31st October 2018

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QUARTERLY ACTIVITIES REPORT

FOR THE QUARTER ENDED 30 SEPTEMBER 2018

Xanadu Mines Ltd (**ASX: XAM, TSX: XAM**) (**"Xanadu"** or **"the Company"**) is pleased to provide shareholders with an update on exploration and associated activities undertaken during the September 2018 Quarter.

HIGHLIGHTS

Major increase in Kharmagtai open-cut resource to 1.9Mt Cu & 4.3Moz Au

- Major increase in Kharmagtai Open-Cut Mineral Resource Estimate to 598Mt containing 1.9Mt copper and 4.3Moz gold (2.6Mt copper equivalent metal) within the open cut
- Interim resource upgrade represents a 400% increase in contained copper and a 249% increase in contained gold within the open cut
- Shallow resource to support the accelerated Scoping Study on shallow, higher grade 'starter project' (due Q4, 2018)
- Shallow higher-grade core has a current of 54Mt @ 0.86% CuEq at a 0.6% CuEq cut off, some 61% of which is in the Indicated category (by tonnage)
- Strong potential for further growth from:
  - recently completed extension drilling at White Hill pit
  - conversion of current inferred mineral resources to indicated category
  - inclusion of additional mineralisation at newly discovered Zaraa porphyry (not factored into this resource upgrade); and
  - discovery of additional mineralisation in open areas at Zephyr and Sandstorm
- The Kharmagtai Scoping Study/Preliminary Economic Assessment (PEA) remains on track for completion in Q4 2018.

Corporate activities

- Xanadu achieves dual-listed status by listing on the Toronto Stock Exchange (TSX)
- Well-funded with cash balance of $7.8 million at 30 September 2018.

EXPLORATION ACTIVITIES

Commenting on the quarter's activities, Xanadu's Managing Director & Chief Executive Officer, Dr Andrew Stewart, said:

"Following the very significant discovery of the fourth porphyry centre at Zaraa, we believe the Kharmagtai project is approaching a near-term development opportunity and it's now time to take the project to the next stage. Our number one objective at Kharmagtai is to fast-track resource drilling designed to significantly upgrade the Kharmagtai Mineral Resource estimate and to complete a Scoping Study on a very low strip ratio, higher-grade open pit 'starter' project contained within a larger resource."

"Xanadu's exploration has been very efficient, driven by a high-quality geological model and understanding of the deposits. We are extremely delighted with the new results, particularly with the substantial increase in the open-pit shallow resource base at Kharmagtai. With a 400% increase in contained copper, we are confident that the upcoming PEA will show a financially robust open-pit starter project that will pave the way for Kharmagtai to develop into another high-quality Mongolian mining operation.

"Xanadu has entered an exciting period of cost-effective discovery and growth. Since acquiring the Kharmagtai project, we have been able to discover copper at a cost of less than 1c a pound, which is well below the global average of 4-7c per pound. We are now in the privileged position of controlling a large exploration district with outstanding potential. I'm highly optimistic we will continue to grow the resource base at Kharmagtai where the existing resources remain open both along strike and at depth. With the discovery of Zaraa and mineralisation intersected down to 1,200 vertical metres and still open, the opportunity for a very large-scale system is great.

"The addition of Zaraa to the global resource base in early 2019 should have a positive impact on the overall scale and grade. We are now thinking about how big the mineral endowment could be at Kharmagtai and what future production it could sustain."

"We are very pleased to be listed on the TSX now, as well as the ASX, as it will allow the company to develop a broader awareness of our significant porphyry copper-gold discovery in Mongolia's South Gobi on two of the best resource exchanges globally. The listing constitutes an important milestone for Xanadu, providing a local trading platform for existing and new Canadian shareholders and investors."

KHARMAGTAI COPPER-GOLD PROJECT

The Kharmagtai copper-gold project is located within the South Gobi porphyry copper province of Mongolia, approximately 440km south-southwest of Ulaanbaatar and 120km north of Rio Tinto's Oyu Tolgoi copper-gold mine (Figure 1).

A dual strategy has been initiated:

- Deliver a significant resource upgrade, with an initial focus on a higher-grade open pit starter project to demonstrate project viability; and
- Continue to expand the scale of the project through exploration at the new Zaraa discovery and on other prioritised exploration targets within the broader Kharmagtai tenements.

Exploration activities during the September 2018 quarter focused on infill and resource definition drilling designed to significantly increase the JORC 2012-compliant Mineral Resource Estimate announced in March 2015 to support the development of an open-pit starter project at Kharmagtai (Figure 1).

A total of 10 diamond drill holes (2,946.2m) and 17 reverse circulation drill holes (5,288.8m) were completed on resource definition drilling during the quarter. A single diamond drill hole (537.7m) was drilled at Zaraa, targeting the shallow surface expression. All significant drill hole intersections from assay results received during the quarter are summarised in Tables 1 and 2.

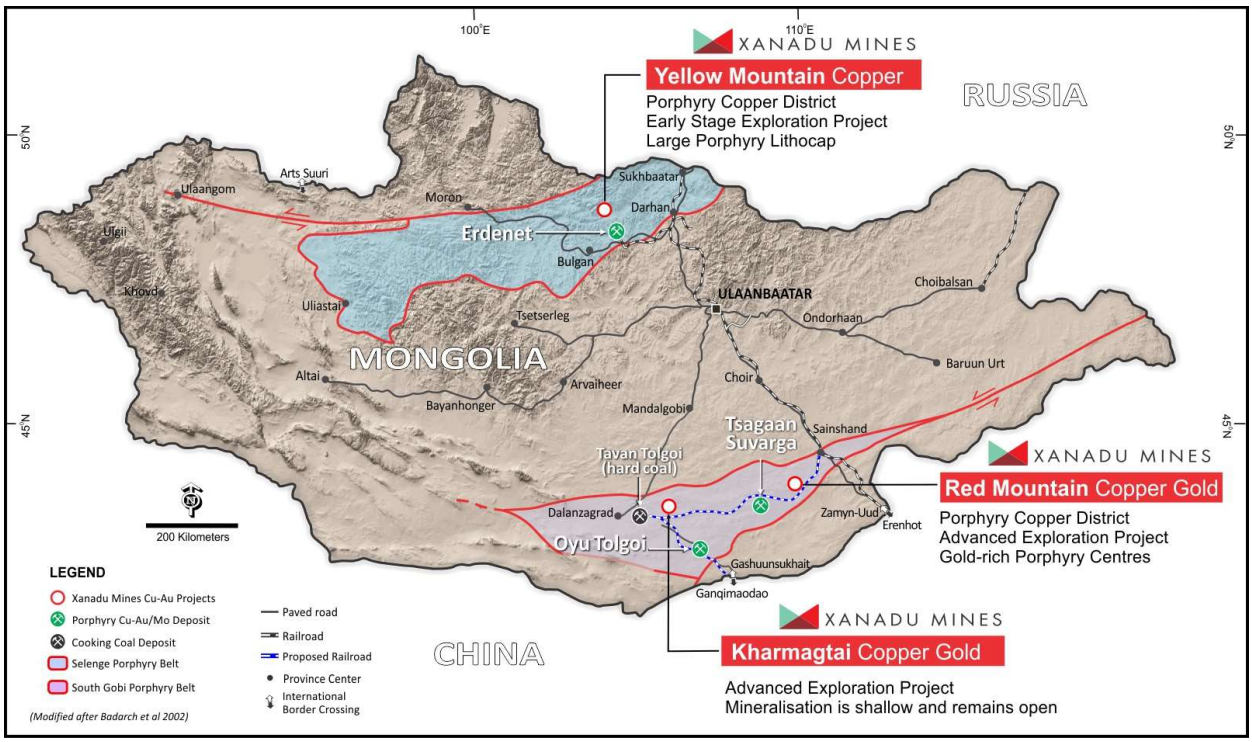

FIGURE 1: Location of the Kharmagtai Project in the South Gobi porphyry copper belt.

