

HIGHLIGHTS

Yanrey Uranium Project

- Program of Works application lodged with WA Department of Mines to undertake drilling and associated exploration activities; targeting uranium mineralisation and potential mineralisation of other commodities including vanadium, rare earths, nickel and copper – approval pending.
- Review of historical records and geophysical data has highlighted potential for carbonatites in the southern part of the Yanrey Project area with potential for similar occurrences at other locations in the Project area. Carbonatites are a potential source of rare earth elements and copper. Cauldron's interpretation does not exclude the possibility of mafic Ni-Cu-PGE intrusions occurring along a major crustal fault that transects the Project area in a North-South direction. Geophysics consultants have been engaged to undertake reprocessing of regional AEM line data to further refine and identify new targets, with initial results expected soon. A field trip is planned to map and sample target areas.

WA Sands Project

- Internal review has identified the potential value of the Company's sands tenements and the strategic importance of its Onslow tenements in a region undergoing significant development.
- The review has involved meeting with various companies, state and local government bodies, native title groups, local business operators and participants in the bulk sand export market.
- The Company has engaged a consultant with significant experience in sand operations to advise and assist.

Blackwood Gold Project

- PAC Partners have been engaged to seek offers for purchase following the decision by the Company's Board to exit the project.
- Several parties have registered interest and are currently undertaking assessment.
- The rise in the gold price and opportunities for consolidation of the Victorian gold industry is driving interest.

New Project Opportunities

- The Company is currently reviewing a range of critical minerals project opportunities both in Australia and overseas, predominantly involving uranium, copper, lithium, high purity silica sands and other critical minerals consistent with the Company's strategy of being part of the global decarbonization movement.
- Cauldron remains vigilant to new project opportunities that fit the Company's investment strategy, complement the Company's project portfolio, are value accretive and have the potential to provide early cash flow.

Corporate

- In March 2023, Mr Angelo Socio was appointed Exploration Manager.
- In January 2023, the Company appointed PAC Partners Securities Pty Ltd as strategic adviser with respect to the divestment of the Blackwood Gold Project.

Cash Position

- As at 31 March 2023, Cauldron had \$1.210 million cash at bank (31 December 2022: \$1.838M).
- The Company holds a portfolio of shares in other ASX listed entities valued at approximately \$0.325 million as at the date of this report.

Cauldron Energy Ltd (**Cauldron** or the **Company**) is pleased to present its Quarterly Activities Report for the period ended 31 March 2023.

EXPLORATION ACTIVITIES: AUSTRALIA

In Australia, Cauldron's primary focus is its Yanrey Project (**Yanrey**) consisting of 12 granted exploration licences for a total project area of 1,270 km² in Western Australia. Yanrey is prospective for large sedimentary-hosted uranium deposits and is host to the Bennet Well Uranium Deposit (**Bennet Well**).

In addition, Cauldron has 100% ownership interest in a number of river sand leases located at the mouths of the Gascoyne (Carnarvon), Ashburton (Onslow) and Fitzroy (Derby) rivers in Western Australia, collectively covering an area of about 286 km².

Lastly, Cauldron owns a 51% joint venture interest in the Blackwood Gold Project located south-east of Daylesford, in the highly prospective Central Victorian Goldfields that surround Ballarat and Bendigo.

During the quarter, the Company was largely focussed on the review of new project opportunities.

YANREY PROJECT

The Yanrey Project comprises a collection of 12 exploration tenements in northwest Western Australia (**Figure 1**) and is regionally prospective for large sedimentary-hosted uranium deposit systems that are amenable to mining by the In Situ Recovery (ISR) technique. The uranium mineralisation within the Yanrey Project typically occurs in unconsolidated sands (less than 100m depth) in Cretaceous sedimentary units of the North Carnarvon Basin.

The Yanrey Uranium Project is host to the Bennett Well Uranium Deposit which comprises four spatially separate deposits; namely Bennet Well East, Bennet Well Central, Bennet Well South and Bennet Well Channel (**Figures 2 and Figure 3**).

A Mineral Resource (JORC 2012) for the Bennet Well deposit was completed by Ravensgate Mining Industry Consultants (Ravensgate) in 2015.

