
EXPLORING AUSTRALIA'S DISCOVERY HOTSPOTS

Resources Rising Stars | Presentation

29 November 2022

ASX : DEV



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The information in this Presentation that relates to Exploration Results for the Nabarlek, Sovereign and Junee Projects are extracted from the ASX announcements titled:

- “High-Grade Uranium Confirmed at Nabarlek” released on 29 November 2022;
- “More Significant Uranium Intersected at Nabarlek” released on 19 October 2022;
- “High-Grade Uranium Intersected at Nabarlek” released on 9 August 2022;
- “Shallow intercepts continue to define gold zone at Junee” released on 5 August 2022;
- “Initial Assay Results Indicate Potential for Porphyry Copper-Gold System at Junee” released on 26 April 2022;
- “Further diamond drilling and initial assays confirm extensive, thick, and prospective intrusive sequence at Sovereign” released on 23 December 2021;
- “Initial diamond drilling at Sovereign intersects thick intrusive sequence with disseminated nickel-copper sulphides” released on 10 November 2021;
- “DevEx ramps-up exploration at Nabarlek Uranium Project, NT after identifying new high-grade targets” released on 29 September 2021;
- “Large-scale, 12km long mafic-ultramafic intrusion at Sovereign Project, paving way for ground EM and initial diamond drilling” released on 17 August 2021;
- “Technical review recognises strong similarities between U40 prospect and the Coronation Hill U-Au-PGE deposit” released on the 9 May 2019;
- “Large drill target defined below Nabarlek Uranium Mine, West Arnhem Project, NT” released on 9 October 2018;
- “UEQ Identifies High Grade Copper-Gold and Base Metal Potential at NT Uranium Prospects” released on the 4 October 2017; and
- “Higher Uranium Grades Returned from U40 Prospect – Nabarlek” released on the 16 December 2010;

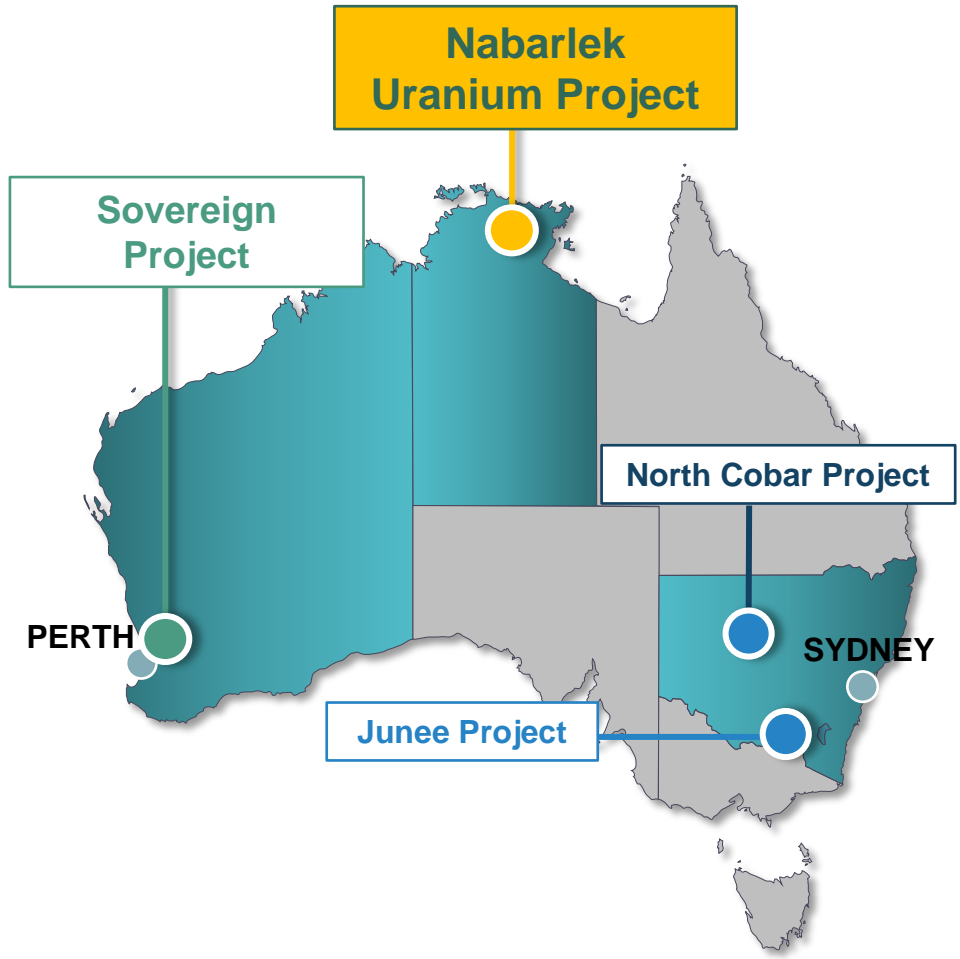
all of which are available on www.devexresources.com.au.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant original market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

□ **Exploration by Other Explorers**

This Presentation contains information sourced from the reports of Other Explorers. References to the original reports are provided as footnotes where the information is cited in this Presentation. The Company does not vouch for the accuracy of these reports. The Company has taken the decision to include this information as it is in the public domain and has assessed it to be of relevance to shareholders and investors.

Exploring Australia's discovery hot-spots



Alligator Rivers Uranium Province, NT

- **Nabarlek Project** – Targeting high-grade uranium and copper-gold, surrounding the historical Nabarlek Uranium Mine (**24 Mlbs @ 1.84% U₃O₈ produced**)
- *Unique* - One of very few ASX companies with high-grade uranium in Australia
- Multiple, shallow, near-mine, targets defined along strike from historic uranium intercepts. New uranium intercepts incl. **10.1m @ 1.1% U₃O₈**

Julimar Complex, WA

- Exciting exploration opportunity in the **emerging West Yilgarn Province**
- **Sovereign Project** – Exploring a 12km long differentiated mafic-ultramafic intrusion identified, consistent with upper portion of Julimar mafic-ultramafic intrusion

Lachlan Fold Belt, NSW

- **Junee Project** – located in Australia's porphyry copper-gold heartland
 - Large scale, shallow copper-gold intercepts broadening to the south
 - Drilling planned for early 2023
- **North Cobar Project** – Exploring the northern extension to the fault corridor hosting the Cobar Mining Centre (host to CSA Mine)

Corporate Overview



Capital Structure

Shares	366.1M
Options	14.5M
Market Cap	\$102.5M (at 28c ²)
Cash ¹	\$19.1M
Assets	entX Limited (4.6%) Patented technology to recover uranium from phosphate fertilizer ³

Major Shareholders

Tim Goyder (Chairman)	15.54%
Paradice Investment Management Pty Ltd	6.65%
Top 20	43.71%

¹ At 30 September 2022 (does not include \$2.2 million recently approved by shareholders)

² Closing price on 25 November 2022

³ Formerly PhosEnergy Limited: <https://www.entx.com.au/>

Board of Directors



Tim Goyder

Chairman

Mining executive with strong track record of successful investment and value creation for shareholders.
Chairman of Lontown Resources, NED of Minerals 260 and EntX, former Chairman of Chalice Mining.



Brendan Bradley

Managing Director

Geologist for 25+ years with extensive experience in exploration and development of epithermal gold deposits.
Highly experienced in intrusive related nickel-copper-PGE deposits.
Senior management at Perilya Ltd, Dominion Mining Ltd and Kingsgate Consolidated Ltd.



Stacey Apostolou

Executive Director

30+ years experience in the mining and exploration industry.
Finance executive for a number of publicly listed companies.
Most recently CFO for (formerly) EMR Capital owned Golden Grove and Capricorn Copper.



Bryn Jones

Non-Executive Director

Industrial chemist with over 20 years of experience in the uranium industry, including the development and operation of ISR uranium mines.
MD of EntX Limited and NED of Boss Energy and Australian Rare Earths.



