XANADU MINES

Mines and Money Online Connect Presentation

1 September 2020

ASX Markets Announcement Office Exchange Centre 20 Bridge Street Sydney NSW 2000

BY ELECTRONIC LODGEMENT

Mines and Money Online Connect

Please find attached for release to the market, Xanadu Mining Ltd's presentation to the *Mines and Money Online Connect* Networking Event Series over the period 1-3 September 2020.

-ENDS-

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This Announcement was authorised for release by Xanadu's Board of Directors.

About Xanadu Mines Ltd:

Xanadu is an ASX and TSX listed Exploration company that discovers and defines globally significant porphyry copper-gold assets in Mongolia. We give investors exposure to large scale copper-gold discoveries and low cost inventory growth, and we create liquidity events for shareholders at peak value points in the mining life cycle. Xanadu maintains a portfolio of exploration projects and remains one of the few junior explorers on the ASX or TSX who control an emerging Tier 1 copper-gold deposit in our flagship Kharmagtai project. For information on Xanadu visit: <u>www.xanadumines.com</u>

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Mines and Money online connect

1-3 September 2020

ASX: XAM | TSX: XAM

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Unverified information: This presentation may contain information (including information derived from publicly available sources) that has not been independently verified by the Company.

JORC: The information in this report relates to the exploration results previously reported in ASX Announcements which are available on the Xanadu website at <u>http://www.xanadumines.com/irm/content/announcements.aspx</u>. The Company is not aware of any new, material information or data that is not included in those market announcements.

Key Investment Highlights



Clear strategy to explore for globally significant gold-rich porphyry copper deposits in Mongolia, a highly prospective and globally competitive mining jurisdiction



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Funded to execute that strategy following successful capital raise in August 2020

Established portfolio of high-quality advanced exploration projects, with solid tenure and strong incountry capability. Control of an emerging porphyry district

Strengthened and reinvigorated the Board and Management including addition of key personnel with demonstrated capability and track record



Flagship Kharmagtai project is one of the most promising copper-gold projects globally. Drilling has re-commenced targeting material growth of both tonnes and grade



The discovery program at Red Mountain has commenced and is well funded via US\$7.2m earn-in agreement with JOGMEC



Xanadu is currently significantly undervalued relative to the latent value of our portfolio today and potential for growth tomorrow

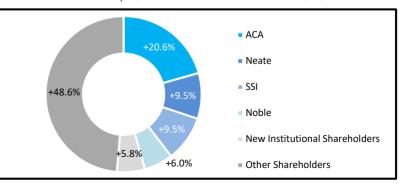
Corporate Snapshot

Share Price Graph (Last 12 Months)

Price (\$/shr)



Capital Structure (as of 25 August 2020)	Unit	Value
Share Price	\$/shr	0.045
Shares Outstanding ¹	# M	949.0
Market Capitalisation	\$ M	42.7
Cash ²	\$ M	8.5
Debt	\$ M	0.0
Net Debt / (Cash)	\$ M	(8.5)
Enterprise Value	\$ M	34.2



Source: Bloomberg, Company Reports

Page 4 1. Shares outstanding inclusive of August 2020 Tranche 1 Placement of 123.8m shares at \$0.025/shr. Tranche 2 Placement of 142.9m subject to shareholder approval scheduled for 1 October 2020 2. Cash balance as at 30 June 2020 and inclusive of proceeds from August 2020 Tranche 1 Placement

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Volume (m)

Directors and Management

Combined track record of discovery and development of multiple Tier 1 assets throughout Australasia (e.a. Cadia East, Cadia, Ridaeway, Wafi Golpu, Oyu Tolgoi, Kharmagtai, Tujuh Bukut, Onto)

Mongolia Expertise



Deep Exploration Skills



Commercial Capability



Ganbayar Lkhagvasuren Country Manager & Executive Director Founder of Xanadu Mines. Track record of success as an investor, entrepreneur and company director



Colin Moorhead Non-Executive Chairman

35+ years building value in mining companies through innovation, discovery, project development at Newcrest and Merdeka Copper Gold; Immediate Past President AusIMM

Munkhsaikhan Dambiinyam

10+ years mining finance & financial advisory experience in Mongolia



Andrew Stewart **CEO & Executive Director**

20+ years international exploration experience at Ivanhoe Mines, Vale and Oxiana. Involved in several green fields discoveries



Michele Muscillo Non-Executive Director

Lawyer with extensive experience in mergers and acquisitions and capital markets transactions



Spencer Cole Chief Financial Officer

20+ years in mining and oil & gas, leading commercial, finance, risk, IR, business development and project development at ExxonMobil and Newcrest



Mat Brown **Chief Geologist**

Chief Operating Officer

20+ years international & Australian exploration experience at Placer Dome & Ivanhoe Mines. He has been involved with several greenfields discoveries

Why Mongolia?

