

QUARTERLY ACTIVITIES REPORT

ACTIVITIES FOR THE QUARTER ENDING 31 MARCH 2015

HIGHLIGHTS

Maiden Mineral Resource Estimate complete for Kharmagtai

- Total Resource 203 Mt @ 0.34% Cu and 0.33 g/t Au (0.55 % Cu equivalent "CuEq");
 - Contained metal content of 1,500 Mlb Cu and 2.2 Moz Au;
 - Combined open pit and underground Resource using a 0.3% CuEq cut-off within a Whittle optimised shell and 0.5% CuEq outside;
- High grade core of 56 Mt at 0.47% Cu and 0.59 g/t Au (0.85% CuEq);
 - Contained metal content of 580 Mlb Cu and 1.1 Moz Au;
 - Combined open pit and underground Resource using a 0.6% CuEq cut-off;
- The current Resources occupy only a small portion of the much larger mineralised Kharmagtai Intrusive Complex (KIC) which was first identified from surface outcrops and already partly extended under shallow cover using geophysics and drill testing.

Exploration Targeting New Discoveries at Kharmagtai

- Exploration drilling recommences at Kharmagati;
- Exploration drilling will test numerous near-surface strike extensions and several high priority targets lying under shallow cover that have the same geophysical response and geometry as existing resources within the Kharmagtai district;
- Drilling to target an increase in the Maiden Resource Estimate.

Future growth from exploration success on several fronts

 Approximately 2000m of exploration drilling recently completed at Oyut Ulaan with full results and analysis to be finalised in the first week of May.

Strong financial position and leadership team

- Strong balance sheet with A\$6.4m cash at 31 March;
- \$15.3m raised from Placement and Rights Issue and Noble Group maintains 9% equity ownership;
- Mark Wheatley was appointed as Executive Chairman (50% basis) and Dr. Andrew Stewart as Chief Executive Officer;
- New appointments are an important step for Xanadu as the Company focuses on its Mongolian copper-gold strategy and continued exploration success.

Recent success at Kharmagtai recognised as one of the world's most exciting exploration projects

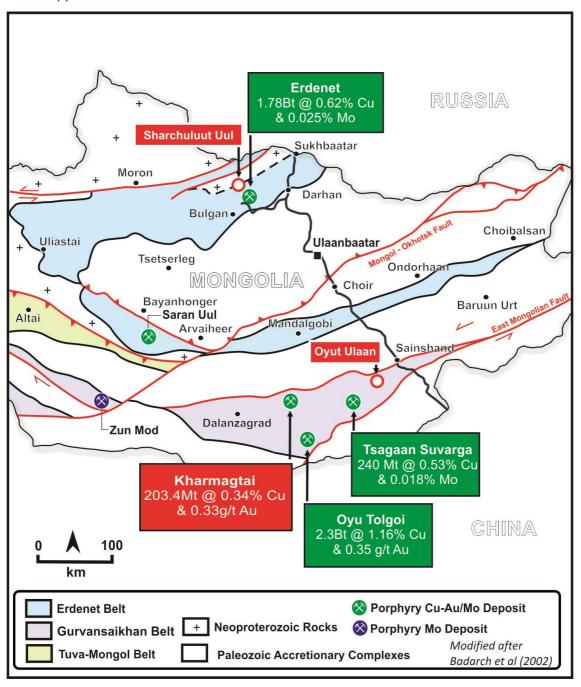
• Xanadu was nominated for both "Exploration Deal of the Year" and "Discovery of the Year" at the annual Mines and Money Conference in Hong Kong in March.



Xanadu Mines Ltd (ASX: XAM – "**Xanadu**") is pleased to provide shareholders with an update for the three months to 31 March 2015.

Xanadu has achieved a significant milestone this quarter by completing a maiden Mineral Resource Estimate in accordance with the JORC 2012 Code for the Kharmagtai copper-gold project within 12 months since acquisition. The Kharmagtai project is one of the most advanced copper-gold projects in northern Asia and Xanadu's exploration activities continue to increase the potential viability of the project through focused exploration.

Figure 1: Location of the Kharmagtai and Oyut Ulaan copper-gold projects within Mongolia's South Gobi Copper Belt.





KHARMAGTAI PROJECT

The Kharmagtai project is located within the South Gobi porphyry copper province of Mongolia, approximately 420km south-southwest of Ulaanbaatar (Figure 1). The project is strategically located 120km north of the giant Oyu Tolgoi porphyry copper-gold operation and 100km west of the Tsagaan Suvarga porphyry copper-molybdenum development.

The Kharmagtai project is a joint venture between Xanadu Mines and Mongol Metals LLC. Under the Mongol Metals LLC joint venture terms, Xanadu has the right to earn an 85% interest in the Kharmagtai project, equivalent to a 76.5% effective interest, by funding acquisition and exploration costs.

KHARMAGTAI JORC RESOURCE

Exploration at Kharmagtai over the past decade has delineated numerous shallow gold-rich Cu-Au porphyry systems and the project is presently growing towards a moderate-size porphyry deposit, with relatively high Au (ppm) to Cu (%) ratios.

Xanadu announced on a Maiden JORC Mineral Resource Estimate on 19 March 2015. The Mineral Resource Estimate amounts to 203 Mt @ 0.34% Cu and 0.33 g/t Au (0.55% CuEq) for a contained metal content of 1,500 Mlb Cu and 2.2 Moz Au. This Mineral Resource, based on a total of 108,130 metres of drilling (83,577 metres of diamond and 24,553 metres of Reverse Circulation) and includes indicated resource categories as well as inferred classified material, is reported at a 0.3% CuEq cut-off constrained within Whittle optimised pit shells and CuEq cut-off 0.5% CuEq applied to the underground resources (Tables 1 & 4).

The Resource Estimate also includes a higher grade core of **56 Mt** @ **0.47%** Cu and **0.59 g/t** Au (**0.85%** Cu equivalent) for a contained metal content of **580 Mlb** Cu and **1.1 Moz** Au. The higher grade core is reported at a 0.6% CuEq cut-off and split between open pit within a Whittle optimised pit shell and underground outside of the pit shell (Tables 2 & 5).

Mineralisation is open along strike and at depth with high grade tourmaline breccia hosted mineralisation intersections open at depth and along strikes (Figures 3 & 4). Significant potential exists to increase the current Resource Estimate through additional drilling which will target near-surface strike extensions and several high priority targets lying under shallow cover that have the same geophysical response and geometry as existing deposits.

Xanadu is very proud to be delivering a maiden Mineral Resource estimate within a year of its acquisition. Recent exploration and the rapid conversion to a maiden Mineral Resource is the result of a great team effort.



Figure 2: Kharmagtai porphyry copper-gold district showing location of Altan Tolgoi, Tsagaan Sudal and Zesen Uul deposits, as well as other porphyry targets.

