



ENHANCED EXPLORATION PORTFOLIO

Focused on High-Grade Gold Exploration Projects

RIU Explorers Conference
Mike Spreadborough
18 February 2025

ASX: NVO / TSX: NVO / OTCQB: NSRPF
www.novoresources.com



Please refer to Novo's Corporate Presentation (16 December 2024) and News Releases dated (16 December 2024 and 6 February 2025) on our website for further details and references:

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Cautionary Note Concerning Technical Disclosure and U.S. Securities Laws: This presentation has been prepared in accordance with the requirements of the securities laws in effect in Canada and Australia, which differ from the requirements of U.S. securities laws. Unless otherwise indicated, all exploration results and resource and reserve estimates included in this presentation have been prepared in accordance with National Instrument 43-101 *Standards of Disclosure for Mineral Projects* (**NI 43-101**) and the JORC Code (defined below). The definitions used in NI 43-101 are incorporated by reference from the Canadian Institute of Mining, Metallurgy, and Petroleum (**CIM** - Definition Standards adopted by CIM Council on May 10, 2014 (**CIM Definition Standards**)).

The U.S. Securities and Exchange Commission (**SEC**) adopted amendments to its disclosure rules to modernize the mineral property disclosure requirements for issuers whose securities are registered with the SEC under the Securities Exchange Act of 1934, as amended. These amendments became effective February 25, 2019 (**SEC Modernization Rules**) with compliance required for the first fiscal year beginning on or after January 1, 2021. The SEC Modernization Rules replace the historical disclosure requirements for mining registrants that were included in SEC Industry Guide 7, which has been rescinded. As a result of the adoption of the SEC Modernization Rules, the SEC now recognizes estimates of "measured mineral resources", "indicated

mineral resources" and "inferred mineral resources". Investors are cautioned that while the above terms are "substantially similar" to the corresponding CIM Definition Standards, there are differences in the definitions under the SEC Modernization Rules and the CIM Definition Standards. Accordingly, there is no assurance any mineral resources that the Company may report as "measured mineral resources", "indicated mineral resources" and "inferred mineral resources" under NI 43-101 would be the same had the Company prepared mineral resource estimates under the standards adopted under the SEC Modernization Rules. Investors are also cautioned that while the SEC will now recognize "measured mineral resources", "indicated mineral resources" and "inferred mineral resources", investors should not assume that any part or all of the mineralization in these categories will ever be converted into a higher category of mineral resources or into mineral reserves. Mineralization described using these terms has a greater amount of uncertainty as to its existence and feasibility than mineralization that has been characterized as mineral reserves. Accordingly, investors are cautioned not to assume that any "measured mineral resources", "indicated mineral resources" or "inferred mineral resources" that the Company reports are or will be economically or legally mineable. Further, "inferred mineral resources" have a greater amount of uncertainty as to their existence and as to whether they can be mined legally or economically. Therefore, investors are also cautioned not to assume that all or any part of the "inferred mineral resources" exist. In accordance with Canadian securities laws, estimates of "inferred mineral resources" cannot form the basis of feasibility or other economic studies, except in limited circumstances where permitted under NI 43-101. For the above reasons, information contained in this presentation describing the Company's mineral deposits may not be comparable to similar information made public by United States companies subject to the reporting and disclosure requirements under the United States federal securities laws and the rules and regulations thereunder. Similar principles will apply in respect to any reporting under the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (the **JORC Code**) (see below).

Technical Information: Dr. Quinton Hennigh (P.Geo.), Mrs. Karen (Kas) De Luca (MAIG), Dr. Christopher Doyle (MAIG), Mr. Iain Groves (MAIG), Mr. Alwin Van Roij (MAIG, MAusIMM) and Dr. Simon Dominy (FAusIMM CPGeo; FAIG RPGeo) are the qualified persons, as defined in NI 43-101, who have reviewed, approved and verified the technical content of this presentation. They have sufficient experience, which is relevant to the style of mineralisation and activities being undertaken to qualify as a Competent Person as described by the JORC Code, 2012. They consent to the inclusion in this presentation of the matters based on their information in the form and context in which it appears.

Dr. Hennigh is the Company's Non-Executive Co-Chairman and a director. Mrs. De Luca is the Company's General Manager – Exploration. Dr. Doyle is the Company's Exploration Manager – Victoria. Mr. Groves is the Company's Principal Geologist – Technical & Generative. Mr. Van Roij is the Company's Exploration Manager – Pilbara and Dr. Dominy is a Technical Advisor to Novo. **Disclaimer:** No representation or warranty, express or implied, is made by the Company that the material contained in this presentation will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, each of the Company, its directors, officers, employees, advisers and agents expressly disclaims any responsibility for the accuracy, fairness, sufficiency or completeness of the material contained in this presentation, or any opinions or beliefs contained in this document, and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission therefrom. The Company is under no obligation to update or keep current the information contained in this presentation or to correct any inaccuracy or omission which may become apparent, or to furnish any person with any further information. Any opinions expressed in the presentation are subject to change without notice.

