

Archer Exploration Limited: Resource Drilling Recommences at Campoona Graphite Project

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Sydney, Australia (ABN Newswire) - [Archer Exploration Limited](#) (ASX:AXE) advises that resource drilling recommenced on the 23rd May 2012 at the Company's 100% owned Campoona Graphite Project located approximately 12km north of the township of Cleve on Eyre Peninsula, South Australia.

Drilling by the Company in February and again in April 2012 confirmed the presence of visible flake graphite within a discrete intense graphitic shear zone hosted in low grade graphitic proto-gneiss (high grade metamorphosed sediments). The high grade graphite unit averages 10-50m in true width with the hangingwall section particularly high grade averaging over 15% graphitic carbon and carrying visible flake.

The current phase of drilling is the third and final phase of a staged resource drilling programme to identify a JORC Measured Resource at Campoona Shaft. It is expected that the drilling will take 8-12 weeks to complete with the assay results to be progressively reported.

Notes on Exploration Potential

Exploration Potential - Tonnage*

Drilling results at Campoona Shaft confirm that the graphitic-rich body consists of a discrete intense graphitic shear zone hosted in low grade graphitic proto-gneiss (high grade metamorphosed sediments). The high grade graphite unit averages 10-50m in true width with the hangingwall section particularly high grade averaging over 15% graphitic carbon and carrying visible flake. The drilling shows the graphite to extend to a vertical depth of at least 100m and there are no signs of thinning at depth. Drilling results are limited to a strike length of 600 metres however the deposit remains open along strike to the north. No density measurements have been conducted at this time but given the composition of the unit it is reasonable to ascribe a density of 2.2gm/cc.

The lower bound exploration potential assuming a strike length of 600m, an average width of 25m, a down-dip extent of 100m and a specific gravity of 2.2gm/cc is estimated at 3Mt.

The upper bound exploration target assumed a strike of 600m (despite the deposit being open to the north) and a vertical extent to the deposit of 150m is estimated at 5Mt.

Central Campoona has the same overall geology however the intense graphitic unit is narrower averaging 10m in true width. Drilling results are limited to a strike length of 1,400 metres however the deposit remains open along strike to the south. The lower bound exploration potential assuming a strike length of 1,400m an average width of 10m, a down-dip extent of 100m and a specific gravity of 2.2gm/cc is estimated at 3Mt.

The upper bound exploration target assumed a strike of 1,400m (despite the deposit being open to the south) and a vertical extent to the deposit of 150m is estimated at 5Mt.

Exploration Potential - Grade*

At Campoona Shaft the arithmetic average of the graphitic schist in the 10 holes completed to date (sample size n=267; x 11.0%TGC) is 10-12%TGC. A lower grade cut-off of 5%TGC was used.

At Campoona Shaft the arithmetic average of the graphitic schist in the 6 holes completed to date (sample size n=72; x 12.4%TGC) is 11-13%TGC. A lower grade cut-off of 5%TGC was used.

The depth of oxidation at both areas is approximately 80m vertically below surface corresponding with the current water table.

**The potential quantities and grades presented are conceptual in nature, there has been insufficient*

exploration to define an overall Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource

Metallurgical Testwork

Samples from the April drilling have been submitted for petrological examination and for detailed metallurgical evaluation. Test results should be available within the next week and will be reported once collated.

For the full announcement including tables and charts, please visit:
<http://media.abnnewswire.net/media/en/docs/ASX-AXE-188120.pdf>

About Archer Exploration Limited:

[Archer Exploration Limited](#) (ASX:AXE) is a copper, gold and uranium explorer focused on the discovery of world-class ore deposits.

The company has carefully acquired a portfolio of projects, covering an area in excess of 7,000 km², in the highly prospective Gawler Craton and Adelaide Fold Belt regions of South Australia. All projects are 100% owned by the company.

The company's flagship Evelyn Dam prospect in the West Roxby Project is an iron ore-copper-gold-uranium (IOCG-U) target which has a gravity anomaly similar in size to the nearby Olympic Dam operations.

Archer Exploration Limited has an experienced board and management team and has the ability to maximise the potential of the company's world-class projects.

Contact:

Archer Exploration Limited
T: +62-8-8272-3288
WWW: www.archerexploration.com.au

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