine gabbro, quartz gabbro, locally pegmatitic

MURDOCH FORMATION

- Ultramafic to mafic pyroclastic rock, magnetic basalt and chloritic schist
- Basalte, massive and pillowed
- Grey mudstone and siltite
- Magnetite bearing dolomite interbedded with chert

BACCUS FORMATION

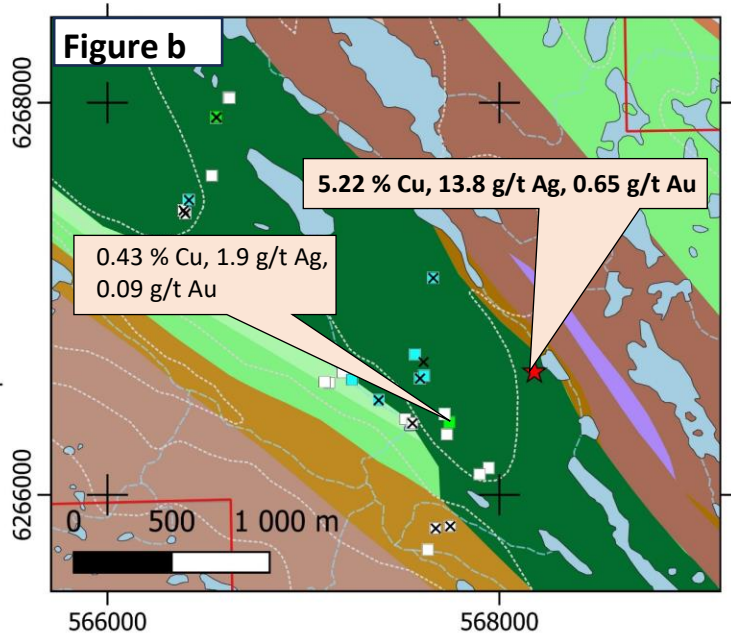
- Greywacke interbedded with conglomerate, turbidite

DENAULT FORMATION

- Magnetite bearing dolomite

Titres miniers et restrictions

- Midland-SOQUEM claims
- Specific agreement for conservation (exploration allowed)



Projection System :
Universal Transverse Mercator
NAD83 Zone 19

2024 Pictures of Nachicapau Samples



39.90 % Cu, 308.00 g/t Ag, 0.04 g/t Au
Massive bornite, digenite, malachite in a
dm-scale calcite vein (#C1456513)

23.90 % Cu, 238.00 g/t Ag, 1.40 g/t Au
Digenite, malachite, bornite, calcite vein,
cm scale (#C1456119)



0.41 % Cu, 5.10 g/t Ag, 0.08 g/t Au
Cm-scale cluster of malachite
crosscutting the schistosity of the
chloritic schist (#C1456413)