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Acknowledgement of Country

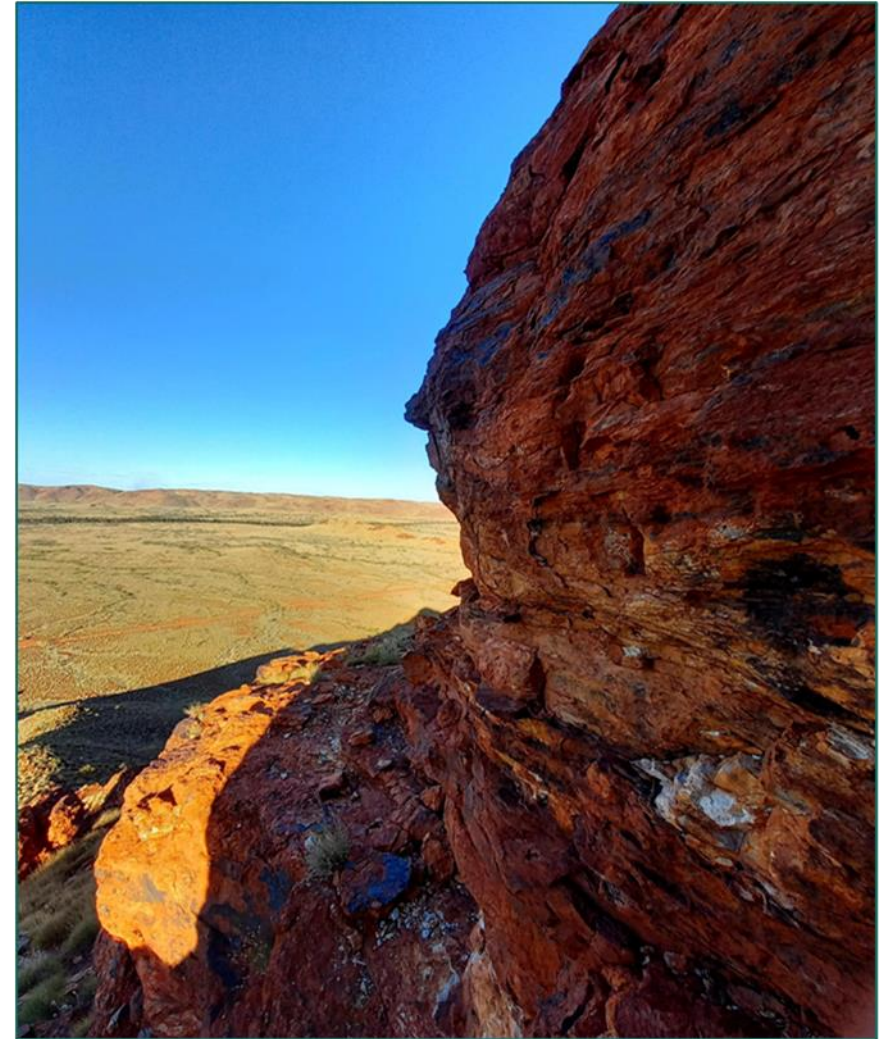


We acknowledge the Traditional Owners of the land upon which we operate; the Palyku, Nyamal, Kariyarra, Ngarluma, Yinhawangka, Yindjibarndi, Yaburara and Mardudhunera, Puutu Kunti Kurrama, Pinikura, Dja Dja Wurrung, Malyangapa Group, Thalanyji and the Wongkumara peoples.

We recognize their unique cultural heritage, beliefs and connection to these lands, waters and communities.

We pay our respects to all members of these Indigenous communities, and to Elders past, present and emerging. We also recognize the importance of continued protection and preservation of cultural, spiritual and knowledge practices.

As we value treating all people with respect, we are committed to building successful and mutually beneficial relationships with the Traditional Owners throughout our area of operations.

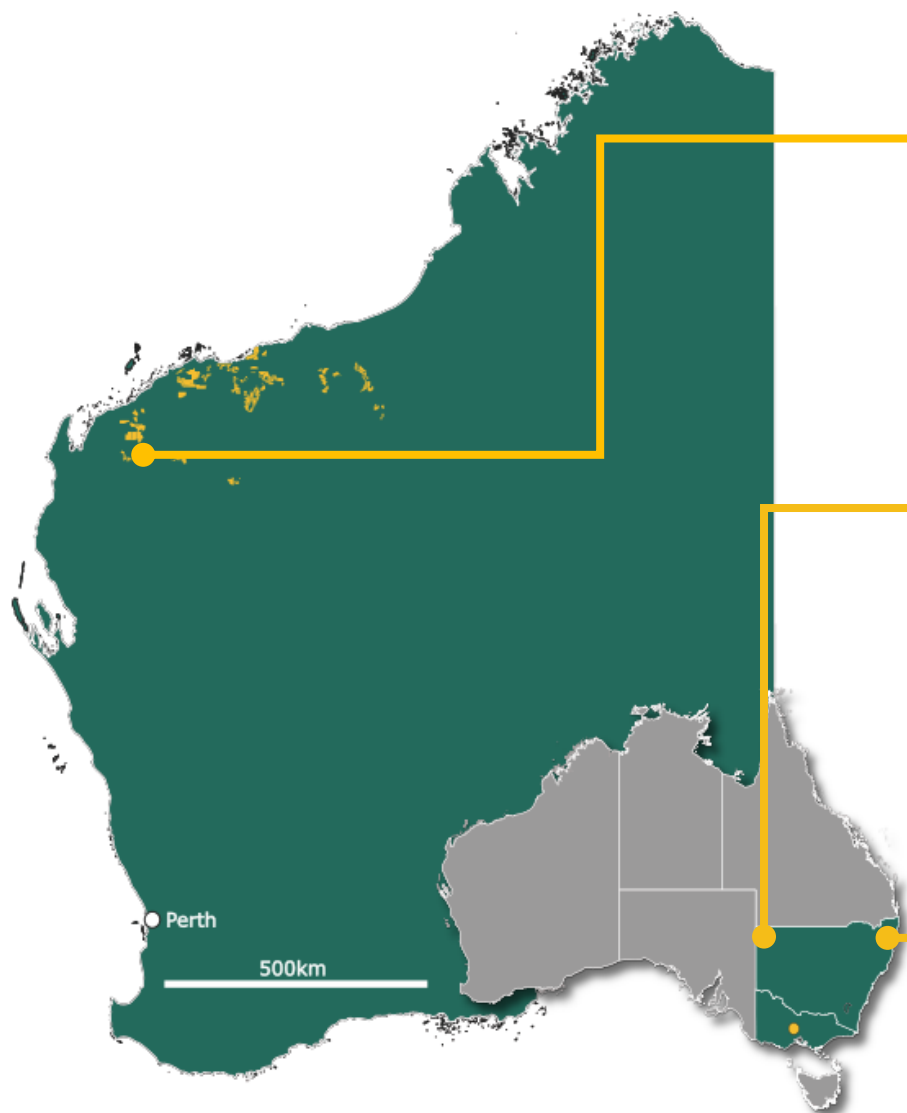


High-Grade Gold Exploration Portfolio



- ✓ **Strong balance sheet with cash of ~A\$12 million (C\$11 million) and investments of ~A\$44 million (C\$39 million)**
- ✓ Strategy focused on discovering standalone gold projects with > 1 Moz development potential
- ✓ **Addition of John Bull (NSW), Tibooburra (NSW) and Toolunga Gold Projects (WA) via Farm-In/JV agreements enhances exploration portfolio and balances exploration risk^{1,2}**
- ✓ Portfolio includes exploration and development assets across Western Australia and Victoria, led by the flagship Becher Project (WA) and Belltopper Project (Victoria)
- ✓ De Grey Mining (ASX: DEG) committed to Egina Joint Venture (Becher Project) with spend of A\$18 million by June 2027 to earn a 50% joint venture interest in the Egina tenements³
- ✓ **Targeted exploration drill programs across new gold projects in H1 2025**

Drill Ready, High-Grade Gold Exploration Projects



ONSLOW DISTRICT

Consolidated prospective 1,520 km sq landholding

- Emerging district at the junction of major tectonic boundaries with high prospectivity for intrusion-related gold

ALBERT GOLDFIELDS

Manhattan Corp. Farm-in/JV - Tibooburra Gold Project

- Drill-ready, high-grade gold targets at Clone and New Bendigo prospects
- **Standout results in RC drilling of 8 m @ 40.5 g/t Au from 70 m incl. 3 m @ 105.34 g/t Au¹**

