

# Noronex Copper in Namibia

Noronex Ltd (ASX:NRX) – Africa Downunder 1st September 2022

### Competent Person's Statement

The information in this report that relates to Namibian Exploration Results is based on information compiled by Mr Bruce Hooper who is a Registered Professional Geoscientist (RPGeo) of The Australian Institute of Geoscientists. Mr Hooper is a consultant to Noronex Ltd and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hooper consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Canadian Exploration Results is based on information compiled by Dr Dennis Arne, a Competent Person who is a Registered Professional Geoscientist and Member of the Australian Institute of Geoscientists (AIG #1294). Dr Arne has sufficient experience relevant to the style of mineralisation, the type of deposit under consideration, and to the activity that was undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Dr Arne is an independent consultant employed by Telemark Geosciences Pty Ltd and consents to the inclusion in this report the matters based on this information in the form and context in which it appears.

The information in this report that relates to Mineral Resources in Canada is based on information compiled by Mr Garth Kirkham. Mr Kirkham is an independent consultant employed by Kirkham Geosystems and is a member of a 'Recognised Professional Organisation' (RPO) included in a list posted on the ASX website from time to time (Professional Geoscientist, Engineers and Geoscientists BC, previously known as the Association of Professional Engineers and Geoscientists of British Columbia, Canada). Mr Kirkham has sufficient experience relevant to the style of mineralisation, type of deposit under consideration, and to the activity undertaken to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC code). Mr Kirkham consents to the inclusion of this information in the form and context in which they occur.

The information in this report that relates to Mineral Resources in Namibia has been prepared under the supervision of by Mr. J.C. Witley (BSc Hons, MSc (Eng.)) who is a geologist with more than 30 years' experience in base and precious metals exploration and mining as well as Mineral Resource evaluation and reporting. He is a Principal Resource Consultant for The MSA Group (an independent consulting company), is registered with the South African Council for Natural Scientific Professions ("SACNASP") and is a Fellow of the Geological Society of South Africa ("GSSA"). Mr. Witley has the appropriate relevant qualifications and experience to be considered a "Competent Person" for the style and type of mineralisation and activity being undertaken as defined by the 2012 Edition of the JORC Code.

#### Forward Looking Statements:

This announcement may contain some references to forecasts, estimates, assumptions and other forward-looking statements. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions, it can give no assurance that they will be achieved. They may be affected by a variety of variables and changes in underlying assumptions that are subject to risk factors associated with the nature of the business, which could cause actual results to differ materially from those expressed herein. All references to dollars (\$) and cents in this presentation are to Australian currency, unless otherwise stated.

Investors should make and rely upon their own enquires and assessments before deciding to acquire or deal in the Company's securities.

For further information shareholders and investors should refer to the company's Prospectus dated 15 September 2020.





### Namibia

Modern Capital City: Windhoek

Political System: Modern Democracy

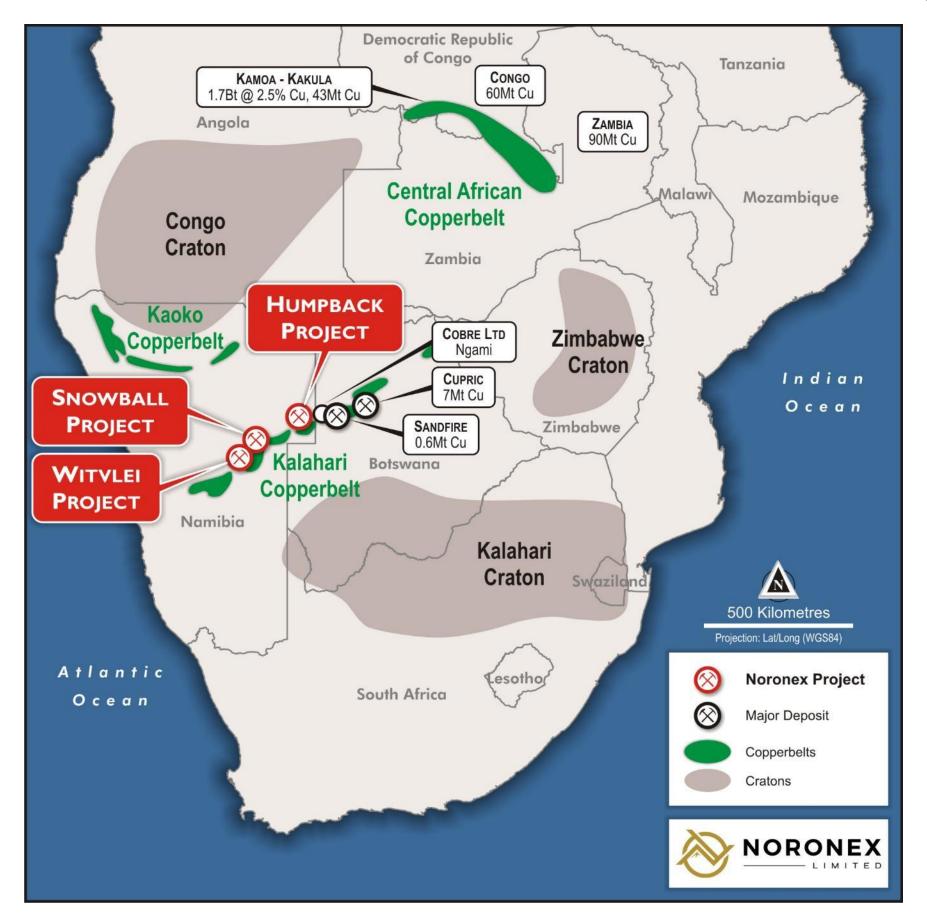
• **Population:** 2.6m

• Land Area: 825,615 km<sup>2</sup>

- Excellent infrastructure: Access to road, rail infrastructure and grid power. Projects are just over one hour from capital
- **Stable Mining Law:** Mining is a leading industry in Namibia and well supported

Kalahari Copper Belt is a known but relatively underexplored sedimentary copper belt

Noronex has experienced in-country team for exploration.





### Noronex Corporate Structure

(ASX:NRX)

### **Board of Directors**

ASX Code	NRX
Shares on Issue	191.9m
Unlisted Options <sup>(1)</sup>	36.5m
Share Price	\$0.06
Market Capitalisation (A\$m)	\$11.5m
Cash (A\$m) (2)	\$2.1m
Enterprise Value (\$m)	\$9.4m
Board / Management Ownership	16.4%

#### David Prentice

Non-Executive Chairman

Experienced junior resources executive and director.

#### Robert Klug

Non-Executive Director

Experienced resources executive and most recently Chief Commercial Officer at Sandfire Resources Ltd.

#### James Thompson

Executive Director

Founder/ director of multiple ASX resources companies. Private equity/ venture capital investment background

#### Piers Lewis

Non-Executive Director

Founder of SmallCap Corporate, a specialist corporate advisor to junior ASX companies

### Key Management

#### Bruce Hooper

Chief Geologist

Experienced resources executive & geologist (30+ years) and most recently Chief Exploration & Business Development Officer at Sandfire Resources Ltd

#### Riaan Kazondunge

Exploration Manager

Geologist (15+ years), successful explorer in Namibia, recently at Wia Gold, Extract Resources.

