

27 November 2017 Market Announcements Platform ASX Limited Exchange Centre 20 Bridge Street Sydney NSW 2000

## Drilling program completed at Tisová Co Au Cu Project – Czech Republic

## Tisová Highlights

- Hole TIDD004 intersects 3 zones of disseminated to semi-massive sulphide mineralisation
- Samples from final two holes are being prepared for dispatch to assay laboratory
- Initial drilling program now complete
- Results from initial 2 holes (TIDD002 & 003) expected in early December
- Best historic results for Cobalt, Copper, Gold and Silver at Tisová:
  - o 0.69% Cobalt, 17.1% Copper, 3.7 ppm Gold and 178 ppm Silver

Auroch Minerals ("Auroch" or "the Company"), a renewable energy focused exploration company has completed its initial four (4) hole drilling program at Tisová. All holes intersected multiple zones of sulphide mineralisation within a broader disseminated sulphide blanket, as predicted in the 3D model. Visible **cobalt** minerals were intersected in two (2) of the holes, within thicker haloes containing 1-5% vein and disseminated sulphides.

Drilling of TIDD004 was completed on 21 November 2017. Several zones of sulphide mineralisation were again intersected within TIDD004. Geological logging has identified sulphide zones including pyrrhotite, pyrite, chalcopyrite and galena between 40.1 - 42.2m, 69.1 - 75.9m and 161.6 - 174.5m. The sulphides observed typically form in narrow bands up to 40cm wide of semi-massive to vein sulphides within a broader disseminated sulphide halo (1-5%). All samples have now been dispatched to the ALS laboratory in Romania and assay results for the full program will be available in December.

**CEO Dr Andrew Tunks said,** *"We have now completed our initial drilling program at Tisová and eagerly await the results from the assay laboratory." The drilling has revealed multiple narrow zones of massive to semi massive sulphides within a broader sulphide halo as was expected from the previous work." Unfortunately, the weather onsite has closed in and we are unable to redrill the third hole which was abandoned in a mining void. However, we now have ample sample material to test for the presence of economic grades and thicknesses of cobalt, gold and copper within the Tisová mineral system* 



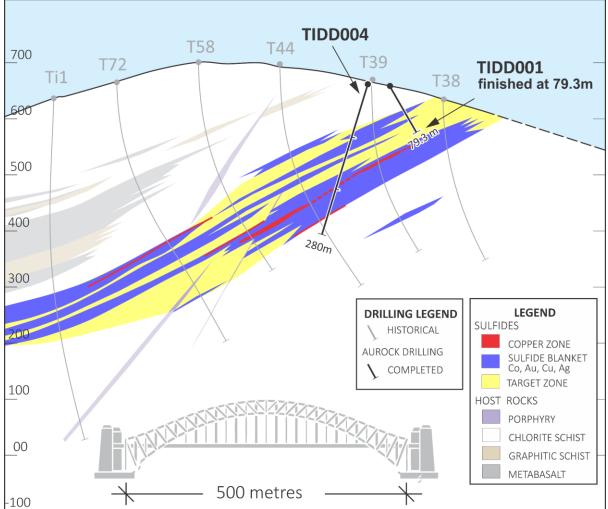


Figure 1 Geological section highlighting sulphide halo and historic drilling TIDD001 and 004 are shown. Note the background sulphide zones are based on historic work and not the new drilling. These zones correlate broadly with what has been logged in the new drilling and new sections reflecting the updated geology will be published when the assay results are in hand to aid in the geological interpretation.



## TIDD004 Sulphide Mineralisation



Photo 1 TIDD004: (37.0m) narrow semi-massive pyrite bands in sericite-chlorite schist.



Photo 2 TIDD004 (75.1m): 20cm quartz vein + sphalerite, + chalcopyrite + pyrite.





Photo 3 TIDD004 (75.4m): narrow zones of coarse grain pyrite (up to 30%) with minor chalcopyrite blebs and veinlets in quartz veining.