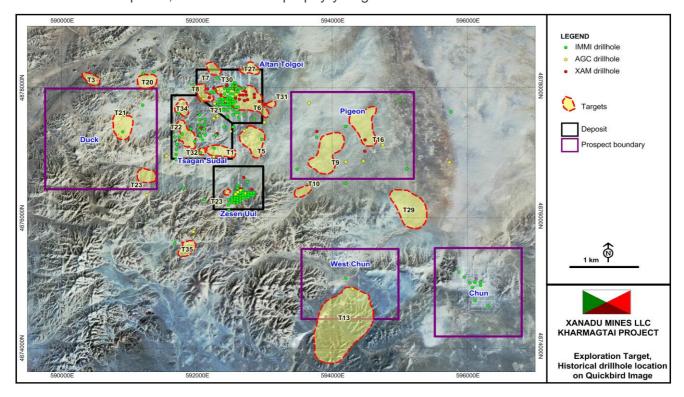


Table 1: Summary Mineral Resource Estimate tabulation for Kharmagtai Deposit, March 2015. Reported at a 0.3% CuEq cut-off constrained within optimised pit shells, and CuEq cut-off 0.5% CuEq applied to the underground. Refer to Table 4 for the detailed Mineral Resource Estimate.

_	Mining Cut-Off		Resource	Material		Grade			Metal	
Deposit	Method	CuEq(%)	Category	(Mt)	Cu(%)	Au(g/t)	CuEq(%)	Cu(MIb)	Au(Koz)	
			Indicated	23	0.41	0.55	0.76	203	401	
	OC	OC 0.3	Inferred	107	0.27	0.24	0.42	641	833	
			Subtotal	129	0.30	0.30	0.48	844	1,234	
		IG 0.5	Indicated	24	0.43	0.47	0.73	225	359	
A.I.	UG		Inferred	51	0.42	0.36	0.64	463	591	
All			Subtotal	74	0.42	0.40	0.67	688	950	
			Indicated	46	0.42	0.51	0.74	428	759	
Combined		ed	Inferred	157	0.32	0.28	0.49	1,104	1,424	
			Total	203	0.34	0.33	0.55	1,533	2,184	



Table 2: Summary Mineral Resource Estimate tabulation for Kharmagtai Deposit, March 2015. Reported at a 0.6% CuEq cut-off constrained within an optimised pit shell. Refer to Table 5 for the detailed Mineral Resource Estimate.

_	Mining Cut Off		Resource	Material	Grade			Metal	
Deposit	Method	CuEq(%)	Category	(Mt)	Cu(%)	Au(g/t)	CuEq(%)	Cu(MIb)	Au(Koz)
			Indicated	9	0.52	0.87	1.08	102	248
	ОС	0.6	Inferred	1	0.38	0.82	0.92	11	34
			Subtotal	10	0.50	0.86	1.06	113	282
		JG 0.6	Indicated	20	0.46	0.57	0.83	203	368
All	UG		Inferred	26	0.46	0.50	0.78	263	418
			Subtotal	46	0.46	0.53	0.80	465	786
			Indicated	29	0.48	0.66	0.91	305	616
	Combine	ed	Inferred	27	0.46	0.52	0.79	274	452
			Total	56	0.47	0.59	0.85	578	1,068

Figure 3: Kharmagtai plan projection showing 2015 Resource constraining pit shells for Altan Tolgoi, Tsagaan Sudal and Zesen Uul deposits.

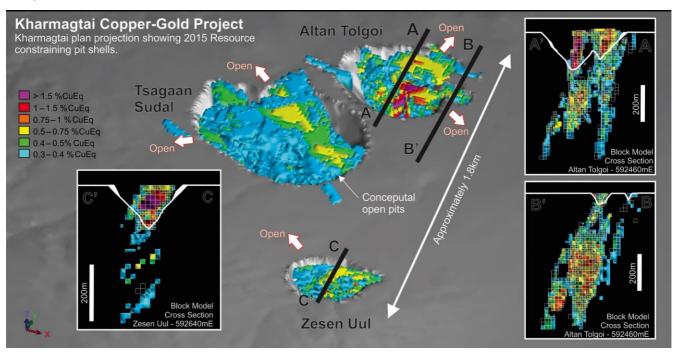
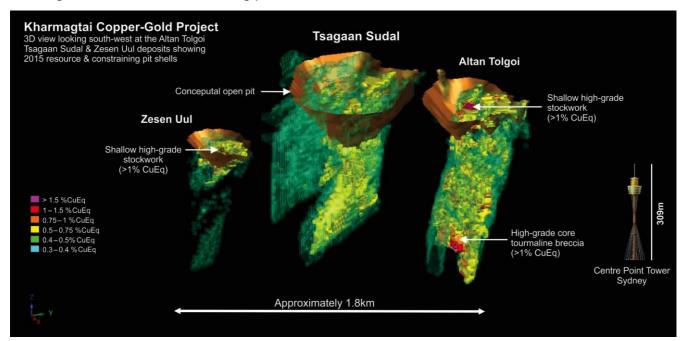




Figure 4: 3D view looking south-west at the Altan Tolgoi, Tsagaan Sudal and Zesen Uul deposits showing 2015 Resource constraining pit shells.



KHARMAGTAI DRILL PLAN FOR 2015 - TARGETING NEW DISCOVERIES

Kharmagtai demonstrated its highly prospective and largely untested exploration potential in 2014 and will continue to be Xanadu's primary focus of exploration activities in 2015.

Xanadu will continue exploration efforts to grow the Kharmagtai Mineral Resource, to find additional mineralisation within the KIC and to test the other targets within the large district that have the same geophysical response and geometry as existing resources within the KIC with the aim of unlocking the full potential of this under explored porphyry district.

The current Resource occupies only a small portion of the much larger mineralised KIC which was first identified from surface outcrops and already partly extended under shallow cover using geophysics and drill testing. Magnetic and gravity surveys indicate that the KIC extends at least another 2 kilometres into a shallow sediment-filled basin with approximately 70% of the intrusive complex lying under shallow quaternary cover.

Several favourable geophysical targets occur within the basin including the magnetic lineaments that have controlled porphyry mineralisation. There is excellent potential for the discovery of new porphyry systems under cover within this strongly mineralised igneous complex.

A fully funded multi-rig drilling program has recommencement at Kharmagati. This targeted exploration program will test numerous near-surface strike extensions and several high priority targets lying under shallow cover that have the same geophysical response and geometry as existing resources within the Kharmagati district. It is anticipated that further discoveries within the Kharmagtai district will require the testing of a number of concealed geophysical and geological targets.



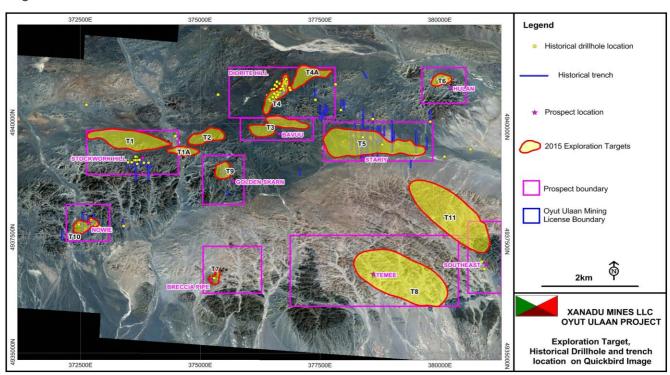
EXPLORATION ACTIVITIES AT OYUT ULAAN

Xanadu recently completed 9 drill holes for approximately 2,049.60m of diamond drilling and other exploration activities at the Oyut Ulaan project with full results and analysis to be finalised in the first week of May. This exciting field program began and was completed earlier than expected due to favourable weather conditions in Mongolia.