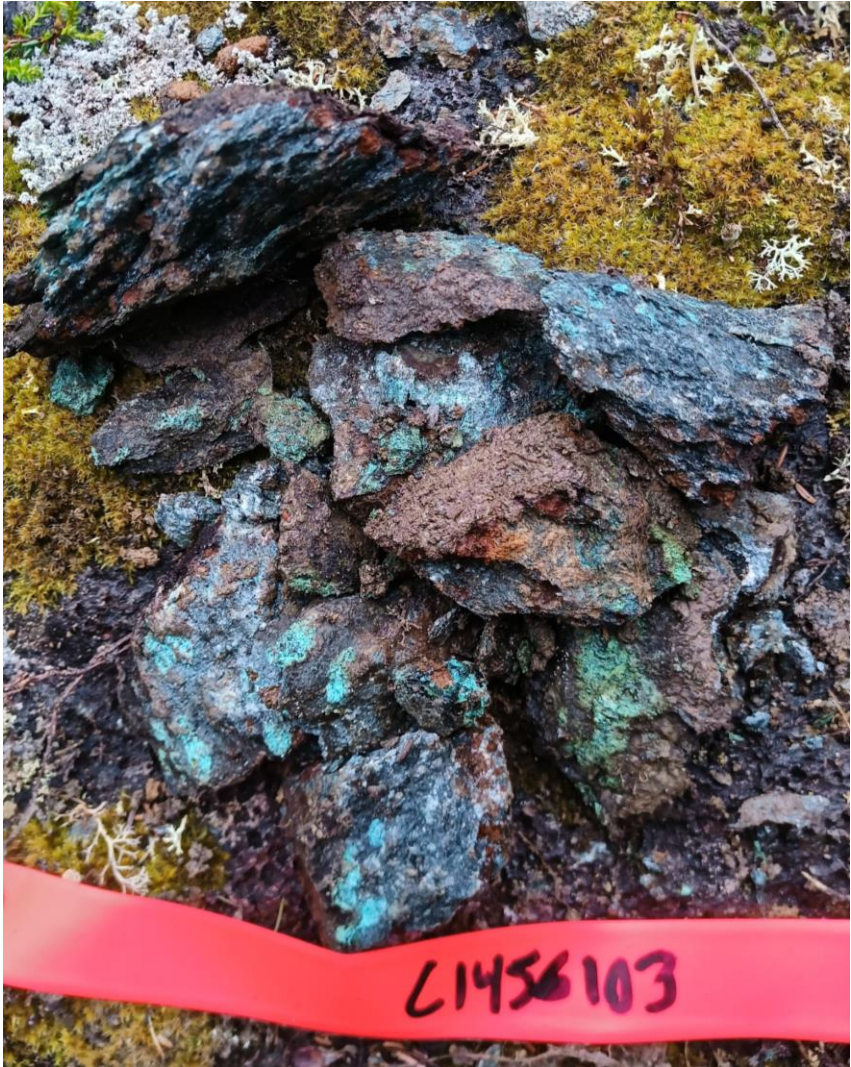


#C1456119

2024 Pictures of Nachicapau Samples

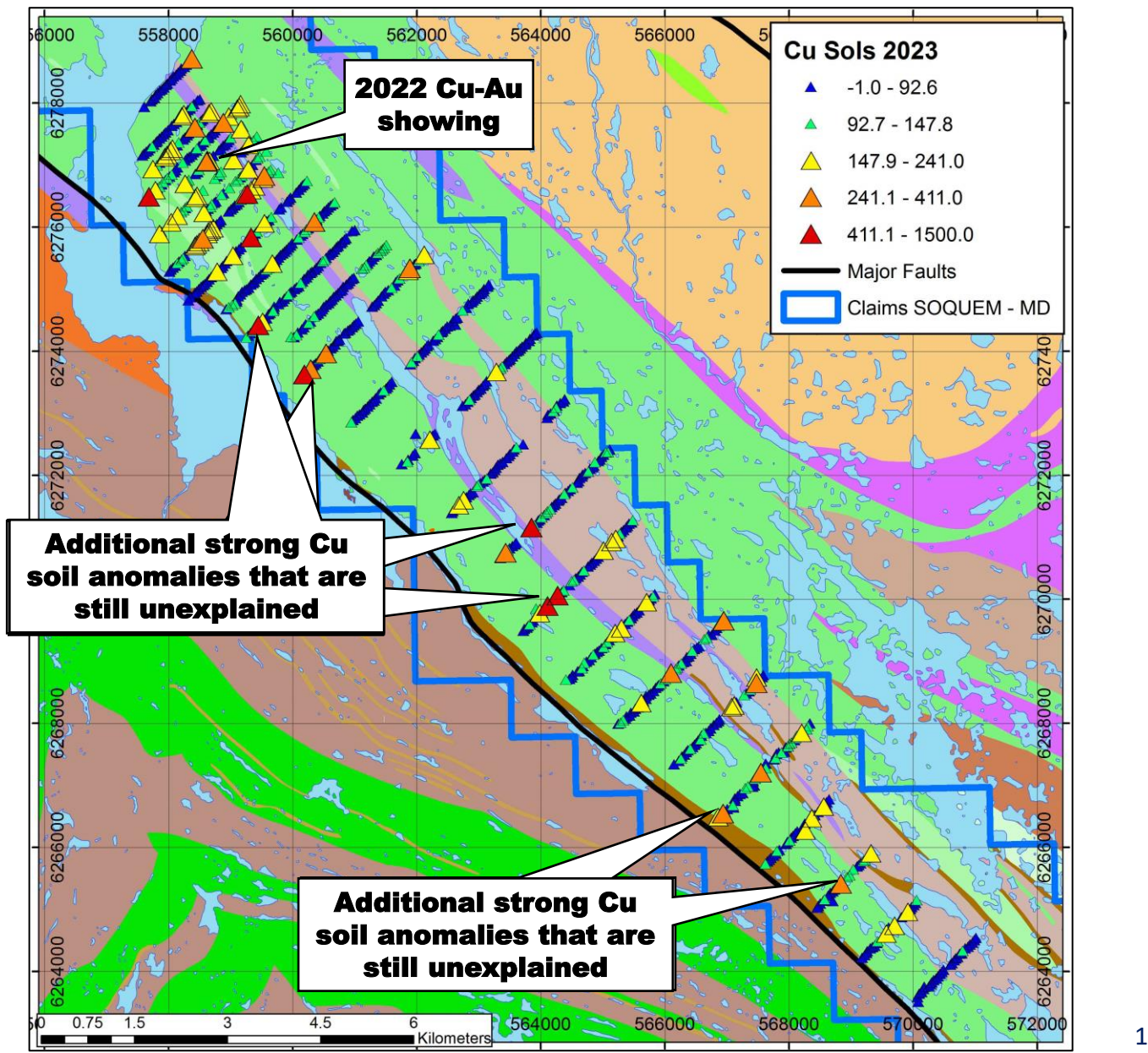
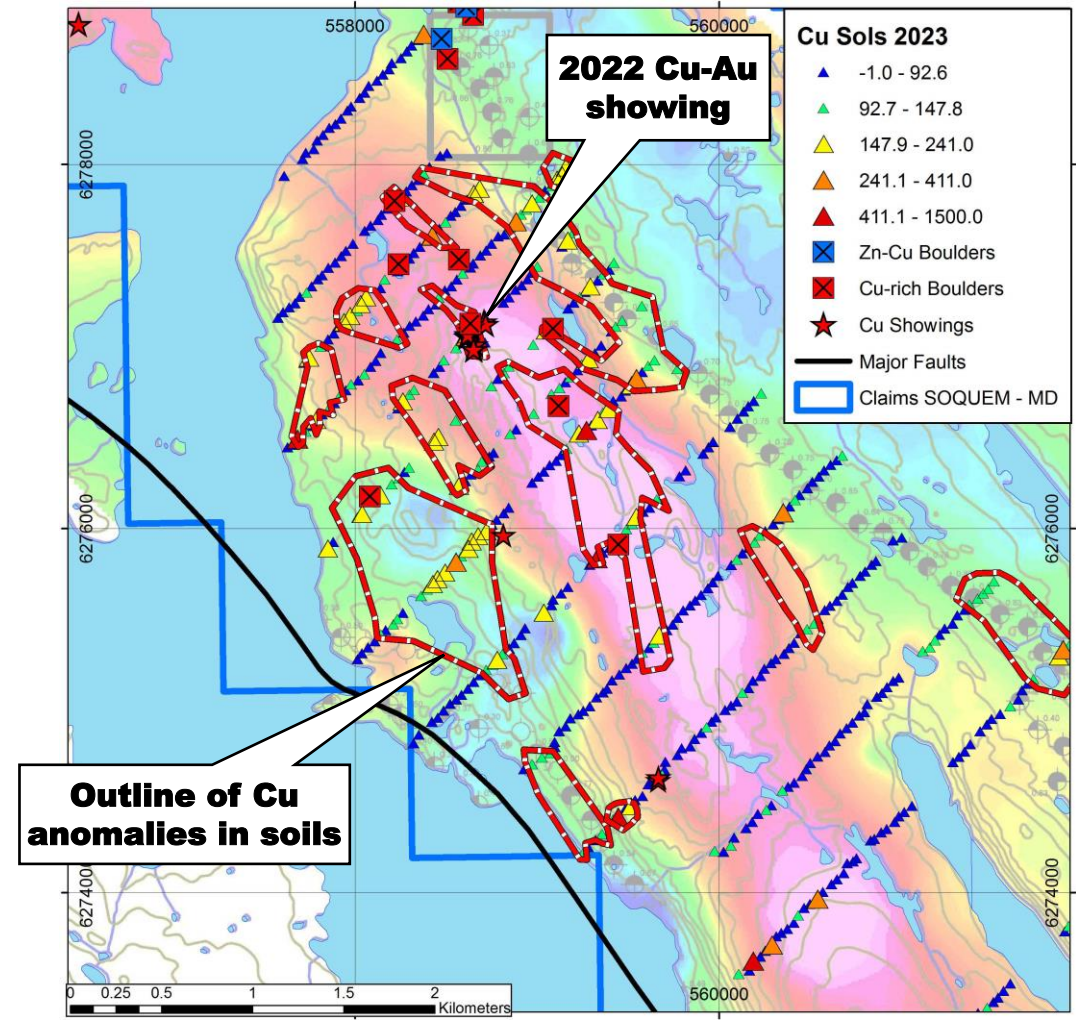


