

## UPDATED ANNOUNCEMENT - EXPLORATION PROGRAM PROGRESSING AT MINJINGU AND MIKUJU

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### HIGHLIGHTS

- Ground radiometric survey (of 1,971.6 line kilometres) completed at 296.9km<sup>2</sup> Minjingu Uranium Project in northern Tanzania.
- Survey delineates a zone of 7.5km by 2.5km within which there are discrete areas of radiometric anomalism.
- Plan to ground truth the anomalies with a view to including new targets in the upcoming drill program
- Memorandum of Understanding (MOU) executed to facilitate sampling of stockpiles on adjoining Minjingu Phosphate Mining License
- Awaiting assay results from ALS Johannesburg on selected samples from 2 completed drill holes and final regulatory approvals to accelerate exploration programs at Minjingu and its flagship Mkuju Uranium project.

Gladiator Resources Ltd (ASX: GLA) (**Gladiator** or the **Company**) is pleased to report that its wholly owned subsidiary (subject to final regulatory approvals) Zeus Resources (T) Limited (**Zeus**) has substantially progressed activity at its Minjingu Uranium Project located in Northern Tanzania and is now well positioned to accelerate the program once final regulatory approvals are obtained and its acquisition of Zeus becomes unconditional.

#### Gladiator Resources Chairman Ian Hastings commented:

*“The Company has now completed radiometric ground survey at its Minjingu Uranium Project in the North of Tanzania with very positive results and has identified areas of radiometric anomalism for further investigation. These will be ground truthed by geological mapping and pit sampling and potentially incorporated into a planned expanded drill program ([ASX:GLA 24 January 2022](#)) expected to commence shortly. Zeus has also executed an MOU with the owners of the adjoining Mining License which will facilitate the sampling of stockpiles. All of these initiatives should bolster the Minjingu Project substantially.”*

#### Minjingu – (Uranium, Phosphate) 100% Gladiator

The Minjingu Uranium and Phosphate Project covers a total area of 296.9km<sup>2</sup> and is located in Northern Tanzania, 106km southwest of Arusha the main administrative city in the area and 520km northwest of Dar es salaam. The Minjingu Project area possesses solid infrastructure such as quality tarmac roads, power lines, airport services via both Arusha and Kilimanjaro International airports and ample water resources.

As previously reported ([ASX:GLA 24 January 2022](#)) the planned maiden Reverse Circulation (RC) drilling program at Minjingu which was designed to evaluate historical intercepts (reported by Montero Mining and Exploration Ltd: ((TSX.V: MON)) in 2007) encountered difficult ground conditions necessitating a change from RC to Aircore drilling causing some delay. This provided an opportunity to complete the ground radiometric survey which has now been completed with encouraging results. The Company completed the 1,971.6 line kilometre survey along east-west oriented 100m spaced lines collecting a total (non-spectral) dose reading every 10 seconds using a GF Instruments (Gamma Surveyor). The results are illustrated in figure 1 and identify discrete anomalous zones within a larger 7.5km by 2.5km area of elevated dose. The discrete anomalies are up to 4-5 km in length and seem to surround the Minjingu phosphate Mine Lease where uranium mineralisation is known to occur.