At a 150 ppm eU₃O₈ cut-off the Bennett Well JORC 2012 Mineral Resource Estimate is:

Inferred: 16.9 Mt @ 335 ppm eU₃O₈ for 12.5 Mlb (5,670 t) contained uranium oxide

Indicated: 21.9 Mt @ 375 ppm eU₃O₈ for 18.1 Mlb (8,230 t) contained uranium oxide

TOTAL: 38.9 Mt @ 360 ppm eU₃O₈ for 30.9 Mlb (13,900 t) contained uranium oxide

Historical work performed by Cauldron reinforces the Yanrey region as an emerging uranium province, containing potentially significant, as-yet undiscovered, economic uranium resources.

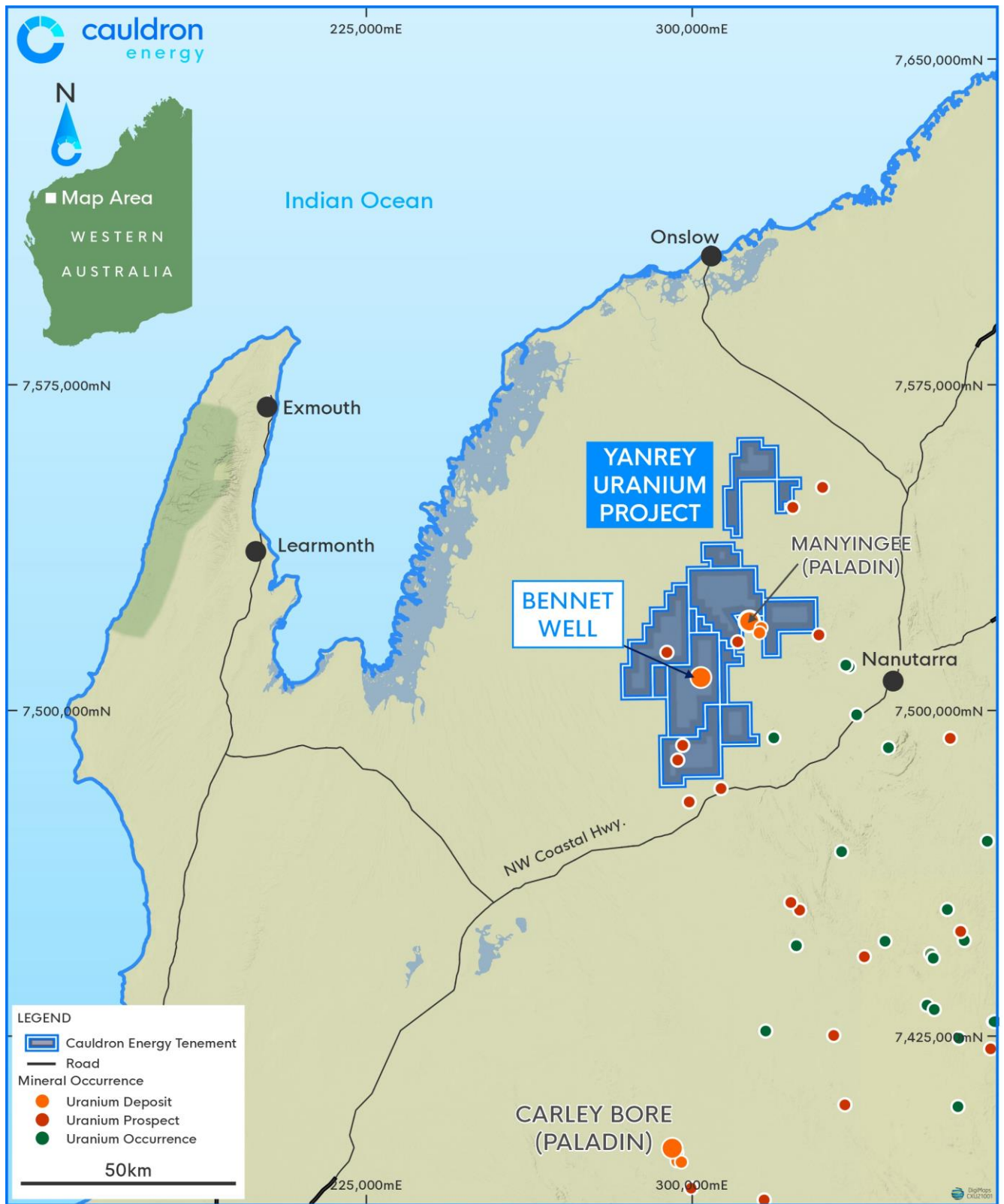


Figure 1: Yanrey Uranium Project Location (Western Australia)

