# WORLD COPPER LTD.

TSXV: WCU OTCQB: WCUFF



ZONIA Fall 2024

Advancing and Developing the Zonia Project in Arizona, USA

## Forward Looking &

# **Cautionary Statement**

This presentation contains forward-looking statements and forward-looking information (collectively, "forward-looking statements") within the meaning of applicable Canadian and US securities legislation. All statements, other than statements of historical fact, included herein including, without limitation, statements regarding any potential increase in shareholder value through the acquisition of undervalued precious metal deposits for development, joint venture or later disposition, the potential to partner with mine developers to achieve production at any of the Company's properties (existing or future); the potential for the capital costs associated with any of the Company's existing or future properties to be low; the potential for the Company to outline resources at any of its existing or future properties, or to be able to increase any such resources in the future; concerning the economic outlook for the mining industry and the Company's expectations regarding metal prices and production and the appropriate time to acquire precious metal projects, the liquidity and capital resources and planned expenditures by the Company, the completion of the acquisition of the Zonia project; the anticipated content, commencement, timing and cost of exploration programs, anticipated exploration program results and the anticipated business plans and timing of future activities of the Company, are forward-looking statements. Forward-looking statements are based on a number of assumptions which may prove incorrect, including, but not limited to, assumptions about the level and volatility of the price of gold; the timing of the receipt of regulatory and governmental approvals; permits and authorizations necessary to implement and carry on the Company's planned exploration programs at its properties; future economic and market conditions; the Company's ability to attract and retain key staff; and the ongoing relations of the Company with its underlying lessors, local communities and applicable regulatory agencies.

Accordingly, the Company cautions that any forward-looking statements are not guarantees of future results or performance, and that actual results may differ, and such differences may be material, from those set out in the forward-looking statements as a result of, among other factors, variations in the nature, quality and quantity of any mineral deposits that may be located, the Company's inability to obtain any necessary permits, consents or authorizations required for its activities, material adverse changes in economic and market conditions, changes in the regulatory environment and other government actions, fluctuations in commodity prices and exchange rates, the inability of the Company to raise the necessary capital for its ongoing operations, and business and operational risks normal in the mineral exploration, development and mining industries, as well as the risks and uncertainties disclosed in the Company's most recent management discussion and analysis filed with various provincial securities commissions in Canada, available at www.sedar.com. The Company undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this presentation or to reflect the occurrence of unanticipated events except as required by law. All subsequent written or oral forward-looking statements attributable to the Company or any person acting on its behalf are qualified by the cautionary statements herein.

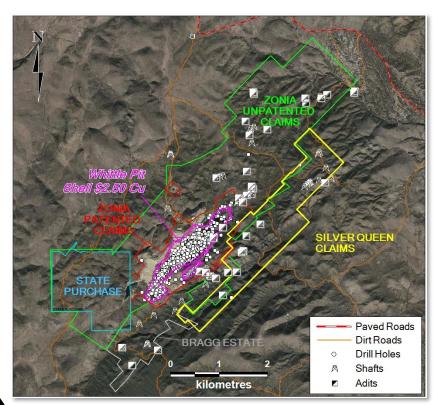
John Drobe, P.Geo., a Qualified Person as defined by National Instrument 43-101, has reviewed and approved the technical information contained in this presentation and has approved the disclosure herein. John Drobe is not independent of the Company, as he holds common shares of the Company.



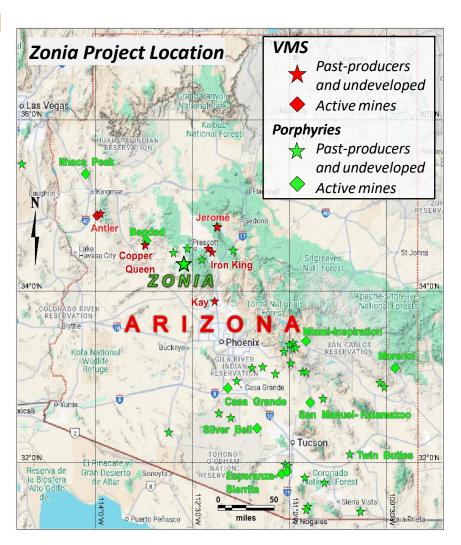
## **Project Location**

# **Central Arizona**

- Arizona responsible for 65% of US copper production
- \$4.87 billion impact on state economy
- 51,200 mining-related jobs annually



Permitting Advantage: Resource and Phase I production, contained within 100%-owned private land.