#### Ivor Kahimise

Geologist – Namibia

Experienced Namibian Geophysicist (15+ years), background with Ministry of Mines, Curtin Uni educated

#### Dennis Ame

Geologist - Canada

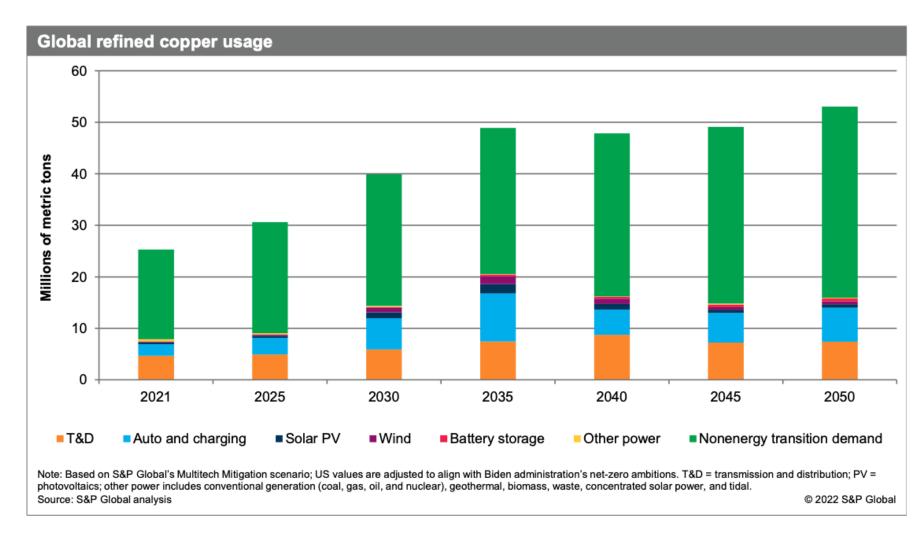
Founder of Telemark Geosciences, experienced geologist (30+ years) and most recently Managing Director of CSA Global in Canada

- 1. Various strike prices from 10-20c
- 2. As at 30/06/22

# WHY COPPER? Demand / Supply

### Copper Market

- Copper is a commodity with strong and growing market fundamentals
- Commentators such as S&P Global forecast copper demand to double from 25 mt today to 50mt by 2035.
- Demand is being driven by industrialisation and electrification (ESG & Green Energy, Renewables, Electric Vehicles, increased Copper Intensity in developing world)
- There is a looming demand/supply imbalance that presents an opportunity to build high-value copper resources for the future supply shortfall
- Majors are and will be actively targeting copper resources for the coming decade



Reference: S & P Global: "The Future of Copper. Will the looming supply gap short-circuit the energy transition " July 2022



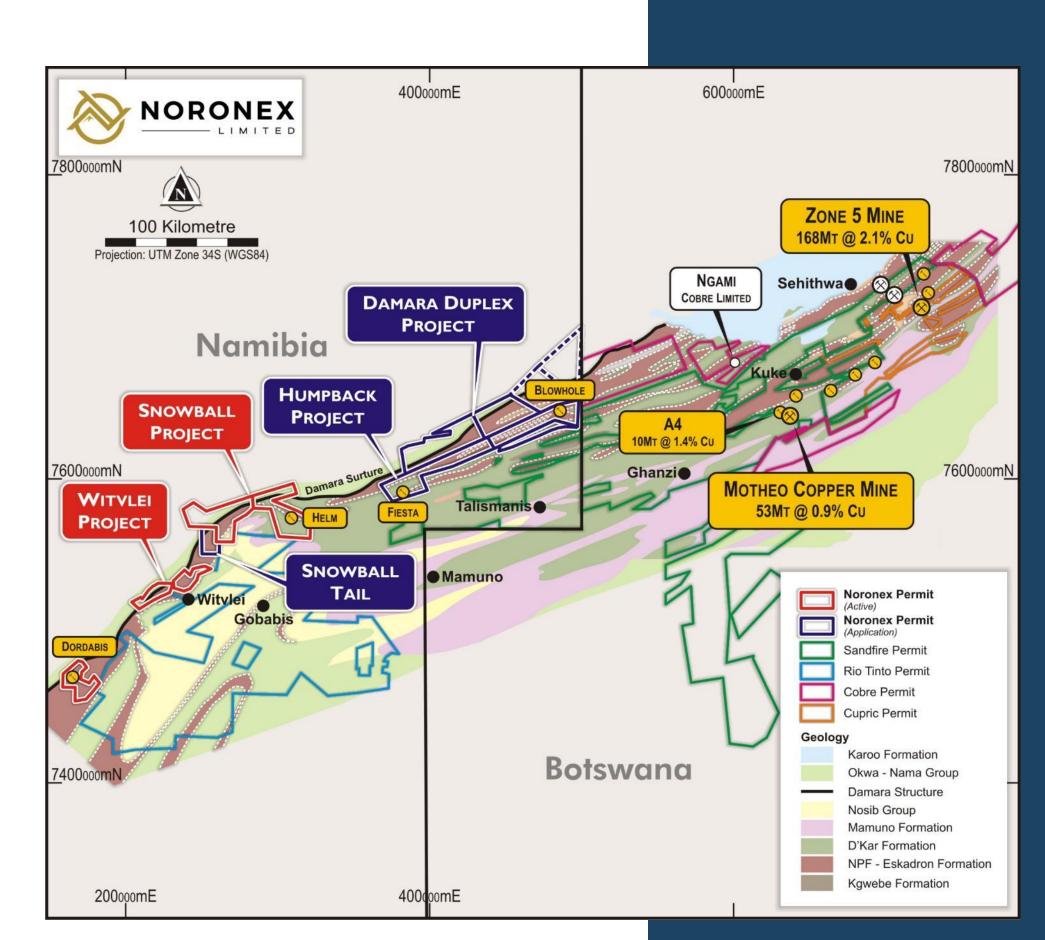


# **Growing Presence**

- Daheim drilling at Witvlei intercepts:
  - · 27m @ 1.6% Cu includes 10m @ 2.5 % Cu
  - 29m @ 0.7 % Cu includes 4m @ 3.3% Cu
- Previously undrilled prospect, follow up underway
- Covered Basement High in Snowball JV
- ~5,600 km<sup>2</sup> of highly prospective ground, >200kms strike
- underexplored historically, shallow Kalahari sand cover

Kalahari Copper Belt becoming a significant producer

- Zone 5, (168 Mt @ 2.1% Cu) ramping up to ~60ktpa Cu,
- Motheo (53 Mt @ 0.9 % Cu) developing ~50ktpa Cu
- New intercepts in Botswana at Ngami, Cobre Metals