NEW ENGLAND FOLD BELT

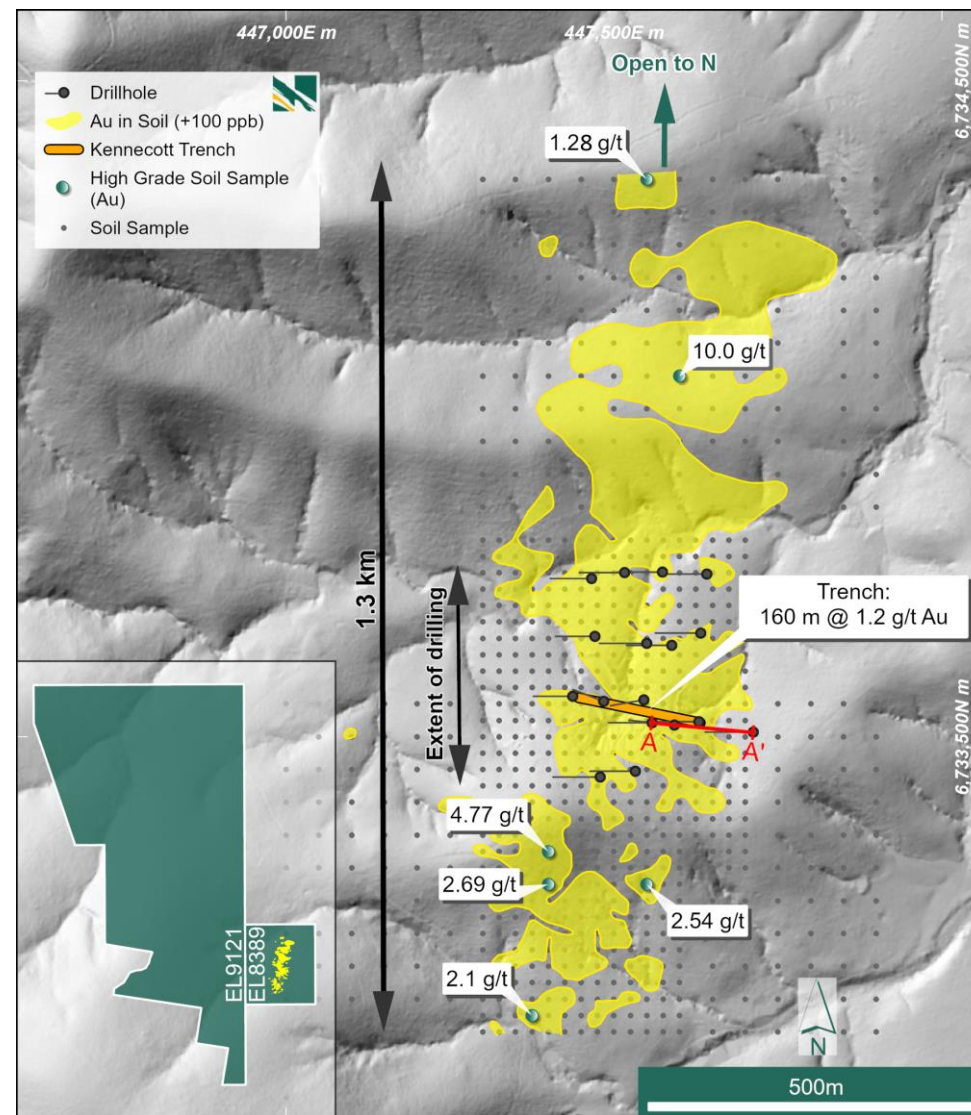
TechGen Farm-in/JV – John Bull Project

- Historic trench delivered **160 m @ 1.2 g/t Au incl. 5 m @ 18.0 g/t Au and 5 m @ 7.1 g/t Au¹**
- **Standout results in TechGen RC drilling of 68 m @ 1.0 g/t Au from surface incl. 23 m @ 2.02 g/t Au¹**

John Bull Gold Project - *Historical Work*

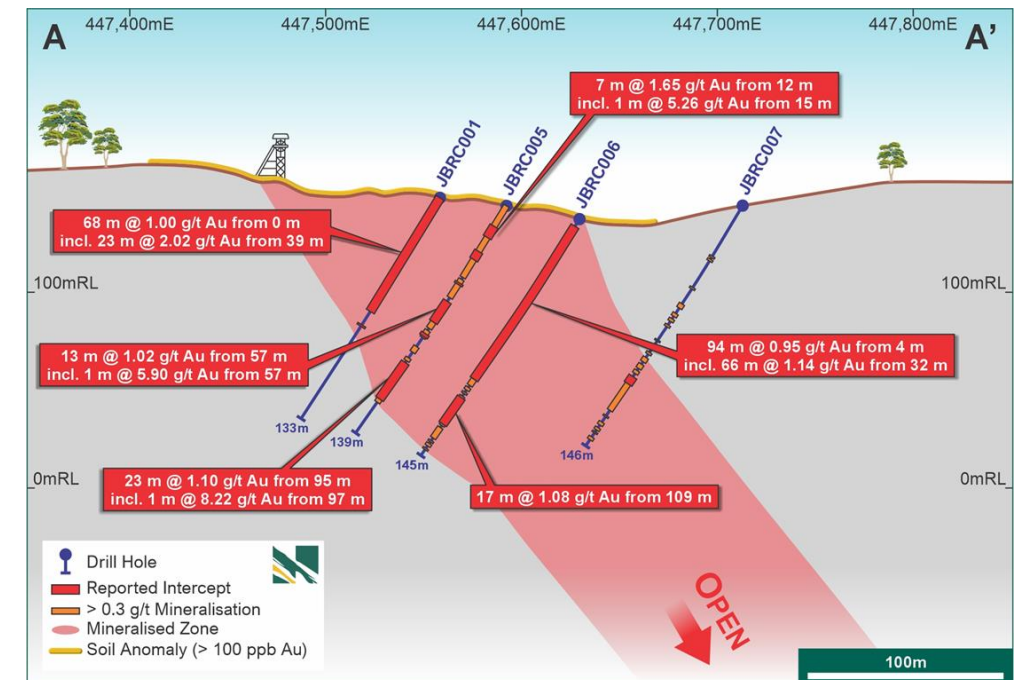
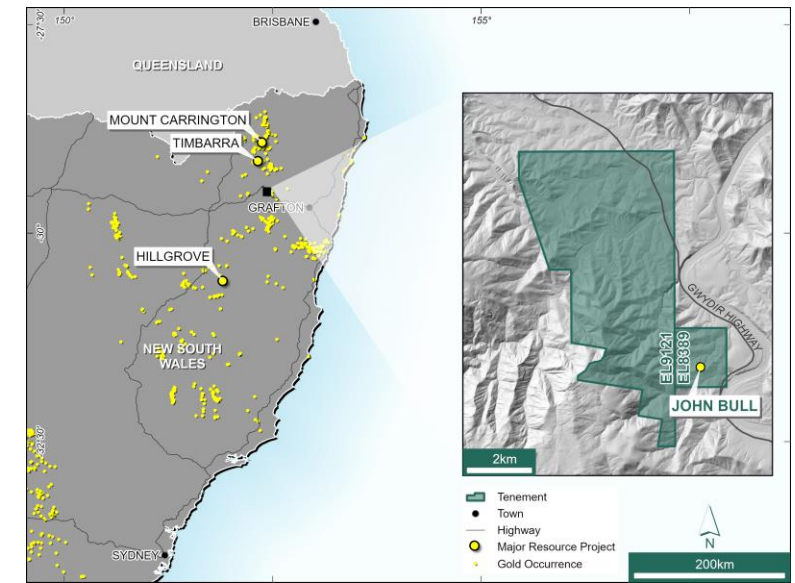


- Historical workings comprise 7 shafts and workings from mid 1880's
- Kennecott Australia costean in 1983 intersected **160 m @ 1.2 g/t Au incl. 5 m @ 18.0 g/t Au and 5 m @ 7.1 g/t Au¹**
- Soil sampling by TechGen reported a high-order gold anomaly > **1.3 km long and 250 m wide at > 100 ppb Au, with 47 samples > 1 g/t Au - open along strike¹**
- IP geophysics completed in 2017 over part of the target produced anomalies over known mineralisation
- TechGen RC program of 6 holes completed in June 2022, generated peak intercepts of¹:
 - **68 m @ 1.0 g/t Au from surface incl. 23 m @ 2.02 g/t Au**
 - **94 m @ 0.95 g/t Au from 32 m incl. 66 m @ 1.14 g/t Au**
- 1 km strike remains untested, anomaly open to the north



