



TERTIARY MINERALS PLC

PROJECT FOCUS KONKOLA WEST COPPER PROJECT

January 2023

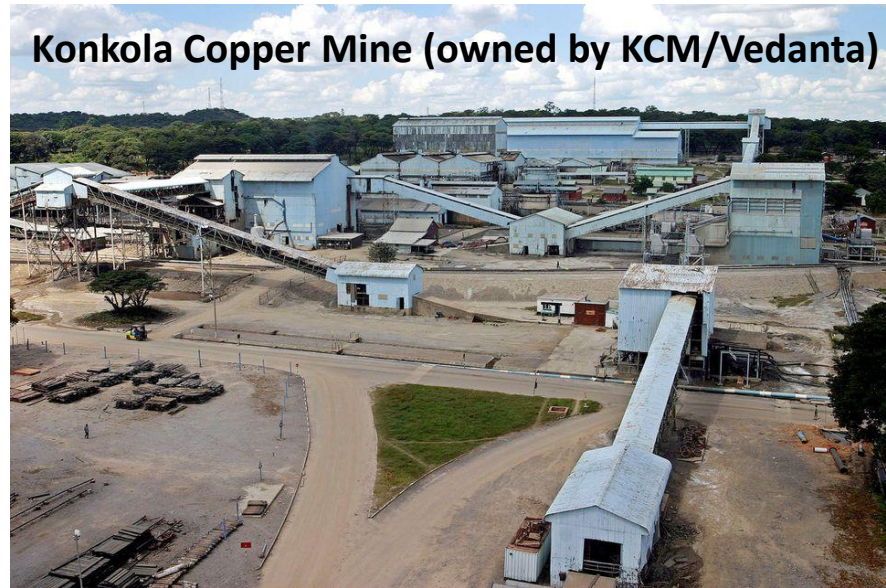
*“Exploring in the shadow of the
headframe.....”*



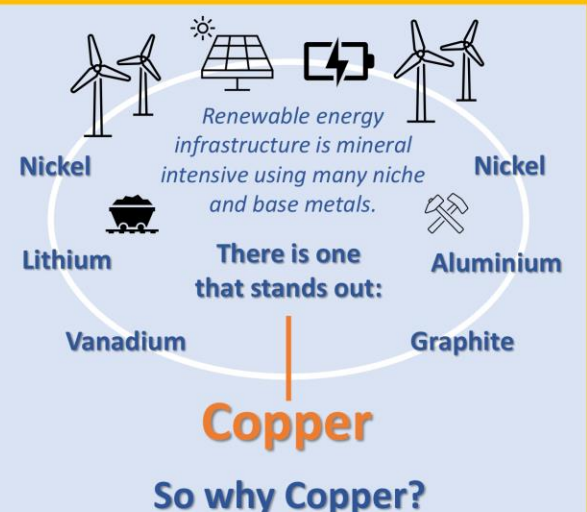
Summary



- Copper is the No.1 metal needed for the clean energy transition.
- Konkola Mining Area is now at the forefront of the clean energy transition following KoBold Metals announcement (December 2022).
- KoBold Metals to inject \$150 million into development of deep copper resources in the Mingomba deposit (250 million tons @3.8% copper).
- Mingomba is central to the >15km long continuous high grade Musoshi-Konkola copper ore being mined at Musoshi (DRC), Lubambe (EMR Capital/ZCCM) and Konkola - Konkola Deeps (Konkola Copper Mines plc/Vedanta)
- Musoshi-Konkola deposits have pre-mining endowment of >775 million tons of high-grade copper ore.
- **Tertiary's Konkola West Project has potential to host projected very deep but intact extensions of the Musoshi-Konkola deposits**
- KoBoldMetals shareholders include BHP and Breakthrough Energy Ventures a company founded by Microsoft's Bill Gates and which includes Amazon's Jeff Bezos and virgin's Richard Branson as investors.



Copper - The clean energy transition metal



So why Copper?

