

Corporate Presentation An emerging Australian copper producer of scale

September 2022



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Overview of Rex Minerals

A Copper Development Opportunity

- Rex owns 100% of its flagship asset, the Hillside Project, a fully permitted copper and gold asset in South Australia
- Rex also owns the Hog Ranch gold project in Nevada (USA), a
 2.2Moz² epithermal gold resource, a rapidly growing success story
- Led by a highly respected Board and senior management team, with experience operating and financing large-scale mining projects

Capitalisation

Share Price (as at 31 August 2022) (A\$ per share)	\$0.20
Basic Shares (m)	592.7m
Market Cap (undiluted)	~\$A83m
Cash (as at 30 June 2022)	\$44.1m
Debt	Nil
Enterprise valuation (undiluted)	~ A\$39m
Options on Issue (unquoted)	21.2m
Consideration Rights on Issue (unquoted) ¹	15.0m

Major shareholders (as at 31 August 2022)

Directors & Management	6.5%
Ellerston Capital	8.1%
United Super	8.1%
Grand South Development	2.5%
Curious Capital	1.0%

1. Hog Ranch Consideration Rights convertible to Rex shares upon Board approval to mine Hog Ranch, no later than 31 October 2024. 2. Hog Ranch Gold Resource increases from 1.4Moz to 2.2Moz (23 March 2021).





To become a leading ASX-listed mid-cap copper producer

Be a contributor to the growing trend of electrification with green copper demand to increase by in excess of CAGR 16% p.a. over the medium term



Reach a Final Investment Decision at Hillside Cu in Q4 2022 Complete Hog Ranch 2022 exploration and Plan of Operations submission to BLM

Our Vision: "To produce the minerals needed for the world we all envision"



Continue to grow a highly skilled and qualified team capable of developing Rex's copper gold portfolio



Deliver outstanding shareholder returns

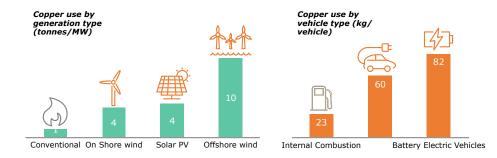


The copper landscape

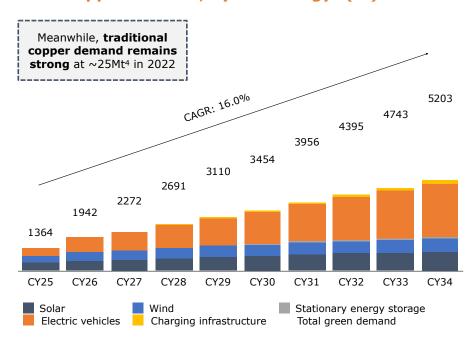
Hillside provides strong leverage to copper and the electrification thematic

- Demand outlook is fuelled by decarbonisation, electrification and the global transition to a green economy
 - Renewable energy technologies are 4x to 10x more copper intensive than conventional energy production
 - EV mass adoption will see EV sales grow at 28% p.a. between 2020-2025, with each EV requiring up to 5x times more copper than traditional ICE vehicles

Copper intensity in green scenarios²



Green copper demand, by technology³ (kt)



2. Roskill (2021), Wood Mackenzie (2021), IEA (2021). 3. Broker research, Wood Mackenzie. 4. Macquarie Research.

REX Minerals Ltd

Rex Minerals: Hillside is our Flagship Asset

Hillside (100% owned)

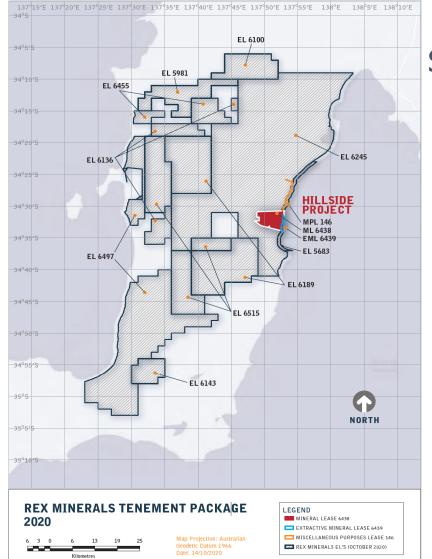


- ✓ Shovel-ready, fully permitted long life copper development project
- ✓ Simple, open pit mining, with conventional copper floatation processing
- ✓ 13+ year mine life underpinned by 988kt contained copper Reserve¹
- ✓ 3rd largest reserve in Australia
- ✓ Exposure to electrification and EV trends
- ✓ Fully funded until FID (cash balance of ~A\$44m as at 30 June 2022 update)
- ✓ Alliance with proven process & mining partners Ausenco² & Thiess³
- ✓ Refined Feasibility well underway

The objective to deliver a high-value mine development package for Hillside, capable of a Board-approved Financial Investment Decision (FID) by late CY2022 - targeting first production in ~2024

- 1. Rex doubles Hillside Ore Reserves (20 July 2021).
- 2. Rex Partners with Ausenco for Hillside Project (8 March 2022).
- 3. Thiess to provide Mining Services to Hillside Project (4 August 2022).