John Bull Gold Project - *Opportunity*

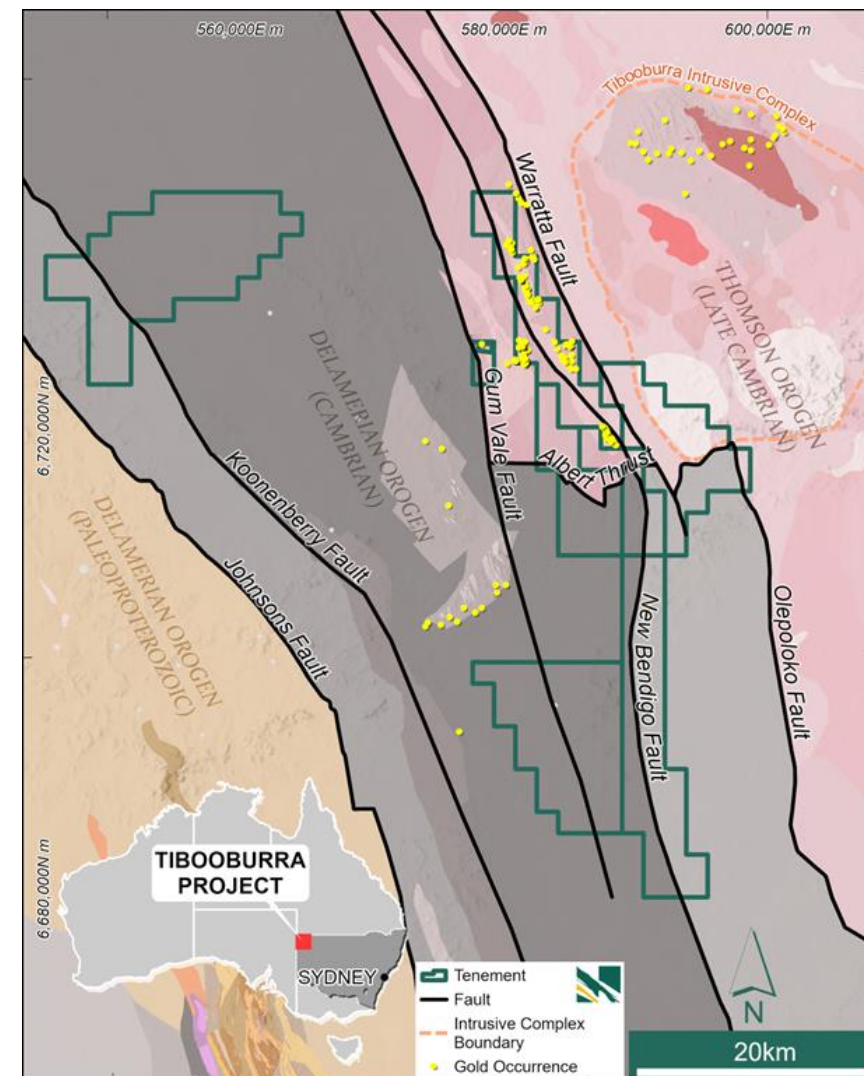
- Potential to extend the strike of the system by > 500 m based on current knowledge
- Open pit grade mineralisation extends from surface in limited drilling, all sections open at depth
- Only ~300 m of the 1.3 km long gold-in-soil anomaly tested by drilling to date
- Peak results from 4 sections of drilling over 300 m strike include¹:
 - **68 m @ 1.00 g/t Au from surface, incl. 23 m @ 2.02 g/t Au JBRC0001**
 - **94 m @ 0.95 g/t Au from 4 m incl. 66 m @ 1.14 g/t Au and 17 m @ 1.08 g/t Au JBRC0006**
- Walk-up drill targets for immediate testing currently being finalised in the field



Tibooburra Gold Project - Opportunity



- Located in the Tibooburra District in northwest NSW, covering the historic Albert Goldfields
- The Albert Goldfields lies on a unique and massive jog around the Tibooburra granite intrusions to the NE
- Mineralisation occurs as narrow high-grade quartz veins hosted in shale, within a highly folded and faulted domain
- Extensive historical district-scale workings currently being mapped and sampled
- **Multiple mineralised trends identified with over 35 km strike, many trends are under cover**
- **Two advanced drill ready target areas at Clone (including the Clone trend) and New Bendigo**
- Potential to extend the strike and breadth of the system based on current knowledge



