

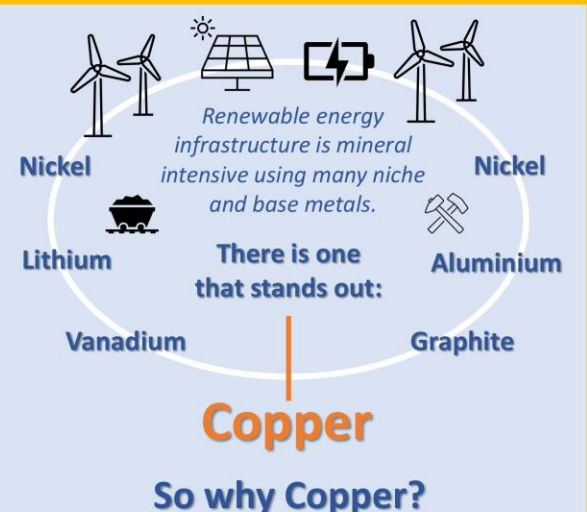


TERTIARY MINERALS PLC

PROJECT FOCUS MUKAI COPPER PROJECT

“Exploring for Tier 1 deposits in elephant county.....”

Copper - The clean energy transition metal



So why Copper?

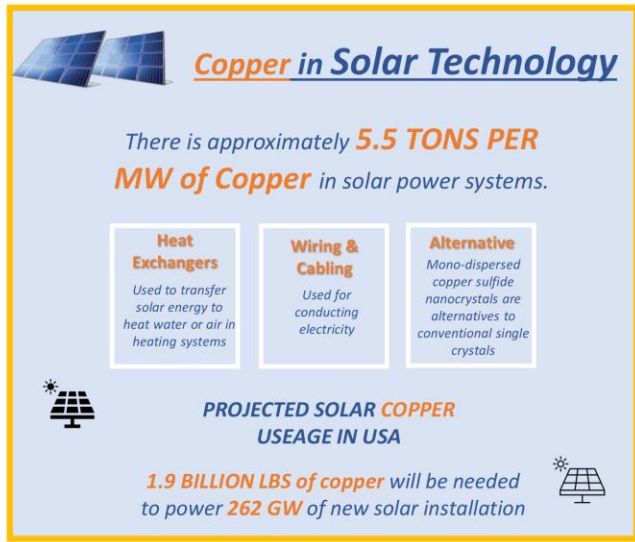
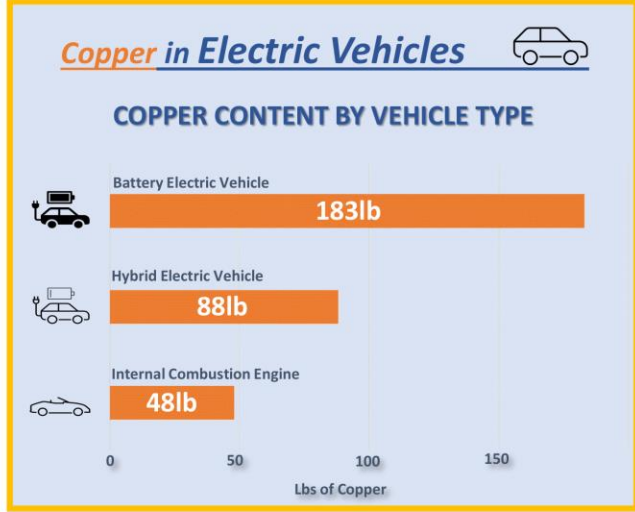
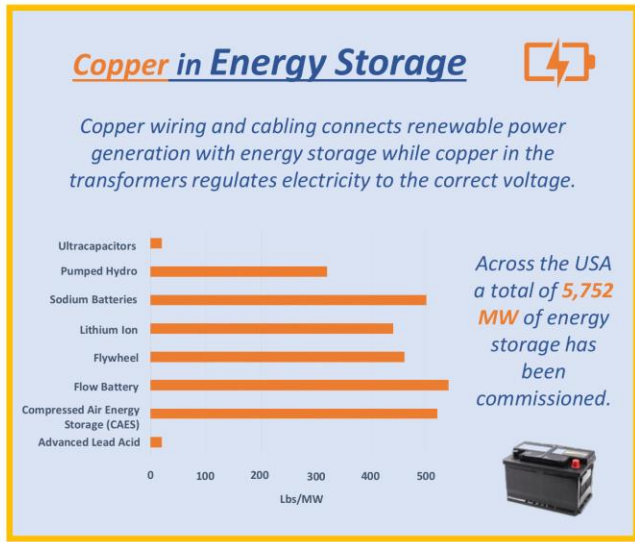
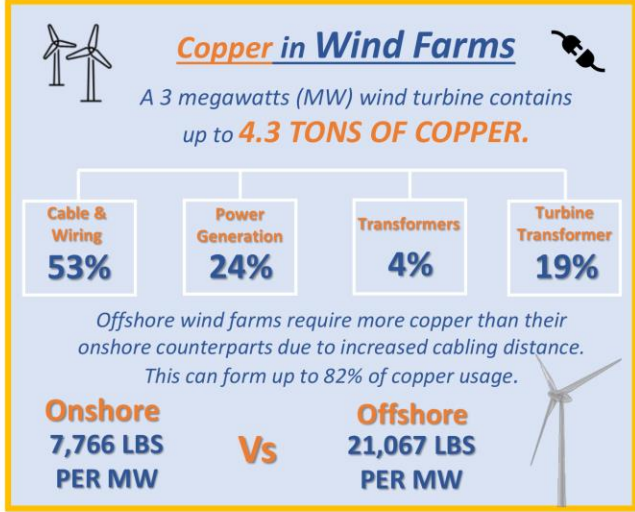
Copper has superior properties that allow it to be used in renewable energy.