Richard Hacker

Non-Executive Director

Finance executive with 25+ years corporate and commercial experience in the energy and resources sector.
CFO for Chalice Mining and formerly CFO of Lontown Resources.

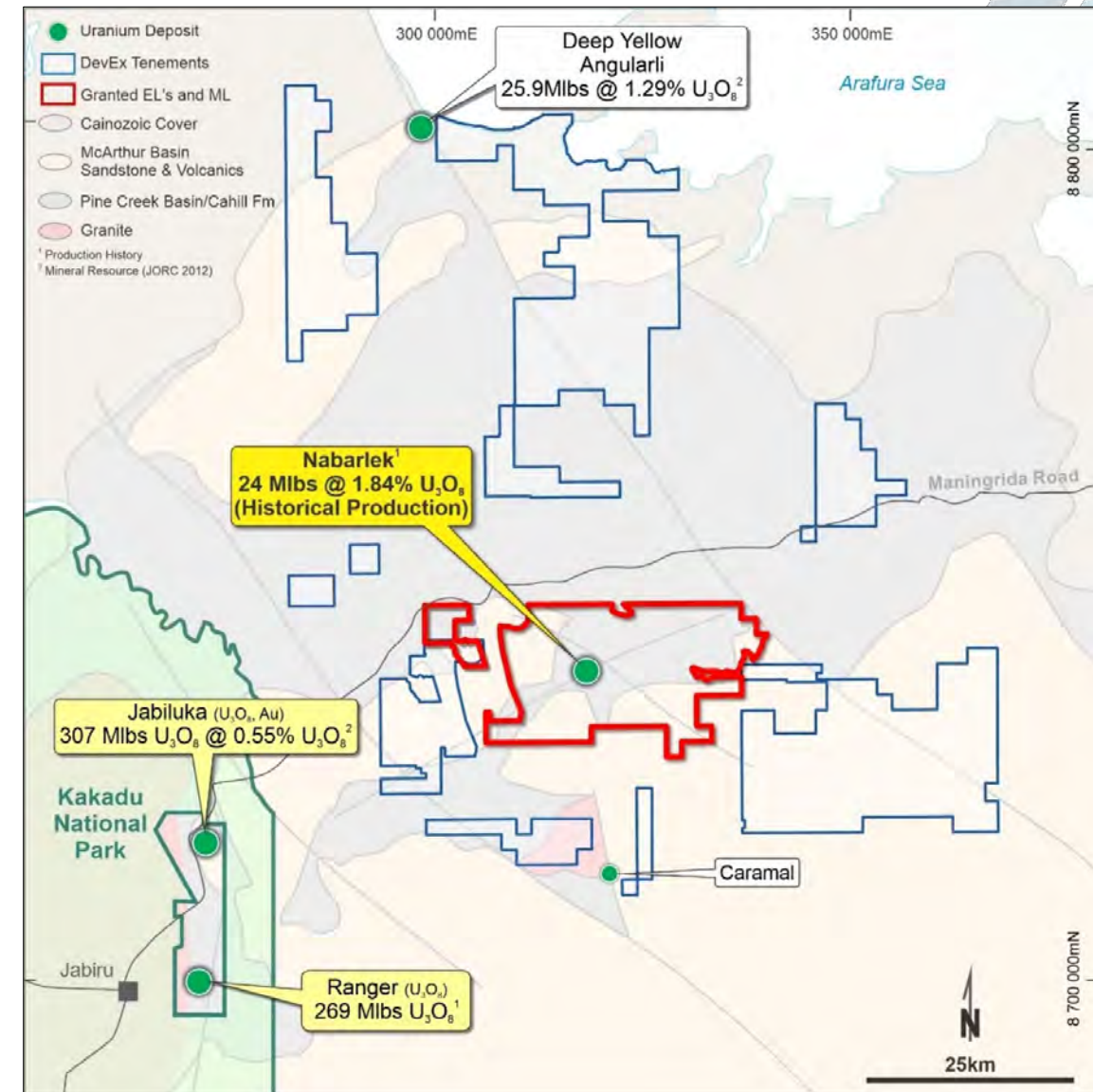
Major uranium asset in Australia's highest-grade uranium province

The Alligator Rivers Uranium Province, NT (ARUP)

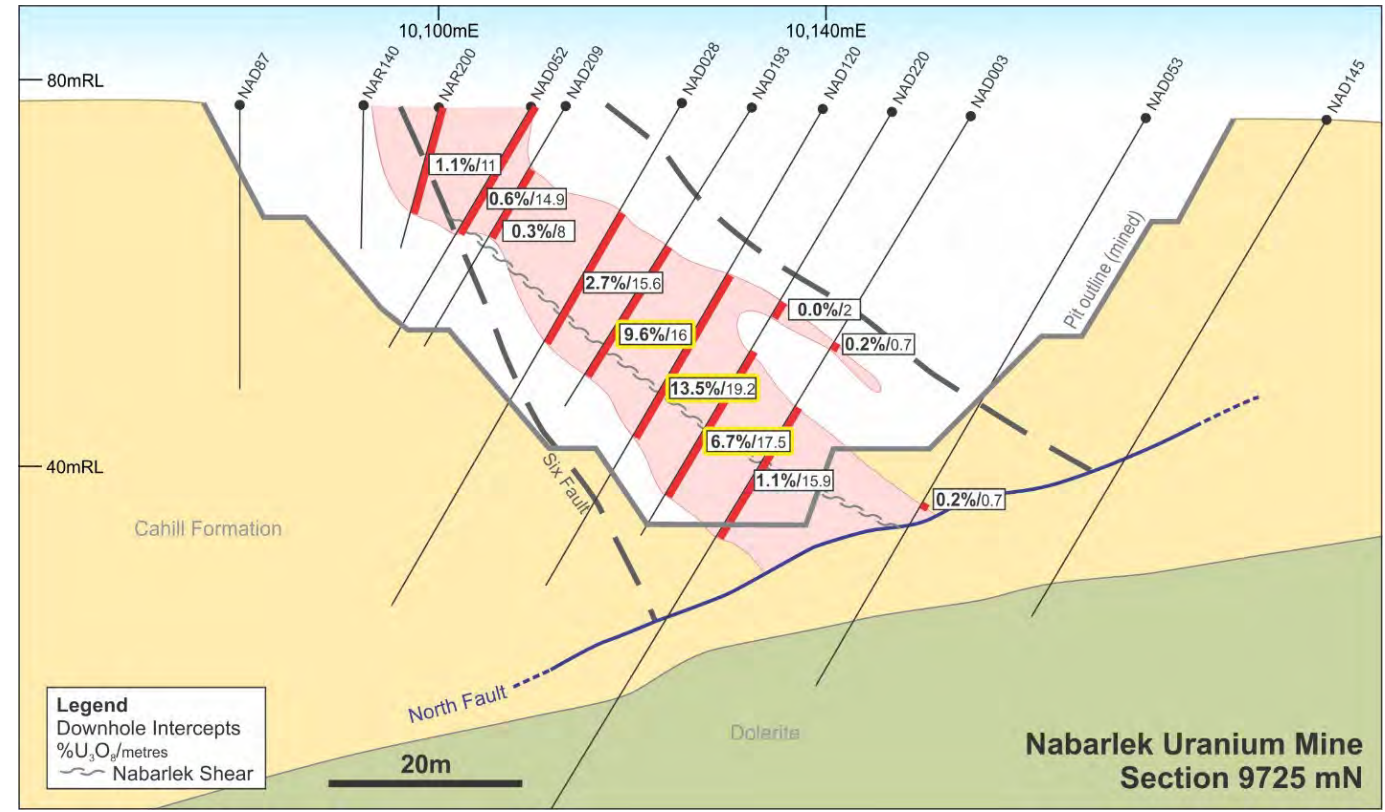
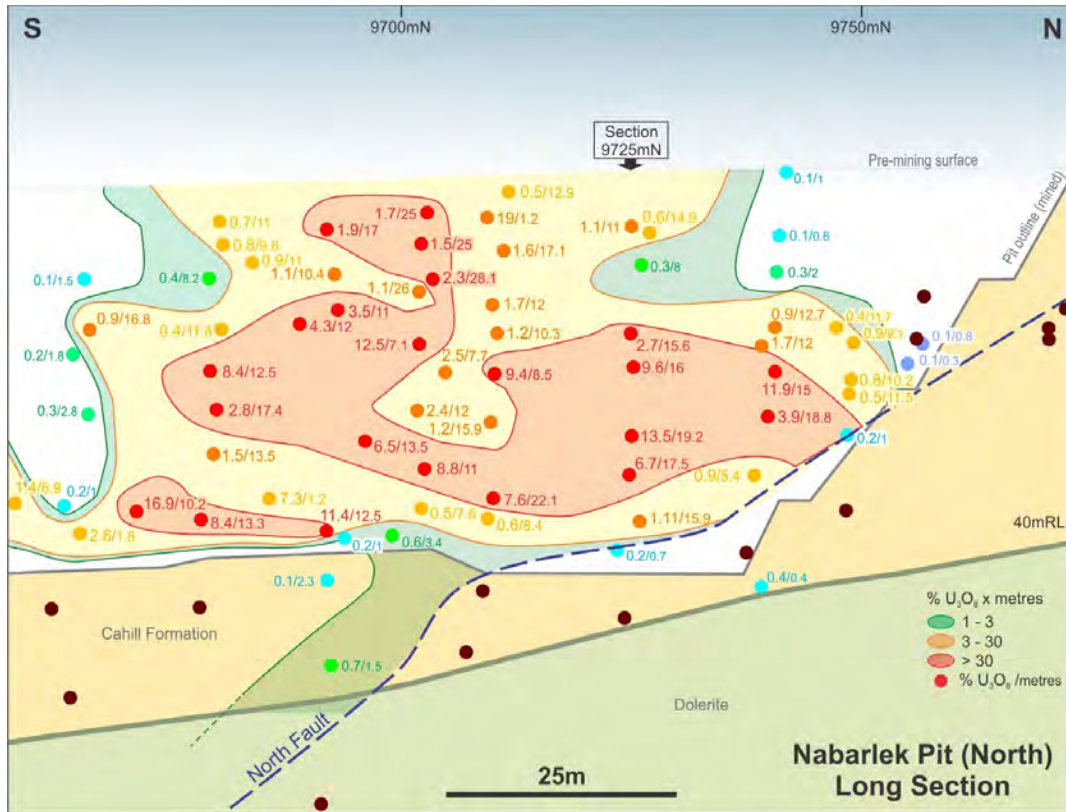
- +500 Million Pounds U_3O_8 endowment (mined and current Resources^{1,2})
- Close analogue to uranium deposits in the Athabasca Basin in Canada, *incl.*:
 - Arrow (NexGen Energy Ltd) and Hurricane (IsoEnergy Ltd)
- Significant gold province “*forgotten in time*”^{3,4} – *unexplored*