1.29 % Cu, 10.10 g/t Ag, 0.19 g/t Au
Ultramafic schist with ankerite, 15 % malachite, 1 % bornite in the schistosity (#C1456103)



Nachicapau Cu in Soil Survey

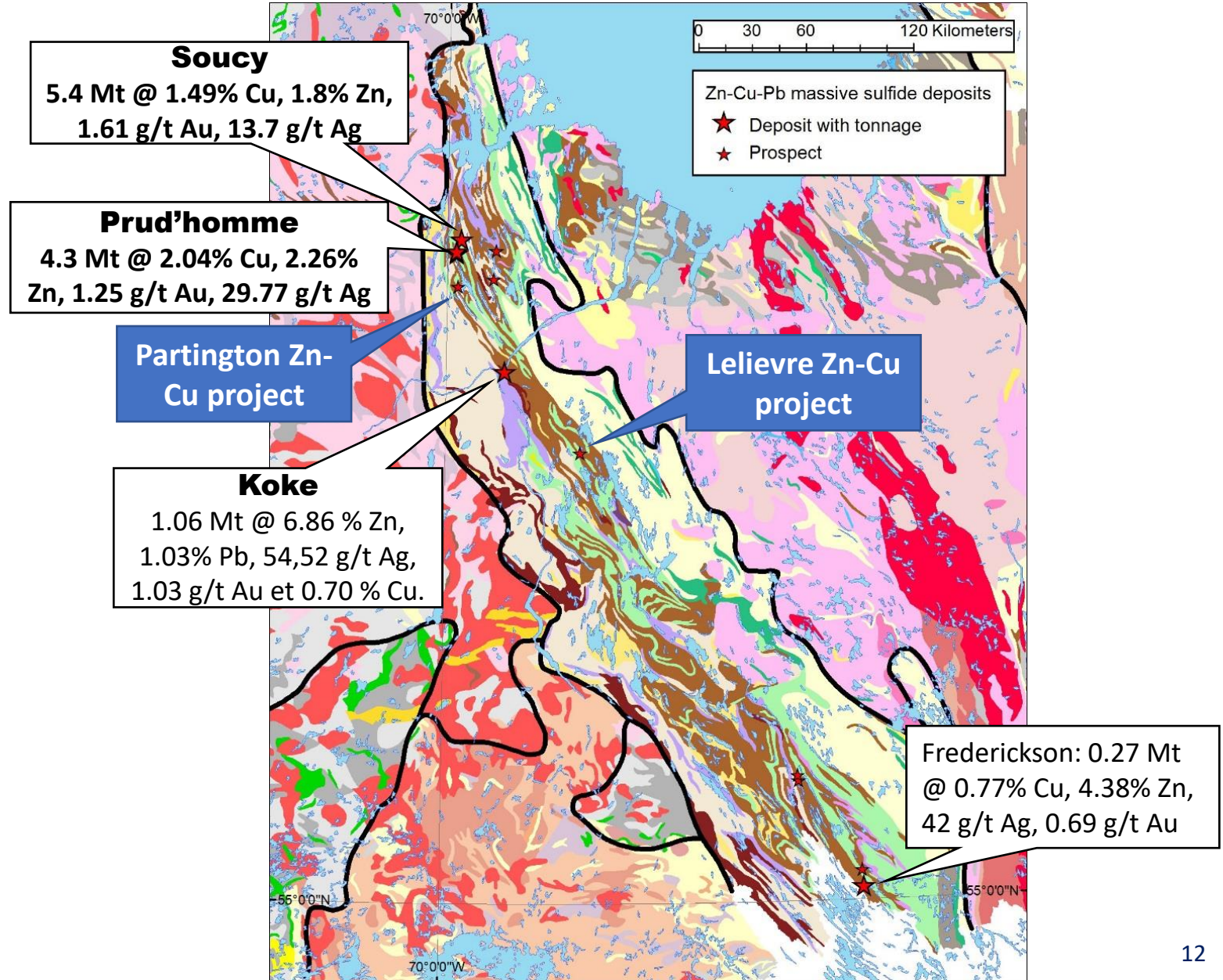
- Large zones of strong B-horizon Cu anomalies are still unexplained along the favorable stratigraphy --> More fieldwork needed