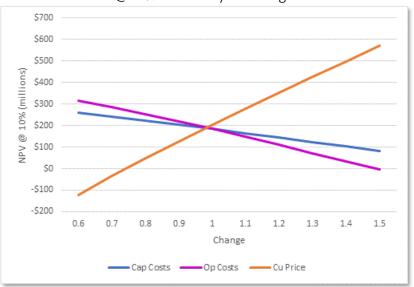


# **Preliminary Economic Assessment**

Base case uses \$2.00/lb Cu designed pit shell & \$3.00/lb Cu price

- After-tax NPV8% of \$192 million
- After tax IRR of 29%, with a 2.89-year payback of initial capital
- Initial capital cost of \$198 million
- Cumulative Net Cash Flow After Taxes of \$331 million

NPV@10% Sensitivity to Changes



PRODUCTION PROFILE								
Total Tons Leached	92.6 million							
Head Grade	0.30%							
Mine Life	8.6 years							
Payback Period	2.89 years							
Mill throughput	30,000 tpd							
Copper Recovery (oxide)	73%							
Copper Recovery (transition)	70%							
Total Copper Recovered	421.5 million lbs							
Average Annual Production	49.1 million lbs							

OPERATING COSTS					
Mining Costs	\$0.64/lb of copper				
Processing Costs	\$0.74/lb of copper				
G&A	\$0.08/lb of copper				

CAPITAL REQUIREMENTS						
Initial Capital	\$198million					
Sustaining Capital	\$40.8 million					

The PEA is preliminary in nature and includes inferred mineral resources that are too speculative geologically to have economic considerations applied to them that would enable them to be categorized as mineral reserves. There is no certainty that PEA results will be realized. Mineral resources are not mineral reserves and do not have demonstrated economic viability.



### NI 43-101

# 2024 Updated Resource Estimate

- Indicated Resources of 112.2 M short tons at 0.297% Cu containing 668 M lbs of copper (0.18% Cu cut-off).
- Inferred Resources of 62.9 M short tons at 0.255% Cu containing 320 M lbs of copper (0.18% Cu cut-off).

### **ASSUMPTIONS:**

- a. Metal price of US\$4.00/lb of Cu
- b. Metallurgical recovery of 75% in oxides and 70% in the transitional zone
- c. Offsite costs of US\$0.05/lb of Cu
- d. Processing Costs of US\$4/ton milled, and General & Administrative (G&A) costs of US\$ 2.00/ton milled
- e. Mining cost of US\$2.00/ton mined
- f. 48-degree pit slopes
- g. The 150% price case pit shell is used for the resource confining shape
- h. NSR = Cu\*US\$3.95/lb \*0.75 for oxides and NSR = Cu\*US\$3.95/lb \*0.70 in the transitional zone.