Delivering shorter time to production and lower capital intensity than other parts of the world



On China's doorstep, the world's largest copper customer

Sparsely populated 3.2m people in 1.5m km² **Proactive & effective** Major investments in proximate grid power, sealed roads, rail & water



Mining is 21% of GDP & 85% of exports

+40,000 Mongolian mining professionals

Improved legal & fiscal regime



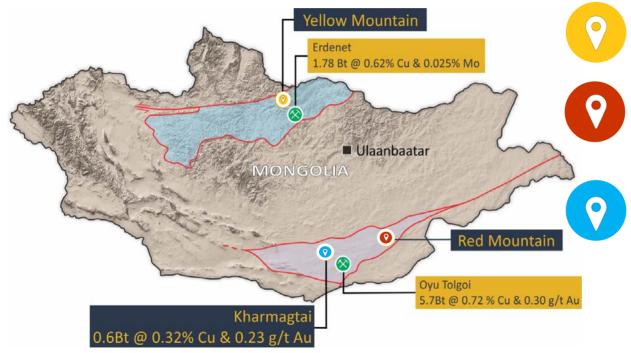
30-year history of democratic elections

MPP returned to government with a super-majority

Well educated, 98% literate, young population

Established Copper & Gold Portfolio

Kharmagtai is an emerging Tier 1 asset proximate to Oyu Tolgoi



Oyu Tolgoi resource figure sourced from S&P Market Intelligence & Company Disclosure

Erdenet resource figure sourced from http://www.portergeo.com.au/database/mineinfo.asp?mineid-mn647

Page 7 Kharmagtai ASX announcement dated 11 April 2019 "Kharmagtai open pit scoping study completed." Table 1 information dated 11 April 2019 continues to apply Refer to Kharmagtai Resource Statement in Appendix

Yellow Mountain (100%)

- Early stage exploration
- Established copper district

Red Mountain (90%)

- Highly prospective district
- Joint Venture with JOGMEC

Kharmagtai (76.5%)

- Mining Licence with large scale interim
 Mineral Resources defined
- Access to established infrastructure
- Rapid resource growth & low discovery cost
- Unrivalled exploration upside
- Orebody is open in all directions
- Bears hallmarks of other world class assets like Oyu Tolgoi and Cadia Valley

Kharmagtai - Emerging World Class Deposit

Exploration program re-commenced; open in all directions

Granted Mining License

• 30 years of tenure with option to extend for an additional 40 years

Rapid Resource Growth

- Achieved a 400% increase in contained copper and a 250% increase in contained gold over 4 years
- Resource growth potential well understood and significant additions targeted through 2020-2021 drill program

Low Discovery Costs

• ~1c per lb of copper at Xanadu (global average ~4.5c per lb Cu)

Drilling Program Has Commenced

- Resource is open in all directions, and step out drilling is planned targeting higher grade zones
- Drilling extensions to known high grade ore zones targeting significant growth of higher-grade tourmaline breccia zones (> 0.8% CuEq)
- First year Exploration program anticipates 18-20 km of drilling



INTERIM MINERAL RESOURCE

0.6Bt containing 1.9Mt copper and 4.3Moz gold (2.6Mt CuEq)