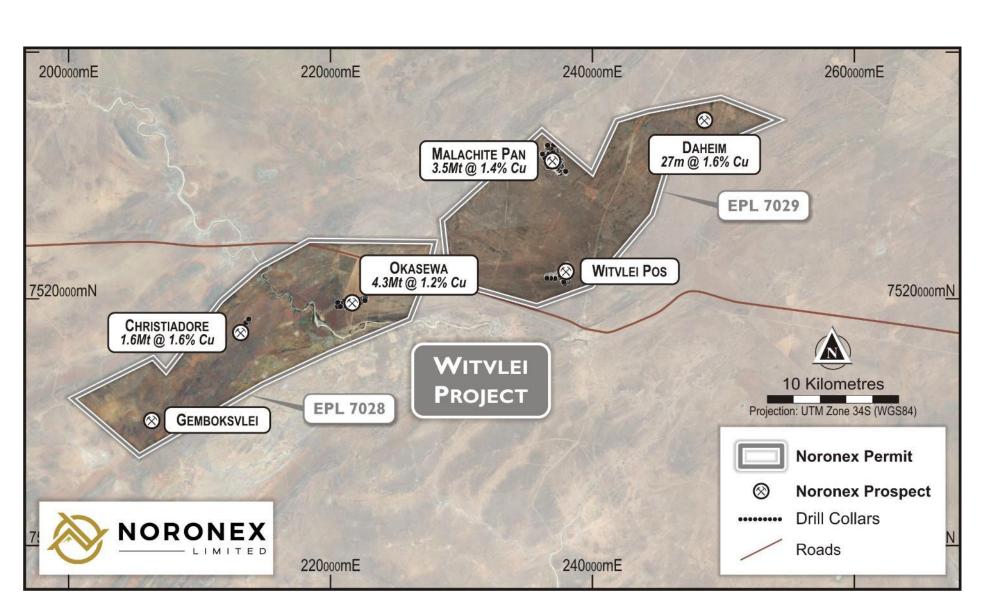
# Witvlei Project

### Inferred and Indicated resources defined in four deposits:

- 10Mt @ 1.3% Cu<sup>1</sup>
- Shallow near surface sulphide mineralization
- Chalcocite in sediments, high grade concentrate
- Three deposits within 30 km and now Daheim
- 100 Km east of capital Windhoek on bitumen highway
- Cattle farming country

#### **Daheim**

Numerous thick high-grade intercepts over 300m width in the first fence of holes

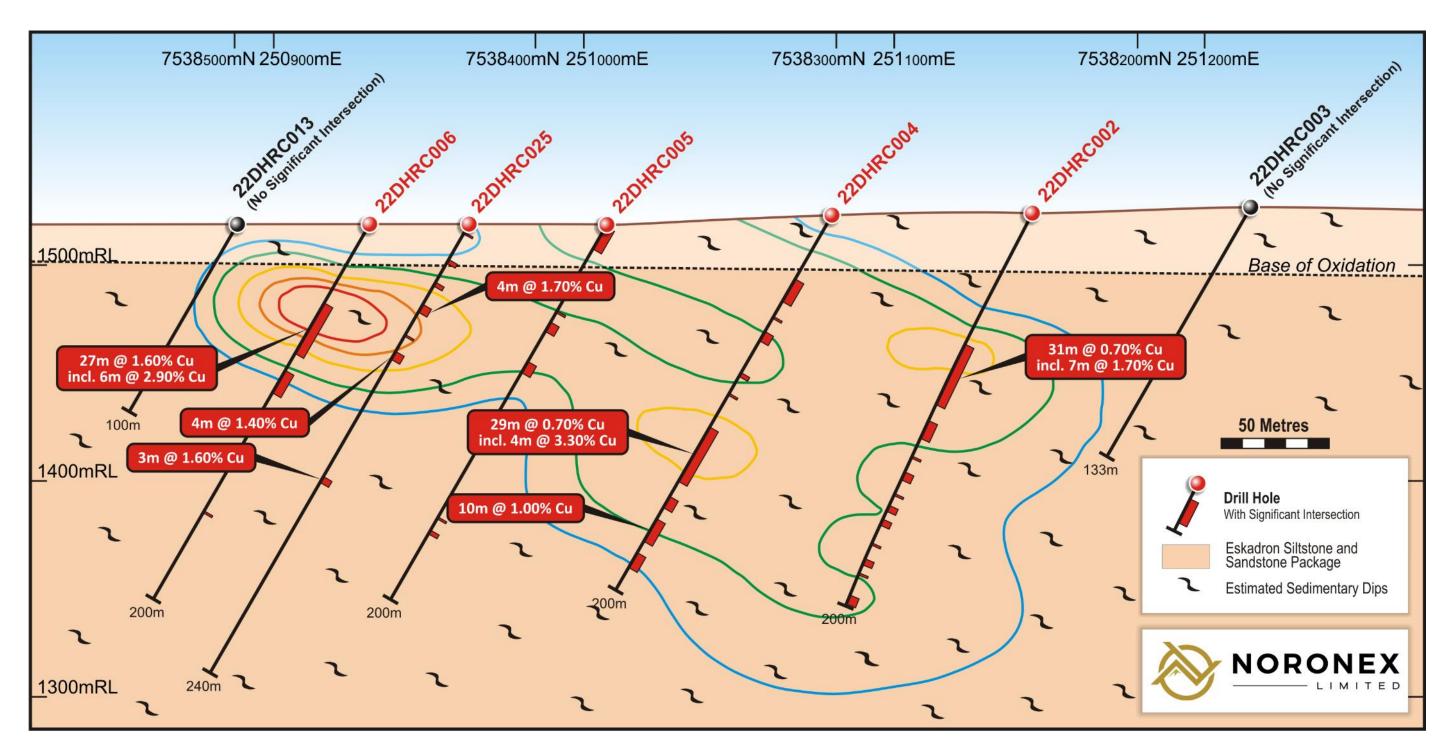


Witvlei project, deposit locations with defined resources

### Copper now intercepted over 1 km strike



## Daheim Drilling



- 27m @ 1.6 % Cu including 10m @ 2.5% Cu
- 29m @ 0.7 % Cu including 4m @ 3.3% Cu and 10m @ 1.0 % Cu
- 31m @ 0.7 % Cu including 7m @ 1.7 % Cu
- 4m @ 1.7 % Cu, 4m @ 1.2 % Cu and 3m @ 1.6 % Cu

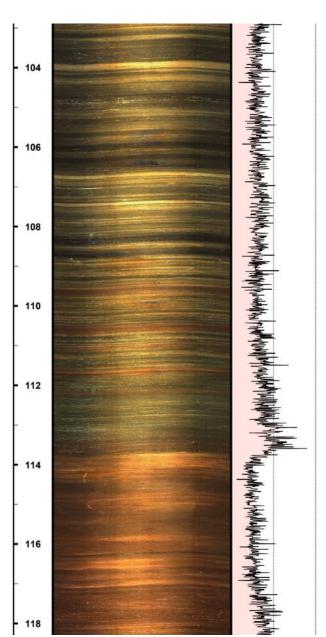
### Wide intercepts include:

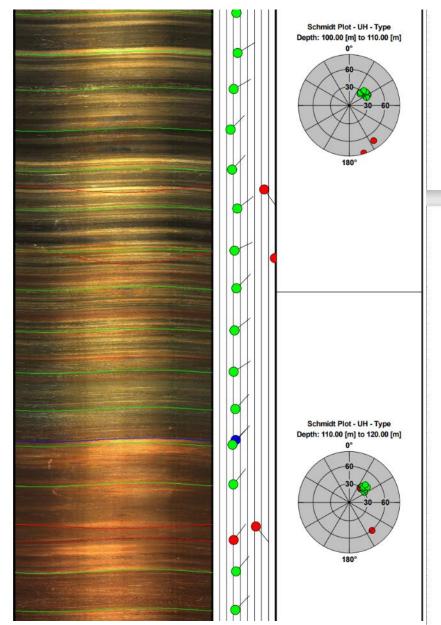
- Hole 22DHRC04 without dilution 153m at 0.39% Cu from 34m
- Hole 22DHRC06 reporting 112m at 0.44 % Cu from 42m

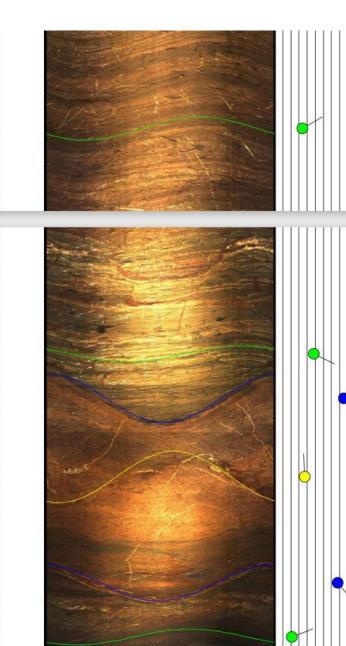


# Daheim Geology









Logged RC Holes to better understand Geology

- Rocks overturned, coarsening up sequences, erosional base
- Accurate dip and strike of bedding
- Build 3d model

Downhole Photography, gamma logs with bedding dips in hole 22DHRC05

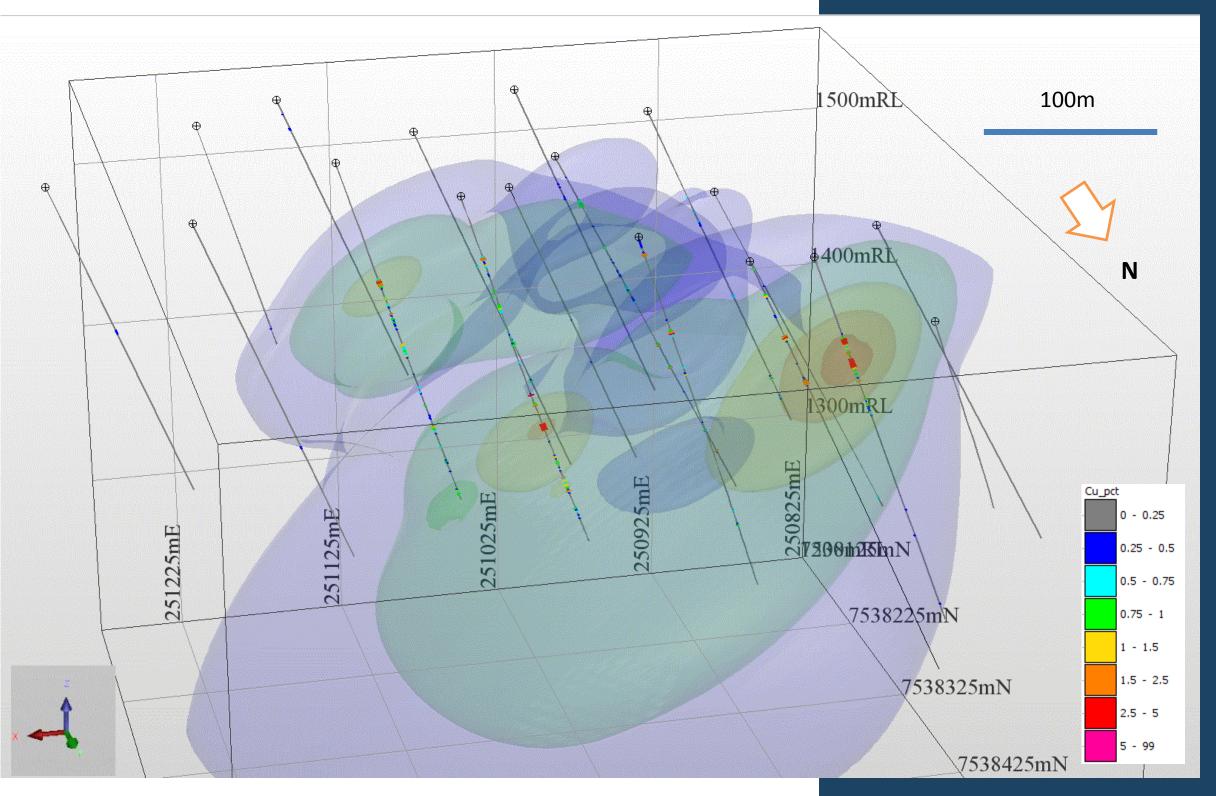


# Daheim Extensional Drilling

#### **Modelling sedimentary bedding**

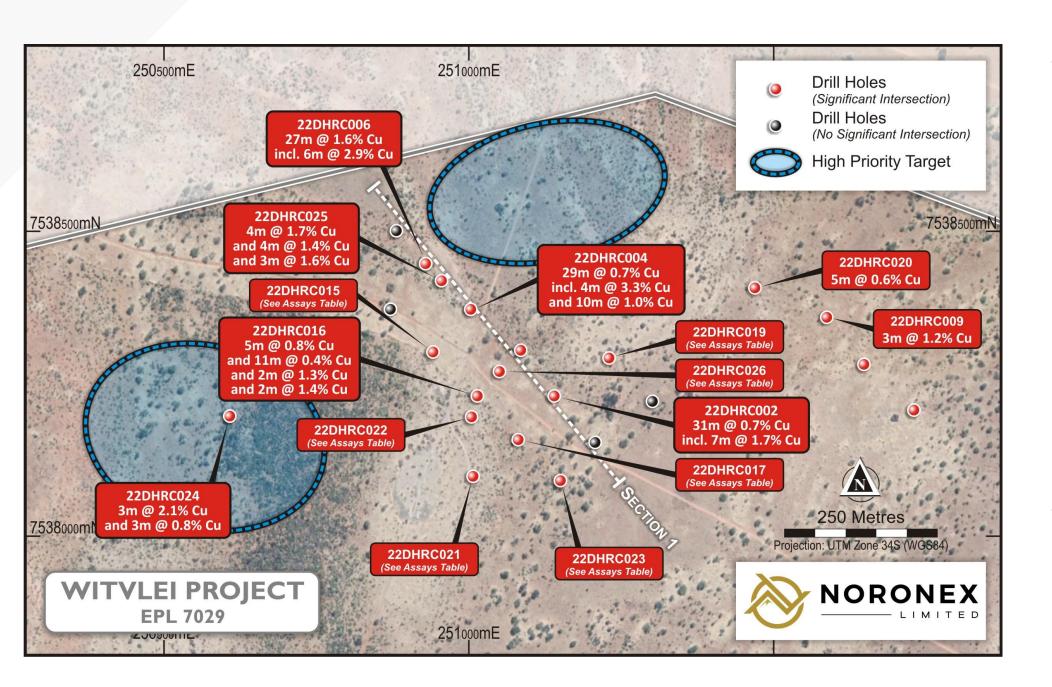
- Bedding oblique to drill sections
- Overturned Sandstone
- Now open down dip to north-east
- Drilling underway