South Australia – Copper Coast

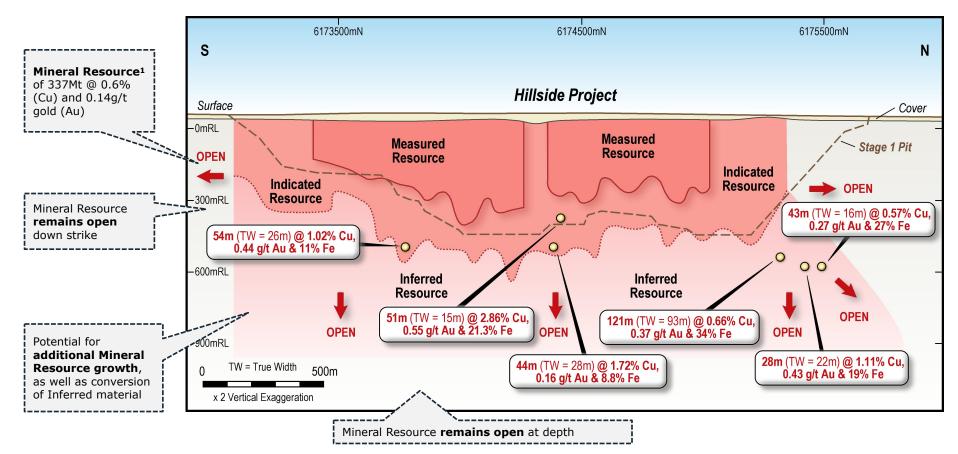
Highlights

- Outstanding land position, eastern margin of the Gawler Craton
- 10 licences 2,727km²
- Shallow cover (<40m)
- Extensive datasets including magnetics, gravity, radiometrics, soil & calcrete geochemistry and drilling
- Full interpretive basement geology model in ArcGIS





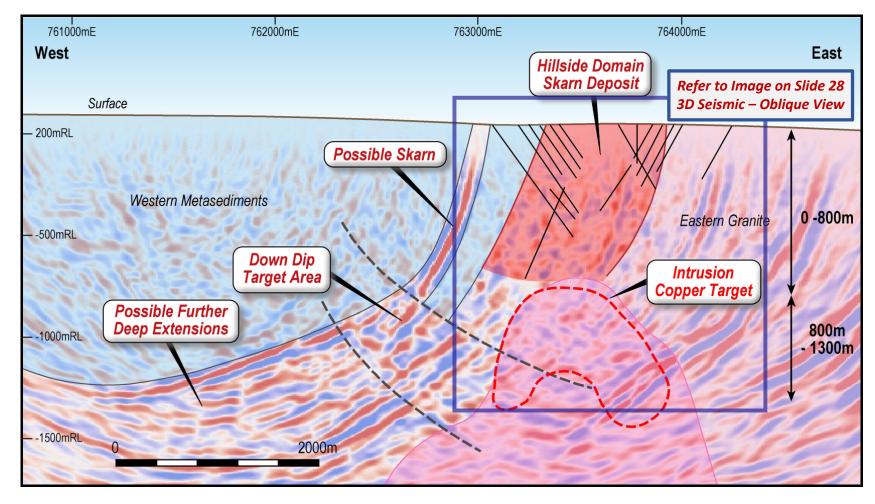
Ongoing growth and upside potential



1. Hillside Project - Mineral Resource and Ore Reserve Update (25 May 2015). Mineral Resources reported above a 0.2% cutoff. Measured and Indicated Resources are rounded up to two significant figures and inferred resources are rounded to one significant figure. Calculations have been rounded to the nearest Mt of ore, 0.01% Cu grade, 0.01g/t gold grade, 1,000t of Cu metal and 1000ozs of gold metal. Some apparent errors may occur due to rounding.