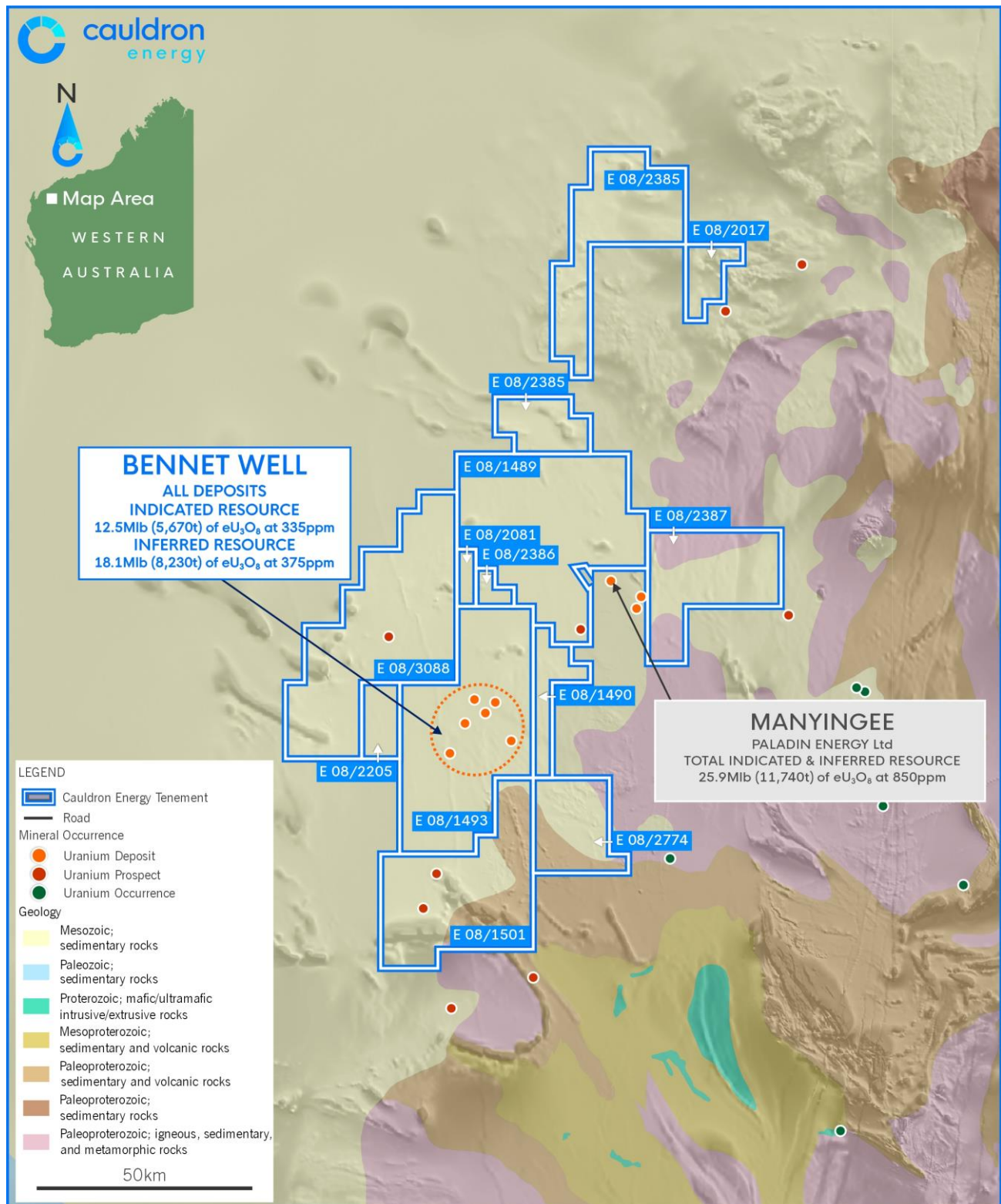


Figure 2 – Location map of the Yanrey Uranium Project and Bennet Well Uranium Deposit