### Daheim Extensional Drilling



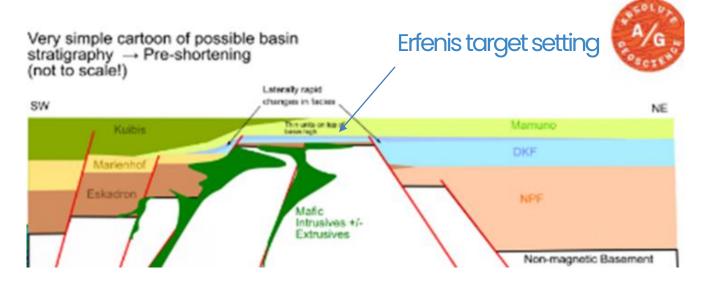
- Extension drilling completed to test system size
  - 11 of 13 holes hit mineralization
  - New Intercepts now cover > 1 km
  - 4m @ 1.7 % Cu, 4m @ 1.4 % Cu and 3m @ 1.6 % Cu in
     22DHRC25
  - o 3m @ 2.1 % Cu and 3m @ 0.8 % Cu in 22DHRC24
  - 5m @ 0.8% Cu, 11m @ 0.4% Cu, 2m @ 1.3 % Cu and 2m @ 1.4 % Cu in 22DHRC16
- High priority targets from new interpretation
  - Under shallow overturned Sandstone to NE
  - 500m West in Hole 22DHRC24
  - Further follow up drilling underway

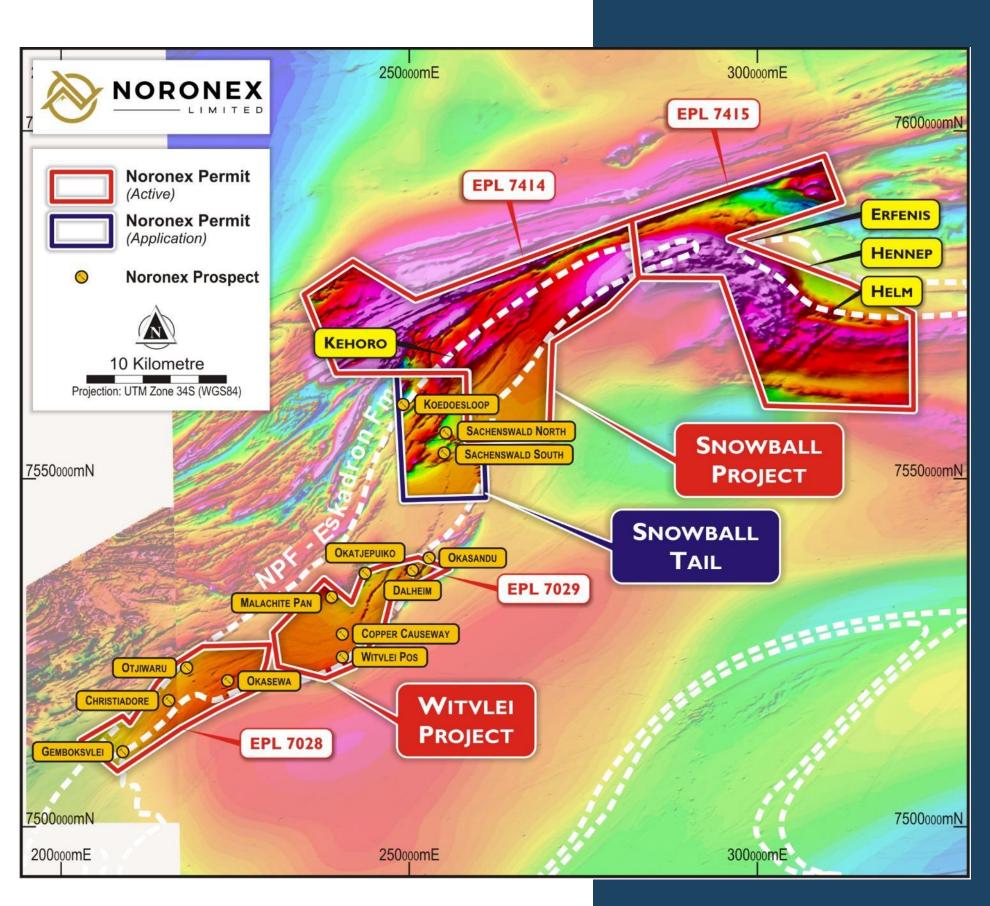


### **Snowball Joint Venture**



- Snowball Joint Venture covers key tectonic setting, condensed sequence over a former basement high
  Typical setting for hosting large scale Sedimentary Copper deposits such as Kamoa in Central African Copperbelt
- Joint Venture signed with Heyn Ohana to earn 80% of
- Targets tested at Hennep, Kehoro North, Erfenis