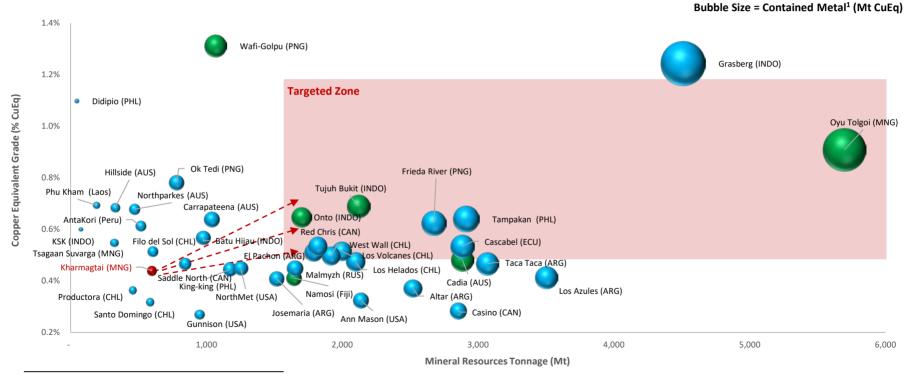
HIGHER GRADE ZONES IDENTIFIED

Includes shallow, high grade mineralisation 54Mt @ 0.86% CuEq for 317kt Cu & 1.13 Moz Au

Page 8 ASX announcement dated 11 April 2019 "Kharmagtai open pit scoping study completed." Table 1 information dated 11 April 2019 continues to apply.

Emerging, Globally Significant Deposit

At 2.6Mt CuEq Mineral Resources, Kharmagtai is already one of the largest copper and gold projects



Source: S&P Global Market Intelligence, Company Disclosure

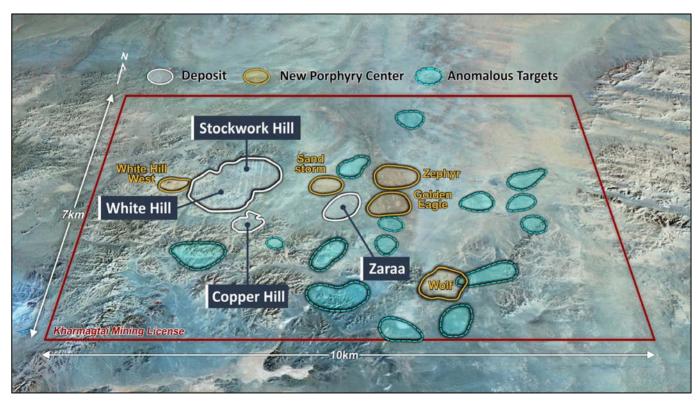
Note: Graphic depicts non-production assets only. Assumptions: Gold Price: US\$1,320/oz and Copper Price US\$3.1/lb; NuevaUnion and KSM are excluded due to the project scale

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Represents where a Xanadu Board and/or Management member has had a significant involvement in discovery or development of the deposit

70km² Porphyry Intrusive Complex

Western half relatively well drilled & outcropping; Eastern half underexplored & under shallow cover



