

# Forward looking statements

This Presentation is for information purposes in connection with Midnight Sun Mining, ("Midnight Sun" or the "Company"). While the information contained herein has been prepared in good faith, neither the Company or any of its shareholders, directors, officers, agents, employees, consultants or advisers give, have given, or have authority to give, any representations or warranties (express or implied) as to, or in relation to, the accuracy, reliability, completeness or suitability of the information in this Presentation, or any revision thereof, or of any other written or oral information made or to be made available to any interested party or its advisers (all such information") and liability therefore is expressly disclaimed.

Accordingly, neither the Company nor any of its shareholders, directors, officers, agents, employees, consultants or advisers take any responsibility for, or will accept any liability whether direct or indirect, express or implied, contractual, tortious, statutory or otherwise, in respect of the accuracy or completeness of the Information or for any of the opinions contained herein or for any errors, omissions or misstatements or for any loss, howsoever arising or out of or in connection with the use of this Presentation. Each party to whom this Presentation is made available must make its own independent assessment of the Company and the Presentation after making such investigations and taking such advice as may be deemed necessary. Any reliance placed on the Presentation is strictly at the risk of such person relying on the Presentation.

This Presentation may contain forward-looking statements regarding the Company and its subsidiaries. These statements are based on various assumptions made by the Company. Such assumptions are subject to factors which are beyond our control, and which involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by the forward-looking statements may in some cases be identified by terminology such as "may", "will", "could", "should", "expect", "plan", "intend", "anticipate", "predict", "potential" or "continue", the negative of such terms or other comparable terminology. These forward-looking statements are only predictions. Actual events or results may differ materially, and a number of factors may cause our actual results to differ materially from any such statement. Such factors include, among others, general market conditions, demand for products, development in reserves and resources, unpredictable changes in regulations affecting our markets, market acceptance of products and such other factors that may be relevant from time to time.

Although we believe that the expectations and assumptions reflected in the statements are reasonable, any person relying on such Information are cautioned that we cannot guarantee future results, levels of activity, performance or achievement. In preparing this Presentation and except as required by law, we do not undertake or agree to any obligation or responsibility to provide the recipient with access to any additional information or to update this Presentation or Information or to correct any inaccuracies in, or omission from this Presentation or to update publicly any forward-looking statements for any reason after the date of this Presentation to conform these statements to actual results or to changes in our expectations.

This Presentation does not constitute an offer or invitation to sell, or any solicitation of any offer to subscribe for or purchase any securities and nothing contained herein shall form the basis of any contract or commitment whatsoever. Copies of this Presentation should not be distributed to any affiliates, third parties or indirect recipients in any manner whatsoever. The distribution of this Presentation in or to persons subject to other jurisdiction may be restricted by law and persons into whose possession this Presentation comes should inform themselves about and observe any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of the relevant jurisdictions.

This Presentation may not be reproduced, disseminated or used without the express and written consent of the Company. If the Company suffers loss, damage or liability of any kind in connection with your breach of the restriction on reproduction or use, you will indemnify the Company from and against such loss, damage or liability.

#### ALL DOLLAR AMOUNTS ARE IN CAD UNLESS OTHERWISE NOTED.

All true widths are calculated using cross-sectional analysis.

Oualified Person: Darin Labrenz, P.Geo., a Qualified Person under NI 43-101, has reviewed and approved the technical data and contents herein.



# **The Opportunity**

IN THE HEART OF THE TOP GLOBAL HOTSPOT FOR COPPER DISCOVERY1

SURROUNDED BY PREMIER GLOBAL COPPER PRODUCERS AND OPERATORS

A UNICORN - EXPLORATION UPSIDE & POTENTIAL NEAR-TERM PRODUCTION

MULTIPLE TARGETS FOR TRANSFORMATIVE DISCOVERY

COOPERATIVE EXPLORATION PLAN IN PLACE WITH FIRST QUANTUM<sup>3</sup>

THE RIGHT GEOLOGY, DISCOVERIES IN-HAND, WORK UNDERWAY, FUNDED.

TIMING IS EVERYTHING – UNPRECEDENTED DEMAND FOR COPPER



# **Zambia – A World Class Copper District**

A globally ranked "top copper producer" and mining powerhouse for +100 years. Zambian President HH undertaking steps to elevate Zambia to higher global ranking

Geological environment conducive to large, high-grade and scalable copper deposits

Home to world-class producing copper mines and operators including First Quantum, Barrick, Ivanhoe, Rio Tinto, and

