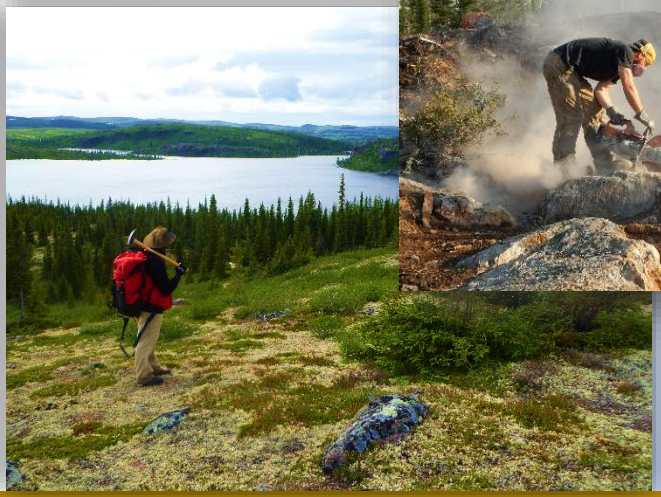
MIDLAND EXPLORATION

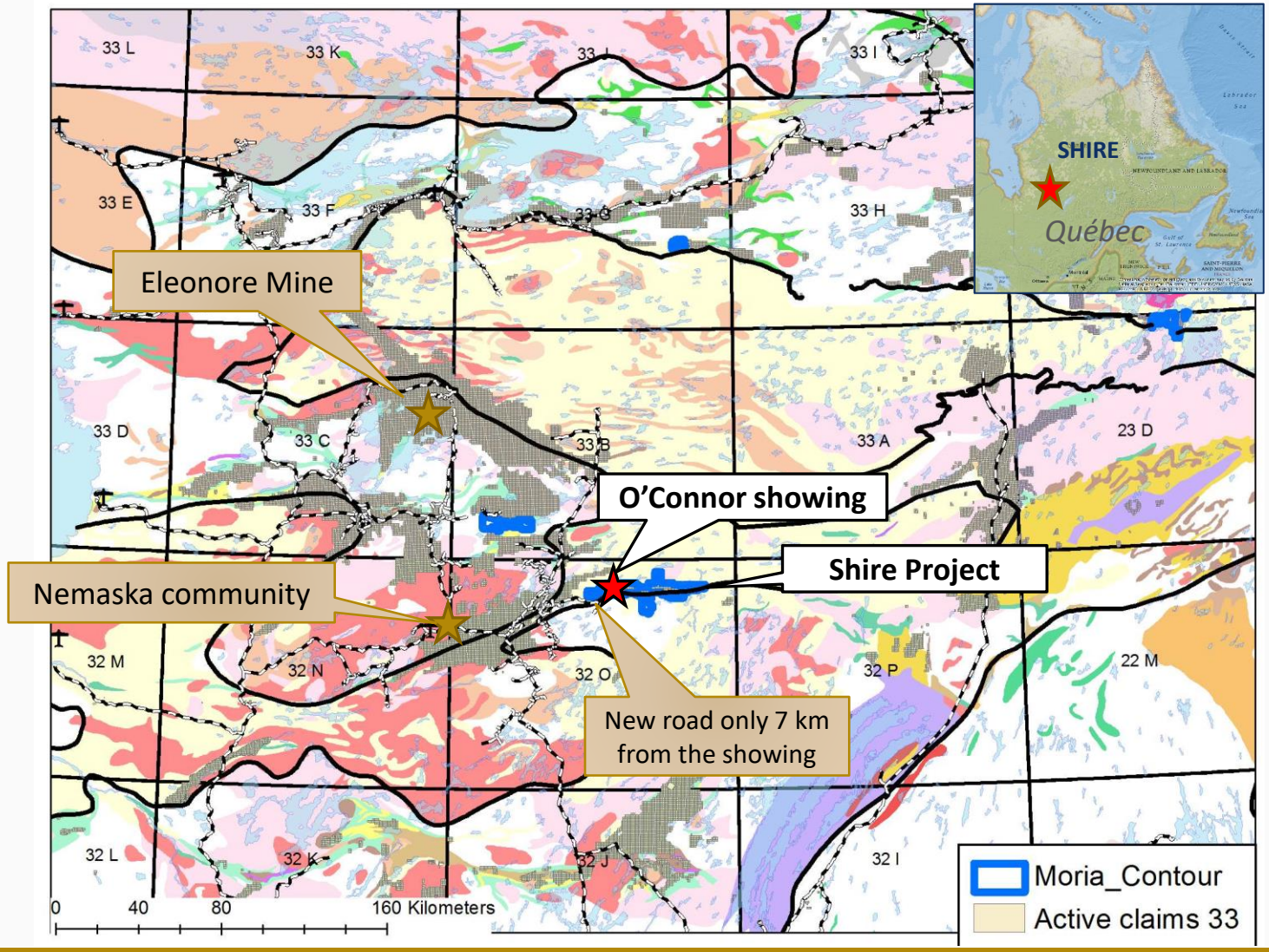
TSX-V:MD

Shire Zn Project



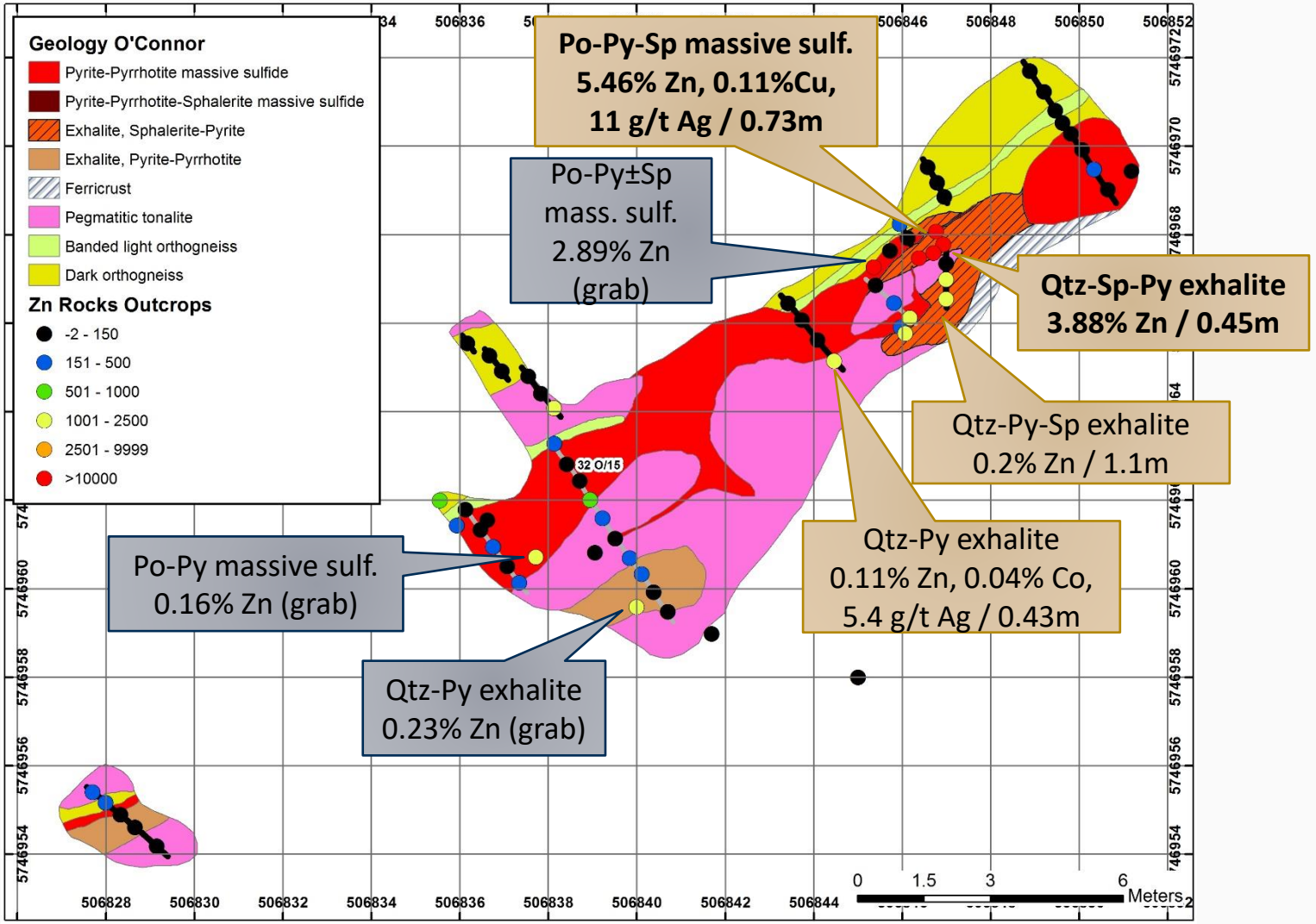
June 2021

Shire Project Location



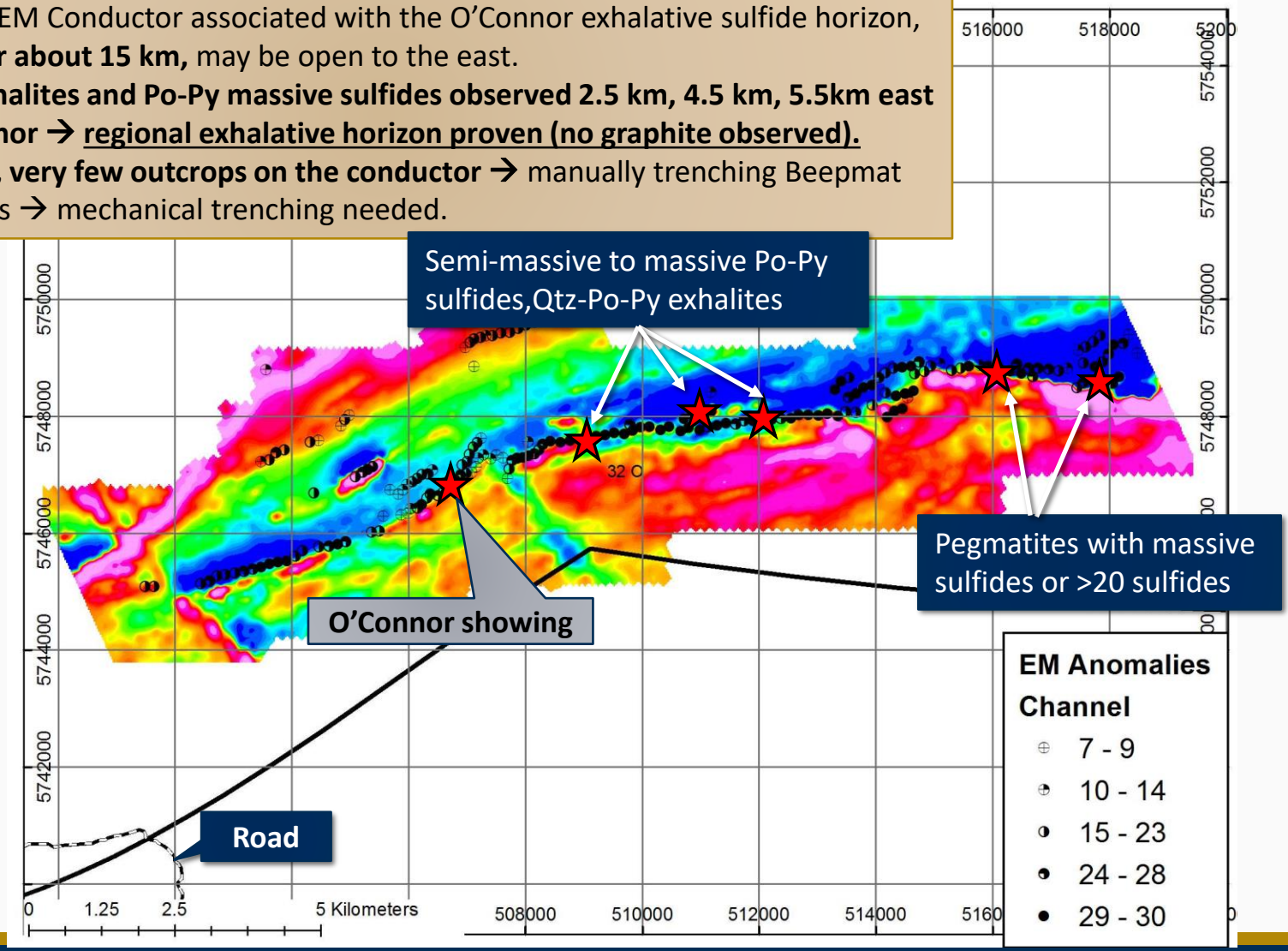
O'Connor Showing – View From the Air

Channels on O'Connor – August 2018



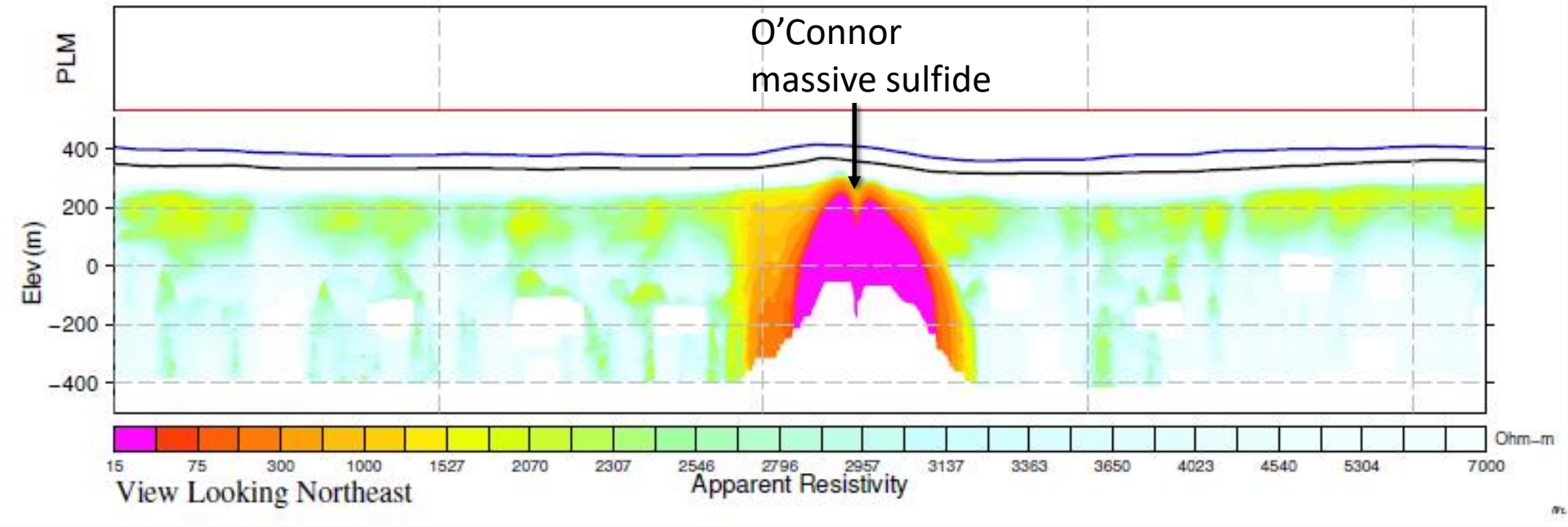
Shire EM Survey and Prospection

- Regional EM Conductor associated with the O'Connor exhalative sulfide horizon, **traced for about 15 km,** may be open to the east.
- **Po-Py Exhalites and Po-Py massive sulfides observed 2.5 km, 4.5 km, 5.5km east of O'Connor → <u>regional exhalative horizon proven (no graphite observed).</u>**
- However**, very few outcrops on the conductor →** manually trenching Beepmat anomalies → mechanical trenching needed.



Shire EM Survey - Resistivity Depth Imaging

EM response associated with O'Connor



Shire – Highlights

- New VMS Zn showing ("O'Connor") discovered in 2017: up to **7.53% Zn** in grab samples, and **4.85% Zn / 1.17 m** in channels. Massive sulfides and quartz-rich exhalite.

- 2017 VTEM identified a regional conductive horizon that is at least 15 km long, hosts to the O'Connor showing. Po-Py massive sulfides, up to 30 meters thick, discovered at several additional locations along that horizon. No graphite was observed (all sulfides).

- Suggests a previously unknown, regional-scale VMS exhalative event on the project.