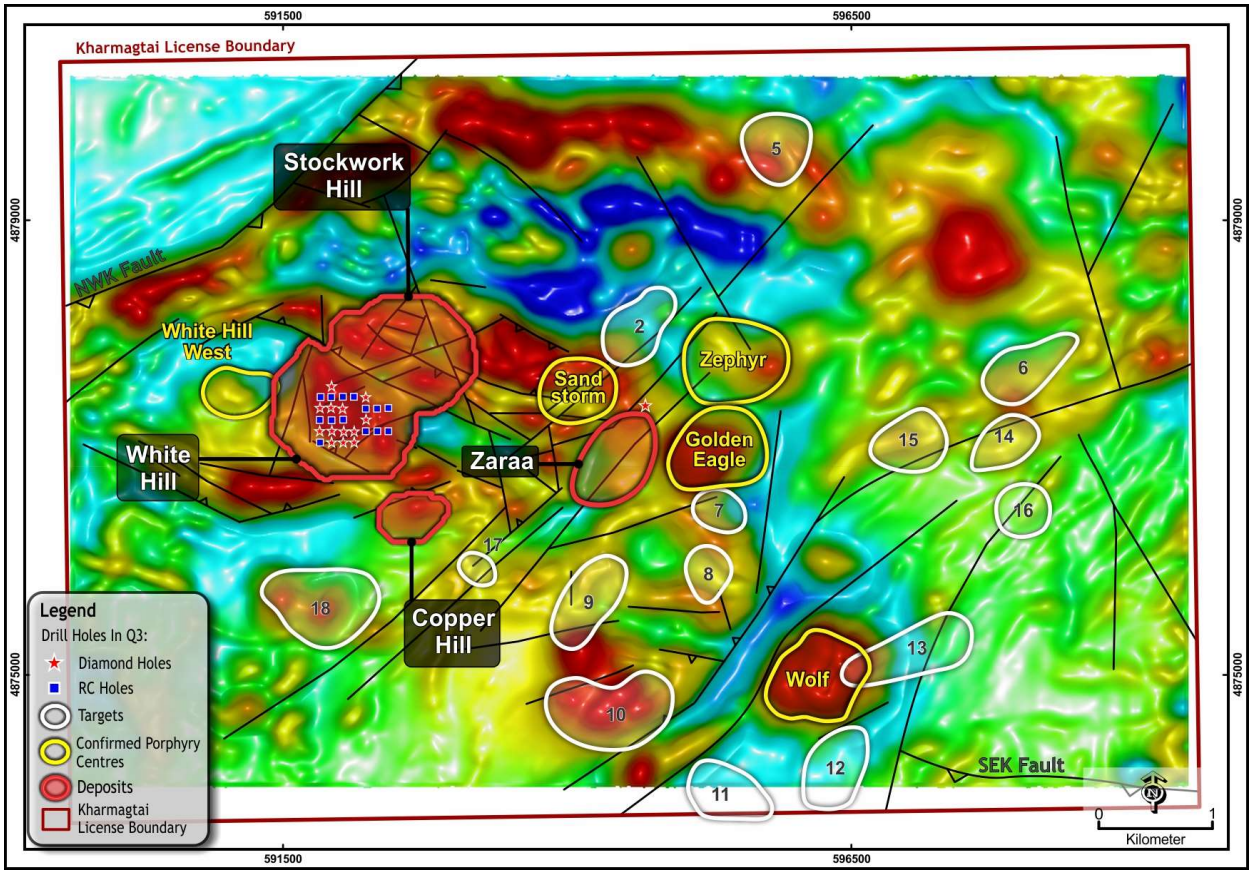

FIGURE 2: The Kharmagtai District showing ground magnetic data and location of the Kharmagtai Deposits (Stockwork Hill, White Hill, Copper Hill), porphyry centres, targets, location of drilling during Q3.

KHARMAGTAI RESOURCE DRILLING

Xanadu's focus is to maximise the development potential of the Kharmagtai deposit in the shortest possible time frame.

A detailed infill and resource definition drilling program over the three main deposits (Copper Hill, White Hill and Stockwork Hill; Figure 2) was completed at Kharmagtai during the quarter. Selective infill drilling comprised RC holes (100 metre by 100 metre spacing) over an approximate 150,000 square metres defining the orebodies from surface to depths of approximately 300m.

This updated resource estimation is being generated to form the framework for the preliminary economic assessment "Scoping Study" on the high-grade starter project at Kharmagtai which is slated for finalisation during November.

The overarching goal is to demonstrate the project economics via a starter operation followed by a larger global resource update to underpin a larger-scale operation at Kharmagtai. This global resource estimate is expected to be completed in early 2019 and will add extensions to White Hill and a maiden resource estimate for Zaraa to the Kharmagtai resource base.

This strategy is being run in parallel with exploration for additional large-scale porphyry deposits within the Kharmagtai Lease.

Expanding Zaraa

A single diamond drill hole (KHDDH478) was drilled at Zaraa for 537.7m aimed at identifying the shallow expression of the Zaraa deposit. This drill hole entered porphyry b-veining at a depth of 38m from surface. Although this mineralisation was only weak to moderate in grade, it has helped inform the developing geological model of Zaraa. Drill intercepts from KHDDH478 can be found in Table 1.

The forward plan for Zaraa now includes a maiden mineral resource estimation to be completed during early 2019. This will allow the Zaraa mineralisation to be added to the global resource base and allow options for mining Zaraa to be explored in conjunction with the existing resources at Kharmagtai.

Approximately 4,500m of diamond drilling is planned for Zaraa in the December 2018 Quarter to provide sufficient sample spacing for this resource to be estimated (Figure 3).

To go from the discovery to a maiden mineral resource estimate in under nine months at Zaraa not only validates the exploration methodology being used by Xanadu but also highlights the speed at which projects can be advanced in Mongolia.

Additional shallow stockwork targets

Numerous additional shallow drill targets exist across the Kharmagtai lease. These targets will be advanced during the December 2018 Quarter with mapping and drilling. The aim of these activities is discovering additional porphyry centres to be added to the growing global resource base at Kharmagtai (Figure 4).

The primary exploration criteria for finding a copper-gold porphyry is identifying copper and gold indicators. Each of the known deposits at Kharmagtai has a large halo of 0.1% eCu surrounding it that can be used to vector towards the higher-grade core. This lower grade halo has been encountered in five to six locations across the covered portions of tenement, but insufficient drilling has been conducted to test these as yet (Figure 4, panel 1).

The secondary exploration criteria for porphyries at Kharmagtai is the host intrusive (P1-2), a distinctive diorite intrusive that is interpreted to be syn-mineral. This P1-2 unit has been encountered at all the above locations of 0.1% eCu halo (Figure 4, panel 2).

Another exploration criteria for porphyries at Kharmagtai is short-wave infrared mineralogy that defines specific clay minerals developed during porphyry formation. These minerals form in the cores and fluid outflow paths of porphyry deposits and have been encountered at all the above targets (Figure 4, panel 3).

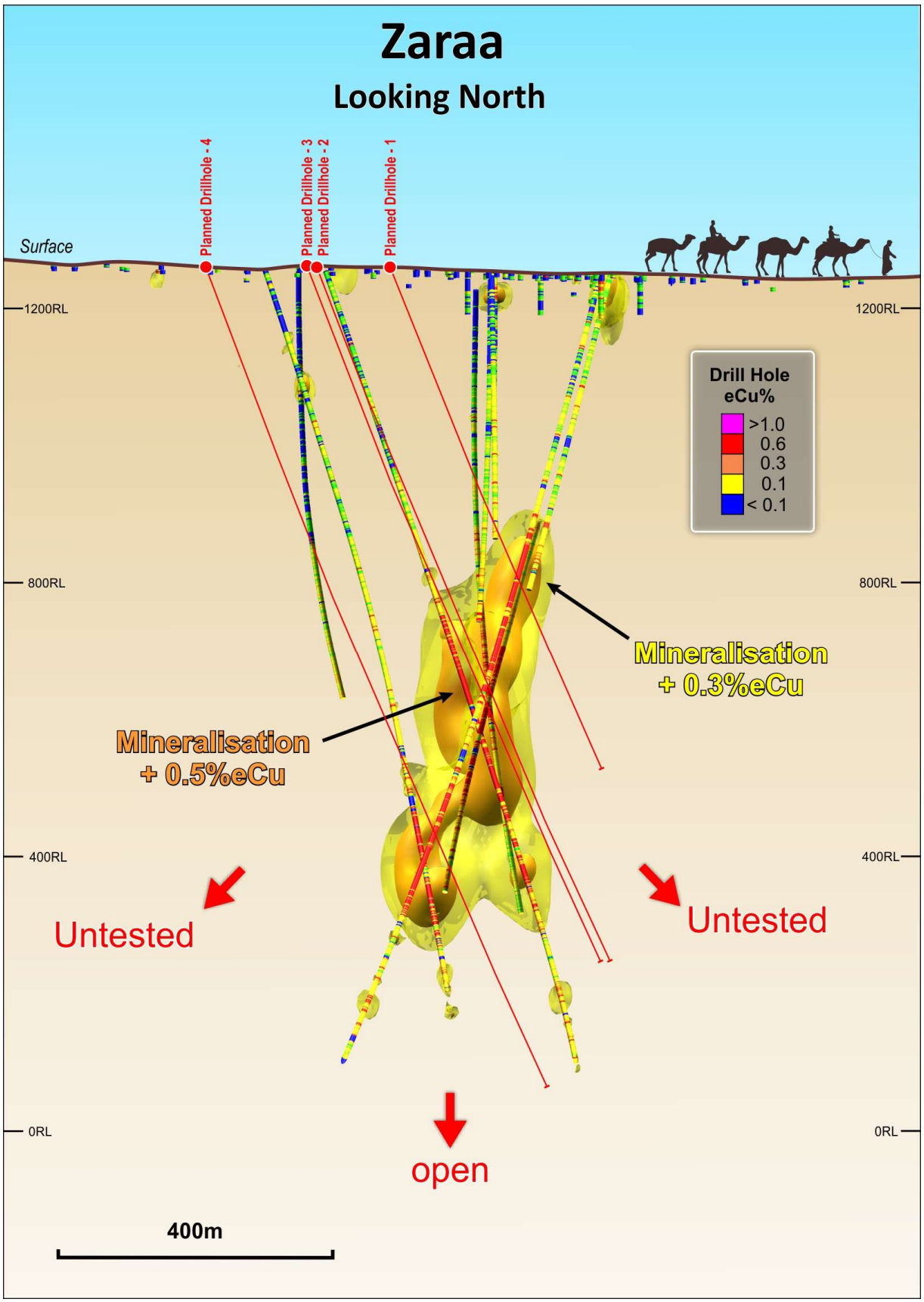

FIGURE 3: Schematic cross section through Zaraa showing planned drilling.