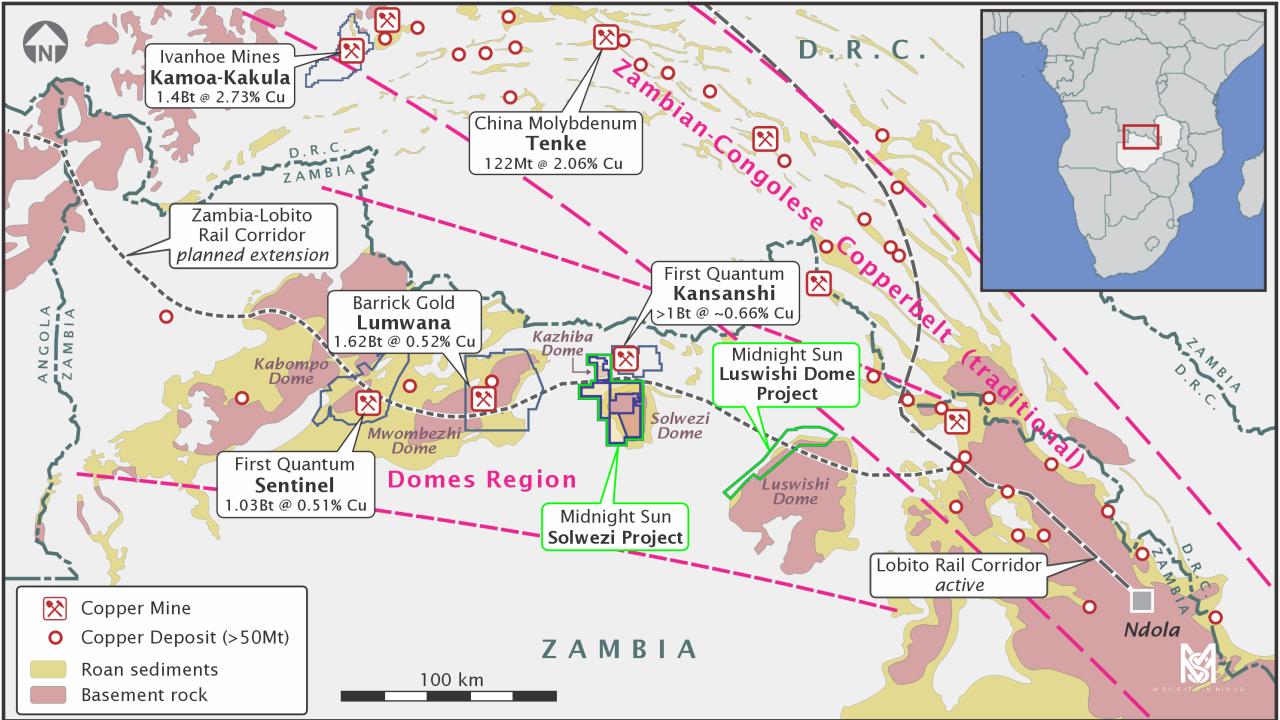
Anglo American

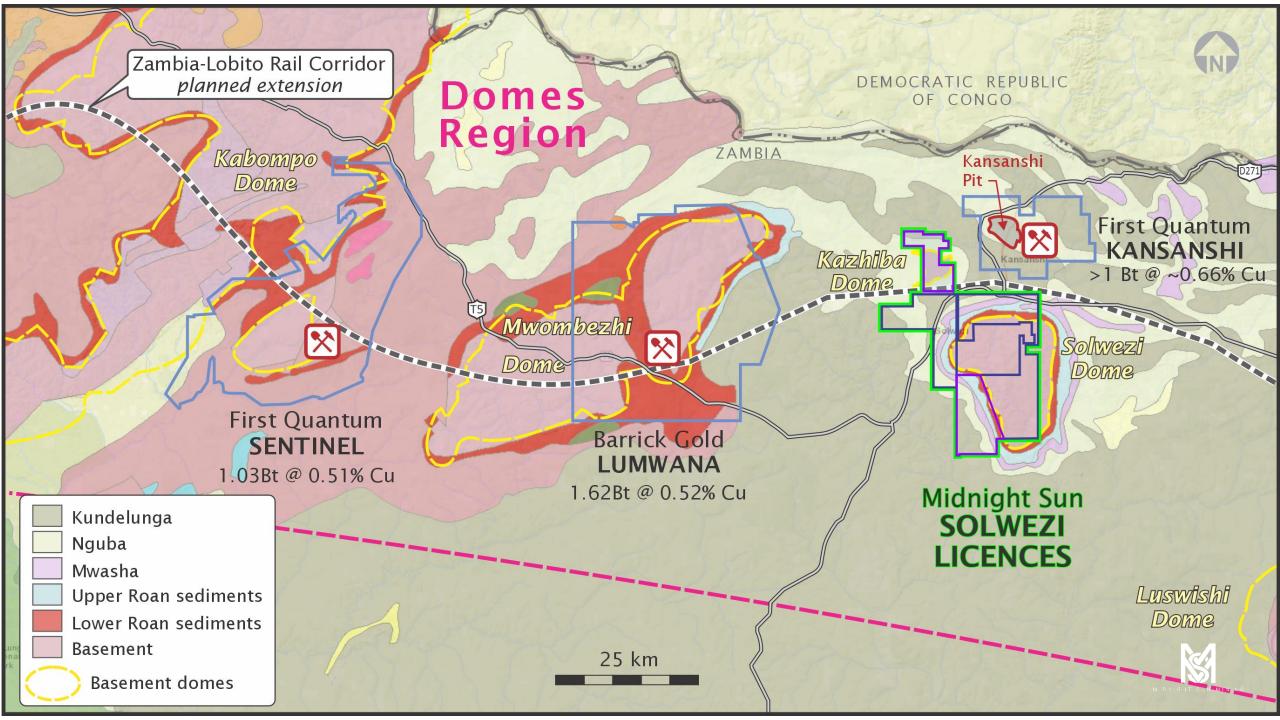
Mining = 75% of Zambia's export earnings

Strong local workforce and deep talent pool of local geologists, geoscientists and drillers aboard our team