- Conductivity**
Low resistance to electron flow meaning it is a good thermal and electrical conductor.
- Ductility**
Copper's high ductility allows it to be bent and stretched into wires and sheets for electrical uses.
- Efficiency**
To achieve the same equipment electrical efficiency other conductors would require 20% more materials.
- Recyclability**
Copper is 100% recyclable and easily recoverable so can be reused without losing its superior properties.

These properties make copper a critical material for the transition to a clean energy economy



The generation of clean energy from wind and solar requires 4-6 times more copper than fossil fuels.



Mukai Project - Summary



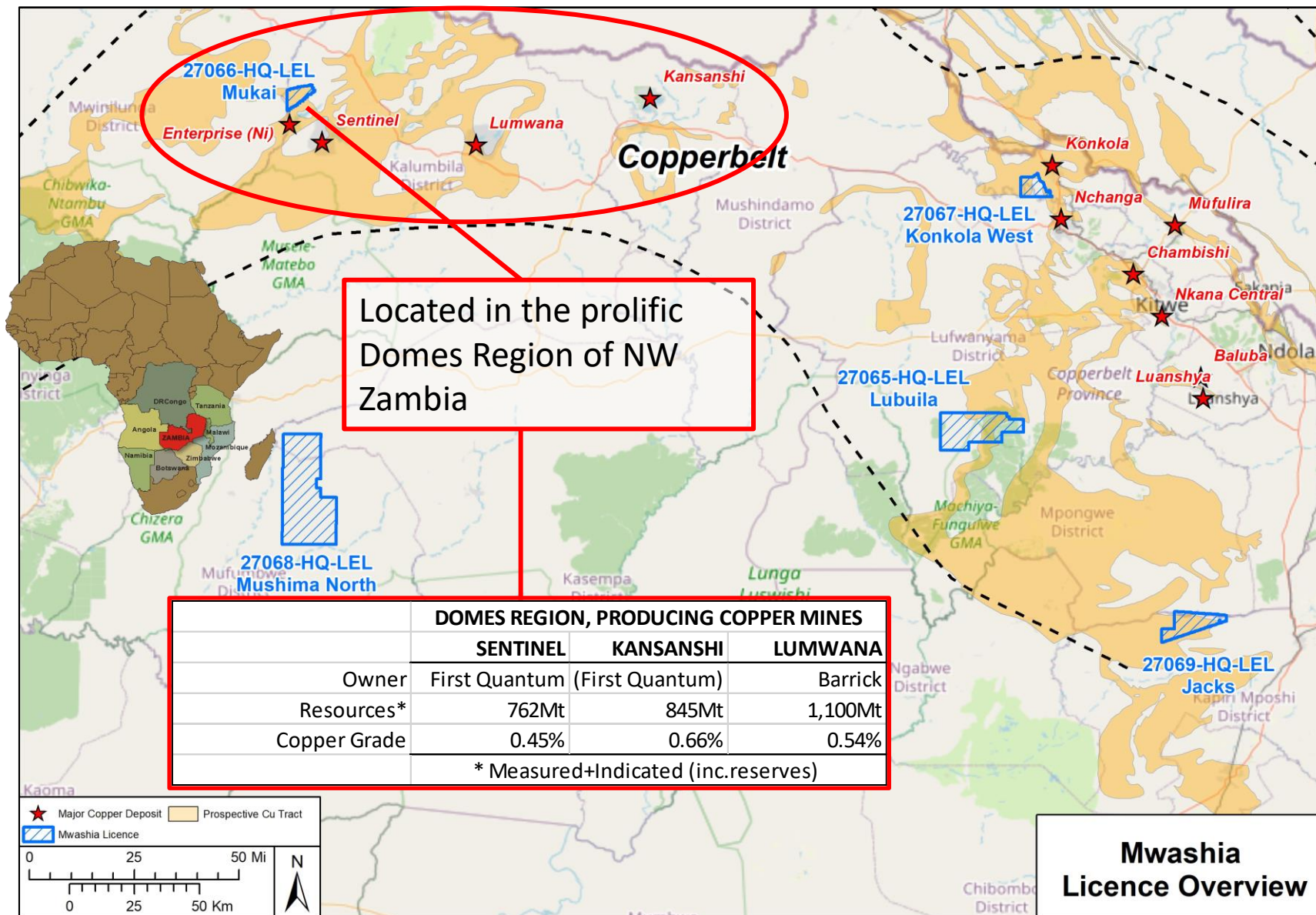
- Copper is the No.1 metal needed for the clean energy transition.
- Mukai Prospect is located:
 - adjacent to First Quantum Minerals' (FQM) Trident Project, which includes the giant Sentinel Copper Deposit and integrated copper concentrator and refinery and the newly opened Enterprise Nickel Mine.
 - close to Arc Minerals' \$88.5 million Zambia Copper Project JV with Anglo American.
- Included in Tertiary's *Data Sharing & Technical Cooperation Agreement* with FQM. Extensive project data now provided by FQM.
- Trident mines host rock sequence and copper and nickel soil anomalies successfully targeted by FQM on Mukai licence boundary at FQM's Tirosa Prospect. Drilling intersected copper mineralisation on project boundary.
- 1960s soil sampling shows copper soil anomaly on FQM's Tirosa Copper-Nickel Prospect continues into Mukai Project area as a prime target.
- Follow up soil sampling planned as soon as environmental permits approved.