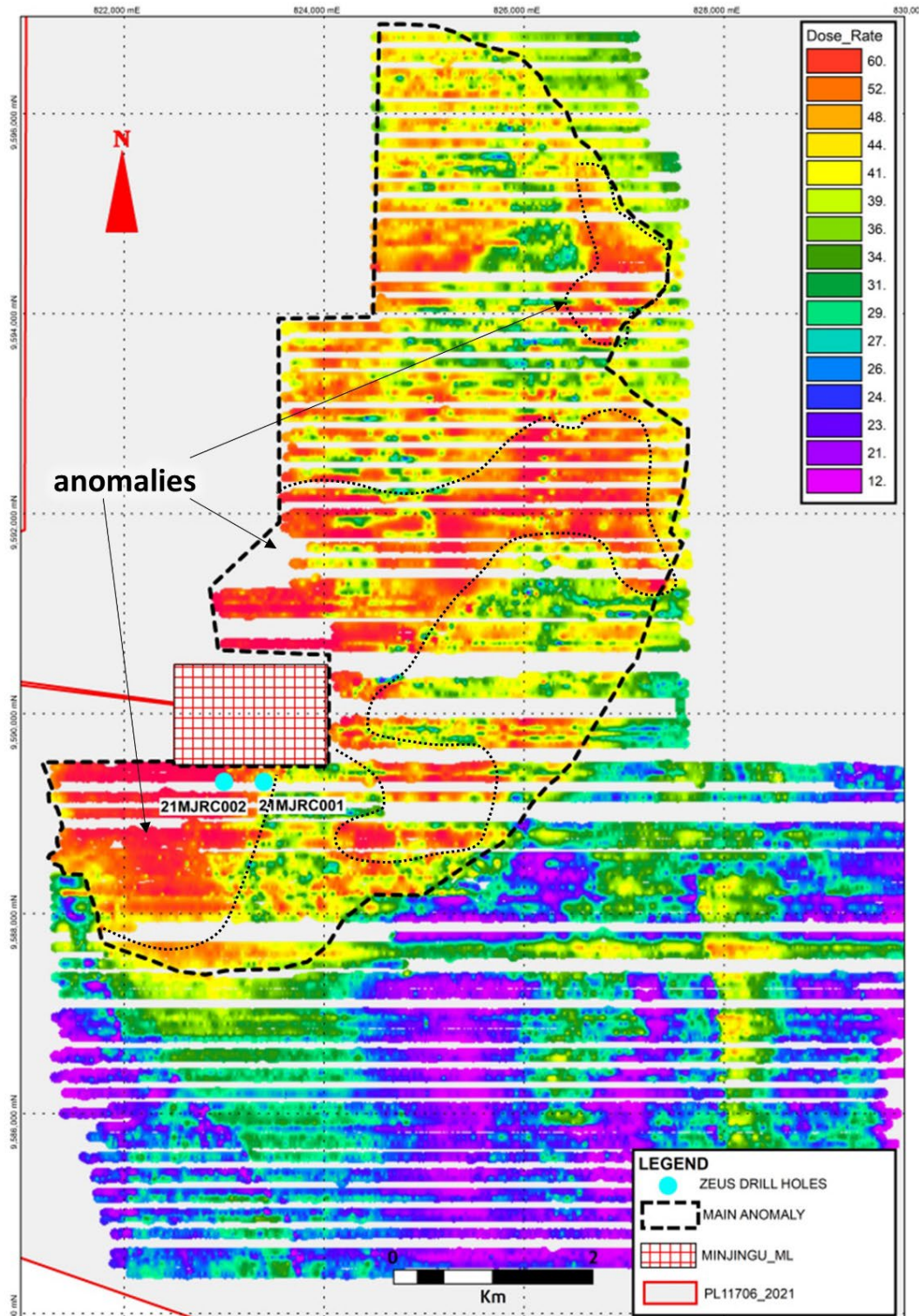


Figure 1 - The new Minjingu ground radiometric data.

The priority holes drilled being 21MJRC001 and 21MJRC002 are shown on figure 1 with samples dispatched to ALS Johannesburg) for analysis.

The Company has also finalised an MOU and completed discussions with Minjingu Mines and Fertilizer Limited (**MMFL**) who hold the adjoining Mining License on which it has actively mined Phosphate for many years. Under the terms of the MOU the companies will work together to identify mutual opportunities including the testing of historical stockpiles on MMFL's license for Uranium which is expected to bolster the opportunity at Minjingu.