Democratically elected government, with Mining Act in place







# Size, Grade And Shallow Depth The 3 Key Differentiators of The Domes Region

>Billions of Tonnes

0.56% Cu Average

Shallow - <150 Metres



# **Sulphide Copper Targets Discoveries Across Our Property**

## 1 - Dumbwa

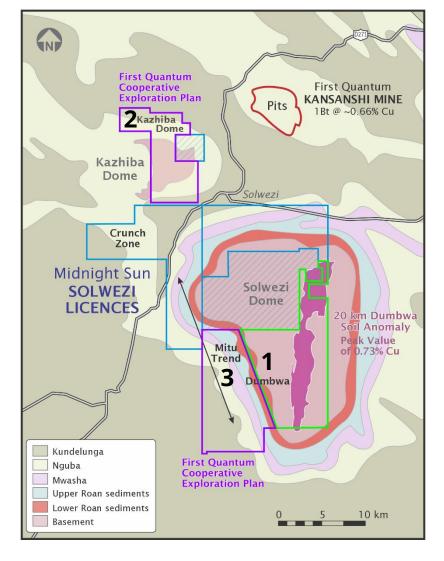
- Our Flagship A Tier-One Exploration Target
- Soil Anomaly >20 km up to 0.73% Cu
- 16m of 1.24% Cu, and 13.5m of 0.77% Cu from surface
- Phase One Dipole-Dipole IP Survey completed, showing 11.5 km's of mineralized strike
- Drilling underway and ongoing

## 2 - Kazhiba Target 2

- Identified in 2024 exploration program through Partial Ionic Leach
- Confirmed using Dipole-Dipole IP Survey
- Initial 4 test-holes completed, awaiting assay

## 3 - Mitu

- 11.6 m of 3.44% Cu
- 11.5 m of 1.41% Cu incl 4.0 m of 2.38% Cu
- Early drill intercepts identified a sulphide mineralized unit
- Multiple geophysical targets
- 2026 drill target





# Our Geological Approach Led By Dr. Kevin Bonel – Track Record Of Success

- +25 years' experience in Sub-Saharan Africa. Dr. Bonel is a sulphide-copper specialist, credited with multiple major discoveries
- Former Barrick Exploration Manager at Lumwana Mine and Freeport McMoRan
- Led exploration team at Lumwana. Transitioned from ~900 Mt at 0.55% Cu, to 1.62 Bt at 0.52% Cu, making it a world-class asset and the largest deposit in Zambia<sup>1</sup>
- Barrick's Lumwana Mine and our Dumbwa Target are geologically analogous.
   Dr. Bonel is employing the same data-driven, step-by-step geological approach to Dumbwa, that he and his team did at Lumwana





# Our Approach to Discovery Measured, Methodical, Precise and Cost-Effective

The same 3-phase approach and methodology Dr. Bonel and his team applied to transform Barrick's Lumwana Mine Target drilling to define and delineate structure Dipole-Dipole IP Survey to define depth and dip direction in preparation for Phase 1 drilling Geochemical Sampling -Traditional or Partial Ionic Leach Survey









# Midnight Sun **DUMBWA TARGET**



DC-15-03: 13m @ 0.63% Cu including 3m @ 1.3% Cu

DCAC-39: >12m @ 0.65% Cu including 6m @ 1.06% Cu

SDDD06: 13.5m @ 0.77% Cu

SDRC06: >10m @ 0.75% Cu

SDRC05: 15m @ 0.71% Cu

SDRC13: 16m @ 1.24% Cu

SDD03B: 11m @ 0.5% Cu and 33m @ 0.44% Cu

ZK60-1: >11.3m @ 0.63% Cu including 5.4m @ 0.92% Cu

20 km Dumbwa Soll Anomaly Peak Value of 0.73% Cu

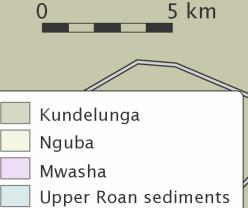
Dumbwa

Solwezi

Dome

First Quantum
Cooperative
Exploration Plan





Lower Roan sediments

Basement

















# **Dumbwa**A Direct Analog to Lumwana<sup>1</sup>

	Lumwana	Dumbwa
Depth of Mineralization	Shallow ~less than 150m	Shallow ~less than 150m
Geochemical anomaly	Yes	Yes. 20km, peak grade of 0.73% Cu
<b>Biological Anomalies</b>	Yes. Copper clearing	Yes. Copper clearing
Host Rock Unit	Basement hosted	Basement hosted
Host Mineralization	Schist-hosted mineralized zones	Schist-hosted mineralized zones
Stacked Mineralized Horizons	Yes	Yes
Orientation	North-South trending	North-South trending
Dip	15 degrees east-dipping	15 degrees east-dipping

There are only 3 known basement-hosted systems in the Zambian-Congo Copper Belt to date; Kamoa Kakula, Lumwana and Dumbwa. Kamoa Kakula and Lumwana are the two largest deposits in the belt, while Dumbwa's extents are in the process of being defined...