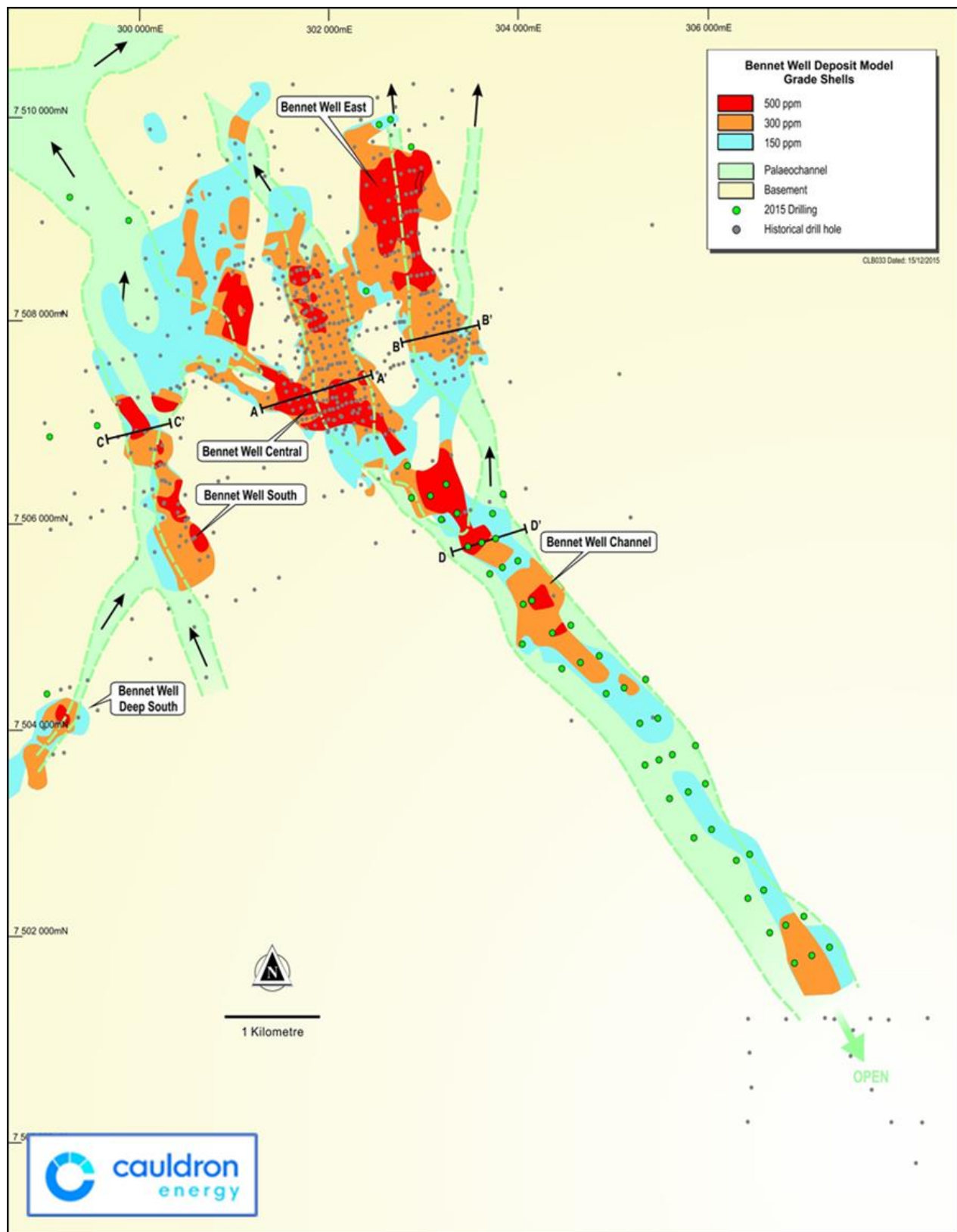


Figure 3 – Bennet Well Uranium Deposit and spatial distribution of U_3O_8 domains.

Work Completed During Reporting Period – Yanrey Uranium Project

A Program of Works was lodged with WA Department of Mines that seeks to obtain permission to clear defined areas for drilling of high priority targets at the Bennett Well deposit. The focus of the program is to increase uranium resources and delineate vanadium occurrences as well as targeting other potential mineralisation such as rare earths, copper and nickel.

