



Genesis Minerals Limited

ASX Code: GMD

## Dawn of Australia's next mid-tier gold Company

Resources Rising Stars, 14-15 October 2021



Growing a new high-grade Australian gold project in a Tier-1 location



## Forward-Looking Statements

Some statements in this report regarding estimates or future events are forward looking statements. They include indications of, and guidance on, future matters. Forward looking statements include, but are not limited to, statements preceded by words such as “planned”, “expected”, “projected”, “estimated”, “may”, “scheduled”, “intends”, “anticipates”, “believes”, “potential”, “could”, “nominal”, “conceptual” and similar expressions. Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward looking statements may be affected by a range of variables that could cause actual results to differ from estimated results and may cause the Company’s actual performance and financial results in future periods to materially differ from any projections of future performance or results expressed or implied by such forward looking statements. These risks and uncertainties include but are not limited to liabilities inherent in mine development and production, geological, mining and processing technical problems, the inability to obtain any additional mine licenses, permits and other regulatory approvals required in connection with mining and third party processing operations, competition for among other things, capital, acquisition of reserves, undeveloped lands and skilled personnel, incorrect assessments of the value of acquisitions, changes in commodity prices and exchange rate, currency and interest fluctuations, various events which could disrupt operations and/or the transportation of mineral products, including labour stoppages and severe weather conditions, the demand for and availability of transportation services, the ability to secure adequate financing and management’s ability to anticipate and manage the foregoing factors and risks. There can be no assurance that forward looking statements will prove to be correct.

This announcement has been prepared in compliance with the JORC Code (2012) and the current ASX Listing Rules.

## JORC Code

It is a requirement of the ASX Listing Rules that the reporting of (amongst other things) exploration results and mineral resources in Australia comply with the 2012 edition of the Joint Ore Reserves Committee’s Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (“JORC Code”). Investors outside Australia should note that while mineral resource estimates of the Company in this document comply with the JORC Code (such JORC Code mineral resources being “Mineral Resources”), they may not comply with the relevant guidelines in other countries and, in particular, do not comply with (i) National Instrument 43-101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators (the “Canadian NI 43-101 Standards”); or (ii) Industry Guide 7, which governs disclosures of mineral reserves in registration statements filed with the US Securities and Exchange Commission (the “SEC”). Information contained in this document describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws. In particular, Industry Guide 7 does not recognise classifications other than proven and probable reserves and, as a result, the SEC generally does not permit mining companies to disclose their mineral resources in SEC filings. You should not assume that quantities reported as “resources” will be converted to reserves under the JORC Code or any other reporting regime or that the Company will be able to legally and economically extract them.

## Competent Person’s Statement

The information in this report that relates to Exploration Results is based on, and fairly represents, information compiled by Mr. Michael Fowler, a Competent Person who is a full-time employee of the Company, a shareholder of Genesis Minerals Limited and is a member of the Australasian Institute of Mining and Metallurgy. Mr. Fowler has sufficient experience which is 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’. Mr. Fowler consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Information in this report that relates to Mineral Resources is based on, and fairly represents, information compiled by Mr Paul Payne, a Competent Person who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Payne is a full-time employee of Payne Geological Services and is a shareholder of Genesis Minerals Limited. Mr Payne has sufficient experience that is 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”. Mr Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Full details of the Ulysses Mineral Resource estimate are provided in the Company’s ASX announcement dated 29 March 2021 and entitled “Ulysses Mineral Resource increases to 1.6 Million Ounces”. The Company confirms that it is not aware of any new information or data that materially affects the information included in that original market announcement dated 29 March 2021 and the Company confirms that all material assumptions and technical parameters underpinning the mineral resource estimates in that market announcement continue to apply and have not materially changed.

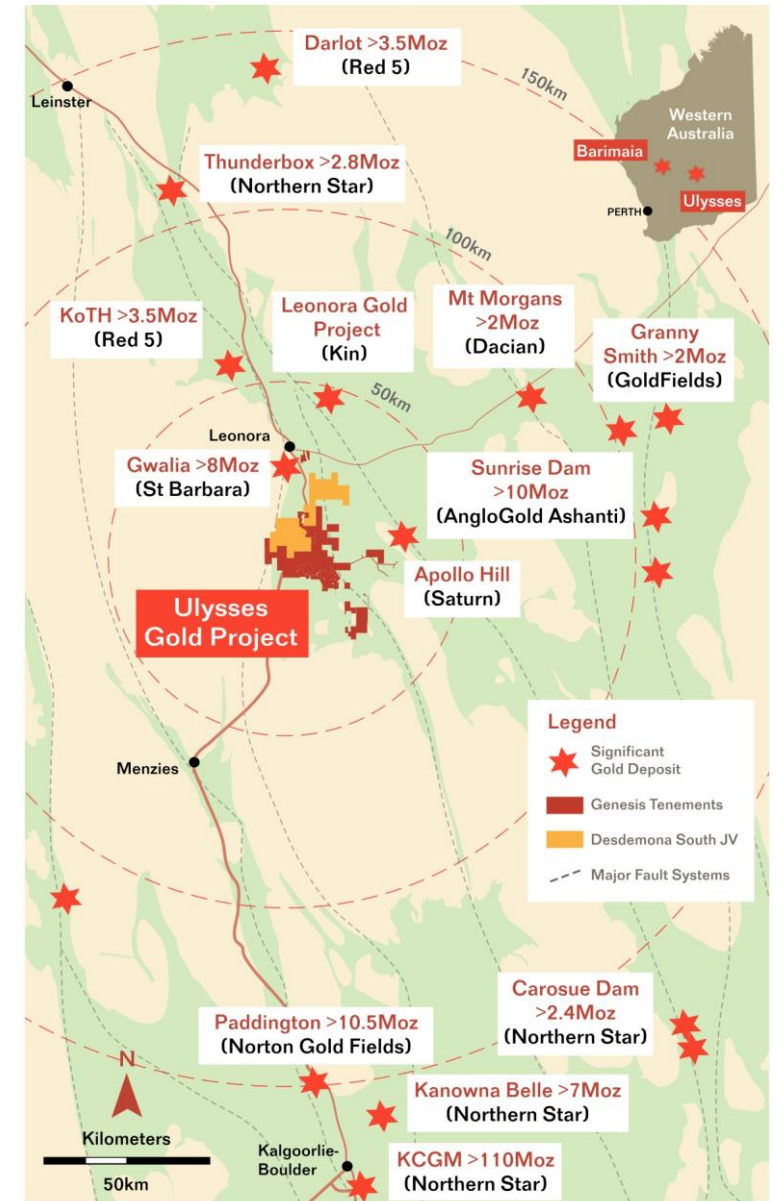
**Release authorised by:** Michael Fowler, Managing Director, Genesis Minerals Limited