Kevin Bonel employing same logical 3 phased approach as used to transform Lumwana

# **Phase 1 – Geochemical Sampling**

**Status:** Complete

Result: 20 km "copper-in-soil" anomaly peaking at 0.73% Cu,

extensive copper-clearing at surface

# Phase 2 - Dipole-Dipole IP Survey

**Status:** Phase 1 Complete totalling 11.5 km's

**Result:** Positive results providing correlation of soil anomaly

and drill intercepts, as well as depth and dip direction of

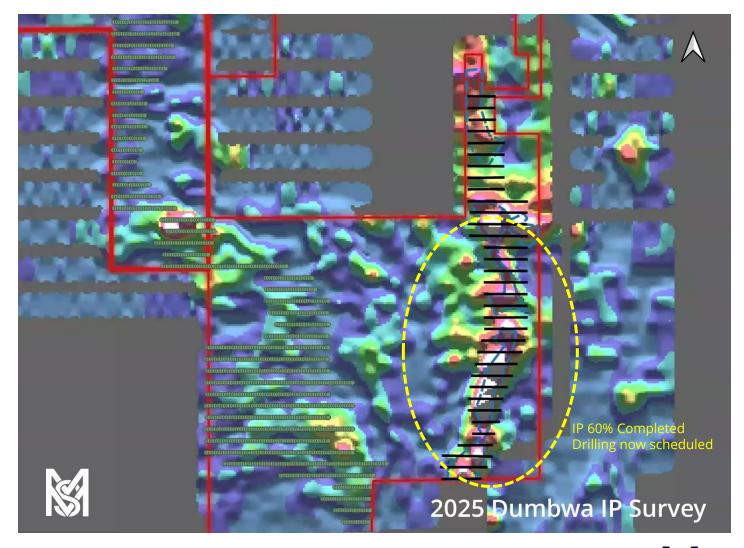
mineralization to guide targeted drilling

# **Phase 3 - Diamond Drilling**

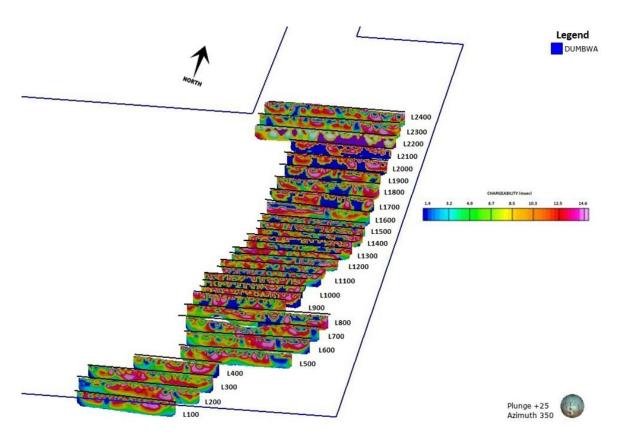
**Status:** Initial drilling underway on southern 11.5 km of

anomaly, based on IP

**Results:** Expected to begin flowing Fall 2025

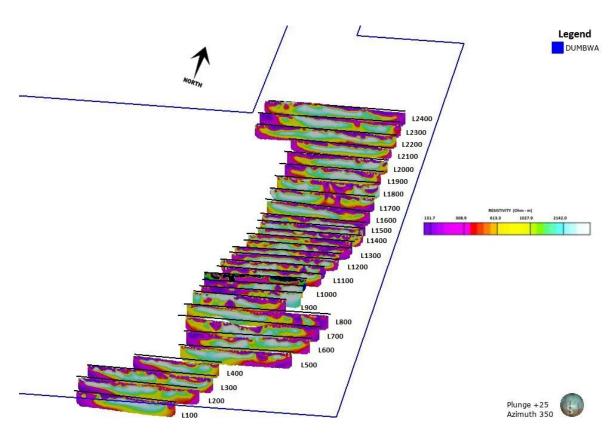






### **Oblique view of cross-sectional IP Chargeability results**

Note: warm colours denote chargeability highs and are interpreted as the mineralized target horizon. Chargeability identifies how well the ground reacts when a current is applied through it. Areas with high chargeability are exploration targets and these areas also coincide with mineralized intercepts observed in historic drilling



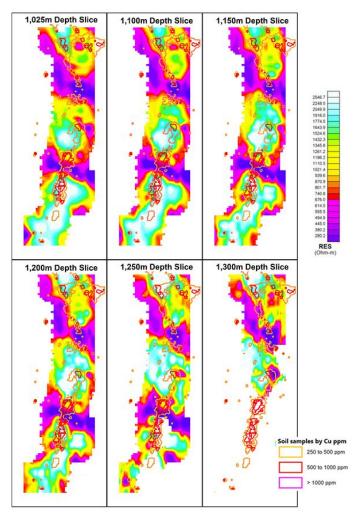
## **Oblique view of cross sectional IP Resistivity results**

Note: cool colours denote resistivity highs which are the typical exploration target for disseminated sulphides in crystalline basement rocks as seen in Dumbwa. These Resistivity highs have also been correlated to disseminated copper mineralization by the historic drill intercepts

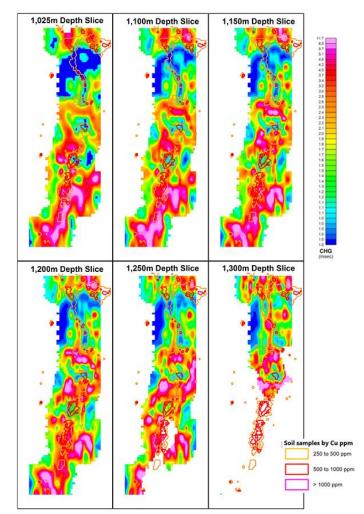


IP Chargeability depth slices created by combining all geophysical line data and viewing at a specific depth level shown in metres above sea level. Depth slices of 1,025m, 1,100m, 1,150m, 1,200m, 1,250m, and 1,300m are shown with superimposed copper in soils contours

### IP Resistivity Depth Slices with Copper in Soils (ppm)



### IP Chargeability Depth Slices with Copper in Soils (ppm)



IP Resistivity depth slices created by combining all geophysical line data and viewing at a specific depth level shown in metres above sea level. Depth slices of 1,025m, 1,100m, 1,150m, 1,200m, 1,250m, and 1,300m are shown with superimposed copper in soils.