QP: Sue Bird, Moose Mountain Technical Services

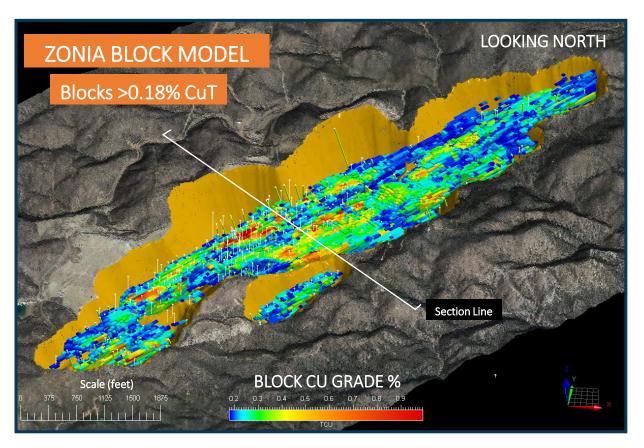
Classification @0.18% CuT cut-off	Short Tons (Million)	Grade (CuT %)	Cu. Lbs. (Million)
Indicated (Oxide)	101.2	0.300	608
Indicated (Mixed)	11.0	0.271	60
Total Indicated	112.2	0.297	668
Inferred (Oxide)	46.4	0.257	239
Inferred (Mixed)	16.5	0.248	82
Total Inferred	62.9	0.255	320

Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability. There is no certainty that all or any part of the Mineral Resources will be converted into Mineral Reserves. Inferred resources are that part of a Mineral Resource for which quantity and grade or quality are estimated based on limited geological evidence and sampling. Geological evidence is sufficient to imply but not verify geological and grade or quality continuity. It is reasonably expected that most of the Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.



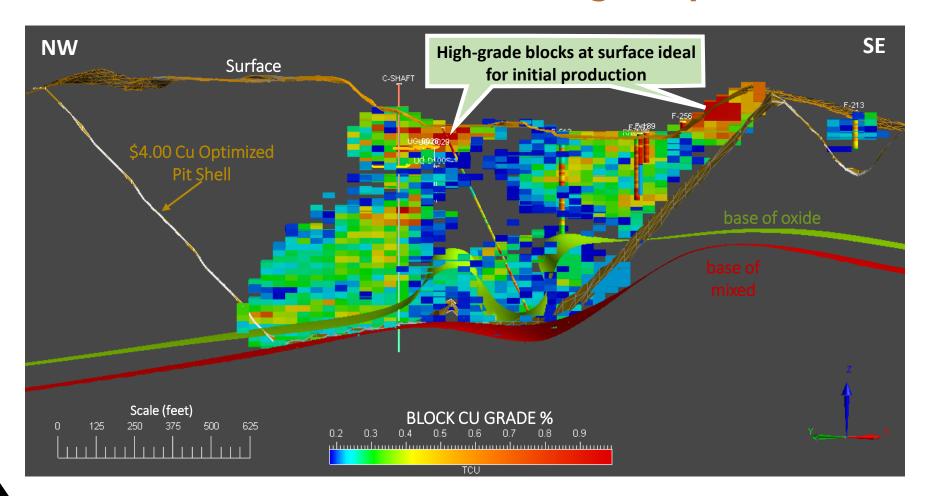
## **Resource Estimate Block Model**

- Indicated Resources increased to 112.2 Mt and copper content in this category increased by 50% to 668 M lbs Cu compared to the previous estimate.
- Potential for a significant increase in LOM and throughput compared to the 2018 PEA study.
- Increased value of the deposit and lower risk as we advance towards a feasibility study at Zonia.