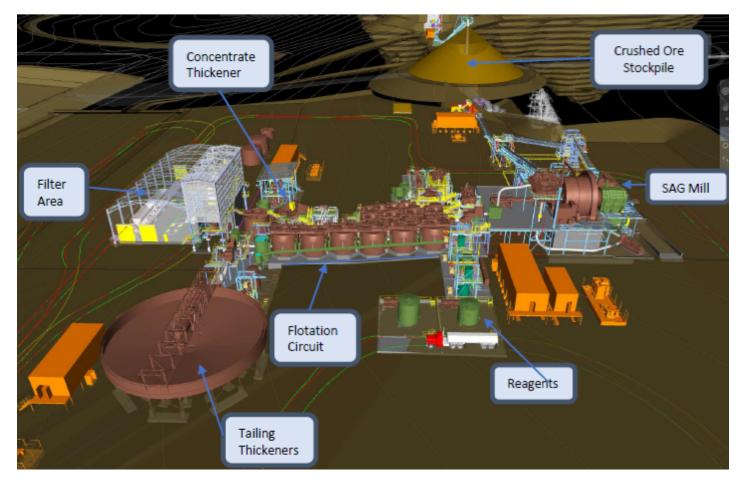
Cross-section including interpretation from the recent Hillside 3D Seismic survey



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Process Plant progress update: 6Mtpa - expandable

Process plant general layout



Upgraded jaw-gyratory crusher - future direct tip options





11

Hillside ESG & Community benefits



Rex is committed to operating in partnership with the local communities surrounding the Hillside Project and creating positive impacts, socially economically and environmentally



Environmental

- Copper production is critical to electrification trend and forecast demand growth for electric vehicles
- Carbon emissions from cradle to gate are significantly lower for copper relative to other battery metals¹



1. World Bank: Minerals for Climate Action – The Mineral Intensity of the Clean Energy Transition (2020).



- Provide local employment opportunities
- Support the local Narungga Aboriginal community and their employment and training
- No permanent camp

🖺 Government & Community

- Strong support from the Yorke Peninsula community with a formal Hillside Community Engagement Plan (CEP) in place
- Direct wages to employees and contractors to total over \$500m over 13 years
- Direct contribution to Gross State Product (GSP) of over \$2.0bn
- Investment in local infrastructure such as water, power and roads
- Direct workforce of ~430 people in addition to ~1,350 indirect employees

Project of scale, with a 13+ year mine life, utilising simple mining and processing methods



Hillside to be a top 10 Australian. Peer mines typically owned by the majors and commanding significant market valuations

Asset	Owner	Reserves¹ (Cu, kt, 100% basis)
Olympic Dam	BHP	8,683
Carrapateena	02	2,300
Hillside	REX	988 ²
Ernest Henry	Evolution	769
Northparkes	K CMOC	730
Prominent Hill	02	574
Mt Isa	GLENCORE	462
CSA	ACQUISITION CORP	262
DeGrussa	Sandfire	72

1. Based on public information.

2. Rex doubles Hillside Ore Reserves (20 July 2021).



The relative value proposition

Benchmarking Hillside against CSA

In March 2022, Metals Acquisition Corp (MAC) announced the acquisition of Glencore's CSA copper mine for US\$1.15bn¹ and a 1.5% net smelter return royalty – about US \$2/lb of Cu Reserve in the ground.





	Hillside	CSA ⁵	
Commodity	Copper (gold by-product)	Copper (silver by-product)	
Mine life	13 years (stage 1) ⁴ 33 years (stage 2)	15+ years (2036)	
Cu Reserves (kt)	988kt ² 262kt		
Cu Resources (kt)	1,967kt ³	613kt	
Production	35ktpa Cu and 24kozpa Au (LOM average)	41ktpa Cu and 372koz Ag (2022E)	

1. On 17 March 2022, Metals Acquisition Corp (MAC) announced the acquisition of Glencore's CSA copper mine for US\$1.15bn (including US\$50m of equity in MAC) and a 1.5% net smelter return royalty. The transaction is expected to be completed in 2022, subject to the approval of MAC's shareholders and other customary closing conditions.

2. Rex doubles Hillside Ore Reserves (20 July 2021).

3. Hillside Project - Mineral Resource and Ore Reserve Update (25 May 2015).

4. Hillside Feasibility Costing Update (31 July 2020). Assumes US\$3.00/lb Cu price, US\$1,550/oz Au price and AUDUSD 0.70.