Photo 4 TIDD004 (161.8m): network textured sulphides, dominantly pyrrhotite and coarse grained pyrite with minor chalcopyrite blebs.



Photo 5 TIDD004 (162.2m): narrow zones of semi-massive and disseminated sulphide in a strongly sheared host rock, dominantly pyrrhotite and coarse grained pyrite with minor chalcopyrite blebs.



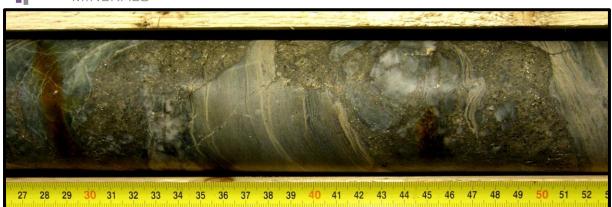


Photo 6 TIDD004 (174.3m): semi-massive to stringer pyrrhotite (20% sulphide), associated with quartz veining.

### TIDD004

From	То		%	
(m)	(m)	Lithology	Sulphide	Description
0.00	19.00	LS		weathered, foliated (CA 60°), intrafoliation qtz bands (qv's 3%)
19.00	40.10	ZCS		ser-chl schist, frequent late qtz veins (up to10%), locally well foliated
40.10	42.20	MIN	5	5% sulphide, thin bands py (up to 2cm), well foliated (40-50°), qtz bands (5%)
42.20	56.30	ZCS		chl-ser schist, folded/sheared bands, occass. qtz veins
56.30	69.10	ZCSQ		chl-ser schist, frequent qtz bands up to 10cm (qv's 10%)
69.10	70.85	MIN	20	pyrite ore (20% sulphide), qv's 3%, carb bands
70.85	72.20	ZCS	1	foliated, chl-ser schist, minor qtz
72.20	73.70	MIN	15	py mineralization (15% sulphide), bands of coarse + fine grain pyrite, qv's 3%
73.70	74.90	ZCS	3	foliated, chl-ser schist, minor qtz, disseminated pyrite
74.90	75.90	MIN	30	qv's 60%, semi-massive pyrite (up to 30%); minor cpy blebs and veinlets in qtz
75.90	114.35	ZCS		chl-ser schist, well foliated, minor qtz veins, veinlets/blebs py in qtz (+minor cpy)
114.35	150.70	ZCS		chl-ser schist, carb veinlets, late qtz veins up to 10cm (qv's 5%)
150.70	155.60	ZSC		ser-chl schist, carb bands, minor qtz with sulphides po>cpy (up to 5%)
155.60	161.60	ZCS		chl-ser schist, monotonous, minor late qtz veins
161.60	162.65	MIN	15	semi-massive to stringer py (15% sulphide), minor cpy + po (po>cpy), + qtz veins
162.65	174.20	ZSC	3	ser-chl schist, qtz bands (folded); occass. po mineralization (po>cpy)
174.20	174.50	MIN	20	pyrrhotite stringer to semi massive ore (20% sulphide), dominantly in qtz
174.50	211.70	ZCS		chl-ser schist, well foliated, late qtz veins (qv's 5%), traces of sulphide
211.70	231.80	ZCS		chl-ser schist, monotonous, minor qtz
231.80	280.20	ZCS		chl-ser schist, well foliated, qtz veins (5%), frequent carbonate veinlets

Table 1 Summary drill hole log - TIDD004.