Cu-Zn-Co, Zn-Cu Massive Sulfides in the Labrador Trough



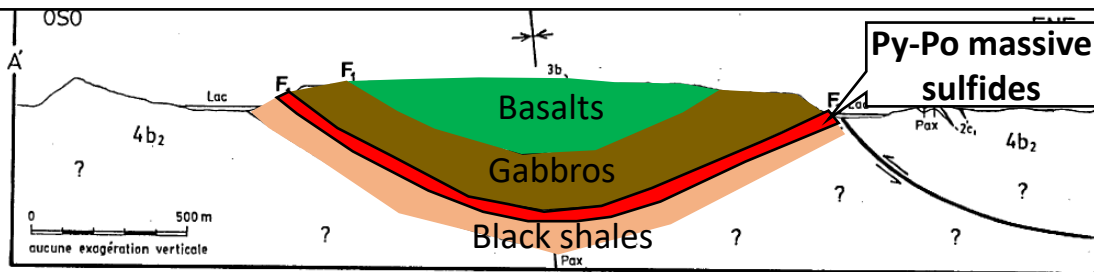
- Large Cu-Zn-Co, Zn-Cu-Pb, mafic-siliciclastic (Besshi-type) massive sulfide deposits are known in the Labrador Trough
- Cu-Zn-Co mafic-siliciclastic massive sulfide deposits can be very large deposits
 - Ex: Windy Craggy deposit in British Columbia: **297.4 Mt at 1.38% Cu, 0.25% Zn**
- The Labrador Trough is an area with strong mafic-siliciclastic massive sulfides potential that was mostly explored in the 1950's and 1960's, very little since
- Two Midland - SOQUEM projects target mafic-siliciclastic massive sulfides: Lelievre, Partington



