

## **IMPORTANT NOTICES**

This presentation has been authorised by the Board of Helix Resources Limited

#### **Competent Persons Statement**

The information in this report that relates to exploration results, Mineral Resource estimates and geological data for the Cobar projects is based on information generated and compiled by Mr Gordon Barnes and Mr Mike Rosenstreich who are both employees and shareholders of the Company. Mr Barnes is a Member of the Australian Institute of Geoscientists and Mr Rosenstreich is a Fellow of the Australasian Institute of Mining and Metallurgy. They both have sufficient experience that is relevant to the styles of mineralisation and types of deposits under consideration and to the activities being undertaken to each qualify as Competent Person(s) as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Barnes and Mr Rosenstreich have consented to the inclusion of this information in the form and context in which it appears in this report.

#### Disclaimer

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#### **Forward Looking Statements**

This presentation may include forward-looking statements. These forward-looking statements are not historical facts but rather are based on Helix Resources Limited's (Helix) current expectations, estimates and assumptions about the industry in which Helix operates, and beliefs and assumptions regarding Helix's future performance. Words such as "anticipates", "expects", "intends", "plans", "believes", "seeks", "estimates", "potential" and similar expressions are intended to identify forward-looking statements. Forward-looking statements are only predictions and are not quaranteed, and they are subject to known and unknown risks, uncertainties and assumptions, some of which are outside the control of Helix. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward-looking statements or other forecast. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward-looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Helix does not undertake any obligation to update or revise any information or any of the forwardlooking statements in this presentation or any changes in events, conditions or circumstances on which any such forward looking statement is based.

#### **Cautionary Statement on Visual Estimates of Mineralisation**

References in this presentation to visual results are from RC and diamond core drilling. Visible oxide mineralisation in RC drilling consisted of gossan and trace malachite. Fresh sulphide mineralisation (chalcopyrite and pyrite) consisted of disseminated, veins and stringers as well as semi to massive pyrite and chalcopyrite. Visible oxide mineralisation in HQ and NQ core drilling consisted of trace - minor copper hydroxides and possible gossan (hematite and goethite) with trace chalcocite. Fresh sulphide mineralisation consisted of disseminated, veins and stringers as well as semi to massive chalcopyrite. Further details are in ASX reports referenced.

Visual estimates of percentages are based on preliminary visual observations of the RC chips and drill core and may not be representative of the entire sample interval. Laboratory assays are required for representative estimates of copper and other metal contents.



# HLX SNAPSHOT

STRATEGIC VALUE

Focused, active copper discovery company





~A\$8.6m cash (31 Dec 2022)

Nickel-cobalt

laterite resource1

Homeville (18Mt at 0.9%

Ni & .06% Co)



> 2,000km2 of highly prospective ground in Cobar region, NSW



Copper resources<sup>1</sup>
52kt attributable
contained copper



Strategic location - to existing operations and Infrastructure Only ~50km from CSA, Tritton, Peak/Hera, Peel deposits



Locally based, fulltime exploration team



Helix - historically undercapitalised – now focussed on aggressive exploration to grow the existing 3.5Mt at 1.7% Cu Resources

<sup>1</sup>Refer Appendix A for details on Mineral Resources

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# HEL X

# HLX SNAPSHOT

CORPORATE (ASX:HLX)

#### CAPITAL STRUCTURE

Share price (18 March 2023)	\$0.006
Shares on Issue	2,323M
Options & Performance Rights (unlisted)	86M
Market Capitalisation	\$14M
Cash (31 December 2022)	\$8.6M
Number of Shareholders	~3,500