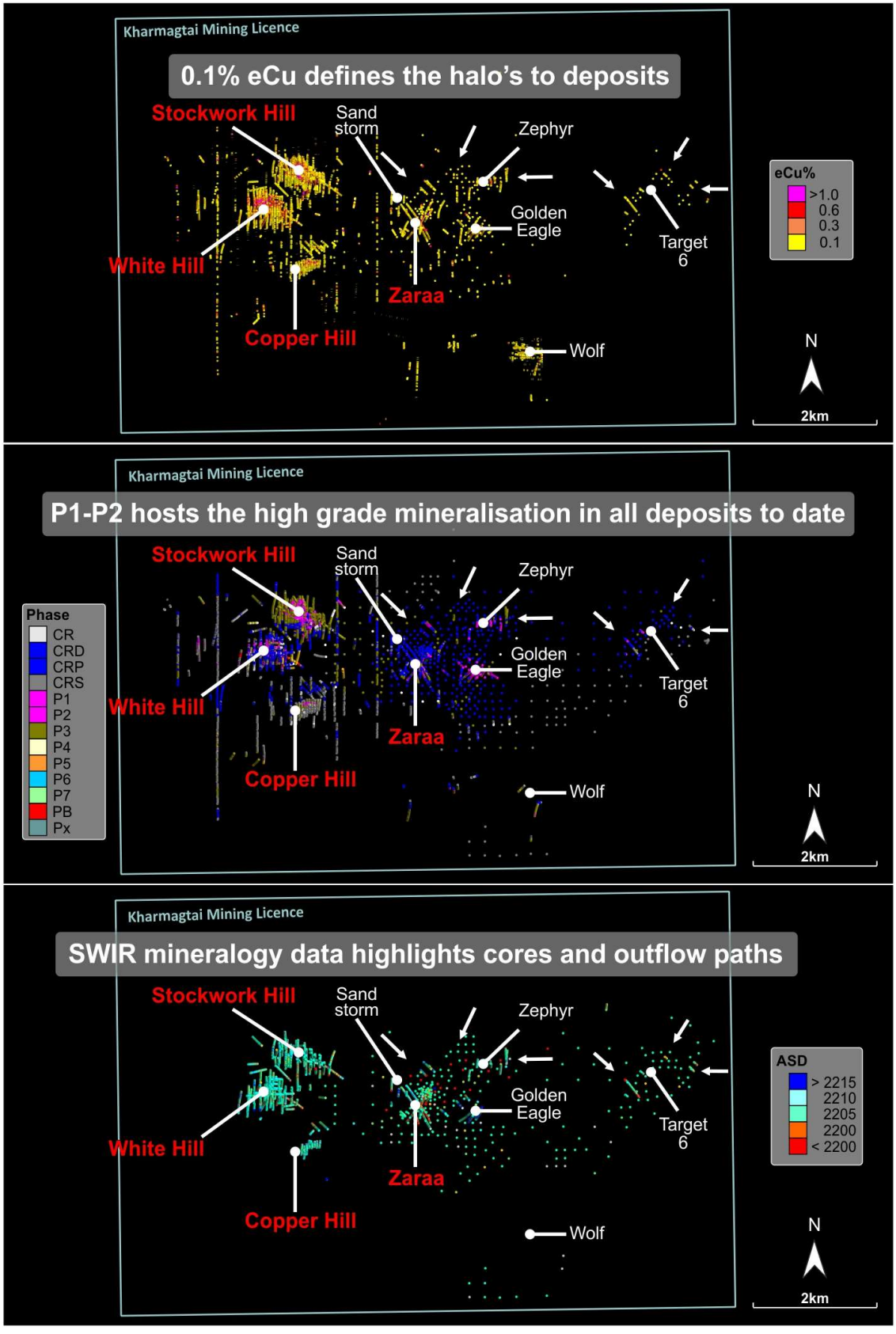

FIGURE 4: Exploration targeting criteria across the Kharmagtai lease points to numerous additional shallow porphyry's under shallow cover.

MINERAL RESOURCE ESTIMATE

This Mineral Resource Estimate is the first Resource estimate completed since the maiden Resource announced in March 2015 (ASX release dated 19th March 2015). The upgraded interim Mineral Resource Estimate is summarised in Table 1. The Mineral Resources are quoted above 0.3% CuEq cut-off within a conceptual constraining open pit shell. The parameters used to generate an optimised ultimate open pit shell are provided in Table 2.

The resource models are well understood and there is massive upside potential to be realised by better understanding the economics of the deposit. As demonstrated in the images below, significant volumes of mineralisation have been modelled that fall outside of the constraining pit wireframe. These parts of the model will be targeted for further investigation through economic studies to assess if more of this material can be brought into the Mineral Resource.

Table 1: Interim Kharmagtai 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 JORC 2012.*
- *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.*

This Mineral Resource update incorporates the results from all drill programs completed since 2015 including the latest infill drilling program which was completed in the September 2018 Quarter and totalled approximately 8,725m in 27 drill holes. The primary aim of the drilling program was to infill the deposit within the conceptual pit to focus on converting the Inferred Mineral Resource to the Indicated category.

The completed JORC (2012) Resource demonstrates that the mineralisation is robust and continuous with over 22% of the Resource classified in the Indicated Mineral Resource category. The substantial increase in the revised Resource combined with higher confidence from the recent Resource drilling is expected to positively impact the life of mine at Kharmagtai. Table 3 provides a summary of the Resource model at various cut off grades.

Xanadu is now focused on the completion of the Scoping Study which is expected in the December 2018 Quarter and will reflect the Company's strategy of delivering a significant Resource upgrade, with an initial focus on a higher-grade open pit starter project to demonstrate project economics. The optimal marginal cut-off for Resources is under review as part of the Scoping Study with consideration of a cut-off of approximately 0.6% CuEq.

Table 2: Constraining Pit Parameters

Parameters	Units	Value
1. Mining		
Ore mining cost	$/t	2.49
Waste mining cost	$/t	2.49
Mining losses	%	0
Mining dilution	%	5
2. Processing		
Processing cost (including G&A costs)	g/t	4.2
Processing recovery:		
Gold	%	70
Copper	%	85
3. Pricing		
Elements price:		
Gold	$/oz	1,320
Copper	$/t	6,834
Selling cost for Au	$/oz	4
Selling cost for Cu	$/t	1,030
4. Other to optimization		
SG parameters	t/m^3	2.75
General pit slopes	°	50

Table 3: Grade-tonnage table summary

Cut-Off	Mining	Resource	Material	CuEq	Cu (%)	Au (g/t)	Cu (kt)	Au (Koz)	CuEq
0.2	*OC*	*Indicated*	187.6	0.45	0.31	0.29	572.5	1737.0	848.8
0.2	*OC*	*Inferred*	854.5	0.34	0.26	0.15	2205.6	4228.6	2878.2
0.2	**Total**	**Ind + Inf**	**1042.1**	**0.36**	**0.27**	**0.18**	**2778.1**	**5965.6**	**3727.0**
0.3	*OC*	*Indicated*	129.3	0.54	0.36	0.36	468.0	1478.9	703.2
0.3	*OC*	*Inferred*	468.9	0.41	0.31	0.19	1468.2	2831.7	1918.6
0.3	**Total**	**Ind + Inf**	**598.2**	**0.44**	**0.32**	**0.22**	**1936.2**	**4310.6**	**2621.8**
0.4	*OC*	*Indicated*	80.0	0.67	0.43	0.46	346.0	1172.7	532.5
0.4	*OC*	*Inferred*	189.9	0.50	0.38	0.24	718.5	1479.1	953.7
0.4	*UG*	*Indicated*	2.3	0.59	0.40	0.37	9.1	27.1	13.4
0.4	*UG*	*Inferred*	28.4	0.51	0.38	0.26	106.6	232.9	143.7
0.4	**Total**	**Ind + Inf**	**300.5**	**0.55**	**0.39**	**0.30**	**1180.2**	**2911.9**	**1643.4**
0.5	*OC*	*Indicated*	49.4	0.80	0.51	0.57	251.1	912.2	396.2
0.5	*OC*	*Inferred*	68.2	0.60	0.44	0.33	297.3	723.4	412.4
0.5	*UG*	*Indicated*	1.5	0.67	0.45	0.44	6.6	20.6	9.9
0.5	*UG*	*Inferred*	8.3	0.63	0.44	0.37	36.7	98.4	52.4
0.5	**Total**	**Ind + Inf**	**127.4**	**0.68**	**0.46**	**0.43**	**591.7**	**1754.6**	**870.8**
0.6	*OC*	*Indicated*	33.0	0.93	0.57	0.69	189.6	736.1	306.7
0.6	*OC*	*Inferred*	20.7	0.75	0.50	0.49	103.8	323.9	155.3
0.6	*UG*	*Indicated*	0.9	0.75	0.49	0.50	4.5	14.9	6.9
0.6	*UG*	*Inferred*	3.9	0.74	0.49	0.49	19.1	60.8	28.7
0.6	**Total**	**Ind + Inf**	**58.6**	**0.85**	**0.54**	**0.60**	**317.0**	**1135.7**	**497.6**

GEOLOGY AND GEOLOGICAL INTERPRETATION

New geological understanding of intrusive units and structures controlling mineralisation at Kharmagtai has driven the formation of a high-quality 3D geological model. This 3D geological model was used to define hard boundaries around which the mineral resource estimate could be built, resulting in a more realistic and accurate estimation. The

3D model was based on a complete relogging of the +110km of diamond drilling conducted within the Mineral Resource volume over the past 30 years. This relogging has standardised the geology across the deposits and many phases of drilling/previous loggers, allowing a high-quality 3D model to be generated. This model not only forms a robust framework for the mineral resource update but allows predictions as to extensions to the deposits to be identified and drilled.

3D geological wireframes were developed for all major geological formations of the deposits, including country rock, all porphyry phases, andesite dykes and breccia pipes. The base of oxidation surface was developed based on geological logging and used to domain the deposits. In addition, three wireframe solid models were developed for the level of veining: <0.5%, 0.5 to 1.5% and >1.5% of veining for each deposit. All geological domains were sub-domained using the wireframes for veining and divided into oxidised and fresh material.

The additional drilling since the last Mineral Resource and other exploration and evaluation programs such as - relogging of historic core, geophysical review and geochemistry studies have delivered superior understanding of the deposit geometry. This has led to greater confidence in the geological and grade continuity and has infilled several areas of the deposit. These programs have collectively allowed us to deliver a more robust and larger Mineral Resource.

DRILLING TECHNIQUES

The Mineral Resources have been estimated using all available analytical data. This has included diamond core drilling (NQ, PQ and HQ, reverse circulation percussion drilling and in some areas channel samples taken at surface. Additional data on Drilling and sampling procedures is Provided in Table 1.

