




MIDLAND
EXPLORATION

TSX-V:MD



Eleonore/JV Electric Elements Project

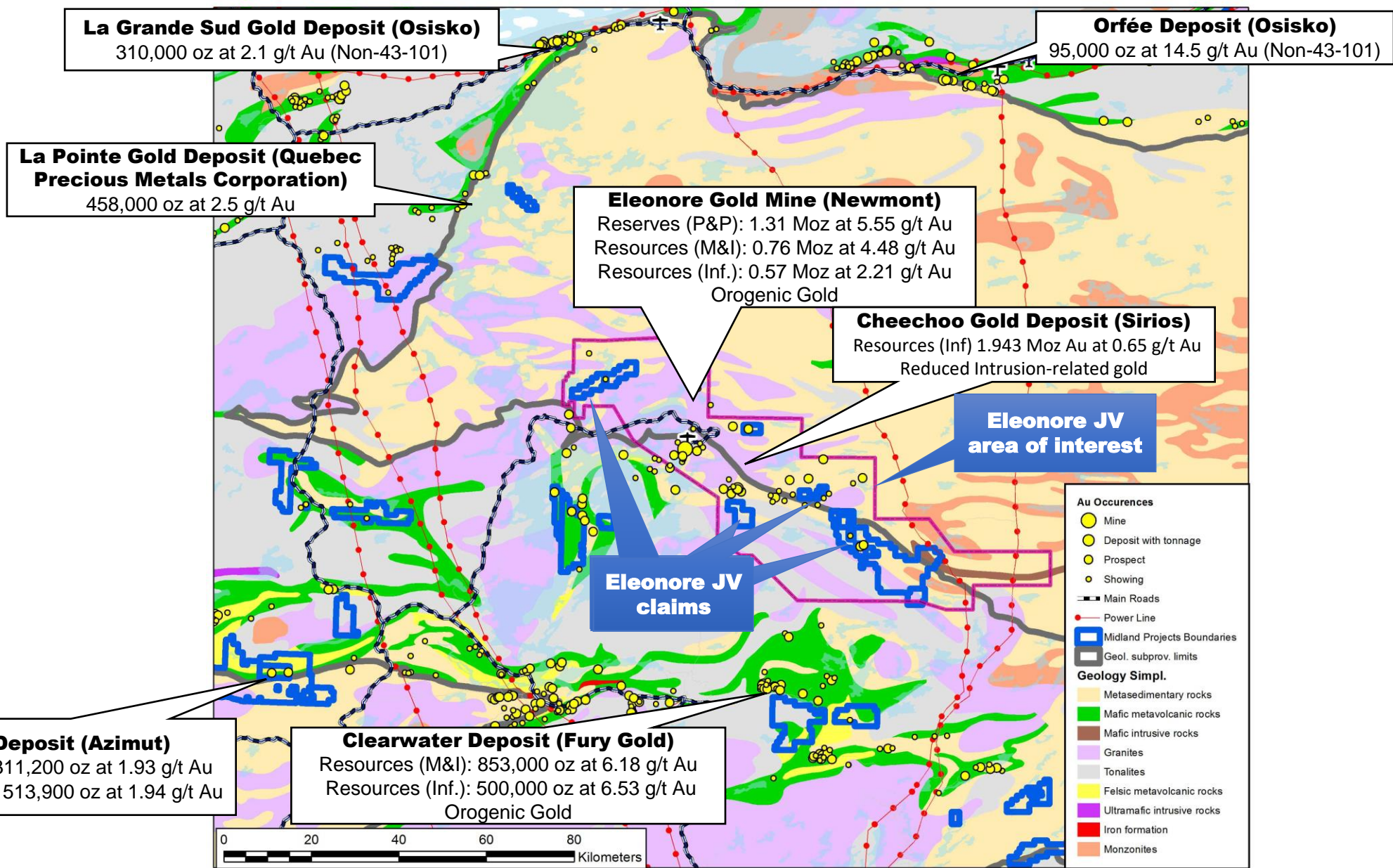
June 2024

Eleonore/JV Electric Elements Highlights



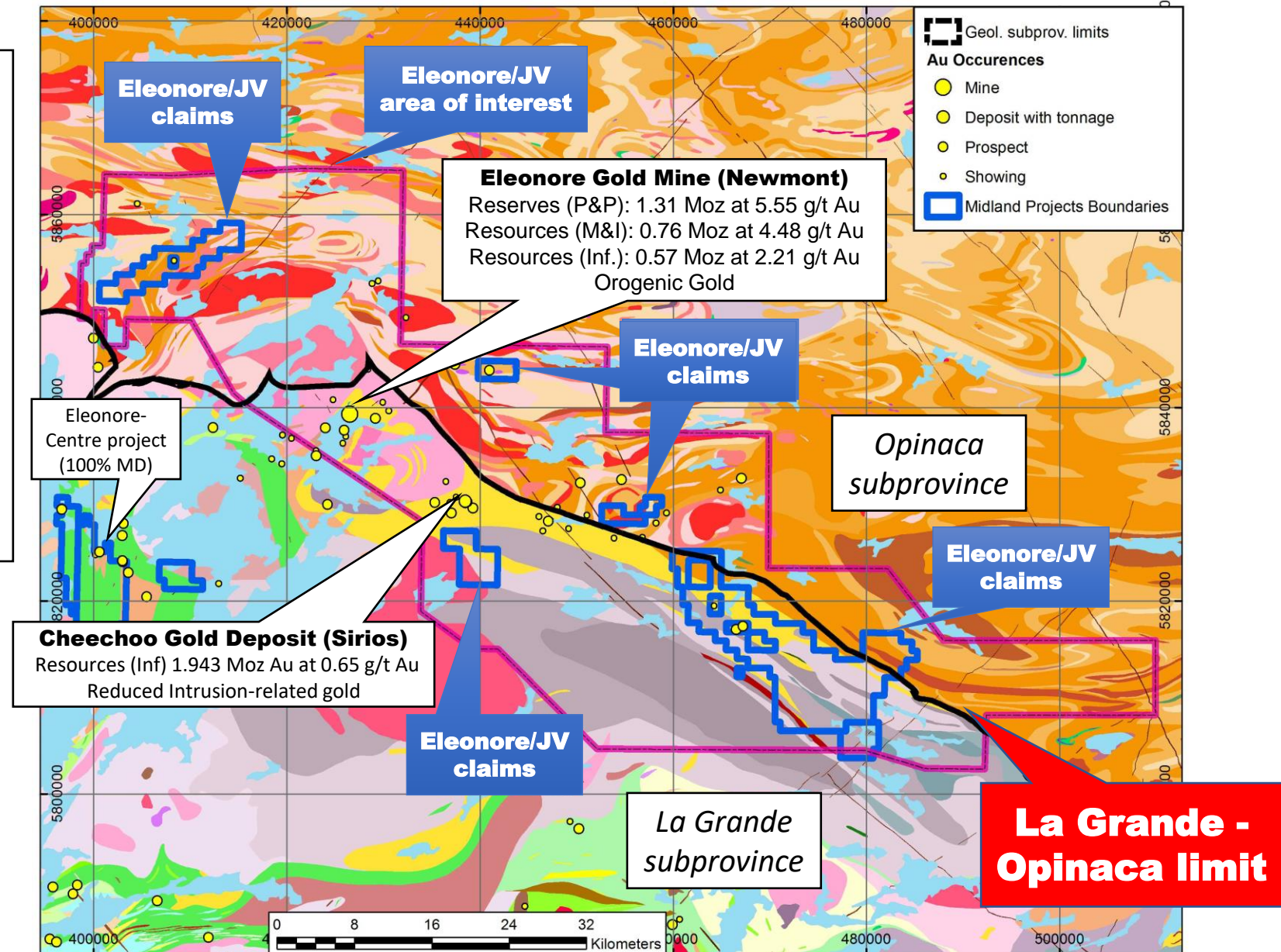
- ✓ Strategic alliance covering a large unexplored region at the contact between the La Grande and Opinaca geological subprovinces. This contact controls the location of the Eleonore Gold Mine and the Cheechoo deposit;
- ✓ Strong copper potential now recognized on the project, with the discovery in 2016-2018 of magmatic-hydrothermal copper-silver mineralization in a poorly known portion of the project, with grades up to 2.48% Cu, > 100 g/t Ag in channels ;
- ✓ Strong unexplained copper lake sediment anomalies southeast of the 2016-2018 discoveries;
- ✓ Potential for lithium pegmatites, with reported favorable tourmaline-bearing pegmatites located in a very favorable geological setting that were never sampled previously;
- ✓ Abundant gold anomalies in paragneiss close to the La Grande - Opinaca boundary;
- ✓ No drilling ever done on the project.