# Why Genesis?



- ▶ **Location** – prime tenement holding in Eastern Goldfields of WA
- ▶ **Rapid growth** – Resource has grown from **0.32Moz to 1.6Moz<sup>1</sup>** in 3 years
- ▶ **Dollars in the ground** – we have invested **\$25m** in exploration and feasibility study work since 2018
- ▶ **Strategic M&A** – last year's acquisition of the Kookynie tenements has proven to be a game-changer
- ▶ **Exceptional results** – some of the better drilling results seen in the junior gold sector in WA in recent times; including new shallow discovery at Puzzle North
- ▶ **Planned \$20.8m strategic funding and Board restructure**
- ▶ **Development potential high** – However delivery of Feasibility Study now deferred to allow scope of the study to be reassessed and optimised, having regard to recent exploration results, ongoing resource growth and proposed Board and management changes
- ▶ **Significant growth opportunities remain** – +60,000m of drilling to be completed in 2H CY2021 to feed into next resource update

<sup>1</sup> Refer to the ASX announcement dated 29 March 2021 for full details of the Mineral Resource estimate for the Ulysses Gold Project and Kookynie tenements



# Strategic Funding and Board Restructure



- ▶ **\$20.8m strategic funding package<sup>1</sup> led by former Saracen and Northern Star MD Raleigh Finlayson**
  - ▶ *Consisting of a \$16m share Placement at 6c per share and a non-renounceable 1-for-30 entitlement offer at 6c per share raising up to an additional \$4.8m*
- ▶ Raleigh Finlayson to become Genesis MD, former FMG MD and CEO Neville Power and respected corporate lawyer Michael Bowen also joining the GMD board
- ▶ Gives GMD the financial and management strength to take our next significant growth steps
  - ▶ **Important access to People and Capital**
- ▶ Funding proceeds will be used to:
  - *Advance the Ulysses gold project through exploration (prioritising the Ulysses, Puzzle and Admiral deposits) and ongoing mining and processing studies;*
  - *Corporate and general working capital; and*
  - *Pursue other strategic opportunities as they emerge.*