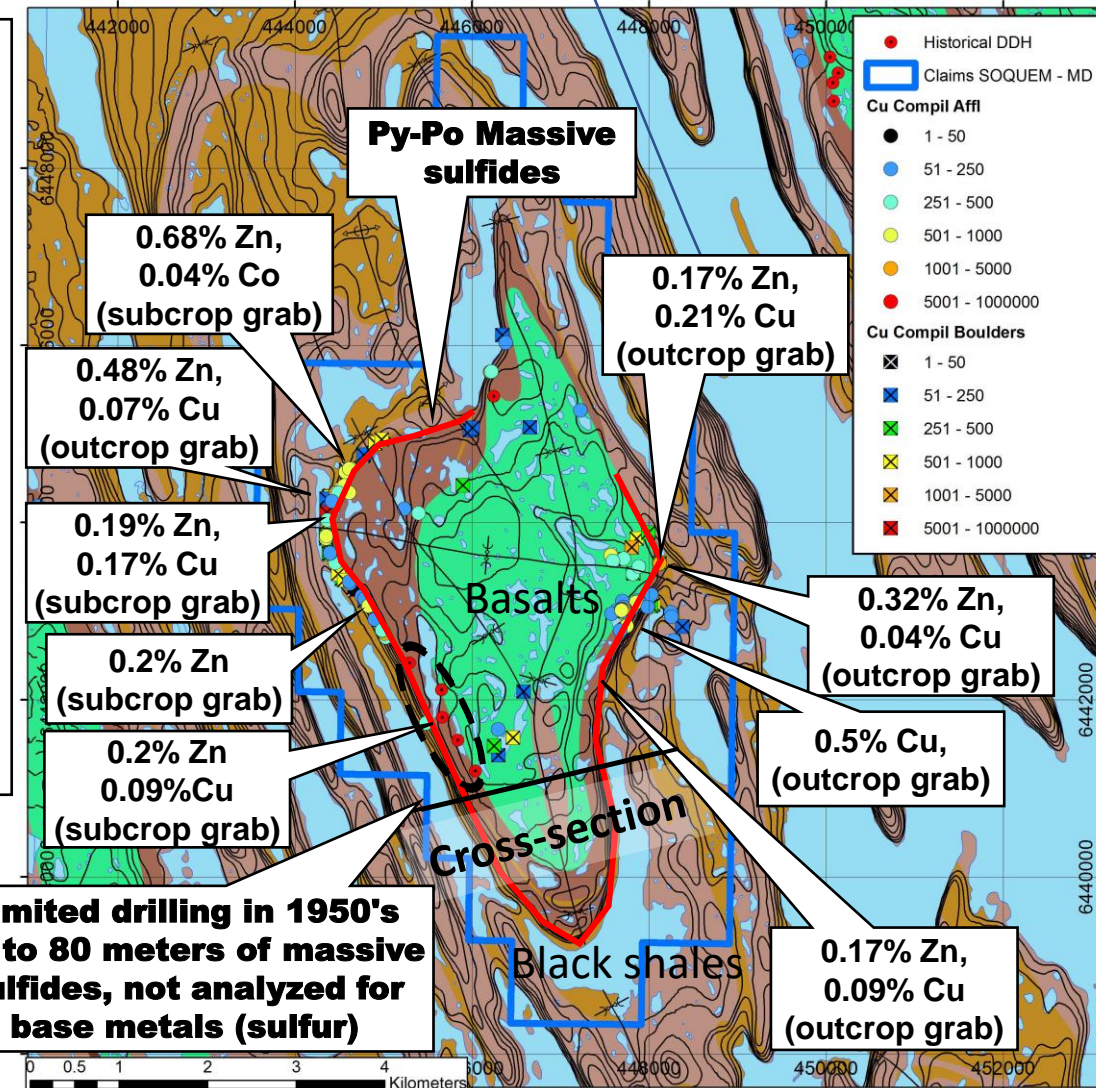
Partington Massive Sulfides

- **Very extensive laminated pyrite-pyrrhotite (Py-Po) massive sulfides** in black shales just under Hellancourt basalts - Favorable location that hosts large Cu-Zn-Co massive sulfides in the area
- Regionally, **extensive units of similar Py-Po massive sulfides often cap economic Cu-Zn-Co mineralization** (see next slide)
- Based on outcrops, the massive sulfide layer is **about 6 km long by 3 km wide, shallow dipping in an open syncline** - Large surface area at shallow depth that could host Cu-Zn-Co sulfides
- Limited drilling in one area in the 1950's intersected **up 80 meters of massive sulfides**, which was only analyzed for sulfur
- Surface sampling of the massive sulfides since 2021 has identified **several areas with anomalous Cu, Zn, Co values that could point to economic Cu-Zn-Co mineralization nearby**