#### **BOARD & MANAGEMENT**

Peter Lester (Mining Eng./BD)
Non-Executive Chairman

Mike Rosenstreich (Geo./ Banker) Managing Director

**Kylie Prendergast (Geo.)**Non-Executive Director

**Gordon Barnes (Geo.)** Exploration Manager

Meagan Hamblin (Finance)
Chief Financial Officer

**Ben Donovan (Corp.)**Company Secretary

## KEY SHAREHOLDERS (28 Feb 2023)

**BPM Investments Limited** 4.97%

Yandal Investments Pty Ltd 2.23%

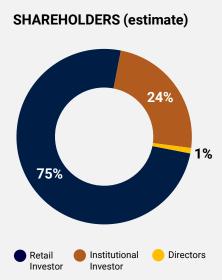
Mr Bulent Basim 1.65%

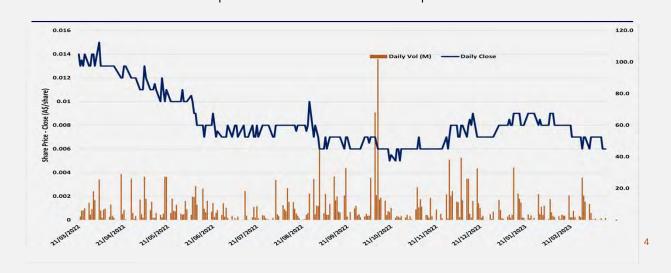
Ashanti Investments Fund Pty Ltd

1.44%

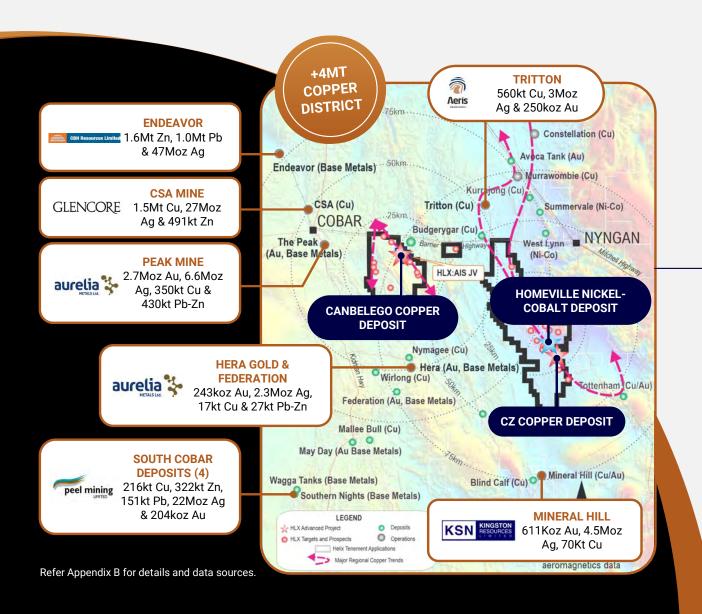
**Mr C.A. & Mrs U.A. Mingay** 1.41%

Top 20 Holders hold 25% of fpo Shares











## **COBAR**

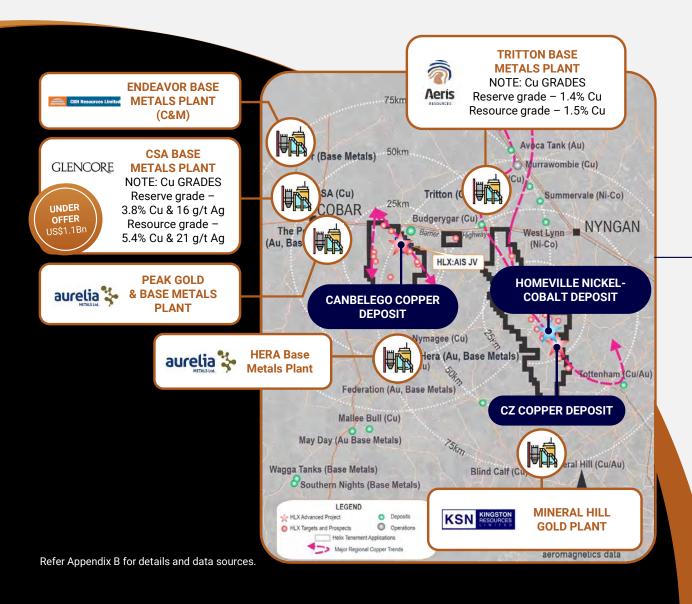
A PROLIFIC COPPER REGION

# Focussed solely on the Cobar Region, NSW

Large landholding with existing resource in highly mineralised province:

- Major regional metal endowment of:
  - -4.3Mt Copper
  - 5Moz Gold
  - 110Moz Silver
  - -3.6Mt Lead + Zinc







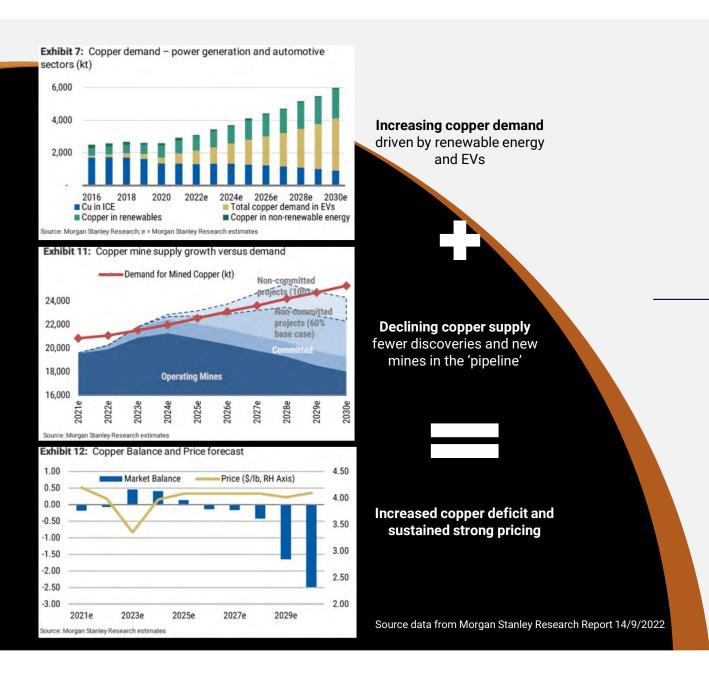
## **COBAR**

A PROLIFIC COPPER REGION

# Production pathways with local processing options

Strategically located in close proximity to:

- 6 base metals & gold operations
  - CSA Mine (operating)
  - Tritton (operating)
  - Hera (operating)
  - Peak (operating)
  - Mineral Hill (operating)
  - Endeavor (Care & Maintenance)
- Towns, sealed roads, rail and reticulated power





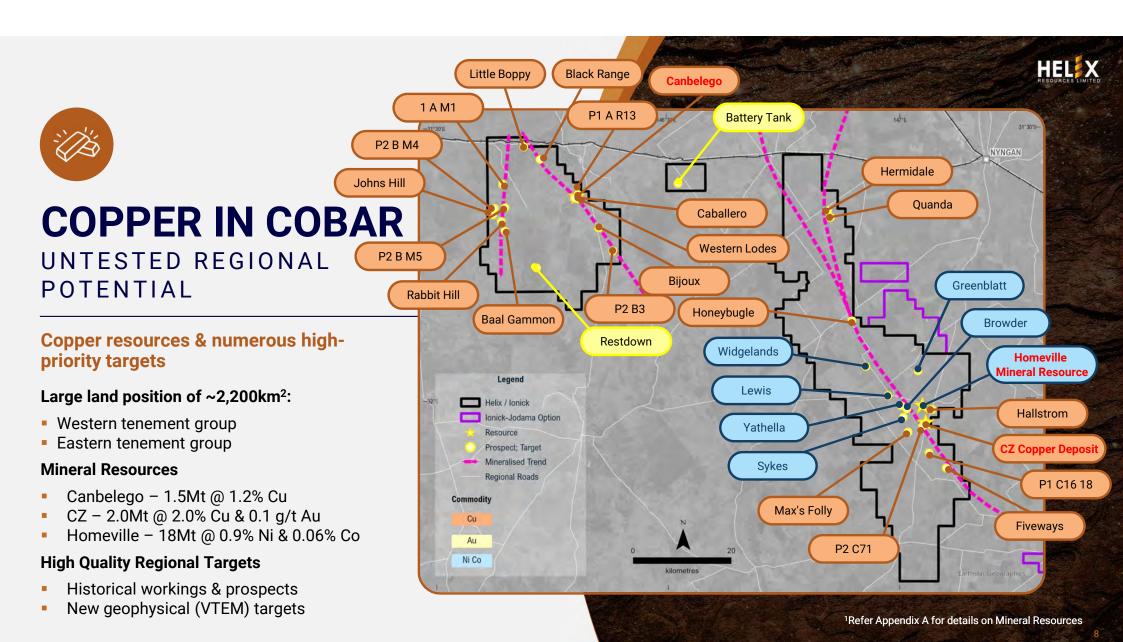


# **COPPER FOCUS**

STRONG DEMAND OUTLOOK

Copper is 'electron agnostic'

It is essential for <u>all</u> electrical energy transmission - regardless of source





