



STAGED EXPLORATION AND DEVELOPMENT OF THE TUCKANARRA GOLD PROJECT

Company Presentation | Q3 2022 | ASX: ODY



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COMPETENT PERSONS STATEMENT

The information in this presentation that relates to exploration results are extracted from the Company's ASX announcements dated 4 September 2020, 22 October 2020, 27 November 2020, 14 January 2021, 3 February 2021, 9 February 2021, 22 February 2021, 19 April 2021, 4 May 2021, 19 May 2021, 26 May 2021, 3 June 2021, 2 July 2021, 21 July 2021, 28 July 2021, 14 October 2021, 2 November 2021, 15 June 2022, 25 July 2022. These announcements are available to view on the Company's website at www.odysseygold.com.au.

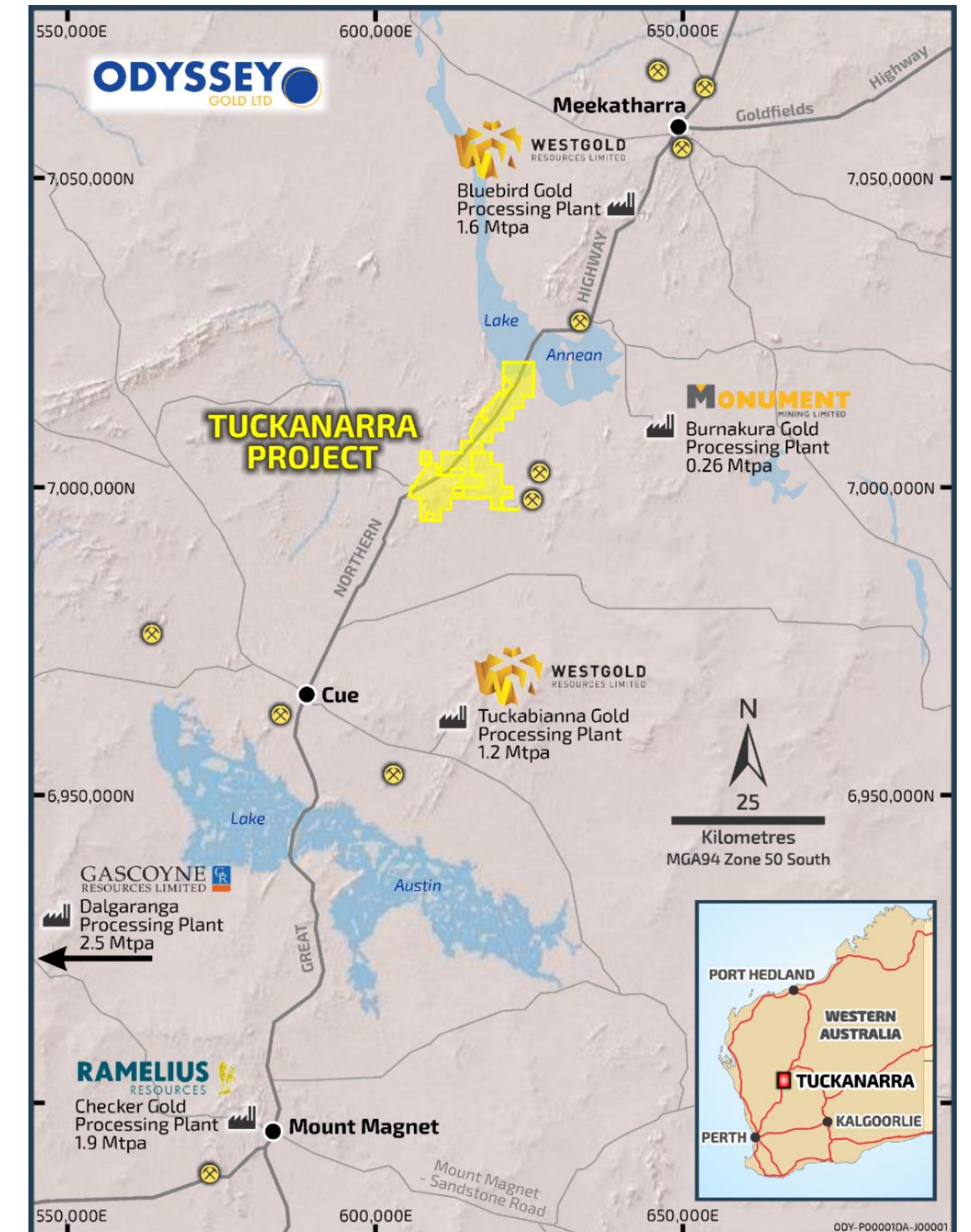
The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcements; that all material assumptions and technically parameters underpinning the content in the relevant ASX announcements continues to apply and have not materially changed; and that the form and context in which the relevant Competent Person's findings are presented have not been materially modified from the original ASX announcements.

This announcement has been approved in accordance with the Company's published continuous disclosure policy and authorised for release by the Managing Director.

Investment Highlights

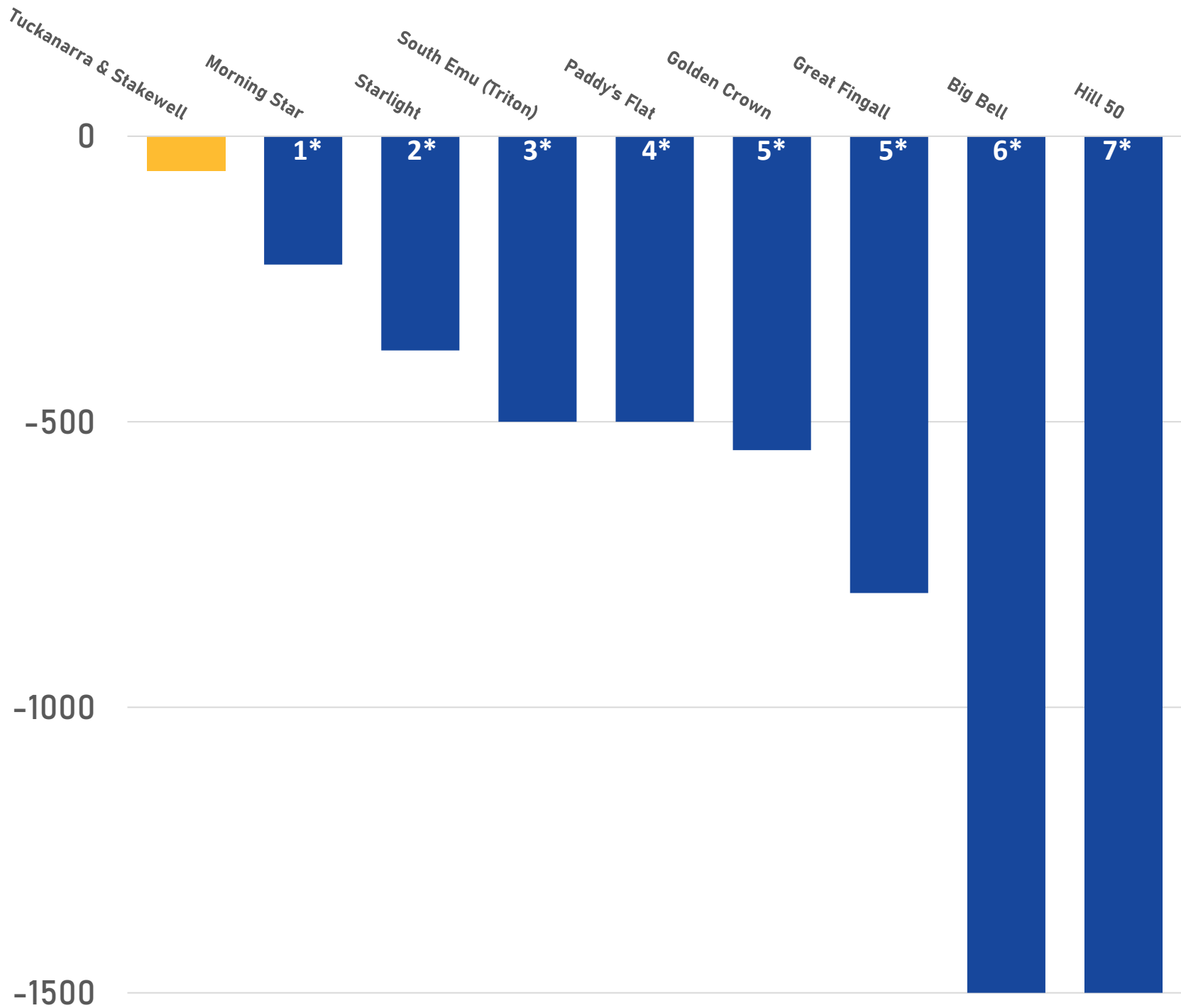
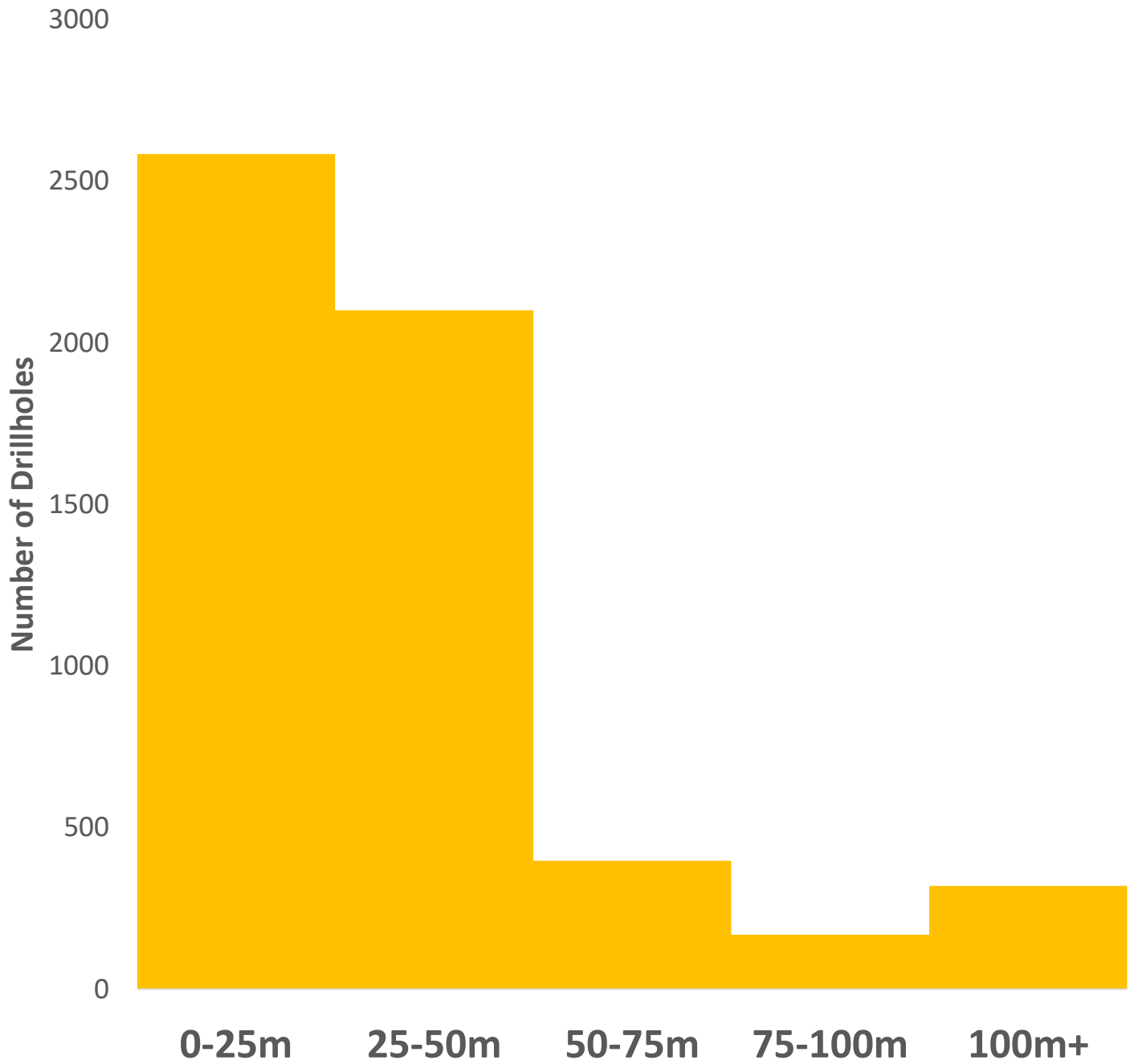
UNLOCKING THE SCALE AND POTENTIAL OF THE TUCKANARRA DISTRICT