DevEx's Nabarlek Project (100%)

- Centred on the historical Nabarlek Uranium Mine
 - Production History : **24 Mlbs @ 1.84% U_3O_8** ¹
- DevEx holds a dominant ground position of **+4,700sq.km**
 - Granted Tenure: Mining Lease and three exploration tenements*
- Numerous drill targets recognised in 50 years of exploration data



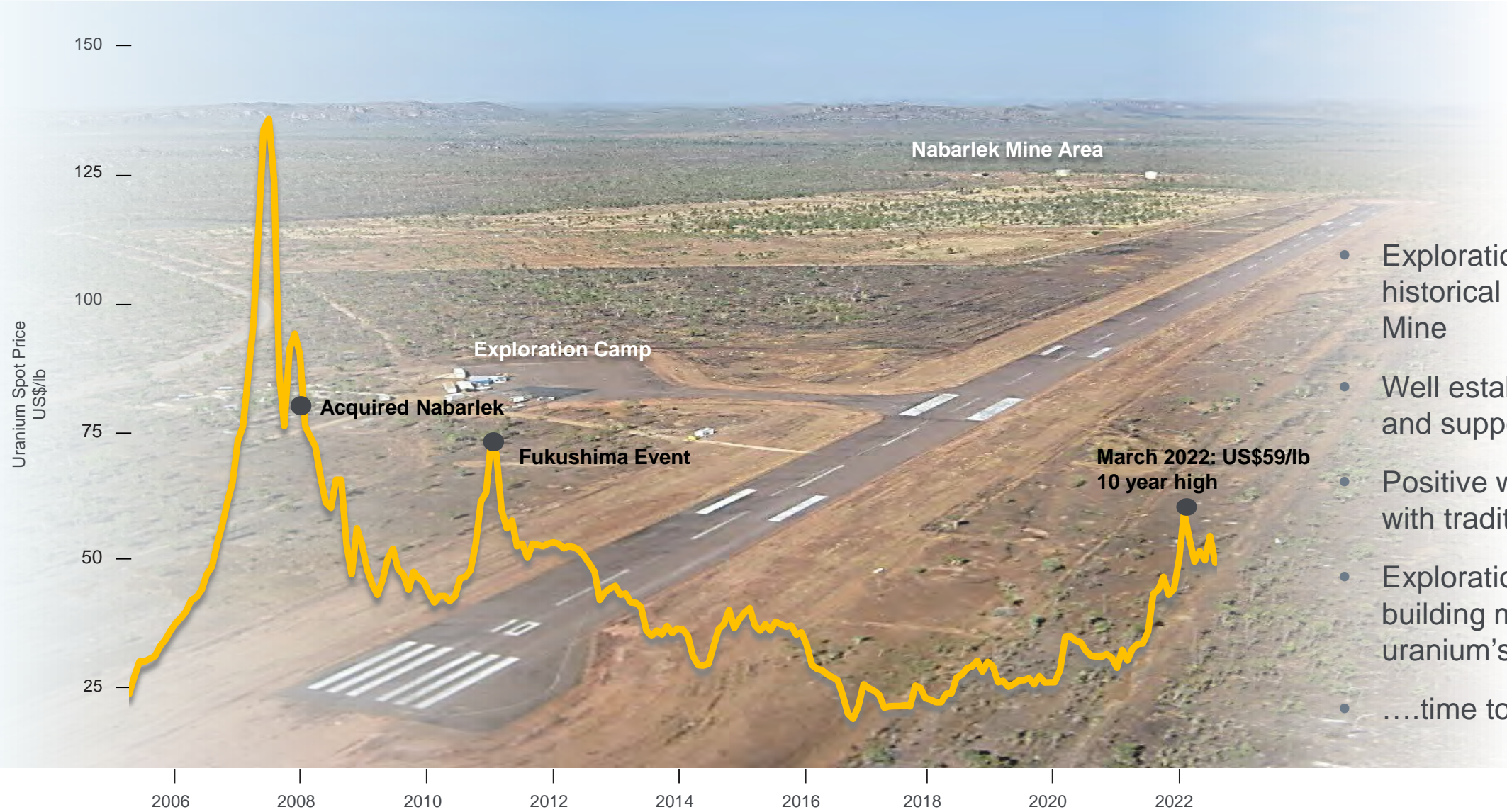
The Nabarlek Deposit: Where it's all about the grade !!



ASX : DEV Announcement – 9 October 2018.

- **Nabarlek uranium mineralisation** : Significant concentration of uranium mineralisation mined from the pit
- **Strong Structural Control** : Strong control to high-grade uranium mineralisation adjacent to the North Fault
- **Near-Mine Exploration** : DevEx is targeting extensions to the Nabarlek Uranium Deposit and along strike.

Nabarlek Project Time to Power Up



- Exploration centered on the historical Nabarlek Uranium Mine
- Well established infrastructure and support network
- Positive working relationships with traditional owners
- Exploration activities were building momentum prior to uranium's downturn post 2011
-time to power up!