In addition, the Company is conducting a thorough review of historical records and geophysical data. So far, the review has highlighted potential for carbonatites in the southern part of the Yanrey project area, and similar occurrences at other locations through Project area. Carbonatites are a potential source of rare earth elements including copper.

Key areas have been selected for reprocessing of regional AEM line data by consulting geophysicists, with the aim to further refine existing targets and to identify new targets. The initial results of this work are expected soon. A field trip is currently planned to then map and sample target areas as follow-up.

No on-the-ground activities were conducted during the current quarter.

URANIUM PRICE INFORMATION

Uranium does not trade on an open market like other commodities. Buyers and sellers negotiate contracts privately. Prices are published by independent market consultants.

According to Trading Economics, the Uranium spot price is currently trading at the highest levels since 2011. Uranium finished the March 2023 quarter at US\$50.09/lb (31 December 2022: US\$48.88/lb) and has since firmed and is currently trading at circa US\$51/lb (Source: Trading Economics).

According to Trading Economics, the firming in the uranium spot price is as a result of:

“general uncertainty around continuity of gas supply and the scramble globally to shore up energy security”

Trading Economics reports that:

“Major nuclear energy producers US, France, Japan, UK, and Canada, agreed to form an alliance to leverage resources and jointly shun Russian producers from the global nuclear fuel market. The move is expected to add pressure to the capacity of Western uranium enrichers and converters as Russian enrichers supplied nearly 40% of the global market until the country invaded Ukraine. At the same time, Finland and Japan both announced the restart of key power plants, further adding to demand estimates for nuclear fuel. On the supply side, the world's top producer Kazatomprom stated its output is set to fall this year due to continued delays of key materials.”

WA SANDS PROJECT

Cauldron has a 100% ownership interest in a number of river sand tenements over substantial portions of three of the largest river systems crossing the coast in central to northern Western Australia, covering the mouths of the Fitzroy River at Derby, the Ashburton River at Onslow and the Gascoyne River at Carnarvon, with each prospective for sand suitable for the construction and reclamation industries.

The Fitzroy, Ashburton River and Gascoyne rivers drain a huge area of granitic rocks commencing from their respective headwaters all the way to the project area, at the mouth of each river (refer to **Figure 4**).