James Bay – Eleonore/JV Area Gold Prospects



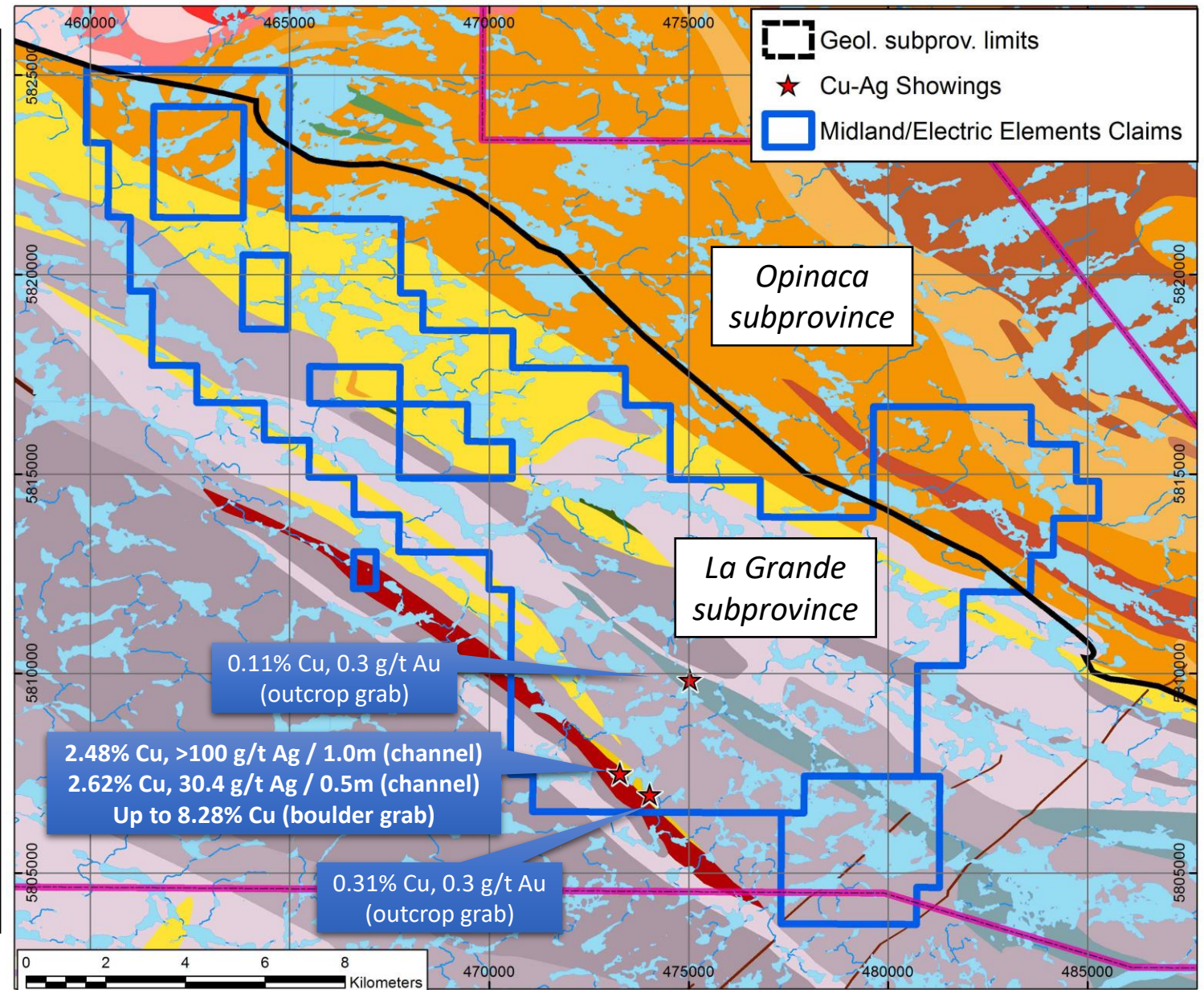
Eleonore/JV Area Geology

- The two gold deposits known in the area (Eleonore Mine and Cheechoo deposit) are found **close to the limit between the La Grande and Opinaca geological subprovinces, on the La Grande side**
- The Eleonore/JV project **covers more than 25 kilometers of fertile ground on the La Grande side of the subprovinces limit**



