

19 April 2023

ASX RELEASE

Exploration program commences at Manyoni, Tanzania

Highlights

- Proposed 4,400m drilling and associated exploration program at the Manyoni Uranium Project has commenced.
- Initial results from hand-held devices should be available in the next few weeks, with more detailed laboratory assays to follow.
- Drilling program is proposed to include holes at the nearby Itigi project where there is a previously identified significant radiometric anomaly.
- Awaiting response from Tanzanian Minister of Mines in relation to the revocation of two of AuKing's licence holdings at Manyoni.
- Other project activities in Tanzania have commenced at Mkuju and Mpanda.

AuKing Mining Limited (ASX: AKN) has started a 4,400m drilling and associated exploration program at its Manyoni Uranium Project in central Tanzania.

AuKing's CEO, Mr Paul Williams, said that Manyoni had the potential to be a near-term uranium production asset for the Company and that it was pleasing to be able to commence the drilling program after ongoing rain delays.

"The drilling program at Manyoni is intended to provide the basis for an updated resource estimate and thereby set the platform for development activities at this project. We will include some drill holes at the nearby Itigi project area where a major 40km x 10km radiometric anomaly was identified but not subjected to drilling," said Mr Williams.

"We are also awaiting a response from the Minister of Mines in Tanzania to our appeal against the two revoked Manyoni licences and are hopeful of a positive outcome," he said.

Manyoni Project Location

AuKing holds several granted prospecting licences (“PLs”) which include almost all of the Manyoni uranium resource areas previously held by Uranex NL (now called Magnis Energy Technologies Limited) (UNX). Figure 1 below indicates the location of Manyoni, approximately 100 km west of the major city of Dodoma in central Tanzania.

Manyoni had been the focus of activities of UNX from the early 2000’s up until 2013. The Fukushima disaster in 2011 had a dramatic impact on the uranium market and UNX’s apparent focus turned to graphite interests in the region.



Figure 1 – Manyoni Project Location

Uranium mineralisation at Manyoni is reported to occur as near surface secondary enrichment of unconsolidated Mbuga clay sediments and underlying saprolite material. The distribution of uranium is reported to be in the Mbugas and along catchment profiles indicating that uranium is anomalous in ground water for much of the length of the catchment into the Bahi depression. This presents a model for precipitation of uranium within Mbuga traps and in reduced carbonate-rich fluvial channels.

The uranium deposits discovered at Manyoni to date are shallow, generally less than 10 m deep. To date several individual uranium bearing playa lakes/project areas also referred to as Mbugas have been identified through exploration activities.

The Manyoni deposit is classed in the IAEA (International Atomic Energy Agency) classification of uranium deposits as a surficial deposit. Surficial deposits typically vary in size and generally contain low grade uranium. Surficial uranium deposits were formed in the Tertiary and Recent when uranium-rich granites were deeply weathered in a semi-arid to arid climate. The uranium mineralisation is often associated with fine-grained surficial sand and clay.

Figure 2 below highlights AuKing's PL holdings at Manyoni and the existence of the playa deposits that have been identified by UNX's historical exploration activities.