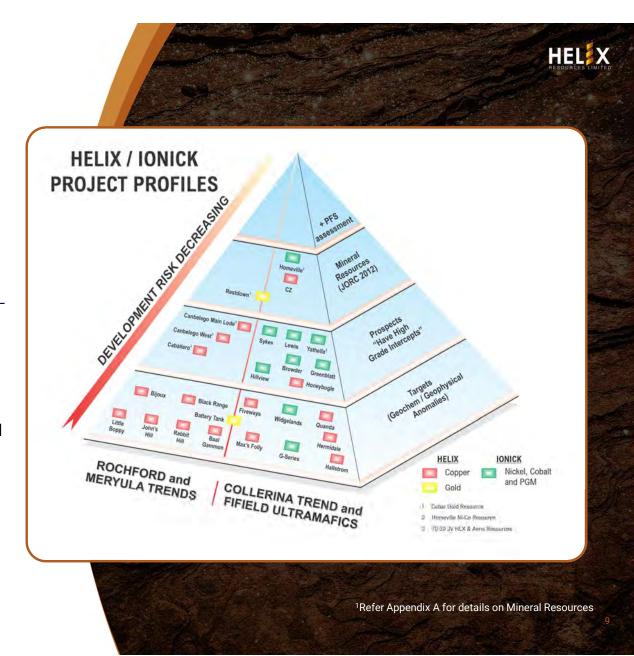
# **COPPER IN COBAR**

# UNTESTED REGIONAL POTENTIAL

Strategy – aggressive drilling of advanced projects and highly active regional target tests

#### Regional exploration building up momentum

- 2 year hiatus due to weather related access constraints
- Numerous early stage targets currently being investigated
- "underexplored".... "numerous exciting targets!"
- HLX needs to 'PROVE IT', take risks, test them, make new discoveries
- Regional exploration is underway and gaining momentum with strong funding





# **COPPER IN COBAR**

UNTESTED REGIONAL POTENTIAL

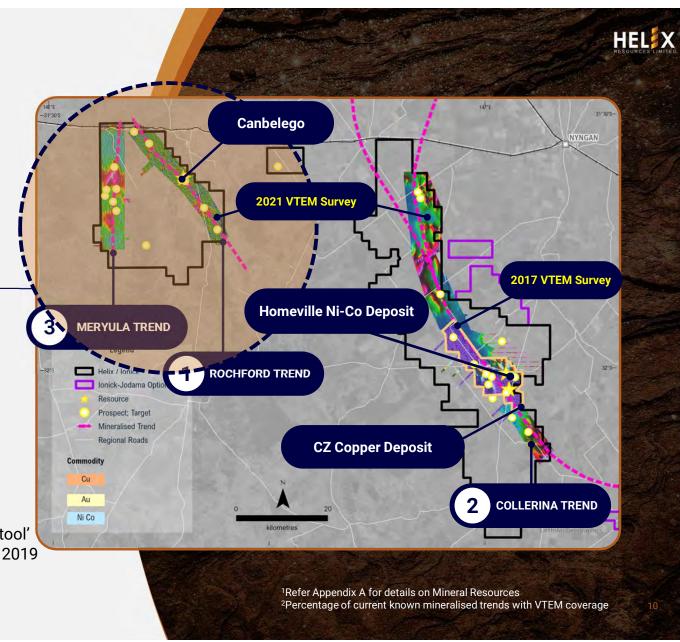
Copper resources & high-priority targets on major regional trends

Three Major regional scale copper trends:

- 1 Rochford Trend 30 km Canbelego Mineral Resource<sup>1</sup>
- Collerina Trend 80 km The Central Zone (CZ) Mineral Resource¹
- Meryula Trend 25 km
  Earlier stage Cu (+Pb/Zn) targets

Airborne electromagnetics (VTEM) – major 'discovery tool' in the region eg Constellation discovery by Aeris in Dec 2019

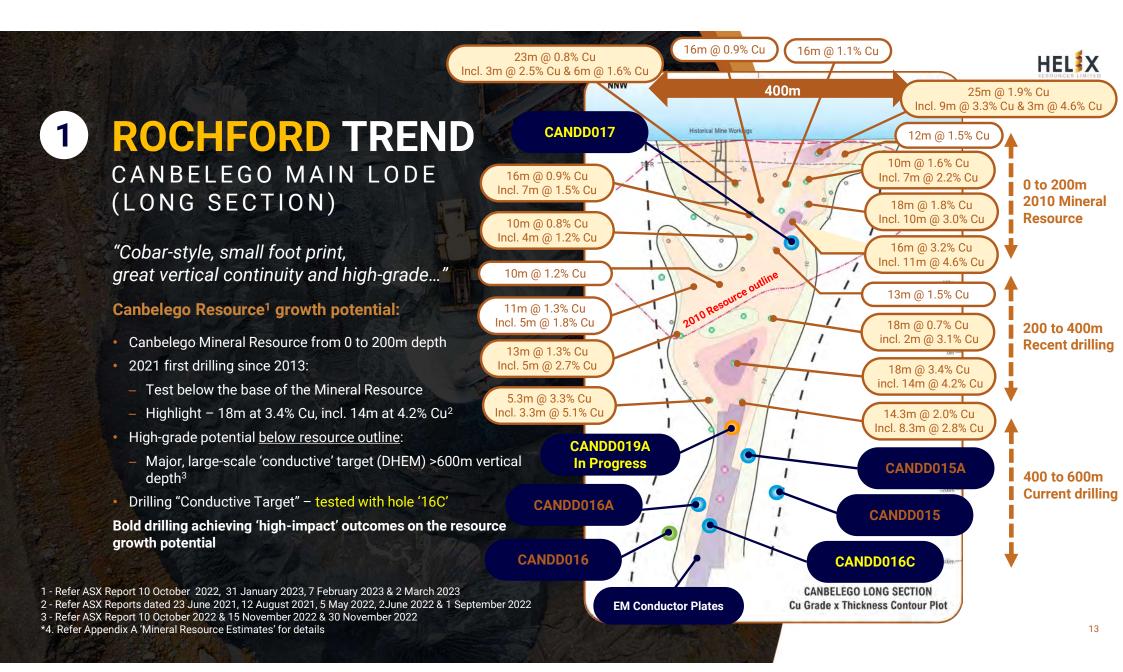
- 2017 HLX 20%<sup>2</sup> VTEM coverage
- 2021 HLX 100% VTEM coverage