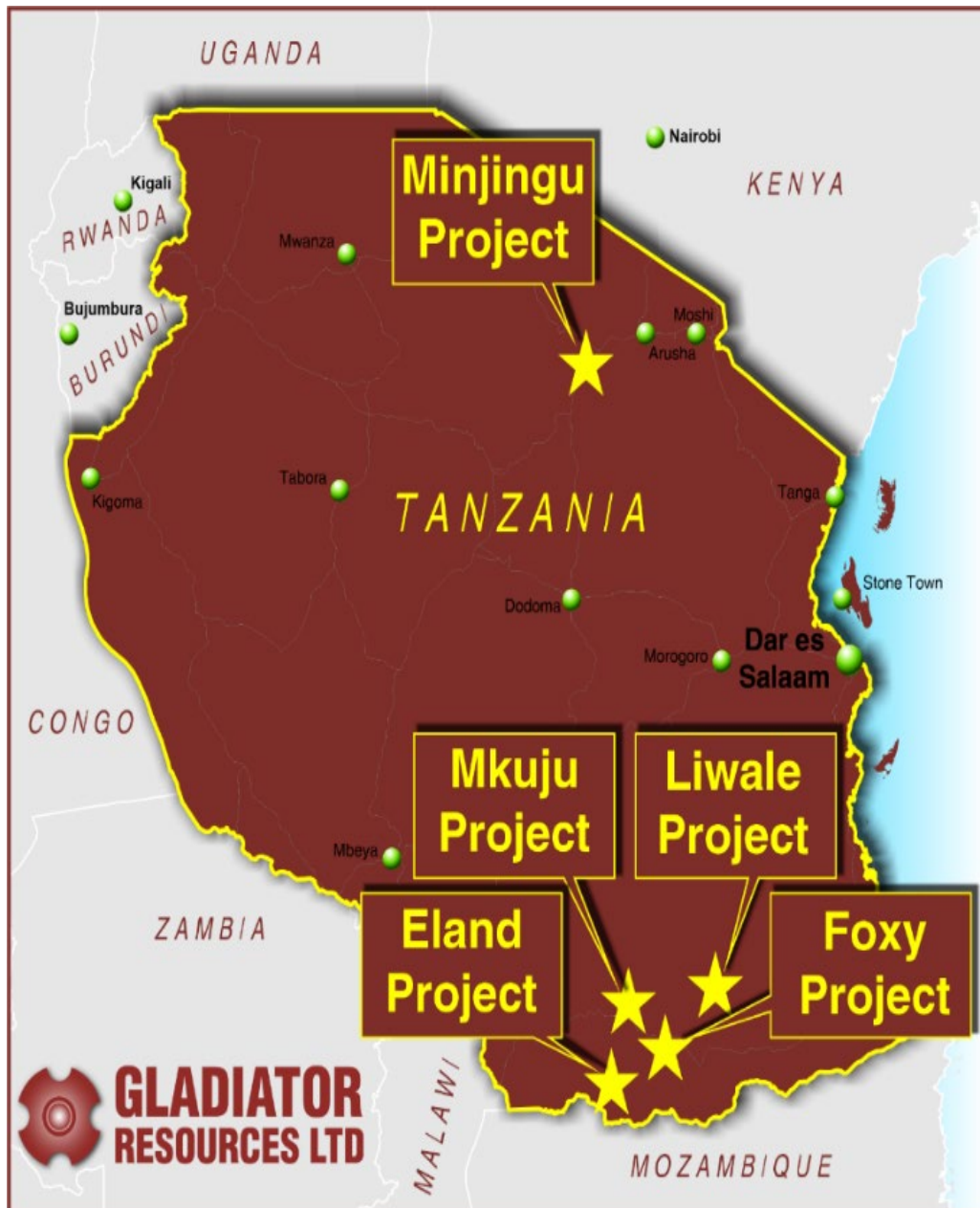


Figure 2 - Gladiator Project locations in Tanzania

### Regulatory approvals still pending

The Company's acquisition of Zeus remains conditional on the granting of all necessary regulatory approvals by the Tanzanian Government and the Company is awaiting final approval by the Fair Competition Commission which is expected to be granted shortly. Until received and the Company's acquisition of Zeus is completed, the Company is assisting Zeus financially by way of a secured loan to undertake works at Minjingu in the North and to finalise planning for its principal project at Mkuju in the South, expected to commence at the end of the wet season. The Company has already appointed three directors to the Zeus board and will increase its direct involvement once final approvals are received and the acquisition completes with an expected focus over the balance of 2022 on the Mkuju Uranium project in Southern Tanzania.

**-ENDS-**

Released with the authority of the Board.

For further information please visit: [www.gladiatorresources.net](http://www.gladiatorresources.net)

**contact:**

**Ian Hastings**

Chairman

ian@tomiknominees.com.au

+61 408 581 022

**Andrew Draffin**

Company Secretary

adraffin@dwaccounting.com.au

+61 3 8611 5333

**Mark Flynn**

Investor Relations

mark.flynn@gladiatorresources.net

+61 416 068 733

**Competent Person's Statement**

Information in this "ASX Announcement" relating to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves has been compiled by Mr Andrew Pedley who is a member in good standing with the South African Council for Natural Scientific Professions (SACNASP). Mr Pedley is an Associate with the MSA Group of Johannesburg who are providing consulting services to Gladiator Resources Ltd. Mr Pedley has sufficient experience that is relevant to the types of deposits being explored for and qualifies as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code 2012 Edition). Mr Pedley consents to the inclusion in this document of the matters based on the information in the form and context in which it appears. Mr Pedley does not currently hold any securities in the company, either directly or indirectly.

