A-Cap Resources Limited ("A-Cap" or "the Company") has recently completed a new airborne radiometric and magnetic survey over the Company’s Makghadighadi tenements in Botswana. Preliminary interpretation of the data has identified 16 high priority radiometric targets for initial follow up. A-Cap will be conducting ground checking of the anomalies early in 2010 as soon as the wet season finishes and access can be made.

Figure 1 A-Cap’s tenement holding in Botswana, highlighting the Makghadighadi area where the radiometric data has been acquired.
Figure 2 Radiometric anomaly image for the Makghadighadi area. Red and whites representing higher U values.

Figure 3 One example of many processed images that are used to highlight areas of Uranium anomaly for exploration targeting purposes. This image is derived through mathematical processes and in particular the square of the Uranium value divided by the thorium value.
Geology
The geology of the area of the Makghadighadi Prospecting Licences is essentially the basal sequence of the Karoo Supergroup. These rocks have been known to host economic deposits of uranium throughout southern Africa such as the Kayelekera deposit in Malawai and A-Cap’s own Letlhakane Project in Botswana.

Airborne radiometrics are one of the principal early stage exploration tools and in this instance A-Cap has immediately identified 16 targets for ground follow up in early 2010. At the same time a comprehensive set of magnetic data was also acquired and has been used in the anomaly selection process.

The technical details of the data acquisition follow.

Survey Information
GeX Services of South Africa was contracted to fly a high resolution airborne combined gamma-ray spectrometer and magnetic survey over A-Cap’s Makghadighadi tenements in Figure 1. The survey area covered approximately 2455 sq km and was located in the central area of Botswana, north of the Orapa township.

The magnetometer and spectrometer system were mounted on a Cessna 210 aircraft and the survey was flown using the following parameters:
- Line direction: 0° - 180°
- Control line direction: 90° and 270°
- Line spacing: 200 m
- Sensor ground clearance: 100 m (subject to safety considerations)
- Tie line spacing: 2000 m
- Total line kilometres: 13,554 km

Dr Andrew Tunks
Managing Director
A-Cap Resources Limited

Information in this report that relates to exploration results, data and cut off grades is based on information compiled by Dr Andrew Tunks who is a member of the Australian Institute of Geoscientists. Dr Tunks is a fulltime employee of A-Cap Resources. Dr Tunks has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 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.