5. All figures sourced from MAC CSA Mine Acquisition Investor Presentation (March 2022).



Hillside: key catalysts & next steps

Rex Board and senior management are committed to delivering near-term catalysts for Hillside with a view to making FID in Q4 2022

Expansion of project delivery team: Continue positive momentum by adding to core Hillside Project delivery team

2

Secure committed debt funding: Financing process currently underway. Strong interest received to date from a range of highly credentialed potential financiers and banking institutions

3

Delivery of final project outcomes with Ausenco & Thiess - finalise project design & costs

4

Initiate offtake discussions: Continued interest to date from a range of national and international counterparties

5

Announce FID and secure long-lead capital items: Subject to financing and final Board Approval, announce FID and begin to secure long-lead items. Rex is fully funded until FID with cash balance of ~A\$44.1m as at 30 June 2022



Hog Ranch Unveiling a rapidly growing gold opportunity in Nevada



Hog Ranch

Hog Ranch is a large-scale epithermal gold asset in Nevada, USA

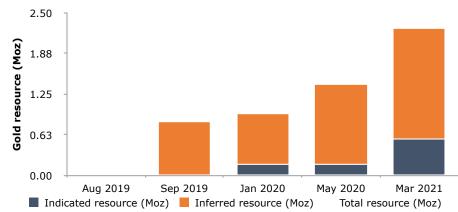


Overview

- Last mined by WMC¹ from 1988 to 1992
- Acquired by Rex in August 2019
- Contained gold resource increased from zero to 2.3Moz within 18 months of Rex ownership, at minimal cost of US\$0.69/oz
- Consists of several prospects; Bells (560koz), Krista area (1,580koz), Central Cameco/Airport (150koz), Gillam
- Large-scale soil sampling campaign underway with first round of results anticipated in the coming months
- Look-through multiples implied by the AngloGold Ashanti / Corvus transaction³ implies a potential US\$100m+ valuation for Hog Ranch

Mineral Resources²

Category	Ore (Mt)	Au (g/t)	Au (koz)
Indicated	35	0.49	560
Inferred	130	0.41	1700
Total	165	0.43	2,260



Resource growth

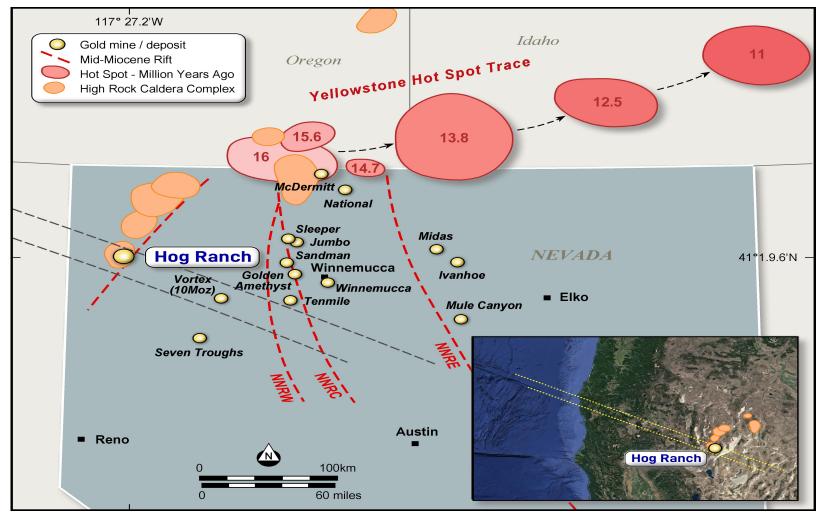
1. Western Mining Corporation.

^{2.} Hog Ranch Gold Resource increases from 1.4Moz to 2.2Moz (23 March 2021).

^{3.} In September 2021, AngloGold Ashanti announced the acquisition of the remaining 80.5% stake in Corvus not already owned for C\$370m. Corvus is a TSX-listed gold and silver explorer and developer and focussed on the development of its goldsilver projects: North Bullfrog, Lynnda Strip and Mother Lode, all located in the Beatty District of Nevada, US.



How large can Hog Ranch be?

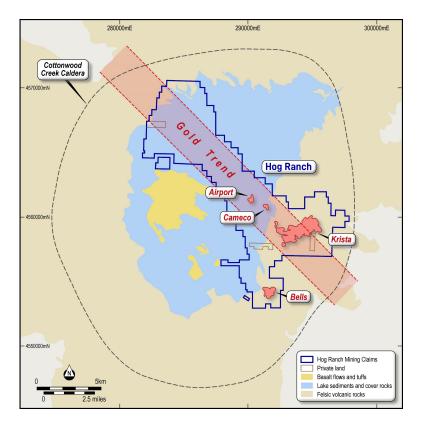


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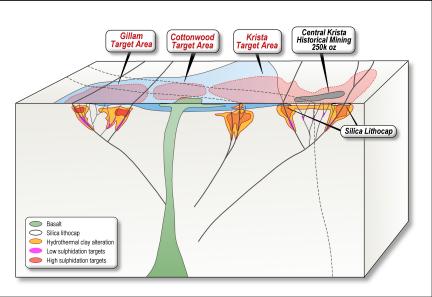
Hog Ranch (cont.)