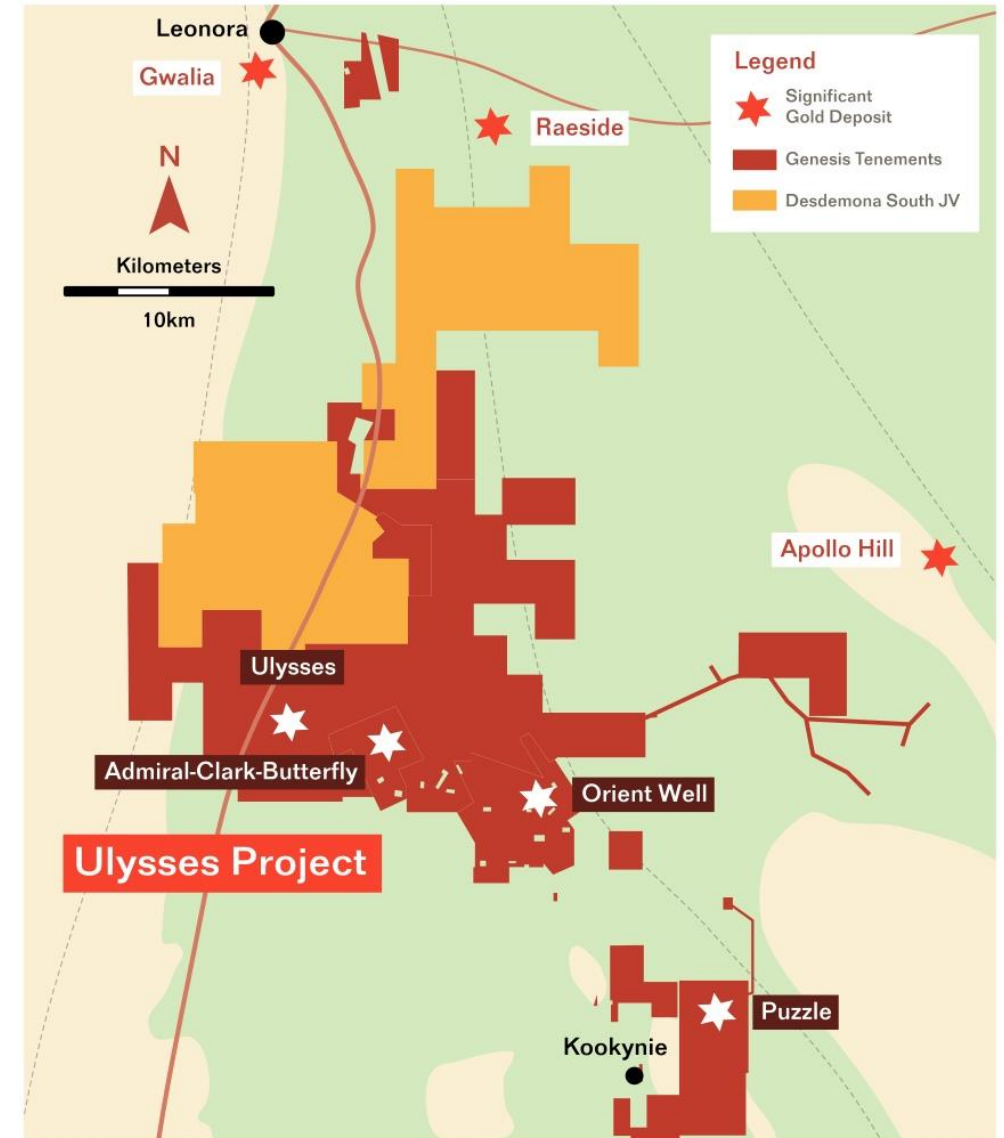


<sup>1</sup> Refer to the ASX announcement dated 22 September 2021 "Raleigh Finlayson to Cornerstone Strategic Funding Package". Strategic funding package subject to shareholder approval at GMD's AGM to be held on 19 November 2021.

# Ulysses: A Transformational Opportunity



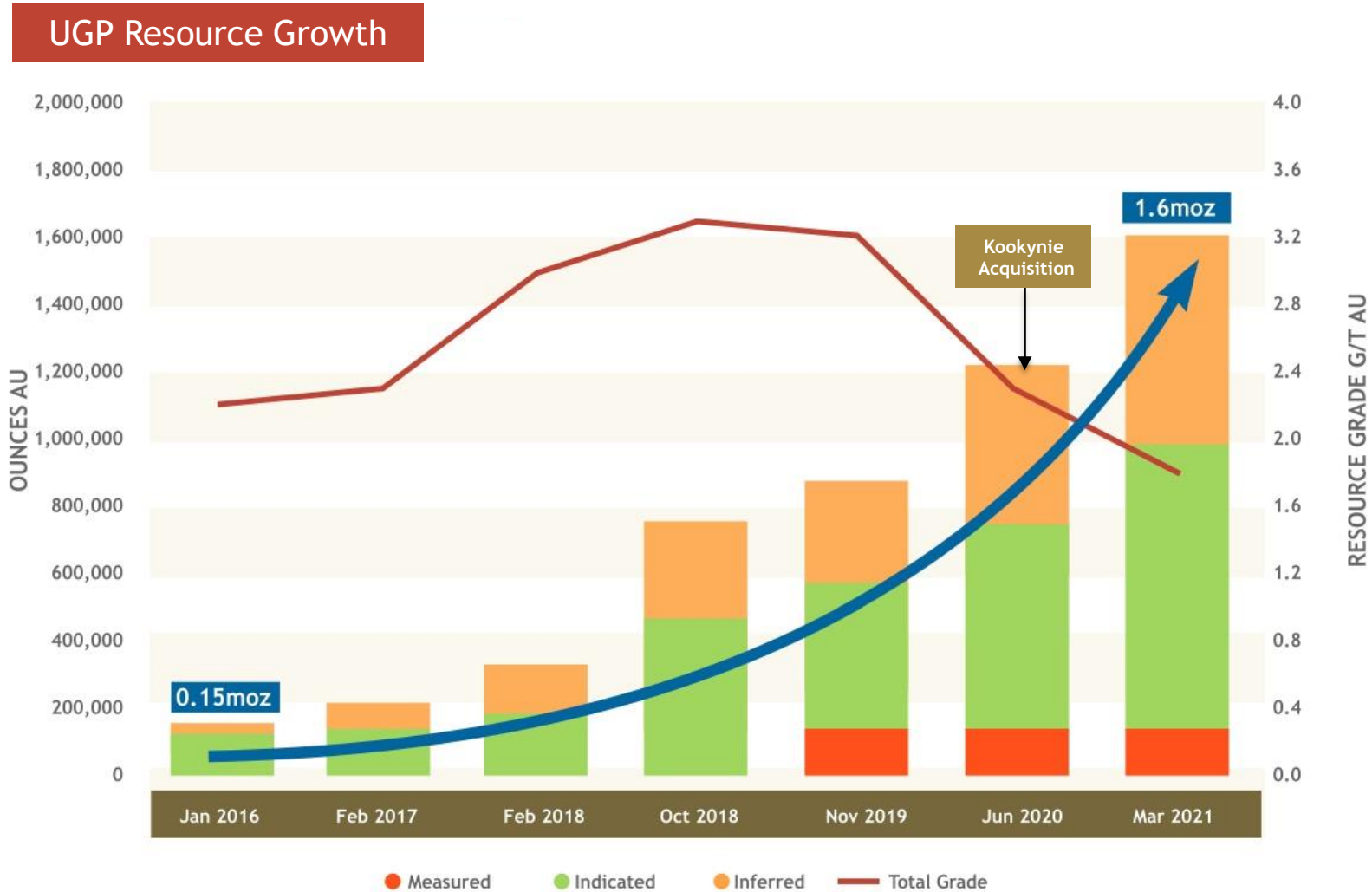
- ▶ Project expanded via **strategic acquisition** (June 2020) of the adjoining Kookynie tenements
- ▶ **March 2021 Mineral Resource** incorporated the results of the **highly successful drilling programs** completed (July 20 to March 21) at the Ulysses Project following the acquisition of Kookynie tenements
- ▶ Aggressive drilling program ongoing with **+60,000m** to be completed in 2H 2021 – RC, diamond and air-core
- ▶ Recent drilling expected to have a significant impact on our overall growth plans particularly the exciting shallow results at Puzzle North and the high-grade zone at Admiral deeps
- ▶ Genesis is the **first company** to control the Ulysses to Orient Well corridor