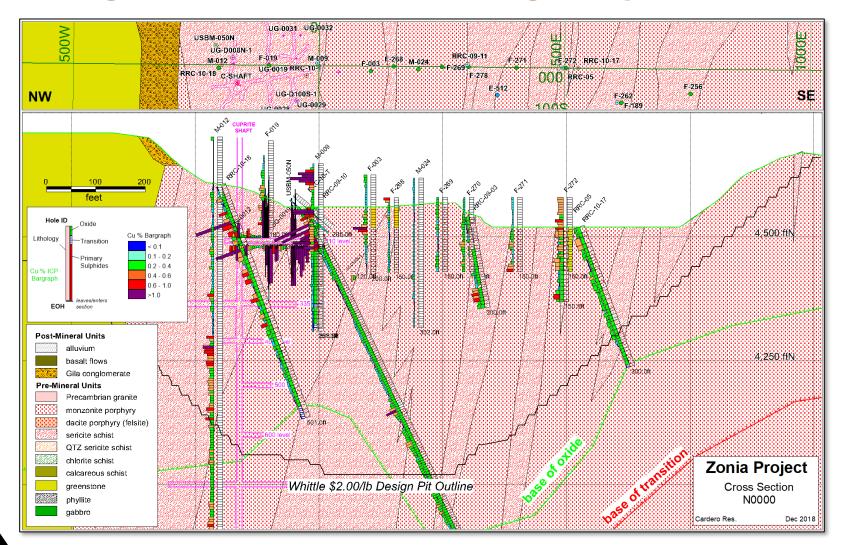


## **Block Model Cross Section Through Deposit**





## **Geological Cross Section Through Deposit**





## 100% Owned by World Copper

- Zonia was acquired in February 2022 when World Copper and Cardero Resource Corp.
   agreed to combine their respective business
- Cardero had acquired a 100% interest in the Zonia copper oxide deposit in November
   2018 from previous owners Redstone Resources Corporation
- 29,389,236 common shares of World Copper were issued to Cardero shareholders based on an exchange ratio of 0.200795, and Cardero amalgamated with corporation 1302172 B.C. Ltd. to become "Zonia Holdings Corp.", a wholly-owned subsidiary of World Copper
- A controlling shareholder of Cardero acquired a 1% NSR (net smelter returns royalty)
  on Zonia; the NSR may be exercised by paying to World Copper an amount equal to
  approximately \$1.41 million.
- At the election of World Copper or the Royalty Holder, 100% of the NSR can be bought-out by World Copper in common shares of World Copper for an approximate buy-out amount of \$3.0 to \$3.87 million



# **Project History & Existing Infrastructure**

- 17.1 million tons mined from 1966 to 1975; produced 33.2 million pounds of cement copper from the 7.1 million tons placed on heaps
- 52,000 meters of historical drilling in almost 600 drill holes, mostly defining near-surface oxide resource
- Only one-hour drive south of Prescott, with all-season road access with a large portion paved
- Existing power on site via a 67Kv line starting at a recently upgraded substation near mine entrance (7.5km)
- Power line will need upgrading to 1.5MW for production
- Sufficient groundwater available on site to support mining operations



Recently upgraded substation close to mine entrance



Mine entrance gate



# Zonia Project Mine Site









- 1. Leach pad from former production. 2. Mine site and buildings. 3. Signage at entrance to mine site.
- 4. Pit panorama: Zonia mine site was pre-stripped in 1967, followed by limited production (7 Mt on leach pads).



# **Copper Mineralization**



Drill RRC09-27 grading 11.12% Cu over 8.5 feet . Supergene chalcocite, copper pitch oxide rim, chrysocolla, malachite.



Outcropping mineralization in pit.



Drill RRC09-27; further oxidation of chalcocite to cuprite, copper "pitch" and malachite.



Drill RRC09-X08 from an interval grading 0.33% copper. Chrysocolla, azurite and minor remnant sulfides.

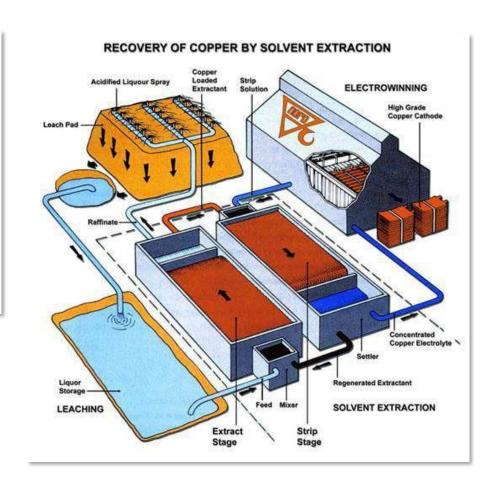


# Mining and Processing

- Deposit amenable to conventional truck & shovel mining, heap leaching and SX-EW processing
- Soluble copper mineralization allows for low-cost heap-leaching and & SX-EW processing to produce 99.99% pure copper cathode
- Extensive metallurgical test-work averages
   73% recovery
- Low acid consumption of 25 lbs/ton