Tibooburra Project - *New Bendigo & Clone Prospects*

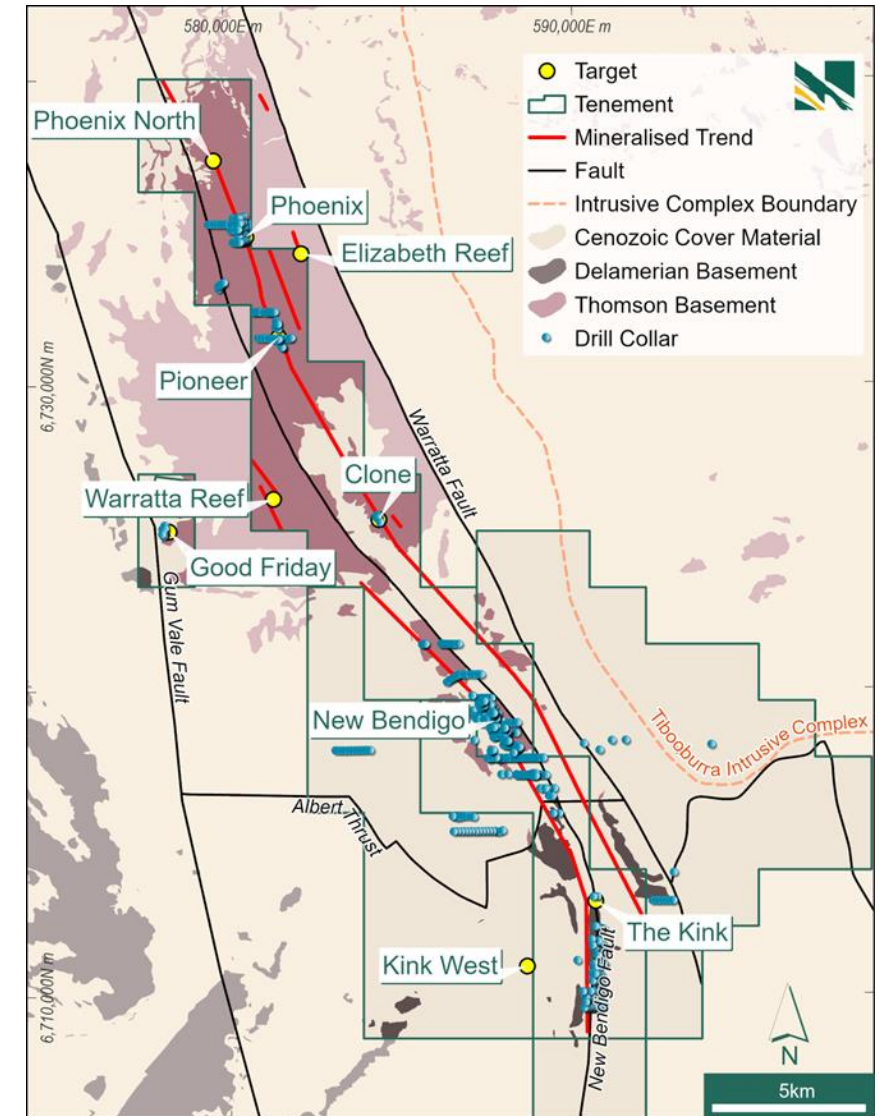


New Bendigo

- Extensive historical workings over 2 km strike
- MHC drilled over 500 m strike with multiple high order results¹:
 - **8 m @ 40.5 g/t Au from 70 m, incl 3 m at 105.34 g/t Au**
 - **16 m @ 13.89 g/t Au from 1 m, incl 3 m at 69.20 g/t Au**
 - **7 m @ 13.10 g/t Au from 97 m incl 5 m at 18.01 g/t Au**

Clone and Clone Trend

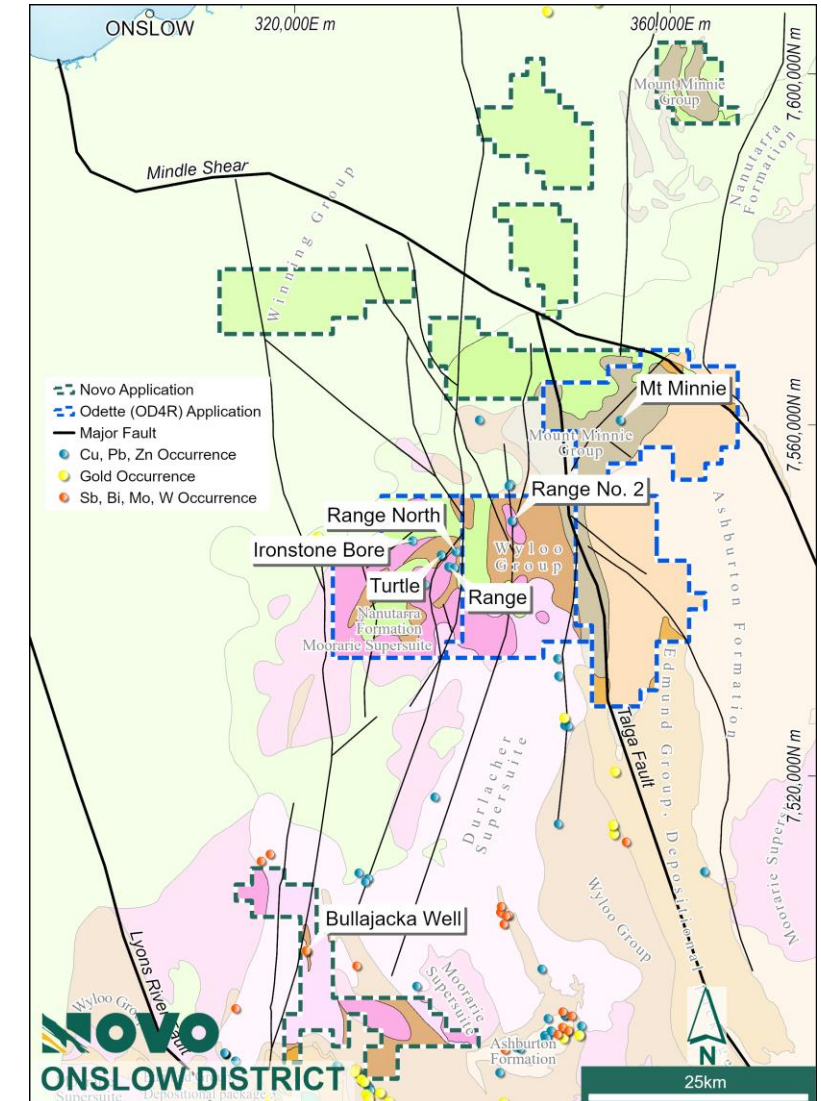
- Extensive historical workings over ~450 m strike before trending under cover in the south
- Multiple parallel mineralised trends recognised with minimal exploration ~10 km strike
- Peak drill results from 11 holes over 250 m strike¹:
 - **7 m at 7.23 g/t Au from 81 m, including 3 m at 16.1 g/t Au**
 - **9 m at 6.03 g/t Au from 16 m**



Onslow District – Toolunga Project



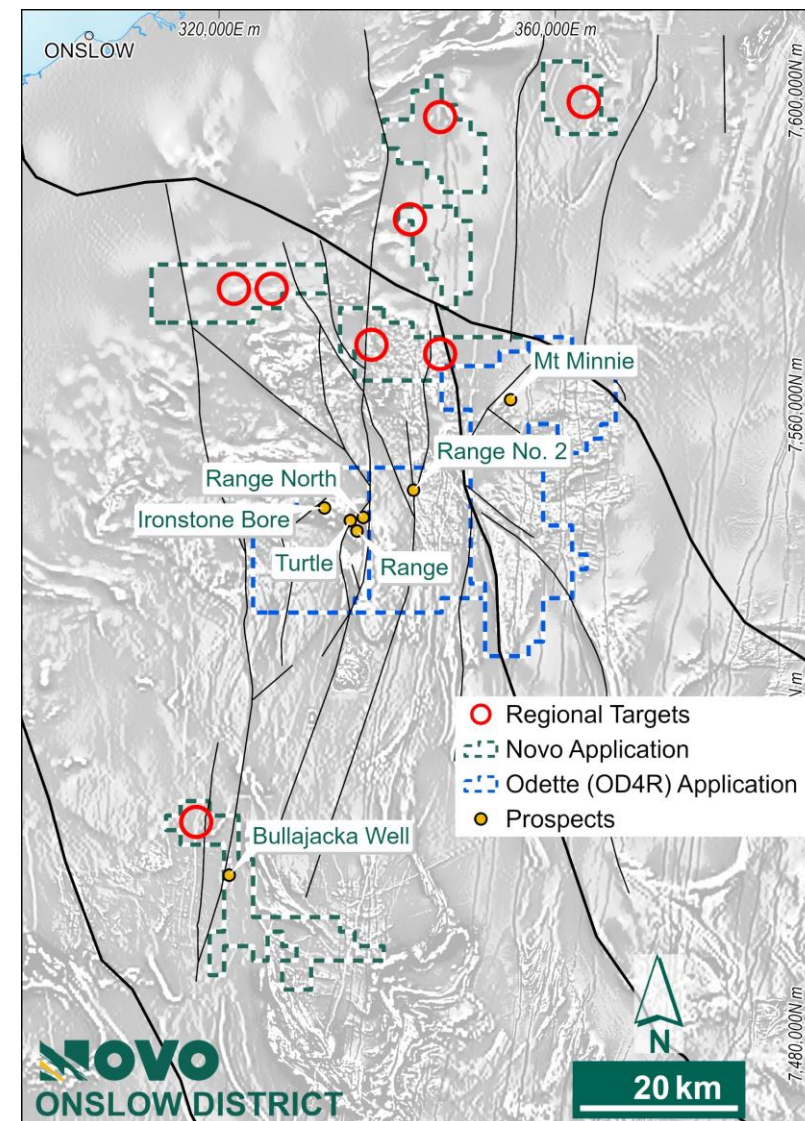
- **Ground consolidation by Novo has secured a strategic position in the Onslow District including approximately 1,520 sq km:**
 1. **Cane River Project:** Potential JV on **4 Exploration Licence applications (once granted)** totalling 890 sq km
 2. 100% Novo owned area of **6 Exploration Licence Applications totalling 634 sq km** under cover of the Edmund Basin
- **A highly prospective under-explored Terrain with substantial areas of untested shallow cover where prospectivity for intrusion-related systems is deemed high**
- The district has geochemical signatures of IRG, porphyry, IOCG and related deposit styles (epithermal, intermediate sulphidation etc.)
- Tenement package contains several old mining centres and numerous targets defined by gravity and magnetic anomalies and anomalous surface geochemistry