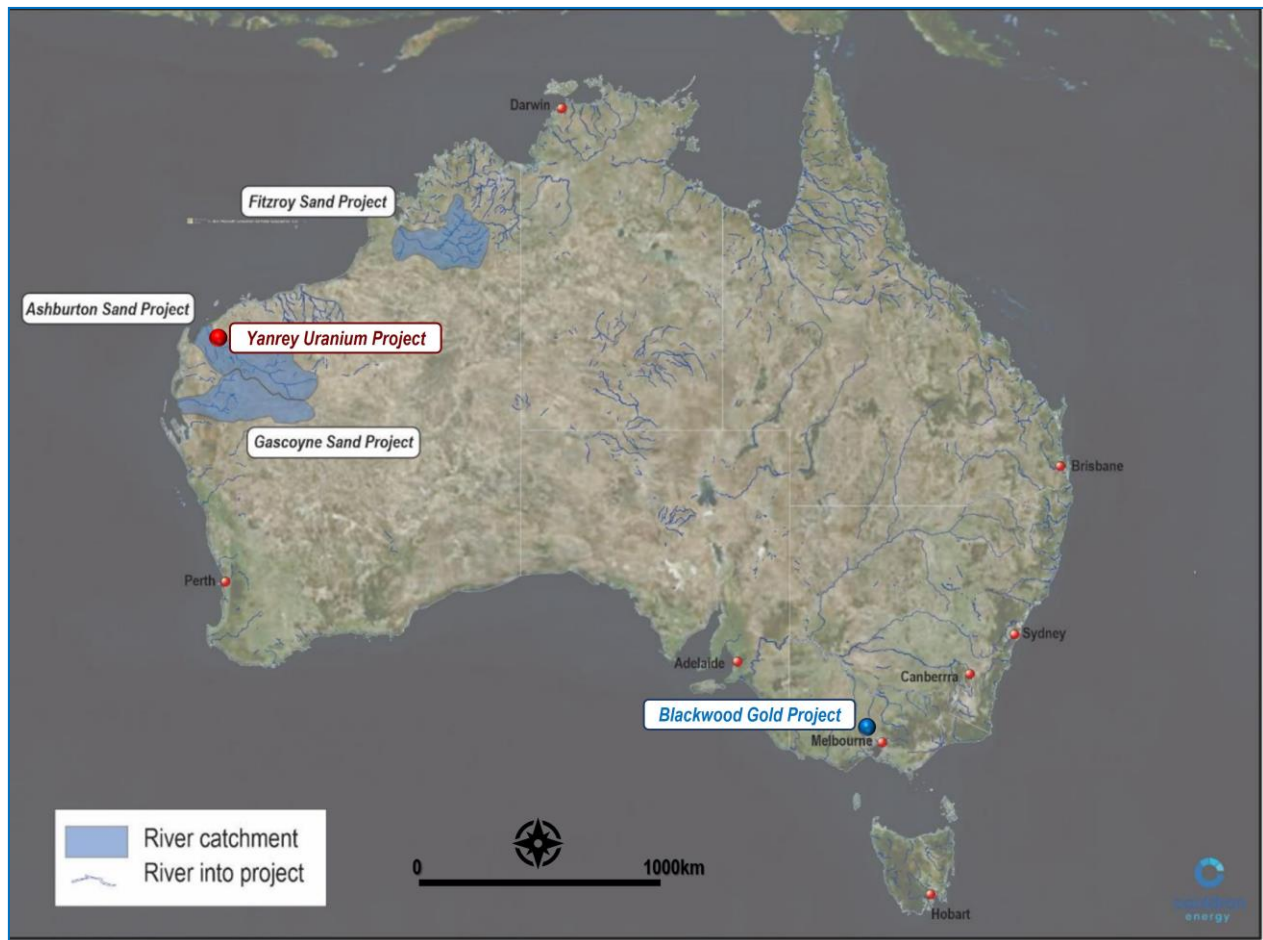


Figure 4: Cauldron River Sands Project – Catchment areas draining into each project area.

Each time there is a flooding event somewhere in the catchment area, sand is deposited into the project areas, replenishing the supply of sand and re-establishing the river mouth in its original condition. Some river mouths are being ‘swamped’ from flooding events, with excessive sand build-up preventing the use of high value infrastructure facilities, which adversely affect the economies of these regional economies. Harvesting of this material can therefore provide important benefits to local communities in addition to the significant revenue opportunities for the Company.

Sand is the most consumed natural resource on the planet besides water and by far the largest globally mined commodity. It is estimated that over 50 billion tonnes of aggregate (sand and gravel) are consumed annually.

Cauldron expects to benefit from its ‘first mover status’ by having early participation in a global growth industry. There is significant pressure on existing sources of sand supply, with exhaustion of many sources (which do not regenerate naturally at the same pace for example as River Sand),

or such sources being in areas which are no longer suitable for extraction due to environmental concerns. Cauldron's WA sand tenements present a major new potential source of sustainable sand supply for global markets, and a stockpile of already mined material capable of near term supply is already available on one of the tenements.

Acquisition Status

Completion of the administrative requirements for the acquisition of the licences is ongoing, with ownership of four of the eight licences, viz. EL08/2328, EL08/2329, EL08/2462 and L08/71, located at the mouth of the Ashburton River in Onslow, having been transferred to Cauldron (see **Figure 5**) below.