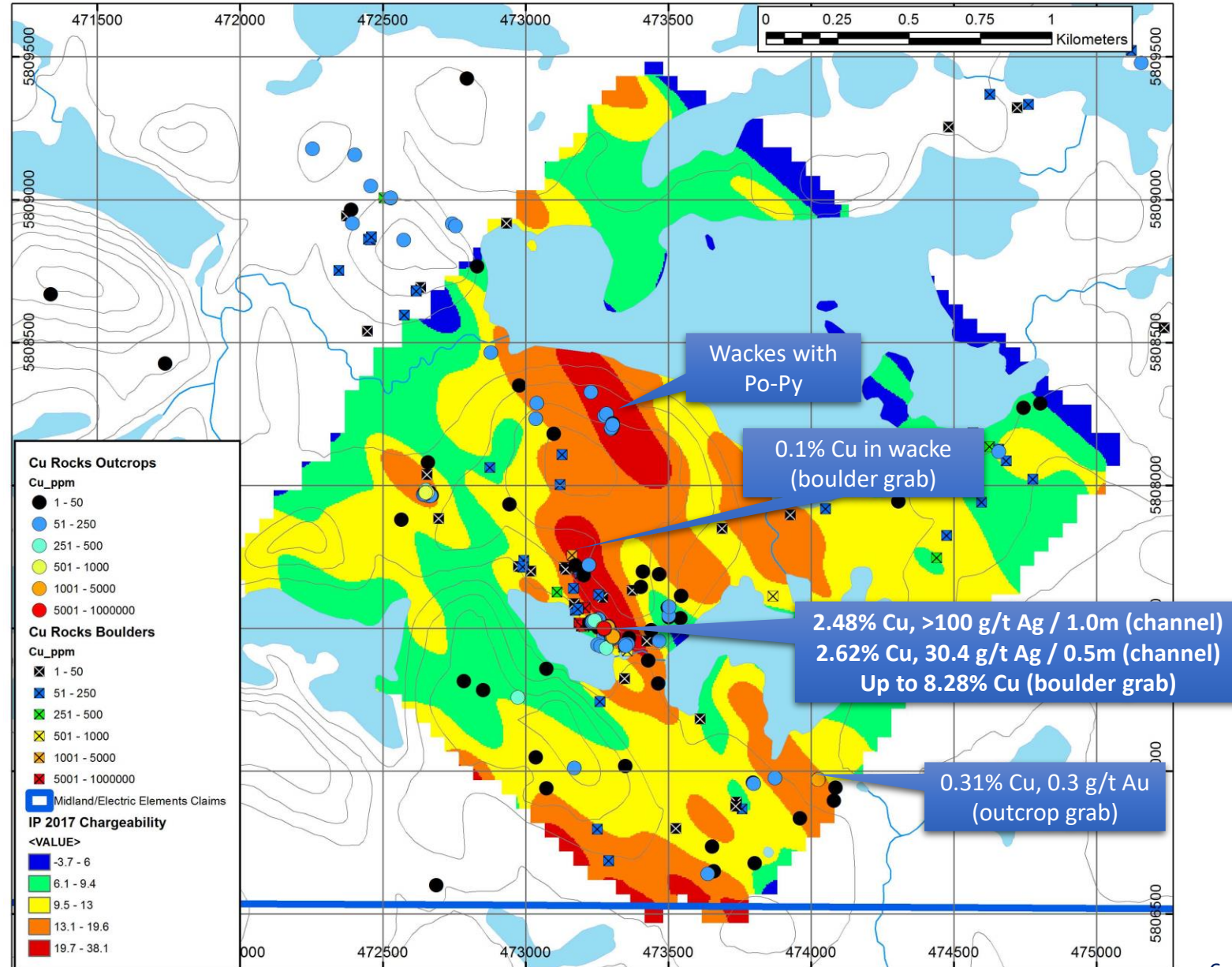
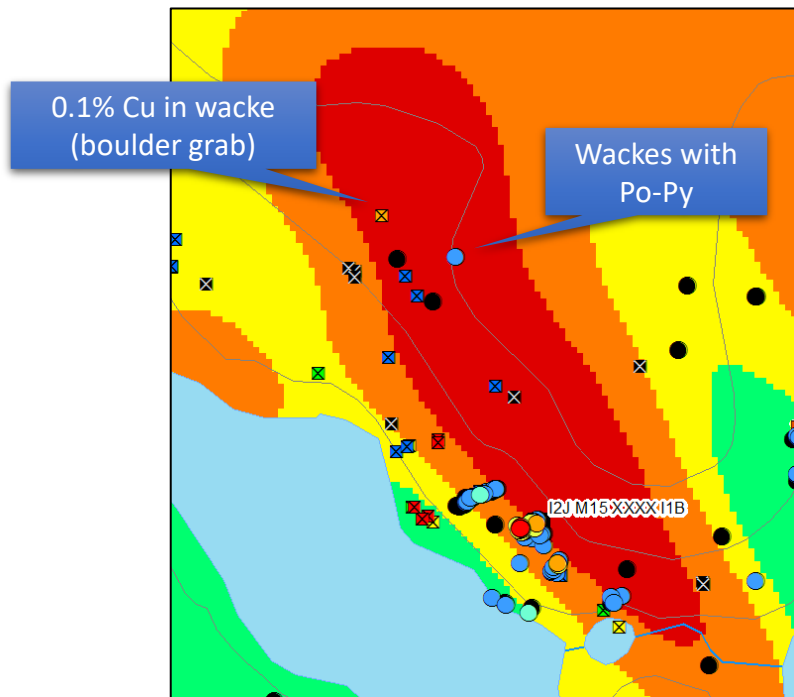
Eleonore/JV Copper Showings