First Quantum Minerals Sentinel Copper Mine
& Processing Plant



Mukai Project – Elephant Country



Mukai Project - The Right Address

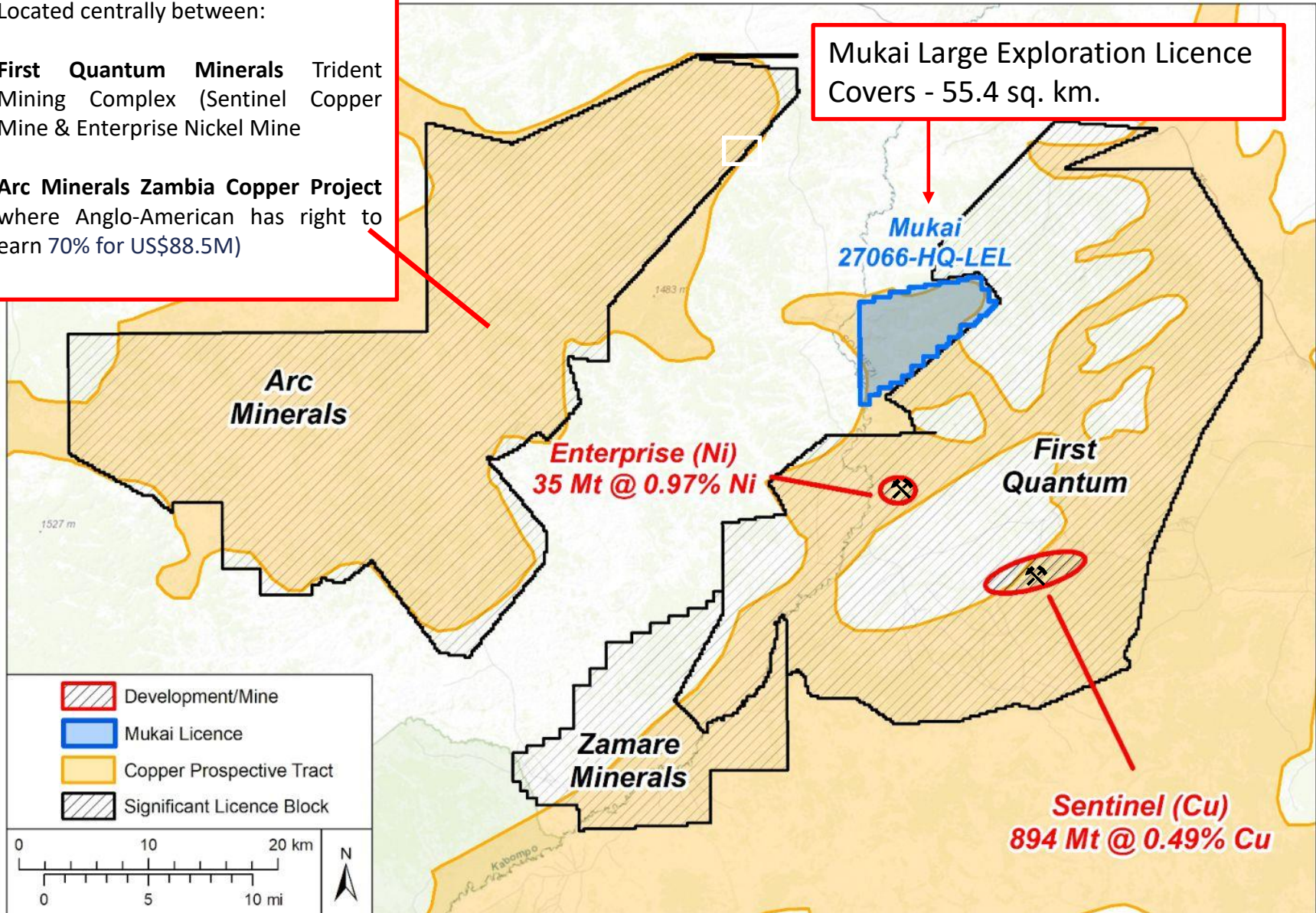


Located centrally between:

First Quantum Minerals Trident Mining Complex (Sentinel Copper Mine & Enterprise Nickel Mine)

Arc Minerals Zambia Copper Project where Anglo-American has right to earn 70% for US\$88.5M)

Mukai Large Exploration Licence Covers - 55.4 sq. km.