Significant drilling has taken place since the last Resource in 2015, which has driven the increase in resources. The drilling pre-2015 and since the last resource is provided in the collar plan and Table 4.

Table 4. Drill hole summary

Timing	Reverse Circulation	Metres	Diamond Core	Metres	RC and Diamond	Metres	Trenches	Metres
Drilling <2015	155	24553	252	88511.1	0	0	106	39774
Drilling >2015+	68	13107	116	57876.7	22	5323.1	17	5618
Total	223	37660	368	146387.8	22	5323.1	123	45392

ESTIMATION METHODOLOGY

A block model was created to encompass the full extent of the Kharmagtai deposits (White Hill, Copper Hill and Stockwork Hill - other exploration areas were excluded). The block model used a parent cell size of 20 m(E) x 20 m(N) x 20 m(RL) with sub-celling to 4 m(E) x 4 m(N) x 4 m(RL) to maintain the resolution of the wireframed geological domains and rock types.

An empty block model was created within the closed wireframe models for the geological domains, rock types, barren dykes, level of veining (stockwork) and breccia. The model was also coded according to the oxide zones. Each modelled geological domain was assigned several unique codes in the model file (geology, veining and breccia). The block model was then restricted below the topography surface.

Copper and gold grade values were interpolated into the empty block models separately for each modelled geological domain of the deposits using the Ordinary Kriging method. The Ordinary Kriging process was performed at different search radii until all cells were interpolated. The search radii were determined for each domain based on the parameters of the modelled semi-variogram ranges averaged for each direction for copper and gold. The blocks were interpolated using only assay composites restricted by the corresponding domain for each deposit. When

model cells were estimated using radii not exceeding the full semi-variogram ranges, a restriction of at least three samples from at least two drill holes or trenches was applied to increase the reliability of the estimates.

CRITERIA USED FOR CLASSIFICATION

The classification level was based upon an assessment of geological understanding, geological continuity, mineralization continuity, drillhole spacing, QC results, search and interpolation parameters and an analysis of available density information.

The following approach was adopted:

- Measured Resources: Not reported.
- Indicated Resources: Were classified where the drill density did not exceed 65 m x 65 m with at least two mineralisation intersections on a drilled cross section. Geological and structural continuity have been interpreted with moderate confidence levels and blocks were interpolated at least the second run.
- Inferred Resources: Inferred Mineral Resources was assigned to all model blocks lying outside the Indicated wireframes, which still display reasonable strike continuity and down dip extension, based on the current drill hole and trench intersections.

CUT-OFF GRADES

The Mineral Resources have been reported above a cut-off of 0.3% CuEq for open pit mining and above 0.5% CuEq for potential underground mining areas and are current to 1 October 2018.

Copper equivalent grade values were calculated in the block model post estimation of copper and gold grades. The following formula was applied to each cell in the block model:

CuEq = Cu + Au * 0.62097 * 0.8235,

Where:

Cu - copper grade (%)

Au - gold grade (g/t)

0.62097 - conversion factor (gold to copper)

0.8235 - relative recovery of gold to copper (82.35%)

The copper equivalent formula was based on the following parameters (prices are in USD):

Cu price - 3.1 $/lb (or 6834 $/t)

Au price - 1320 $/oz

Cu recovery - 85%

Au recovery - 70%

Relative recovery of gold to copper = 70% / 85% = 82.35%.

MINING AND METALLURGICAL METHODS AND PARAMETERS

The project has undergone several phases of preliminary metallurgical test work. The most recent flotation test work was completed by Resources Engineering & Management in 2016. The tested material was described as deeper, tourmaline breccia from drill hole KHDD371. A composite was produced from the drill core interval assay rejects provided, with a measured grade of 4.71% Cu and 2.10 g/t Au. The sample was then the subject of standard laboratory grinding and flotation tests carried out at nominal grind sizes of p80 125µm, 150µm and 180µm.

The sample produced from the material provided responded very well to simple flotation testing with low collector dosage. The reported copper recovery varied from 95.3 to 93.6% depending on the grind size, and between 93.4 to 95.5% for gold.

Earlier work completed in 2008 by the previous owners tested samples more closely aligned with the grades expected for the life of mine, and are likely more representative of the deposit overall. These samples achieved recoveries between 80% and 90 % for copper and 70% for gold. The following recoveries were used for the conceptual pit optimisation study and for the copper equivalent formula – 70% recovery for gold and 85% recovery for copper, which are well supported by the results of the metallurgical testwork.

The next phase of test work that has commenced will aim to optimise recoveries of copper and gold into concentrate as well as investigate more value can be added from other minerals such as silver, bismuth or molybdenum can be extracted.

NEXT STEPS

This interim resource update is specifically designed to support a small-scale high-grade open pit Scoping Study for the existing resources at Kharmagtai. The focus once this work is completed will be to add the new discoveries (Zaraa and White Hill West) to the global resource base and explore the many opportunities identified by the interim resource update.

Xanadu's near-term brownfields exploration strategy will focus on:

1. Zaraa Resource Drilling

2. Golden Eagle - Oxide gold

At Zaraa the focus will be on developing a maiden Mineral Resource estimate to add to the global Kharmagtai Mineral Resource base. This maiden Resource estimate will provide the platform from which potential mining scenarios can be explored.

At Golden Eagle the focus will be on defining a potential shallow oxide gold project where a cost-effective leach operation may have strong synergies with a starter project on the existing resources. Initial metallurgical work is being scoped, and planning is being conducted around closer spaced shallow drilling to define a potential maiden oxide gold Resource at Golden Eagle. This oxide gold opportunity at Golden Eagle may synergise well with the oxide gold caps on the three existing Resources to provide a moderate to large scale, low-cost oxide gold leach opportunity early in the development pipeline at Kharmagtai.

ZARAA – CRACKING THE CODE FOR ADDITIONAL EXPLORATION SUCCESSES

Given the early drilling success at Zaraa, Xanadu is confident that it has cracked the geological code for additional exploration successes in the Kharmagtai area in 2019 and beyond.

This latest discovery at Zaraa validates our exploration model for the geological features controlling the high-grade copper-gold mineralization in the district. This model reflects the accumulation of in-depth, new geological insights gained by Xanadu's exploration team during nearly two decades of exploring in the region.

Furthermore, numerous high priority brownfield exploration targets close to existing resources have been identified from an extensive review of historical drill results and will be tested in the near future.

The exploration potential of Zaraa is being assessed simultaneously with the development plan for White Hill, Stockwork Hill and Copper Hill. For example, one option is to develop an underground drive from the bottom of the Kharmagtai open pit directly to the high-grade core at Zaraa containing > 2% CuEq material.

Xanadu's aggressive 2018 exploration drilling program, which was targeting the discovery of additional porphyry copper-gold centres under cover in the large underexplored Kharmagtai porphyry district, has proven to be highly successful with the discovery of the blind Zaraa porphyry copper-gold centre.

With five recent drill holes featuring close to 1km of continuous copper-gold mineralisation, the discovery of Zaraa supports the definition of a fourth large-scale porphyry deposit located only 2km east-southeast of the currently defined resources.

The objective now is to demonstrate that this large-scale porphyry has both open pit and underground potential.

The Company looks forward to providing further regular updates on its ongoing active development campaign.

RED MOUNTAIN COPPER-GOLD PROJECT

The Red Mountain copper-gold project is located within the South Gobi porphyry copper province of Mongolia, approximately 420km south-southwest of Ulaanbaatar (Figure 1) and approximately 100km northeast of the Cu-Mo porphyry Tsagaan Survarga (1.3Mt of copper), in which the European Bank for Research and Development (EBRD) has already invested US$745mil.

Red Mountain is geologically located in a large and underexplored porphyry district (covering approximately 40km²) and contains multiple mineralisation styles, including (Figure 5):

- Multiple co-genetic porphyry copper-gold centres
- Mineralised tourmaline breccia pipes
- Copper-gold + base metal magnetite skarns and
- Epithermal gold veins

Red Mountain's immense potential to contain multiple metalliferous deposits of various styles has lead Xanadu to receive interest from global miners. Xanadu is currently evaluating Red Mountain and is considering next steps with respect to the project.