Toolunga Project Targets



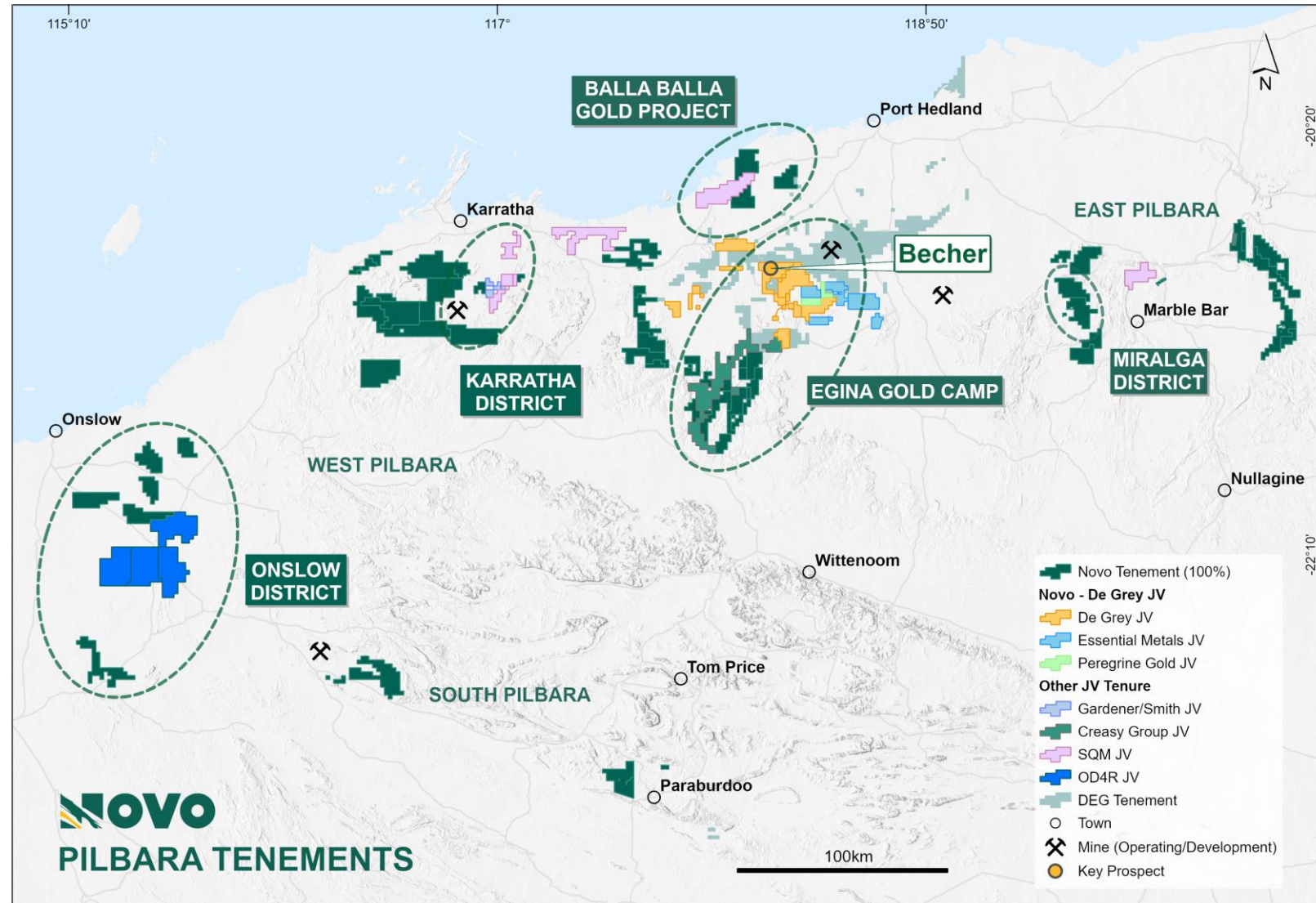
- Large geophysical targets (gravity-mag) with geochemical support
- Range N2 – Historic shaft sunk into a shear zone with peak rock chip samples of **3.1% Cu, 33% Pb and 125 ppm Ag – not drilled²**
- Bullajacka Well - Historic Cu-Au occurrence with rock chip results of **6.2% Cu, 0.19 ppm Au, 94 ppm Ag, 310 ppm Bi and 41 ppm Sb²**
- Mt Minnie – **km scale coincident mag & gravity anomaly** in triple junction between the Bandee Fault Lithospheric Boundary and the Mindle Shear Zone, with anomalous As-Cu-Pb-Zn stream samples
- Range North – Strongest Cu soil anomaly in WAMEX dataset for the area (147 ppm Cu) - parallel to a N-S structure



Large Landholding in Pilbara Resources Province



- ~5,500 sq km of prospective ground in the Pilbara
- De Grey has exceeded A\$7M minimum spend, of final A\$18 million spend at the Egina JV with exploration programs continuing
- AC drill targets defined at the **Balla Balla Gold Project** focus on a major flexure in the **Sholl Shear Zone**
- RC/AC drill targets defined in the **Karratha District**
- Porphyry and intrusion related targets under assessment in the East Pilbara at **Miralga**