Source: TradeTech and www.uranium.info

Nabarlek Project: Delivering results across multiple uranium prospects

2022 Drilling now delivering multiple high grade uranium:

Nabarlek South

Near surface fracture hosted uranium mineralisation in dolerite, preliminary results incl.

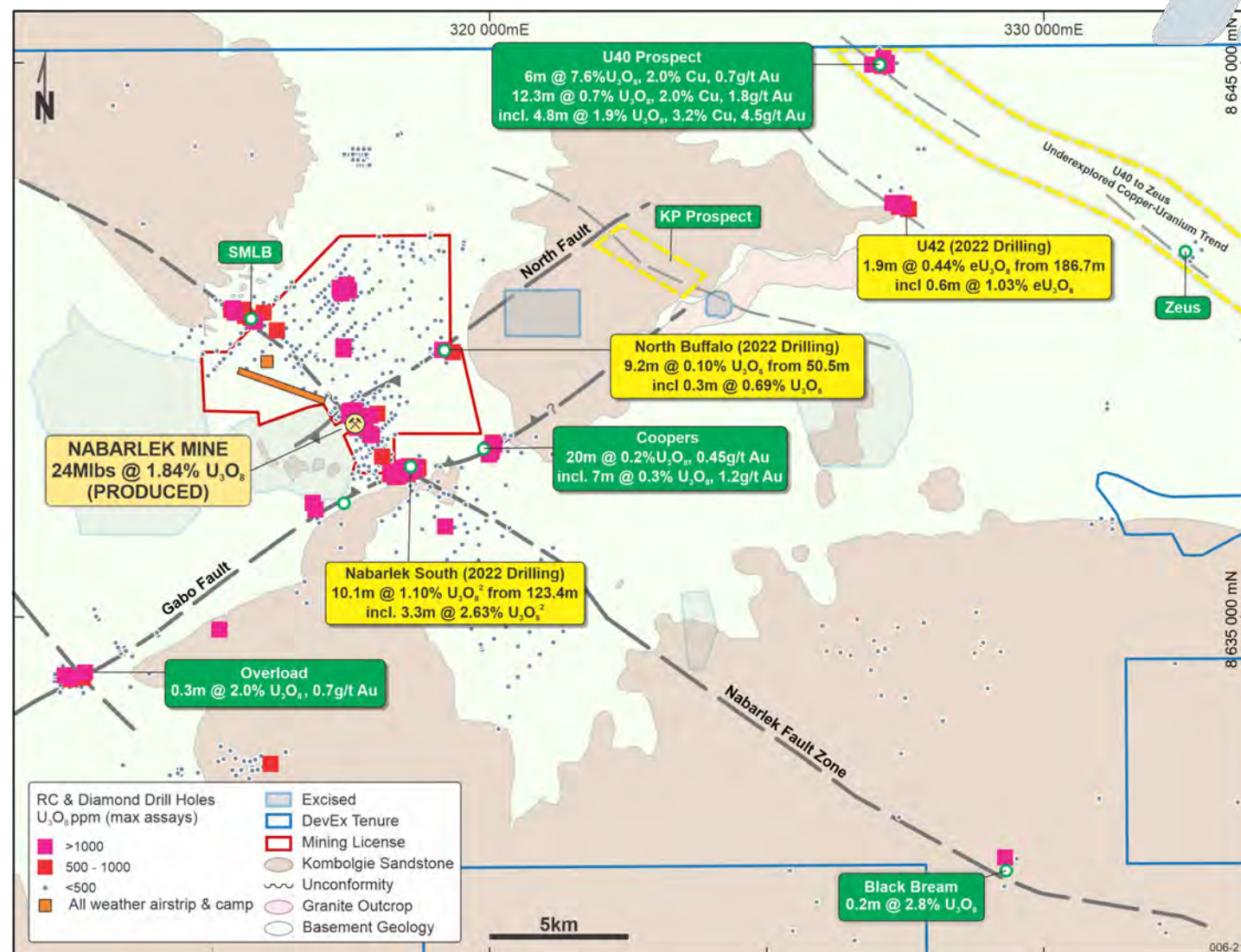
10.1m @ 1.1%* U₃O₈ from 123m
 incl 3.3m @ 2.6%* U₃O₈
 53.3m @ 0.23% eU₃O₈ from 82m
 Incl 5.3m @ 0.52% eU₃O₈

U42

New high-grade eU₃O₈ intercept seen in broad spaced reconnaissance RC drilling

1.9m @ 0.44% eU₃O₈ from 187m
 Incl 0.6m @ 1.03% eU₃O₈

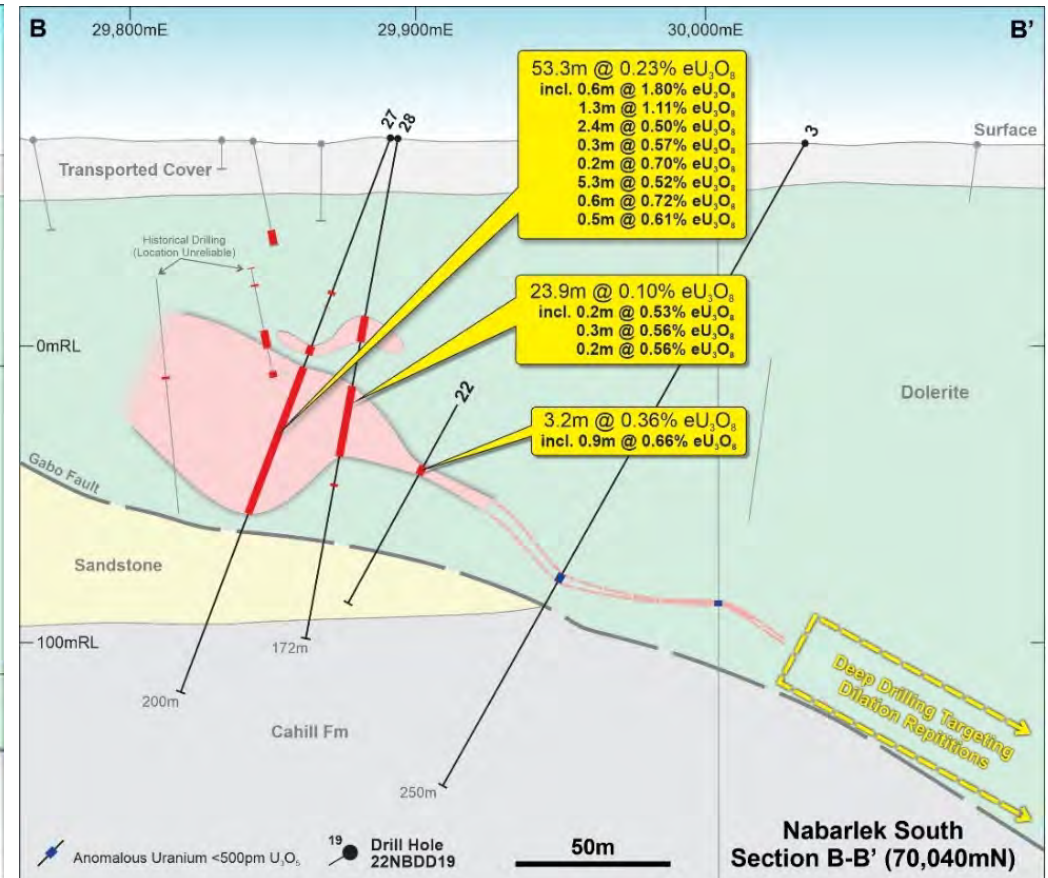
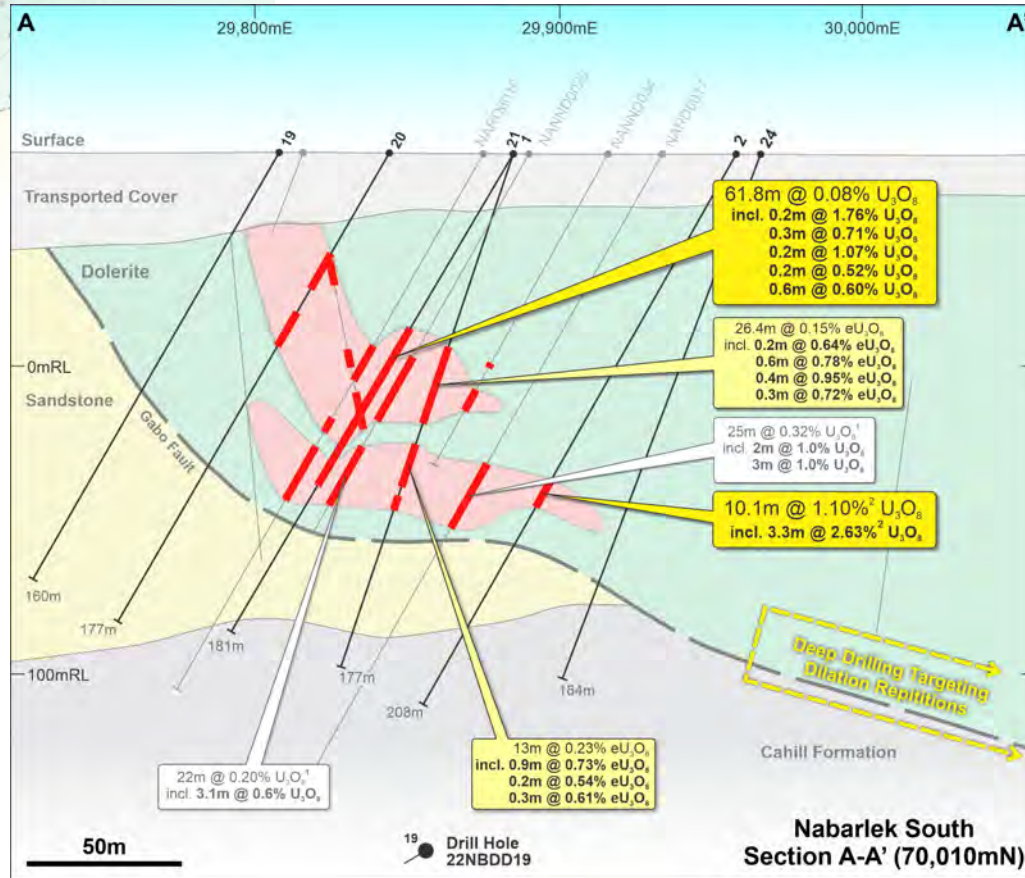
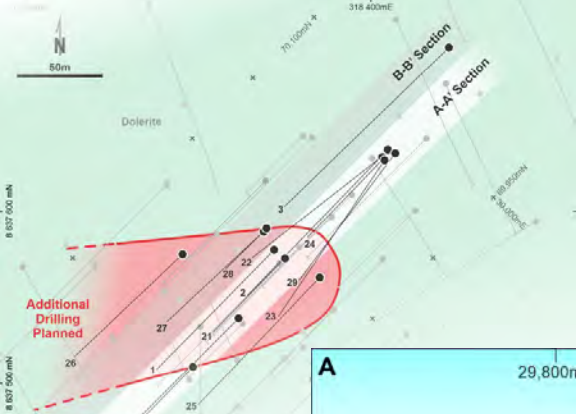
More exciting uranium targets to drill test in 2023