# Ulysses: Global Resource Growth



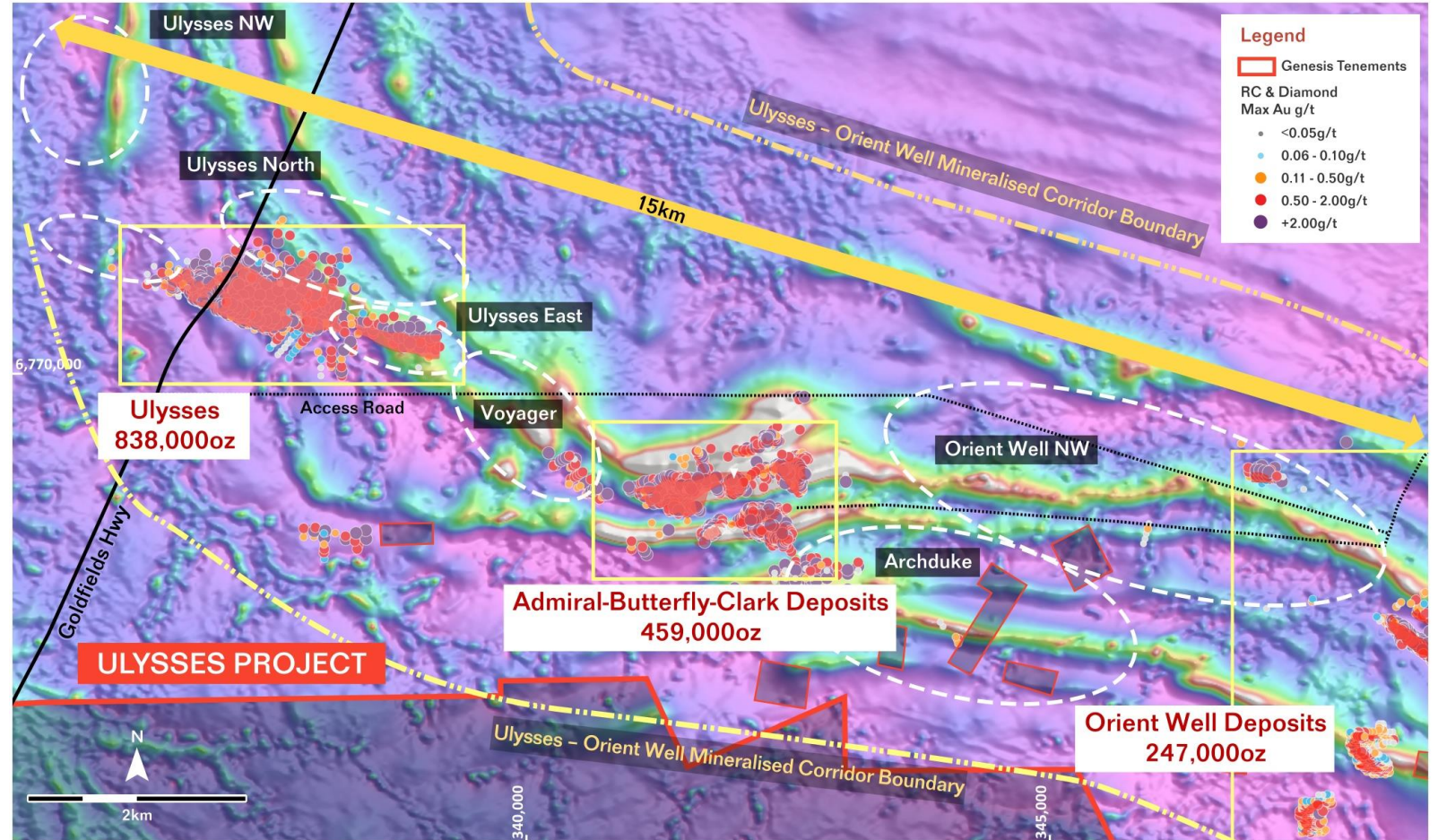
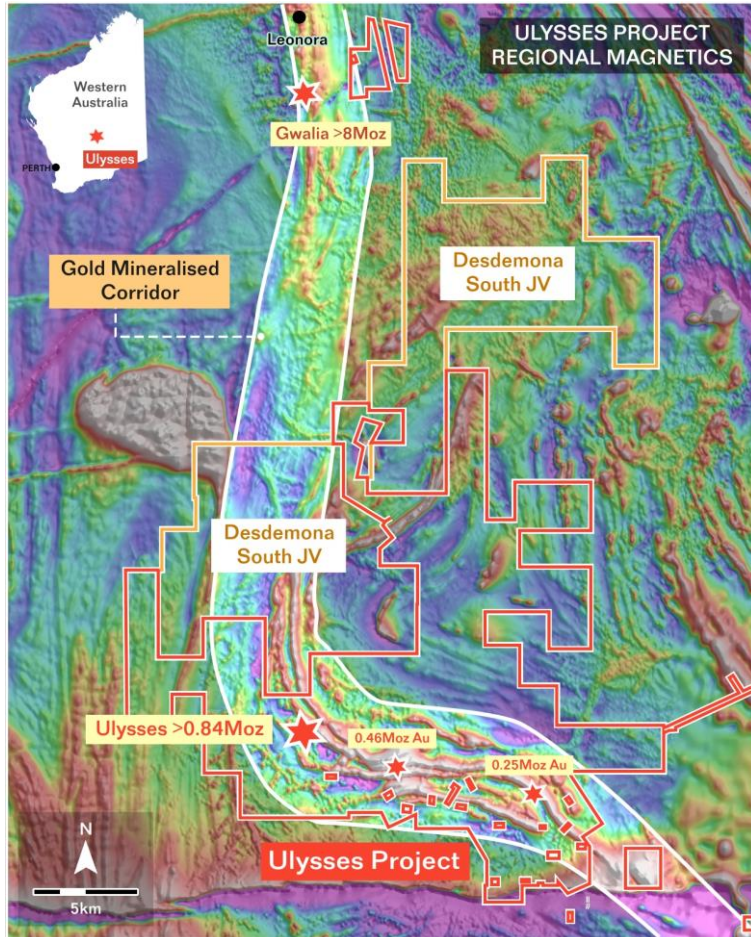
- ▶ **+900% increase in contained ounces over 5-year period**
- ▶ Total resource now **27Mt at 1.8g/t Au for 1.6Moz** (Acquisition and Discovery Cost ~A\$26/oz)
- ▶ **61% of the total contained ounces for the Ulysses Project** are in the Measured and Indicated categories
- ▶ Ulysses deposit grown from **0.15Moz to 0.84Moz**