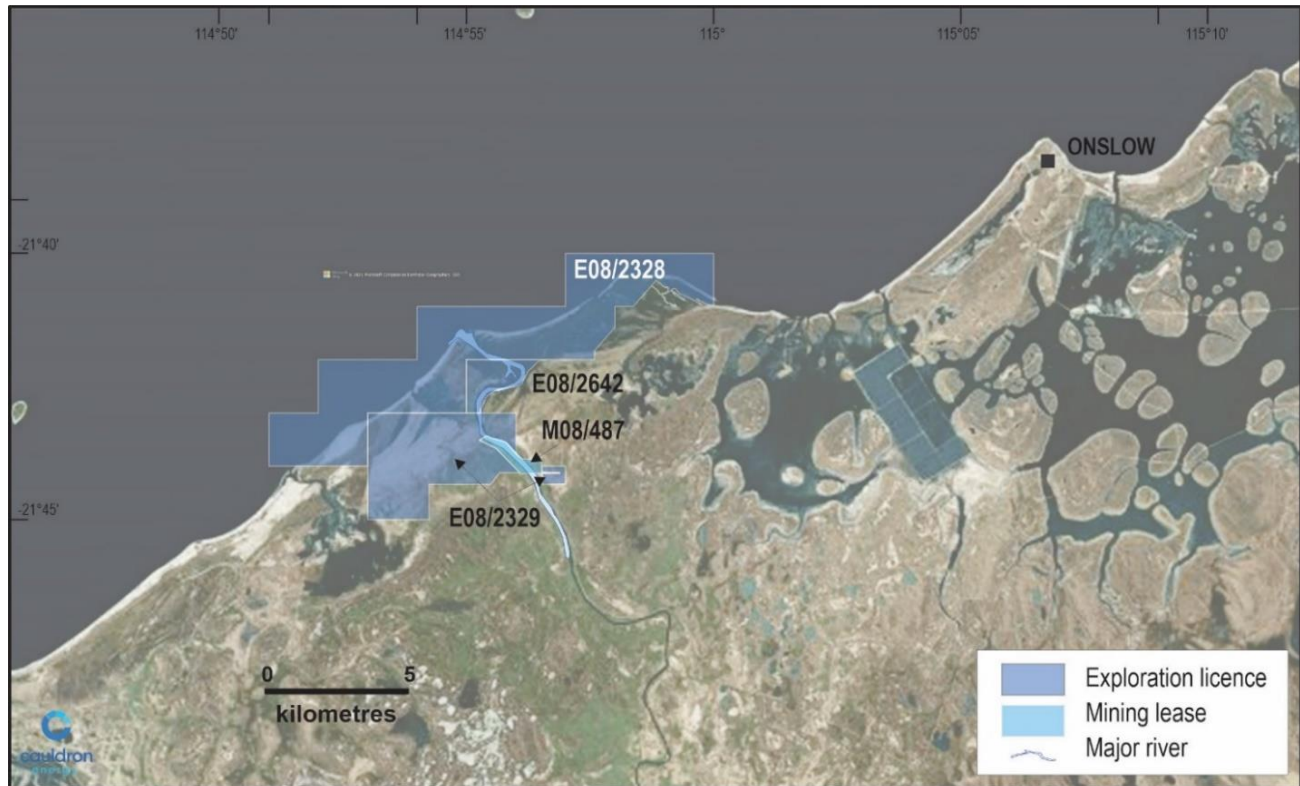


Figure 5: Ashburton River Sand Project – Mining Title (aerial photo underlay courtesy of Bing)

Work Completed During Reporting Period – WA Sands Uranium Project

During the quarter, the Company completed an internal strategic review of the Project which demonstrated the strategic importance and potential value of the Onslow tenements in a region undergoing significant development.

In addition, the Company received several expressions of interest for sand supply which it is currently working through.

Future Proposed Work Completed During Reporting Period – WA Sands Uranium Project

The focus will be on better understanding the bulk export sand market and exploring opportunities for involvement, as well as participation in the significant regional development occurring in and around Onslow.

BLACKWOOD GOLD PROJECT

From 1864 to 1960 the Blackwood Goldfield produced about 218,000 ounces of gold from orogenic gold sources (199,000 ounces) and from placer sources (19,000 ounces).¹ Gold was won from surface down to a depth of 100m below ground level, with very little mining activity below a depth of 150m. The Sultan mine is the deepest in the goldfield with production levels at 230m below ground surface and its shaft reaching 274 m, and still in payable gold.

For detailed information on the Blackwood Gold Project and historical work performed refer Company's previous ASX announcements.

Work Completed During Reporting Period

PAC Partners have been engaged to undertake a strategic review and to advise on divestment with the aim of maximising the return to shareholders – refer ASX announcement of 30 January 2023.

EXPLORATION COSTS (ALL PROJECTS) FOR THE QUARTER

In accordance with the requirements of ASX Listing Rule 5.3.1 the Company advises that during the quarter, the Company expended \$103k on exploration related items (including salaries). The major cost areas were tenement rents and rates: \$70k, salaries: \$13k, and miscellaneous items: \$20k.