*A 0.15m sample within this intercept is above the maximum detection range of 11.8% U₃O₈

Nabarlek Project: Near surface uranium at Nabarlek South

- Near surface fault hosted uranium mineralisation in dolerite
- Preliminary results from diamond drilling indicates multiple narrow high-grade uranium in fractures with potential to bulk out over broader intervals
- Further drilling required to test for extensions to the east and west



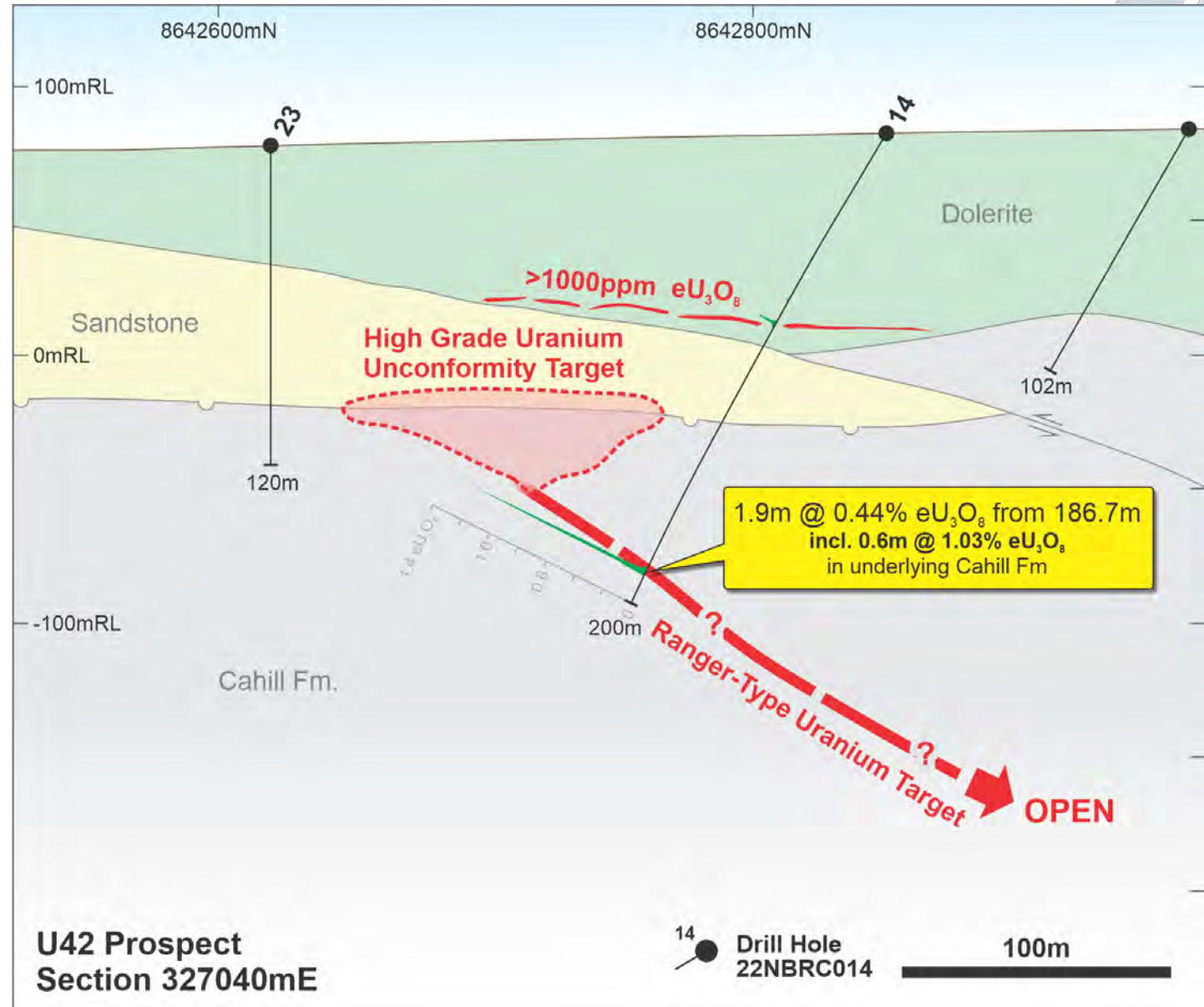
Nabarlek Project: New uranium intercept at U42 in basement rocks

U42 Prospect

- Large scale uranium target identified, similar in style to nearby world class Ranger Uranium Deposit
- Broad spaced reconnaissance RC drilling has intersected new high-grade uranium mineralisation beneath the flat dolerite:

**1.9m @ 0.44% eU₃O₈ from 187m
incl 0.6m @ 1.03% eU₃O₈**

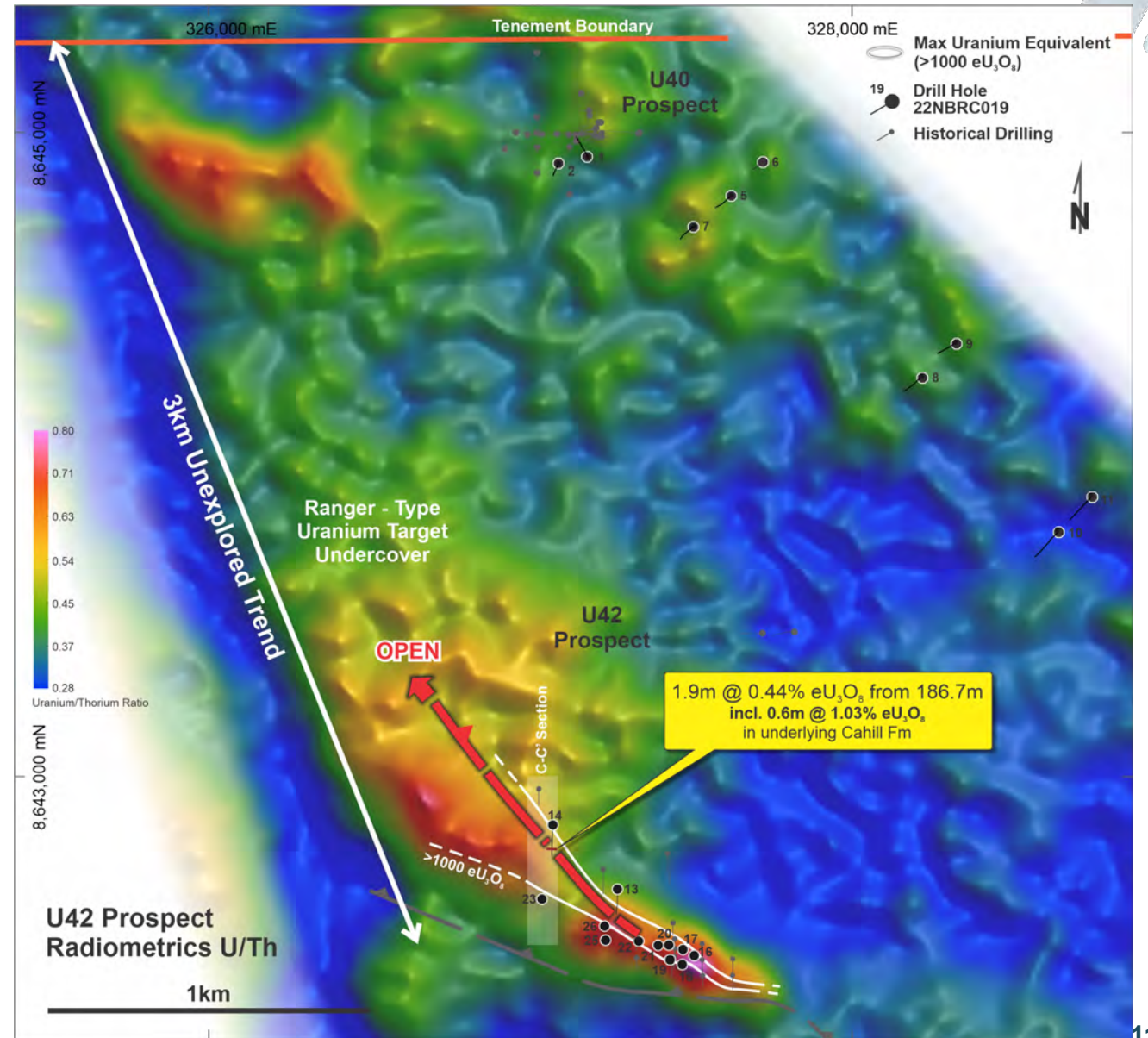
- RC drill chips: Black uranium minerals visible within basement rocks
- Priority target for follow-up drilling in 2023



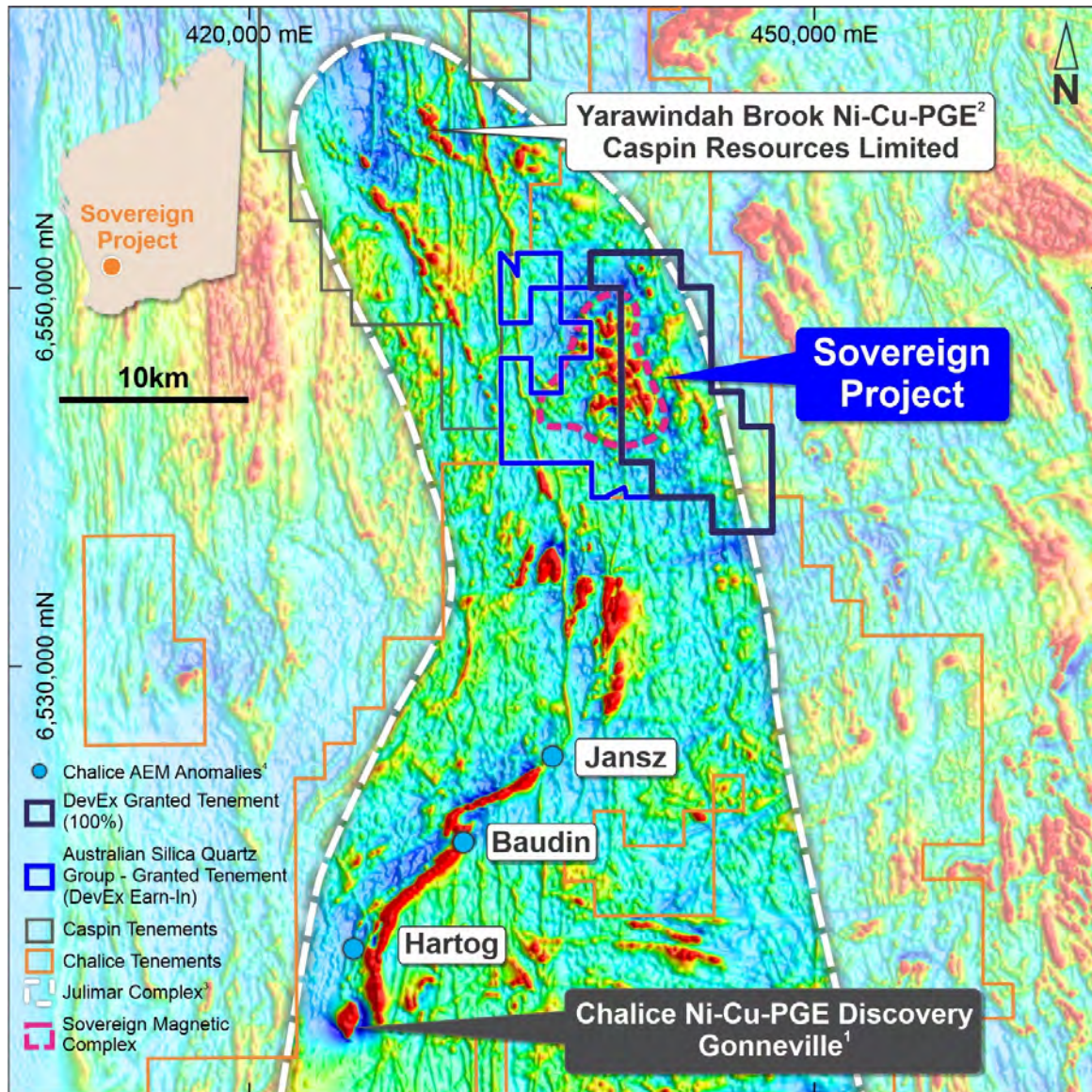
Nabarlek Project: Uranium trends to the north, untested

U42 Prospect

- Airborne radiometric data supports a north-west uranium trend for several kilometres north of Hole 14
- Wide open drilling opportunity