Cross-section of the Partington laminated Py-Po massive sulfides



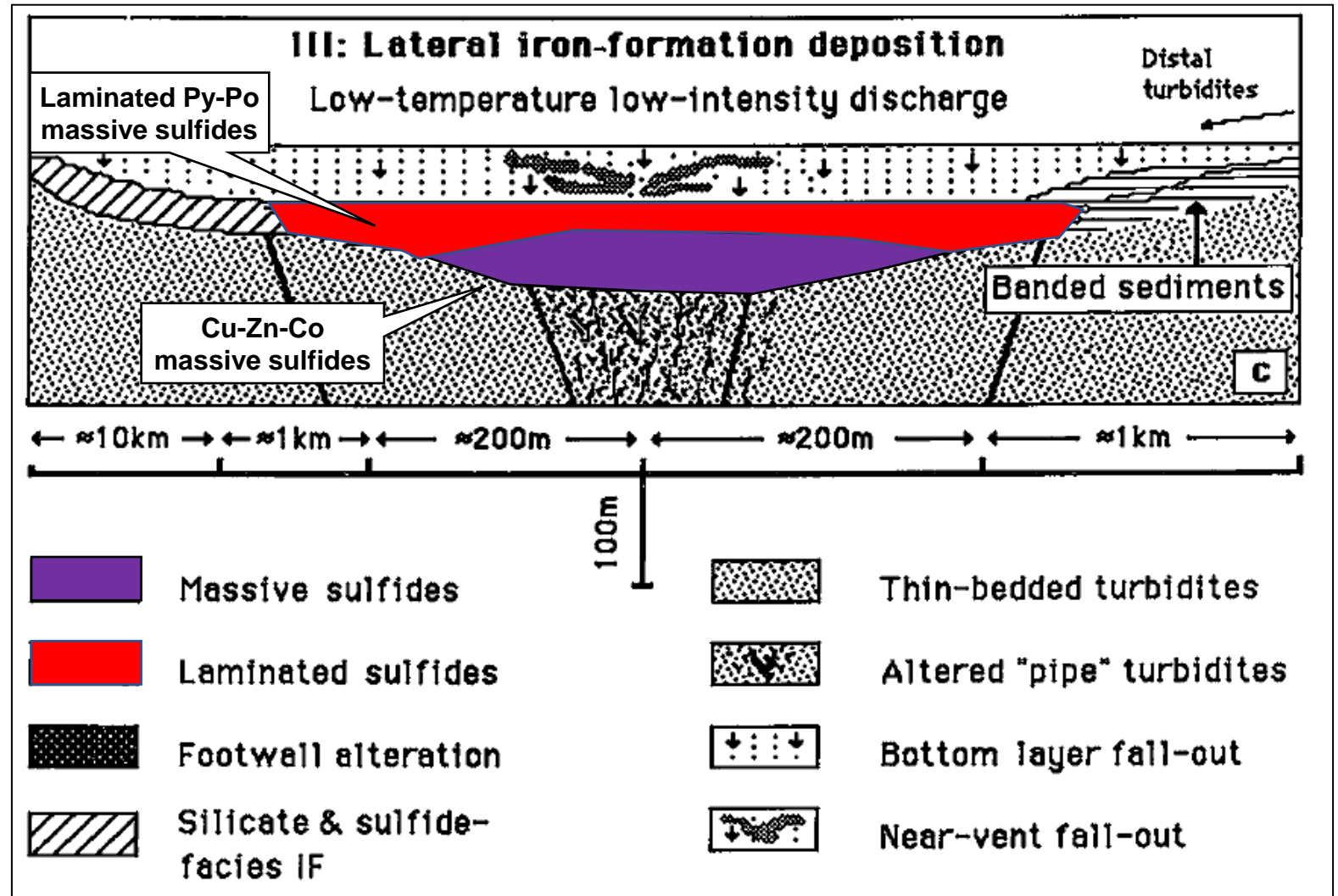
Modified from Wares et al., 1989



Limited drilling in 1950's
Up to 80 meters of massive sulfides, not analyzed for base metals (sulfur)

Layered Massive Sulfides

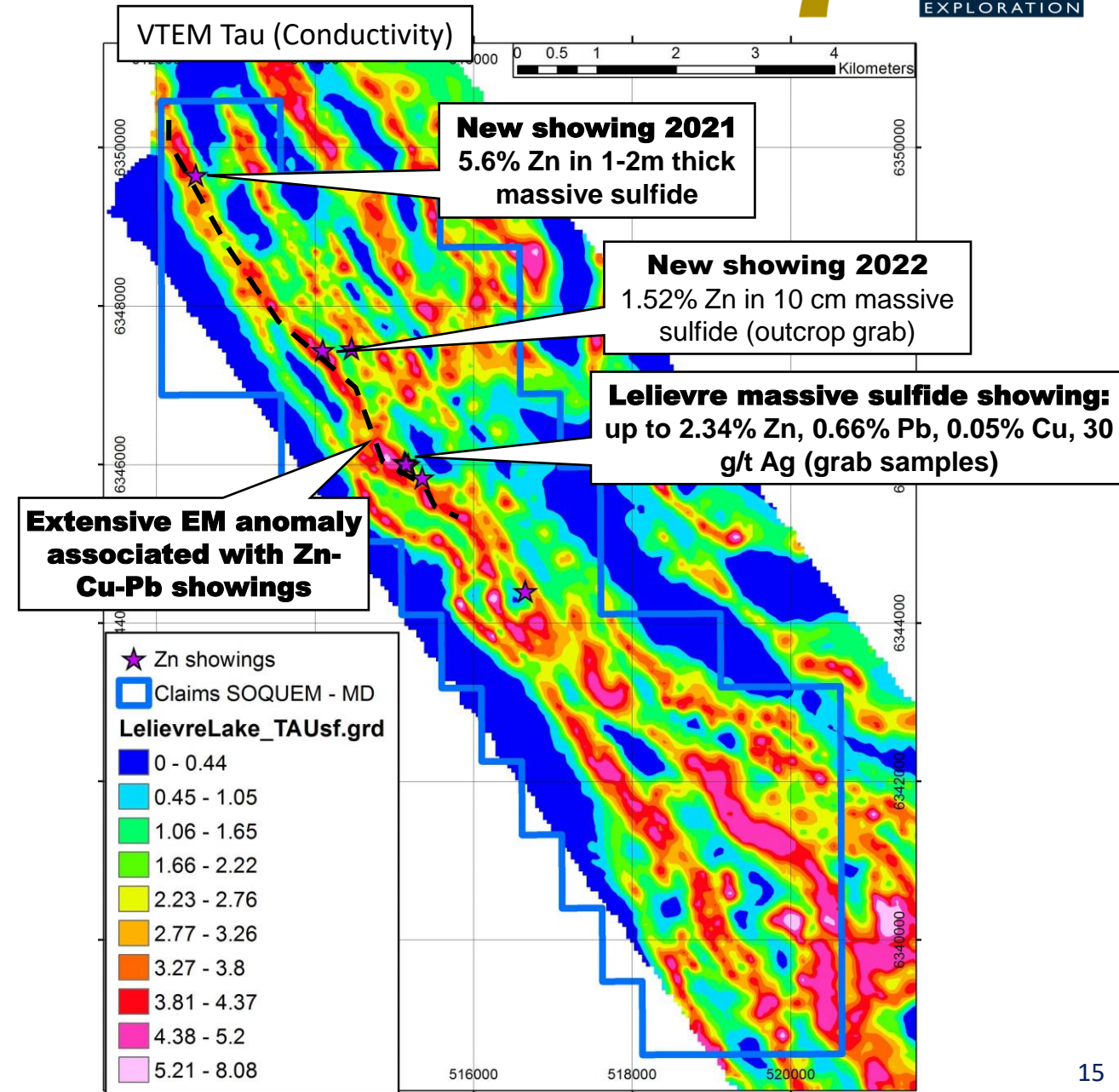
- Regionally, laminated pyrrhotite-pyrite massive sulfides (barren) cap and extend further from underlying economic Cu-Zn-Co massive sulfides
- Ex: at the Soucy and Prud'homme massive sulfide deposits