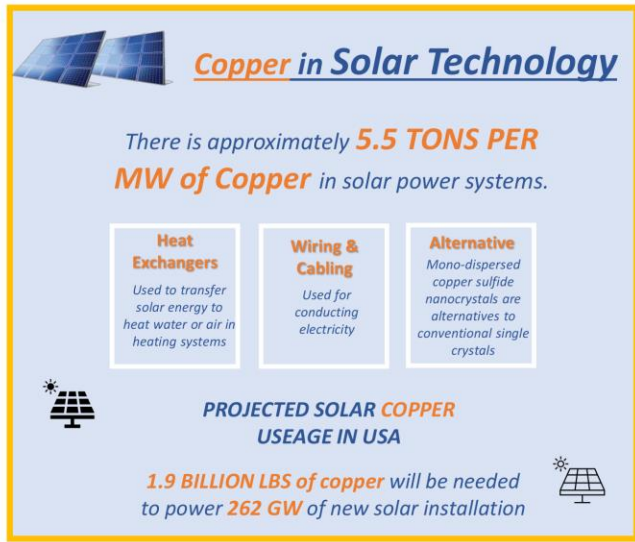
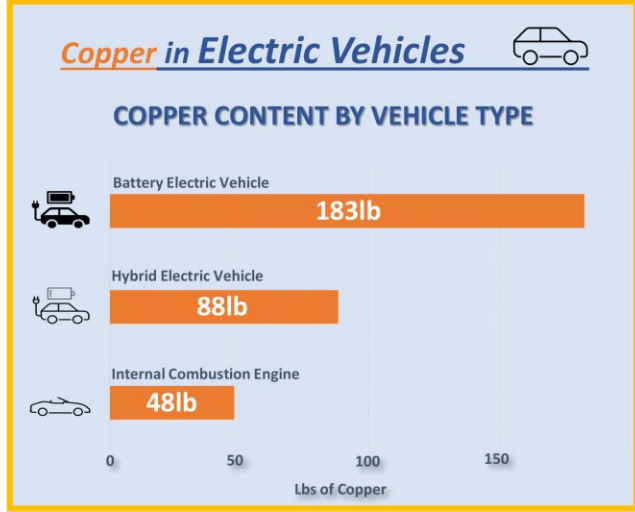
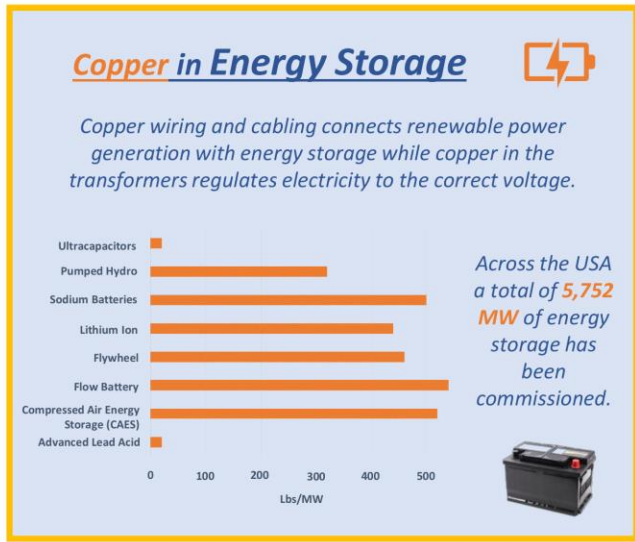
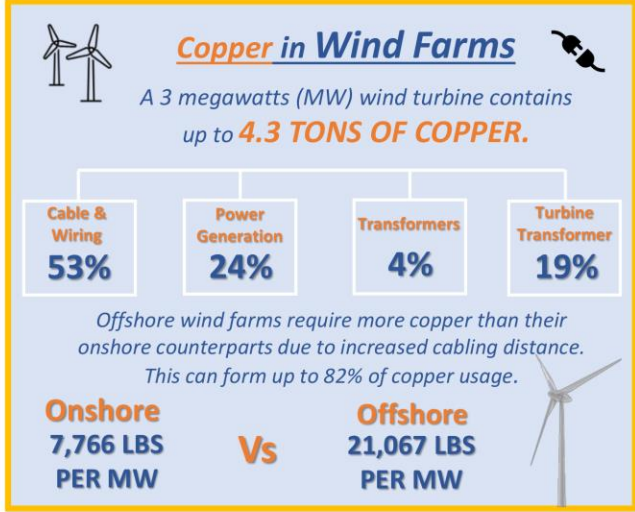
Copper has superior properties that allow it to be used in renewable energy.

- 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.