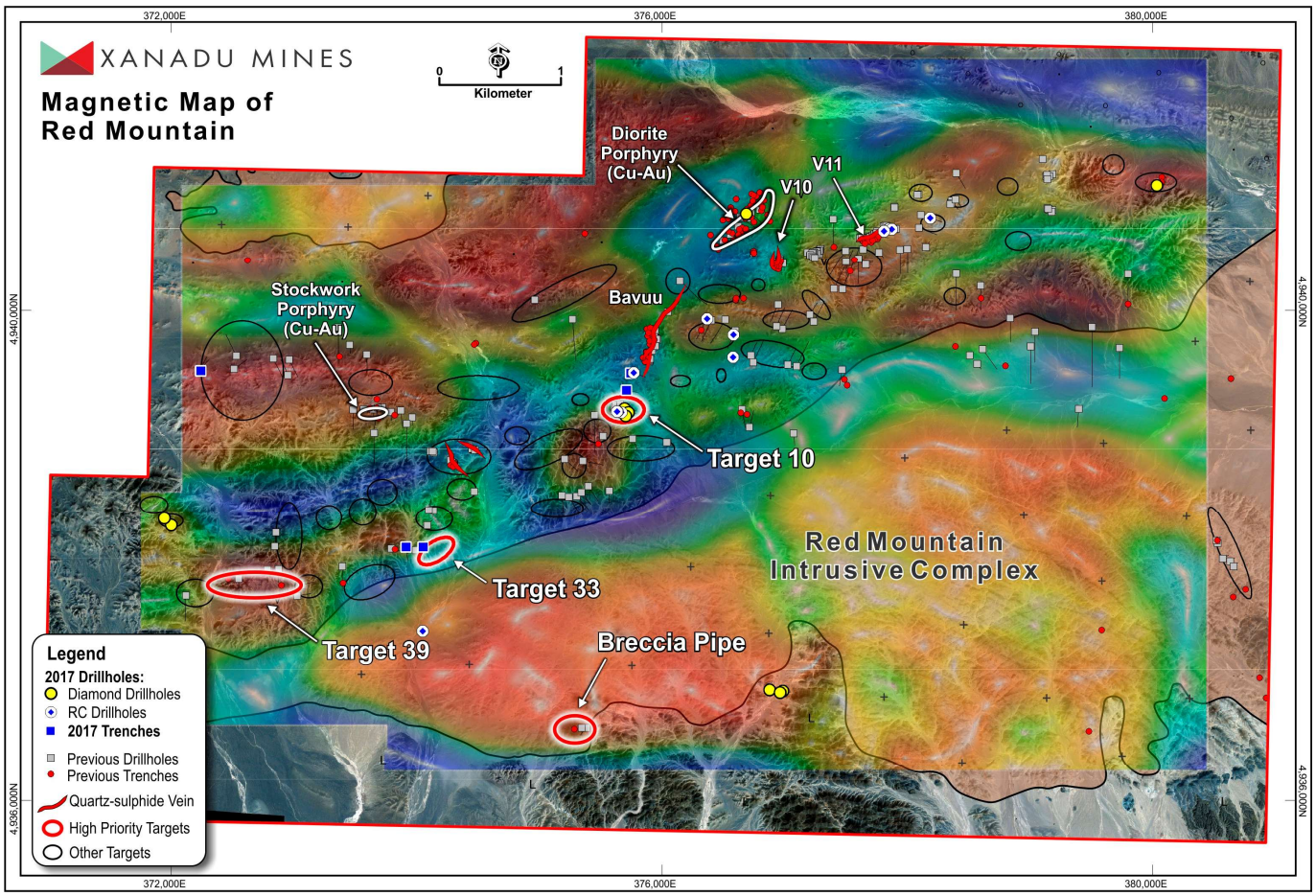

FIGURE 5: Red Mountain license showing location of previously drilled holes and location of known porphyry deposits and targets.

CORPORATE ACTIVITIES

Xanadu Ordinary shares commenced trading on the Toronto Stock Exchange (the TSX) under the symbol "XAM" at the open of trade on 18 October 2018. The final non-offering long form prospectus of the Company, being the principal listing document, is available on the Company's website at www.xanadumines.com as well as on the Company's SEDAR profile accessible at www.sedar.com.

Share Capital

As at 30 September 2018, the Company had 648,044,131 fully paid shares, 20,000,000 performance rights, 29,411,759 unlisted options and 35,000,000 options issued pursuant to the restructure of the Red Mountain acquisition terms.

Financial Position

As at 30 September 2018, the Company had A$7.8 million cash.

For further information please visit www.xanadumines.com or contact:

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COMPETENT PERSON STATEMENT

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 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. 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 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.

COPPER EQUIVALENT CALCULATIONS

The copper equivalent (CuEq) calculation for drill intercepts represents the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. Grades have not been adjusted for metallurgical or refining recoveries and the copper equivalent grades are of an exploration nature only and intended for summarising grade. The copper equivalent calculation is intended as an indicative value only. The following copper equivalent conversion factors and long-term price assumptions have been adopted: Copper Equivalent Formula (CuEq) = Cu% + (Au (ppm) x 0.6378). Based on a copper price of $2.60/lb and a gold price of $1,300/oz.

FORWARD-LOOKING STATEMENTS

Certain statements contained in this press release, including information as to the future financial or operating performance of Xanadu and its projects may also include statements which are 'forward-looking statements' that may include, amongst other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions. These 'forward–looking statements' are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Xanadu, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies and involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

Xanadu disclaims any intent or obligation to update publicly or release any revisions to any forward-looking statements, whether as a result of new information, future events, circumstances or results or otherwise after today's date or to reflect the occurrence of unanticipated events, other than required by the Corporations Act and ASX and TSX Listing Rules. The words 'believe', 'expect', 'anticipate', 'indicate', 'contemplate', 'target', 'plan', 'intends', 'continue', 'budget', 'estimate', 'may', 'will', 'schedule' and similar expressions identify forward-looking statements.

All forward-looking statements made in this press release are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein.

Table 1: Kharmagtai drill hole details from the second quarter

Hole ID	Prospect	East	North	RL	Azimuth (°)	Inc (°)	Depth (m)
KHDDH470	White Hill	591795	4877101	1308	0	-60	300.9
KHDDH471	White Hill	591799	4877305	1302	0	-60	300.6
KHDDH472	White Hill	591901	4877102	1307	0	-60	500.0
KHDDH473	White Hill	591894	4877307	1304	0	-60	300.6
KHDDH474	White Hill	591900	4877496	1299	0	-60	250.1
KHDDH475	White Hill	592006	4877098	1306	0	-60	401.9
KHDDH476	White Hill	591997	4877298	1310	0	-60	333.6
KHDDH477	White Hill	592100	4877097	1305	0	-60	438.8
KHDDH478	Zaraa	594660	4877324	1270	210	-63	537.7
KHDDH479	White Hill	592202	4877203	1302	0	-60	408.7
KHDDH480	White Hill	592200	4877398	1301	0	-60	211.0
KHRC326	White Hill	591798	4877001	1307	0	-60	298.0
KHRC327	White Hill	591795	4877199	1306	0	-60	301.0
KHRC328	White Hill	591804	4877401	1302	0	-60	241.0
KHRC329	White Hill	591900	4877001	1307	0	-60	550.0
KHRC330	White Hill	591899	4877198	1307	0	-60	301.0
KHRC331	White Hill	591897	4877402	1301	0	-60	219.0
KHRC332	White Hill	592001	4877001	1305	0	-60	549.8
KHRC333	White Hill	592001	4877203	1305	0	-60	271.0
KHRC334	White Hill	591999	4877403	1303	0	-60	301.0
KHRC335	White Hill	592100	4877001	1304	0	-60	541.0
KHRC336	White Hill	592096	4877402	1302	0	-60	253.0
KHRC337	White Hill	592200	4877099	1302	0	-60	301.0
KHRC338	White Hill	592201	4877299	1304	0	-60	253.0
KHRC339	White Hill	592302	4877099	1300	0	-60	301.0
KHRC340	White Hill	592398	4877099	1300	0	-60	244.0
KHRC341	White Hill	592300	4877300	1299	0	-60	213.0
KHRC342	White Hill	592400	4877304	1296	0	-60	151.0

Table 2: Kharmagtai significant drill results from the second quarter

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	CuEq (%)	AuEq (g/t)
KHDDH470	White Hill	1	300.9	299.9	0.16	0.25	0.35	0.55
including		34	244	210	0.17	0.28	0.39	0.61
including		74	86	12	0.28	0.49	0.67	1.04
including		254	260.1	6.1	0.16	0.21	0.31	0.49
including		270.1	299.5	29.4	0.17	0.23	0.34	0.53
KHDDH471	White Hill	3	246.1	243.1	0.18	0.27	0.38	0.59
including		3	84	81	0.21	0.28	0.41	0.65

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	CuEq (%)	AuEq (g/t)
including		98	246.1	148.1	0.17	0.26	0.37	0.58
and		290	300.6	10.6	0.10	0.16	0.23	0.36
KHDDH472	White Hill	15	418	403	0.15	0.21	0.31	0.48
including		46	104	58	0.17	0.29	0.39	0.61
including		66	78	12	0.22	0.34	0.48	0.75
including		116	128	12	0.26	0.21	0.37	0.59
including		170	306	136	0.19	0.25	0.37	0.57
including		316	328	12	0.17	0.14	0.25	0.39
including		347	363	16	0.30	0.15	0.35	0.54
including		381	416	35	0.15	0.26	0.36	0.56
and		428	500	72	0.11	0.15	0.22	0.34
KHDDH473	White Hill	0	300.6	300.6	0.20	0.22	0.35	0.55
including		12	223.5	211.5	0.24	0.27	0.42	0.66
including		108	116	8	0.40	0.41	0.67	1.04
including		134	169	35	0.53	0.33	0.66	1.04
KHDDH474	White Hill	1	250.1	249.1	0.08	0.18	0.23	0.36
including		3	15	12	0.11	0.26	0.33	0.51
including		50	64	14	0.07	0.19	0.24	0.37
including		80	114	34	0.11	0.23	0.30	0.47
including		135	141	6	0.20	0.36	0.48	0.76
KHDDH475	White Hill	0	401.9	401.9	0.24	0.27	0.42	0.67
including		8	26	18	0.10	0.21	0.27	0.43
including		54	60	6	0.08	0.28	0.33	0.51
including		98	104	6	0.13	0.26	0.35	0.54
including		118	349	231	0.34	0.33	0.55	0.86
including		205	294	89	0.46	0.43	0.72	1.13
including		243	258.2	15.2	0.61	0.52	0.91	1.42
including		304	331	27	0.66	0.39	0.82	1.28
including		306	321	15	0.71	0.45	0.90	1.42
including		359	401.9	42.9	0.19	0.27	0.39	0.62
KHDDH476	White Hill	0	333.6	333.6	0.17	0.23	0.34	0.53
including		6	114.3	108.3	0.23	0.26	0.41	0.64
including		47	74.6	27.6	0.34	0.30	0.51	0.81
including		147	153	6	0.22	0.36	0.50	0.79
including		223	333.6	110.6	0.20	0.31	0.44	0.68
including		246	280	34	0.27	0.39	0.56	0.88
KHDDH477	White Hill	0	438.8	438.8	0.21	0.26	0.40	0.62
including		120	170	50	0.14	0.23	0.32	0.51
including		188	438.8	250.8	0.31	0.33	0.53	0.82
including		245	253	8	0.31	0.36	0.56	0.87
including		263.2	276	12.8	0.48	0.36	0.66	1.04