Oyut Ulaan is located within the Dornogovi Province of southern Mongolia, approximately 420 kilometres southeast of Ulaanbaatar. It is strategically located within the South Gobi Copper Belt (Figure 1) (which hosts the world class Oyu Tolgoi copper-gold project) and 260 kilometres east of Xanadu's flagship Kharmagtai copper-gold project. Oyut Ulaan consists of multiple co-genetic porphyry copper-gold centres, mineralised tourmaline breccia pipes and copper-gold / base metal magnetite skarns, which occur within the central part of Mining Licence 17129A (Oyut Ulaan; Figure 5).

Xanadu's previous exploration programs at Oyut Ulaan delivered excellent results and the company is investigating two of the most prospective areas of mineralisation, Diorite Hill and Stockwork Hill in the first part of the program (Figure 5). Full results will be finalised in the first week of May.

Figure 5: Oyut Ulaan porphyry copper-gold district showing key prospects as well as other porphyry targets





CORPORATE

Management Changes

During the quarter two internal senior executive appointments included Mark Wheatley as Executive Chairman and Dr. Andrew Stewart as Chief Executive Officer. These appointments are an important step for Xanadu as the Company focuses on its Mongolian copper-gold strategy and continued exploration success.

Mark Wheatley, in the role of Executive Chairman, will guide and oversee the growth of the Company as it continues the exploration and development of its copper-gold projects. Mark has had a successful executive career and has led a number of listed junior miners as both CEO and Chairman through significant periods of growth. The move to an executive role (50% basis) allows more direct access to Mark's experience as Xanadu delivers on its Mongolian copper-gold strategy.

Andrew has been promoted to CEO from his current position as Xanadu's Chief Geologist and Country Manager in Mongolia. Andrew is a porphyry copper specialist with a track record of new discoveries and extensive Mongolian experience. Andrew will continue to be based in Mongolia and focus on delivering exploration success and the Company will also benefit from Andrew's contribution to all of its corporate activities.

George Lloyd steps down as Managing Director and CEO, following a successful two year period and will act as an advisor to Mark and Andrew over a brief transition period.

Share Capital

As at 31 March 2014, the Company had 371,978,226 fully paid shares outstanding, 6,850,000 performance rights and 38,000,000 unlisted options on issue including 35,000,000 options issued pursuant to the restructure of the Oyut Ulaan Acquisition terms.

Financial position

As at 31 March 2015, the Company was in a strong position with A\$6.4m in cash. Xanadu has changed its financial year-end to 31 December, consistent with its Mongolian statutory reporting obligations and seasonality of operations. During the Quarter, the Rights Issue closed bringing total funds raised from the Placement and Rights Issue to A\$15.3 million. These funds were allocated to the reduction of the Kharmagtai deferred consideration, now standing at A\$4.9 million (\$US3.8 million), and to fund exploration. Importantly, the Noble Group continue to support the Company and invested to sustain its holding at approximately 9%.

Kharmagtai deferred consideration payment date extended to 31 July 2016

Management has successfully negotiated for the repayment date of the deferred consideration for the Kharmagtai project to be extended by eight months to 31 July 2016. This extension allows the Company to focus its funding on exploration and value creation at its properties this year.

Awards

During the quarter the Company was nominated for both "Exploration Deal of the Year" and "Discovery of the Year" at the annual Mines and Money Conference in Hong Kong. The global awards recognise outstanding achievements by mineral exploration companies around the world in the past year.



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KHARMAGTAI PROJECT & THE MONGOL METALS JV

Xanadu and its joint venture partner, Mongol Metals LLC, announced the acquisition of a 90% interest in the Kharmagtai porphyry copper-gold project from Turquoise Hill Resources in February 2014. Under the Mongol Metals LLC joint venture terms, Xanadu has the right to earn an 85% interest in Mongol Metals LLC, equivalent to a 76.5% effective project interest, by funding acquisition and exploration costs.

The Kharmagtai project is located in the under-explored South Gobi porphyry copper province which hosts the world-class Oyu Tolgoi copper-gold operation, the Tsagaan Suvarga porphyry copper-molybdenum development and Xanadu's Oyut Ulaan copper-gold exploration project. The Kharmagtai project is located within the Umnugovi Province, approximately 420km south southwest of Ulaanbaatar and 60km north of the Tavan Tolgoi coal deposit.

The Kharmagtai project is an advanced exploration project consisting of multiple co-genetic gold-rich porphyry copper centres and tourmaline breccia pipes occurring within the Lower Carboniferous Kharmagtai Igneous Complex. Exploration has identified significant shallow high-grade porphyry copper-gold mineralisation. A majority of the mineralised porphyry complex lies under un-explored shallow sediments. The large licence area has only been partially explored and the potential for further discoveries remains high.

COMPETENT PERSON STATEMENTS

Exploration Results

The information in this report 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, which is incorporated in the database that was provided to Mining Associates for undertaking the a resource estimate. Dr Stewart, who is an employee of Xanadu and is a Member of the Australasian Institute of Geoscientists. Dr. Stewart 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". Dr. Stewart consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



Kharmagtai Mineral Resource Estimate

The information in this report that relates to Kharmagtai Mineral Resource Estimate is extracted from an ASX announcements dated 19 March 2015 and is available to view at http://www.xanadumines.com. The information that relates to Mineral Resources is based on information compiled by Mr Andrew J. Vigar, who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Vigar is employed by Mining Associates Limited in Hong Kong. Mr Vigar 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 Vigar consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

TABLE 3: TENEMENTS HELD AS AT 31 MARCH 2015

Set out below is the relevant information in relation to Xanadu's mining tenements as required under ASX Listing Rule 5.3.3.

Tenement No.	Tenement Name	Location	Change in % Interest	% Interest as at 31 March
MV17387A ¹	Kharmagtai	Umnugovi Province	3%	64%
MV017129	Oyut Ulaan	Dornogovi Province	-	90%
13670x	Sharchuluut	Bulgan Province	-	100%

^{1.} The Kharmagtai project has been funded through Xanadu's interest in Mongol Metals LLC by a combination of equity and shareholder advances converted to equity periodically. Xanadu's interest in Mongol Metals LLC is equivalent to approximately 71.3% as at 31 March 2015 (an effective 64.2% interest in the Kharmagtai project).