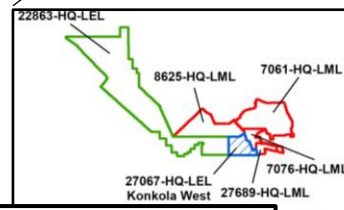
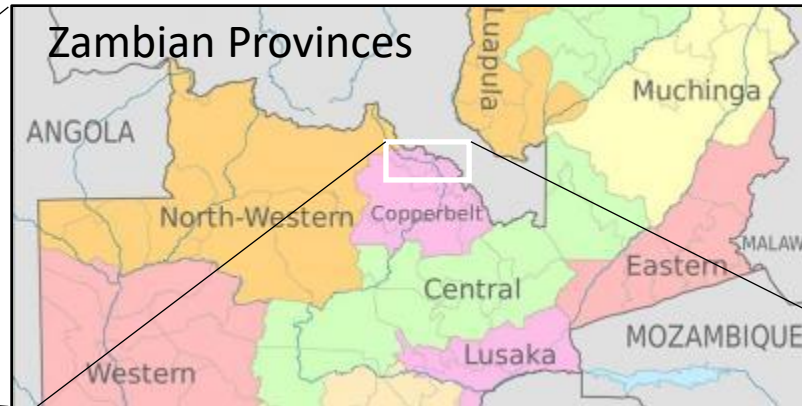
These properties make copper a critical material for the transition to a clean energy economy



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



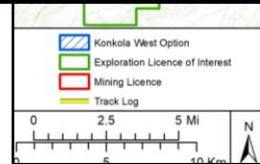
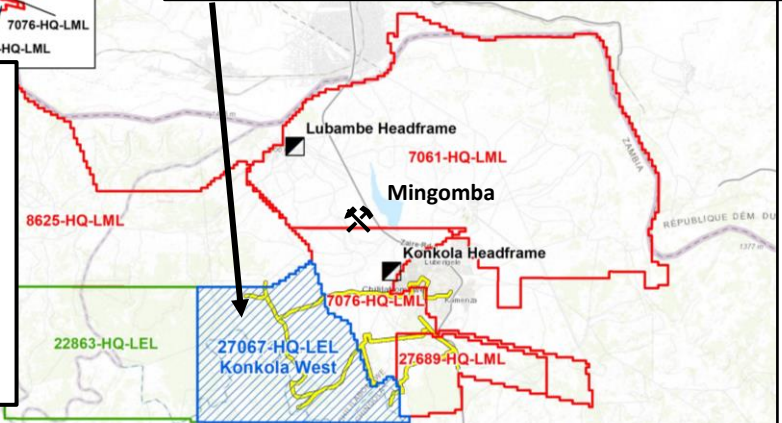
Konkola West – Location



**Konkola West Large Exploration Licence
Covers -72 sq. km.**

Located in the heart of the Zambia Copper Belt

- Excellent road rail and air links
- Adjacent to the Konkola Copper Mine & Concentrator and the Lubambe Copper Mine & Concentrator



TERTIARY MINERALS
Mukal Option and Local Licences
Author: J. Chatham Date: 27th Oct 2021