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	CuEq (%)	AuEq (g/t)
including		310	361.9	51.9	0.62	0.54	0.93	1.46
including		340	360	20	0.96	0.72	1.33	2.08
KHDDH478	Zaraa	30	48	18	0.10	0.04	0.11	0.17
and		62	78	16	0.84	0.18	0.71	1.11
including		62	76	14	0.93	0.19	0.79	1.24
and		90	112.1	22.1	0.34	0.07	0.28	0.45
and		125	288.8	163.8	0.11	0.10	0.17	0.27
including		239	258.5	19.5	0.14	0.15	0.24	0.38
and		306.9	537.7	230.8	0.13	0.13	0.21	0.34
including		428	440	12	0.26	0.29	0.45	0.71
including		478	507.2	29.2	0.25	0.23	0.38	0.60
including		494	506	12	0.26	0.23	0.39	0.61
KHDDH479	White Hill	0	408.7	408.7	0.19	0.23	0.35	0.55
including		60	88	28	0.14	0.20	0.29	0.46
including		113.7	408.7	295	0.22	0.26	0.41	0.64
including		225	234.8	9.8	0.77	0.21	0.70	1.10
including		298	305.8	7.8	0.33	0.43	0.65	1.01
including		346	354	8	0.30	0.35	0.54	0.84
KHDDH480	White Hill	0	211	211	0.19	0.25	0.37	0.58
including		6	103	97	0.33	0.36	0.57	0.89
including		6	31	25	0.38	0.46	0.70	1.10
including		46	75	29	0.40	0.39	0.65	1.02
including		86.6	96.8	10.2	0.33	0.31	0.53	0.82
KHRC326	White Hill	37	298	261	0.07	0.16	0.21	0.33
including		51	87	36	0.07	0.22	0.27	0.43
including		117	127	10	0.07	0.15	0.20	0.31
including		231	245	14	0.15	0.23	0.33	0.52
including		261	271	10	0.15	0.25	0.34	0.54
including		287	297	10	0.17	0.27	0.38	0.59
KHRC327	White Hill	5	297	292	0.15	0.24	0.34	0.53
including		5	57	52	0.14	0.26	0.35	0.55
including		71	147	76	0.16	0.26	0.37	0.58
including		157	199	42	0.16	0.26	0.37	0.58
including		209	287	78	0.19	0.27	0.40	0.62
KHRC328	White Hill	2	126	124	0.16	0.24	0.34	0.54
including		2	18	16	0.21	0.28	0.42	0.65
including		28	126	98	0.15	0.25	0.35	0.54
including		108	116	8	0.22	0.34	0.48	0.75
and		220	241	21	0.09	0.16	0.22	0.35
KHRC329	White Hill	0	542	542	0.10	0.20	0.26	0.40
including		106	152	46	0.12	0.23	0.31	0.48

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	CuEq (%)	AuEq (g/t)
including		284	428	144	0.15	0.29	0.39	0.61
including		445	458	13	0.13	0.27	0.35	0.54
including		523.3	542	18.7	0.09	0.27	0.33	0.51
KHRC330	White Hill	0	301	301	0.15	0.22	0.31	0.49
including		46	208	162	0.20	0.29	0.42	0.66
including		146	160	14	0.29	0.36	0.55	0.86
KHRC331	White Hill	0	219	219	0.19	0.29	0.41	0.64
including		0	218	218	0.19	0.29	0.41	0.64
including		48	62	14	0.50	0.39	0.71	1.12
including		78	96	18	0.24	0.43	0.58	0.91
KHRC332	White Hill	6	549.8	543.8	0.16	0.22	0.32	0.50
including		132	230	98	0.16	0.25	0.35	0.55
including		240	250	10	0.15	0.20	0.30	0.47
including		260	374	114	0.26	0.27	0.43	0.68
including		349.5	362	12.5	0.65	0.24	0.66	1.03
including		384	521	137	0.16	0.24	0.34	0.54
including		533	545.9	12.9	0.15	0.26	0.36	0.56
KHRC333	White Hill	0	271	271	0.20	0.21	0.34	0.53
including		8	16	8	0.11	0.18	0.24	0.38
including		52	76	24	0.13	0.20	0.29	0.45
including		88	212	124	0.20	0.22	0.34	0.54
including		222	271	49	0.38	0.28	0.52	0.82
including		238	266	28	0.43	0.30	0.57	0.90
KHRC334	White Hill	0	301	301	0.19	0.24	0.36	0.56
including		2	8	6	0.13	0.20	0.29	0.45
including		18	148	130	0.28	0.26	0.43	0.68
including		48	56	8	0.49	0.37	0.68	1.07
including		162	170	8	0.10	0.22	0.28	0.44
including		184	286	102	0.14	0.25	0.35	0.54
KHRC335	White Hill	0	541	541	0.14	0.23	0.31	0.49
including		138	156	18	0.19	0.32	0.44	0.69
including		178	190	12	0.14	0.22	0.31	0.49
including		206	337.4	131.4	0.17	0.27	0.38	0.59
including		378	541	163	0.17	0.31	0.42	0.66
including		423	438.3	15.3	0.33	0.52	0.73	1.15
KHRC336	White Hill	0	252	252	0.17	0.25	0.36	0.56
including		0	132	132	0.22	0.30	0.44	0.69
including		18	34	16	0.32	0.42	0.62	0.98
including		56	62	6	0.36	0.50	0.73	1.14
including		84	90	6	0.58	0.39	0.76	1.19
including		146	188	42	0.17	0.32	0.43	0.67

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	CuEq (%)	AuEq (g/t)
including		166	172	6	0.27	0.41	0.58	0.91
KHRC337	White Hill	0	301	301	0.20	0.22	0.35	0.55
including		36	54	18	0.16	0.17	0.27	0.43
including		68	94	26	0.20	0.29	0.42	0.66
including		110	298	188	0.24	0.25	0.41	0.64
including		206	214	8	0.28	0.43	0.60	0.95
including		238	248	10	0.76	0.29	0.77	1.21
KHRC338	White Hill	0	253	253	0.25	0.31	0.47	0.74
including		2	50	48	0.15	0.23	0.33	0.51
including		60	253	193	0.28	0.34	0.52	0.82
including		94	134	40	0.40	0.58	0.83	1.30
including		120	130	10	0.49	0.69	1.00	1.57
including		150	166	16	0.71	0.31	0.76	1.20
including		214	224	10	0.38	0.49	0.74	1.16
KHRC339	White Hill	6	301	295	0.24	0.28	0.43	0.67
including		14	84	70	0.28	0.26	0.44	0.69
including		50	56	6	0.62	0.32	0.72	1.13
including		66	74	8	0.48	0.32	0.62	0.97
including		94	124	30	0.18	0.23	0.35	0.55
including		134	301	167	0.26	0.31	0.47	0.74
including		172	220	48	0.37	0.39	0.63	0.98
KHRC340	White Hill	0	50	50	0.16	0.26	0.36	0.57
including		8	30	22	0.26	0.39	0.56	0.88
and		64	72	8	0.10	0.18	0.25	0.39
KHRC341	White Hill	0	213	213	0.10	0.17	0.24	0.38
including		24	76	52	0.15	0.22	0.31	0.48
including		86	112	26	0.19	0.31	0.43	0.68
including		190	196	6	0.18	0.18	0.29	0.45
KHRC342	White Hill	2	126	124	0.07	0.17	0.21	0.33
including		10	38	28	0.11	0.26	0.33	0.51
and		140	150	10	0.04	0.14	0.16	0.26

Table 3: Tenements held as at 30 September 2018

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

Tenement No.	Tenement Name	Location	Change in % Interest	% Interest as at 30 September
MV17387A1	Kharmagtai	Umnugovi Province	-	76.5%*
MV017129	Red Mountain	Dornogovi Province	-	90%

13670x	Yellow Mountain	Bulgan Province	-	100%

[1.] The K*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 85% as at 30 September 2018 (an effective 76.5% interest in the Kharmagtai project).

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 Xanadu. This Table 1 updates the JORC Table 1 disclosure dated 31 July 2018.

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to 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.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• The resource estimate is based on diamond drill core samples, RC chip samples and channel samples from surface trenches. • Representative ½ core samples were split from PQ, HQ & NQ diameter diamond drill core on site using rock saws, on a routine 2m sample interval that also honours lithological/intrusive contacts. • The orientation of the cut line is controlled using the core orientation line ensuring uniformity of core splitting wherever the core has been successfully oriented. • Sample intervals are defined and subsequently checked by geologists, and sample tags are attached (stapled) to the plastic core trays for every sample interval. • RC chip samples are ¼ splits from one meter intervals using a 75%:25% riffle splitter to obtain a +3kg sample • RC samples are uniform 2m samples formed from the combination of two ¼ split 1m samples.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• The Mineral Resource estimation has been based upon diamond drilling of PQ, HQ and NQ diameters with both standard and triple tube core recovery configurations, RC drilling and surface trenching with channel sampling. • All drill core drilled by Xanadu has been oriented using the "Reflex Ace" tool.
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.*	• Diamond drill core recoveries were assessed using the standard industry (best) practice which involves: removing the core from core trays; reassembling multiple core runs in a v-rail; measuring core lengths with a tape measure, assessing recovery against core block depth measurements