TABLE 4: MINERAL RESOURCE ESTIMATE @ 0.3% CuEq CUT-OFF

Mineral Resource Estimate tabulation for Kharmagtai Deposit - March 2015. Reported at a 0.3% CuEq cut-off constrained within optimised pit shells and CuEq cut-off 0.5% CuEq applied to the underground resources.

D	Mining	Cut-Off	Resource	Material		Grade		Me	etal
Deposit	Method	CuEq(%)	Category	(Mt)	Cu(%)	Au(g/t)	CuEq(%)	Cu(MIb)	Au(Koz)
			Indicated	14.5	0.37	0.56	0.73	119	262
	OC	0.3	Inferred	7.5	0.30	0.44	0.58	49	106
			Subtotal	22.0	0.35	0.52	0.68	168	368
			Indicated	23.2	0.43	0.47	0.73	219	350
AT	UG	0.5	Inferred	32.8	0.43	0.43	0.70	311	453
			Subtotal	55.9	0.43	0.45	0.71	530	803
			Indicated	37.7	0.41	0.50	0.73	338	612
	Com	bined	Inferred	40.2	0.41	0.43	0.68	360	559
			Total	78.0	0.41	0.47	0.70	698	1,171
			Indicated	-	-	-	•	-	-
	OC	0.3	Inferred	97.7	0.27	0.23	0.41	581	722
			Subtotal	97.7	0.27	0.23	0.41	581	722
			Indicated	-	-	-	•	-	-
TS	UG	0.5	Inferred	17.7	0.39	0.24	0.54	152	136
			Subtotal	17.7	0.39	0.24	0.54	152	136
	Combined		Indicated	-	-	-	-	-	-
			Inferred	115.4	0.29	0.23	0.43	733	859
			Total	115.4	0.29	0.23	0.43	733	859
	ОС	0.3	Indicated	8.0	0.5	0.5	0.8	84.6	138.8
			Inferred	1.4	0.3	0.1	0.4	10.5	5.4
			Subtotal	9.4	0.46	0.48	0.76	95	144
	UG	0.5	Indicated	0.6	0.4	0.4	0.7	5.7	8.8
ZU			Inferred	0.1	0.3	0.5	0.6	0.5	1.3
			Subtotal	0.7	0.40	0.44	0.67	6	10
			Indicated	8.6	0.47	0.53	0.81	90	148
	Com	bined	Inferred	1.5	0.34	0.14	0.42	11	7
		ı	Total	10.1	0.45	0.47	0.75	101	154
			Indicated	23	0.41	0.55	0.76	203	401
	OC	0.3	Inferred	107	0.27	0.24	0.42	641	833
			Subtotal	129	0.30	0.30	0.48	844	1,234
			Indicated	24	0.43	0.47	0.73	225	359
All	UG	0.5	Inferred	51	0.42	0.36	0.64	463	591
			Subtotal	74	0.42	0.40	0.67	688	950
			Indicated	46	0.42	0.51	0.74	428	759
	Com	bined	Inferred	157	0.32	0.28	0.49	1,104	1,424
			Total	203	0.34	0.33	0.55	1,533	2,184



TABLE 5: MINERAL RESOURCE ESTIMATE @ 0.6% CuEq CUT-OFF

Mineral Resource Estimate tabulation for Kharmagtai Deposit - March 2015. Reported at a 0.6 % CuEq cut-off.

Day 1	Mining	Cut-Off	Resource	Material		Grade		Me	etal		
Deposit	Method	CuEq(%)	Category	(Mt)	Cu(%)	Au(g/t)	CuEq(%)	Cu(Mlb)	Au(Koz)		
			Indicated	4.7	0.47	0.92	1.06	49	140		
OC	0.6	Inferred	1.2	0.38	0.88	0.95	10	33			
			Subtotal	5.9	0.45	0.91	1.04	59	173		
			Indicated	19.0	0.46	0.57	0.83	193	349		
AT	UG	0.6	Inferred	22.1	0.46	0.52	0.79	224	369		
			Subtotal	41.1	0.46	0.54	0.81	417	718		
			Indicated	23.8	0.46	0.64	0.88	242	489		
	Com	bined	Inferred	23.3	0.46	0.54	0.80	234	402		
			Total	47.0	0.46	0.59	0.84	476	891		
			Indicated	-	-	-	-	-	-		
	OC	0.6	Inferred	0.1	0.41	0.32	0.61	1	1		
			Subtotal	0.1	0.41	0.32	0.61	1	1		
			Indicated	-	1	-	-	-	-		
TS	UG	UG	0.6	Inferred	3.6	0.48	0.41	0.74	38	48	
			Subtotal	3.6	0.48	0.41	0.74	38	48		
			Indicated	-	-	-	-	-	-		
	Combined		Inferred	3.7	0.48	0.41	0.74	39	48		
			Total	3.7	0.48	0.41	0.74	39	48		
			Indicated	4.1	0.6	0.8	1.1	52.8	107.6		
	OC	0.6	Inferred	0.1	0.4	0.4	0.6	0.7	0.9		
			Subtotal	4.2	0.58	0.80	1.09	54	109		
			Indicated	0.9	0.5	0.7	0.9	9.8	19.3		
ZU	UG	UG	'U UG	0.6	Inferred	0.0	0.3	0.6	0.7	0.3	0.7
			Subtotal	1.0	0.47	0.65	0.88	10	20		
			Indicated	5.1	0.56	0.78	1.06	63	127		
	Com	bined	Inferred	0.1	0.39	0.44	0.67	1	2		
			Total	5.2	0.56	0.77	1.05	64	129		
			Indicated	9	0.52	0.87	1.08	102	248		
	OC	0.6	Inferred	1	0.38	0.82	0.92	11	34		
			Subtotal	10	0.50	0.86	1.06	113	282		
			Indicated	20	0.46	0.57	0.83	203	368		
All	UG	0.6	Inferred	26	0.46	0.50	0.78	263	418		
			Subtotal	46	0.46	0.53	0.80	465	786		
			Indicated	29	0.48	0.66	0.91	305	616		
	Com	bined	Inferred	27	0.46	0.52	0.79	274	452		
			Total	56	0.47	0.59	0.85	578	1,068		



APPENDIX 1: KHARMAGTAI TABLE 1 (JORC 2012)

Set out below is Section 1 and Section 2 of Table 1 under the JORC Code, 2012 Edition for the Kharmagtai project. Data provided by Turquoise Hill and Xanadu. This Table 1 updates the JORC Table 1 disclosure dated 19 March 2015.

1.1 JORC TABLE 1 - SECTION 1 - SAMPLING TECHNIQUES AND DATA

(Criteria in this section apply to all succeeding sections).