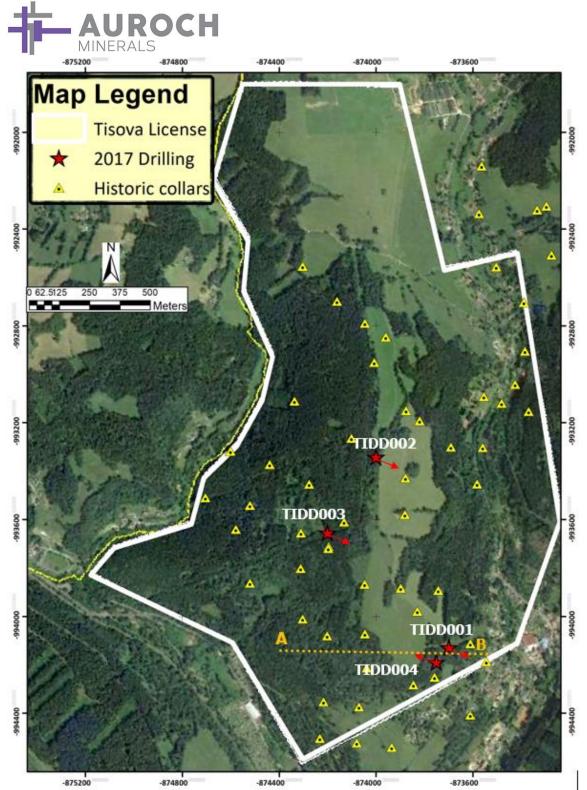


Figure 2 Tisová licence outline with drill hole locations from current drilling shown as stars on Google Earth imagery (collars from current drilling program highlighted).



#### **About Auroch Minerals**

Auroch Minerals (ASX: AOU) is primarily focusing on the exploration of metals crucial to the Renewable Energy Industry. The Company is specifically targeting Cobalt and Lithium, both used in the production of Li ion batteries, and Copper.

It is the Company's vision to add shareholder value through the identification, exploration and subsequent development of assets located in under-explored provinces that contain historic production and prospective geology. Auroch's current portfolio of projects contains three highly prospective exploration projects;

Tisová Cobalt Copper Gold Project located in the Czech Republic, where the Company currently holds a nine-month option to acquire 100% of the project as announced July 2017. Tisová is located in the heart of the European industrial hub, has a long history of copper production with mine infrastructure in place. Recent sampling carried out by Auroch has confirmed the presence of Cobalt. Auroch is currently carrying out its initial drilling program.

The Company is also earning 75% of the Alcoutim Copper Zinc Project in Eastern Portugal. Alcoutim is located on one of the world's most significant mining districts, the Iberian Pyrite Belt (IPB). Known as the Land Of Giants, the IPB is renowned for its poly-metallic (Copper and Zinc dominant) Volcanic Massive Sulphide (VMS) deposits. Home to three Super Giant deposits (Rio Tinto, Neves Corvo and Aljustrel) and 10 Giant deposits, the area hosts over 80 known deposits containing resources totalling over 1,700 Million Tonnes. Auroch's Alcoutim Project is located immediately along strike of the Super Giant Neves Corvo deposit.

The Company holds 100% of the Karibib Lithium Project, located in Namibia, which provides Auroch with immediate upside potential to the rapidly evolving lithium market. Karibib is situated next door to two of Namibia's high-grade historic lithium producing mines, Rubikon and Helikon.

For further information visit <u>www.aurochminerals.com</u> or contact:

## Auroch Minerals Limited

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#### **Competent Persons Statement**

The information in this report that relates to Exploration Results is based on information compiled by Dr. Andrew Tunks and represents an accurate representation of the available data. Dr. Tunks (Member Australian Institute Geoscientists) is the Company's Chief Executive Officer and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Dr Tunks consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