Low-cost brownfield exploration

- Established Au-Cu breccia clusters
- Scale & grade

Established Resources

- Stockwork Hill
- Copper Hill
- White Hill

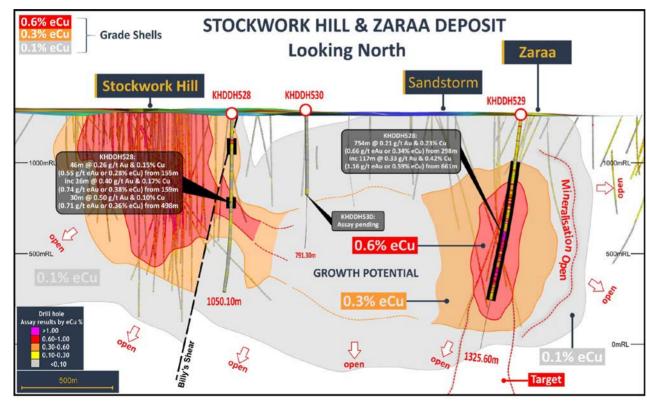
New Discoveries

- Zaraa
- Stockwork Hill East

Numerous Prospects to unlock much larger system

Step Out Potential – Zaraa Example

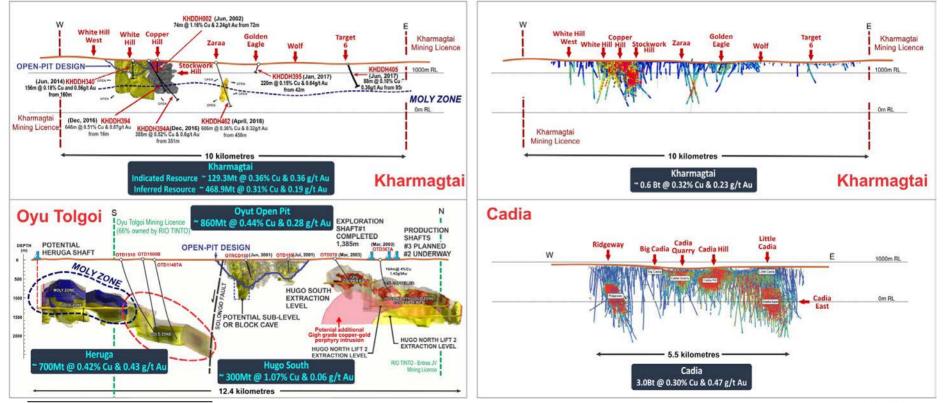
Extensional drilling expanding high-grade mineralisation



- Immediate Mineral Resource growth potential
- 7km-long mineralised system identified to date
- Exceptional Cu-Au grades intersected down-plunge
- Deposits remain open
- Large areas outside of the current resource yet to be drilled

Architecture of Cu-Au Porphyry Systems

Following an established roadmap to define the next world class porphyry system

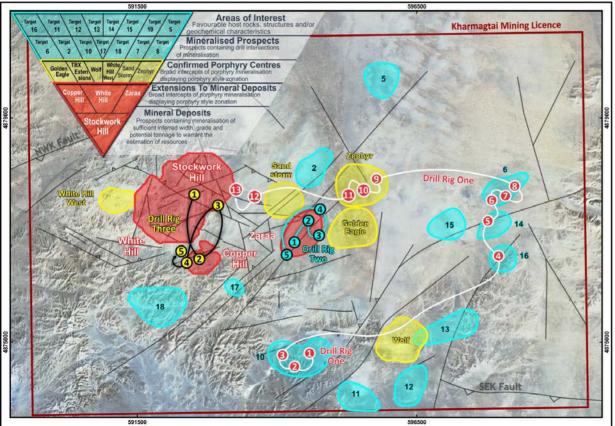


Page 12 *ASX announcement dated 30 October 2018 "Major increase in Kharmagtai open-cut resource to 1.9mt cu & 4.3moz au." Table 1 information dated 30 October 2018 continues to apply. Notes: Peer group data as per latest company documents and public files

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Planned Drill Program CY2020

18-20km targeting early wins to materially grow the complex



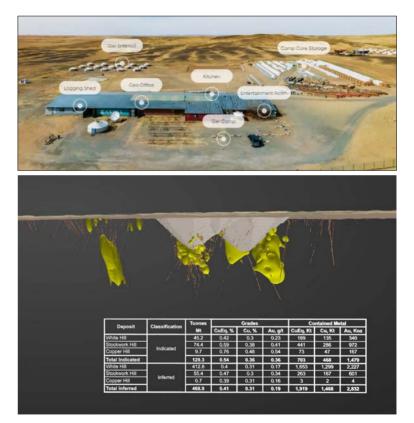
- Aggressive program with potential to materially increase Kharmagtai Resource
- Extensions to Stockwork Hill and Copper Hill
- Growth of higher grade at Zaraa
- Targeting underexplored zones to the east

360-Degree District Tour

Explore Kharmagtai both above and below the ground

VRIFY For a self-guided tour:

- 1. Go to VRIFY.com in your browser
- 2. Click Explore Explore Companies
- 3. Type Xanadu & click Search
- 4. Click Xanadu picture
- 5. Click Kharmagtai project, and map opens
- 6. Click through icons to explore Kharmagtai both above and below ground



Red Mountain - Funded For Large Scale Discovery

Highly prospective for a major Cu-Au porphyry discovery

Granted Mining Licence

• 30 years of tenure with option to extend for an additional 40 years

JOGMEC JV to Sole Fund 4 Years of Exploration

- JOGMEC to earn a 51% interest in the project
- Expenditure up to US\$7.2m
- Xanadu manages the project

Targeting a Significant Cu-Au Discovery

- Similar potential as Kharmagtai to be a globally significant Cu-Au project
- Targeting higher grade, lower tonnage deposits vs Kharmagtai