- Copper mineralization found in 2016-2018 in a very poorly known part of the project.
- Boulders found in 2016-2017 returned up to **8.28% Cu (grabs)**
- **IP survey and trenching done in 2018 found the mineralization on outcrop**
- Channels in 2018
 - **2.48% Cu, >100 g/t Ag / 1.0m**
 - **2.62% Cu, 30.4 g/t Ag / 0.5m**
- Diorite with pyrite-chalcopyrite and strong epidote (calc-silicate) alteration, in bands
- Interpreted as the **distal calc-silicate alteration of a magmatic-hydrothermal (porphyry) system**



Eleonore/JV Copper Showings

- Strong IP chargeability anomaly close to the 2016-2018 Cu showings in the epidotized diorite. The 2018 trenches were on the edge of the IP anomal and did not test it
- Metasediments with sulfides outcrops found on anomaly could explain the IP; some Cu anomalies found in wackes boulders indicate these could also host Cu mineralization



Eleonore/JV Copper Showings

EJV2018TR001-R3: 2.48% Cu, >100 g/t Ag / 1.0m (channel)

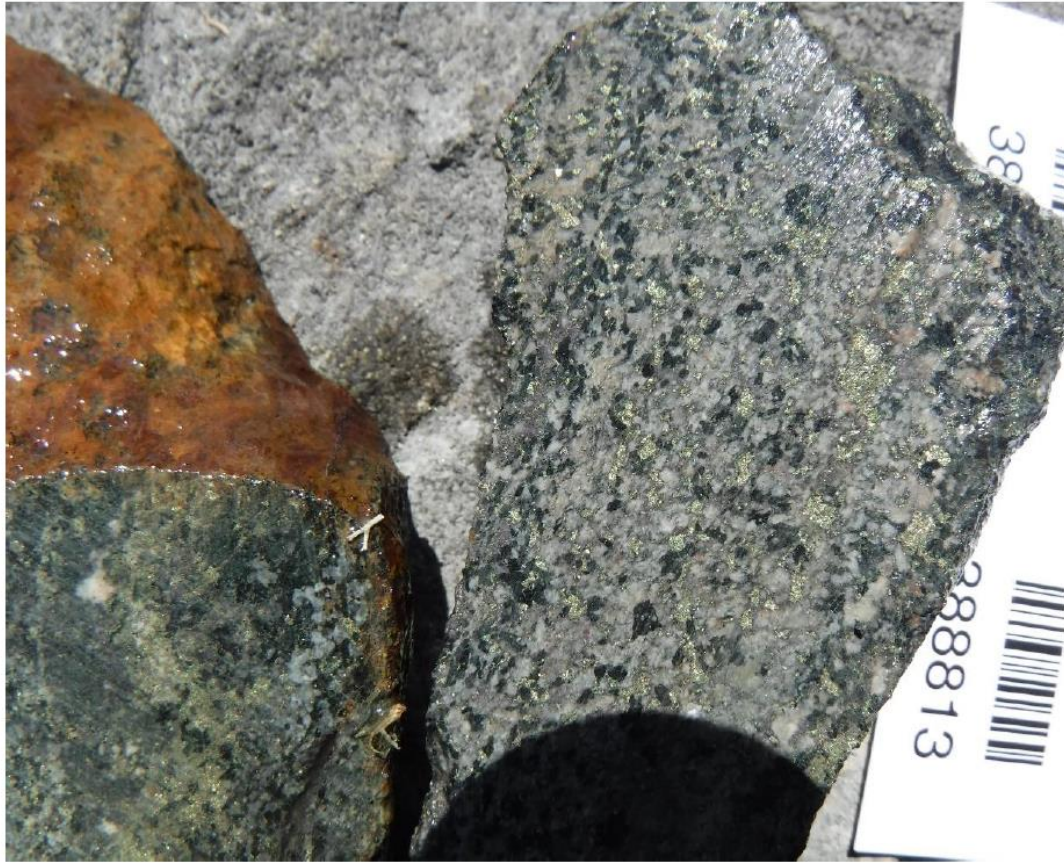


