

## ASX Release

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ASX: ACB

### JORC COMPLIANT COAL RESOURCE DEFINED AT LETLHAKANE URANIUM PROJECT

A-Cap Resources Limited (“A-Cap” or the “Company”) is pleased to announce that recent drilling at the Company’s flagship Letlhakane Uranium Project (“Letlhakane”) has defined a JORC compliant resource of **107 million tonnes of coal**.

#### KEY POINTS:

- ▲ Coal suitable for domestic power station feed with beneficiation
- ▲ Coal seams from surface to a depth of 84 metres
- ▲ Potential to add significant value to Letlhakane, with synergies between mining the coal and uranium ore concurrently under investigation
- ▲ Further evaluation work on the resource, its quality and development options underway
- ▲ This follows the discovery and delineation of major coal resources at Mea and Bolau which are currently being evaluated for commercial development

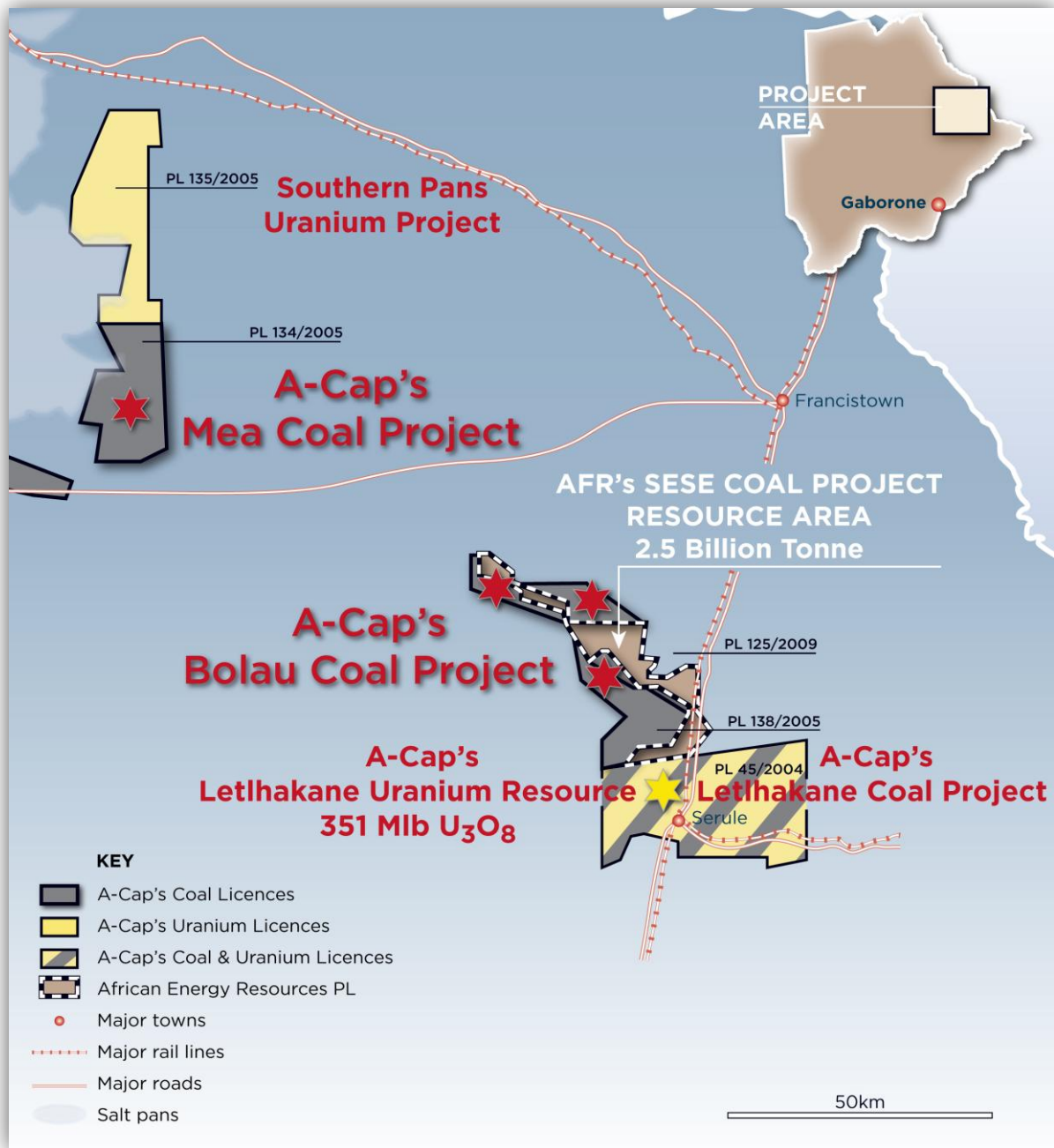
A-Cap’s CEO, Mr Paul Thomson stated:

*“The discovery and delineation of a significant coal resource within the Letlhakane Uranium Project is another positive step in advancing this world class uranium project towards development and production.*

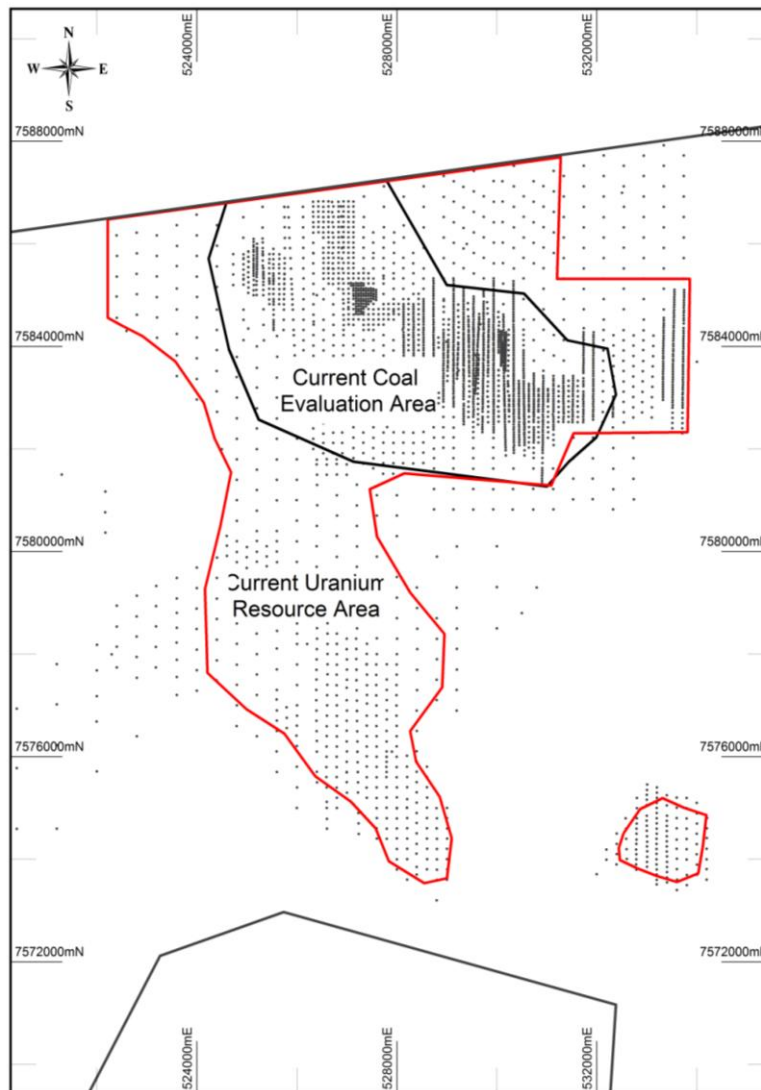
*In spite of one of the worst mining markets in decades, A-Cap is well funded, has strong support from its major shareholder and is continuing to progress the project so that it is ready to benefit from the forecast upturn in the uranium price. The Company is also currently in discussions with major nuclear industry players interested in securing long term stable supply of uranium”.*

#### Resource Description

The Letlhakane Uranium Project is situated approximately 80km south of Francistown along the sealed A1 highway (Figure 1). The deposit is located within PL45/2004 and is hosted in Lower Ecca Group sediments of the Karoo Supergroup. The coal project area, which comprises about 17 km<sup>2</sup> is located in the north-western parts of PL45 and overlaps portions of the Gorgon Main, Gorgon South, Mokobaesi and Kraken Uranium resource areas (Figure 2).