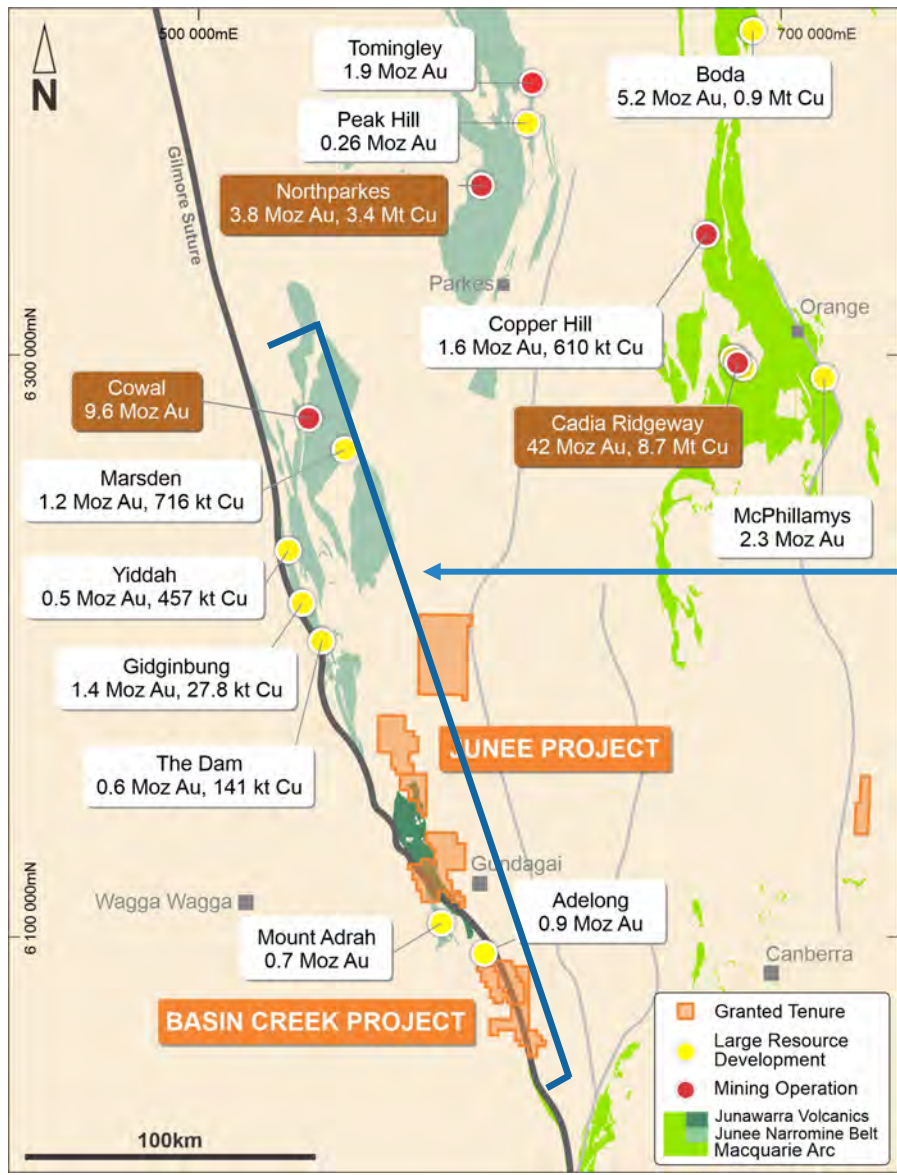


Julimar Complex: New ground in a new nickel-copper-PGE region



- Recent discovery of high-grade palladium and associated nickel-copper-platinum group elements (Ni-Cu-PGE) by Chalice Mining Limited (ASX:CHN) has kicked off an exploration boom in the region
- **Sovereign Project** located between the Chalice discovery and the Yarawindah Brook Ni-Cu-PGE Project (Caspin Resources Limited, ASX:CPN)
- **The right rocks** - Large 12km-long **Sovereign Mafic-Ultramafic Intrusion** defined with no previous Ni-Cu-PGE exploration
- Extensive ground EM surveys over the larger intrusion have commenced.
- Ground EM conductors will be fast-tracked to drilling

Central Lachlan Fold Belt Region: Sizeable portfolio amongst majors



1 A world-class gold, copper-gold belt

Host to Cadia-Ridgeway (Newcrest Mining) and Northparkes (China Molybdenum Co Ltd), as well as several large-scale gold deposits including the Cowal Gold Mine (Evolution Mining Ltd) and the McPhillamys Gold deposit (Regis Resources Limited)

2 Major explorers within the Junee-Narramine Volcanic Belt

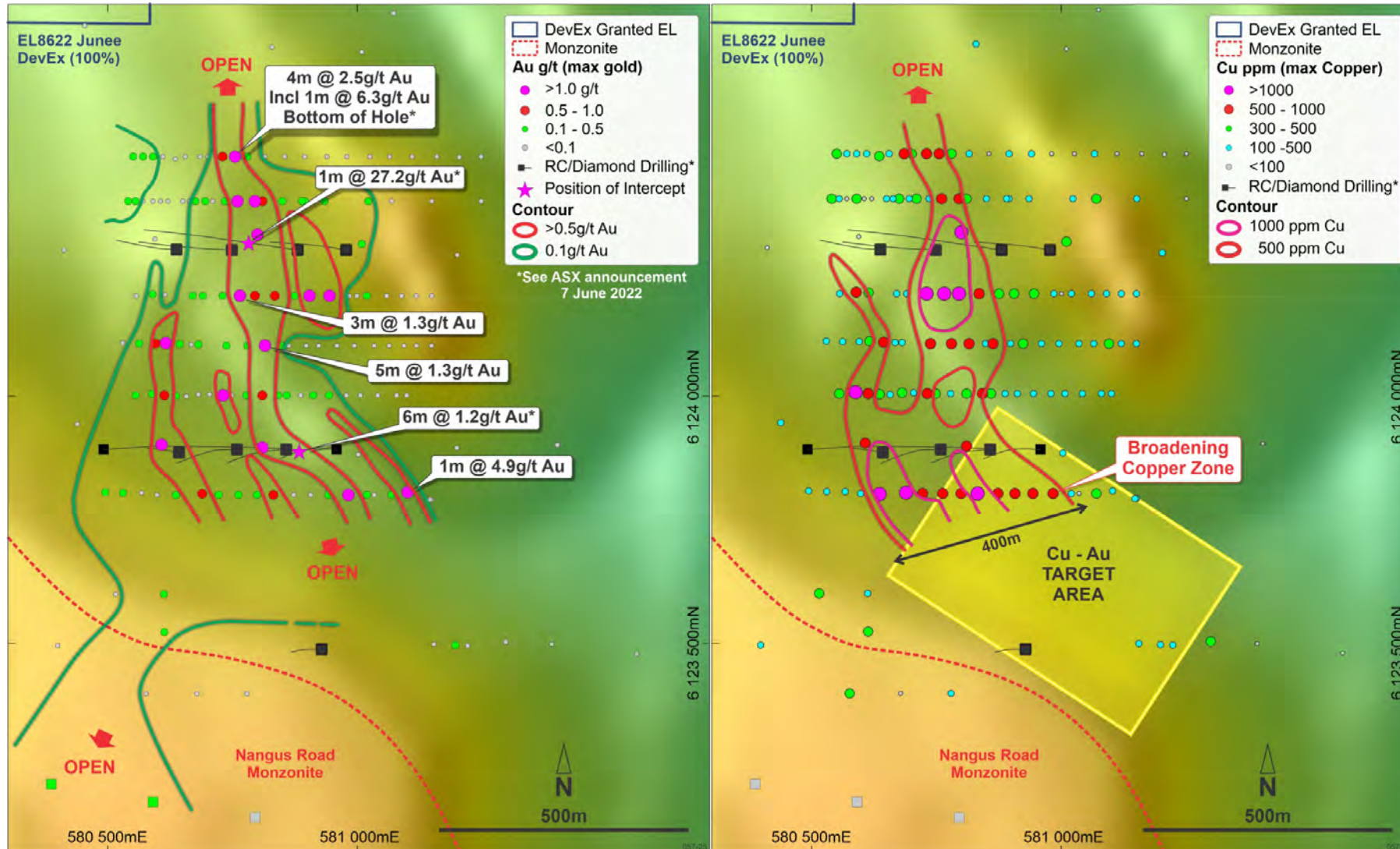
Extensive tenure and exploration activity in the region by major explorers including: Newmont Goldcorp Exploration Pty Ltd | Evolution Mining Ltd | Sandfire Resources Limited