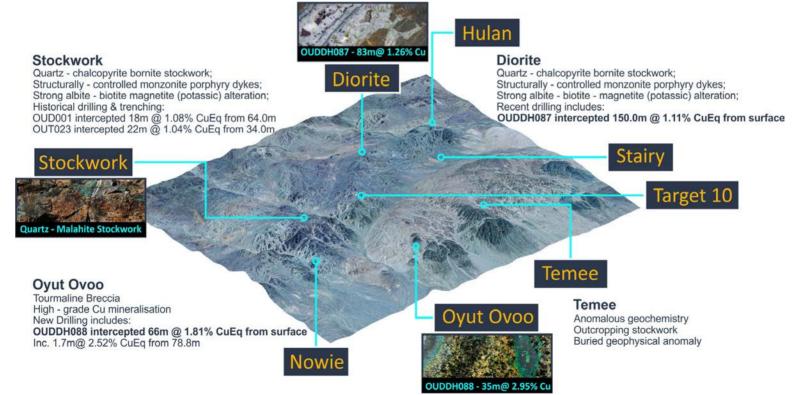
Exploration Program is Underway

• Exploration program anticipates ~2km drilling in 2020



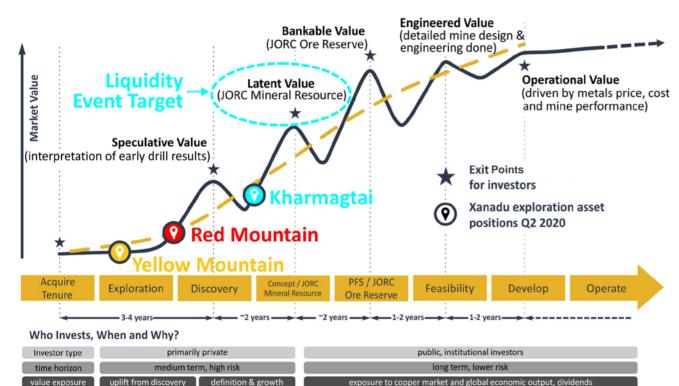
Red Mountain is a Large and Under-explored Porphyry District

Many different prospects over a fully permitted Mining Lease



Program to Move Up the Value Curve

Clear strategy to create significant shareholder value



2020 Exploration Program

Kharmagtai

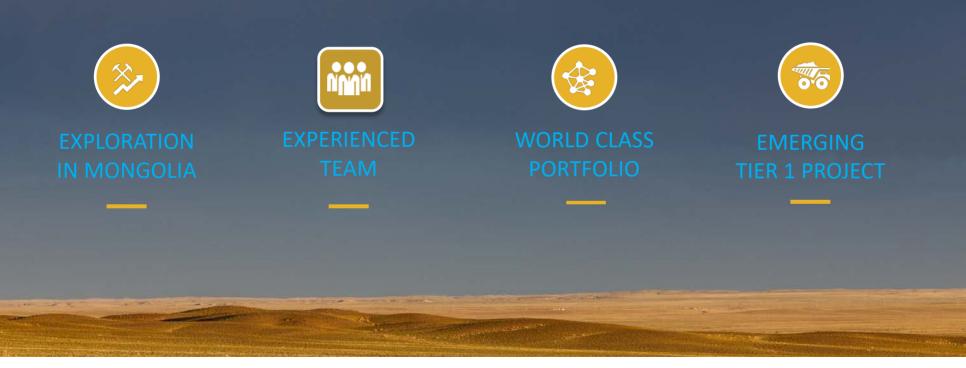
- Step out and deeper drilling of Kharmagtai district to confirm a Tier 1 orebody
- 18-20km drilling planned
- Progressing to an updated JORC Mineral Resource Estimate

Red Mountain

- ~2km of new drilling of known targets planned
- Undertaking geophysics to identify new target generation on the ML
- Progressing towards a Definition phase

Compelling Investment Opportunity

One of the few juniors who control a globally significant copper-gold deposit



Investor Queries:

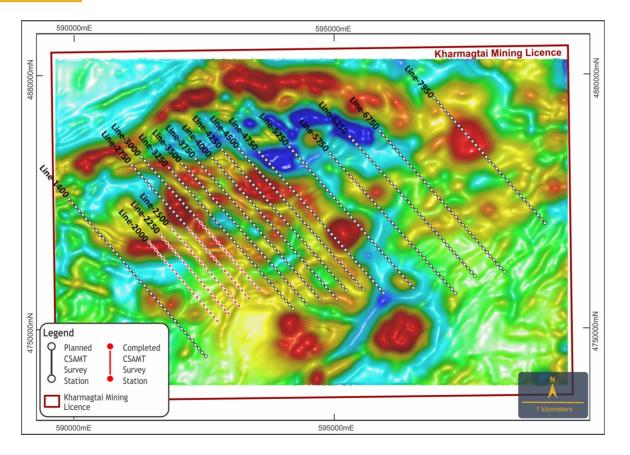
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Appendix: Kharmagtai Ground Magnetic Data CSAMT