- **Enviably position in the proven Murchison Goldfields, WA**
- **Drilling has grown the Cable-Bollard system along strike to 2km and to a vertical depth of 160m**
- **Previous mining at Cable-Bollard in the 1990's produced 52.9koz Au at an average grade of 3.4g/t Au from shallow oxide pits**
- **Recent drilling at Highway Zone has defined a new structure distinct from the Cable-Bollard trend**
- **Stunning drill results recorded in 2021 along 2+km of strike including:**
 - **2.3m @ 600.2g/t Au from 249m**
 - **24m @ 4.5g/t Au from 179m and**
 - **7m @ 14.3g/t Au from 112m**



Untested Depth Potential

- Tuckanarra has limited drilling at depth.
- The Murchison Goldfields are well known for high-grade ore shoots extending to +1,000m depth.



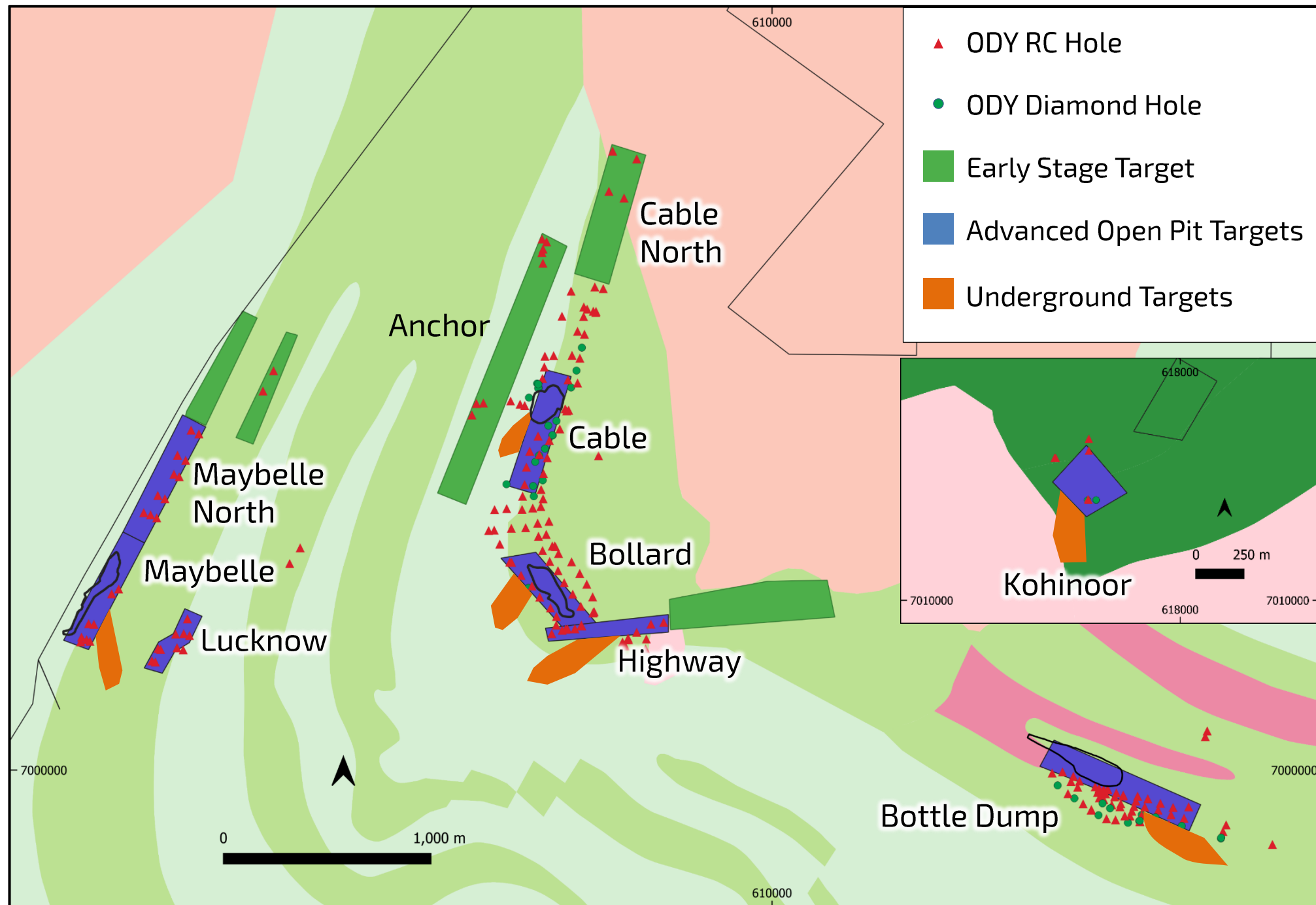
***Sources (See ODY Presentation 8 December 2021):**

1. Ramelius Resources Ltd (ASX:RMS) announcement dated 8 August 2017.
2. Westgold Resources Ltd (ASX:WGX) announcement dated 27 October 2021.
3. Westgold Resources Ltd (ASX:WGX) announcement dated 4 October 2019.
4. Westgold Resources Ltd (ASX:WGX) announcement dated 4 October 2019
5. Westgold Resources Ltd (ASX:WGX) announcement dated 4 October 2019.
6. Westgold Resources Ltd (ASX:WGX) announcement dated 4 October 2019.
7. Ramelius Resources Ltd (ASX:RMS) announcement dated 8 July 2010.