Criteria	JORC Code explanation	Commentary
	• *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.*	and recording any measured core loss for each core run. • Diamond core recoveries average 97% through mineralization. • Overall, core quality is good, with minimal core loss. Where there is localized faulting and or fracturing core recoveries decrease, however, this is a very small percentage of the mineralized intersections. • RC recoveries are measured using whole weight of each 1m intercept measured before splitting • Analysis of recovery results vs grade shows no significant trends that might indicate sampling bias introduced by variable recovery in fault/fracture zones.
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.*	• All drill core is geologically logged by well-trained geologists using a modified "Anaconda-style" logging system methodology. The Anaconda method of logging and mapping is specifically designed for porphyry Cu-Au mineral systems and is entirely appropriate to support Mineral Resource Estimation, mining and metallurgical studies. • Logging of lithology, alteration and mineralogy is intrinsically qualitative in nature. However, the logging is subsequently supported by 4 Acid ICP-MS (48 element) geochemistry and SWIR spectral mineralogy (facilitating semi-quantitative/calculated mineralogical, lithological and alteration classification) which is integrated with the logging to improve cross section interpretation and 3D geological model development. • Drill core is also systematically logged for both geotechnical features and geological structures. Where drill core has been successfully oriented, the orientation of structures and geotechnical features are also routinely measured. • Both wet and dry core photos are taken after core has been logged and marked-up but before drill core has been cut.
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*	• All drill core samples are ½ core splits from either PQ, HQ or NQ diameter cores. A routine 2m sample interval is used, but this is varied locally to honour lithological/intrusive contacts. The minimum allowed sample length is 30cm. • Core is appropriately split (onsite) using diamond core saws with the cut line routinely located relative to the core orientation line (where present) to provide consistency of sample split selection. • The diamond saws are regularly flushed with water to minimize potential

Criteria	JORC Code explanation	Commentary
	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.*	contamination. • A field duplicate ¼ core sample is collected every 30th sample to ensure the "representivity of the in situ material collected". The performance of these field duplicates are routinely analysed as part of Xanadu's sample QC process. • Routine sample preparation and analyses of DDH samples were carried out by ALS Mongolia LLC (ALS 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 75% passing 2mm, split to 1kg, pulverised to 85% passing 200 mesh (75 microns) and split to 150g sample pulp. • ALS Mongolia Geochemistry labs quality management system is certified to ISO 9001:2008. • The sample support (sub-sample mass and comminution) is appropriate for the grainsize and Cu-Au distribution of the porphyry Cu-Au mineralization and associated host rocks.
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 ALS Mongolia for gold • Au is determined using a 25g 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. • All samples were also submitted to ALS Mongolia for the 48 element package ME-ICP61 using a four acid digest (considered to be an effective total digest for the elements relevant to the MRE). Where copper is over-range (>1% Cu), it is analysed by a second analytical technique (Cu-OG62), which has a higher upper detection limit (UDL) of 5% copper. • Quality assurance has been managed by insertion of appropriate Standards (1:30 samples – suitable Ore Research Pty Ltd certified standards), Blanks (1:30 samples), Duplicates (1:30 samples – ¼ core duplicate) by XAM. • 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 QC procedures, as well as coarse and pulp blanks, and certified matrix matched copper-gold standards. • QC monitoring is an active and ongoing processes on batch by batch basis by which unacceptable results are re-assayed as soon as practicable.

Criteria	JORC Code explanation	Commentary
		• Prior to 2014: 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) at SGS Mongolia. Samples were 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 was over-range (>1% Cu), it was analysed by a second analytical technique (AAS22S), which has a higher upper detection limit (UDL) of 5% copper. Gold analysis method was essentially unchanged.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• All assay data QAQC is checked prior to loading into XAM's Geobank data base. • The data is managed by XAM geologists. • The data base and geological interpretation is managed by XAM. • Check assays are submitted to an umpire lab (SGS Mongolia) for duplicate analysis. • No twinned drill holes exist. • There have been no adjustments to any of the 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 other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Diamond drill holes have been surveyed with a differential global positioning system (DGPS) to within 10cm accuracy. • The grid system used for the project is UTM WGS-84 Zone 48N • Historically, Eastman Kodak and Flexit electronic multi-shot downhole survey tools have been used at Kharmagtai to collect down hole azimuth and inclination information for the majority of the diamond drill holes. Single shots were typically taken every 30m to 50m during the drilling process, and a multi-shot survey with readings every 3-5m are conducted at the completion of the drill hole. As these tools rely on the earth's magnetic field to measure azimuth, there is some localised interference/inaccuracy introduced by the presence of magnetite in some parts of the Kharmagtai mineral system. The extent of this interference cannot be quantified on a reading-by-reading basis. • More recently (since September 2017), a north-seeking gyro has been employed by the drilling crews on site (rented and operated by the drilling contractor), providing accurate downhole orientation measurements unaffected by magnetic effects. Xanadu have a permanent calibration station

Criteria	JORC Code explanation	Commentary
		setup for the gyro tool, which is routinely calibrated every 2 weeks (calibration records are maintained and were sighted) • The project DTM is based on 1 m contours from satellite imagery with an accuracy of ±0.1 m.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• Holes spacings range from <50m spacings within the core of mineralization to +500m spacings for exploration drilling. Hole spacings can be determined using the sections and drill plans provided. • Holes range from vertical to an inclination of -60 degrees depending on the attitude of the target and the drilling method. • The data spacing and distribution is sufficient to establish anomalism and targeting for porphyry Cu-Au, tourmaline breccia and epithermal target types. • Holes have been drilled to a maximum of 1,300m vertical depth. • The data spacing and distribution is sufficient to establish geological and grade continuity, and to support the Mineral Resource classification.
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 is conducted in a predominantly regular grid to allow unbiased interpretation and targeting. • Scissor drilling, as well as some vertical and oblique drilling, has been used in key mineralised zones to achieve unbiased sampling of interpreted structures and mineralised zones, and in particular to assist in constraining the geometry of the mineralised hydrothermal tourmaline-sulphide breccia domains.
Sample security	• *The measures taken to ensure sample security.*	• Samples are delivered from the drill rig to the core shed twice daily and are never left unattended at the rig. • Samples are dispatched from site in locked boxes transported on XAM company vehicles to ALS lab in Ulaanbaatar. • Sample shipment receipt is signed off at the Laboratory with additional email confirmation of receipt. • 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 are undertaken on a regular basis, to ensure industry best practice is employed at all times. • External reviews and audits 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

Criteria	JORC Code explanation	Commentary
		concluded that sampling and data record was to an appropriate standard. • 2013: Mining Associates Ltd. was engaged to conduct an Independent Technical Report to review drilling, sampling techniques and QAQC. Methods were found to conform to international best practice. • 2018: CSA Global reviewed the entire drilling, logging, sampling, sample shipping and laboratory processes during the competent persons site visit for the 2018 MRe, and found the systems and adherence to protocols to be to an appropriate standard.

1.2 JORC TABLE 1 - SECTION 2 - REPORTING OF EXPLORATION RESULTS

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 licence to operate in the area.*	• The Project comprises 1 Mining Licence (MV-17387A). • The Kharmagtai mining license MV-17387A is 100% owned by Oyut Ulaan LLC. THR Oyu Tolgoi Ltd (a wholly owned subsidiary of Turquoise Hill Resources Ltd) ("THR") owns 90% of Oyut Ulaan LLC. The remaining 10% is owned by Quincunx Ltd ("Quincunx"). • 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.*	• Detailed exploration was conducted by Quincunx Ltd, Ivanhoe Mines Ltd and Turquoise Hill Resources Ltd including extensive surface mapping, trenching, diamond drilling, surface geochemistry and geophysics.
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 prospects at Kharmagtai are atypical in that they are associated with intermediate intrusions of diorite to quartz diorite composition; however the deposits are significant in terms of gold:copper ratio, and similar to other

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td></td><td></td><td>gold-rich porphyry deposits.</td></tr>
<tr><td>Drill hole Information</td><td>• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:
○ easting and northing of the drill hole collar
○ elevation or RL (Reduced Level – 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.</td><td>• Diamond holes,RC holes and trenches are the principal source of geological and grade data for the Project.
<table><tr><th>Timing</th><th>RC Holes</th><th>Metre</th><th>DDH Holes</th><th>Metre</th><th>RC & DDH</th><th>Metre</th><th>Trench</th><th>Metre</th></tr><tr><td>Drilling <2015</td><td>155</td><td>24553</td><td>252</td><td>88511</td><td>0</td><td>0</td><td>106</td><td>39774</td></tr><tr><td>Drilling >2015</td><td>68</td><td>13107</td><td>116</td><td>57876</td><td>22</td><td>5323</td><td>17</td><td>5618</td></tr><tr><td>Total</td><td>223</td><td>37660</td><td>368</td><td>146387</td><td>22</td><td>5323</td><td>123</td><td>45392</td></tr></table>• See figures in main report.</td></tr>
<tr><td>Data aggregation methods</td><td>• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.
• Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.
• The assumptions used for any reporting of metal equivalent values should be clearly stated.</td><td>• Weighted averages have not been used in this work
• Some compositing has been used in this resource but with statistically relevant techniques that do not include internal dilution
• The following metal equivalent calculations were used:
CuEq = Cu% + (Au g/t x 0.51139)
Formula is based on a $3.1/lb copper price and a $1,320/oz gold price. A relative gold to copper recovery factor of 82.35% was used (85% copper recovery and 70% gold recovery), gold to copper conversion factor of 0.62097 was applied. All prices are in USD.</td></tr>
<tr><td>Relationship between mineralisation widths and intercept lengths</td><td>• 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’).</td><td>• 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.</td></tr>
<tr><td>Diagrams</td><td>• 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</td><td>• See figures in main report.</td></tr>
</table>

Criteria	JORC Code explanation	Commentary
	of drill hole collar locations and appropriate sectional views.	
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. See the company website for significant announcements and milestones. Work that has been done includes; relogging of core, structural studies, alteration studies, geotechnical studies and preliminary metallurgical test works. The project has been subject to various geophysical studies including aeromagnetic , radiometric surveys and electromagnetic surveys over discrete targets.
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 is on-going.