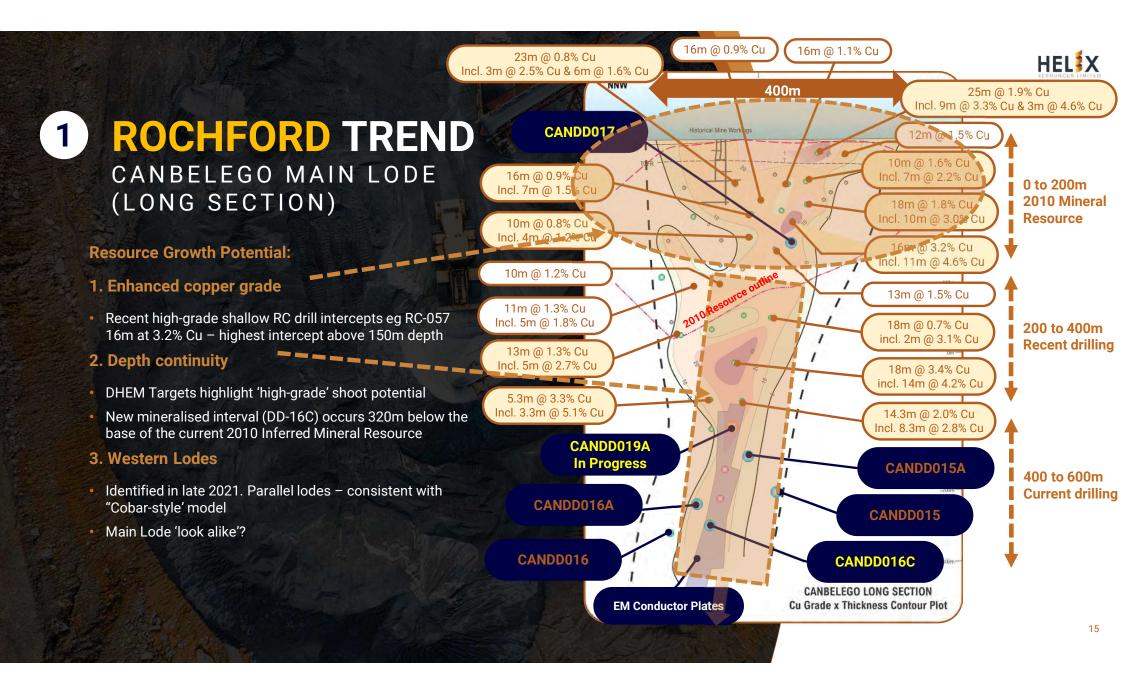


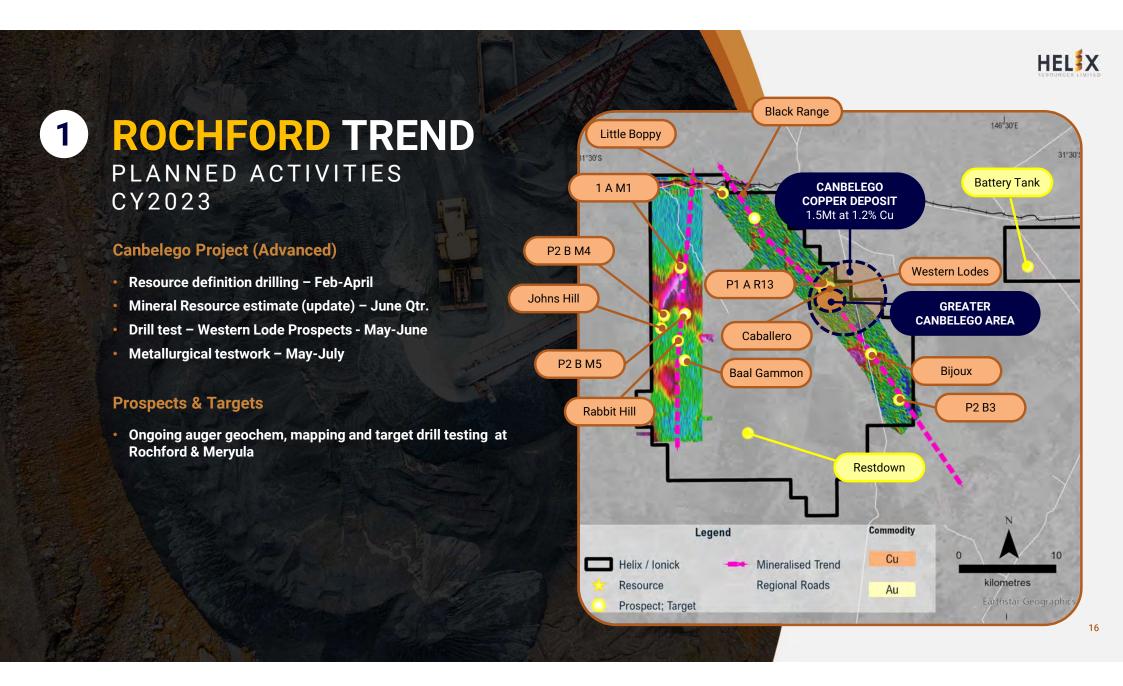


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# **COPPER IN COBAR**

# UNTESTED REGIONAL POTENTIAL

>80 km of mineralised trend – much untested



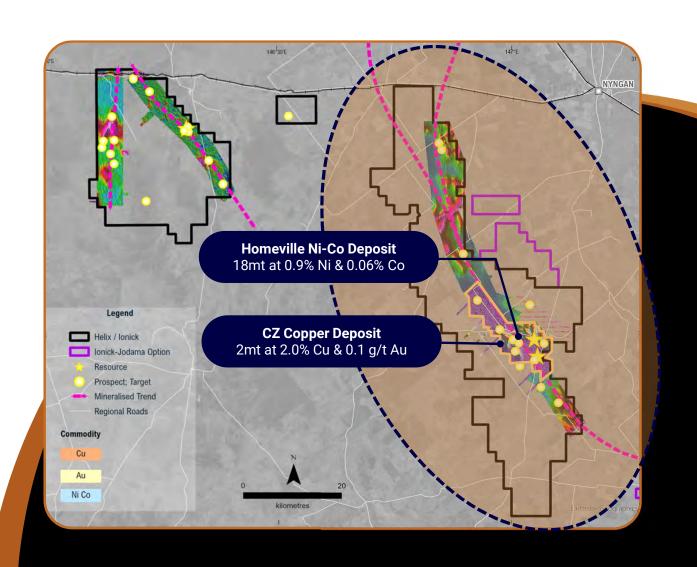
- Advanced CZ Project (100% HLX)
- Prospects
- Regional Targets (100% HLX)