# Ulysses-Orient Well Corridor: An Exceptional Target



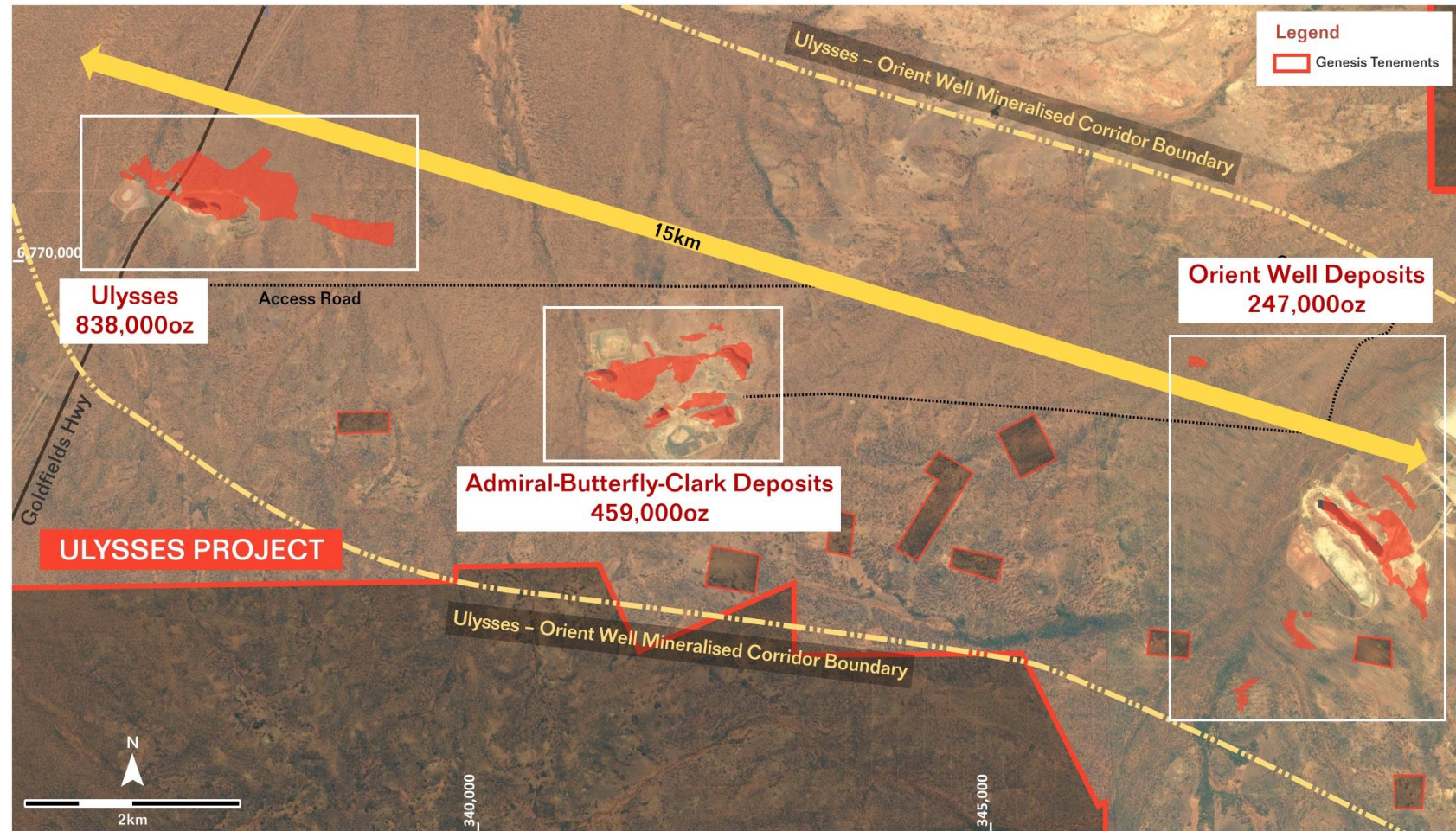
- ▶ Ulysses to Orient Well corridor has a significant gold endowment based on past production and current Resources
- ▶ 15km E-W oriented segment with widespread gold anomalism near-surface and limited deeper exploration
- ▶ Numerous NW and E-W oriented mineralised shears interpreted