From Barrett et al., 1988

Lelievre Copper-Zinc Project

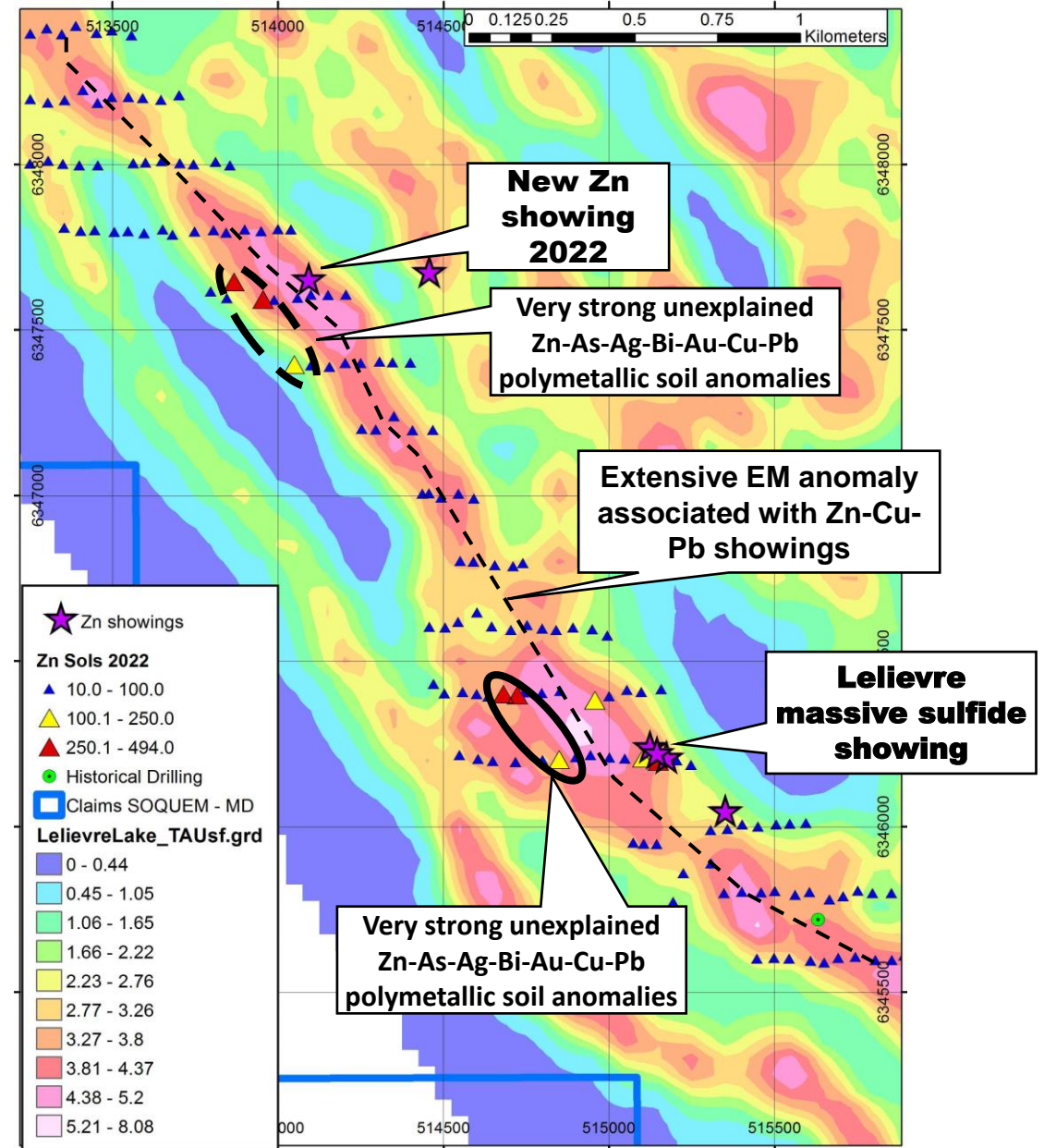
- Historical Zn-Cu-Pb-Ag Lelievre massive sulfide showing; 2021 resampling (grab samples):
 - **2.34% Zn, 0.66% Pb, 0.05% Cu, 30 g/t Ag**
 - 0.93% Zn, 0.47% Cu, 0.15% Pb, 10 g/t Ag
 - No historical drilling of the showing
- New Zn showings found in 2021-2022:
 - **5.6% Zn, 0.14% Cu: 1-2m thick massive sulfide layer (grab sample) - 4.5 km NW of the historical Lelievre showing**
 - **1.52% Zn: 10 cm thick massive sulfide layer (grab sample)**
- VTEM Survey in 2021 highlighted a **regional EM anomaly associated with the known Zn-Cu mineralization**
- **Limited historical drilling in the area (5 DDH in 1960's all less than 100 meters depth)**