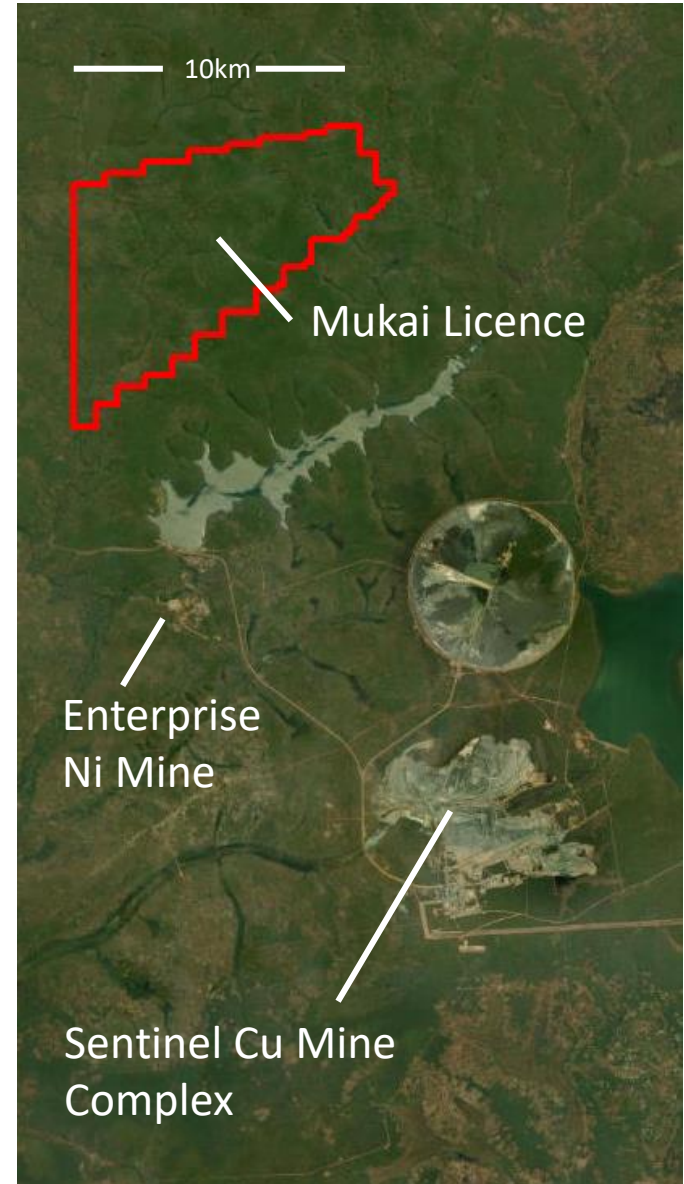
Mukai Project - Agreement with FQM

In September 2022 Tertiary and global copper producer First Quantum Minerals signed a *Data Sharing & Technical Cooperation Agreement* for Mukai and Mushima North Projects whereby:

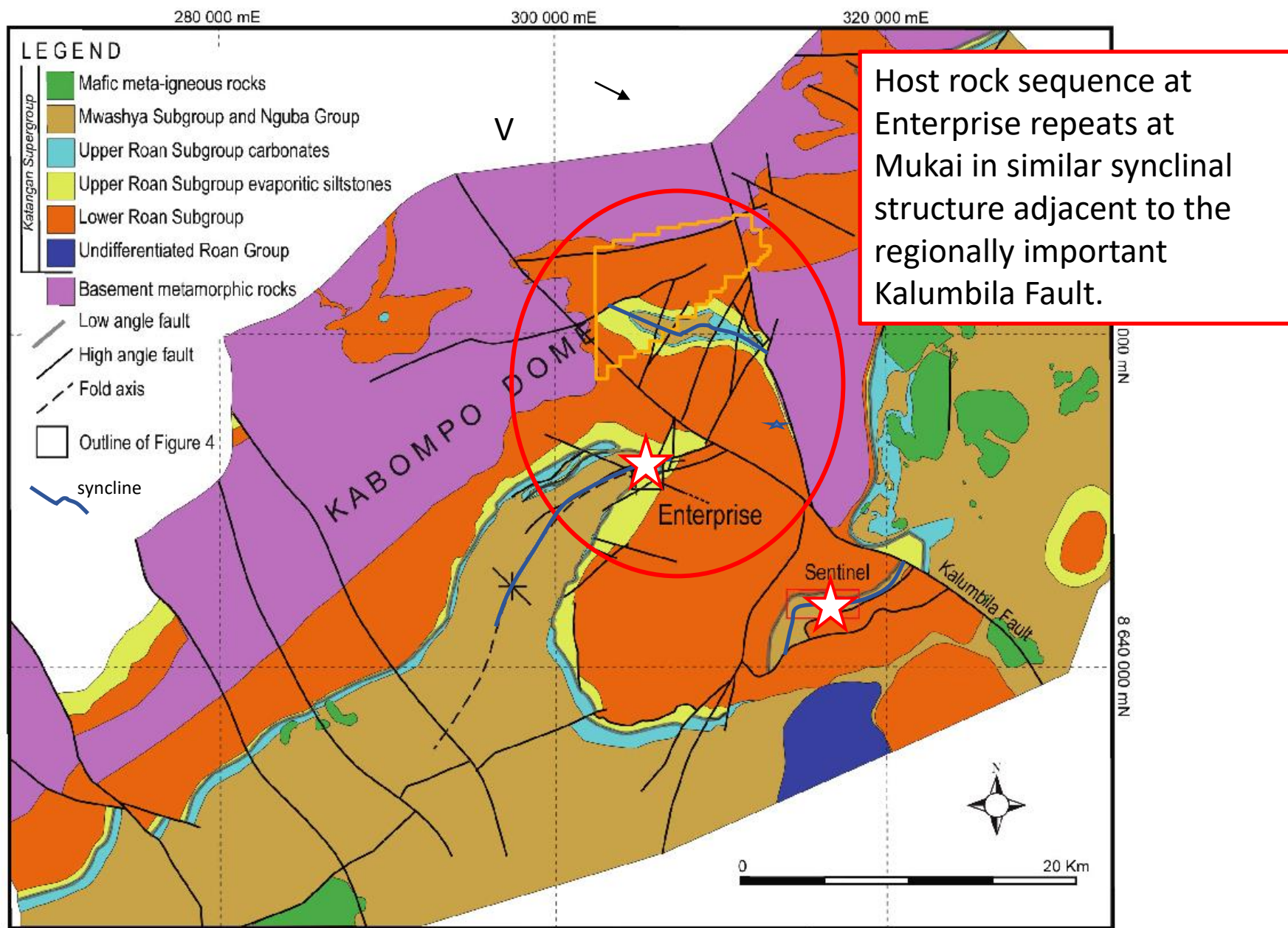
- FQM has provided Tertiary with all of its historical exploration data for the two licence areas and Tertiary will submit its exploration results to the Technical Committee on an ongoing basis.
- FQM & Tertiary have established a Technical Committee with the objective to work collaboratively with respect to advancing exploration and development of the Projects.
- The Technical Committee will advise and assist Tertiary in relation to all technical matters relating to the Projects.

Data provided by FQM for the Mukai Project includes:

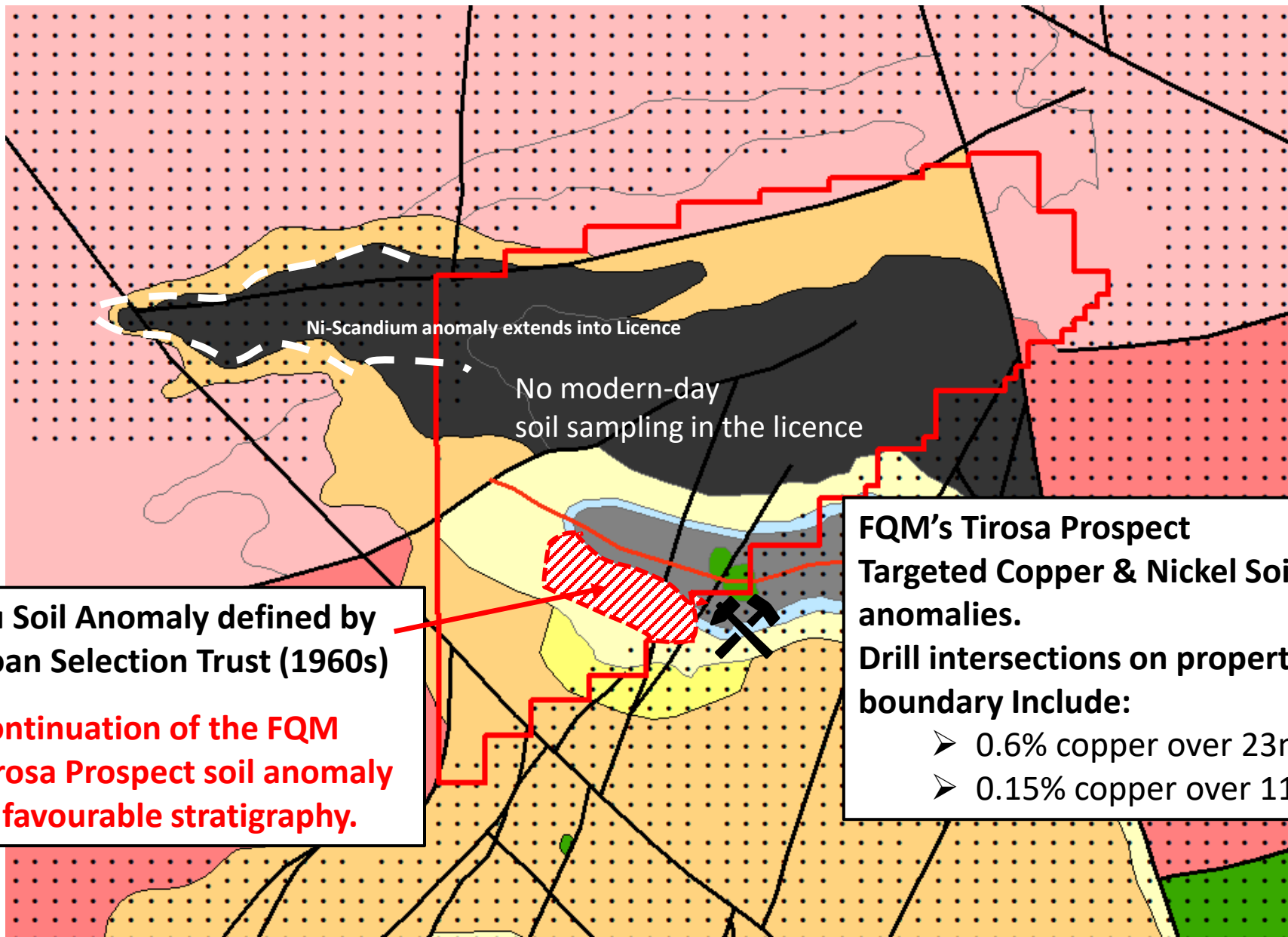
- Geological mapping & interpretation
- Airborne magnetics, electromagnetics and radiometrics
- Soil sample results from immediate adjacent areas
- Drilling results from immediately adjacent **Tirosa Project**