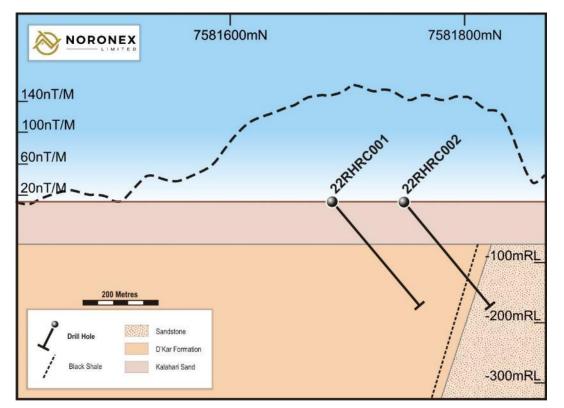
### **Snowball Joint Venture**

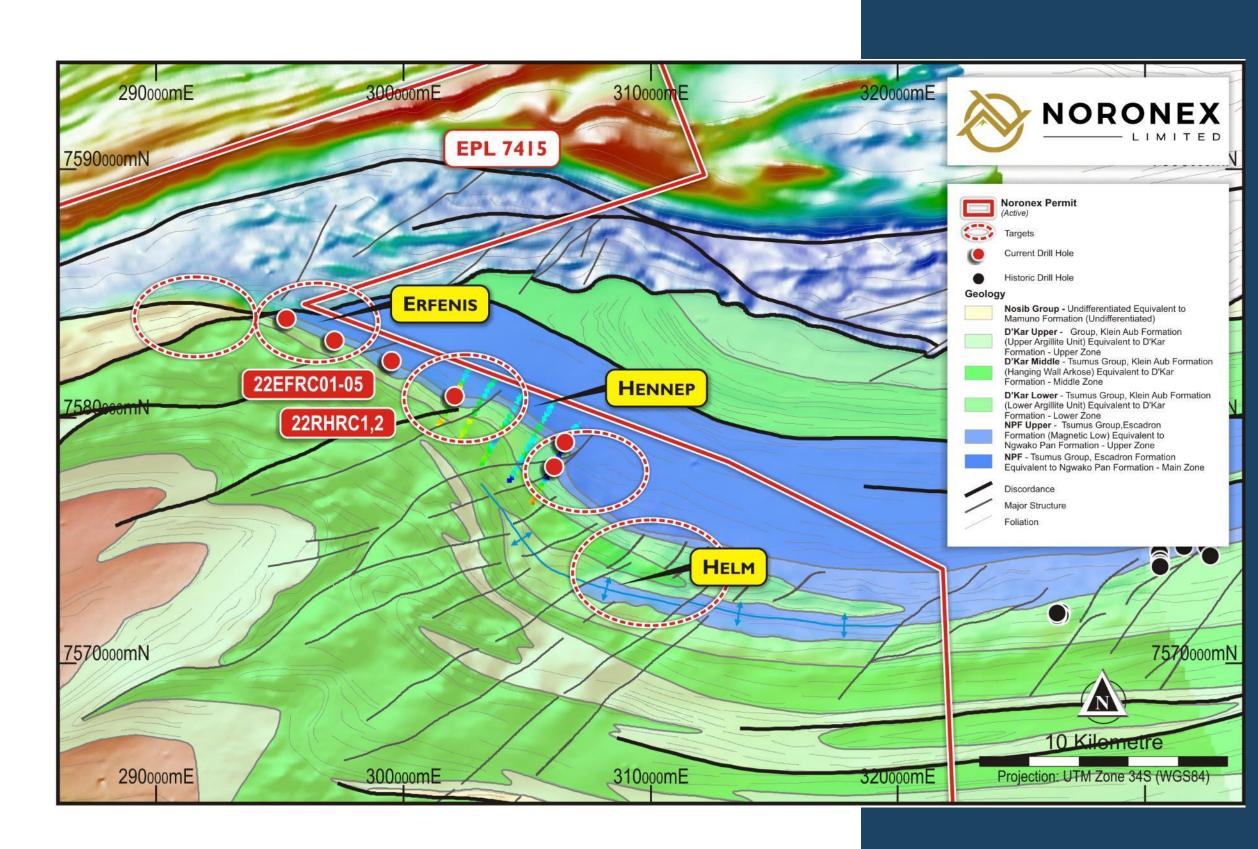


### Domal target at Helm

- Drilling intersected reduced shale
- Ground magnetics defines targets
  Contact of NPF-DKF hosts deposits at Zone 5, Motheo and Ngami Botswana
  Domal target defined at Helm
  Motheo style target
  Basin controlling structures
  Northern limb of fold
- Great Setting Resettlement farm approval

#### **Erfenis**



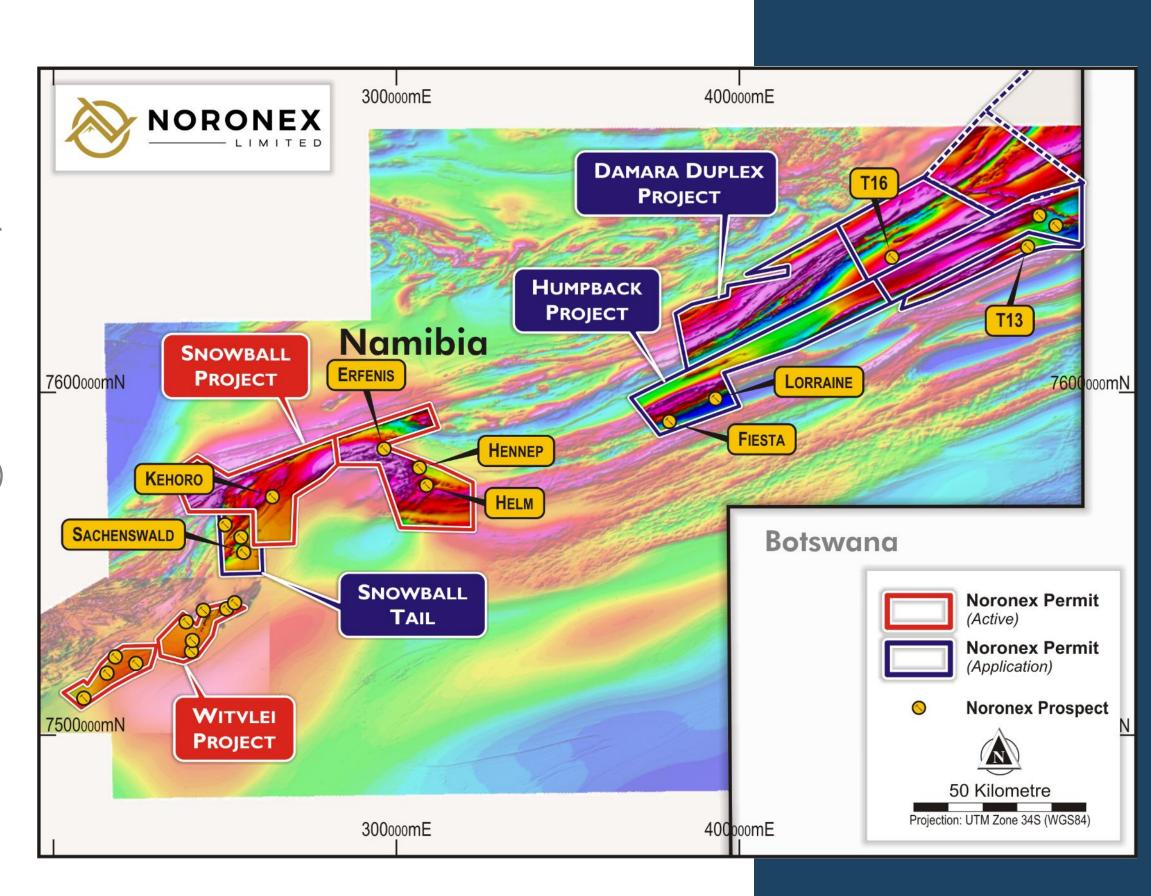




### **Humpback and Damara**

- Applications underway with ECC
  Community Meetings
  Focused on NPF-DKF contact, host for major deposits in Botswana
- 100% Noronex
- Fiesta Prospect, previous drilling over 3 km
   ~120 holes by Cupric Canyon 2014 –2018 includes:
  - 8m @ 2.5% Cu, 78 g/t Ag from 127m (TT ~4m)
  - 13m @ 1.4 % Cu, 1 g/t Ag from 118m (TT ~6.5m, Oxide) and 9m @ 1.8 % Cu, 82 g/t Ag from 224m (TT ~4.5m)