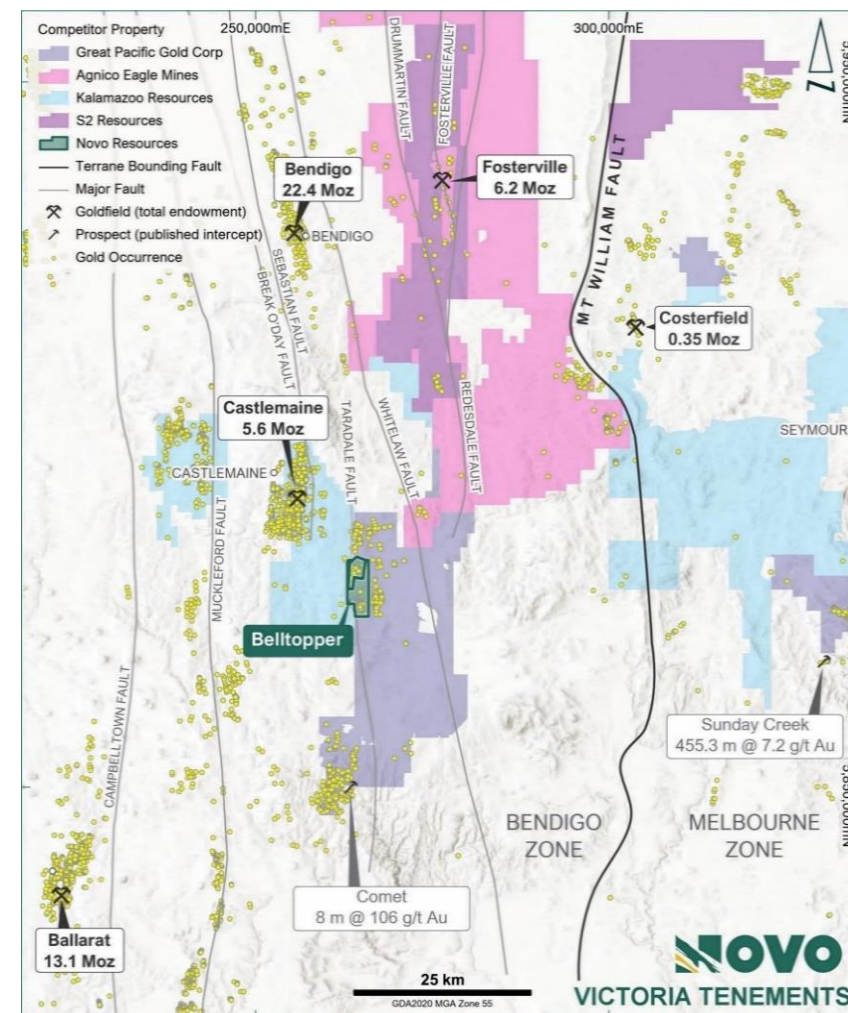


Belltopper Gold Project, Victoria

- Project located in the Bendigo Tectonic Zone, where over 60 Moz Au were produced historically
- **Belltopper displays characteristics of the epizonal orogenic gold deposit class comparable to Fosterville**
- **Belltopper Exploration Target** range of 320 koz to 570 koz Au⁴** was defined through geological modelling of priority seven high prospectivity reefs, following completion of 2024 drilling program
- Novo's evolving geology model has delineated multiple, high priority, drill-ready targets for further assessment in 2025

Metric	Low case (approximation)	High case (approximation)
Tonnage range	1.5 Mt	2.1 Mt
Grade range	6.6 g/t Au	8.4 g/t Au
Contained Au range	320 koz Au	570 koz Au

Refer to slide 18 for JORC Compliance Statement



** An Exploration Target as defined in the JORC Code (2012) is a statement or estimate of the exploration potential of a mineral deposit in a defined geological setting where the statement or estimate, quoted as a range of tonnes and a range of grade (or quality), relates to mineralisation for which there has been insufficient exploration to estimate a Mineral Resource. Accordingly, these figures are not Mineral Resource or Ore Reserve estimates as defined in the JORC Code (2012). The potential quantities and grades referred to above are conceptual in nature and there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource. These figures are based on the interpreted continuity of mineralisation and projection into unexplored ground often around historical workings. The Exploration Target has been prepared in accordance with the JORC Code (2012), as detailed in the Company's ASX announcement released on 25 September 2024 (available to view at www.asx.com.au). The Tonnage range for the exploration target is 1.5Mt to 2.1Mt, the Grade range is 6.6g/t Au to 8.4g/t Au and the Ounces range from 320koz Au to 570 koz Au. The Company confirms that it is not aware of any new information that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in the original market announcement continue to apply and have not materially changed. Dr Christopher Doyle (MAIG) and Dr Simon Dominy (FAusIMM CPGeo; FAIG RPGeo), are the qualified persons, as defined under National Instrument 43-101 Standards of Disclosure for Mineral Projects, responsible for, and having reviewed and approved, the technical information relating to the exploration target. Dr Doyle is Novo's Exploration Manager - Victoria and Dr Dominy is a Technical Advisor to Novo.

Novo's Enhanced Exploration Portfolio



BALLA BALLA GOLD PROJECT

Emerging project focused on the Sholl Shear Zone

- AC drilling in 2025 on the under-explored Sholl Shear Corridor

KARRATHA DISTRICT

New drill targets defined

- Advancing several drill gold, PGE and base metal targets with RC drilling planned in 2025

TOOLUNGA PROJECT - ONSLOW²

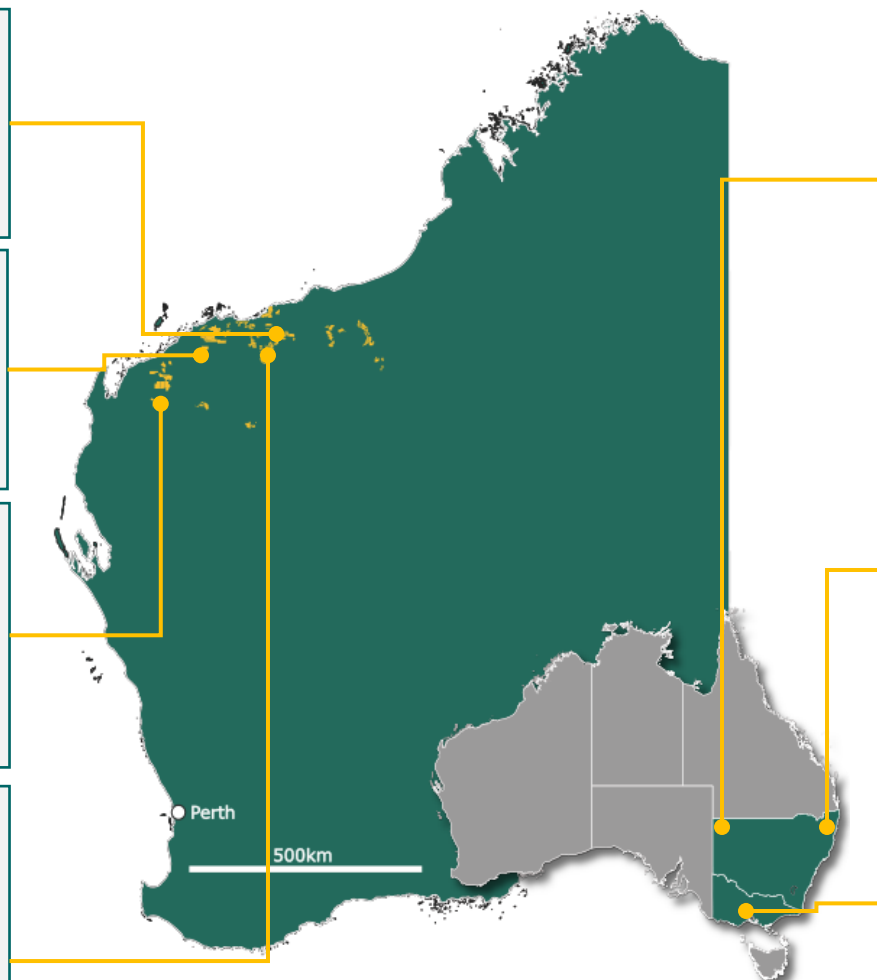
Consolidated prospective 1,520 km sq landholding