Mukai Project - Prospective Geology



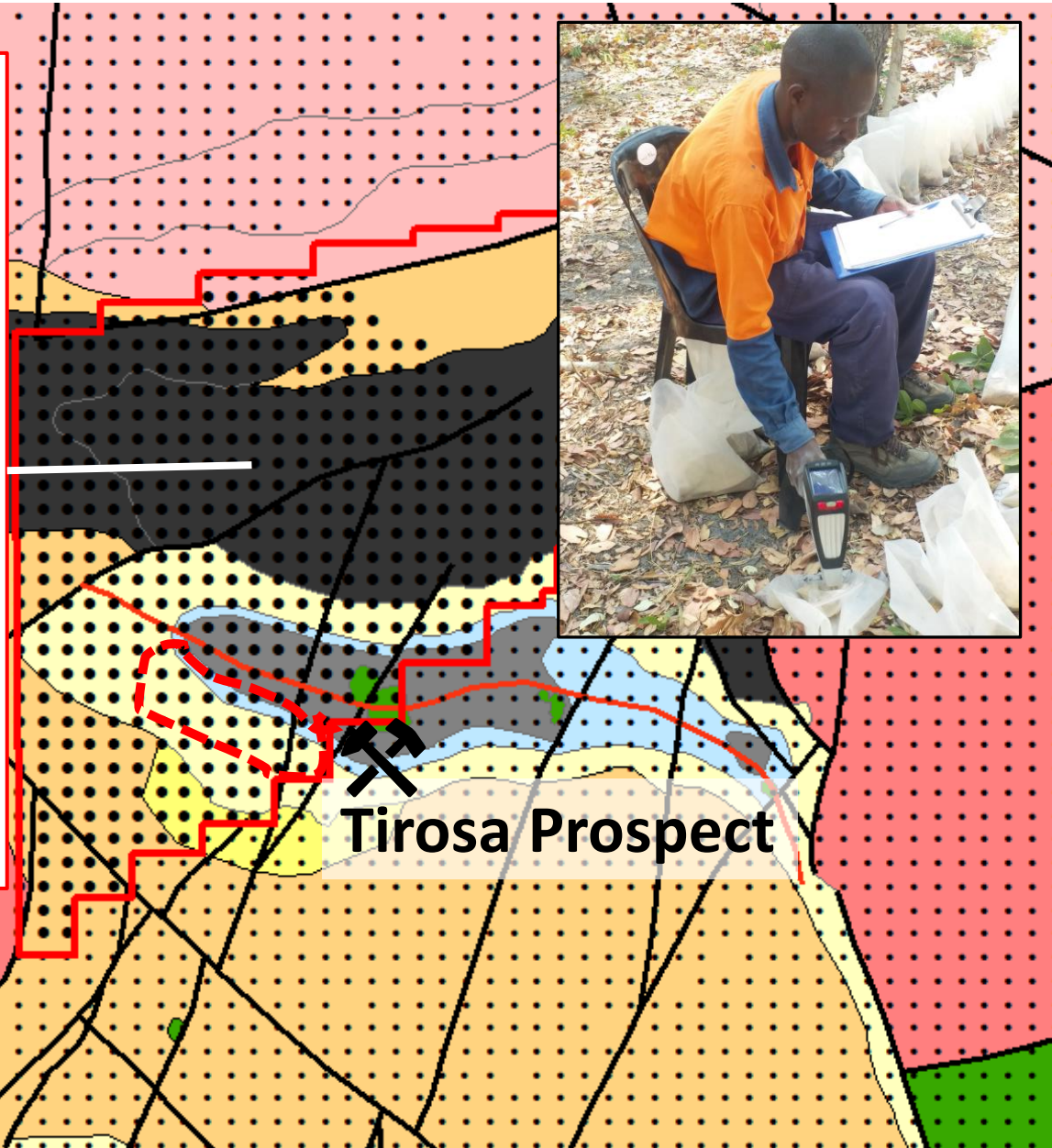
Mukai Project - Priority Targets



Mukai Project - Next Steps



- Follow up soil sampling planned as soon as Environmental Project Brief approved and Forrest Permit obtained.
- 475 samples to be collected on 300m x 300m grid with field pXRF analysis returning real time copper and nickel values, allowing immediate follow up on tighter sampling grid.
- Anticipate follow-up drilling in 2023.





TERTIARY MINERALS PLC

Company Presentation
17 January 2023



Drilling at Jacks Project, Zambia

Further details of the Company's wider portfolio of copper exploration projects in Zambia and Nevada USA can be found in the January 2023 Investor Presentation at:

<https://www.tertiaryminerals.com/presentations>