To help understand depth slices, the Solwezi airport is at 1397m above sea level. 1300m would be near surface



# What do the IP, Geochem and historic technical results tell us?

- IP Illustrates structural architecture of Dumbwa.
   We have a clear understanding of target geometry
- Mineralized horizon varies from quite flat lying and gently sloping, while other areas show convincing evidence for folding from open folds to very tight upright folds
- Strong correlation between mineralized intervals intercepted in previous drilling at Dumbwa and the interpreted target horizon derived from IP survey
- Positive correlation identified between target horizon and the overlying soil anomaly
- ID'd several major cross-cutting structures that help explain the offset between historical soil geochemistry and previously drilled mineralization
- Drilling underway on southern 11.5 km. Holes plotted based on IP results







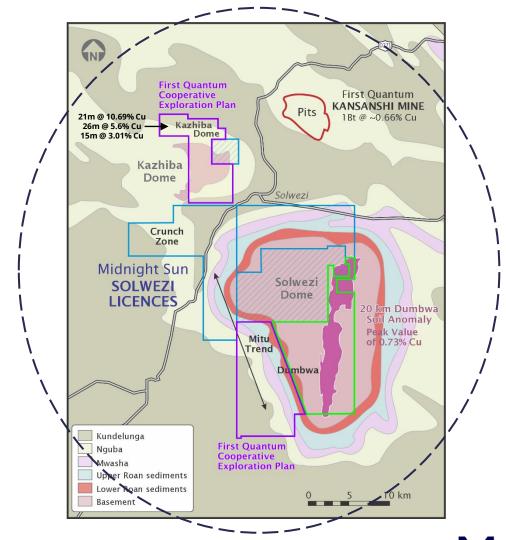


# Oxide Copper Exploration Plan Oxide-Copper - Near-Surface, Near-Term Mining Opportunity

2 key target areas for near-surface, high-grade oxide-copper mineralization: Kazhiba and Mitu

Cooperative Exploration plan in place with First Quantum, which is a technical alliance, designed to speed up defining oxide copper mineralization across our property. First Quantum have an SXEW oxide circuit at Kansanshi, just 6km away

Near-term mining opportunity, that could produce significant near-term positive cash flow for Midnight Sun





# Oxide Copper Exploration Plan Discovery and Expansion

## **Oxide Copper Targets**

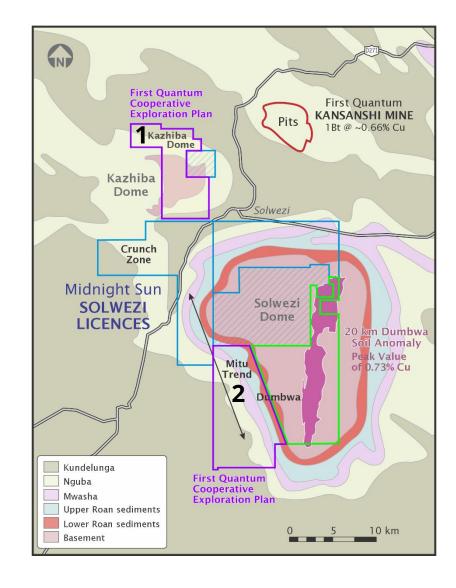
**Goal:** Demonstrate oxide copper mineralization has grade, scale, and growth potential. Leverage opportunity toward significant potential nearterm cash flow, in turn, funding exploration and development of larger sulphide targets

## 1 - Kazhiba

- Primary Oxide Target Area
- Kazhiba Main Zone initial drilling successfully completed in 2024, providing proof of concept and bonanza grade intercepts
- Main Zone Aggressive expansion drilling underway
- Additional Oxide Copper Targets Follow-up drilling to begin within weeks

## 2 - Mitu

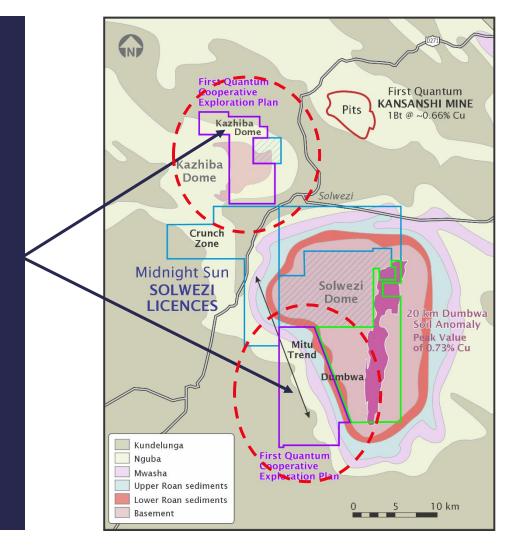
- Several Geophysical Targets
- Partial Ionic Leach sampling completed





# **Oxide Copper Exploration Plan Kazhiba and Mitu - High-Grade Drill Results**

- 21m @ 10.69% Cu
- 26m @ 5.6% Cu
- 15m @ 3.01% Cu
- 7m @4.66% Cu
- 21.1m of 8.52% Cu
- 4.5m of 6.31% Cu
- 24m of 3.15% Cu
- 8m of 5.14% Cu
- 14.2m of 5.71% Cu, incl. 7.2m of 9.58% Cu