1.3 JORC TABLE 1 – SECTION 3 ESTIMATION AND REPORTING OF MINERAL RESOURCES

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 managed using Micromine Geobank software. 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, QA/QC checked and imported. Geobank exported to CSV TEXT and imported directly to the Micromine software used for the MRE. • The combined database was provided for the MRE. • Validation of the data import include checks for the following: • Duplicate drillhole or trench names, • One or more drillhole collar or trench coordinates missing in the collar file, • FROM or TO missing or absent in the assay file, • FROM > TO in the assay file,

		• Sample intervals overlap in the assay file, • First sample is not equal to 0 m in the assay file, • First depth is not equal to 0 m in the survey file, • Several downhole survey records exist for the same depth, • Azimuth is not between 0 and 360° in the survey file, • Dip is not between 0 and 90° in the survey file, • Azimuth or dip is missing in survey file, • Total depth of the holes is less than the depth of the last sample, • Total length of trenches is less than the total length of all samples. • Negative sample grades. • No logical errors were identified in the analytical data.
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.*	• Warren Potma, an employee of CSA Global, visited the Kharmagtai project, located in Mongolia, over 4 days from 18th to 22nd September 2018. • The site visit was required for the purposes of inspection, ground truthing, review of activities, and collection of information and data.
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.*	• Geological data has been collected in a consistent manner that has allowed the development of geological models to support the Mineral Resource estimate. Copper and gold mineralisation is controlled by porphyry phases, oxidation zone, level of veining, breccia, country rocks and barren dykes. Full geological models of all major geological formations were developed for each deposit, and the block models were domained accordingly. Domaining of the deposit mineralisation was based on the current understanding of the deposits' geology. All major geological formations were wireframed by Xanadu geologists using Leapfrog software, including porphyry phases, country rocks, barren dyke, base of oxidation surface and breccia bodies. All geological formations were domained by the level of development of stockwork - <0.5% veining, 0.5-1.5% veining and >1.5% veining. All provided wireframe models were imported into Micromine software and validated by CSA Global. • Geological interpretation and wireframing were based on sampling results of drillholes and trenches, which were logged at 2 m intervals (average). • No alternative interpretations were adopted. • Lithological logging was mainly used to interpret and to wireframe the geological formations. Geological logging of veining was used to wireframe the stockwork and breccia domains.

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: The strike length of the mineralised zone is about 1,200 m. Width is up to 800 m, no plunging, traced down dip to 1,030 m. Mineralisation is outcropped at the surface. • Tsagaan Sudal: The strike length of the mineralised zone is about 1,200 m. Width is up to 730 m, no plunging, traced down dip to 1,080 m. Mineralisation is outcropped at the surface. • Zesen Uul: The strike length of the mineralised zone is about 630 m. Width is up to 150 m with apparent plunging to SW at about 40 degrees. traced down dip to 420 m dipping 70 degrees to SE. Mineralisation is outcropped at the surface.
Estimation and modelling techniques	• *The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of 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 production records and whether the Mineral Resource estimate takes appropriate account of such data.* • *The assumptions made regarding recovery of by-products.* • *Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).* • *In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.* • *Any assumptions behind modelling of selective mining units.* • *Any assumptions about correlation between variables.* • *Description of how the geological interpretation was used to control the resource estimates.* • *Discussion of basis for using or not using grade cutting or capping.* • *The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.*	• The MRE is based on surface drilling and trenching results using Ordinary Kriging (OK) to inform 20 m x 20 m x 20 m blocks. The block model was constrained by wireframes modelled for the geological formations of the deposits and coded and domained by the level of oxidation and level of veining. The OK interpolation was carried out separately for each geological domain of each deposit. Hard boundaries were used between the interpreted geological domains. The drillhole and trench data were composited to a target length of 2 m based on the length analysis of raw intercepts. Top-cuts were estimated separately for gold and coper grades for each modelled domain and applied to sampled intervals before length compositing. Interpolation parameters were as follows: **Interpolation method**: Ordinary Kriging **Search radii**: Less or equal to 1/3 of semi-variogram ranges; Less or equal to 2/3 of semi-variogram ranges; Less of equal to semi-variogram ranges; Greater than semi-variogram ranges **Minimum no. of samples**: 3; 3; 3; 1 **Maximum no. of samples**: 16; 16; 16; 16 **Minimum no. of drillholes or trenches**: 2; 2; 2; 1 • Previous JORC-compliant Mineral Resources were estimated by Mining Associates, and the estimate was available for review. No current mining is occurring at the Kharmagtai project. • No by-products are assumed at this stage. Estimated molybdenum and silver grades appear to be sub-economic to extract at this stage of the project evaluation. • Sulphur grades were interpolated into the models to establish their potential affect to metallurgical processing.

		• The optimal parent cell size was selected in the course of block modelling. The linear parent cell dimensions along X- and Y-axes were 20 m x 20 m. The vertical parent cell dimension was 20 m. Block grades were interpolated using parent cell estimation. Nominal drill spacing was about 40 m x 40 m at the central parts of the deposits. • It was assumed that a 20 m x 20 m x 20 m parent cell approximately reflects SMU for large scale open pit mining. • No assumptions about correlation between variables were made. • Geological interpretation was based on the results of detailed geological logging, which resulted in the development of wireframe models for all major geological formations for each deposit, which control copper and gold mineralisation (country rocks, porphyry phases, barren dyke. Logging of the level of veining and level of oxidation was used to develop wireframe models for the stockwork development (<0.5% veining, 0.5-1.5% veining and >1.5% veining) and also for breccia pipe and surface for the base of oxidation surface. The wireframe models for stockwork, breccia and oxidation were used to sub-domain the main geological formations of each deposit. All wireframe models were developed by Xanadu geologists using Leapfrog software. • Top-cutting was applied separately for each geological domain and sub-domain based on the results of the classical statistical analysis. • Grade estimation was validated using visual inspection of interpolated block grades vs. sample data, alternative interpolation methods and swath plots.
Moisture	• *Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.*	• Moisture was not considered in the density assignment and all tonnage estimates are based on dry tonnes.
Cut-off parameters	• *The basis of the adopted cut-off grade(s) or quality parameters applied.*	• A cut-off grade of 0.3% CuEq was used to report the Mineral Resources for open pit mining within the limits of ultimate undiscounted pit shell, and a cut-off of 0.5% CuEq was used to report the Mineral Resources for underground mining below the ultimate undiscounted pit shell.
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*	• 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 and outside of an optimised ultimate 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.

	always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	
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 explanation of the basis of the metallurgical assumptions made.*	• No metallurgical factors have been applied to the in-situ grade estimates. Metallurgical recoveries were used when copper equivalent grades were calculated in the model. The applied recoveries were 85% for copper and 70% for gold. Relative gold to copper recovery was 82%.
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 bulk density are recorded in the database, all of which were determined by the water immersion method. • The average density of all samples is approximately 2.75 t/m^3. In detail there are some differences in density between different rock types. Therefore, since the model includes all major geological domains, density values were applied separately for each domain:

		<table><tr><th>Deposit</th><th>Domain</th><th>Density, t/m3</th></tr><tr><td rowspan="5">TS</td><td>OXIDE ZONE</td><td>2.65</td></tr><tr><td>CRD</td><td>2.76</td></tr><tr><td>CRS</td><td>2.74</td></tr><tr><td>P2</td><td>2.78</td></tr><tr><td>P5</td><td>2.80</td></tr><tr><td rowspan="8">AT</td><td>Breccia</td><td>2.78</td></tr><tr><td>OXIDE ZONE</td><td>2.65</td></tr><tr><td>CR</td><td>2.73</td></tr><tr><td>P1</td><td>2.78</td></tr><tr><td>P2</td><td>2.78</td></tr><tr><td>P3</td><td>2.77</td></tr><tr><td>TAND</td><td>2.76</td></tr><tr><td rowspan="5">ZU</td><td>OXIDE ZONE</td><td>2.65</td></tr><tr><td>CR</td><td>2.71</td></tr><tr><td>P1</td><td>2.81</td></tr><tr><td>P2</td><td>2.76</td></tr><tr><td>P3</td><td>2.76</td></tr></table> • Average bulk density values were applied for each geological domain, though there could be variations in density values due to presence of sulphides or level of alteration.
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 has been classified based on the guidelines specified in the JORC Code. The classification level is based upon an assessment of geological understanding of the deposit, geological and mineralization continuity, drillhole spacing, QC results, search and interpolation parameters and an analysis of available density information. The following approach was adopted: o Measured Resources: Not reported. o Indicated Resources: It was decided that Indicated Mineral Resources be assigned to blocks which were explored with the drill density not exceeding approximately 65 m x 65 m with at least two mineralization intersections on exploration lines. Geological structures are relatively well understood and interpreted. o Inferred Resources: Inferred Mineral Resources are model blocks lying outside the Indicated wireframes, which still display reasonable strike continuity and down dip extension, based on the current drillhole and trench intersections. • Data quality, grade continuity, structural continuity and drill spacing were assessed by CSA Global to form an opinion regarding resource confidence.

		• The classification reflects the Competent Person's view of the deposit.
Audits or reviews	• *The results of any audits or reviews of Mineral Resource estimates.*	• The Mineral Resource block model was peer reviewed internally by a Principal Resource Geologist employed by CSA Global and the conclusion was made that the procedures used to estimate and classify the Mineral Resource are appropriate.

Discussion of relative accuracy/ confidence	• *Where appropriate a statement of the 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 available.*
		• Industry standard modelling techniques were used, including but not limited to:
		  ○ Classical statistical analysis,
		  ○ Interpretation and wireframing of main geological formations,
		  ○ Top-cutting and interval compositing,
		  ○ Domaining of the model using level of logging veining, breccia and zone of oxidation,
		  ○ Geostatistical analysis,
		  ○ Block modelling and grade interpolation techniques,
		  ○ Model classification, validation and reporting,
		• The relative accuracy of the estimate is reflected in the classification of the deposit.
		• The estimate is related to the global estimate of the deposit suitable for subsequent PFS or further exploration at the deposit.
		• No historical production data is available for comparison with the MRE.
		• The Mineral Resource accuracy is communicated through the classification assigned to various parts of the deposit.

1.4 JORC TABLE 1 – SECTION 4 ESTIMATION AND REPORTING OF ORE RESERVES

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