Hog Ranch is a large-scale epithermal gold asset in Nevada, USA



Observations

- New datasets show overlapping evidence for large-scale epithermal alteration
- Interpreted to represent the footprint of a much larger gold system than
 previously understood





Concluding remarks



Rex has a shovelready, fully permitted copper development project of scale – top 10 copper mine in Australia by annual production¹ Targeting Final Investment Decision in Q4 2022 with project fully funded until FID (cash balance of ~A\$44m as at 30 June 2022) Project supports sustainable development while demonstrating robust economics, with Hillside generating strong cashflows throughout the commodity price cycle

Copper market outlook remains robust driven by the growing trend of electrification Gold asset of exceptional quality

Our Vision: "To produce the minerals needed for the world we all envision"

1. Refer to slide 8 for further information.

Led by a senior and experienced management and Board, with a trackrecord of successful project delivery and ESG risk management



Rex's Board and management

The quality of the Hillside Project, has allowed Rex to attract a high quality Board and senior management team, with large-scale mining project development and operational expertise

The Board and senior management

Name	Years of experience	Experience
Ian Smith Non-Executive Chairman	40 +	 Appointed in February 2019 Former Managing Director and CEO of Newcrest and Orica
Gregory Robinson Non-Executive Director	30+	Appointed in June 2021Former Managing Director and CEO of Newcrest and CEO of Lattice Energy
Andrew Seaton Non-Executive Director	30+	 Appointed in December 2021 Currently a Non-Executive Director of Strike Energy and CEO and MD of Australian Naval Infrastructure Pty Ltd (ANI) Former CFO of Santos
Richard Laufmann CEO and Managing Director	30+	 Appointed in April 2015 Former CEO of Indophil Resources and Ballarat Goldfields (acquired by Lihir Gold in 2007)
Amber Rivamonte CFO and Executive Director of Finance	25+	Appointed in June 2021Former CFO of Ballarat Goldfields
Jason Schell EGM, South Australia	30+	 Former Executive MD GFG Liberty Primary Steel, Whyalla Former COO Department of the Premier & Cabinet, SA Government Former GM Smelter & Refinery Olympic Dam (BHP) and GM Engineering ODO (WMC)
Peter Bird EGM Investor Relations & Business Development	30+	 Former Executive Chairman of Zenith Minerals and CEO of Asiamet Resources Former GM Investor Relations of Newcrest and Normandy Mining
Ron Douglas <i>Rex Representative to Ausenco</i>	30+	 Former Non-executive Director at Rex, resigned in April 2022 to focus on the development of Hillside Former Global Head of Projects and Technology of Orica and GM Projects and Studies of Newcrest



APPENDIX Hillside – supporting information



Hillside Mine



- Hillside is an Iron Oxide Copper Gold (IOCG) deposit
- Well defined geology
 - +800 drillholes, 240km of core
 - 2.3km north-south, 1,200m west-east
 - Open along strike and at depth
- Large ore zones
 - 6 main mineralised structures
 - Average true thickness of 27m
- Copper mineralisation from as shallow as 5m below surface
- 30 100m to be free dig
- Open at depth and along strike



Hillside: Investment proposition

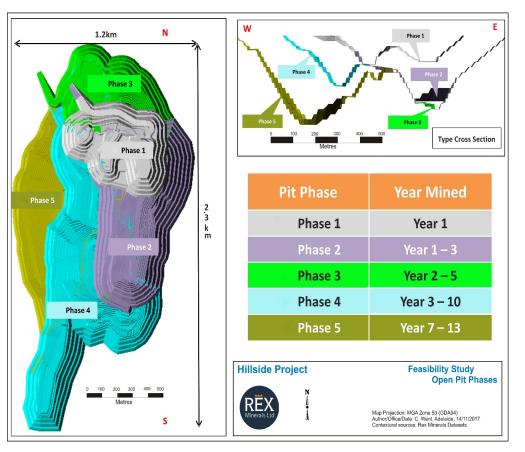
Rex Minerals, and its flagship Hillside Project represents a unique, long-life, fully permitted copper project located in a premier mining jurisdiction





Hillside Stage 1 Mining Plan

- Ore production rate of 6Mtpa
- A life of mine (LOM) of 13+ years
- Final pit dimensions of 2.3km north-south, 1.2km east-west and 440m depth
- Staged Pit, 5 mining phases (pushbacks)
- Pre-Strip 54Mt
- Ave Vertical Sink Rate ~34m/yr
- Strip Ratio Operations 6.8:1
 - Pushbacks in years 3 and 8
- Truck fleet increase from 9 16max over life