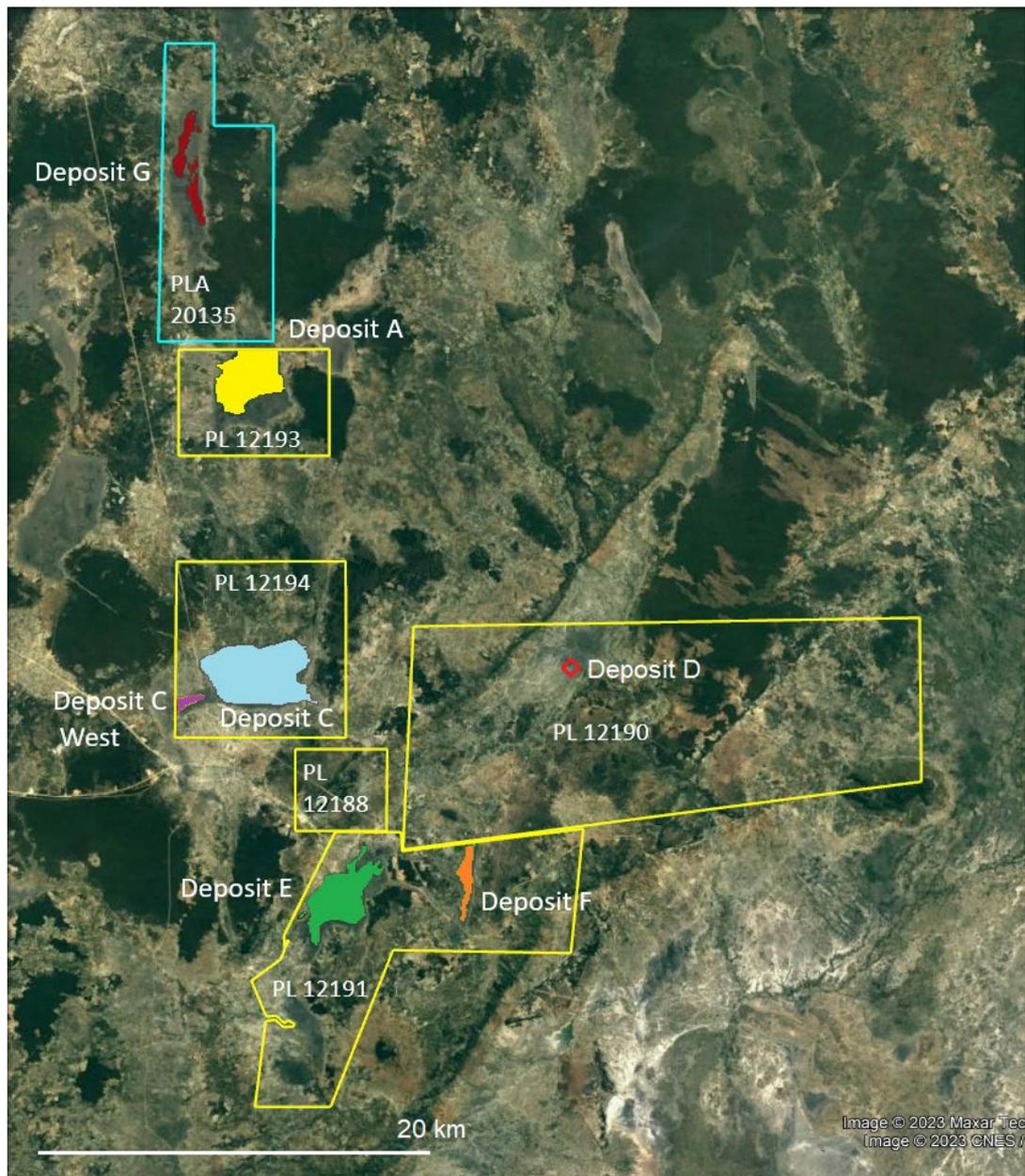


Figure 2 – AuKing's Manyoni PL holdings with playa deposits highlighted.

Revocation of AuKing Manyoni PLs

On 27 February 2023 AuKing advised of a decision by the Tanzanian Mining Commission to revoke two of the Company's PL holdings at Manyoni – PLs 12193 and 12194. As a result of this decision AuKing filed an appeal to the Tanzanian Minister of Mining and AuKing is currently waiting for a response. AuKing remains hopeful of a positive outcome here so that planned drilling within these PL areas can occur as part of the current program.