Staged Exploration and Development Approach

- 1 Targeting compelling extensions of the five historical high grade (2.5g/t) pits at Tuckanarra. Substantial exploration success already achieved.**
- 2 Monetise resources defined utilizing extensive regional processing capacity. Discussions with potential mining and processing partners for toll treating, joint venture or sale as resources are developed.**
- 3 Successful development of open pits will finance ongoing exploration of the emerging high grade shoot targets identified below the open pits.**
- 4 Pursue priority early stage targets never drilled**

Pathway to Maiden JORC Resource



***45km of drilling since 2020 will form the basis
for a maiden JORC Resource***



Highway Zone

New regional structure and distinct from the 2km long Cable-Bollard Trend

- Recent drilling has returned encouraging results including*:

CBRC0056

- 5m @ 3.8g/t Au (170m)
- 13m @ 3.7g/t Au (180m)
- 11m @ 7.8g/t Au (199m) including 6m @ 13.8g/t Au (199m)

CBRC0058

- 4m @ 7.1g/t Au from (156m)

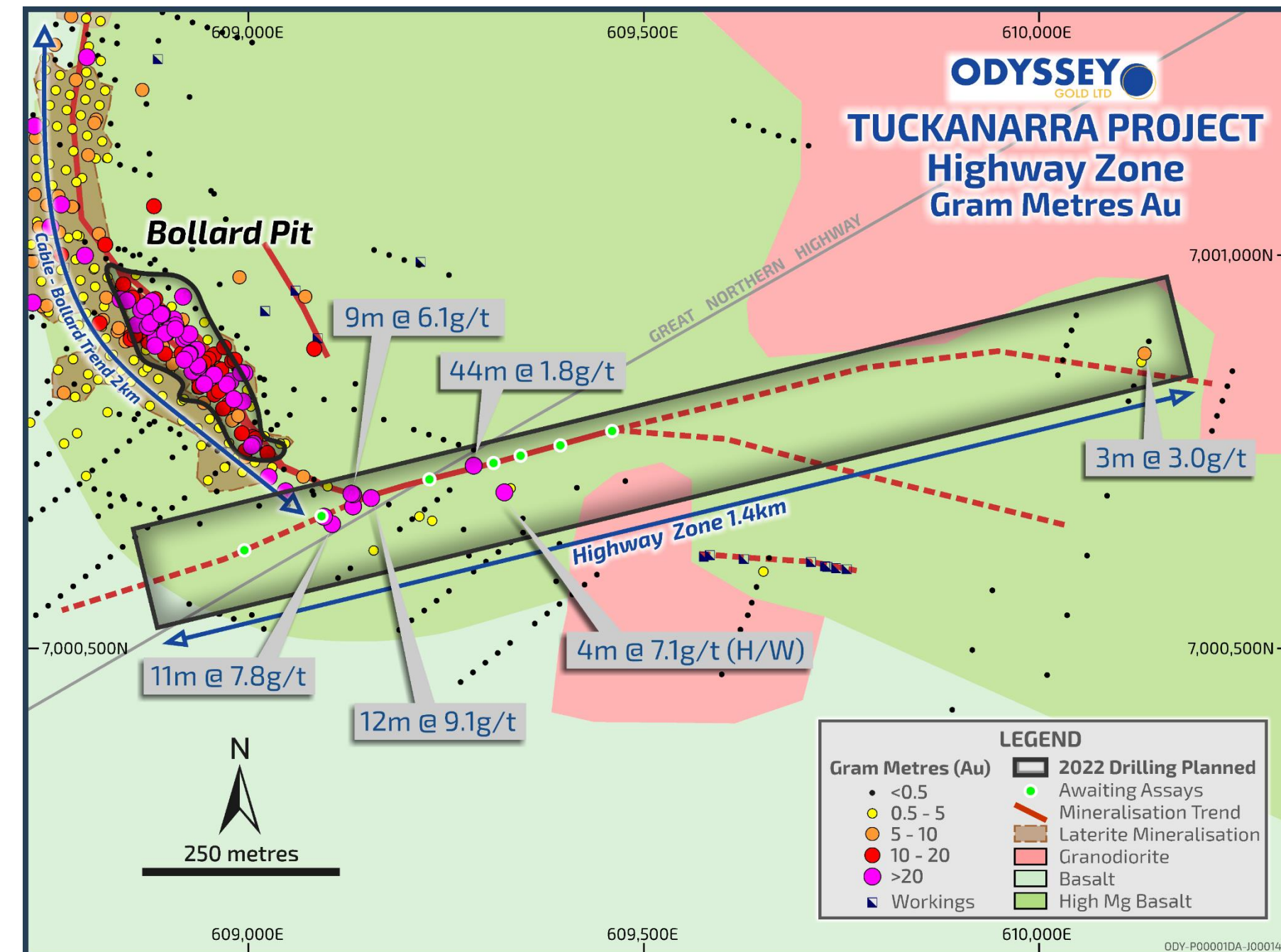
TCKRC0100

- 12m @ 9.1g/t Au (from 132m)

- Significant width of mineralisation confirmed with east and west dipping holes intersecting >40m downhole widths.

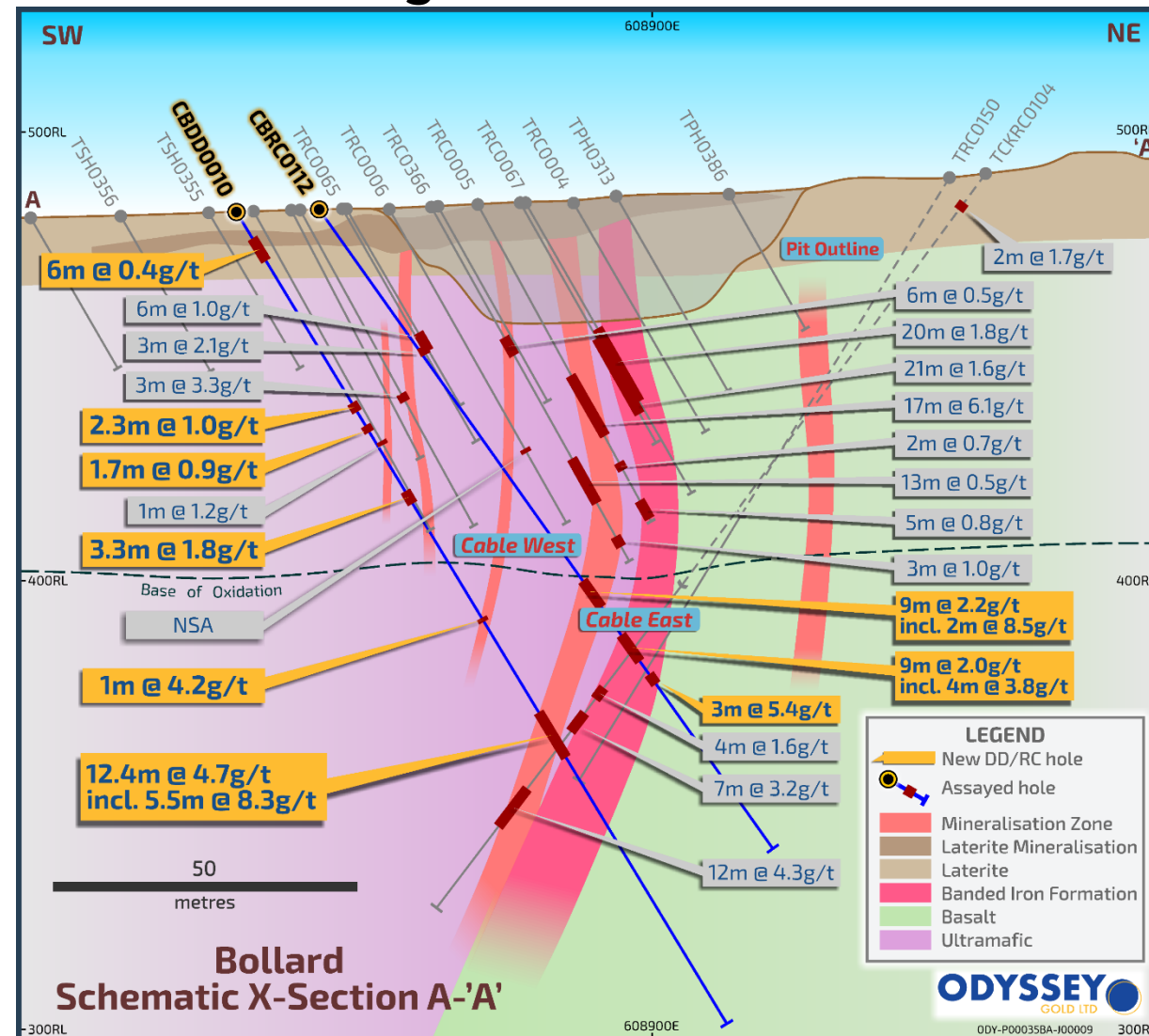
- True width of the full width of the Highway Zone structure is estimated to be 12-20m