REX Minerals Ltd

Hillside Processing

Process Plant Designed at 6Mtpa

- Very clean concentrate of 27% copper @ 92% Cu recovery
- Very low arsenic <45ppm, low halides (F <100ppm & Cl <100ppm), low Uranium <45ppm

Conventional Copper Flotation

- Flotation feed P80 125µ (first 2 years), 150µ subsequent years
- Utilising the regrind, stage flotation and uranium kinetics to minimise uranium in final concentration
- Coarse grind testwork underway; provides optionality for further optimisation at minimal capex

Processing Metallurgy De-risked

Extensive batch, locked cycle and pilot plant testwork

Saline Groundwater

- Saline groundwater supplemented by seawater used in the flotation circuit
- Filtered concentrate washed with potable water to remove vestigial seawater

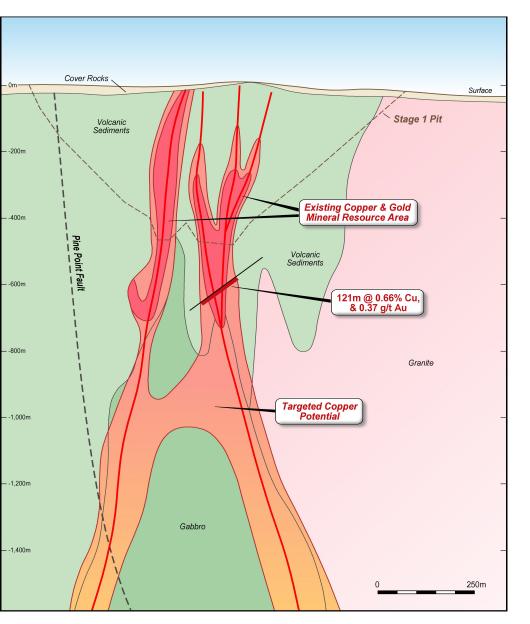
Low Processing Operating Costs ~US\$7.5/ore tonne



Rex concentrate from pilot plant test programActual Isa Mill utilised

Tailings Dam

Down stream construction, integrated into the rock storage facility

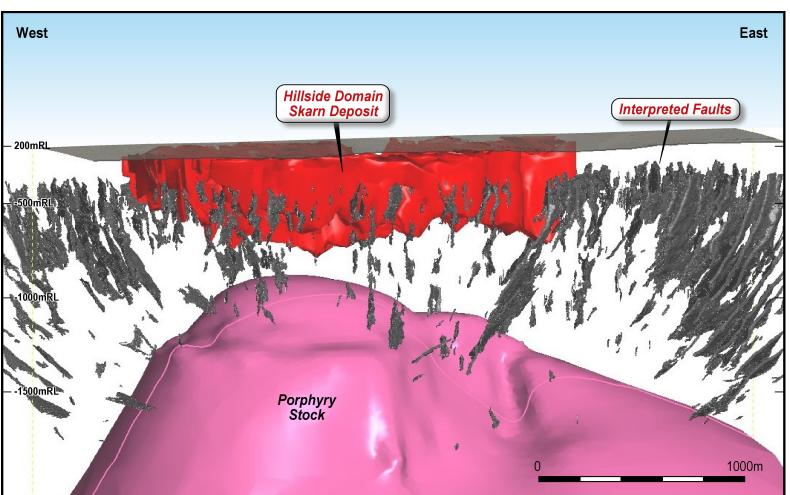




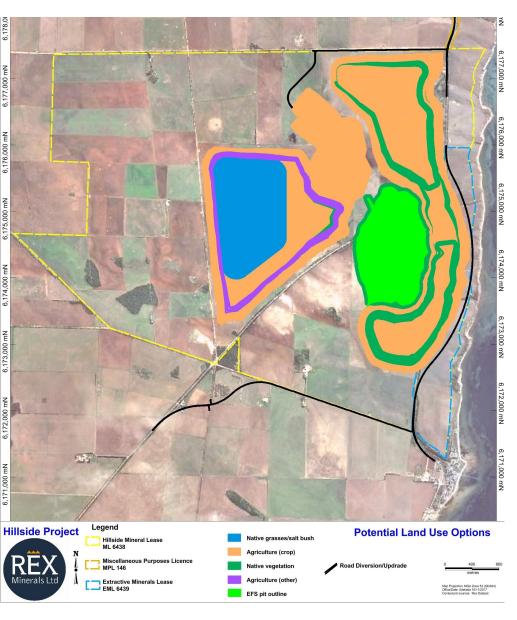
Hillside Geology

- Pine Point Fault regional scale major feature
 - Similar to Boulder-Lefroy in Kalgoorlie
- Gabbro heat source and Hiltaba Granite typical features of South Australian IOCG
- Pre-existing Volcanic Sediments
- Skarns host much of the near surface higher grade mineralisation
- Dominant primary copper sulphide is chalcopyrite
- Simple mineralogy with low arsenic, fluorine and uranium levels
- Extremely Low potential for acid forming
 - Acid consuming carbonates in waste rock dumps and tails (ANC/MPA>2) up to 8:1