Criteria	JORC Code Explanation	Commentary
Sampling techniques	 Nature and quality of sampling and assaying. Measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are material to the Public Report. 	 The resource estimate is based on drill samples only. Representative 2 metre samples were taken from ½ NQ or HQ diamond core. Only assay result results from recognised, independent assay laboratories were used in Resource calculation after QAQC was verified.
Drilling techniques	Drill type and details.	DDH drilling has been the primary drilling method.
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	 DDH core recoveries have been very good, averaging between 97% and 99% for all of the deposits. In localised areas of faulting and/or fracturing the recoveries decrease; however this is a very small percentage of the overall mineralised zones. Recovery measurements were collected during all DDH programs. The methodology used for measuring recovery is standard industry practice. Analysis of recovery results vs. grade indicates no significant trends. Indicating bias of grades due to diminished recovery and / or wetness of samples.
Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	 Drill samples are logged for lithology, mineralisation and alteration and geotechnical aspects using a standardised logging system, including the recording of visually estimated volume percentages of major minerals. Drill core was photographed after being logged by a geologist. The entire interval drilled has been logged by a geologist.

second analytical technique (AAS22S), which has a higher upper detection limit (UDL) of 5% copper.

Quality assurance was provided by introduction of known certified standards, blanks and duplicate samples on a

routine basis.



Criteria	JORC Code Explanation	Commentary
Sub-sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 DDH Core is cut in half with a diamond saw, following the line marked by the geologist. The rock saw is regularly flushed with fresh water. Sample intervals are a constant 2m interval down-hole in length. Routine sample preparation and analyses of DDH samples were carried out by SGS Mongolia LLC (SGS Mongolia), who operates an independent sample preparation and analytical laboratory in Ulaanbaatar. All samples were prepared to meet standard quality control procedures as follows: Crushed to 90% passing 3.54 mm, split to 1kg, pulverised to 90% - 95% passing 200 mesh (75 microns) and split to 150g. Certified reference materials (CRMs), blanks and pulp duplicate were randomly inserted to manage the quality of data. Sample sizes are well in excess of standard industry requirements.
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	 All samples were routinely assayed by SGS Mongolia for gold, copper, silver, lead, zinc, arsenic and molybdenum. Au is determined using a 30g fire assay fusion, cupelled to obtain a bead, and digested with Aqua Regia, followed by an atomic absorption spectroscopy (AAS) finish, with a lower detection (LDL) of 0.01 ppm. Cu, Ag, Pb, Zn, As and Mo were routinely determined using a three-acid-digestion of a 0.3g sub-sample followed by an AAS finish (AAS21R). Samples are digested with nitric, hydrochloric and perchloric acids to dryness before leaching with hydrochloric acid to dissolve soluble salts and made to 15mL volume with distilled water. The LDL for copper using this technique was 2ppm. Where copper is over-range (>1% Cu), it is analysed by a second analytical technique (AAS22S),



Criteria	JORC Code Explanation	Commentary
Criteria	JONG Code Explanation	Commentary
		 Assay results outside the optimal range for methods were re-analysed by appropriate methods.
		 Ore Research Pty Ltd certified copper and gold standards have been implemented as a part of QAQC procedures, as well as coarse and pulp blanks, and certified matrix matched copper-gold standards. QAQC monitoring is an active and
		ongoing processes on batch by batch basis by which unacceptable results are re-assayed as soon as practicable.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	 All assay data QAQC is checked prior to loading into the Geobank data base. The data is managed XAM geologists.
	The use of twinned holes.	The data base and geological
	 Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. 	interpretation is collectively managed by XAM.
	Discuss any adjustment to assay data.	
Location of data points	 Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and 	 All DDH's have been surveyed with a differential global positioning system (DGPS) to within 10cm accuracy.
	 other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control. 	 All DDH's have been down hole surveyed to collect the azimuth and inclination at specific depths. Two principal types of survey method have been used over the duration of the drilling programs including Eastman Kodak and Flexit.
		UTM WGS84 48N grid.
		 The DTM is based on 1 metre contours with an accuracy of ±0.01 metre.
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of 	 Drilling has been completed on nominal north-south sections, commencing at 120m spacing and then closing to 40m for resource estimation.
	geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	 Vertical spacing of intercepts on the mineralised zones similarly commences at 100m spacing and then closing to 50m for resource estimation.
	Whether sample compositing has been applied.	Drilling has predominantly occurred with angled holes approximately 70° to 60° inclination below the horizontal and either drilling to north or south, depending on the dip of the target mineralised zone. I have have been drilled to 1000m vertical.
		 Holes have been drilled to 1000m vertical depth



Criteria	JORC Code Explanation	Commentary
		The data spacing and distribution is sufficient to establish geological and grade continuity appropriate for the Mineral Resource estimation procedure and has been taken into account in 3D space when determining the classifications to be applied.
Orientation of data in relation to geological structure	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	 Drilling has been predominantly completed on north-south section lines along the strike of the known mineralised zones and from either the north or the south depending on the dip. Vertical to South dipping ore bodies were predominantly drilled to the north. Scissor drilling, (drilling from both north and south), as well as vertical drilling, has been used in key mineralised zones to achieve unbiased sampling of possible structures and mineralised zones.
Sample security	The measures taken to ensure sample security.	 Samples are dispatched from site through via company employees and secure company vehicles to the laboratories. Samples are signed for at the laboratory with confirmation of receipt emailed through. Samples are then stored at the lab and returned to a locked storage site.
Audits or reviews	The results of any audits or reviews of sampling techniques and data	 Internal audits of sampling techniques and data management on a regular basis, to ensure industry best practice is employed at all times. External review and audit have been conducted by the following groups 2012 – AMC Consultants Pty Ltd. was engaged to conduct an Independent Technical Report which reviewed drilling and sampling procedures. It was concluded that sampling and data record was appropriate for use in resource estimation including that required by the NI 43-101 standards. 2013 - Mining Associates Ltd. was engaged to conduct an Independent Technical Report to review drilling, sampling techniques, QAQC and previous resource estimates. Methods were found to conform to international best practice.



1.2 JORC TABLE 1 SECTION 2 - REPORTING OF EXPLORATION RESULTS

(Criteria in this section apply to all succeeding sections).

Criteria	JORC Code Explanation	Commentary
		•
Mineral tenement and land tenure status	 Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area. 	 The Project comprises 1 Mining Licence (MV 17387A). 100% owned by Oyut Ulaan LLC. Xanadu and its joint venture partner, Mongol Metals can earn a 90% interest in the Kharmagtai porphyry copper-gold project. The remaining 10% is owned by Quincunx Ltd, which in turn is owned by an incorporated joint venture between Kerry Holdings Ltd. and MCS Holding LLC. The Mongolian Minerals Law (2006 and Mongolian Land Law (2002) govern exploration, mining and land use rights for the project.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Previous exploration was conducted by Quincunx Ltd, Ivanhoe Mines Ltd and Turquoise Hill Resources Ltd including extensive drilling, surface geochemistry, geophysics, mapping and mineral resource estimation to NI 43-101 standards.
Geology	Deposit type, geological setting and style of mineralisation.	 The mineralisation is characterised as porphyry copper-gold type. Porphyry copper-gold deposits are formed from magmatic hydrothermal fluids typically associated with felsic intrusive stocks that have deposited metals as sulphides both within the intrusive and the intruded host rocks. Quartz stockwork veining is typically associated with sulphides occurring both within the quartz veinlets and disseminated thought out the wall rock. Porphyry deposits are typically large tonnage deposits ranging from low to high grade and are generally mined by large scale open pit or underground bulk mining methods. The deposits at Kharmagtai are atypical in that they are associated with intermediate intrusions of diorite to quartz diorite composition, however the deposits are in terms of contained gold significant, and similar gold-rich porphyry deposits.
Drill hole information	A summary of all information material to the understanding of the exploration results including a tabulation of the	 Diamond drill holes are the principal source of geological and grade data for the Project. See Table 1 in main report.