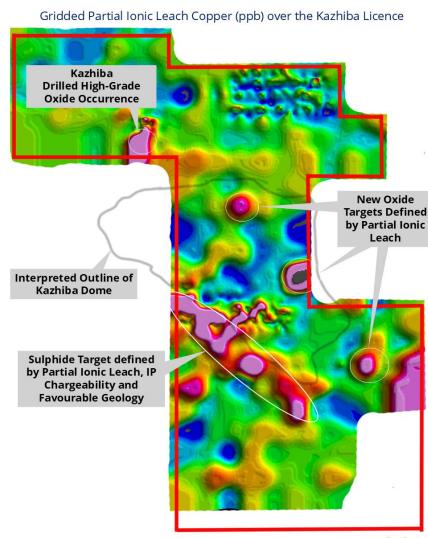




Source: https://www.midnightsunmining.com/zambian-properties/

# Oxide Copper Exploration Plan Kazhiba Main Zone - 2024 Results

- "Proof of Concept" established
- 2024 Drill Highlights: **10.69% Cu over 21 metres, 5.60% Cu over 26** metres, and 3.01% Cu over 15 metres, and 4.66% Cu over 7 metres<sup>1</sup>, all near surface with very low strip ratio
- Identified extension of Main Zone = Room for growth<sup>2</sup>
- Identified multiple additional oxide copper targets that share a very similar geochemical signature to Kazhiba Main Zone<sup>2</sup>







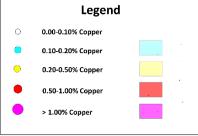


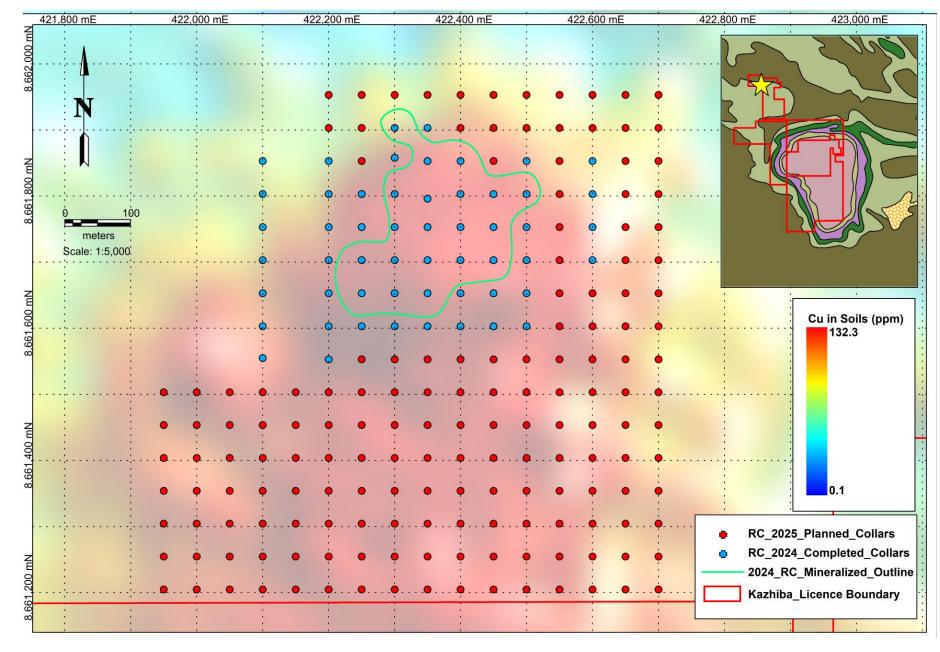


**Kazhiba Oxide Copper 2024 Drill Results** MSZ22-012 15.0m @ 3.01% 0 0 MSZ22-020 26.0m @ 5.60% 0 0 MSZ22-030 7.0m @ 4.66% 0 0 MSZ22-028 21.0m @ 10.69% SLZ-13-RC-002 24.0m @ 3.15% 0  $\circ$ 0m 200m