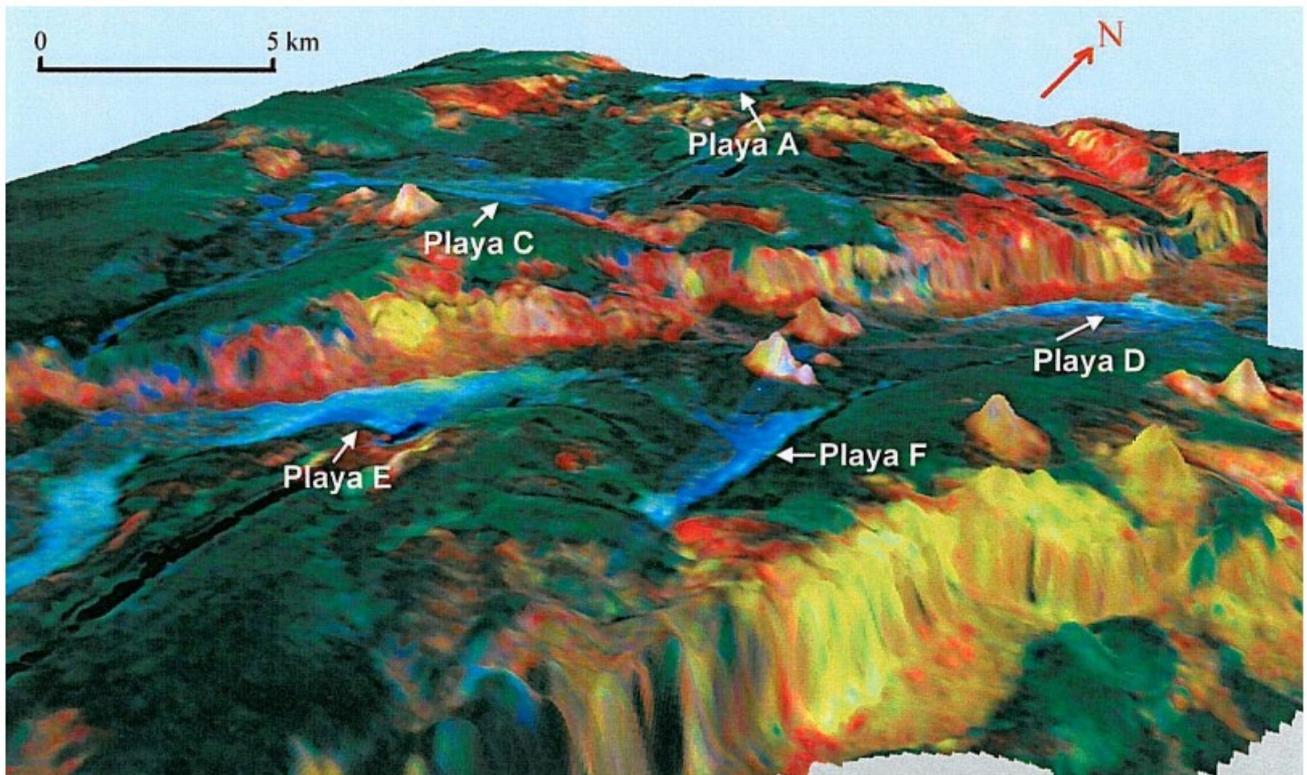


Figure 3 – Manyoni region 3D aero-radiometric ternary image. Note – yellow and red hues ‘K’ denote outcropping granite and gneiss, green ‘Th’ denotes residual surface material and blue ‘U’ hues denote uranium anomalies. (See UNX release to ASX – 30 June 2008 Quarterly Activities Report).

Drilling program key objectives

The Manyoni drilling program is estimated to be completed over a 2-3 month period with 4,400m of combined auger, air core and diamond drilling. The budgeted expenditure for this program is \$700k. The key aims of the program include the following:

- 1. Resource expansion** – in their 2010 mineral resource estimate (“MRE”) H&S Consultants (see AKN release to ASX on 27 February 2023) noted the potential to significantly increase the existing Manyoni resource to include areas that required additional exploration within and nearby to the existing MRE. In addition, most of the historic exploration has been focused on the near-surface mineralization – very little drilling is below 15m depth, with the deepest drilling to 46m. Consequently, a number of playa zones have yet to be either fully tested or at all.

2. **Validation of historic results** – some drill holes will be located to improve confidence in areas of the MRE where differences (or discrepancies) in the sampling techniques from the historic drilling can be resolved and standardised.
3. **Provide basis for future resource estimates** – some drill holes will also be located to ensure there is sufficient information to enable competent persons to prepare updated MRE reports in accordance with applicable JORC standards and, wherever possible, to maximise the amount of the MRE that can be included in the Indicated classification.
4. **Clarify previous metallurgical results** – UNX reported significant differences in the recovery rates from metallurgical testwork results conducted on Manyoni ores as part of its PFS activity. Samples will be collected from the AuKing drilling program for the purpose of conducting further metallurgical tests – not only to clarify historic recoveries but also to apply the latest metallurgical techniques that have been developed for uranium deposits over the past 15 years.
5. **Test the large Itigi radiometric anomaly** – see comments below.
6. **Platform for development fast-track** – assuming the results from the drilling program provide a sound basis for an updated MRE and no unexpected outcomes from the additional metallurgical testwork, AuKing intends to establish Manyoni on a fast-track for development. The location of the project (near Dodoma in central Tanzania) and near-surface mineralisation are key attributes of Manyoni that remove development hurdles experienced elsewhere.
7. **In-country experience for AuKing personnel** – this will be the first exploration program conducted by AuKing in Tanzania by existing personnel with in-country expertise being engaged. The learnings from this program about local operating conditions and logistics will be invaluable for future activities not only at Manyoni but elsewhere across the AuKing tenure package in Tanzania.