Appendix: Kharmagtai Interim Mineral Resource Estimate

Deposit	Classification	Tonnes	Grades			Contained Metal		
		(Mt)	CuEq (%)	Cu (%)	Au (g/t)	CuEq (Kt)	Cu (Kt)	Au (Koz)
White Hill	Indicated	45.2	0.42	0.30	0.23	189	135	340
Stockwork Hill		74.4	0.59	0.38	0.41	441	286	972
Copper Hill		9.7	0.76	0.48	0.54	73	47	167
Total Indicated		129.3	0.54	0.36	0.36	703	468	1,479
White Hill	Inferred	412.8	0.40	0.31	0.17	1,653	1,299	2,227
Stockwork Hill		55.4	0.47	0.30	0.34	263	167	601
Copper Hill		0.7	0.39	0.31	0.16	3	2	4
Total Inferred		468.9	0.41	0.31	0.19	1,919	1,468	2,832

Mineral Resources are classified according to CIM Guidelines .

Mineral Resources for open pit mining are estimated within the limits of an ultimate pit shell.

A cut-off grade of 0.3% CuEq has been applied for open pit resources.

Density values of 2.65 t/m³ for oxide zones; 2.76, 2.74, 2.73 and 2.71 t/m³ for country rocks, 2.78, 2.80 2.77, 2.81 and 2.76 t/m³ for porphyries and 2.76 t/m³ for andesite dyke were used for the model cells.

CuEq - copper equivalent was calculated using conversion factor 0.62097 for gold. Metal prices used were 3.1 \$/lb for copper and 1320 \$/oz for gold, recoveries - 70% for gold and 85% for copper (82.35% relative gold to copper recovery), copper equivalent formula applied: CuEq = Cu + Au * 0.62097 * 0.8235.

Rows and columns may not add up exactly due to rounding.

Appendix: Global Peer Benchmarking

Listed Cu-Au Porphyry Advanced Developers

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Key Project	Kharmagtai	Cascabel	Tujuh Bukit	Oyu Tolgoi	
Location	South Gobi, Mongolia	Imbabura, Ecuador	East Java, Indonesia	South Gobi, Mongolia	
Deposit Type	OP porphyry (from surface) Type II ¹	UG porphyry (from 600m) Type II ¹	UG porphyry (from 250m) Type II ¹	OP & UG porphyry (from 500m) Type II ¹	
Development Stage	SS (Scoping Study)	PEA (PFS expected in late 2020)	PEA (PFS expected in 2021)	OP Production started in 2013	
Commodities	Cu, Au	Cu, Au	Cu, Au, Ag	Cu, Au, Ag, Mo	
Reserves (Mt) / Grade (%)	n/a	n/a	36Mt @ 0.74g/t Au & 30.5g/t Ag	1,272Mt @ 0.81% Cu, 0.29g/t Au & 1.87g/t Ag	
Resources (Mt) / Grade (%)	598.2Mt@ 0.32% Cu & 0.23g/t Au	2,950Mt @ 0.37% Cu & 0.24g/t Au	2,121Mt @ 0.41% Cu, 0.04g/t Au & 1.9g/t Ag	5,698Mt @ 0.72% Cu, 0.30g/t Au, 1.92g/t Ag & 32.7ppm Mo	
Contained Metal by Resources (Mt, CuEq) / Grade ² (% CuEq)	2.6Mt CuEq / 0.44% CuEq	15.4Mt CuEq / 0.53% CuEq	14.6Mt CuEq / 0.69% CuEq	51.7Mt CuEq / 0.91% CuEq	
Project Ownership (%)	Xanadu Mines (76.5%) QGX (10.0%), Mongol Metals (13.5%)	SolGold (85.0%) Cornerstone Capital (15.0%)	Merdeka (100%)	Turquoise Hill (66.0%) Government of Mongolia (34.0%)	
Corporate Ticker	ASX:XAM	LON:SOLG / TSX:SOLG	IDX:MDKA	TSX:TRQ / NYSE: TRQ	
Market Cap (\$m)	41.3	741.7 ³	3,007.2	2,562.8	
Cash / Debt (\$m)	2.5 / -	74.6 / 21.5	63.0 / 230.1	2,673.9 / 6,908.6	
EV (\$m)	38.8	688.6	3,174.3	6,797.5	
EV / Attrib. Resources (\$/t, CuEq)	19.5	52.6	n/a, multiple assets owned	199.2	
Key Shareholders	ACA (20.6%), Neate Family (10.9%), SSI (9.5%) and Noble (6.9%)	BHP Group (14.7%) Newcrest Mining (14.6%) DGR Global (10.6%)	Saratoga (23%) Provident (23%) Garibaldi Thohir (9%)	Rio Tinto (50.8%) Pentwater (9.1%) Sailingstone Capital (6.0%)	