Criteria **JORC Code Explanation** Commentary following information for all Material drill holes: easting and northing of the drill hole elevation or Reduced Level (RL) elevation above sea level in metres) of the drill hole collar. dip and azimuth of the hole down hole length and interception depth hole length. If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. Data In reporting Exploration Results, A nominal cut-off of 0.1% Cu is used for aggregation weighting averaging techniques, identification of potentially significant methods maximum and/or minimum grade intercepts for reporting purposes. truncations (eg cutting of high grades) Most of the reported intercepts are shown and cut-off grades are usually material in sufficient detail, including maxima and and should be stated. subintervals, to allow the reader to make Where aggregate intercepts incorporate an assessment of the balance of high and short lengths of high grade results and low grades in the intercept. longer lengths of low grade results, the Informing Samples have been procedure used for such aggregation composited to two metre lengths should be stated and some typical honouring the geological domains and examples of such aggregations should be adjusted where necessary to ensure that shown in detail. no residual sample lengths have been The assumptions used for any reporting excluded (best fit). of metal equivalent values should be Metal equivalents used the following clearly stated. formula: CuEq = Cu% x (Aug/t x 0.6378)Formula is based on a \$2.60/lb copper price and a \$1,300/oz gold price. A gold recovery factor of 78.72% was used.

Relationship between mineralisation on widths and intercept lengths

- These relationships are particularly important in the reporting of Exploration Results.
- If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.
- If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').
- Mineralised structures are variable in orientation, and therefore drill orientations have been adjusted from place to place in order to allow intersection angles as close as possible to true widths.
- Exploration results have been reported as an interval with 'from' and 'to' stated in tables of significant economic intercepts.
 Tables clearly indicate that true widths will generally be narrower than those reported.
- Resource estimation, as reported later, was done in 3D space.



Criteria	JORC Code Explanation	Commentary
Diagrams	 Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views. 	See figures in main report.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	 Resources have been reported at a range of cut-off grades, above a minimum suitable for open pit mining, and above a minimum suitable for underground mining.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Extensive work in this area has been done, and is reported separately.
Further work	 The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	 The mineralisation is open at depth and along strike. Current estimates are restricted to those expected to be reasonable for open pit mining. Limited drilling below this depth (-300m RL) shows widths and grades potentially suitable for underground extraction. Exploration on going.



1.3 JORC TABLE 1 - SECTION 3 - ESTIMATION & REPORTING OF MINERAL RESOURCES

(Criteria in this section apply to all succeeding sections).

Criteria	JORC Code Explanation	Commentary
Database integrity	 Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes. Data validation procedures used. 	 The database is a Geobank data base system. Data is logged directly into an Excel spread sheet logging system with drop down field lists. Validation checks are written into the importing program ensures all data is of high quality. Digital assay data is obtained from the Laboratory, QAQC checked and imported. Geobank exported to Access, and connected directly to the Gemcom Surpac Software. Data was validated prior to resource estimation by the reporting of basic statistics for each of the grade fields, including examination of maximum values, and visual checks of drill traces and grades on sections and plans.
Site visits	 Comment on any site visits undertaken by the Competent Person and the outcome of those visits. If no site visits have been undertaken indicate why this is the case. 	 Andrew Vigar of Mining Associates visited site from 24 and 25 October 2014. The site visit included a field review of the exploration area, an inspection of core, sample cutting and logging procedures and discussions of geology and mineralisation with exploration geologists.
Geological interpretation	 Confidence in (or conversely, the uncertainty of the geological interpretation of the mineral deposit. Nature of the data used and of any assumptions made. The effect, if any, of alternative interpretations on Mineral Resource estimation. The use of geology in guiding and controlling Mineral Resource estimation. The factors affecting continuity both of grade and geology. 	 Mineralisation resulted in the formation of comprises quartz-chalcopyrite-pyrite-magnetite stockwork veins and minor breccias. The principle ore minerals of economic interest are chalcopyrite, bornite and gold, which occur primarily as infill within these veins. Gold is intergrown with chalcopyrite and bornite. The ore mineralised zones at Altan Tolgoi, Tsagaan Sudal and Zesen Uul are associated with a core of quartz veins that were intensely developed in and the quartz diorite intrusive stocks and/or dykes rocks. These vein arrays can be described as stockwork, but the veins have strong developed preferred orientations. Sulphide mineralisation is zoned from a bornite-rich core that zone outwards to



• Halo mineralisation defined as 0.12% Cu

and 0.12g/t Au Grade.



Criteria	JORC Code Explanation	Commentary
		 chalcopyrite-rich and then outer pyritic haloes, with gold closely associated with bornite. Drilling indicates that the supergene profile has been oxidised to depths up to 60 metres below the surface. The oxide zone comprises fracture controlled copper and iron oxides; however there is no obvious depletion or enrichment of gold in
		the oxide zone.
Dimensions	The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.	 Altan Tolgoi comprises two main mineralised zones, northern and southern stockwork zones (AT-N and AT-S) which are approximately 100 metres apart and hosted in diorite and quartz diorite porphyries.
		The AT-S is at least 550 metres long, 600 metres deep and contains strong quartz-chalcopyrite-pyrite stockwork veining and associated high grade copper-gold mineralisation. The stockwork zone widens eastward from a 20 to 70 metres wide high-grade zone in the western and central sections to a 200 metres wide medium-grade zone in the eastern most sections. Mineralisation remains open at depth and along strike to the east.
		 The AT-N consists of a broad halo of quartz that is 250 metres long, 150 metres wide long and at least 350 metres deep.
		 TS consists of a broad halo of quartz veins that is 850 metres long, 550 metres wide long and at least 500 metres deep, and forms a pipe like geometry. ZU forms a sub vertical body of stockwork approximately 350 x 100 metres by at least 200 metres and plunges to the
Estimation and	The nature and appropriateness of the	southeast.The estimate Estimation Performed using
modeling techniques	estimation technique(s) applied and key assumptions, including treatment of	Ordinary Kriging.
	extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used. • The availability of check estimates, previous estimates and/or mine.	 Variograms are reasonable along strike. Minimum & Maximum Informing samples is 5 and 20 (1st pass), Second pass is 3 and 20.
		Copper and Gold Interpreted separately on NS sections and estimated as
		separate domains. Halo mineralisation defined as 0.12% Cu

previous estimates and/or mine

production records and whether the

single pass ID2 interpolation was applied. Primary grade interpolation for the two metals was by ordinary kriging of capped 6m composites. A two-pass search