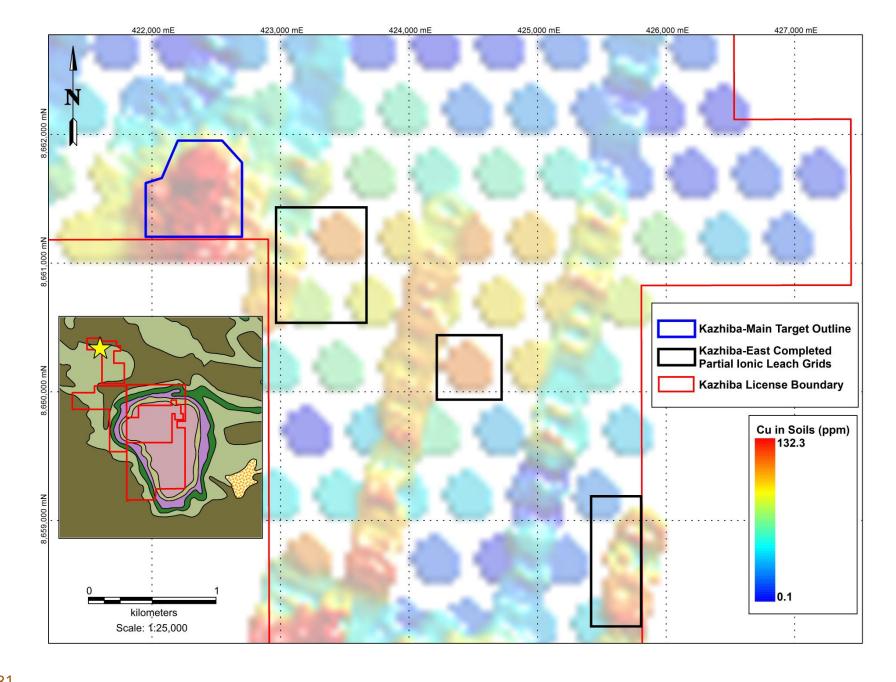






- The 2025 phase one exploration campaign is now underway, following up on the 2024 program, with continued drilling on extensions of the highgrade transported oxide copper blanket
- Approximately 160 RC holes are planned to test potential extensions of oxide mineralization at Kazhiba Main, as indicated by the 2024 drill campaign



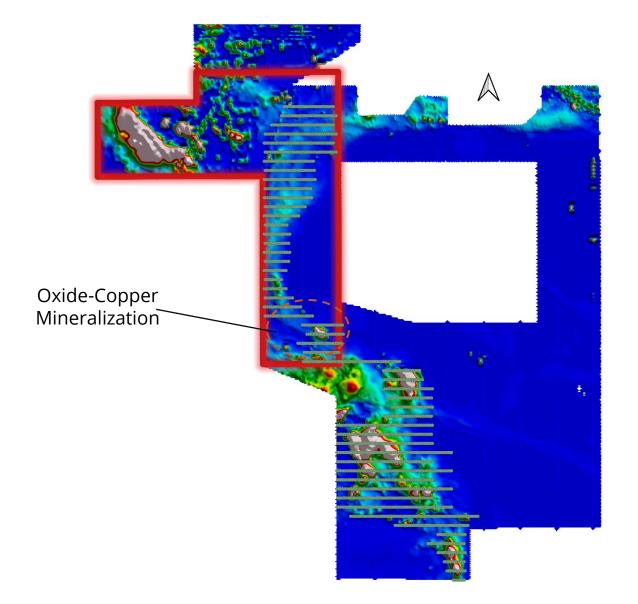


- The 2025 phase one exploration campaign is now underway, following up on the 2024 program. Partial Ionic Leach sampling across new, near-surface oxide copper targets completed, drilling starting shortly
- Approximately 500-600
   additional samples completed
   to test the new oxide copper
   targets.









# Oxide Copper Exploration Plan Mitu Exploration Program

- ~1800 sample Partial Ionic Leach program completed to test entire Mitu Trend along the western flank of the Solwezi Dome
- Mitu has similar surface material to Kazhiba, which is generally unresponsive to traditional geochemical analysis.
   Partial Ionic Leach is expected to more effectively identify and track further copper targets
- PIL sampling program included all highly prospective geology, including areas of known oxide and sulphide copper mineralization
- Results of PIL survey to drive follow up Dipole-Dipole IP Survey and finalize drill targets for 2026 follow-up





# The Takeaway - In less than 18 months, Midnight Sun has...

- Raised \$10MM. Through warrant exercise, have increased treasury balance ~CDN\$11.5MM
- Launched an aggressive exploration program on Dumbwa, our flagship and a tier-one exploration target. The program has already
  demonstrated an 11.5 km mineralized horizon and we are now drilling to define the system extents
- Established a Cooperative Exploration Plan with First Quantum. A technical alliance designed to delineate potential oxide-copper mineralization on our property. Near-surface, oxide copper presents the potential for a unique near-term mining opportunity that could in turn produce significant near-term positive cash flow<sup>4</sup>
- Carried out 2024 program on Kazhiba Main Target, delineating a high-grade oxide-copper blanket and providing "Proof of Concept" for Oxides. Highlights included 10.69% Cu over 21 metres, 5.60% Cu over 26 metres, and 3.01% Cu over 15 metres, and 4.66% Cu over 7 metres<sup>1</sup>, all near surface. Work also defined a significant sulphide copper target and multiple new targets for additional oxide copper mineralization. Follow up drilling to define extents of Kazhiba Main and PIL sampling to test the new oxide targets is underway
- · Launched follow up drill program on Kazhiba Main and new oxide targets at Kazhiba. Underway now
- Increased Market Cap by from CDN\$27MM to CDN\$174MM in less than 18 months. 2025 TSX Venture Top 50 Company
- Increased land position, through strategic acquisition of Luswishi Dome Project

We are well funded, de-risked and marching toward both transformative discoveries and near-term cashflow from multiple targets



# **Midnight Sun - Capital Structure**

## **CAPITAL STRUCTURE**

Basic Shares Outstanding 181.2 million

Total Warrants Outstanding 43.0 million

• \$0.33 Expire May 22, 2027 41.7 million

• \$0.33 Expire May 22, 2027 1.3 million

Total Options Outstanding 13.3 million

Share Price \$1.15

Market Capitalization \$208.0 million

Cash Position >\$9.0 million

Management & Directors 12%

Corporate & Institutional ~22%

52 Week Range \$0.205 - \$1.19



Midnight Sun is a 2025 TSX Venture Top 50 Company



## **ANALYST COVERAGE**





Pierre Vaillancourt Senior Mining Analyst Ph: (416) 507-2309 Em: pvaillancourt@haywood.com

Taylor Combaluzier, P.Geo
VP, Mining Analyst
Ph: 416-948-6495
Em: tcombaluzier@redcloudsecurities.com