- Open towards 3m @ 3.0g/t Au in RAB drilling 650m to the east

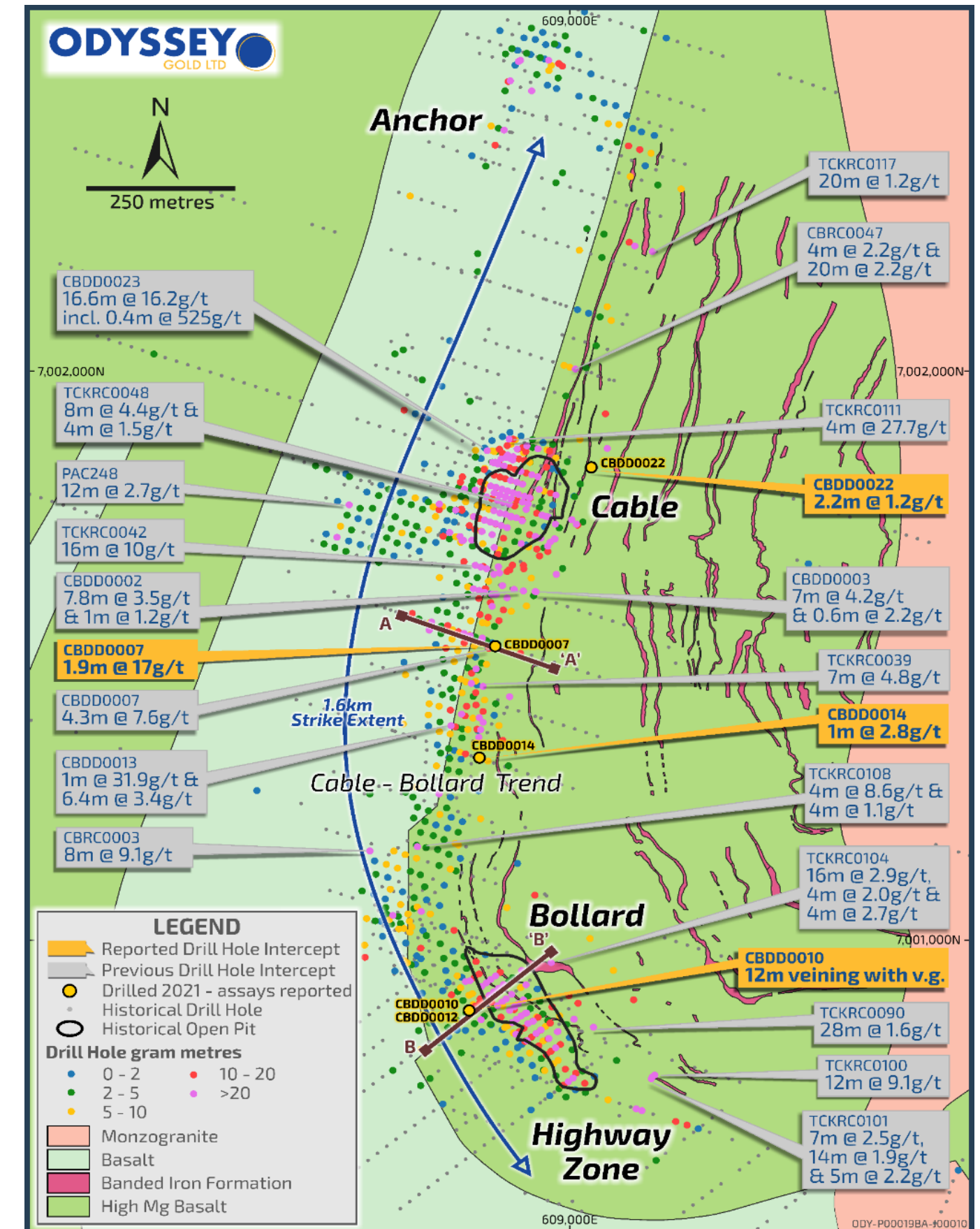


Cable-Bollard Trend – A Scalable Opportunity

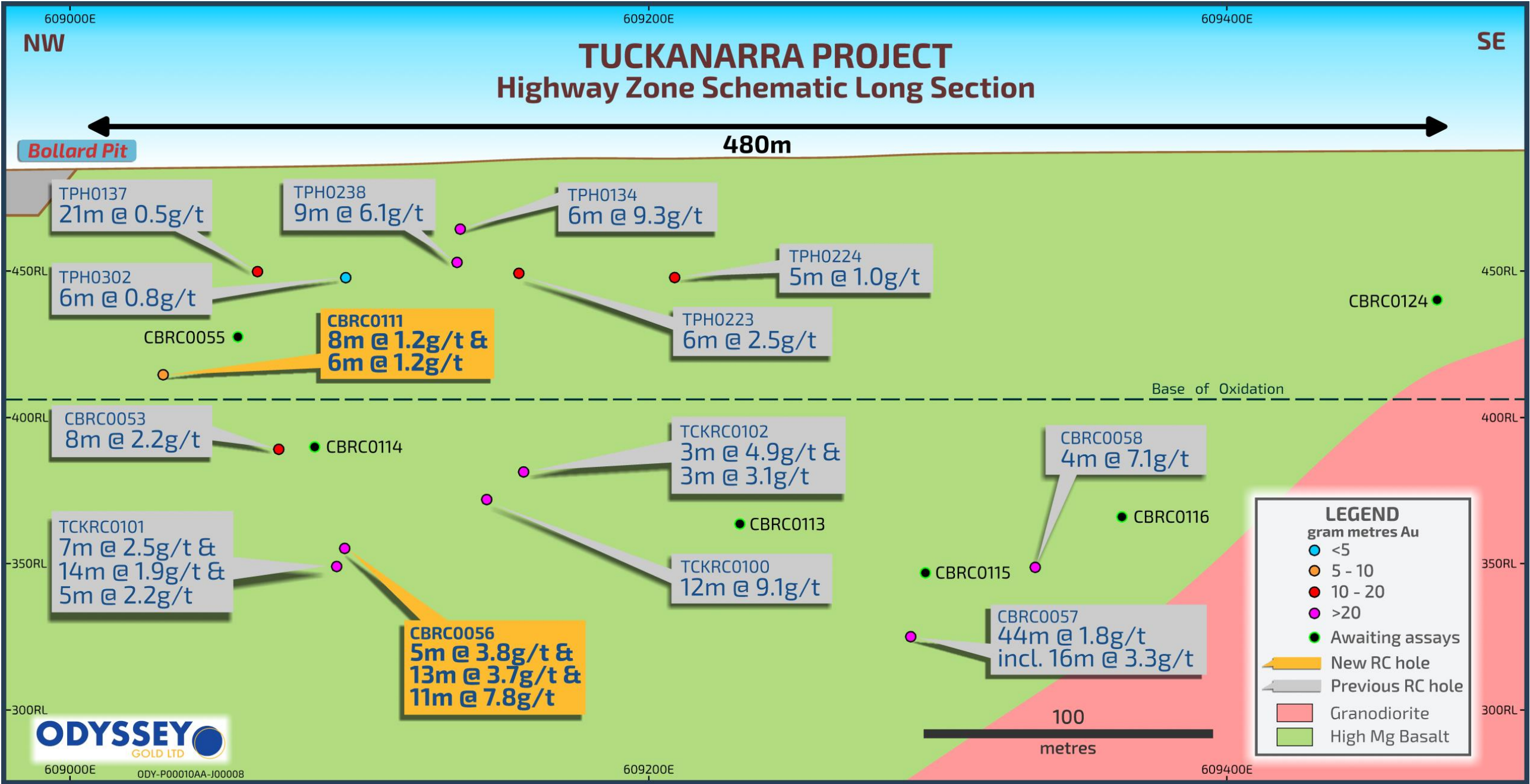
- Previous resource development and open pit mining was focused on laterite and oxide mineralisation due to low gold prices
- Odyssey has recognised the potential for significant strike and plunge extensions to the mineralisation
- **Mineralisation now extending over 2km of strike and to a vertical depth of 160m**



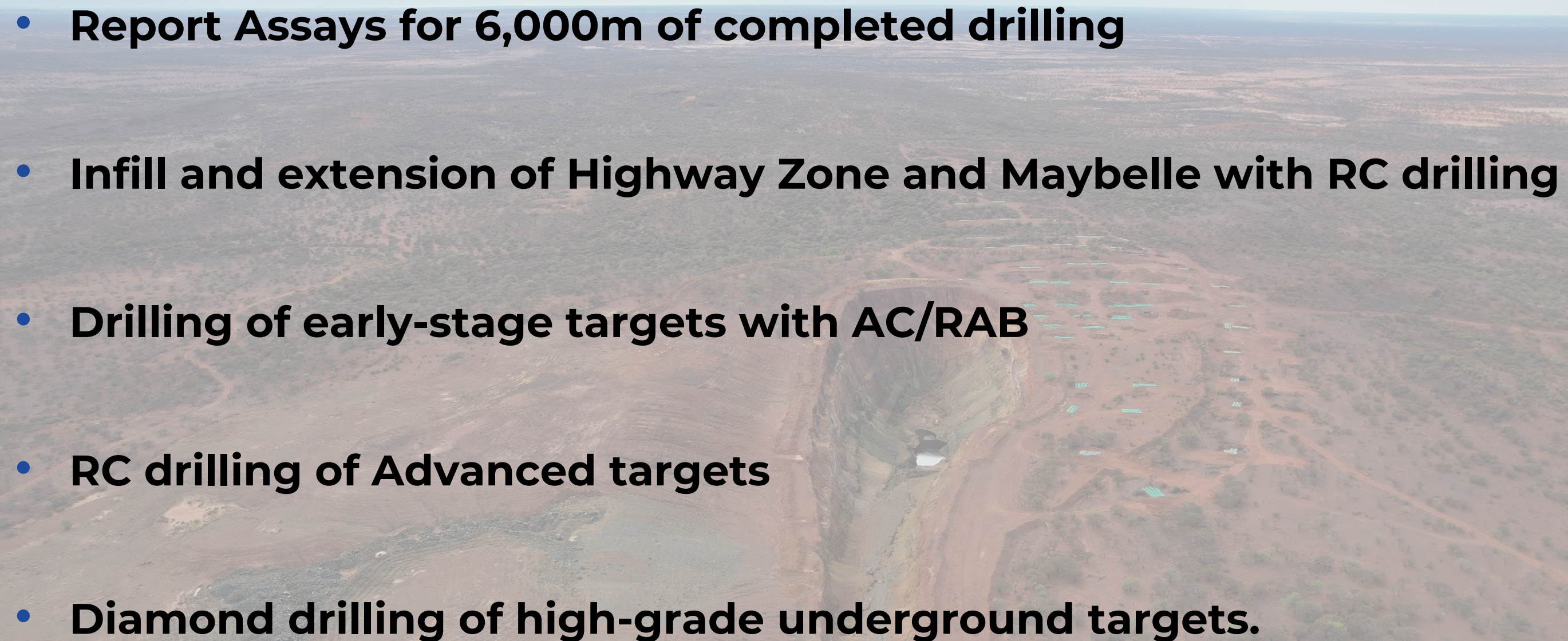
Multiple parallel structures extending to depth