Itigi radiometric anomaly

On 29 January 2010 UNX announced details to ASX of an intense radiometric anomaly at a project area called Itigi, approximately 50 km west of Manyoni. The anomaly extends over 40 km long and 10 km wide and in their 29 January 2010 release, UNX stated the following:

“This is the most intensive and extensive radiometric anomaly identified by Uranex during its years of exploration in the Manyoni and Bahi region. Given its very favourable location, with road and rail access to the Manyoni project area, it has the potential to substantially enhance the development opportunity in the region.”

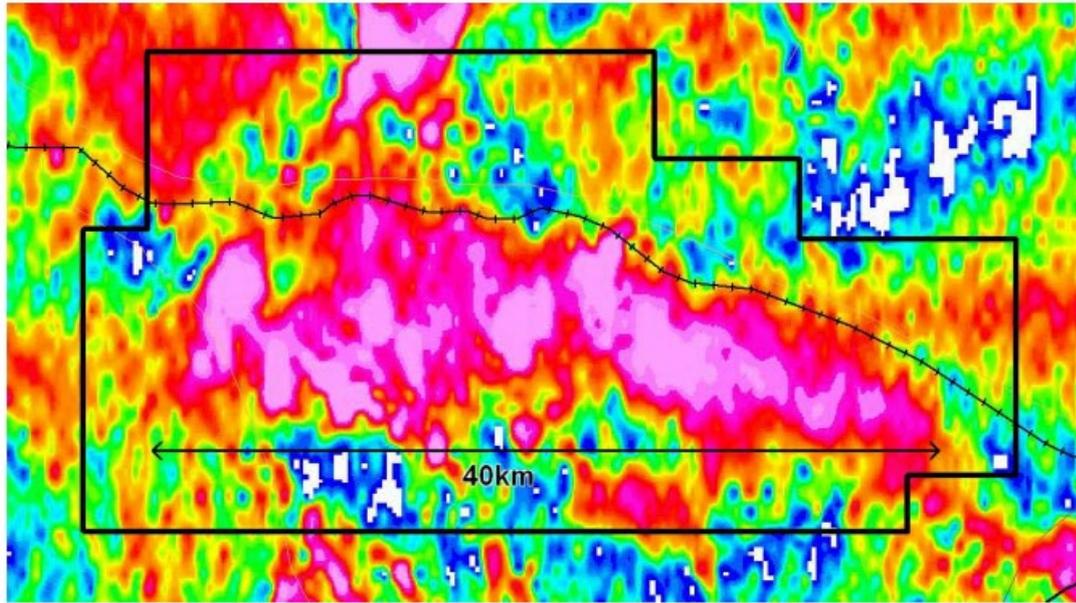


Figure 4 – Radiometric anomaly at Itigi (See UNX release to ASX 29 January 2010)

UNX identified several high priority target areas at Itigi but, due to a focus on other activities, did not pursue these targets. AuKing holds three (3) PL applications in the Itigi area and has now taken steps to secure grant of a PL over the main area of the Itigi radiometric anomaly. Assuming the PL is granted shortly, it is AuKing's intention to include drilling of the UNX priority targets as part of the current program.

Other project activities

Some members of AuKing's local exploration team commenced initial reconnaissance work and local stakeholder meetings in the region of the Mkuju project. Heavy rainfall led to that activity being postponed for a few weeks. That team has since moved west to the Mpanda copper project to commence initial survey and preparatory work in that area, prior to more detailed exploration activities in the next few months.

This announcement has been authorised by Paul Williams, CEO, AuKing Mining Limited.

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About AuKing Mining

AuKing Mining (ASX:AKN) is a mining exploration company focused on uranium, copper and zinc projects in both Tanzania and Australia.

Our flagship Koongie Park Copper Zinc Project in Western Australia’s Halls Creek Region hosts a JORC resource and is neighboured by several significant mining and development operations including Nicholson’s Gold Mine, Panton PGM Project, and Savannah Nickel Mine. Koongie Park has already been the subject of significant exploration drilling and analysis since the 1970’s, hosting over 300 RC and diamond drill holes consisting of more than 60,000m of drilling in total. The focus of activities at Koongie Park is the completion of a Scoping Study on a proposal to commence mining operations around a central processing facility at Sandiego. This Study is due for release shortly.

In January 2023, AuKing acquired several uranium and copper licences in Tanzania including:

Mkuju – near to the world class Nyota uranium project in southern Tanzania; the subject of significant previous exploration

Manyoni/Itigi – the subject of significant historical exploration situated in central Tanzania, just west of Dodoma

Mpanda/Karema – prospective copper areas in western Tanzania that were the subject of historic mining operations but largely untouched by modern exploration methods.

For further information
www.aukingmining.com