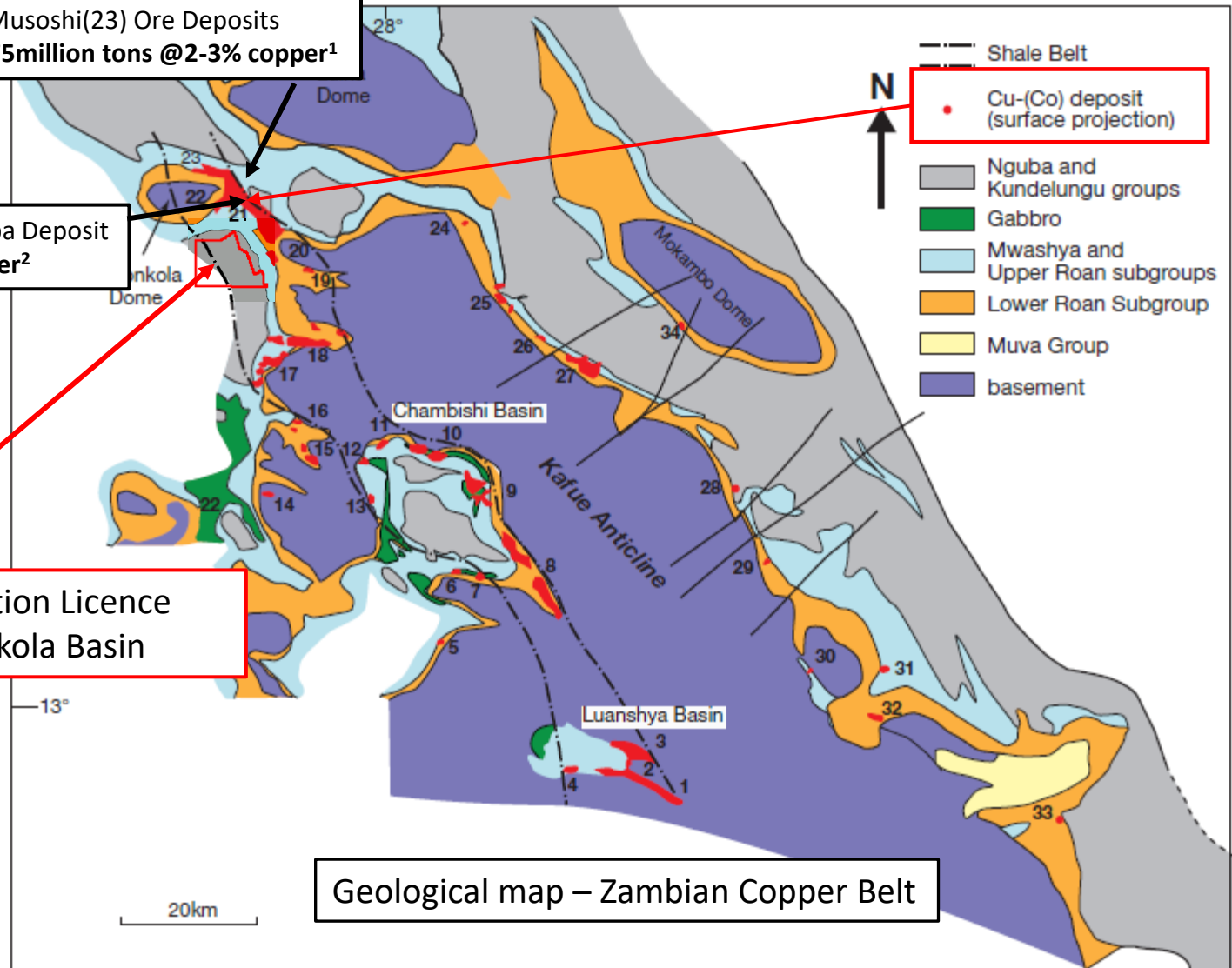
Konkola West – Regional Geological Setting



Konkola (21)-Lubambe (22)-Musoshi(23) Ore Deposits