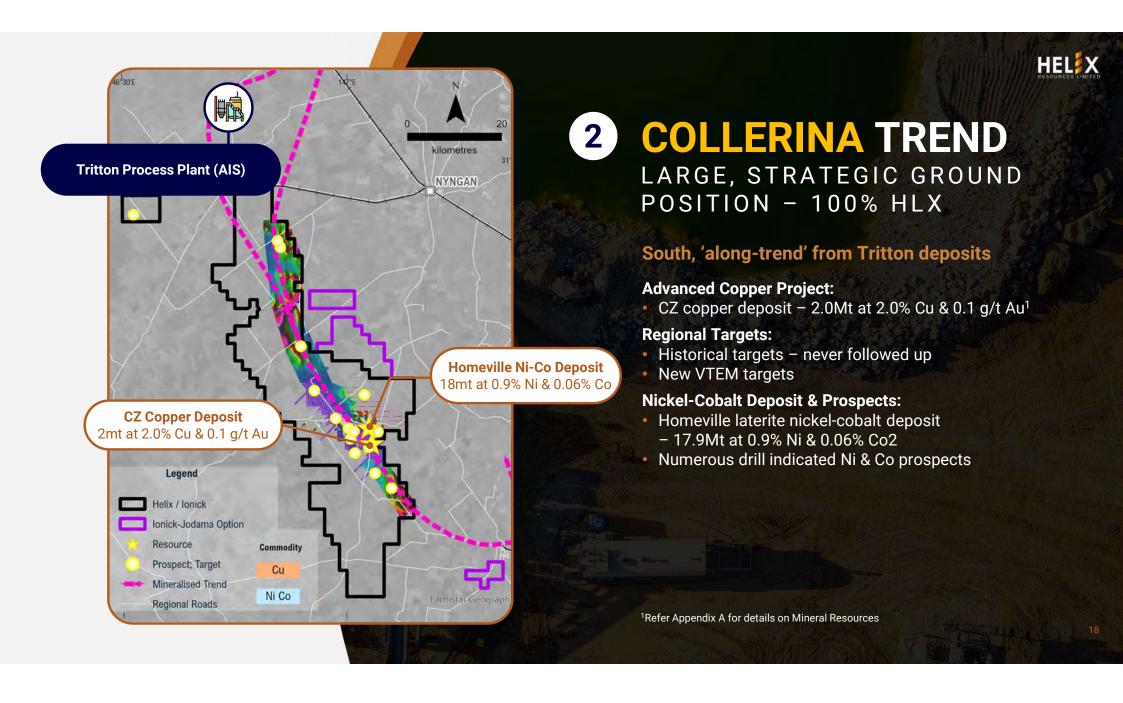
#### Exploration Model - 'Tritton style' deposits

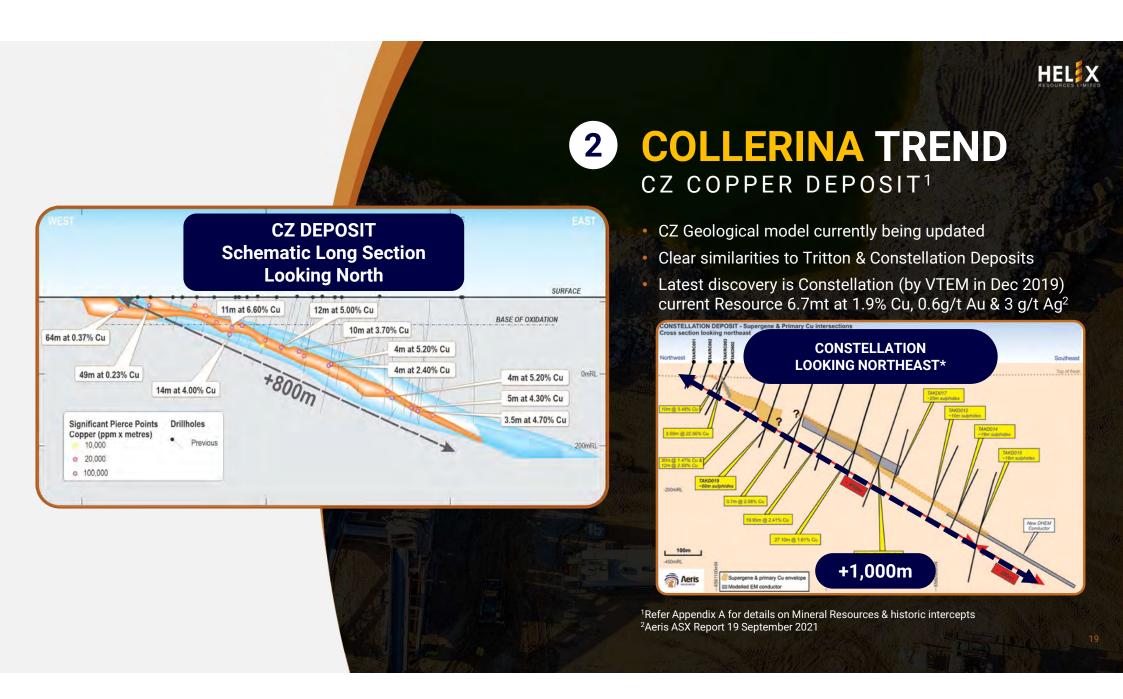
- Small 'footprints' deep vertical extensions
- Multiple deposits along trend
- Moderate to high-grade copper with gold

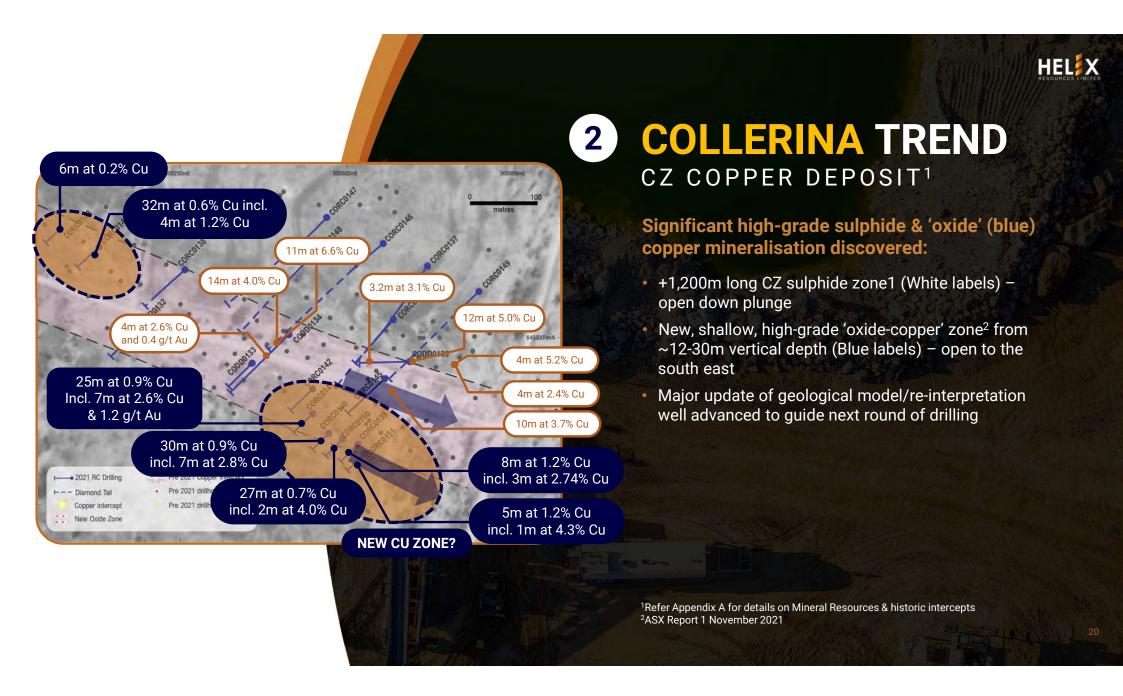
**Example**: Tritton Operations north along Collerina Trend<sup>1</sup>:

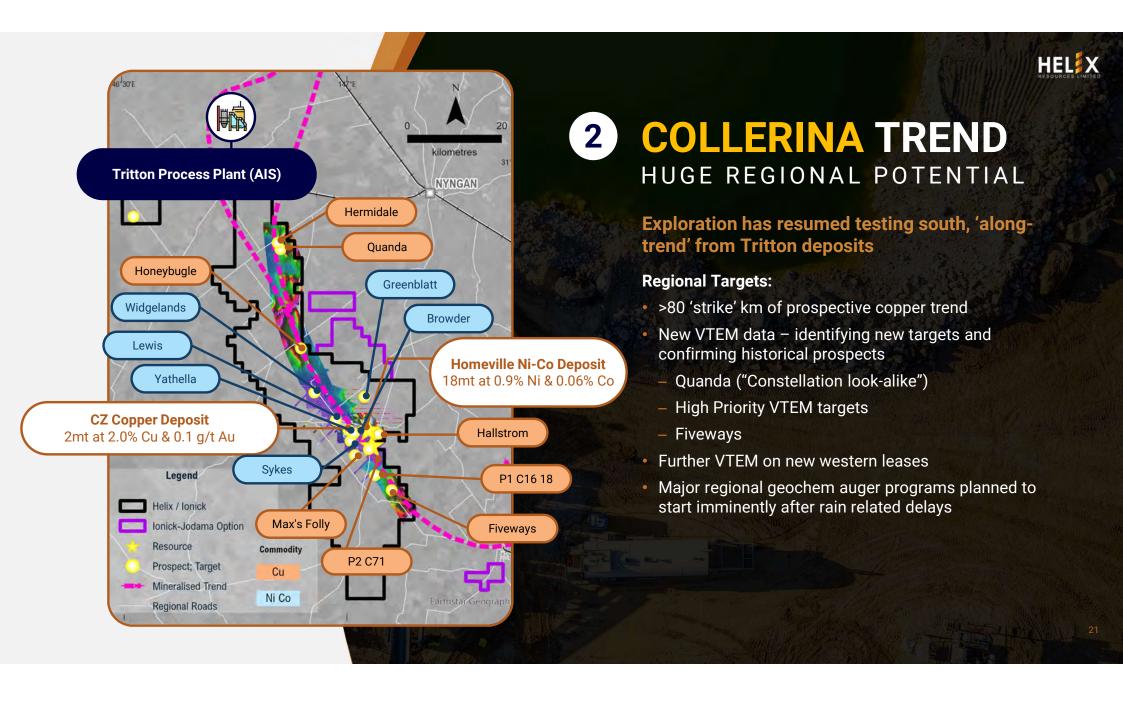
- Multiple OC & UG deposits discovered and mined for past 30 years
- Constellation recent discovery by VTEM
- ~>500kt Cu & 0.3Moz Au endowment











3 NICKEL-COBALT ASSET COMMERCIALISATION



- Significant Ni-Co assets on HLX tenements
- Ionick Metals Ltd holding company for consolidation of Ni-Co assets and potential IPO

#### Nyngan Nickel-Cobalt Project (NNCP)

- Homeville Nickel-Cobalt Deposit ~18Mt at 0.9% Ni & 0.06% Co (88% Inferred/12% Indicated)<sup>1</sup>
- Excellent grade for laterite style mineralisation

HEL!X **Tritton Copper Deposits** West Lynn (Ni Co) Project **←** 55km to Coba **Nyngan Scandium Project NI-CO PROSPECT AREA Homeville Ni-Co Deposit** 18mt at 0.9% Ni & 0.06% Co **CZ Copper Deposit Tottenham Copper Project Hillview Prospect Tiger Creek Project** Helix / Ionick **Jodama Tenure** Platina (Sc Co Ni) Project Sunrise Minerals Ni - Co Prospects **Sunrise Project Flemington Project** Regional Roads DEM RTP VI ENE

<sup>1</sup>Refer Appendix A for details on Mineral Resources

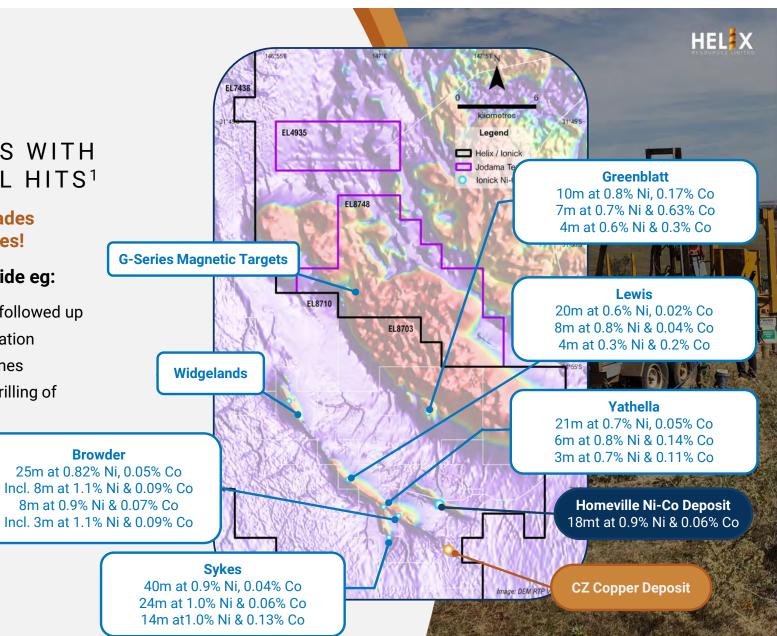
# 3 NNCP

MANY PROSPECTS WITH HIGHGRADE DRILL HITS<sup>1</sup>

Excellent nickel & cobalt grades – focus is to find more tonnes!