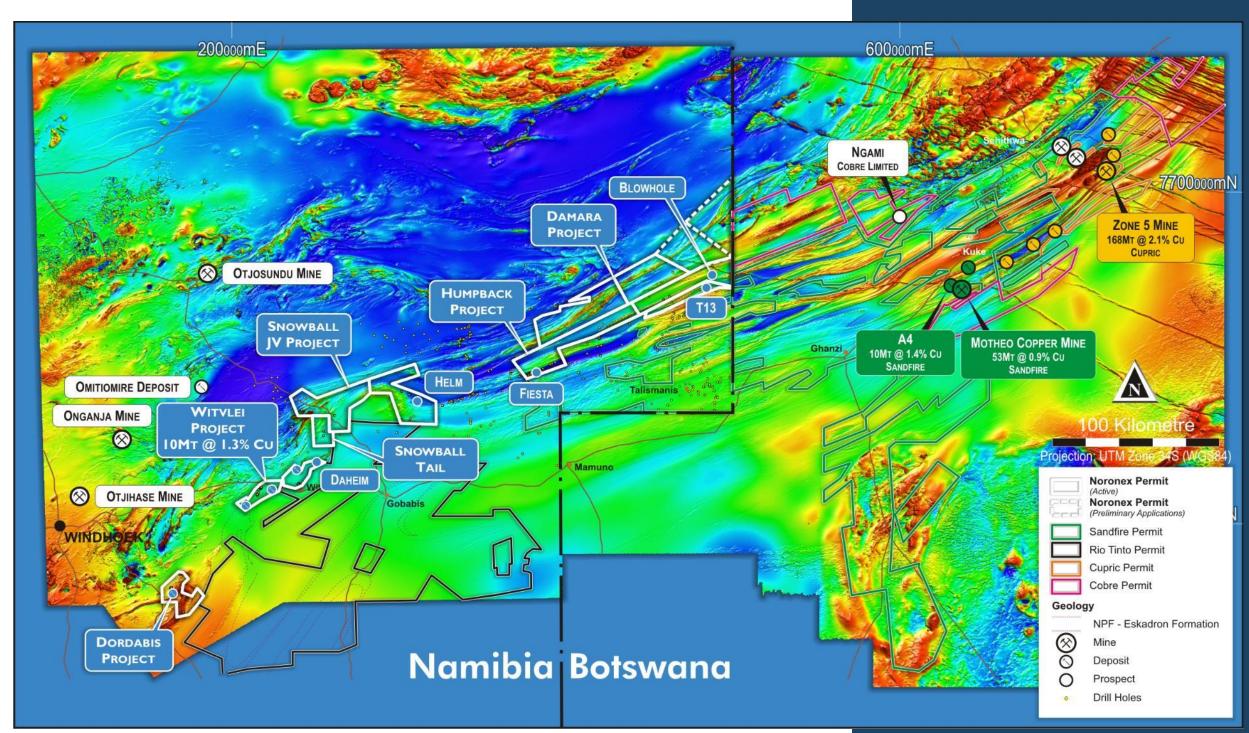




### **New Applications**

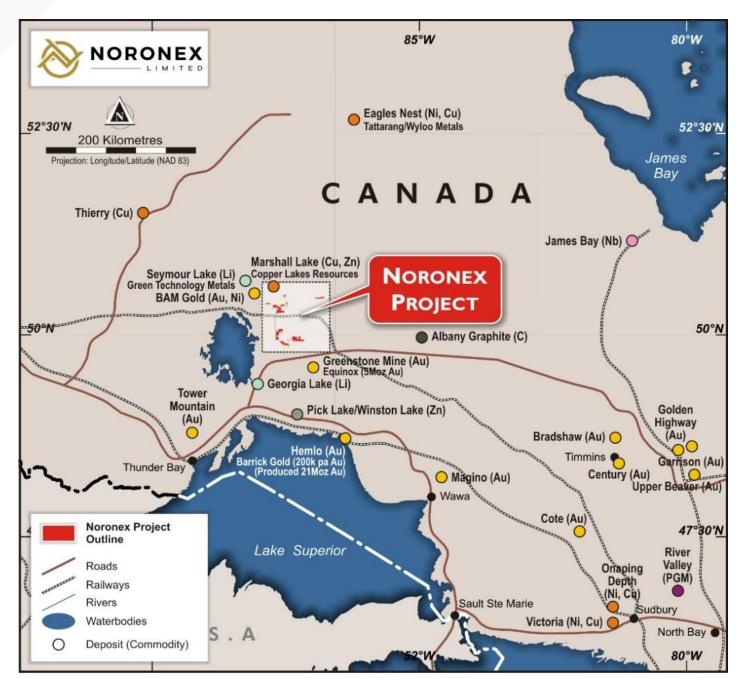
- Control of prospective northern KCB margin in Namibia
  Basement highs
  Volcanics

- Known Copper
  Ngami hits of Cobre Metals
  On same Horizon as Blowhole
  Sheared northern edge of Damara
  Approvals underway
  Drilling planned for later in 2022

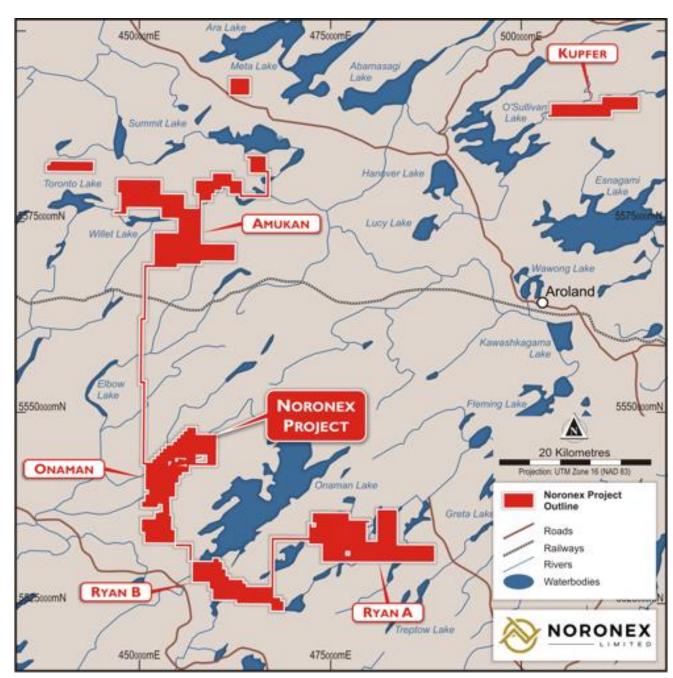




## Ontario Copper Project



**Figure 1:** Noronex Project Location and other Projects being developed in Ontario, Canada



**Figure 2:** Detailed map of Noronex Projects in showing nearby road and rail infrastructure

- Noronex's Canadian copper project is located on the Onaman-Tashota Greenstone Belt approximately 3 hours drive to the northeast of the key mining centre of Thunder Bay, Ontario
- Location is well serviced by the Trans-Canada Highway, rail lines through the property and a highly skilled workforce.
- The region is supportive of the mining sector and is currently seeing the rapid exploration and development of numerous mine sites nearby including those related to battery metals/ green energy sector (including Li, Ni, Cu) as well as multiple Au and PGE mines.