Cable-Bollard | Highway Zone Extension



480m eastern extension to the Cable-Bollard mineralisation

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- **Report Assays for 6,000m of completed drilling**
 - **Infill and extension of Highway Zone and Maybelle with RC drilling**
 - **Drilling of early-stage targets with AC/RAB**
 - **RC drilling of Advanced targets**
 - **Diamond drilling of high-grade underground targets.**

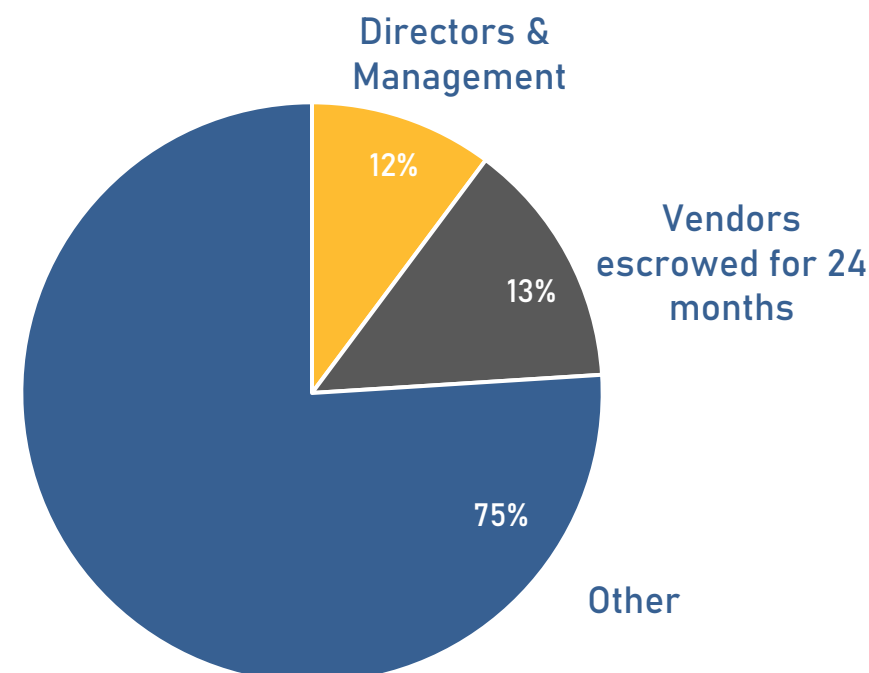
Board & Management with a proven track record

CAPITAL STRUCTURE

ODY SHARES ON ISSUE	612.43M
PRICE (as at 26/07/2022)	A\$0.045
MARKET CAPITALISATION	A\$27.5m
CASH (as at 30/06/2022)	A\$3.5m
OPTIONS AND PERFORMANCE RIGHTS	127.7m
PERFORMANCE SHARES (subject to vesting conditions) ⁱ	50.00m

ⁱ Subject to a delineation of an independently assessed JORC Code inferred resource of at least 200,000 ounces of gold at a minimum resource grade of 6.5g/t Au at the Project, within 30 months from completion of the Stakewell Acquisition.

OWNERSHIP STRUCTURE



BOARD OF DIRECTORS

Ian Middlemas – **Chairman**

Highly regarded Chairman and resources executive. Mr Middlemas is currently the Chairman of a number of publicly listed companies.

Matt Briggs – **Managing Director & CEO**

25-year career in gold exploration and development, WMC, Barrick, Group Head of Strategic Planning at Gold Fields, Managing Director of Prodigy Gold.

Levi Mochkin – **Director**

+30 years advising companies in the resources sector, identifying projects, raising \$1Billion + for mining projects. Mr Mochkin was a founder and director of Piedmont Lithium Ltd.

Matt Syme – **Director**

Chartered Accountant with +27 years' experience as an accomplished mining executive. Considerable experience in managing mining projects in a wide range of commodities and countries.

Robert Behets – **Director**

+30 years' experienced geologist with extensive corporate and management experience, including roles with WMC and Mantra Resources (Managing Director).

SENIOR MANAGEMENT

Steve Le Brun – **Geology Manager**

30+ years of international geology, corporate and management experience in base gold and specialty metals throughout Europe, Africa, the Americas, CIS and Australasia.

ASX: ODY

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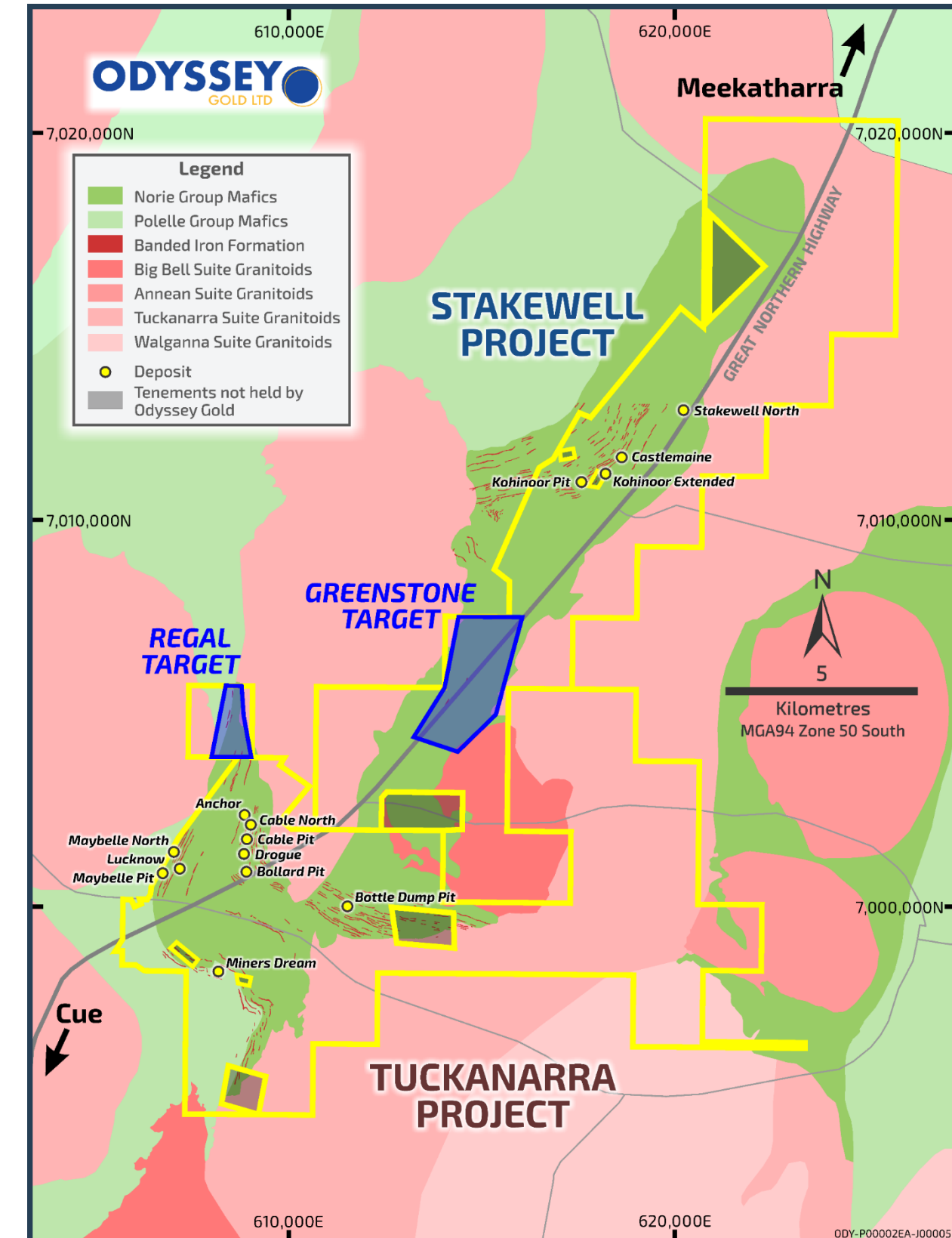
Appendix 1: Stakewell | Early-stage targets