#### **Compelling Exploration Upside eg:**

- Significant prospects never followed up
- Thick shallow Ni-Co mineralisation
- High-grade laterite Ni & Co zones
- 'Easy' exploration shallow drilling of 'magnetic' ultramafic rocks



<sup>1</sup>Refer ASX reports from 19 January 2018 and 11 May 2018





# DEVELOPING AN INDEPENDENT BUSINESS PLAN

Comparison with Australian emerging Ni-Co projects – genuine high-grade Ni-Co laterite

- High 'Nickel-Equivalent" grade deposit based on nickel and cobalt grades only
- Supported by encouraging, preliminary metallurgical testwork
  - Ni & Co recoveries > 90% at atmospheric leach<sup>1</sup>
- Examining a range of established process technologies and sustainable inputs
- Ionick Metals IPO ~ Q3 CY2023

Project		Owner Location	Ni (Eq) Grade (%)	Tonnes (Mt)	Ni Grade (%)	Co Grade (%)	Contained Metal (Kt)	
	Owner						Nickel	Cobalt
NSW Projects								
Homeville	ASX:HLX	NSW	1.01%	18	0.89%	0.06%	160	10
West Lynn	ASX:ALY	NSW	0.94%	21	0.84%	0.05%	179	11
NiCo-Young	ASX:JRV	NSW	0.73%	93	0.63%	0.05%	589	46
Sunrise	ASX:SRL	NSW	0.72%	177	0.53%	0.09%	935	168
WA Projects								
NiWest	ASX:AXN	WA	1.16%	85	1.03%	0.06%	878	55
Central Musgraves	ASX:NC1	WA	1.05%	216	0.91%	0.07%	1,953	154
Kalgoorlie Nickel Project	ASX:ARL	WA	0.80%	831	0.71%	0.05%	5,879	384
Quicksilver	ASX:G88	WA	0.73%	26	0.64%	0.04%	169	11
'Others' in Australia								
Barnes Hill	NQM Plc	Tas	0.93%	7	0.81%	0.06%	54	4
Sconi	ASX:AUZ	Qld	0.76%	116	0.64%	0.06%	736	71

Metal Price assumptions for Ni(Eq) grade estimate

Ni Co
(US\$/t) (US\$/t)

20,000 39,683



 $<sup>\</sup>hbox{* No metallurgic val recovery or payability factors applied to the Ni(eq) calculation}$ 





#### **Highlights and Achievements:**

- Baseline ESG Disclosure Report published reporting against the WEF Stakeholder Capitalism Metrics
- Community Engagement Engaged a Community & Landowner Relations Manager to ensure Helix is in tune with Community issues and potential concerns related to its activities
- Workplace Safety and Training Workplace safety standards and procedures reviewed and updated

#### **OPERATIONS & REVENUE**

**EXPLORATION & DISCOVERY** 

#### **SUSTAINABILITY PLATFORM**





Respectful, Accountable, Bold, Innovative, and Analytical

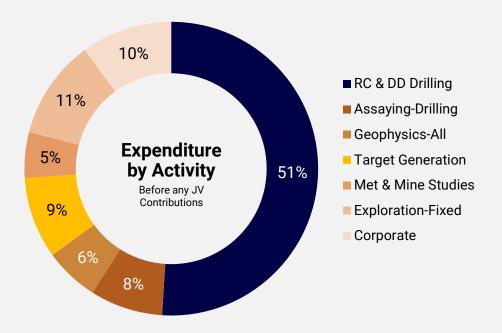


# HEL X

## **EXPENDITURE & NEWS**

#### Planned expenditure<sup>1</sup> of ~\$7M to end of CY2023

- Orange based Exploration Team of 5 FT and 3 PT Geologists
   + Field Technicians
- >50% on Direct Drill costs & c.90% on Exploration activities



#### **Near-term news-flow:**

#### Canbelego Main Lode

- Deep drilling; visual results March
- Downhole geophysics (EM) March
- Assays March-April-May
- Drilling ongoing (subject to results)
- Mineral Resource estimate June Qtr.

#### **CZ Advanced Copper Project (March guarter)**

- Preliminary metallurgical testwork outcomes
- Updated geology, target zones and planned drilling

#### Regional (subject to access)

- High priority targets auger drilling & geophysics (ongoing)
- VTEM Review & new survey plans

#### **Nickel-Cobalt**

- Drill plans ongoing
- Ionick Metals business plan March onwards

<sup>&</sup>lt;sup>1</sup>Preliminary plan subject to ongoing exploration results & permitting





## **APPENDIX A**

#### MINERAL RESOURCE ESTIMATES

#### Collerina Copper CZ (June 2019) (0.5% Cu cut-off)

Classification	Туре	Tonnes	Copper	Gold	Contained Copper	Contained Gold
		Mt	%	g/t	t	Oz
Indicated	Oxide/Transition	0.17	1.1	0.0	1,900	200
Inferred	Oxide/Transition	0.46	0.6	0.0	2,700	100
Total	Oxide/Transition	0.63	0.7	0.0	4,600	300
Indicated	Fresh	0.83	2.6	0.2	21,800	6,600
Inferred	Fresh	0.57	2.5	0.1	14,100	2,500
Total	Fresh	1.40	2.6	0.2	35,800	9,100
Indicated	Oxide/Transition	0.17	1.1	0.0	1,900	200
Indicated	Fresh	0.83	2.6	0.2	21,800	6,600
Inferred	Oxide/Transition	0.46	0.6	0.0	2,700	100
Inferred	Fresh	0.57	2.5	0.1	14,100	2,500
Total	Combined	2.02	2.0	0.1	40,400	9,400

(Rounding discrepencies may occur in summary tables)

#### Canbelego\* (October 2010) (0.5% Cu cut-off)

Classification	Туре	Tonnes	Copper	Gold	<b>Contained Copper</b>	Contained Gold
		Mt	%	g/t	t	Oz
Inferred	Oxide/Transition/Fresh	1.50	1.2	N/A	18,000	N/A
Total	Combined	1.50	1.2	N/A	18,000	N/A

(Rounding discrepencies may occur in summary tables)

#### **Homeville Nickel-Cobalt (September 2018)**

Category	Cut-off grade (Ni%)	Tonnes (Mt)	Ni %	Co %	Fe %	Al %
Indicated	0.7	2.2	0.98	0.04	19	2.8
Inferred	0.7	15.7	0.88	0.06	23	3.7
Total		17.9	0.89	0.06	22	3.6

Rounding discrepancies may occur in summary table

# All resources are reported as JORC2012 compliant, unless stated otherwise

NO CHANGE - Helix confirms that it is not aware of any new information or data that has not been reported which materially affects the information included in its ASX releases dated 11 June 2019 and 7 November 2019. All material assumptions and technical parameters underpinning the estimates in those releases continue to apply and have not materially changed.