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Source: Company Reports, S&P Market Intelligence

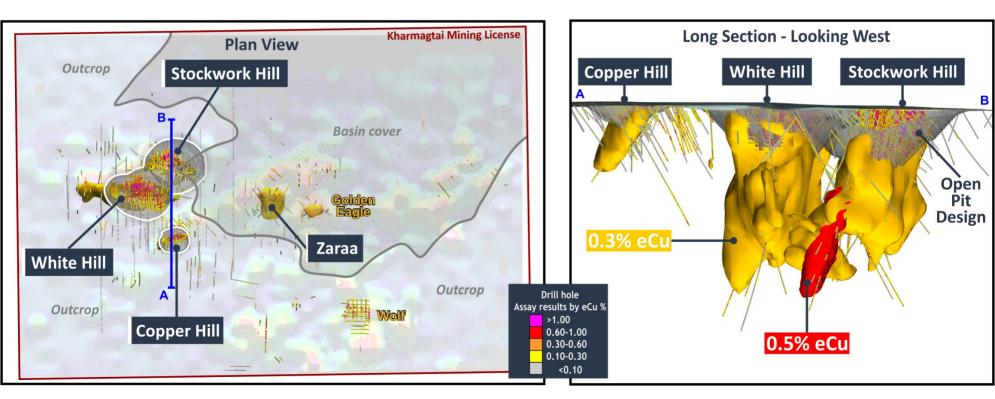
1. Type II porphyry deposits are commonly associated with more gold and copper in in the form of chalcopyrite

Page 22 2. Assumptions Gold Price: US\$1,700/oz and Copper Price US\$5,800/t

3. Inclusive of recent equity raising (gross proceeds of c. £26.1m) and Franco Nevada bridge loan (US\$15m)

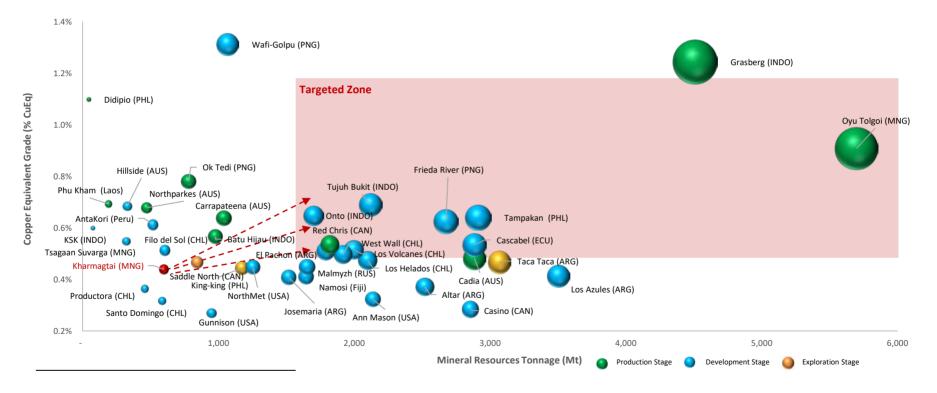
Appendix: Kharmagtai Interim Mineral Resource Estimate

Significant targets outside the Interim Resource open pit shells



Appendix: Deposits by Development Stage

Bubble Size = Contained Metal¹ (Mt CuEq)