# Ulysses: A Transformational Opportunity



- ▶ Genesis controls an area of +650km<sup>2</sup>
- ▶ Assets include:
  - ▶ 20-person exploration camp
  - ▶ Bore field (DWER approved 1.2M kL Annual Water Entitlement)
  - ▶ Haul and access roads
- ▶ 2021 drilling activities focusing on resource growth through:
  - ▶ Extension of existing resources at depth and along strike; and
  - ▶ Identification of new resources through discovery at both near-mine and early stage targets
- ▶ Limited deep drilling across entire belt
- ▶ Numerous exploration targets down-dip and in parallel structures
- ▶ Regional mapping project completed



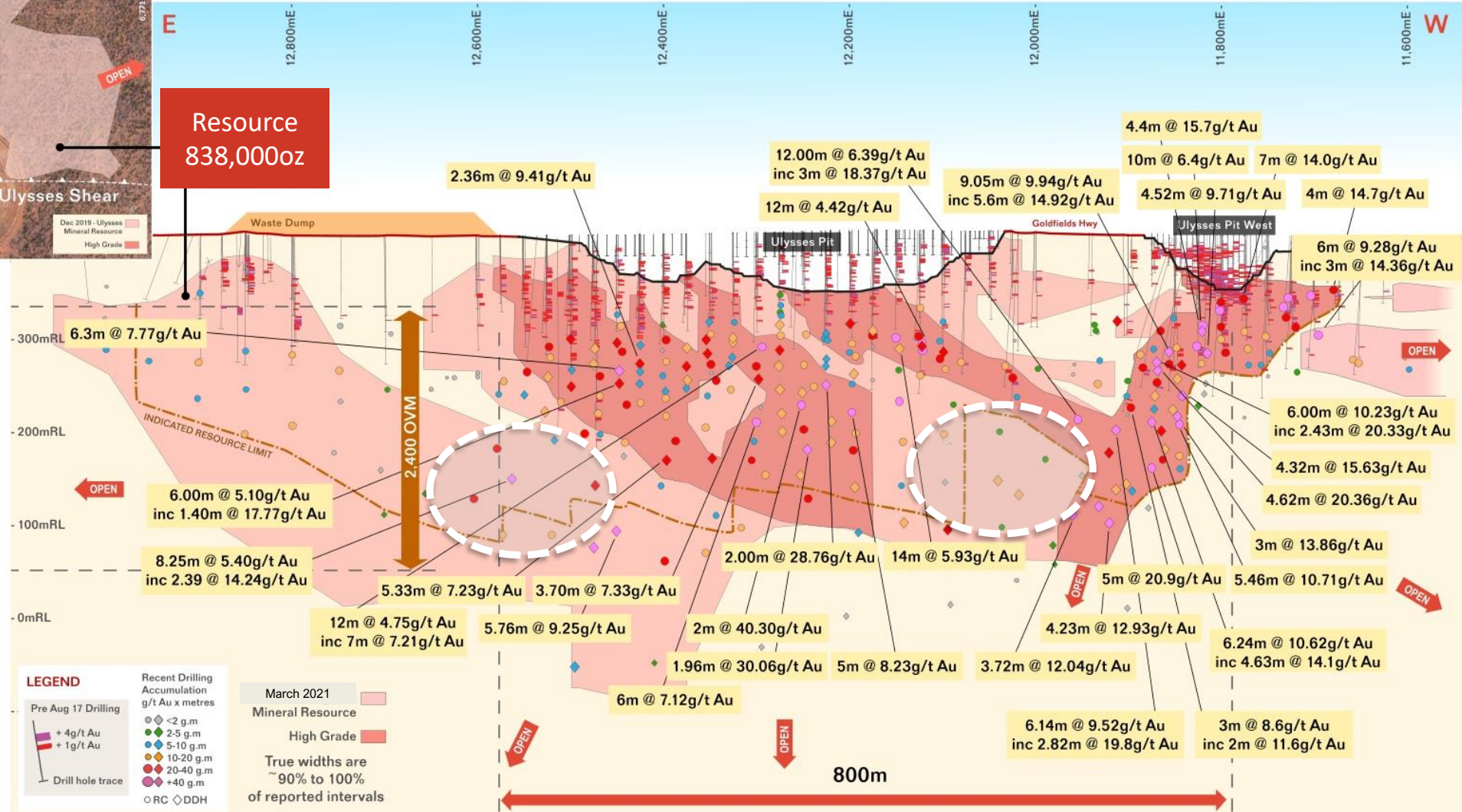
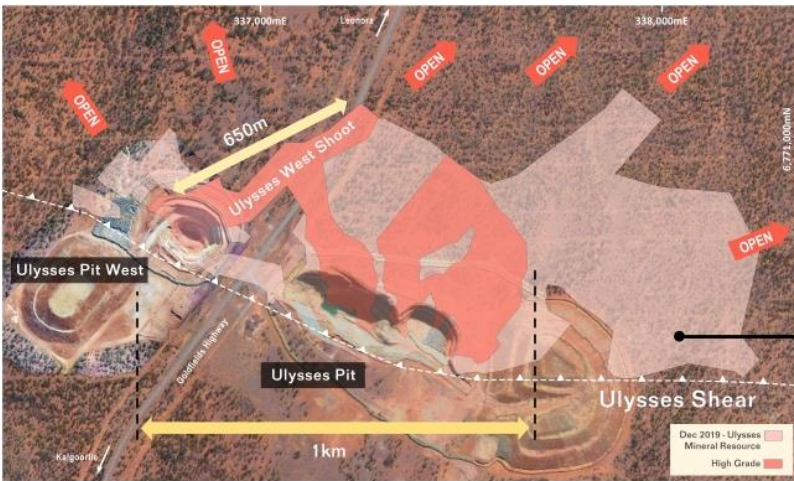
The tenement package represents the immediate south-eastern extension of the Ulysses Project, consolidating our ownership of this highly prospective gold corridor.