Lelievre Copper-Zinc Project – 2022 Soil Survey

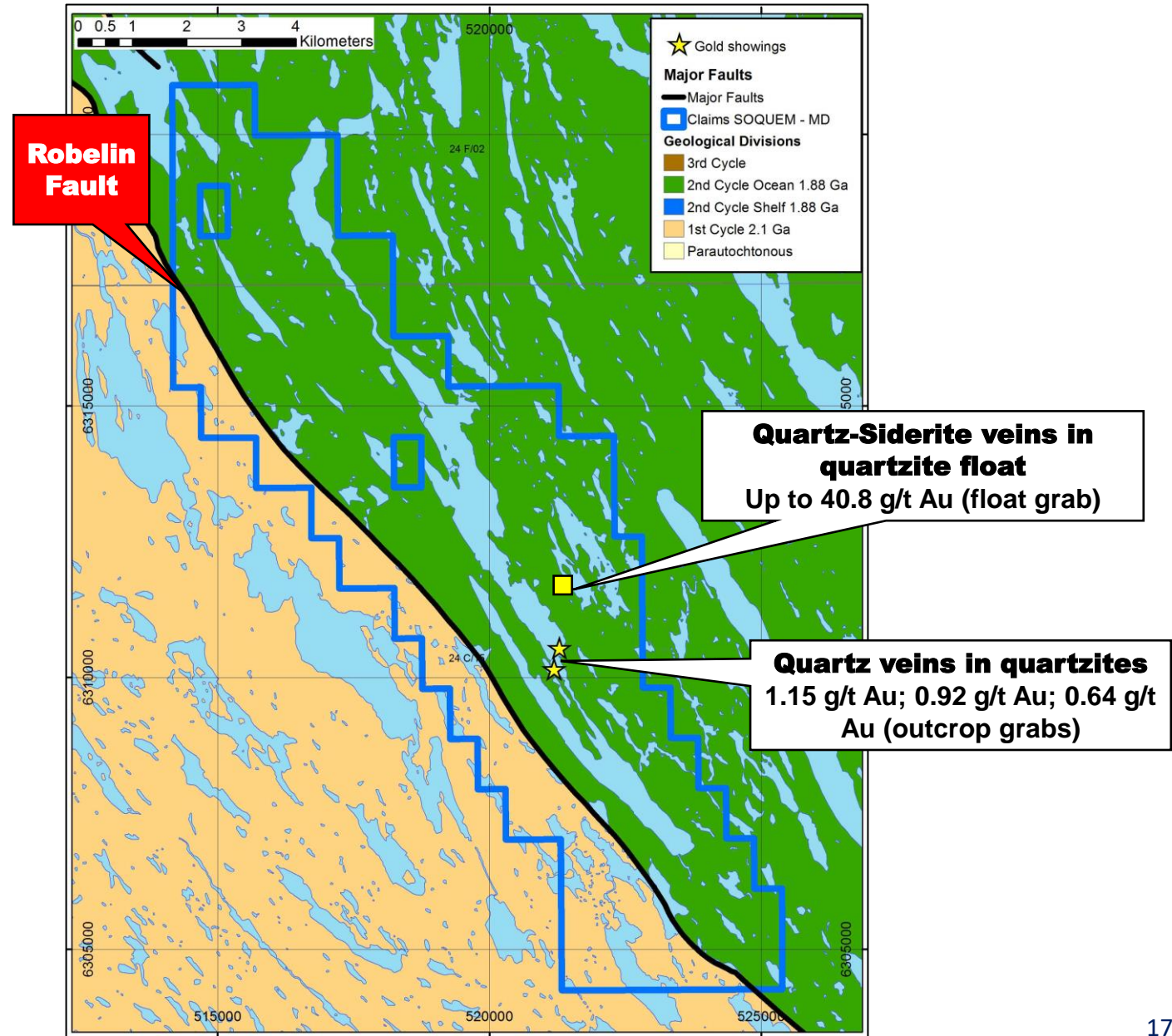


- 2021 Soil survey that covered the regional EM anomalies associated with the known Zn showings
- **Very strong Zn-As-Ag-Bi-Au-Cu-Pb polymetallic soil anomalies have not been followed up and are still unexplained**, close to the regional EM anomaly
 1. 3 anomalies over 2 lines (200m apart), 250m west of the Lelievre showing
 2. 3 anomalies over 3 lines (total 300m apart), west of the 1.52% Zn showing



Rubeo Gold Project

- Discovery in 2021 of a quartzite float with quartz-siderite veins that yielded **up to 40.8 g/t Au** (grab sample)
- Prospection in 2022 uncovered similar mineralization on outcrops that yielded the following gold values:
 - **1.15 g/t Au; 0.92 g/t Au; 0.64 g/t Au** (grab samples)
- **Close to the Robelin fault**, major control of Au and Cu-Au mineralization in the Labrador Trough
- **No historical drilling on project**
- **Area is underexplored and large - 15 km long project** - More exploration needed to fully assess the gold potential of the area



Rubeo Gold Float



Quartz-Siderite vein in quartzite float
Up to 40.8 g/t Au (float grab)



Rubeo Gold Showings Outcrops

**Quartz-Pyrite vein in
quartzite outcrop
1.15 g/t Au (grab)**



**Quartz-Pyrite vein in
quartzite outcrop
0.64 g/t Au (grab)**