Greenstone Target

- Initial focus on 8km of the 18km long Singleton Formation greenstone between the Stakewell and Tuckanarra projects where folding for greenstones coincides with regional fault flexure.
- The Highway Greenstones are largely unexplored due to surface cover and no outcrop
- Similar stratigraphic sequences to those at the Reedy mining area (Westgold)
- Aircore/RAB with lithogeochem planned

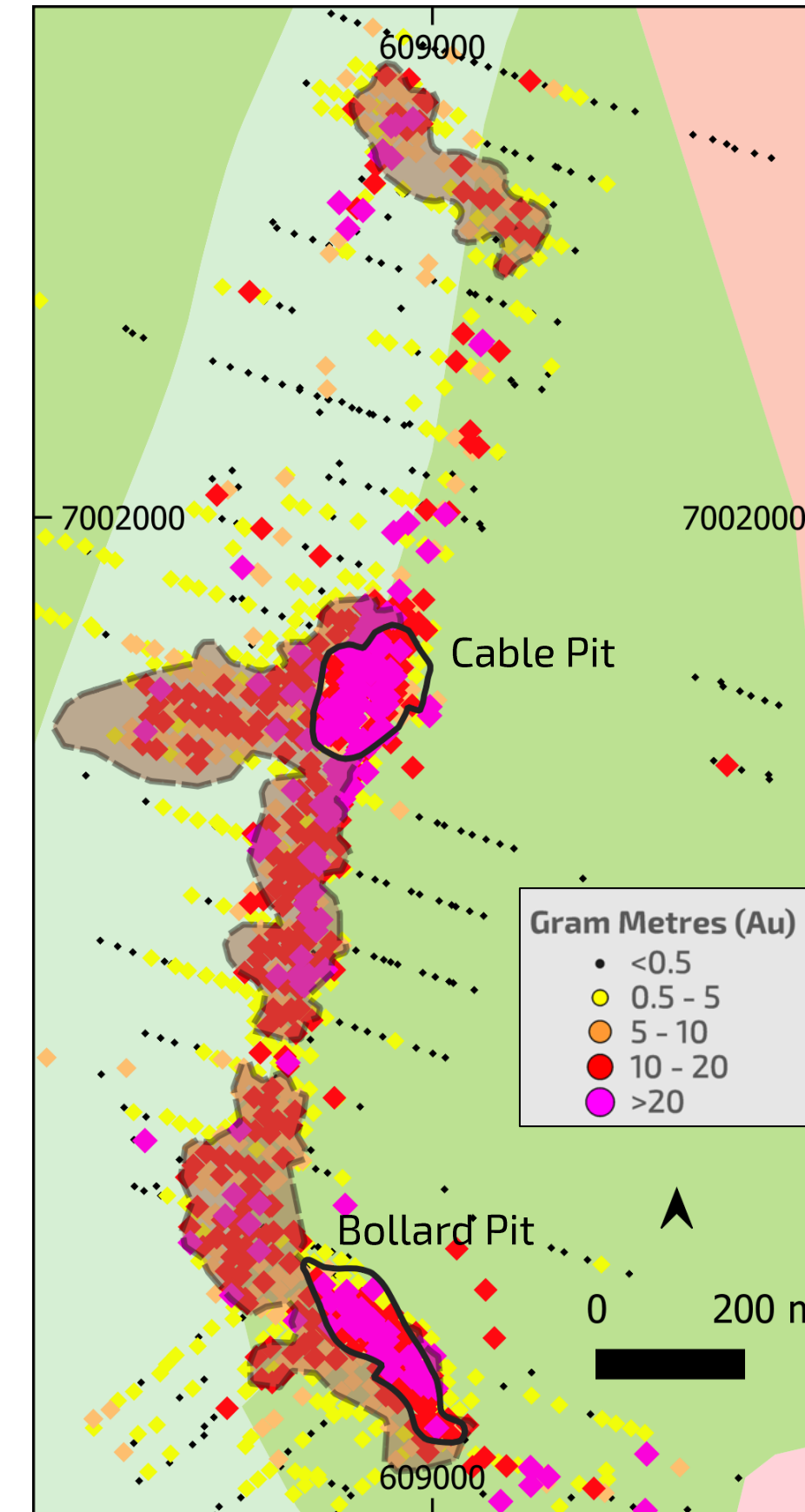
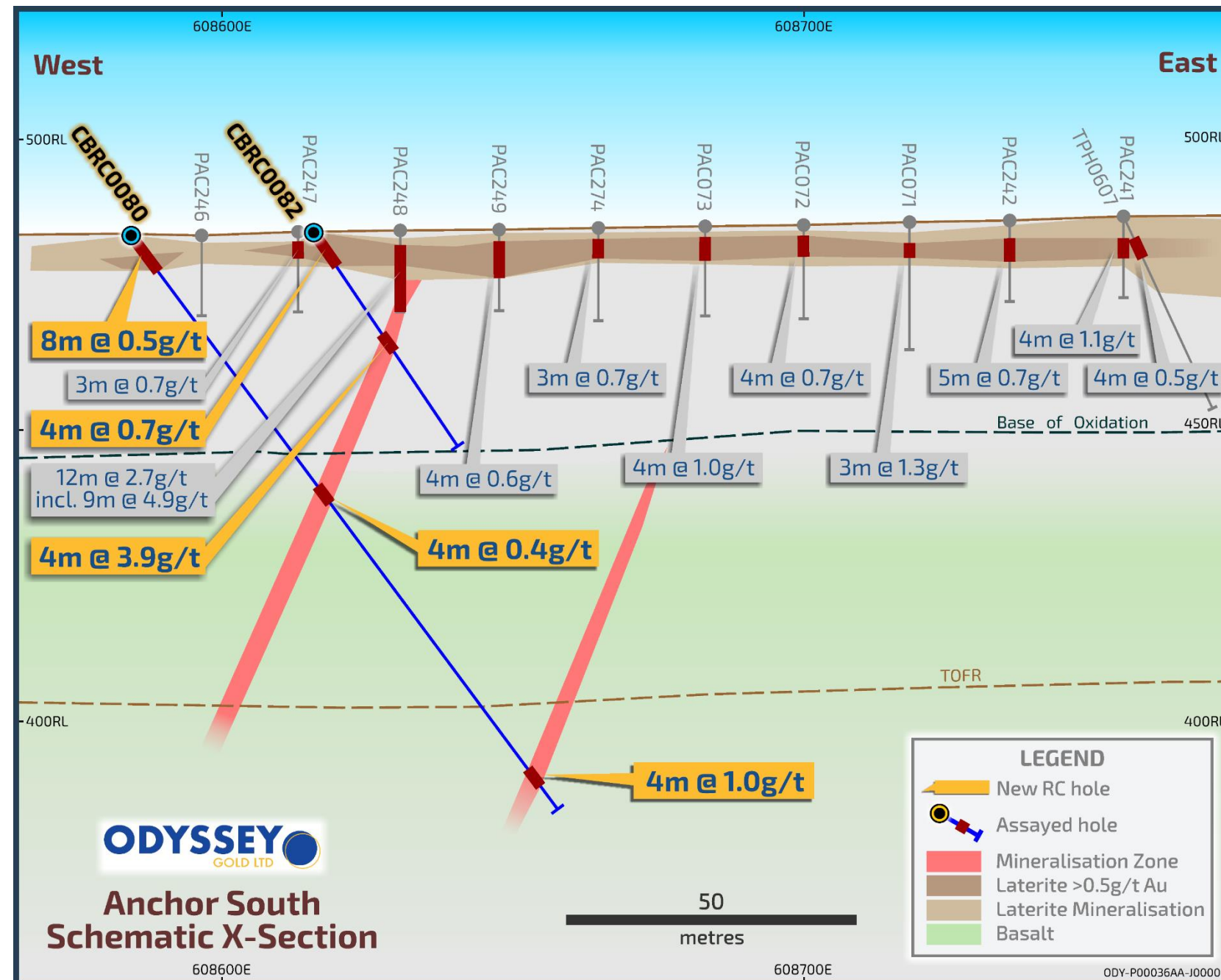
Regal Target

- 1.8km of prospective stratigraphy with no drilling
- Historical gold workings, but no modern exploration
- Detailed mapping, soil sampling and RAB drilling are planned