CHANGES IN OWNERSHIP INTERESTS OF MINERAL TENEMENTS

In accordance with the requirements of ASX Listing Rule 5.3.3 the Company confirms that no tenements (including beneficial interests in tenements) were acquired, disposed or lapsed during the quarter.

SCHEDULE OF MINERAL TENEMENTS refer **Appendix A.**

CORPORATE

- In March 2023, Mr Angelo Socio was appointed Exploration Manager.
- In January 2023, the Company appointed PAC Partners Securities Pty Ltd as strategic adviser with respect to the divestment of the Blackwood Gold Project.

RELATED PARTY PAYMENT INFORMATION

In accordance with the requirements of ASX Listing Rule 5.3.5 the Company advises that during the quarter ended 31 March 2023 the Company paid a total of \$135k to directors and their related entities in respect of directors' fees (\$39k) and consulting fees (\$96k).

¹ **Source:** Report titled "The Gold Mines of Blackwood" prepared by Erik Norum, Consultant Geologist, August 2018

AUTHORISATION FOR RELEASE

This report has been authorised for release by the Company's Non-Executive Chairman, Ian Mulholland.

End

For further information, visit www.cauldronenergy.com.au or contact:

Jonathan Fisher

Chief Executive Officer Cauldron Energy Limited

M: +61 407 981 867

jonathan.fisher@cauldronenergy.com.au

Michael Fry

Director and Company Secretary
Cauldron Energy Limited

M: +61 417 996 454

michael.fry@cauldronenergy.com.au

Competent Persons Statements:

Exploration Results

The information in this report that relates to potential for uranium and other mineralisation including that of vanadium, rare earths, copper, nickel and PGE's, at the Yanrey Uranium Project is based on information compiled by Mr Angelo Socio, who is a Member of the Australian Institute of Geoscientists (AIG). Mr. Socio is the Exploration Manager of Cauldron Energy Limited. Mr. Socio has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify 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).

Mr. Socio consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Resource Statements

The information in this report that relates to Mineral Resources for the Bennett Well Deposit is extracted from a report released to the Australian Securities Exchange (ASX) on 17 December 2015 titled "Substantial Increase in Tonnes and Grade Confirms Bennet Well as Globally Significant ISR Project" and available to view at www.cauldronenergy.com.au and for which Competent Persons' consents were obtained. Each Competent Person's consent remains in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent.

The Company confirms that is not aware of any new information or data that materially affects the information included in the original ASX announcement released on 17 December 2015 and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the original ASX announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original ASX announcement.

Forward Looking Statements

This announcement may include forward-looking statements, based on Cauldron's expectations and beliefs concerning future events. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of Cauldron, which could cause actual results to differ materially from such statements. Cauldron makes no undertaking to subsequently update or revise the forward-looking statements made in this announcement, to reflect the circumstances or events after the date of the announcement.

APPENDIX A

Schedule of Tenements

Mining tenements held at 31 March 2023, including tenements acquired and disposed of during the quarter:

Tenement	Project	Tenement Holder	Acquired interest during the quarter	Disposed interest during the quarter	Interest at end of quarter
E08/1489	Yanrey	Cauldron Energy	-	-	100%
E08/1490			-	-	100%
E08/1493			-	-	100%
E08/1501			-	-	100%
E08/2017			-	-	100%
E08/2081			-	-	100%
E08/2205			-	-	100%
E08/2385			-	-	100%
E08/2386			-	-	100%
E08/2387			-	-	100%
E08/2774			-	-	100%
E08/3088			-	-	100%
E08/3520			-	-	100%
E08/3521			-	-	100%
E08/2328	Onslow	Cauldron Energy	-	-	100%
E08/2329		Cauldron Energy	-	-	100%
E08/2642		Cauldron Energy	-	-	100%
L08/71		Cauldron Energy	-	-	100%
M09/96		Cauldron Energy	-	-	100%
M08/487		Quarry Park	-	-	100%*
P08/798		Cauldron Energy	-	-	100%
P08/800		Cauldron Energy	-	-	100%
E09/2715	Carnarvon	Cauldron Energy	-	-	100%
M09/180		Onslow Resources	-	-	100%*
E04/2548	Derby	Rand Mining	-	-	100%*
EL 5479	Blackwood	Blackwood Gold JV	-	-	51%*

* Cauldron Energy beneficial interest