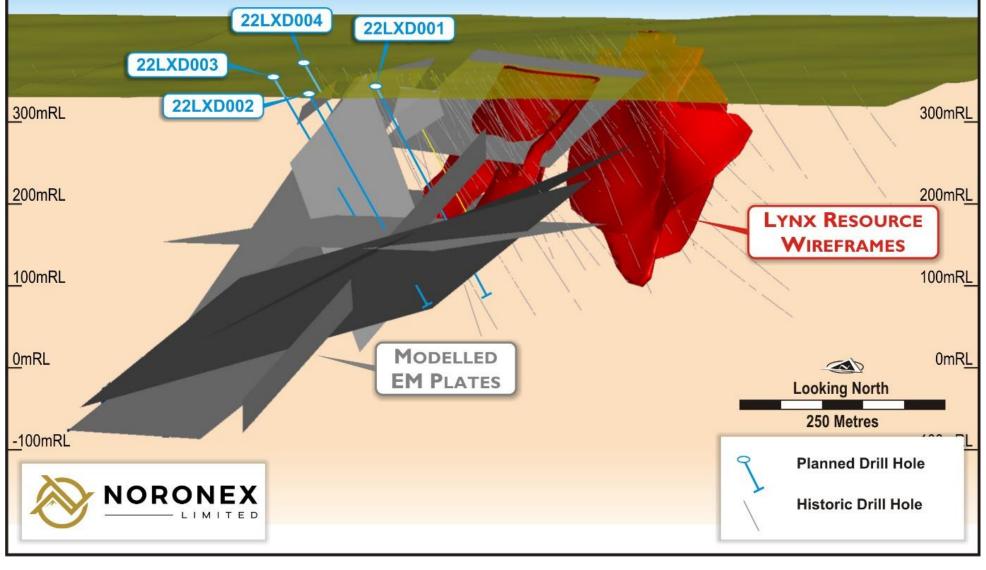
## Ontario Copper Project

# The opportunity – growing a copper inventory in a Tier I mining jurisdiction

- Noronex is one of the largest land holders (32,000Ha) targeting Cu-Au-Ag VMS deposits on the Onaman-Tashota Greenstone Belt
- Lynx Deposit contains a shallow JORC (2012) Inferred Mineral Resource of 1.63 mt of 1.61% Cu, 0.66g/t Au and 40 g/t Ag
- Historical drill intercepts1 including:
  - S06-01: 5.0m @ 6.0% Cu, 1.5g/t Au and 154g/t Ag from 96m
  - S08-33: 7.5m @ 4.9% Cu, 2.0g/t Au and 136 g/t Ag from 111m
  - S08-52: 3.7m @ 8.1% Cu, 6.1g/t Au and 236 g/t Ag from 195m
- Recent drilling at Onaman to test conductive plates for extensions to the Lynx South lens has highlighted the Au-rich nature of the system and includes the following intersections:
  - 28 g/t Au with 0.23% Cu over 1m from 329m in 22LXD003
  - 1.1 g/t Au with 0.5 % Cu over 1 m from 354m in 22LXD003
  - 4.1 g/t Au with 0.28% Cu and 729 ppm Bi over 1m from 358m in 22LXD003



**Figure 1:** Recent 4 hole drill program at Onaman to test EM plates at Lynx



Lynx resource wireframe in red and modelled EM plates for drill testing

1. See Prospectus dated 16 September 2020



# Summary

### Growing Presence on Kalahari Copper Belt

- Building on existing JORC Resource of 10mt @ 1.3% Cu
- New prospect reporting wide intercepts at Daheim (includes 27m @ 1.6% Cu)
- Drill targeting basin margin highs for large deposits under Kalahari cover
- Drilling Snowball JV, domal target at Helm on prospective NPF contact
- Targeting Sedimentary Copper discovery on northern margin of belt

### **Corporate:**

- Strong board and management
  - Extensive knowledge of the copper industry and exploration
- Stable jurisdictions for resource development
- Aggressive drilling strategy

# Resources Competent Person Statement

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1. See ASX release dated 8 March 2021 "10 Mt @ 1.3% Cu Mineral Resources at Namibian Dorwit Project"

 Table 1: DorWit Consolidated Mineral Resources at a cut-off grade of 0.5% Cu as at 01 March 2021

Deposit	Oxidation State	Classification Category	Tonnes (Millions)	Cu (%)	Ag (ppm)	Cu content (kilo tonnes)
Malachite Pan		Indicated	0.11	1.30	7	1.4
	Oxide	Inferred	0.04	1.19	7	0.4
		Total	0.15	1.27	7	1.8
		Indicated	2.81	1.39	8	39.2
	Fresh	Inferred	0.51	1.17	6	6.0
		Total	3.32	1.36	8	45.2
	All	Total	3.47	1.36	7	47.0
Okasewa	Oxide	Inferred	0.09	1.24	4	1.1
	Fresh	Inferred	4.28	1.15	4	49.2
	All	Total	4.36	1.15	4	50.3
Christiadore	Oxide	Inferred	0.02	0.98	-	0.2
	Fresh	Inferred	0.93	1.62	-	15.0
	All	Total	0.95	1.61	-	15.2
	Oxide	Indicated	0.11	1.30	7	1.4
		Inferred	0.14	1.19	-	1.7
<b>Total Witvlei</b>		Total	0.25	1.24	-	3.1
(Malachite Pan Okasewa Christiadore)	Fresh	Indicated	2.81	1.39	8	39.2
		Inferred	5.72	1.23	-	70.3
•		Total	8.53	1.28	-	109.4
	All	Total	8.78	1.28	-	112.5
	Oxide	Inferred	0.29	1.05	-	3.0
Koperberg	Fresh	Inferred	0.91	1.10	-	10.0
	All	Total	1.19	1.09	-	13.0
Total DorWit	Oxide	Indicated	0.11	1.30	7	1.4
		Inferred	0.43	1.10	-	4.7
		Total	0.54	1.14	-	6.2
	Fresh	Indicated	2.81	1.39	8	39.2
		Inferred	6.62	1.21	-	80.2
		Total	9.43	1.27	-	119.4
	All	Indicated	2.92	1.39	-	40.6
		Inferred	7.05	1.20	-	85.0
		Total	9.97	1.26	-	125.6

#### Notes:

- All tabulated data have been rounded and as a result minor computational errors may occur
- 2. Mineral Resources which are not Ore Reserves have no demonstrated economic viability.
- 3. The Mineral Resource is reported as 100% of the Mineral Resource for the project
- 4. The Mineral Resource is reported for mineralisation contained within Whittle optimised pit shells above a cut-off grade of 0.5% Cu, which is based on a copper price of USD 10,000/t, mining costs of USD 3/t ore and USD 2.5/t waste, processing and treatment costs of USD 13/t (mined), G&A USD 2/t (mined), 3% royalty, 2% sales cost, pit slope 45° oxide and 55° fresh, mining dilution 5%, mining recovery 95%, concentrate recovery 90%.



# Onaman Resources <sup>2</sup> Competent Person Statement

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Zone	Tonnes	Cu%	Au gpt	Ag gpt	Cu pounds	Au ounces	Ag ounces
1	233,037	1.71	0.56	52.01	8,798,433	4,200	389,643
2	96,455	1.75	0.29	38.67	3,716,379	912	119,909
3	132,400	2.01	1.16	42.66	5,864,124	4,927	181,590
4	179,899	1.64	0.38	36.35	6,522,738	2,179	210,221
5	420,292	1.15	0.41	24.66	10,609,378	5,555	333,268
7	568,540	1.79	0.92	46.25	22,441,679	16,829	845,401
Total	1,630,623	1.61	0.66	39.68	57,952,730	34,602	2,080,032