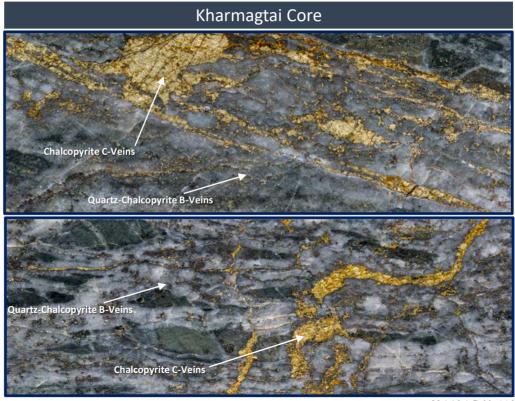
Source: S&P Global Market Intelligence, Company Disclosure

Note: Graphic depicts non-production assets only. Assumptions: Gold Price: U\$\$1,320/oz and Copper Price U\$\$3.1/lb; NuevaUnion and KSM are excluded due to the project scale

Appendix: The Right Characteristics

Kharmagtai core bears similar features to Oyu Tolgoi

Oyu Tolgoi Core Quartz-Chalcopyrite B-Veins **Chalcopyrite C-Veins** Quartz-Chalcopyrite B-Veins Chalcopyrite C-Veins



Appendix: South Gobi Infrastructure

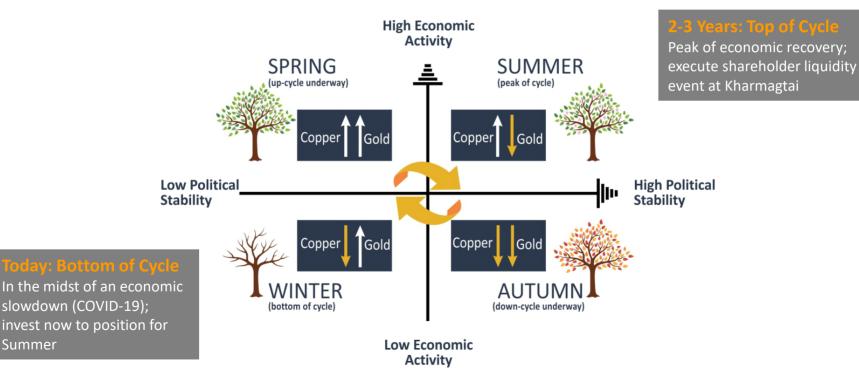
Transport infrastructure next door to Kharmagtai and Red Mountain



- Rail line under construction, running near Kharmagtai and Red Mountain
- Sealed roads constructed to Oyu Tolgoi and Tavan Tolgoi
- Grid power and water investments to follow sealed roads and rail

Appendix: Exploration Timed to Leverage Copper Cycle

Sustained copper price recovery underway from COVID-19 induced lows



Competent Person's Statement

The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code 2012') sets out minimum standards, recommendations and guidelines for Public Reporting in Australasia of Exploration Results, Mineral Resources and Ore Reserves. The Information contained in this announcement has been presented in accordance with the JORC Code 2012.

The information in this announcement that relates to Mineral Resources is based on information compiled by Dmitry Pertel who is responsible for the Mineral Resource estimate. Mr Pertel is a full-time employee of CSA Global and is a Member of the Australian Institute of Geoscientists, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the "Qualified Person" as defined in the CIM Guidelines and National Instrument 43-101. Mr Pertel consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to the Scoping Study is based, and fairly reflects, information compiled by Gordon Zurowski, P.Eng is a registered Professional Engineer in Ontario, Canada. Mr Zurowski is employed by CSA Global, independent resource industry consultants. Mr Zurowski 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 Zurowski 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 announcement that relates to metallurgical test work is based on a summary of results compiled by Andrew Holloway who is responsible for metallurgical and process engineering aspects of the project. Mr. Holloway, who is a principal of AGP Mining Consultants Inc. (Toronto, Canada) and is a Professional Engineer in Ontario, Canada, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the "Competent Person" as defined in the 2012 Edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves" and the National Instrument 43-101. Mr Holloway consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this announcement that relates to exploration results is based on information compiled by Dr Andrew Stewart who is responsible for the exploration data, comments on exploration target sizes, QA/QC and geological interpretation and information. Dr Stewart, who is an employee of Xanadu and is a Member of the Australasian Institute of Geoscientists, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the "Competent Person" as defined in the 2012 Edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves" and the National Instrument 43-101. Dr Stewart consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.