

ASX Release 23rd May 2024

Centurion Project (100% BUX) - Exploration Update

- Buxton's 100% owned Centurion Project proximate to WA1 Resources West Arunta Project readies for exploration activity
- Geophysical surveys identify an Olympic Dam-style IOCG anomaly for testing

Buxton Resources Ltd ('Buxton'; ASX:BUX) has Buxton Resources (ASX:BUX) is pleased to announce that planning is underway for the commencement of field activity at the company's 100%-owned Centurion Project which is located to the northwest of WA1 Resources' (ASX: WA1) Luni and Pachpadra Niobium (Nb)-Rare Earths Element (REE) discoveries in the West Arunta region of Western Australia (Figure 1).

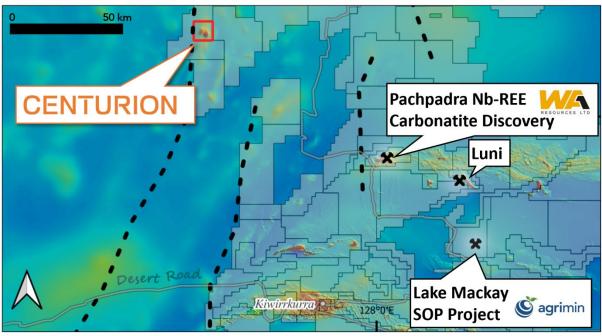


Figure 1: Map depicting Centurion Project location in relation to WA1 Resources' recent Nb-REE discoveries in the West Arunta region.

The large geophysical anomaly at the Centurion Project remains untested (Figure 2). Future exploration programs (Figure 3) will examine the potential for the project to host either Iron-Oxide Copper-Gold similar to the super giant Olympic Dam deposit, or Nb-REE mineralisation similar to that which has been identified by WA1 at their West Arunta Project.



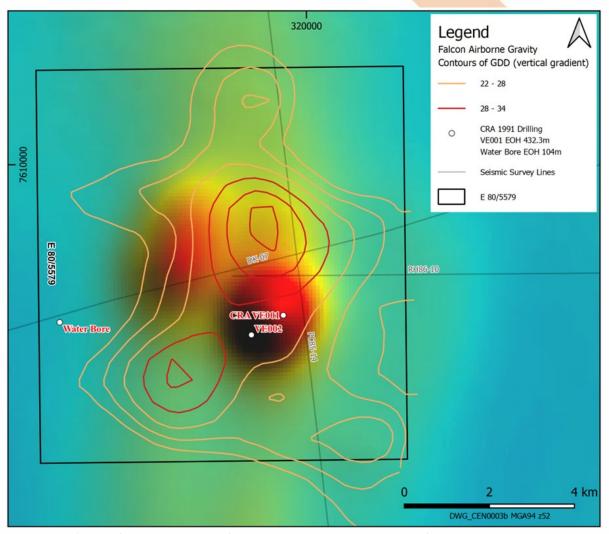


Figure 2: Falcon airborne gravity gradiometery contours superimposed on GSWA magnetic imagery. CRA's VE001 is also shown, along with the planned VE002 drillhole. Historic seismic lines are shown, line RH86-10 provides access to the Kwirrikurra-Balgo track.

All necessary Heritage Agreements are in place to allow for the re-establishment of access into the project, including Mining Entry Permits from the Aboriginal Lands Trust. Buxton has recently presented works programs to the Parna Ngururrpa board of directors meeting in Halls Creek. Program of Works applications are presently with DEMIRS to allow for commencement of earthworks and related aboriginal monitoring activities and provide access to the EL this field season.

Buxton has also received Exploration Incentive Scheme grants up to \$220,000 to offset the cost of drill testing the target.

Buxton looks forward to updating shareholders on progress at this exciting project.



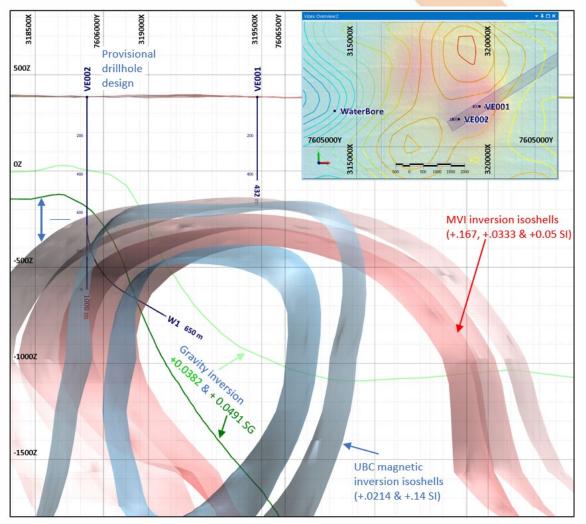


Figure 3: Cross section looking NW through inversion isoshells with CRA's hole VE001 and the provisionally planned VE002 (1000m vertical & a 650m wedge).