**About Gladiator Resources**

Gladiator is an ASX listed (ASX: GLA) exploration and mining company with a focus on gold and uranium.

The Company was recently granted seven exploration licenses covering over 1,764km<sup>2</sup> of highly prospective exploration tenements located in Tanzania, East Africa.

Gladiator also has three gold projects in Australia including Marymia located in Western Australia and Rutherglen and Bendoc which are each located in Victoria.

All the Company's projects are located in areas that have experienced significant exploration attention and investment whilst also recording highly encouraging results. Victoria, in particular, is currently experiencing a revival in exploration and production which is attracting significant investment attention both domestically and abroad. The Company's primary focus is to advance its current portfolio of projects whilst also evaluating other opportunities that are complimentary.

## JORC Code, 2012 Edition – Table 1

### Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>No physical samples were collected. The data is geophysical, collected using a handheld device whilst walking in the field.</li> <li>The position and dose were stored digitally and transferred to PCs daily using Gamma Surveyor Transfer software.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>No drilling activities were undertaken</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling activities were undertaken</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling activities were undertaken</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>No chemical assays were undertaken</li> </ul>

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>No chemical assay data is provided in this report.</li> <li>The dose data was collected using a handheld GF Instruments Gamma Surveyor. Radiometric dose (as opposed to counts per second)</li> <li>Dose measures the radiation exposure within an interval of time, measured in sieverts</li> <li>The Gamma surveyor was tested for stability by taking multiple readings at the same location, at the start of each day.</li> <li>No calibration was carried out, the raw dose value have not been converted to another unit.</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>No adjustments to collected and reported data have been undertaken.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>Location data was surveyed using a Garmin handheld unit with accuracies between 1-3m.</li> <li>The grid system used is Universal Transverse Mercator (ARC1960), Zone 36 Southern Hemisphere.</li> <li>Topographic control to date has used GPS data, which is adequate considering the low relief (&gt;50m) in the area.</li> </ul>
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>The survey was along 1,971.6 line km</li> <li>Dose measurements were stored every 10 seconds whilst walking with the Gamma Surveyor connected to a GPS to record the position.</li> <li>Lines were east-west and 100 m spaced</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable to the results of a radiometric survey</li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>No chemical assays were undertaken</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>No audits have been undertaken for this phase of work</li> </ul>

## Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>All results were undertaken on PL 11706 (Minjingu Project) which is held by Zeus Resources (Tanzania) Limited (100%).</li> <li>There are no other known impediments pertaining to operating in the current licence.</li> </ul>
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>The Minjingu Deposit was discovered by New Consolidated Goldfields Ltd (NCG) in 1956 who explored Minjingu for Phosphate. Japan Consulting Institute and Geomin, carried out further studies in 1970 and in the same year Kloeckner Industrieanlagen carried out a feasibility study on the phosphate deposit. The phosphate mine was ultimately operated by the state until 1989-1990.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>• During the period 1978 to 1981, Uranerzbergbau GMBH carried out ground examination of about 110 radiometric anomalies identified by the airborne survey (Bianconi, 1987) in joint venture with the Tanzanian government and the United Nations as part of a uranium evaluation program. The work resulted in the identification of many uranium occurrences and prospects throughout Tanzania, including the identification of anomalous uranium values in the Minjingu phosphate deposit ranging from 11 to 849 ppm U<sub>3</sub>O<sub>8</sub> (Bianconi, et al, 1978; Ingovatov, et al, 1982). Uranerzbergbau carried out reconnaissance mapping, ground radiometrics, ground magnetics, ground electromagnetics, with limited auger drilling</li> <li>• In 2005 Tanganyika Uranium Corp and later, East African Resources (2010) have also conducted uranium exploration in the PL11706 licence area.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>• <i>Deposit type, geological setting and style of mineralisation.</i></li> </ul>	<ul style="list-style-type: none"> <li>• The regional geology of the Minjingu Hill area is dominated by the East African Rift Valley (EAR), which extends approximately 5000km from the from the junction of the Red Sea and Gulf of Aden to Mozambique. The EAR is a complex fracture zone with anastomising fault systems which came into existence during the Mesozoic era was very active during the Cenozoic (Miocene and Pleistocene) and is still active today. Volcanic activity and associated rifting is more prevalent in the northern sector (Kenya, Ethiopia and Northern Tanzania) and has been ongoing since the Tertiary. The present-day rift valley depression, which extends from Lake Natron south past Lake Manyara was created by a major episode of faulting and is referred to by MacIntyre <i>et al</i> (1974) as being the surface expression of the major Manyara–Natron Fault. Macintyre <i>et al</i> (1974) also state that the Tanzania sector of the EAR is not a classic graben, as in Kenya to the north, and is bounded on its eastern side only by minor faults or down-warping. This area of the EAR is known as the “Gregory” rift valley and in this area of Tanzania is formed by a westerly tilted block, bound to the west by the Manyara–Natron Fault which forms the Manyara Escarpment and bound to the east by a series of normal faults with down throw to the east. The Manyara–Natron Fault and Manyara Escarpment define the EAR system to the west. To the east of the Manyara–Natron Fault are the continuous plains of the Masai Steppe. Locally, the geology of the licence area comprises undifferentiated Neogene lake beds from the Lake Manyara Formation. Minjingu Hill and also the Mbulu Highlands to the west, outside of the licence area are assigned to the Usagaran; a Precambrian unit comprising igneous and metamorphic lithologies such as granitoids, banded gneisses, amphibolites quartzites and metagabbros. The only outcrops observed in the licence area are those of quartzite and amphibolite on Minjingu Hill.</li> </ul>

Criteria	JORC Code explanation	Commentary
Drill hole Information	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in meters) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling activities were undertaken</li> </ul>
Data aggregation methods	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling activities were undertaken</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').</li> </ul>	<ul style="list-style-type: none"> <li>No drilling activities were undertaken</li> </ul>
Diagrams	<ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to the main body of this report.</li> </ul>
Balanced reporting	<ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>	<ul style="list-style-type: none"> <li>All results of significance have been reported within this ASX report</li> </ul>
Other substantive exploration data	<ul style="list-style-type: none"> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	<p>The phosphate mineralisation at Minjingu was discovered by New Consolidated Goldfields Ltd (NCG) in 1956.</p> <p>Japan Consulting Institute and Geomin then carried out further studies in 1970 and in the same year Kloeckner Industrieanlagen completed a feasibility study to determine the potential economics of exploiting the phosphate ore. The phosphate mine was ultimately commissioned by the government in 1989.</p> <ul style="list-style-type: none"> <li>Uranerzbergbau GmbH (Uranerzbergbau) first investigated the uranium potential of the area in 1978 and carried out an airborne geophysical survey to investigate this further. A report dated 12 March 1979, written by Uranerzbergbau, details the geology, radiometry and uranium content of the Minjingu Phosphate prospect. Grab samples were collected from the two types of phosphate identified by NCG (hard and soft). Although values of over 800 ppm U308 were recorded from both the hard and soft phosphate, Uranerzbergbau reported that the soft phosphate was the most promising host as only in this were the values</li> </ul>



Criteria	JORC Code explanation	Commentary
		<p>continuous over several metres (the highest composited value reported being 728 ppm U308 over 1.10 m). Although the base of the soft phosphate interval was not exposed, Uranerzbergbau projected this to have a total thickness of 40 m.</p> <ul style="list-style-type: none"> <li>Tanganyika Uranium Corp (2008) and later East Africa Resources (2012) conducted further exploration in the region.</li> </ul>
<i>Further work</i>	<ul style="list-style-type: none"> <li><i>The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>The radiometric anomalies require ground truthing, to attempt to explain the source of the anomalism. Pitting and sampling guided by sintollometer will be carried out.</li> <li>A number of targets have been identified and a maiden RC drilling program started but was stopped due to drilling difficulties. Samples that were collected were submitted for chemical analysis and are expected to be reported soon.</li> <li>To replace the RC drilling, an aircore program is planned to commence soon. The radiometric anomalies will be used to identify additional targets.</li> </ul>