**Figure 1: A-Cap's portfolio of projects in Botswana**



Until recently, work within PL45 has been focused primarily on uranium exploration, where A-Cap has successfully discovered one of the world's largest undeveloped uranium resources. During the uranium exploration and resource definition drilling, numerous intersections of coal and other carbonaceous lithologies were noted but the resource potential of this material had not been quantified. As part of the ongoing feasibility work for exploitation of the uranium resource, consideration has been given to the potential economic value of this material and whether its extraction and sale could reduce the mining costs for any future uranium mining operation.

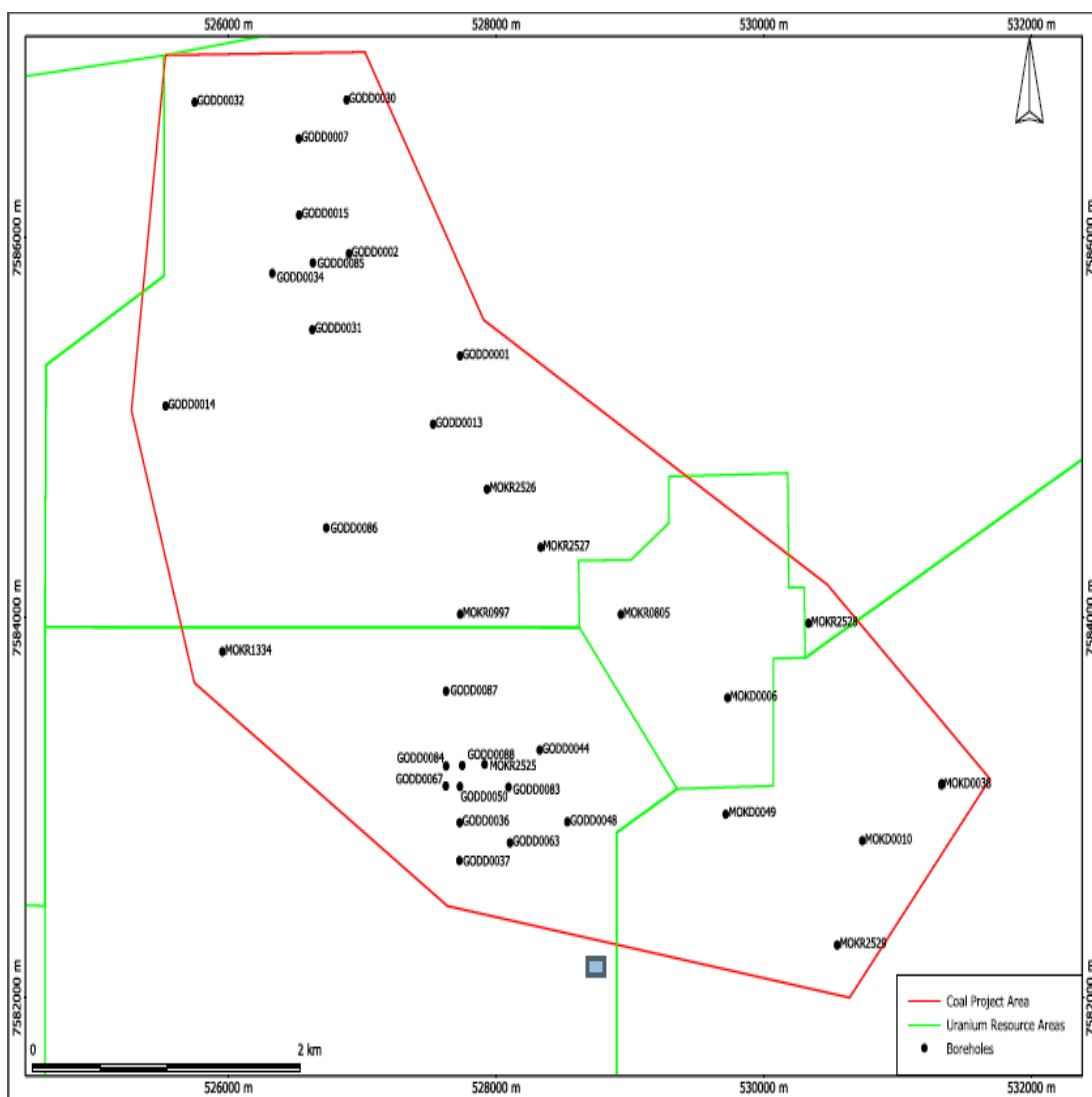
Geological and Mining Services Australia (GMSA) was contracted by A-Cap to estimate a preliminary Mineral Resource in accordance with JORC for the LUP Coal Resource. The geological model and resource statement was completed by GMSA in April 2013. Available data included geological, coal quality and geophysical data obtained from previous exploration programmes and the results of recent drilling carried out by A-Cap within the licence area. This report was completed by Mr. D. Stevenson B.Sc. (Hon), M.AusIMM, Principal Geologist, GMSA.