3D Seismic - Oblique View: Structures radiating from possible source







Hillside Stage 1 Mining Plan

Progressive Rehabilitation

- Mineral Lease is 2998Ha, 1283Ha will be disturbed Stage 1
- 97% of the land had been cleared for agriculture
- Replacement of top soil and subsoil starts within first year of clearing
- By the time pit is complete in Year 12, 65% of final rehabilitation by area is complete.
- 65% of the land is returned to broad acre cropping
- Pit lake does not require rehabilitation (12% of the disturbed area)

Total Cover Type	Area (ha)	Percentage of Final Landform
Native grasses/salt bush/salt tolerant species	168.4	16%
Agricultural (cropping)	770.1	60%
Native vegetation	129.9	13%
Agricultural (other)	57.0	5%
Land that will not be rehabilitated (remaining open pit void, retained roads)	157.3	12%
Total	1,282.7*	100%

* Noting that this is 13.2ha greater than the area of disturbance identified in Table 3-3 due to the greater area of RSF slopes than disturbance footprint.



Hillside Mineral Resources & Ore Reserves

Hillside Mineral Resources^{1,3}

Zone	Reserve Category	Tonnage (Mt)	Copper (%)	Gold (g/t)	Contained Copper (kt)	Contained Gold (koz)
Oxide	Measured	16	0.54	0.23	86	118
Copper	Indicated	4	0.51	0.13	20	17
	Inferred	0.2	0.70	0.2	1	1
Secondary	Measured	9	0.61	0.2	55	58
Sulphide Copper	Indicated	3	0.55	0.12	17	12
	Inferred	0.1	0.6	0.1	1	0.3
Primary Sulphide	Measured	47	0.54	0.16	254	242
Copper	Indicated	144	0.59	0.13	850	602
	Inferred	114	0.6	0.1	684	367
TOTAL		337	0.6	0.14	1,967	1,416

Hillside Ore Reserves^{2,3}

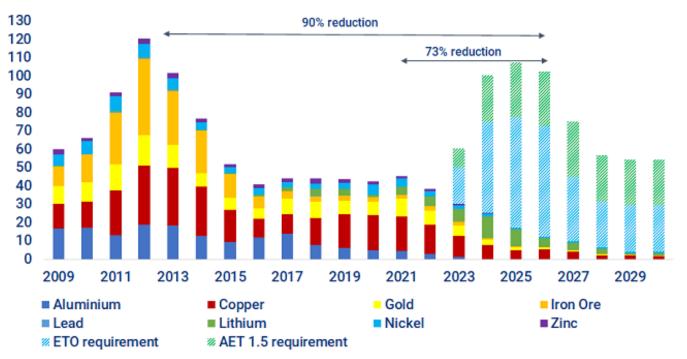
Reserve Category	Tonnage (Mt)	Copper (%)	Gold (g/t)	Contained Copper (kt)	Contained Gold (koz)
Proved	58	0.52	0.16	301	308
Probable	123	0.56	0.13	687	515
TOTAL	182	0.54	0.14	988	823

1. Hillside Project - Mineral Resource and Ore Reserve Update (25 May 2015). Mineral Resources reported above a 0.2% cutoff. Measured and Indicated Resources are rounded up to two significant figures and inferred resources are rounded to one Initiation Project - Milleria Resources and the Resources are rounded up to the argument resources are rou



The copper landscape

US \$400B capital required before 2030. It all seems implausible at best, and impossible at worst $^{\rm 1}$



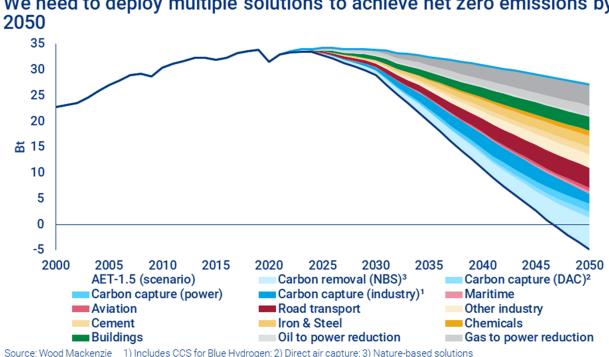
Source: Wood Mackenzie Corporate Service

1. Wood Mackenzie. "Have Miners missed the boat to invest and get ahead of the energy transition" - 11 July 2022



The copper landscape (cont.)