#### COLLERINA ASX EXPLORATION REPORTS

For full details of exploration results refer to Helix ASX releases dated 4 February 2015, 29 June 2016, 1 December 2016, 3 August 2017, 8 November 2017, 14 February 2018, 27 February 2018, 5 April 2018, 14 May 2108, 13 June 2018, 18 July 2018, 16 November 2018, 10 December 2018, 11 June 2019, 17 November 2019, 4 December 2019, 14 January 2020, 24 March 2020, 2 April 2020, 28 September 2020,15 February 2021, 9 March 2021, 23 March 2021, 30 September 2021 14 October 2021, 1 November 2021, 2 December 2021, 3 March 2022, . Helix is not aware of any new information or data that materially effects the information in these announcements.

#### CABELEGO ASX EXPLORATION REPORTS

For full details of exploration results refer to the ASX announcements 3 May 2021, 12 May 2021, 31 May 2021, 3 June 2021, 23 June 2021, 21 July 2021, 12 August 2021,19 January 2022, 10 February 2022, 12 April 2022, 5 May 2022, 1 September 2022, 10 October 2022. 30 November 2022, 8 December 2022, 13 December 2022, 19 December 2022, 31 January 2023 & 7 February 2023. Helix Resources is not aware of any new information or data that materially effects the information in these announcements.

#### HOMEVILLE NICKEL COBALT MINERAL RESOURCE REPORT

For full details of the Homeville Nickel-Cobalt Mineral Resource estimate refer to ASX Report 28 September 2018 from Alpha HPA, formerly Collerina Cobalt Ltd. Helix Resources is not aware of any new information or data that materially effects the information in these announcements.

<sup>\*</sup> JORC 2004 Compliant Resource: For full details regarding estimation methodologies please refer ASX announcement on 7 October 2010 - reported as 100% of deposit

# **APPENDIX B**

#### KEY PERSONNEL



Peter Lester
Non-Executive Chairman, Mining Engineer

Mr. Lester has over 40 years' experience in the mining industry and has held senior executive positions with North Ltd, Newcrest Mining Limited, Oxiana/Oz Minerals Limited and Citadel Resource Group Limited. Mr. Lester's experience covers operations, project and business development and general corporate activities including financial services. Mr. Lester has served on several ASX listed and private mining boards and is currently Non-Executive Director of Gateway Mining Ltd and Non-Executive Chair of Aurora Energy Metals Ltd.



Meagan Hamblin
Chief Financial Officer

Meagan Hamblin is a Director of Meridian Corporate Consultants with extensive experience in financial reporting, corporate accounting and advisory services. Meagan is a Chartered Accountant, a certified Xero advisor and an associate member of the Governance Institute of Australia.



Dr. Kylie Prendergast Non-Executive Director, Geologist

Dr. Kylie Prendergast is an experienced geologist and technical leader with over 25 years' experience within the international mining and resource sector. She has worked across a range of different operating jurisdictions, including significant in-country assignments and expatriate roles. This has included substantial business development, project technical and economic evaluation, and commercial management, including direct interaction with a range of stakeholders in global resource capital markets.



Ben Donovan
Company Secretary

Mr. Donovan is a member of the Governance Institute of Australia and provides corporate advisory, IPO and consultancy services to a number of companies. Mr. Donovan is currently a company secretary of several ASX listed and public unlisted companies and has gained experience across resources, agritech, biotech, media and technology industries.



Mike Rosenstreich
Managing Director, Geologist / Finance

Mike has a blend of technical and commercial skills gained over 30 years as a mining & exploration geologist and as a resources banker which culminated in various leading corporate roles discovering, developing and operating gold and base metals projects and mines. A core strength is his ability to 'bridge' the gap between technical and financial considerations to build businesses. He has recent experience in the commercialisation of specialty 'non-commodity' materials such as tantalum, graphite, REEs, and mineral sands - all essential to the energy transformation underway. Copper, nickel and cobalt are commodities – and Helix provides an exciting opportunity to remain involved in these essential 'energy metals'.



Gordon Barnes
Exploration Manager

Gordon is a highly experienced and well-respected exploration geologist based in Orange, NSW. Gordon has over 30 years of practical mineral exploration experience, ranging from active field-based projects through to multi-commodity project generation initiatives in Australia and overseas. He has extensive NSW copper and gold exploration experience. Gordon is a Member of the Australian Institute of Geoscientists and holds a Masters in Geology (UWA), a BSC in Applied Science – Geology (RMIT) and is a Graduate of the Australian Institute of Company Directors.

## APPENDIX C

#### REGIONAL PRODUCERS & DEPOSITS



#### TRITTON COPPER OPERATIONS<sup>1</sup>

- Refer Group Report on Mineral Resources & Ore Reserves 15 November
- https://www.aerisresources.com.au/



#### **ENDEAVOR LEAD/ZINC<sup>4</sup>**

- **Currently Care & Maintenance**
- https://www.cbhresources.com.au/endeavor-mine/



**GLENCORE** 

#### CSA MINE<sup>2</sup>

- Glencore 2021 Reserves & Resources Report
  - Metals Acquisition Corp. Inc. Reports 3 March 2022 and 23 November 2022
  - https://www.glencore.com/investors/reports-results/reservesand-resources
  - https://www.metalsacquisition.com



#### MT BOPPY GOLD<sup>5</sup>

- Manuka Resources 2021 Annual Report
- https://www.manukaresources.com.au/



#### COBAR BASE METAL ASSETS 7

 Multi-deposits: May Day, Mallee Bull, Wagga Tank, Southern Nights and Wirlong



https://www.peelmining.com.au/investor-centre/asxannouncements/



KSN KINGSTO

#### PEAK GOLD OPERATIONS<sup>3</sup> & HERA MINE

- Aurelia Metals 2021 Annual Report
- ASX Report 10 October 2022
- https://www.aureliametals.com/investors/annual-reports



#### MINERAL HILL<sup>6</sup>



ASX Report 19 September 2022

#### OTHER PUBLIC DOMAIN DATA

- Production and resource data from NSW mineral occurrence database (MIV\_COMM\_RES?PROD\_TCC table, November 2022)
- https://www.regional.nsw.gov.au/meg