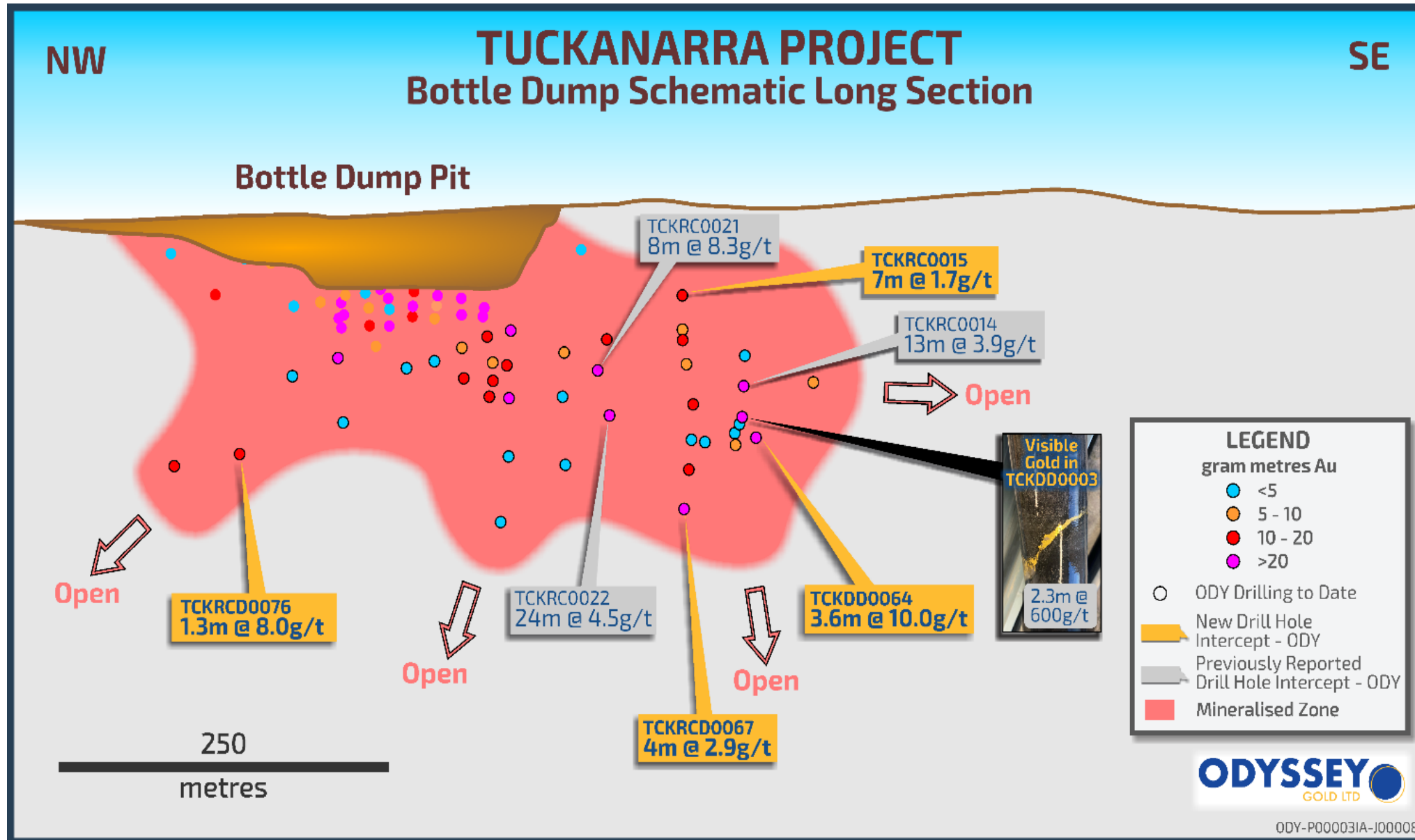
Appendix 2: Significant Oxide Mining Potential

- 1km laterite mineralisation blanket along Cable-Bollard trend
- Thick oxide mineralisation at surface
- Low-cost processing options available including trucking to nearby mills