JORC Code, 2012 Edition – Table 1 Section 1 Sampling Techniques and Data

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

Criteria	Commontary
	Commentary
Sampling techniques	<ul> <li>Grab samples collected from waste dumps associated with Tiggié ming by Coolegist under contract to Auroch Mingrals</li> </ul>
	Tisová mine by Geologist under contract to Auroch Minerals
	<ul> <li>Samples were collected from zones suspected to be mineralised</li> <li>Complex were not collected on a grid</li> </ul>
	Samples were not collected on a grid.
Drilling techniques	<ul> <li>Drilling by Auroch is standard Diamond drilling with HQ</li> </ul>
	diameter coring
Drill sample recovery	Drill recoveries are logged and all core photographed
Logging	All Auroch drilling is logged by professional Geologists
Sub-sampling techniques and	<ul> <li>Intervals are selected for assay based on geological logging</li> <li>Core is come in helf</li> </ul>
sample preparation	Core is sawn in half
	Half core is submitted to lab
Quality of a complete and	Half core is retained for assay verification if required
Quality of assay data and	<ul> <li>All assays for Auroch sampling completed by ALS Minerals - Romania</li> </ul>
laboratory tests	
	<ul> <li>Standard methods including XRF for major elements, ICP-AES and ICP – MS and fire assay were used as appropriate</li> </ul>
	<ul> <li>There is no information or QAQC work on historic sampling</li> </ul>
Verification of sampling &	<ul> <li>For Auroch sampling blanks or field duplicates are submitted -</li> </ul>
assaying	ALS runs internal QAQC protocols including, lab duplicates and
ussuying	standards were utilised
	<ul> <li>There is no information on QAQC for historic data</li> </ul>
Location of data points	<ul> <li>Auroch drill collars are located using DGPS</li> </ul>
	<ul> <li>Historic Drilling was located by traditional surface and</li> </ul>
	underground survey
	<ul> <li>Historic work has been completed on local grids however all</li> </ul>
	data will be transformed in UTM WGS 84 Zone 33 North during
	digital capture of historic records
Data spacing and	Not relevant for sampling by Auroch
distribution	• Previous historic drilling was completed on a variety of scales
	appropriate for the mining techniques and methods used in
	Czechoslovakia at the time of operation
Orientation of data in	• Auroch samples collected to test a variety of ore types there are
relation to geological	NOT spatially significant and bear NO relationship to the true
structure	nature of the orebodies
	• Drilling is conducted at close to 90 degrees to geological
	structure, drilling information is backed up by extensive
	underground mapping (Figure 1)
Sample security	<ul> <li>Samples were collected by field geologist, numbered and</li> </ul>
	bagged and delivered immediately to assay laboratory
Audits or reviews	Not completed



# Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

Criteria	Commentary
Mineral tenement and land tenure status	<ul> <li>Tisová exploration rights held under Tisová license, No.77533/ENV/14, 2091/530/14; issued 28th May 2015, valid till 30.6.2020</li> <li>There are three Exploration Licence applications in the Czech Republic – See Figure 2.</li> <li>There is no guarantee applications will be granted</li> </ul>
Exploration done by other parties	<ul> <li>Tisová was an operating mine between 1959 to 1973</li> <li>Production was 561Kt of ore @ 0.68% Cu as detailed in 1984 P. Kozubek et al. Tisová Copper Mine –Final Report Rudné doly Příbram np.</li> <li>Reports of previous exploration are stored at the Geological Survey Czech Republic see references</li> </ul>
Geology	The deposit is formed by a number of concordant ore lenses within a sequence of phyllitic metasediments, with interbedded metabasic layers, between the Karlovy Vary and the Smrciny granite plutons. The metasediments are assigned to the Kraslice sequence of the upper part of the Raun Group of Saxothuringikum of Upper Cambrian age. Sulfide horizons containing the orebodies occurred in the lower part of the sequence above the quartzite horizon and below the metabasic rocks. The host rocks are characterized by chlorite-sericite and sericite-chlorite phyllites.
Drill hole Information	See below Holes are HQ core
Data aggregation methods	No data has been aggregated
Relationship between mineralisation widths and intercept lengths	<ul> <li>No mineralised intercepts are presented.</li> <li>However as can be seen from sections presented in the report surface drilling is close to optimal when intersecting the shallowly dipping ore bodies indicating intersection widths of sulphides are close to true width</li> </ul>
Diagrams	See report
Balanced reporting	Complete summary logs are presented
Other substantive exploration data	<ul> <li>The Tisová Cu mine operated over a long period and was detailed in the final report. 1984 P. Kozubek et al. Tisová Copper Mine –Final Report Rudné doly Příbram np.</li> <li>However this report refers to the copper mining history and exploration and Tisová – other elements such as Cobalt and Gold were not regularly sampled for or documented</li> </ul>
Further work	Awaiting results of analyses