Pre-mining endowment: **>775million tons @2-3% copper¹**

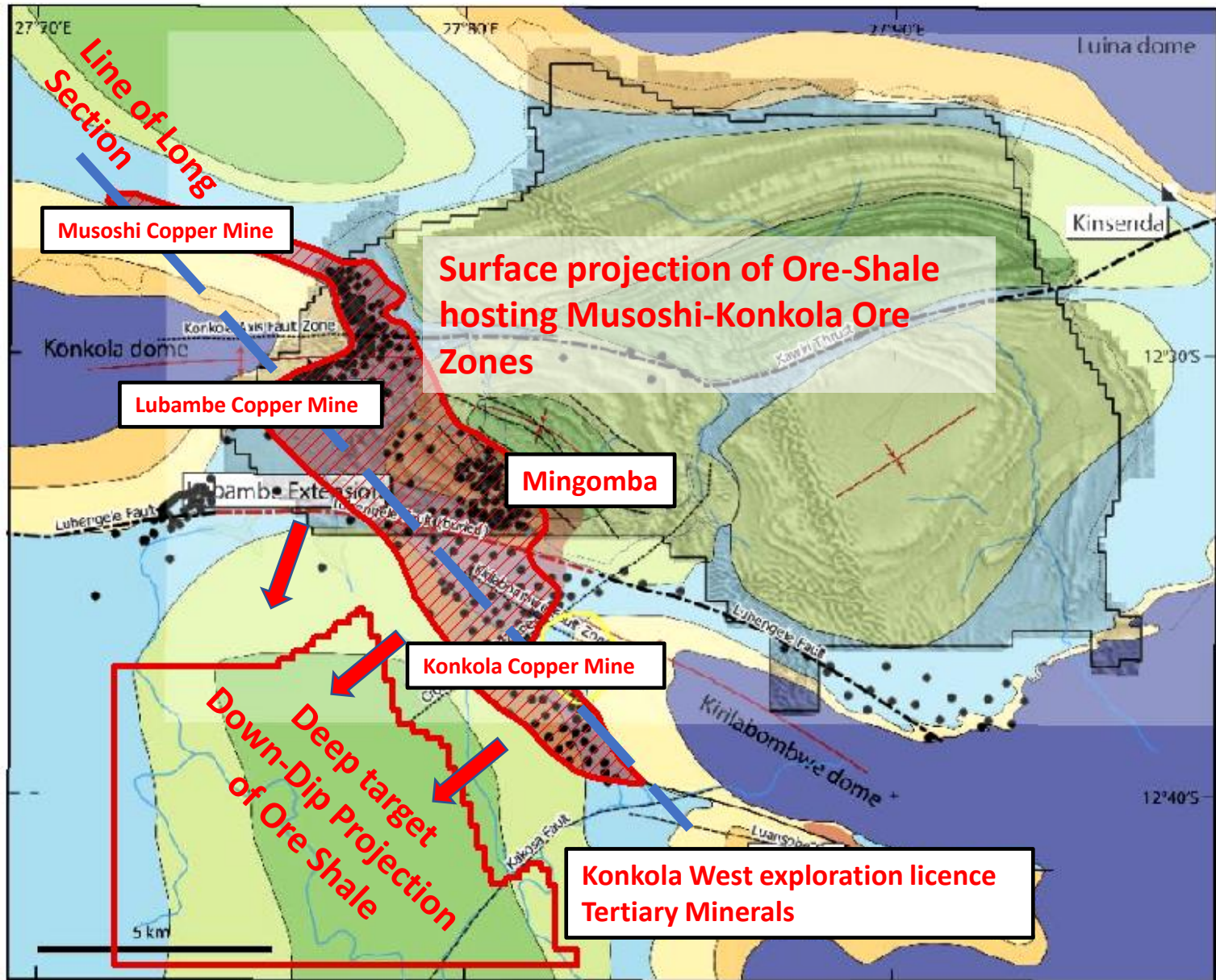
KoBold/EMR/ZCCM Mingomba Deposit
Resource **250Mt@3.8% copper²**