Criteria **JORC Code Explanation** Commentary Mineral Resource estimate takes The mineralised domains were manually appropriate account of such data. digitised on cross sections defining mineralisation. Three dimensional grade The assumptions made regarding shells (wireframes) for each of the metals recovery of by-products. to be estimated were created from the Estimation of deleterious elements or sectional interpretation. Construction of other non-grade variables of economic the grade shells took into account significance (eg sulphur for acid mine prominent lithological and structural drainage characterisation). features. For copper, grade shells were In the case of block model interpolation, constructed for each deposit at a cut-off the block size in relation to the average of 0.12% and 0.3% Cu. For gold. sample spacing and the search wireframes were constructed at a employed. threshold of 0.12g/t and 0.3 g/t. These grade shells took into account known Any assumptions behind modelling of gross geological controls in addition to selective mining units. broadly adhering to the above mentioned Any assumptions about correlation thresholds. between variables. Cut off grades applied are copper-Description of how the geological equivalent (CuEq) cut off values of 0.3% interpretation was used to control the for appropriate for a large bulk mining resource estimates. open pit and 0.5% for bulk block caving Discussion of basis for using or not using underground. grade cutting or capping. A set of plans and cross-sections that The process of validation, the checking displayed colour-coded drill holes were process used, the comparison of model plotted and inspected to ensure the data to drill hole data, and use of proper assignment of domains to drill reconciliation data if available. holes. The faulting interpreted to have had considerable movement, for this reason, the fault surface were used to define two separate structural domains for grade estimation. Six metre down-hole composites were chosen for statistical analysis and grade estimation of Cu and Au. Compositing was carried out downhole within the defined mineralisation halos. Composite files for individual domains were created by selecting those samples within domain wireframes, using a fix length and 50% minimum composite length. A total of 4428 measurements for specific gravity are recorded in the database, all of which were determined by the water immersion method. The average density of all samples is 2.74 t/m3. In detail there are some differences in density between different rock types, but since the model does not include geological domains a



Criteria	JORC Code Explanation	Commentary
		approach was used, whereby a cell failing to receive a grade estimate in a previous pass would be resubmitted in a subsequent and larger search pass.
		The Mineral Resource estimate meets the requirements of JORC 2012 and has been reported considering geological characteristics, grade and quantity, prospects for eventual economic extraction and location and extents. Mineral Resources are sub-divided, in order of increasing geological confidence, into Inferred, Indicated and Measured categories using relevant copperequivalent cut-off values;
		CuEq = Cu% x (Aug/t x 0.6378Formula is based on a \$2.60/lb copper
		price and a \$1,300/oz gold price.
Moisture	 Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content. 	All tonnages are reported on a dry basis.
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	 Cut off grades applied are copper- equivalent (CuEq) cut off values of 0.3% for possible open pit and 0.5% for underground.
Mining factors or assumptions	Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	 No mining factors have been applied to the in situ grade estimates for mining dilution or loss as a result of the grade control or mining process. The deposit is amenable to large scale bulk mining. The Mineral resource is reported above an optimised pit shell. (Lerch Grossman algorithm), mineralisation below the pit shell is reported at a higher cut-off to reflect the increased costs associated with block cave underground mining. 0.3 % CuEq cut-off constrained within an A\$4.00/lb Cu and \$1, 300/oz Au optimised pit shells.
Metallurgical factors or assumptions	The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an	No metallurgical factors have been applied to the in situ grade estimates.



Criteria	eria JORC Code Explanation Commentary	
	explanation of the basis of the metallurgical assumptions made.	
Environmental factors or assumptions	 Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made. 	 An environmental baseline study was completed in 2003 by Eco Trade Co. Ltd. of Mongolia in cooperation with Sustainability Pty Ltd of Australia. The baseline study report was produced to meet the requirements for screening under the Mongolian Environmental Impact Assessment (EIA) Procedures administered by the Mongolian Ministry for Nature and Environment (MNE).
Bulk density	 Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples. The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit. Discuss assumptions for bulk density estimates used in the evaluation process of the different materials. 	 A total of 4428 measurements for specific gravity are recorded in the database, all of which were determined by the water immersion method. The average density of all samples is approximately 2.74 t/m3. In detail there are some differences in density between different rock types, but since the model does not include geological domains a single estimation pass (ID2) was applied to a density attribute. There is no material impact on global tonnages, but it should be noted that density is a function of both lithology and alteration (where intense magnetite/sulphide is present).
Classification	 The basis for the classification of the Mineral Resources into varying confidence categories. Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data). Whether the result appropriately reflects the Competent Person's view of the deposit. 	 The mineral resource classification protocols, for drilling and sampling, sample preparation and analysis, geological logging, database construction, interpolation, and estimation parameters are described in the Main Report have been used to classify the 2015 resource. The Mineral Resource statement relates to global estimates of in-situ tonnes and grade The Mineral Resource estimate has been classified in accordance with the JORC 2012 Code using a qualitative approach. The classifications reflect the competent person's view of the Kharmagtai Copper Gold Project.



data analysis and geological interpretation of individual cross-sectior comparing drill-hole data with the resource estimate block model. Good correlation of geological and grad boundaries were observed. 2013 - Mining Associates Ltd. was engaged to conduct an Independent Technical Report to review drilling, sampling techniques, QAQC and previx resource estimates. Methods were four to conform to international best practice appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate. The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used. These statements of relative accuracy and the procedures used. These statements of relative accuracy and the procedures used. These statements of relative accuracy and the procedures used. These statements of relative accuracy and the procedures used.	Criteria	JORC Code Explanation	Commentary
relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate. • The statement should specify whether it relates to global or local estimates, and, local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used. • These statements of relative accuracy and confidence of the estimate should be compared with production data, where available relative accuracy and confidence level in the Mineral Resource deemed appropriate, a analysis. The level of accuracy and statistical analysis. The level of accuracy and is therefore reflected in the allocation of the measured, indicated and inferred resource categories were constrained geological understanding, data density and quality, and estimation parameters is expected that further work will extend this considerably. Resource sestimates have been made a global basis and relates to insitu grades. Confidence in the allocation of the measured, indicated and inferred resource categories. Resource categories. Resource categories were constrained geological understanding, data density and quality, and estimation parameters is expected that further work will extend this considerably. Resources estimates have been made a global basis and relates to insitu grades. Confidence in the allocation of the measured, indicated and inferred resource categories. Resource categories. Resource sestimates have been made a global basis and relates to insitu grades. Confidence in felected in the allocation of the measured, indicated and inferred resource sis expected that further work wi			 Mineral Resource Estimate consisted of data analysis and geological interpretation of individual cross-sections, comparing drill-hole data with the resource estimate block model. Good correlation of geological and grade boundaries were observed. 2013 - Mining Associates Ltd. was engaged to conduct an Independent
 There is surface evidence of historic artisanal workings. 	relative accuracy/	relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate. The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used. These statements of relative accuracy and confidence of the estimate should be compared with production data, where	 An approach to the resource classification was used which combined both confidence in geological continuity (domain wireframes) and statistical analysis. The level of accuracy and risk is therefore reflected in the allocation of the measured, indicated and inferred resource categories. Resource categories were constrained by geological understanding, data density and quality, and estimation parameters. It is expected that further work will extend this considerably. Resources estimates have been made on a global basis and relates to insitu grades. Confidence in the Indicated resource is sufficient to allow application of Modifying Factors within a technical and economic study. The confidence in Inferred Mineral Resources is not sufficient to allow the results of the application of technical and economic parameters The deposits are not currently being mined. There is surface evidence of historic



1.4 JORC TABLE 1 - SECTION 4 - ESTIMATION & REPORTING OF ORE RESERVES

Ore Reserves are not reported so this is not applicable to this report.