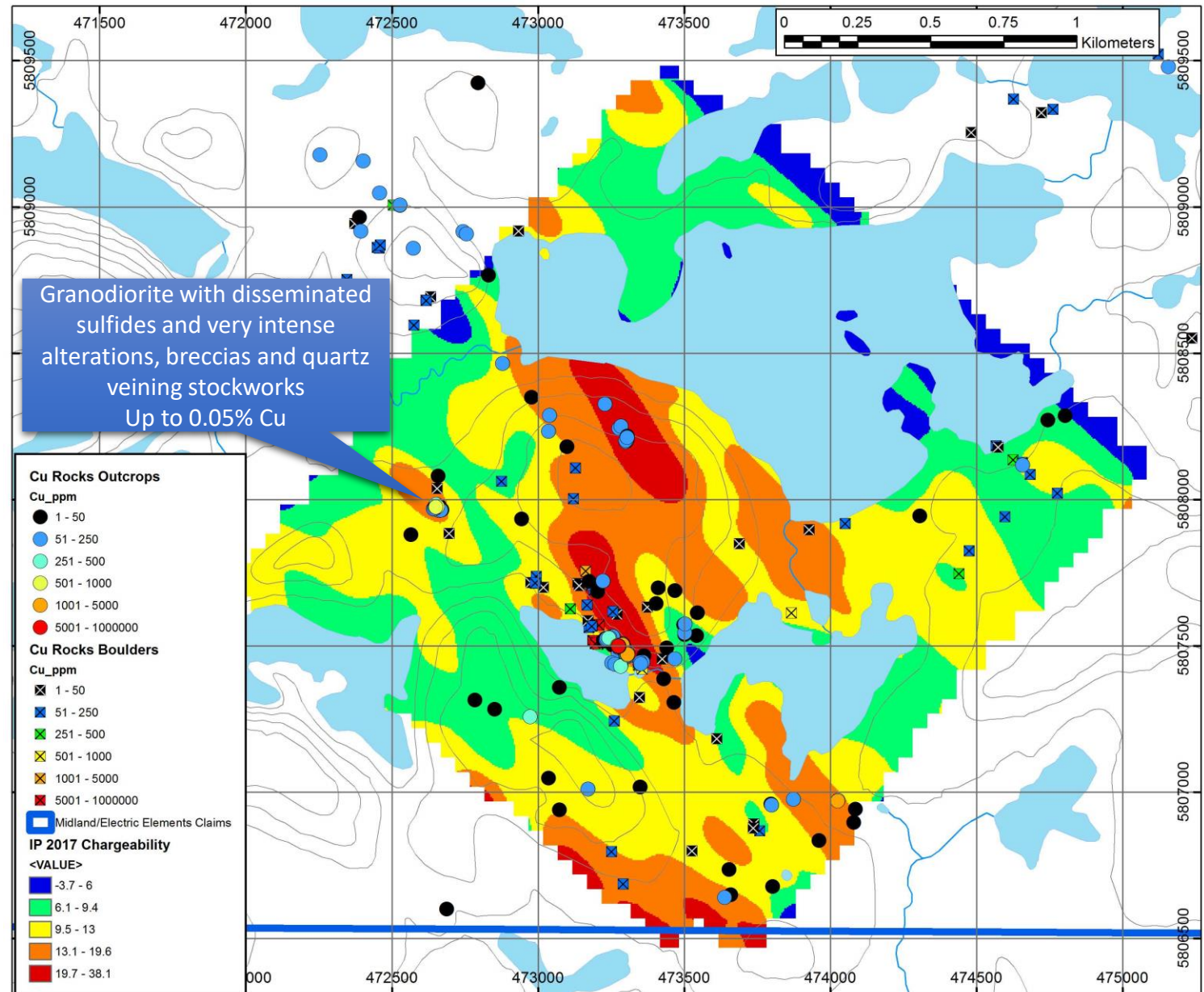
Figure 13: EJV2018TR004-R3 Medium grained diorite affected by epidote alteration and carrying 3-5% chalcopyrite, 3 % pyrite



Figure 12: EJV2018TR004-R3 Diorite affected by epidote alteration and carrying 3-5% chalcopyrite, 3 % pyrite

Eleonore/JV Copper Showings

- Trenching and channels on another IP chargeability anomaly to the west also revealed anomalous Cu values in granodiorite
- **Very intense alterations in chlorite-hematite-magnetite-epidote and potassic-feldspar were found, along with silicified hydrothermal breccias (see next slide)**
- **Alterations typical of magmatic-hydrothermal (porphyry) systems**
- **The strongest part of the IP anomaly could not be reached because of overburden -- Drilling target**



Western IP Anomaly Channels

Intense brecciation and silicification



Strong epidote-chlorite alteration with quartz veining



Figure 17: EJV2018TR007-R1; Intense silicification and hydrothermal breccia over 3 meters.