US \$60 trillion investment, spread over the three decades to 2050 across power, mining and metals, hydrogen, CCS and oil and gas



We need to deploy multiple solutions to achieve net zero emissions by

1. Wood Mackenzie. "How the world gets to a 1.5 °C pathway" - 03 March 2022



The copper landscape (cont.)

Hillside provides strong leverage to copper and the electrification thematic

- Market is fundamentally undersupplied as a result of a weak project pipeline:
 - Lack of new large-scale discoveries globally
 - Increased capital intensity to bring new operations into production due to depth, geological complexity and water scarcity
 - Trend of declining head grades
 - Massive increase in regulation and approval time frames

"

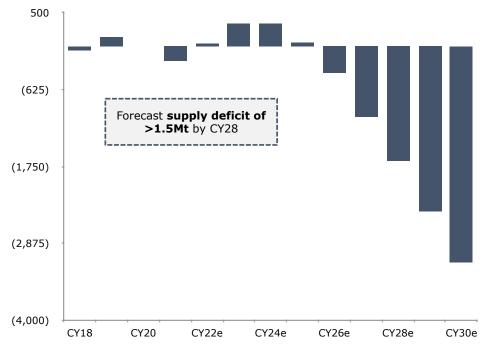
In the past six months, we have become increasingly concerned of a **stock-out episode in the copper market** as forward fundamentals have tightened even as price action has remained muted...

Without any apparent softening adjustments already underway, we **believe higher prices are an inevitability**

Nicholas Snowdon, Metals Strategist, Goldman Sachs

"

Global copper market balance¹ (kt)



1. Macquarie Research.



Supplementary Information

Compliance statement

With reference to previously reported Mineral Resources, Ore Reserves, Feasibility Studies and Scoping Studies the Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements as referenced as footnotes to each relevant slide.

In the case of estimates of Mineral Resources and Ore Reserves that references material assumptions and technical parameters underpinning the information contained within this Presentation continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement. The estimated Ore Reserves and Mineral Resources underpinning any production target have been prepared by a competent person in accordance with the requirements in Appendix 5A (JORC code).

Base case assumptions - Hillside Project

Price assumptions for the life of the operation are: Copper US\$3.00/lb; Gold US\$1,550/oz. An exchange rate assumption of \$0.70 was used for the life of the operation. Unless otherwise stated, all dollar amounts given are in Australian dollars and are not subject to inflation/escalation factors.

Hillside Project basis of C1 and all-in sustaining cost

C1 (Direct Cash Cost) = Mining + Processing + Site general and administration + Concentrate freight + Refining charges - By-Product credits (net)

All-In Sustaining Cost (AISC) = C1 + Royalties + Rehabilitation + Sustaining capital

All-In Cost = AISC + Pre-production capital

All costs calculated in accordance with Australian Accounting Standards and International Financial Reporting Standards.



Supplementary Information (cont.)

Competent persons' statements

The information in this report that relates to Exploration Results or Mineral Resources is based on, and fairly reflects, information compiled by Mr Steven Olsen who is a Member of the Australasian Institute of Mining and Metallurgy and is an employee of Rex Minerals. Mr Olsen has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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'. Mr Olsen 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 mining and/or Ore Reserves is based on, and fairly reflects, information compiled by Mr Charles McHugh who is a Fellow of the Australasian Institute of Mining and Metallurgy and is an employee of Rex Minerals. Mr McHugh has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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'. Mr McHugh 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 metallurgy is based on, and fairly reflects, information compiled by Mr John Burgess who is a Fellow of the Australasian Institute of Mining and Metallurgy and a consultant to Rex Minerals. Mr Burgess has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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'. Mr Burgess consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Base case assumptions – Bells Project

The Bells Scoping Study (2020) price assumptions are quoted in US dollars and Gold US\$1,550/oz.

Bells Project basis of C1 and all-in sustaining cost

AISC and AIC calculated in accordance with 2018 WGC Guidance Note Update and IFRS 16, effective 1 January 2019.
C1 (Direct Cash Cost) = Mining + Processing + Site general and administration + Refining charges
All-In Sustaining Cost (AISC) = C1 + Royalties + Production tax + Rehabilitation + Sustaining capital
All-In Cost (AIC) = AISC + Pre-production capital + Equipment leasing costs