# **Directors & Management**

#### Al Fabbro

### PRESIDENT. CEO & DIRECTOR

- Finance and mining executive and entrepreneur
- +45 years' experience
- Former head retail trading of Yorkton Securities, and Yorkton's Natural Resources Group
- +10 years IA Canaccord Capital, specializing in the natural resource sector and former Lead Director of Roxgold

#### Adrian O'Brien

#### **VP BUSINESS DEVELOPMENT & COMMUNICATIONS**

- Senior Exploration Executive and Senior Marketing Executive
- +25 years' experience
- Former Director, Marketing and Communications PureGold Mining, former Director & President Kermode Resources, former President/CEO Pro Minerals, former Vice President Apella Resources
- Former Director Prospectors and Developers Association of Canada

#### Rick Mazur

#### DIRECTOR

- P.Geo, Geoscientist, Project geologist, financial analyst and senior executive
- +45 years' experience
- Former Analyst, Former Director of Roxgold, Current Director of Big Ridge Gold, Impact Silver, and CEO of Forum Energy Metals

### **Robert Sibthorpe**

### **CHAIR EMERITUS & DIRECTOR**

- Geologist, executive and mining entrepreneur
- +50 years' experience
- Experience includes Noranda, Falconbridge and Ivanhoe. Former analyst for Midland Doherty, Yorkton Securities, and Canaccord
- Former President/CEO Roxgold and recipient of AMEBC Colin Spence Award

### **Wayne Moorhouse**

#### DIRECTOR

- CFA Experienced mining and construction executive
- Experience from exploration to mine operations to M&A
- Former Director of Genco, Stealth Energy, and former CFO Roxgold.
   Current President/CEO of EnviroMetal Technologies

### **Kevin Bonel**

#### COO ZAMBIA

- Ph.D, P.Geo. Independent geologist and exploration manager
- +25 years' experience in Sub-Saharan Africa, most recently with Barrick Gold's operations at the Lumwana Mine and Freeport McMoRan
- Led exploration team at Lumwana adding 25 years of reserves
- Responsible for discoveries including the Kamaranda copper deposit, the Mpemba Hill deposit, a new copper deposit near Mpongwe, Zambia. Oversaw Kisanfu pre-feasibility and feasibility in DRC, and reinterpretation of Munali Ni deposit in Zambia, now in production

### Adrian Karolko

#### VP. EXPLORATION

- P.Geo, Senior Exploration
- +18 years' experience
- Active member of Pre-Feasibility and Feasibility team on Cangrejos gold-copper porphyry deposit in Ecuador, owned by Lumina Gold until \$581 million acquisition by CMOC Singapore
- Exploration Manager for Miedzi Copper, a privately held company headed by Ross Beaty, and is co-credited with the discovery of the Nowa Sol copper-silver stratabound deposit in western Poland

### **Brett A. Richards**

#### DIRECTOR

- Mining and Metals Executive with Senior level experience
- +30 years' experience
- Former CEO of African Thunder Platinum, Renew, Octéa, Roxgold, Avocet, and founder of Katanga. Held senior executive positions with Kinross Gold and Co-Steel.
- Current Director of Goldshore Resources and Nickel 28

#### **Alastair Brownlow**

#### CFC

- CPA, U.S. CPA (Washington) Extensive experience as CFO of publicly listed resource companies, spanning exploration, development, and production stage.
- Former auditor in the British Virgin Islands
- Began career at CPA firm specializing in the mining industry

### Matt MacKenzie

#### **EXECUTIVE VP, CORPORATE SECRETARY**

- MBA and JD
- +12 years' experience
- Former finance positions with GE Capital Markets and BMO Capital Markets. Experience in mineral exploration, production, oil and gas services
- Former Manager of Business and Legal Affairs of Roxgold

### **Margot Naudie**

### **ADVISORY BOARD**

- BA and CFA with +25 years of capital markets experience
- Senior Portfolio Manager for North American and global natural resource portfolios
- Held senior roles at leading asset management firms including TD Asset Management, Marret Asset Management Inc., and the Canadian Pension Plan Investment Board
- Brendan Wood TopGun Investment Mind (Platinum) for 5 consecutive years
- Bachelor of Arts in Politics and Economics from McGill University, MBA from Richard Ivey School of Business, and Chartered Financial Analyst (CFA) Charter holder
- · Current President of Elephant Capital Inc.

### **Darin Wagner**

### ADVISORY BOARD

- P.Geo, Senior Exploration and Mining Executive
- +30 years' experience
- Has served as Co-Founder, Senior Management or an Advisor to: MAG Silver, New Millennium Metals, Platinum Group Metals, Dryden Gold, West Timmins Mining, Balmoral Resources, Falco Resources, Newcastle Gold, and Nova Royalty
- Served as President, CEO, Director, and QP for West Timmins through discovery of Thunder Creek and 144 gold deposits and oversaw \$424 million acquisition by Lake Shore Gold
- Founder, President and CEO of Balmoral until \$160 million acquisition by Wallbridge Mining Company Ltd





TRANSFORMATIVE COPPER DISCOVERIES
IN THE HEART OF ZAMBIA

**CORPORATE INQUIRIES** 

Adrian O'Brien VP Business Development & Communications **604 809 6890** adrian@midnightsunmining.com

### **CORPORATE ADDRESS**

#1205 – 789 West Pender Street Vancouver, BC V6C 1H2 Canada TSX.V: MMA OTC: MDNGF www.midnightsunmining.com