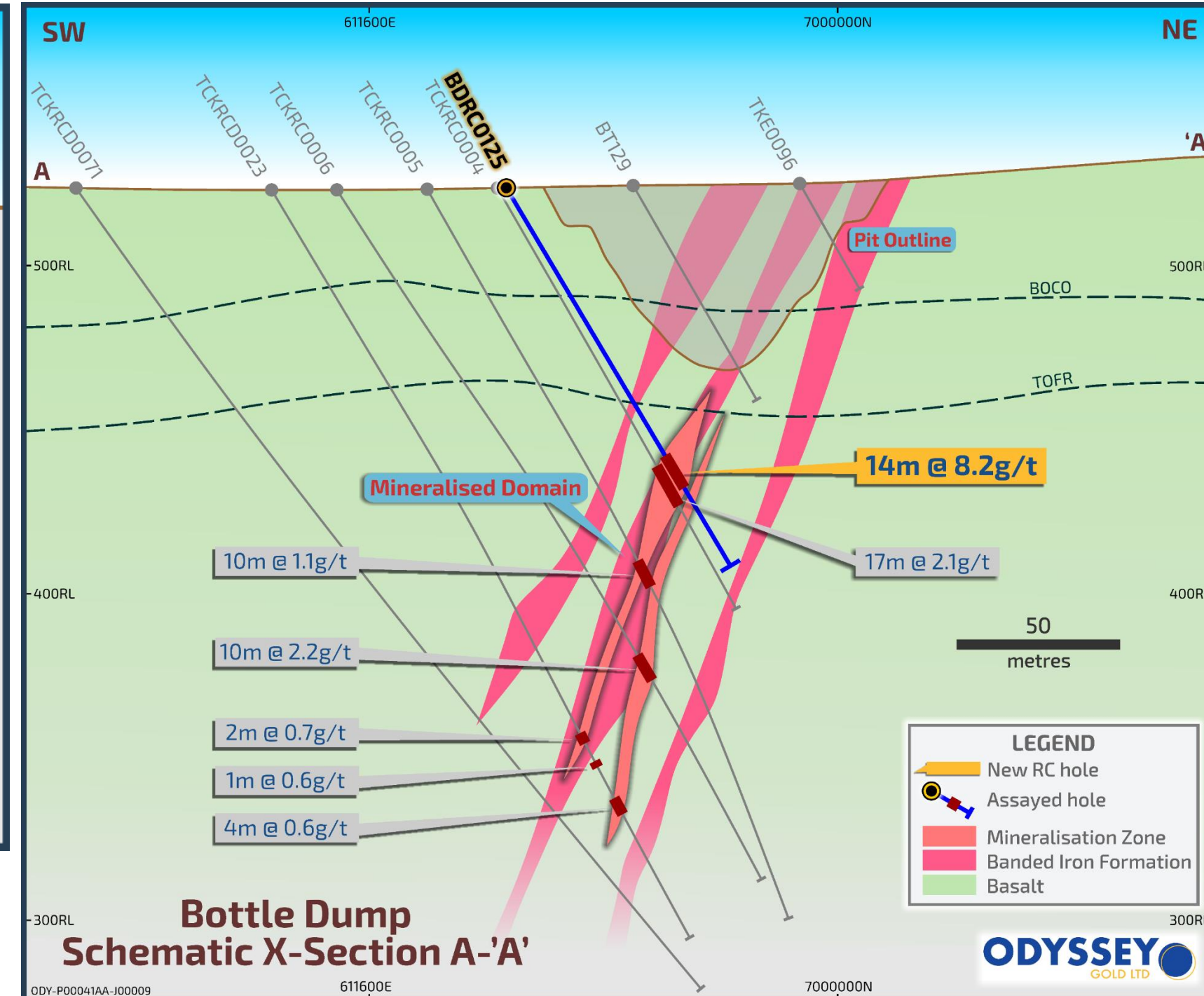


Laterite and oxide mineralisation outlined at Cable-Bollard

Appendix 3: Bottle Dump



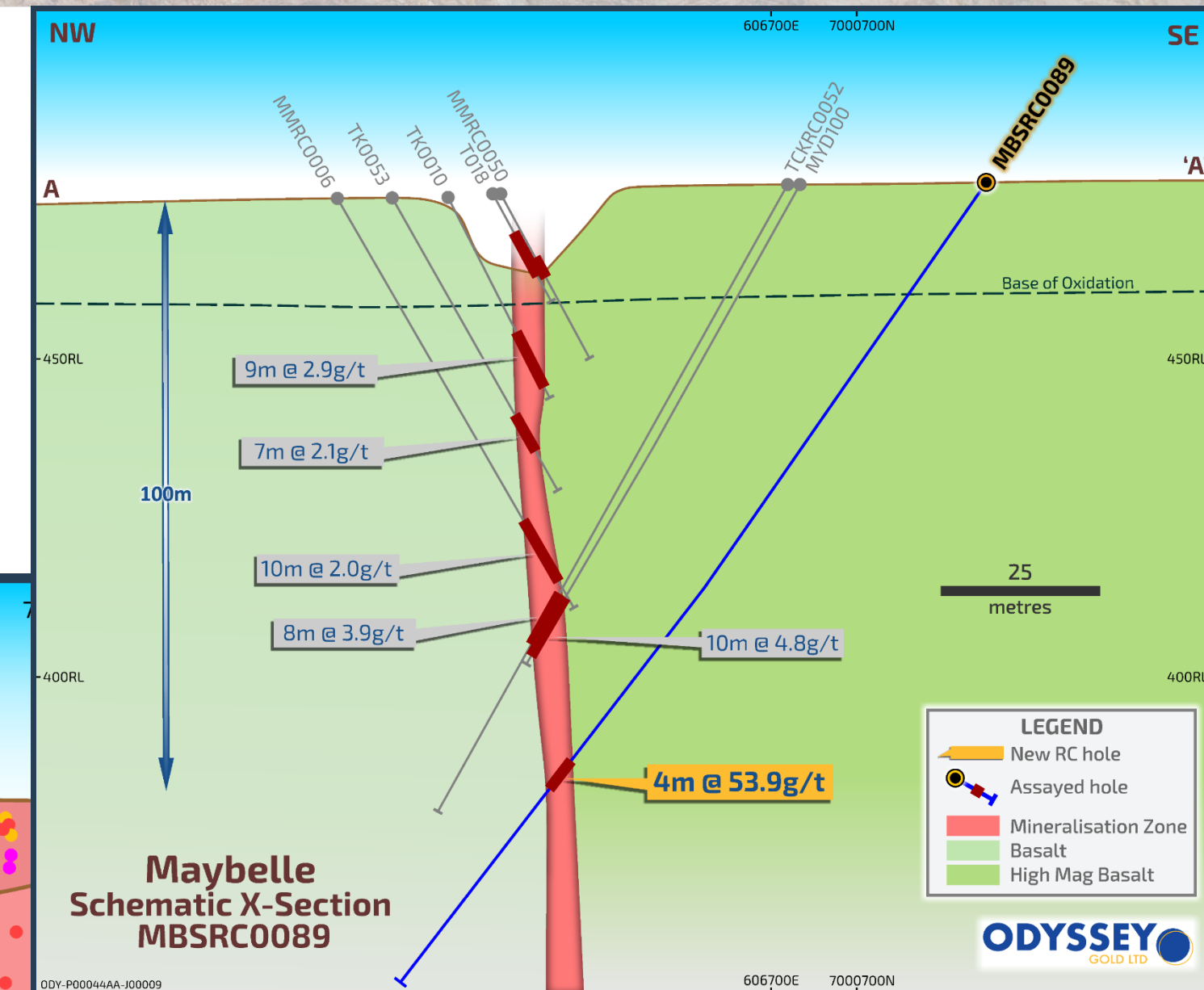
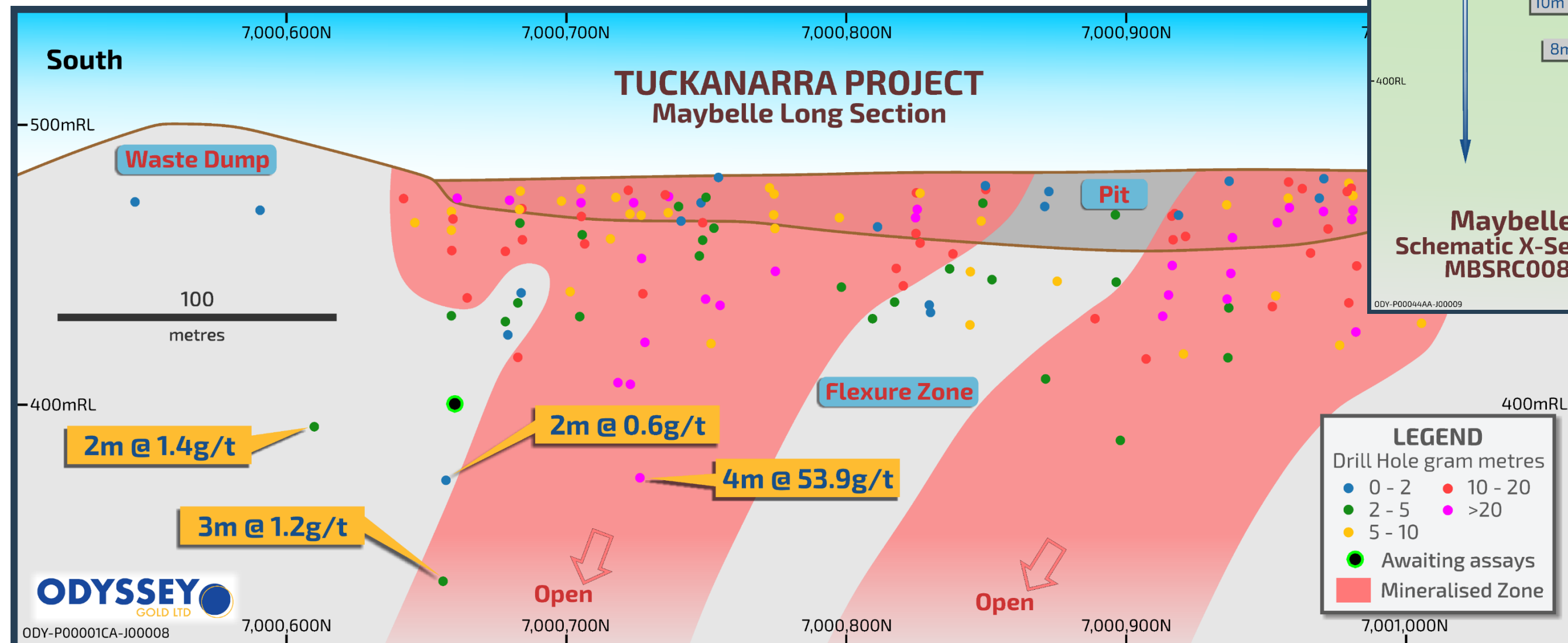
- Previously mined at >3g/t Au
- Mineralisation exposed in base of pit.
- High grade shoot defined for 360m plunge
- Standalone project 2km East of Cable-Bollard



- Recent result of **14m @ 8.2g/t Au** from 28m below the pit

Appendix 4: Maybelle

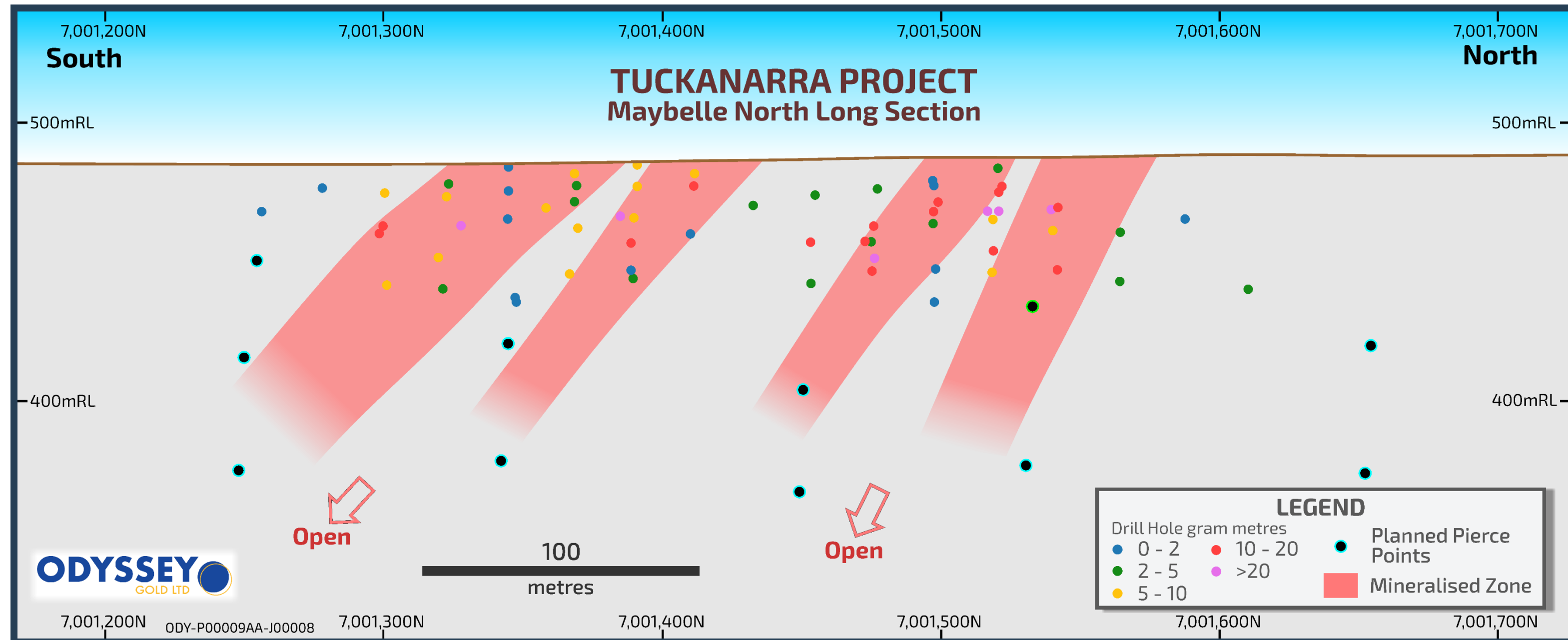
- Mineralisation exposed at the base of shallow pit
- Potential cutback of open pit
- High grade plunges defined in Odyssey Gold drilling
- Result of **4m @ 53.9g/t Au¹** demonstrates 100m of vertical continuity



¹Refer ASX announcement 25 July 2022

Appendix 5: Maybelle North

- Not previously mined
- Shallow oxide Au mineralisation at surface extending for 460m
- 11 holes recently completed (assays pending) to screen for high grade depth extensions



Appendix 6: Stakewell - Kohinoor

- Potential for further depth extensions of Kohinoor shoot
- Potential cutback of open pit
- Potential for additional stacked lodes, which have only been drilled near surface