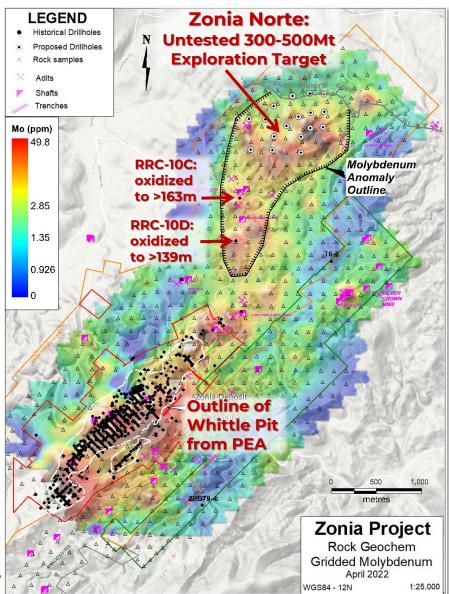
**Stage I Solvent Extraction (SX)**: extraction & upgrade of copper ions from low-grade acidic leachate (liquor) from heap.

**Stage II Electro-winning (EW)**: Copper extracted from the electrolyte & deposited onto cathodes





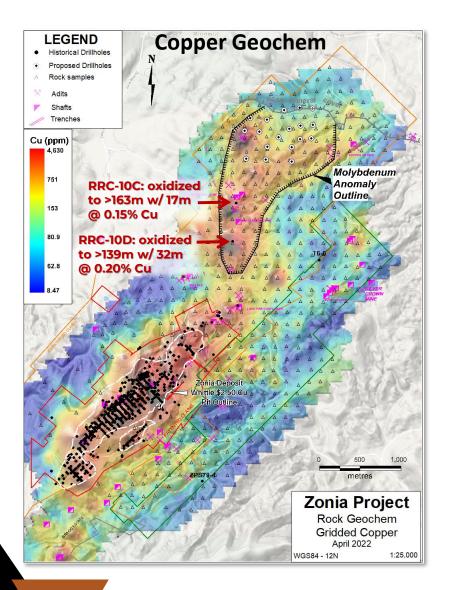
# **Exploration – New Porphyry Cu Target**

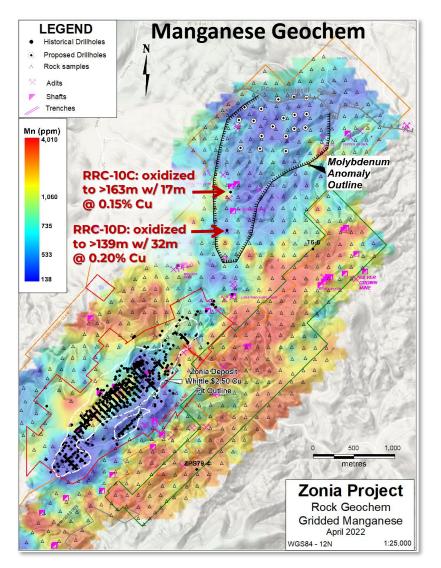


- Extensive 150-metre spaced rock sample grid generated a coherent anomaly 1500 X 2000 metres across and 1km northeast of drill-defined mineralization
- Defined by coincident elevated Mo, Cu & Au, with depressed Mn and Zn: classic porphyry Cu footprint
- Nearest historical drill holes end in oxidized zone: deep alteration
- Same host rock as main deposit (quartz monzonite porphyry), but less foliated
- Permit applications filed for a 5000-metre programme on both BLM and Arizona state land