- **Emerging district at the junction of major tectonic boundaries with high prospectivity for intrusion-related gold**

EGINA JV

Partnering with De Grey in the Egina Gold Camp

- > 45,000 m RC/AC drilling completed at Becher by De Grey in 2024
- **De Grey completed A\$7 million minimum spend and continues investment highlighting significant potential of Becher³**



ALBERT GOLDFIELDS

Manhattan Corp. JV - Tibooburra Project

- Drill-ready high-grade gold targets at Clone and New Bendigo prospects
- **Standout results in RC drilling of 8 m @ 40.5 g/t Au from 70 m incl. 3 m @ 105.34 g/t Au¹**

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- **Standout results in RC drilling of 68 m @ 1.0 g/t Au from surf. incl. 23 m @ 2.02 g/t Au¹**

BELLTOPPER GOLD PROJECT

Targeting Fosterville 'style' mineralization

- **Exploration Target^{**} of 320 koz to 570 koz Au generated from several prospective reefs⁴**

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Novo Corporate Structure

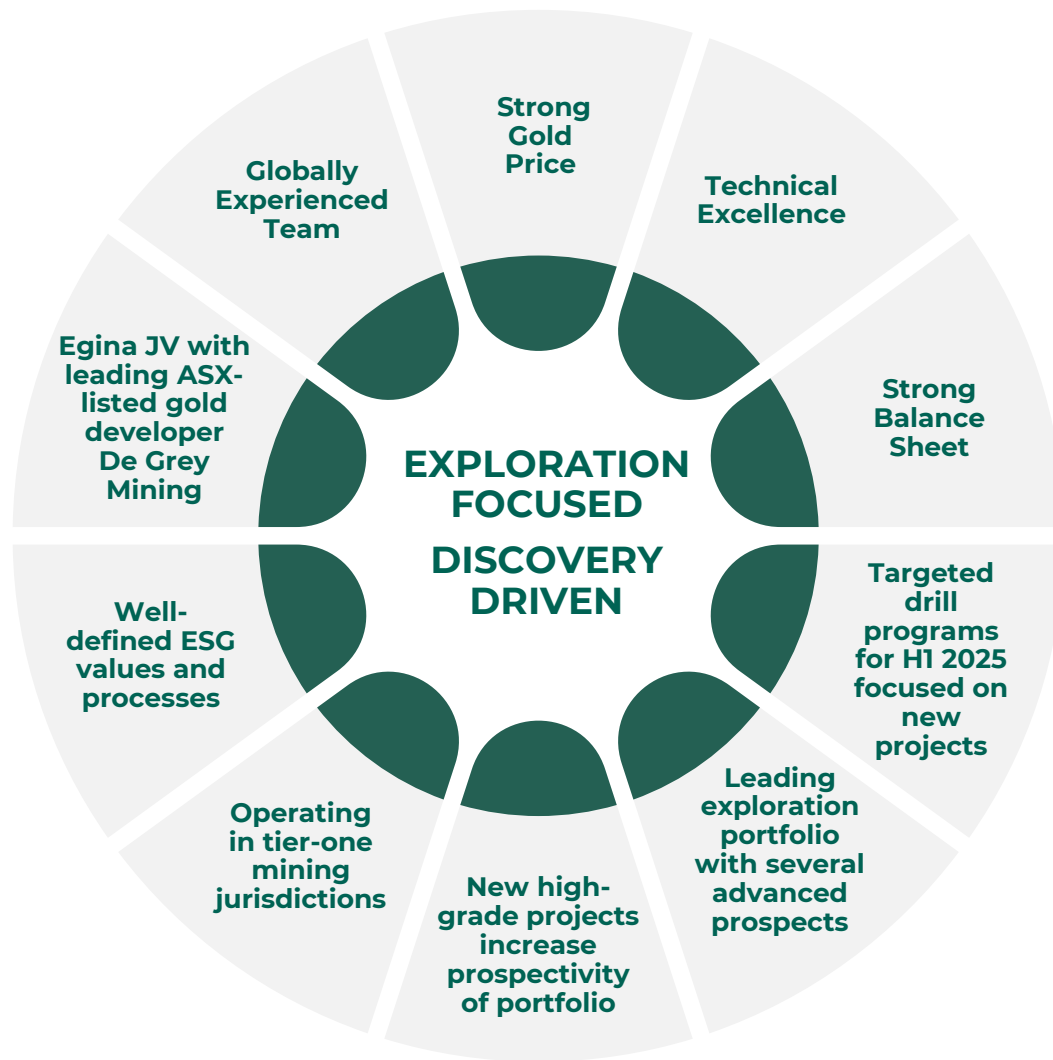


Novo		Current
Shares on Issue		355M
Market Capitalisation		A\$33.34M
Cash ^a		A\$12M
Liquid Marketable Securities*		A\$1M
Debt		-
Enterprise Value		A\$20.37M
Portfolio Valuation	Shares	Valuation
San Cristobal Mining Inc. (unlisted)	1.2M common shares	A\$20.05M
Elementum 3D (unlisted)	2M common shares	A\$22.86M
*Kalamazoo Resources (ASX:KZR)	10M ordinary shares	A\$0.74M
*GBM Resources (ASX:GBZ)	11.3M ordinary shares	A\$0.1M
*Kali Metals (ASX:KM1)	0.6M ordinary shares	A\$0.1M
Total Portfolio Value^b		A\$43.85M

Substantial Shareholders ^c	%
De Grey Mining Ltd	10.0%
Liatam Mining Pty Ltd	6.2%
IMC (Singapore)	5.7%
Mark Creasy/Creasy Group	4.4%
Crescat Capital	3.2%
Max & Gaylene Munday	2.7%
First Sentier Investors (Australia) IM Limited	2.3%
Harmanis Holdings Pty Ltd	1.4%
Donald Smith Value Fund LP	1.0%
Quinton Hennigh	1.0%

Please note the top 10 shareholders list excludes any Non-objective beneficial owners and Objective beneficial owners of TSX shares.

Focused on Delivering Shareholder Value



Surface mapping at the John Bull Project in New South Wales

Please refer to Novo's Corporate Presentation (16 December 2024) and News Releases dated (16 December 2024 and 6 February 2025) on our website for further details and references:

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Endnotes – Novo News Releases



	Date Released to ASX	Description
1	13 December 2024	Novo strengthens portfolio with two high-grade gold projects in NSW, Australia
2	11 December 2024	Novo secures strategic land position in the Onslow District Western Australia
3	10 October 2024	De Grey reaches A\$7m minimum spend at Egina Gold project and continues investment
4	25 September 2024	Belltopper mineralisation modelling defines prospectivity

JORC Compliance Statements

The information in this presentation that relates to previously reported exploration results at Novo's NSW and Onslow projects is extracted from each of the Novo announcements referred to in endnotes 1 and 2 above that were released to ASX, and which are available to view at www.asx.com.au. Novo confirms that it is not aware of any new information that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. Novo confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

The information in this presentation that relates to the Belltopper exploration target is extracted from Novo's announcement released to ASX on 25 September 2024 (Belltopper Mineralisation Modelling Defines Prospectivity), which is available to view at www.asx.com.au. Novo confirms that it is not aware of any new information that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in that market announcement continue to apply and have not materially changed. Novo confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.



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