Western IP Anomaly Channels

Intense quartz stockworks

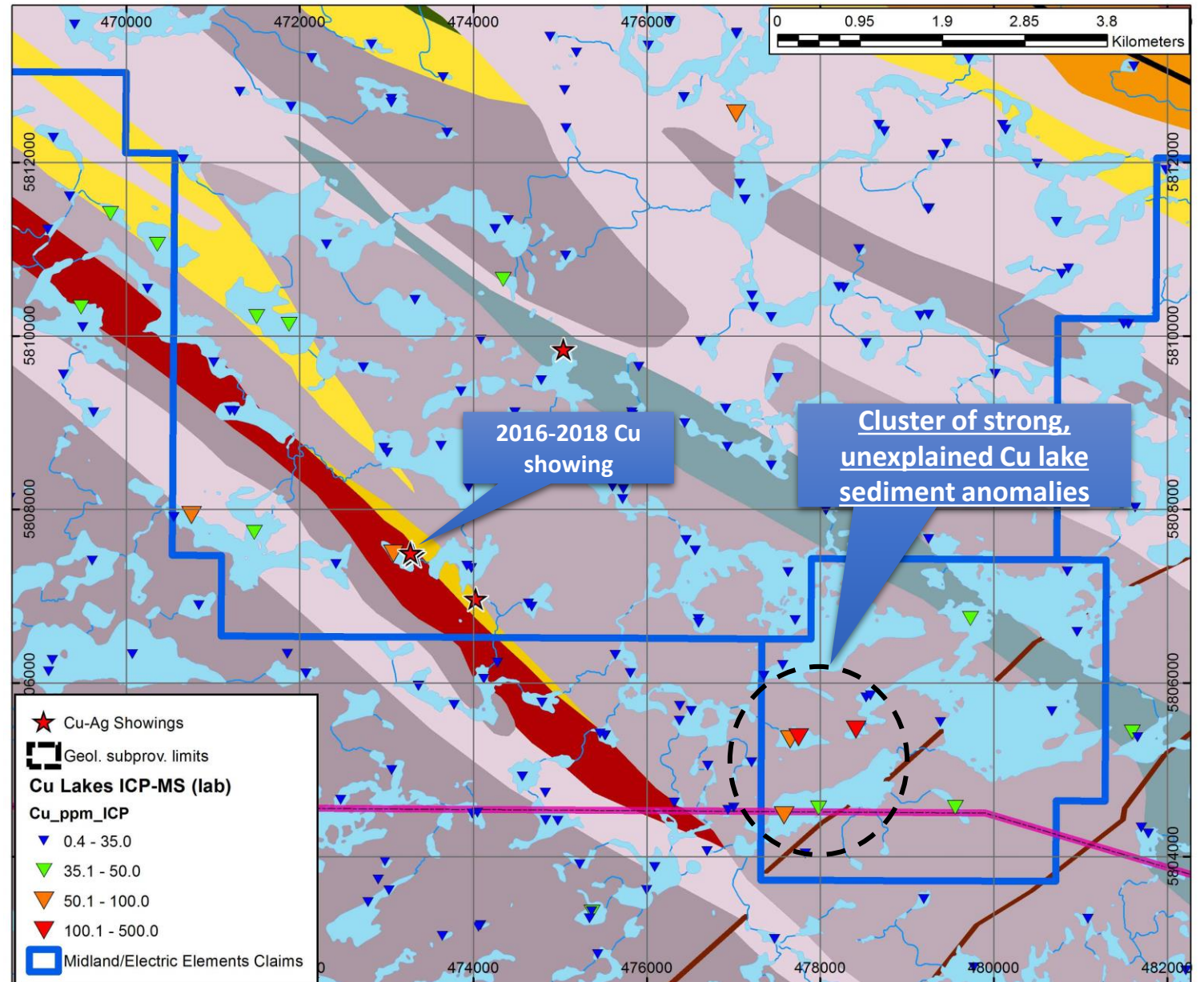


Potassic-Hematite alteration with intense quartz veining



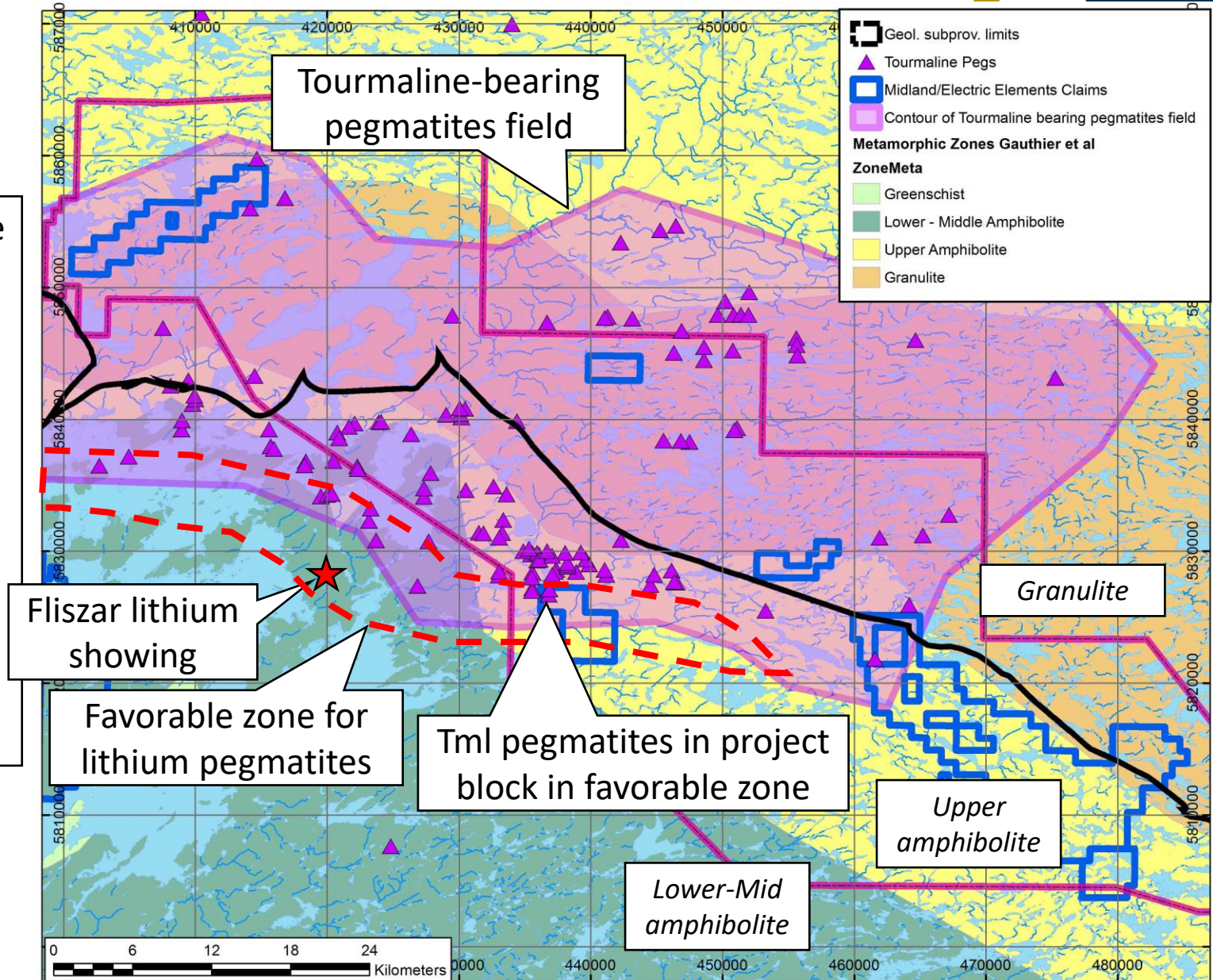
Eleonore/JV Cu Lake Sediment Anomalies

- Cluster of **strong Cu lake sediment anomalies** on a 2023 Qc Government survey and on the 2016 Midland-Osisko lake sediment survey
- Located about 5km southeast of the 2016-2018 copper showings, in an area with no previous exploration
- **These anomalies are unexplained**



Eleonore/JV Lithium Potential

- Lithium pegmatites in James Bay tend to be located **at the edge of large tourmaline-bearing pegmatite fields, toward less metamorphosed rocks**
- The Fliszar lithium showing is located in such a setting
- The central block of the project is located in the favorable zone. Tourmaline-bearing pegmatites in that area have never been sampled for lithium



Eleonore/JV Gold Mineralization

- Large footprint of gold anomalies in rocks (outcrops and boulders) over more than 8km, in paragneiss and amphibolite in the central part of the southern block,
- In the La Grande subprovince, close to the Opinaca - La Grande boundary to the east --> **Favorable area for gold**
- No drilling or IP geophysics ever done in that area