Rule 5.5

Appendix 5B

Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/2013

Name of entity

XANADU MINES LIMITED

ABN

92 114 249 026

Quarter ended ("current quarter")

31 March 2015

Consolidated statement of cash flows

Cash flows related to operating activities		Current quarter \$A'000	Year to date (3 months) \$A'000	
1.1	Receipts from product sales and related debtors	-	-	
1.2	Payments for (a) exploration & evaluation (b) development	(350)	(350)	
1.3	(c) production (d) administration Dividends received	(1,012)	(1,012)	
1.4	Interest and other items of a similar nature received	11	11	
1.5	Interest and other costs of finance paid	-	-	
1.6	Income taxes paid	-	-	
1.7	Other (provide details if material)	-	-	
	Net Operating Cash Flows	(1,351)	(1,351)	
	Cook flows valeted to investing activities			
1.8	Cash flows related to investing activities Payment for purchases of: (a) prospects	_	_	
1.0	(b) equity investments	_	_	
	(c) other fixed assets	-	-	
1.9	Proceeds from sale of: (a) prospects	-	-	
	(b) equity investments	-	-	
	(c) other fixed assets	-	-	
1.10	Loans to other entities	-	-	
1.11	Loans repaid by other entities	(020)	- (020)	
1.12	Other (provide details if material)	(838)	(838)	
	Net investing cash flows	(838)	(838)	
1.13	Total operating and investing cash flows (carried forward)	(2,189)	(2,189)	

⁺ See chapter 19 for defined terms.

Appendix 5B Mining exploration entity and oil and gas exploration entity quarterly report

1.22	Cash at end of quarter	6,366	6,366
1.21	Exchange rate adjustments to item 1.20	137	137
1.20	Cash at beginning of quarter/year to date	7,508	7,508
	Net increase (decrease) in cash held	(1,279)	(1,279)
	Net financing cash flows	910	910
1.19	Other (share issue costs)	-	-
1.18	Dividends paid	-	-
1.17	Repayment of borrowings	-	_
1.15	Proceeds from borrowings	-	-
1.15	etc. Proceeds from sale of forfeited shares		
1.14	Proceeds from issues of shares, options,	910	910
	Cash flows related to financing activities		
	(brought forward)	(2,189)	(2,189)
1.13	Total operating and investing cash flows		

Payments to directors of the entity, associates of the directors, related entities of the entity and associates of the related entities

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	440
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

Item 1.12 includes part payment of deferred consideration of \$838K for the acquisition of the Kharmagtai project in FY2014.

Item 1.23 includes payment of 2014 short term-incentive and in lieu of notice (plus statutory entitlements) to former Managing Director and Chief Executive Officer pursuant to Executive Services Contract (notice provisions are as described in Annual Report).

Noi	n-cash financing and investing activities
2.1	Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows
	N/A
2.2	Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest
	N/A

Appendix 5B Page 2 01/05/2013

⁺ See chapter 19 for defined terms.

Financing facilities available

Add notes as necessary for an understanding of the position.

		Amount available \$A'000	Amount used \$A'000
3.1	Loan facilities	\$5,202	\$3,251
3.2	Credit standby arrangements	-	-

Estimated cash outflows for next quarter

		\$A'000
4.1	Exploration and evaluation	1,785
4.2	Development	-
4.3	Production	-
4.4	Administration	871
	Total	2,656

Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.		Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank		6,366 7,508	
5.2	Deposits at call	-	
5.3	Bank overdraft	-	-
5.4	Other (provide details)	-	-
Total: cash at end of quarter (item 1.22)		6,366	7,508

⁺ See chapter 19 for defined terms.

Changes in interests in mining tenements and petroleum tenements

		Tenement reference and location	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1	Interests in mining tenements and petroleum tenements relinquished, reduced or lapsed				
6.2	Interests in mining tenements and petroleum tenements acquired or increased	MV17387A Kharmagtai Omnogovi Province Mongolia	Share subscription	61%	64%

Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

7.1	Preference *securities	Total number N/A	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.2	(description) Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy- backs, redemptions				
7.3	*Ordinary securities	371,978,226	371,978,226		
7.4	Changes during quarter (a) Increases through issues	i. 3,076,262 ordinary shares ii. 8,590,785	i. 3,076,262 ordinary shares iii. 8,590,785	i. nil iii. \$0.12	i. nil
	(b) Decreases through returns of capital, buy-	ordinary shares	ordinary shares	iii. \$0.12	iii. 1,030,894 iii. 665,746
	backs	ordinary shares	ordinary shares	\$3.1.2	555,5
7.5	*Convertible debt securities (description)	N/A			

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⁺ See chapter 19 for defined terms.

Appendix 5B Mining exploration entity and oil and gas exploration entity quarterly report

7.6	Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7	Options (description and conversion factor)	Options 1,000,000 1,000,000 1,000,000 15,000,000 20,000,000 Share Rights 1,250,000 3,600,000 1,000,000 1,000,000		Exercise price \$0.60 \$1.20 \$1.80 Nil subject to share price and tenure hurdles Nil subject to share price and tenure hurdles	Expiry date 31/12/2016 31/12/2016 31/12/2016 14/01/2019 14/01/2019 28/02/2016 21/05/2016 01/06/2017 18/09/2017
7.8	Issued during quarter				
7.9	Exercised during quarter	2,300,000 (Share Rights)	2,300,000 (issued and quoted as ordinary shares as described in 7.4 above)	Nil. Share Rights were issued for nil financial consideration after share price and tenure hurdles were achieved.	N/A. Shares issued upon vesting of Share Rights are fully paid ordinary shares.
7.10	Expired during quarter	Share Rights 1,700,000		N/A (Combination of share price and/or tenure conditions not met)	Expiry date 26/02/2016
7.11	Debentures (totals only)	N/A			
7.12	Unsecured notes (totals only)	N/A			

⁺ See chapter 19 for defined terms.

Compliance statement

- This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 5).
- 2 This statement does /does not* (delete one) give a true and fair view of the matters disclosed.

Sign here: Date: 30 April 2015

(Director/Company secretary)

Print name: Janine Rolfe

Notes

- The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements and petroleum tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement or petroleum tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- The definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report.
- Accounting Standards ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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⁺ See chapter 19 for defined terms.