---000---

This announcement is authorised by the Board of Buxton Resources Ltd.

For further information, please contact:

Martin Moloney
Chief Executive Officer
marty@buxtonresources.com.au

Sam Wright
Company Secretary
sam@buxtonresources.com.au



About the Centurion Project

The Centurion Project consists of a single EL covering ~80 km2 located in the Great Sandy Desert between Kiwirrkurra and Balgo. The EL covers a prominent dipolar and offset magnetic and gravity anomaly pattern which is characteristic of Iron Oxide Copper Gold (IOCG) deposits such as Olympic Dam and Prominent Hill.

The principal target is defined by magnetic & gravity anomaly 3,500 m by 5,000 m in extent and 1500 nanoTesla magnetic and 10.1 milligal gravity in amplitude.

Although little is known of the pre-Canning geology, the Centurion Project is situated in an excellent regional structural setting.

Magnetic data indicates that the target is located between 520 - 700 metres beneath ground level under post mineral cover sequences of the Canning Basin.

A previous drillhole by CRA in 1993 encountered drilling difficulties and was terminated at 432.30 m and failed to reach basement. The geological logs noted chlorite-pyrite altered clasts in a boulder conglomerate assigned to the Permian Grant Formation toward the end of the hole. This observation provides strong encouragement that the geophysical response may be related to a hydrothermal system, and that the basement interface may not be far below the base of that hole.

Buxton has entered in Heritage Protection Agreements with the Ngurra Kayanta and Parna Ngururrpa Aboriginal Corporations. Provision for Buxton personnel and contractors to pass through lands of the Kiwirrkurra People is provided by a third access agreement. Buxton has also received permits from the Aboriginal Lands Trust to complete statutory requirements to access the Project.



Cautionary Note Regarding Forward-Looking Information

This Announcement contains forward-looking statements and forward-looking information within the meaning of applicable Australian securities laws, which are based on expectations, estimates and projections as of the date of publication. This forward-looking information includes, or may be based upon, without limitation, estimates, forecasts and statements as to management's expectations with respect to, among other things, the timing required to execute the Company's programs, and the length of time required to obtain permits, certifications and approvals.

Wherever possible, words such as "anticipate", "believe", "expect", "intend", "should", "intend", "may" and similar expressions have been used to identify such forward-looking information. Forwardlooking information is based on the opinions and estimates of management at the date the information is given, and on information available to management at such time. Forward-looking information involves significant risks, uncertainties, assumptions, and other factors that could cause actual results, performance or achievements to differ materially from the results discussed or implied in the forward-looking information. These factors, including, but not limited to, fluctuations in currency markets, fluctuations in commodity prices, the ability of the Company to access sufficient capital on favourable terms or at all, changes in national and local government legislation, taxation, controls, regulations, political or economic developments in Australia or other countries in which the Company does business or may carry on business in the future, operational or technical difficulties in connection with exploration or development activities, employee relations, the speculative nature of mineral exploration and development, obtaining necessary licenses and permits, contests over title to properties, especially title to undeveloped properties, the inherent risks involved in the exploration and development of mineral properties, the uncertainties involved in interpreting drill results and other geological data, environmental hazards, industrial accidents, limitations of insurance coverage and the possibility of project cost overruns or unanticipated costs and expenses, and should be considered carefully.

Many of these uncertainties and contingencies can affect the Company's actual results and could cause actual results to differ materially from those expressed or implied in any forward-looking statements made by, or on behalf of, the Company. Prospective investors should not place undue reliance on any forward-looking information. Although the forward-looking information contained on in this Announcement is based upon what management believes, or believed at the time, to be reasonable assumptions, the Company cannot assure prospective purchasers that actual results will be consistent with such forward-looking information, as there may be other factors that cause results not to be as anticipated, estimated or intended, and neither the Company nor any other person assumes responsibility for the accuracy and completeness of any such forward-looking information.

The Company does not undertake, and assumes no obligation, to update or revise any such forward-looking statements or forward-looking information contained herein to reflect new events or circumstances, except as may be required by law. No stock exchange, regulation services provider, securities commission or other regulatory authority has approved or disapproved the information contained in this Announcement.