Evaluation work commenced with a thorough review that resulted in the recommendation to clean out, deepen and geophysically log a selected number of existing drillholes with the suite of down hole sondes typically used for coal. Five (5) additional non-cored drill holes were also completed to assist in identifying

the stratigraphy. Cleanout metres totalled 1,345 and drilled metres totalled 1,041. A report detailing the result of this work was produced in October 2012 and outlined the coal resource potential within the Letlhakane area. However, due to the paucity of coal quality data it was not possible to give a resource status to the identified seams.

In November 2012 an additional four (4) boreholes were drilled including two (2) open holes to confirm correlations between previously widely spaced points of observation and two (2) cored holes for coal quality sampling. A total of 376 m were completed.

Data obtained from the 2012 drilling programmes enabled GMSA to estimate the resource potential of a portion of PL45.



**Figure 2: Location of all drill holes to used to estimate the initial Inferred Coal Resource at Letlhakane**

## Resource Summary

A block Model of the Letlhakane Coal Project area was created from the structure and quality grids using the Vulcan Geological and Mine Planning Software using a block size of 20 m.

A polygon encompassing the boreholes contained in the Letlhakane Coal Project database was constructed and then extrapolated outwards 250 m from the borehole locations. There are numerous additional drill holes both within and outside the resource polygon that also contain coaly intervals but have not been assessed and quantified during this resource estimation. The extrapolation distance of 250 m beyond the line of assessed and quantified drill holes is therefore considered to be conservative and any additional drill holes assessed beyond the resource polygon would potentially increase the seam tonnages.

The resource criteria used were:

1. All seam intervals within the initial resource polygon
2. A minimum 0.3 m seam thickness
3. A maximum of 50 % ash raw ash
4. > 15 m depth of cover (non-weathered coal)

Based on the borehole spacing and limited number of quality intersections, the resources have been given Inferred Status (Table 1).

With reference to Table 1, the resources can be summarised as follows:

1. 107.3 Mt of Inferred Resources within the initial exploration target area at an average depth of cover of 52 m.
2. Average coal seam thickness ranges from 0.55 m to 2.16 m with an average composite seam thickness of 9.19 m.
3. Average raw ash ranges from 34.5 % to 45.5 % with an average for all seams of 37.8 %.
4. Average Cumulative F1.60 results include ash 26.0%, moisture 6.9%, energy 18.8 Mj/kg, total sulphur 0.31% and yield of 58.4 %.
5. Average Cumulative F1.80 results include ash 29.6%, moisture 6.7%, energy 14.0 Mj/kg, total sulphur 0.40% and yield of 69.8 %.
6. Beneficiation at a density of 1.60 g/cm<sup>3</sup> produces a domestic thermal coal from all quantified seams.
7. Beneficiation at a density of 1.80 g/cm<sup>3</sup> produces domestic thermal coal from a majority of seams.
8. To achieve an export thermal coal the coal would need to be washed at densities < F1.60.
9. All seams have a very low total sulphur content which increases the value of the coal product.