Konkola West Exploration Licence
Covers NE part of Konkola Basin

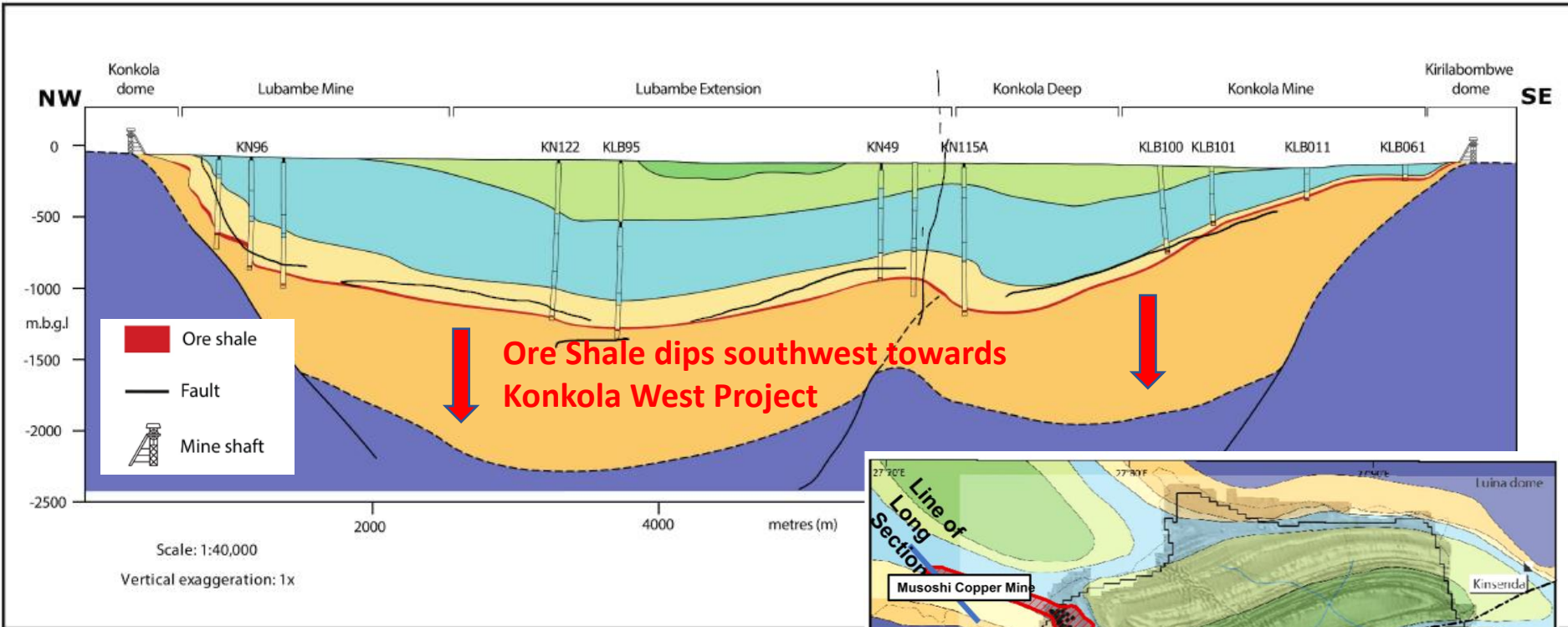


1. Source: United States Geological Survey, 2010. Scientific Investigations Report 2010–5090.
2. Source: Stacey, J. 2020. Deep Exploration at the Lubambe Extension, Mwale Symposium.

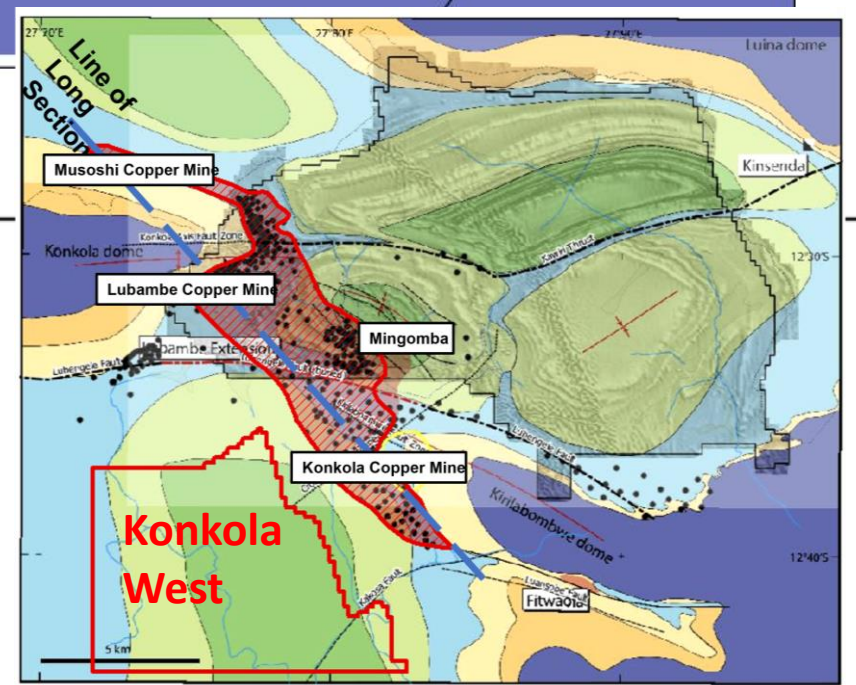
Konkola West – Deep Target



Lubambe-Mingomba-Konkola Long Section



Nguba Group: diamictite, limestone, dolomite, and siltstone	Lower Roan Group - Kitwe Formation: sandstone and siltstone including ore shale
Mwashia Group: siltstone, shale and dolomite	Lower Roan Group - Mindola Clastics Formation: sandstone and conglomerate
Upper Roan Group - Bancroft Formation: dolomite, siltstone, and breccia	Basement Complex: granite, gneiss, schist and quartzite



Next steps could include: Seismics, detailed mapping & basin modeling to determine depth to target.

TYM : Latest Company Presentation



Further details of the Company's wider portfolio of copper exploration projects in Zambia and Nevada USA can be found in the December 2022 Investor Presentation at: <https://www.tertiaryminerals.com/presentations>

 **TERTIARY
MINERALS** PLC

Investor Presentation

December 2022



Drilling at Jacks Project, Zambia

KoBold Metals Mingomba Announcement



KoBold President Josh Goldman, EMR Capital EMR Executive Chairman Owen Hegarty, U.S. Commerce Secretary Gina Raimondo, Zambian Minister for Mines and Minerals Development Paul C. Kabuswe, and His Excellency Hakainde Hichilema, President of the Republic of Zambia joined together to announce KoBold's \$150 million Mingomba Deposit investment during the Biden Administration's 2022 African Leader's Summit in December 2022.