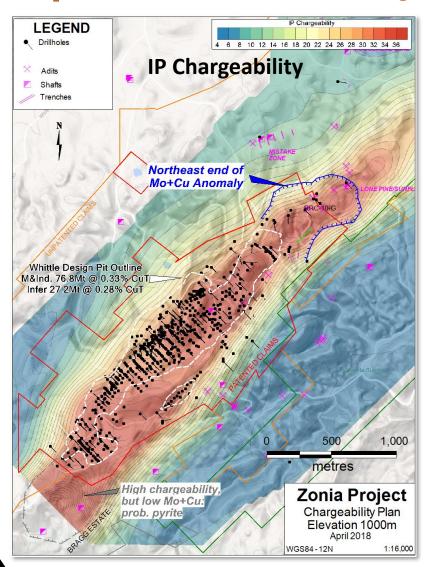
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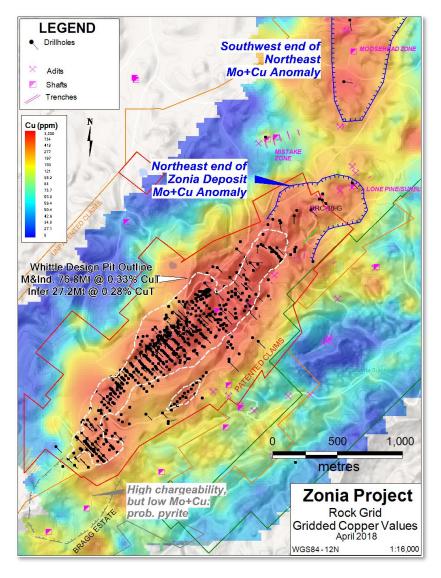






## **Exploration** – IP Survey Indicates NE Extension







# **Future Development**

- World Copper intends to drill test the Northeast Anomaly (18 holes, 5000 metres) permits from the BLM and the state of Arizona can be obtained within 60-90 days; refundable reclamation bonds would be required. Success at this new target would add significant upside to the project.
- Additional work to be performed on the potential gold content in the sulphide target.
- Prepare for Prefeasibility level studies to further advance the project towards production. This includes a programme
  of geotechnical and condemnation drilling, as well as infill drilling to convert Measured, Indicated and Inferred
  resources to reserves, and potentially expand the deposit to the northeast.
- Continue to advance environmental work and permitting for the mine plan. Some of the necessary baseline work and permit applications have already been completed.
- For the first phase of development, as described in the PEA, a mine plan constrained to private land will offer the easiest permitting route for the project.
- World Copper will also review potential projects within the copper space and look to potentially add projects of merit
  in the future.



# **Move Forward Project Schedule**

		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8	Yr 9	Yr 10	Yr 11	Yr 12	Yr 13	Yr 14	Yr 15
Phase I Private Land	Prelininary Economic Assessment															
	Drill Inferred Resources and NE Zone															
	Metallurgical Testing															
	Bankable Feasibility Study*															
	Phase 1 Permitting^															
	Finance & Construction															
	Phase 1 Production															
Phase II Public Land	Drill Resource Expansion															
	Phase II Feasibility Study															
	Phase II Permitting**															
	Construct Expansion															
	Phase II Production^^															

- \* Hypothetical, dependent on positive results of the future PEA; Phase I Bankable Feasibility will maximize the rate of production attainable while limiting facilities to private land
- Phase I permitting is estimated at 2.5 years.
- \*\* Phase II permitting involves expansion onto public land and as such the permitting time is less well constrained. It is estimated at 4 to 7 years, with 7.5 years allowed for in the project schedule.
- ^^ Phase II production time is unknown and additional life of mine is for illustrative purposes only.

The company will need to raise additional funds in order to move the Zonia project forward and there can be no assurance that it will be successful in doing so. If the Company is not successful in raising funds, it may be forced to curtail or cease operations.



## A BRIGHT FUTURE...

## The Next Base Metals Supercycle is Dawning

- A Supercycle is a "decades-long, above-trend movements in a wide range of base material prices" that is usually derived from a structural change in demand.
- The warning signs for this new Supercycle boom are all around us, with the effects
  of COVID-19, the green industrial revolution, USA's Paris Agreement return and
  China committing to carbon neutrality by 2060 there is a synchronized
  decarbonization push that "has the potential to create a capex cycle on par with
  the emerging markets-driven cycle of the 2000s".





## **Contact Us**

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