SEAM	Thick (m)	DOC (m)	Raw Ash %	Raw RD	Tonnes (Mt)
<b>Top</b>	0.67	41	41.2	1.80	13.0
<b>MA</b>	2.16	55	37.2	1.80	22.1
<b>MB</b>	0.68	52	35.3	1.79	12.8
<b>MC</b>	0.55	50	34.5	1.75	7.5
<b>MD</b>	0.78	44	45.5	1.87	10.1
<b>BA</b>	1.50	60	34.9	1.81	28.7
<b>BB</b>	1.58	49	40.9	1.84	10.2
<b>BC</b>	1.27	52	37.7	1.78	2.9
<b>Total</b>	<b>9.19</b>	<b>52</b>	<b>37.8</b>	<b>1.81</b>	<b>107.3</b>

**Table 1a. Inferred resource estimates RAW Coal for the Letlhakane Project**

SEAM	Thick (m)	Ash %	IM %	CV Mj/kg	TS %	Yield %
<b>Top</b>	0.67	32.1	7.6	16.8	0.25	63.3
<b>MA</b>	2.16	20.6	6.3	21.0	0.36	55.0
<b>MB</b>	0.68	24.1	5.8	18.5	0.32	62.8
<b>MC</b>	0.55	28.0	7.9	18.0	0.23	73.9
<b>MD</b>	0.78	29.1	7.7	18.1	0.26	29.7
<b>BA</b>	1.50	24.3	6.7	19.4	0.34	64.5
<b>BB</b>	1.58	32.3	7.9	16.9	0.22	48.7
<b>BC</b>	1.27	32.1	7.6	17.4	0.24	76.8
<b>Total</b>	<b>9.19</b>	<b>26.0</b>	<b>6.9</b>	<b>18.8</b>	<b>0.31</b>	<b>58.4</b>

**Table 1b. Inferred resource estimates for the Letlhakane Coal Resource at F1.60**



SEAM	Thick (m)	Ash %	IM %	CV Mj/kg	TS %	Yield %
<b>Top</b>	0.67	35.8	7.2	13.2	0.25	76.4
<b>MA</b>	2.16	24.3	6.2	14.4	0.44	65.9
<b>MB</b>	0.68	26.2	6.0			73.4
<b>0.55</b>	0.55	28.6	7.8	13.1	0.30	80.1
<b>MD</b>	0.78	35.2	7.0	13.7	0.20	55.5
<b>BA</b>	1.50	27.7	6.6	14.3	0.58	73.7
<b>BB</b>	1.58	37.0	7.3			80.9
<b>BC</b>	1.27					
<b>Total</b>	<b>9.19</b>	<b>29.7</b>	<b>6.8</b>	<b>14.0</b>	<b>0.40</b>	<b>71.9</b>

**Table1c. Inferred resource estimates for the Letlhakane Coal Resource at F1.80**

### Mea and Bolau Coal Projects

A-Cap is also continuing the evaluation of its new coal discoveries at Mea and Bolau. A recent drilling programme on the Mea Coal Discovery has identified some of the highest quality coal discovered in the Botswana region. Only a fraction of the tenure has been drilled to date. The current resource stands at 335 million tonnes of coal, of which at least 95 million tonnes is near surface, export quality coal after washing with calorific values of 26.4Mj/kg (6313kcal/kg). Recent test work has indicated that a low ash, high energy PCI coal product can be produced when selected seams are washed at low densities. The commercial potential of this discovery is being evaluated with the assistance of coal engineering and marketing experts assessing the near term development options.

Coal has been discovered at Bolau, next to and covering the up and down dip extension of the 2.5 billion tonne Sese Coal Project owned by African Energy. The coal is interpreted to be sub bituminous thermal coal with potential for both local markets and export abroad. Potential at Bolau exists for a resource of similar size to the Sese Coal Project, and work is continuing on further evaluating this asset.

**\*\*\*Ends\*\*\***

For further information contact:

Paul Thomson, CEO, A-Cap Resources  
Victoria Thomas, Six Degrees Investor Relations

+ 61 8 9220 9850  
+ 61 3 9645 7567

### JORC CODE COMPETENCY DECLARATION

*The information presented in this report is based on a geological model that was produced in February 2013. Mr. D. Stevenson M.AusIMM, Principal Geologist with Geological and Mining Services Australia Pty Ltd produced this model and has determined resource estimates for PL134/2005.*

*Mr. Stevenson has over 18 years' experience in modelling and assessing coal resources, which is sufficient relevant experience for the style of mineralisation and type of deposit under consideration and to the activity to which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Stevenson consents to the inclusion in the report of the matters based on information in the form and context in which it appears.*