3 DevEx – Fresh exploration on under-explored ground

- Significant re-rating of the region after a 2017 government mapping project² recognised the rocks as the southern extension of the Junee-Narramine Belt
- No previous drilling within a globally-recognised copper-gold region for decades
- DevEx has built a large, well located 100%-owned ground holding

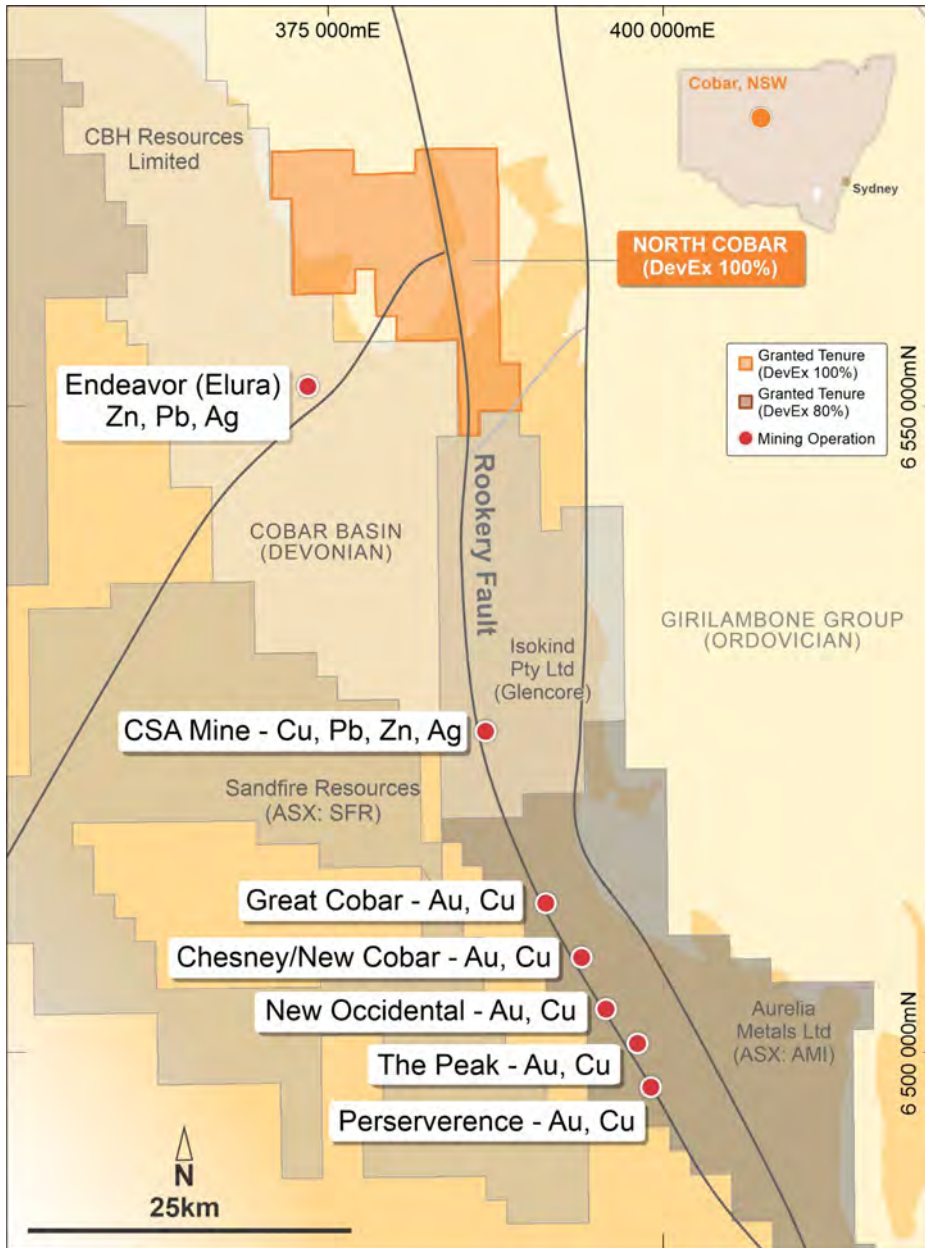
See Slide 17 for References.

Nangus Road Prospect: Large scale Au-Cu Drill Target



- Recent drilling defining shallow high-grade gold mineralization - open to the north, south and at depth
- Gold intercepts lie within strongly altered, sheared, volcanic rocks flanked by monzonite intrusions
- Anomalous copper, and other pathfinder elements are suggestive of an underlying porphyry Cu-Au system – open to south
- Drilling to commence in early 2023

North Cobar Project: Exploration commencing in Cobar's Copper-Gold Belt



- The region is host to numerous major gold-polymetallic mines
- DevEx awarded North Cobar tenement during a competitive bid with the New South Wales Government
- Exploring northern extension to the Rookery Fault along trend from the large CSA Copper-Gold Mine
- Progressing land access agreements with plans to commence exploration in 2023



DevEx Next Steps



Nabarlek

- Awaiting all assay results from drilling at Nabarlek
- Planning underway for recommencement of activities in second quarter 2023

Sovereign

- Ground EM surveys over the mafic-ultramafic intrusion have recommenced
- EM conductors will be fast tracked to drilling

Junee

- Follow-up drilling scheduled for early 2023



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References

Nabarlek Project – Slide 5:

1. Production History:
McKay, A.D & Mieztis, Y. 2001. Australia's uranium resources, geology and development of deposits. AGSO – Geoscience Australia, Mineral Resource Report 1. ERA Annual Production Reports 2001 to 2018.
2. Mineral Resource:
Vimy Resources Limited Mineral Resource Statement 20 March 2019.
Energy Resources of Australia Ltd (ASX:ERA) Annual Statement of Reserves and Resources January 2018.
3. Hancock M C, Maas R, Wilde A R 1990 - Jabiluka Uranium-Gold deposits: in Hughes F E (Ed.), 1990 Geology of the Mineral Deposits of Australia & Papua New Guinea The AusIMM, Melbourne Mono 14, v1 pp 785-793.
4. Carville D P, Leckie J F, Moorhead C F, Rayner J G, Durbin A A 1990 - Coronation Hill Gold-Platinum-Palladium deposit: in Hughes F E (Ed.), 1990 Geology of the Mineral Deposits of Australia & Papua New Guinea The AusIMM, Melbourne Mono 14, v1 pp 759-762.

Julimar Complex – Slide 12:

1. Chalice Mining Limited (ASX: CHN) ASX announcement "Tier-1 scale maiden Mineral Resource for Gonnevile – 10Moz Pd+Pt+Au (3E), 530kt Ni, 330kt Cu and 53kt Co" on 9 November 2021.
2. Caspin Resources Limited (ASX: CPN) ASX announcement "Primary Sulphide PGE Mineralisation Confirmed at Yarabrook Hill" on 5 July 2021.
3. Harrison P. H., 1984. The mineral potential of layered igneous complexes within the Western Gneiss Terrain. In: Professional papers for 1984 of the Geol Surv of W. A. 19. Gov Printing Office, Perth, pp 37–54.
4. Chalice Gold Mines Limited (ASX:CHN) ASX announcement "Major new 6.5km-long EM anomaly identified at Julimar" on 22 September 2020.

Central Lachlan Fold Belt Region – Slide 13:

2. 2019GSNSW East Riverina Mapping Project - Some Highlights and Implications, Eastlake and Trigg.