Refer to the ASX announcement dated 29 March 2021 for full details of the Mineral Resource estimate for the Ulysses Gold Project and Kookynie tenements

# Ulysses - Large High-Grade Gold System



**ULYSSES LONG SECTION**  
Looking South Grid



▶ High-grade, high quality JORC 2012 Mineral Resource:

▶ **7.74Mt @ 3.4g/t gold for 838,000 oz – open**

▶ High-grade portion of resource estimated to contain:

▶ **4.84Mt @ 4.5g/t gold for 705,400oz**

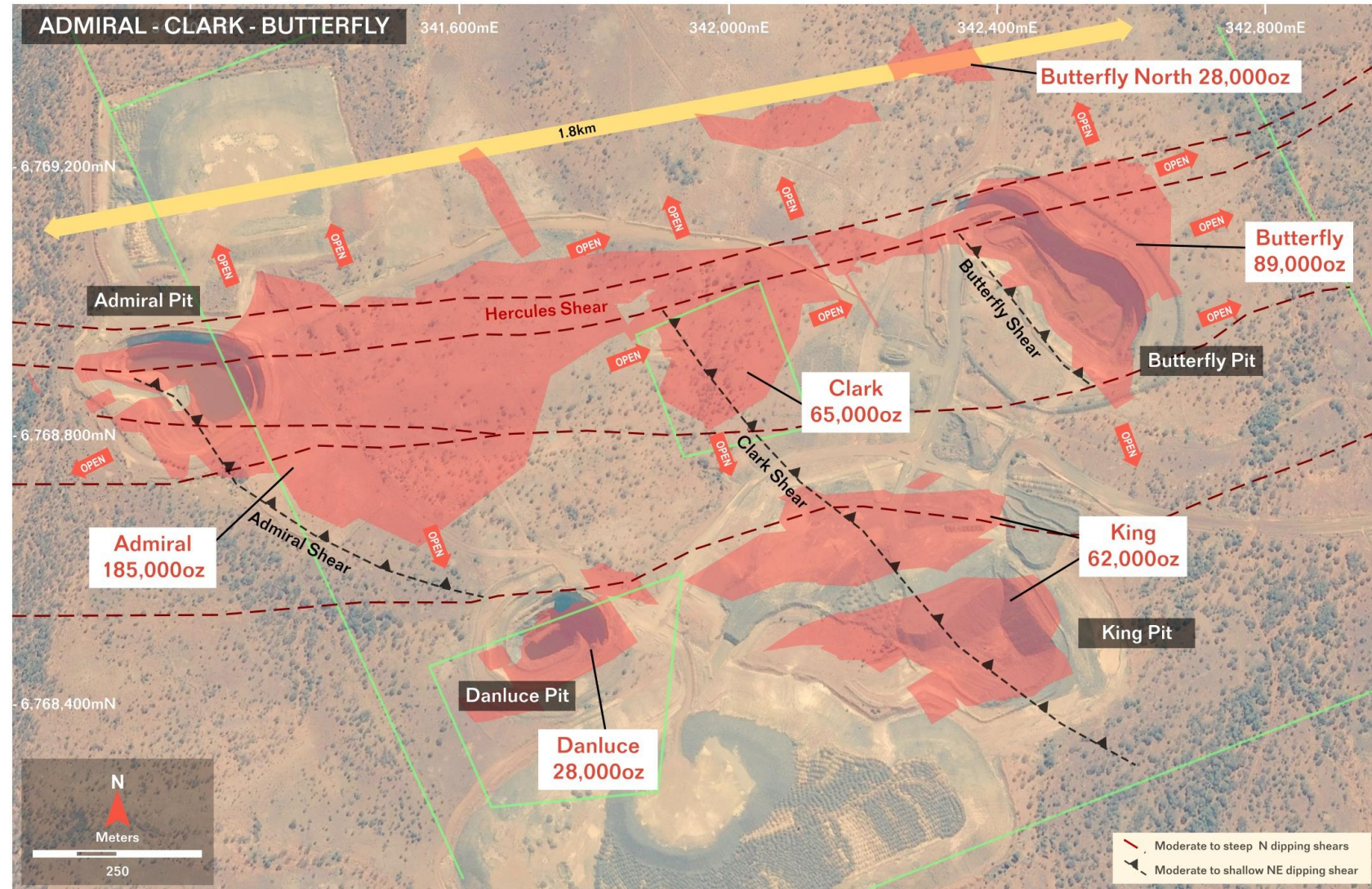
▶ Includes high-grade shoots containing:

▶ **1.75Mt @ 6.4g/t gold for 363,000oz**

# Ulysses: Admiral - Clark - Butterfly



- ▶ Significant shallow gold mineralisation confirmed<sup>1</sup>
- ▶ Combined shallow Resources estimated to contain:  
**10.3Mt @ 1.4g/t Au for 0.46Moz**
  - ▶ *Indicated – 4.7Mt @ 1.7g/t Au for 0.24Moz*
- ▶ Validated historical drilling
- ▶ Similar host rocks to Ulysses Deposit



<sup>1</sup> Refer to the ASX announcements dated 15 & 29 September and 9 December 2020 and 13 January, 15 February, 12 March, 12 May, 24 August and 14 October 2021 for full details of the exploration results.

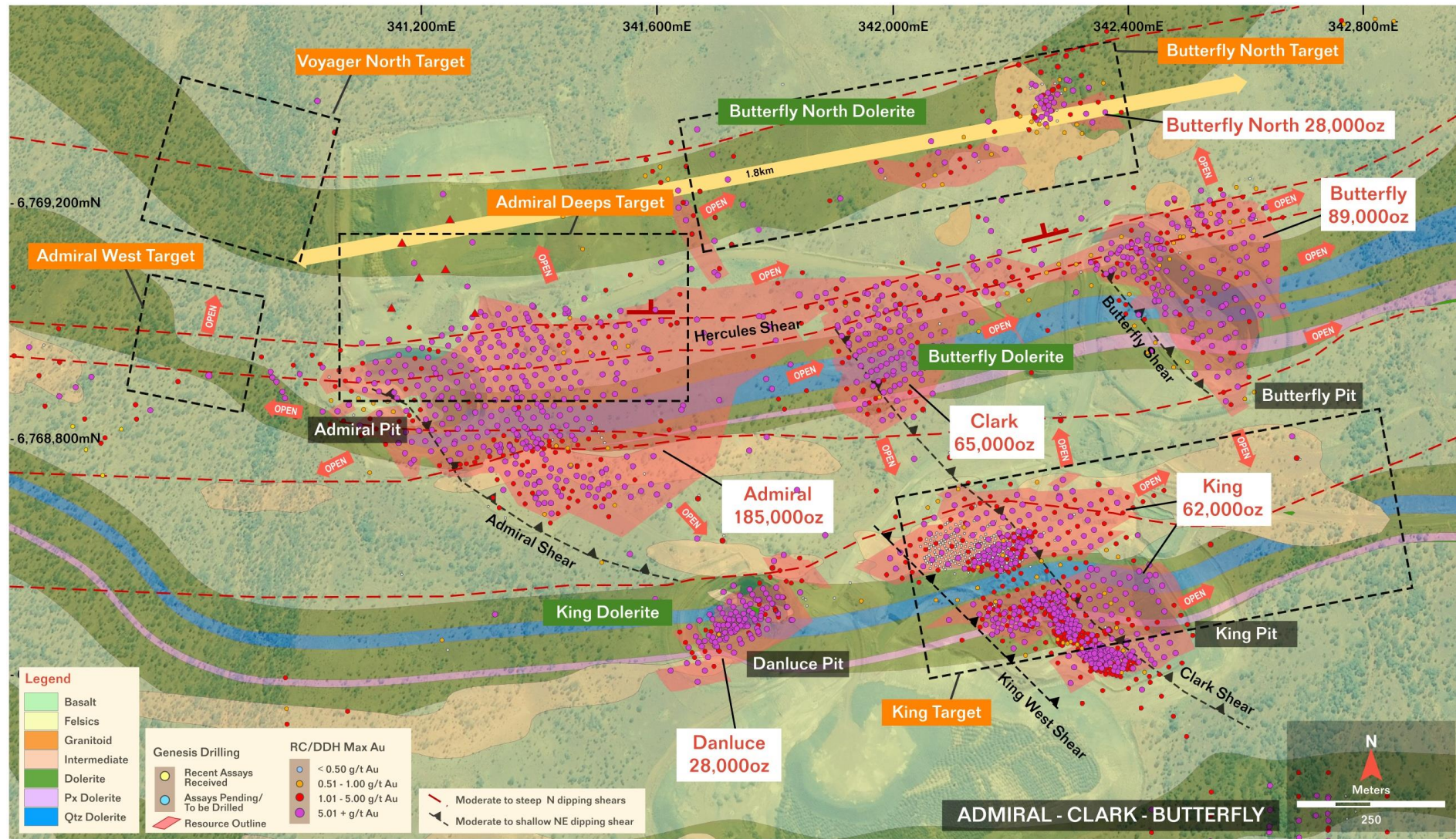
# Ulysses: Admiral - Clark - Butterfly - Geology Overview



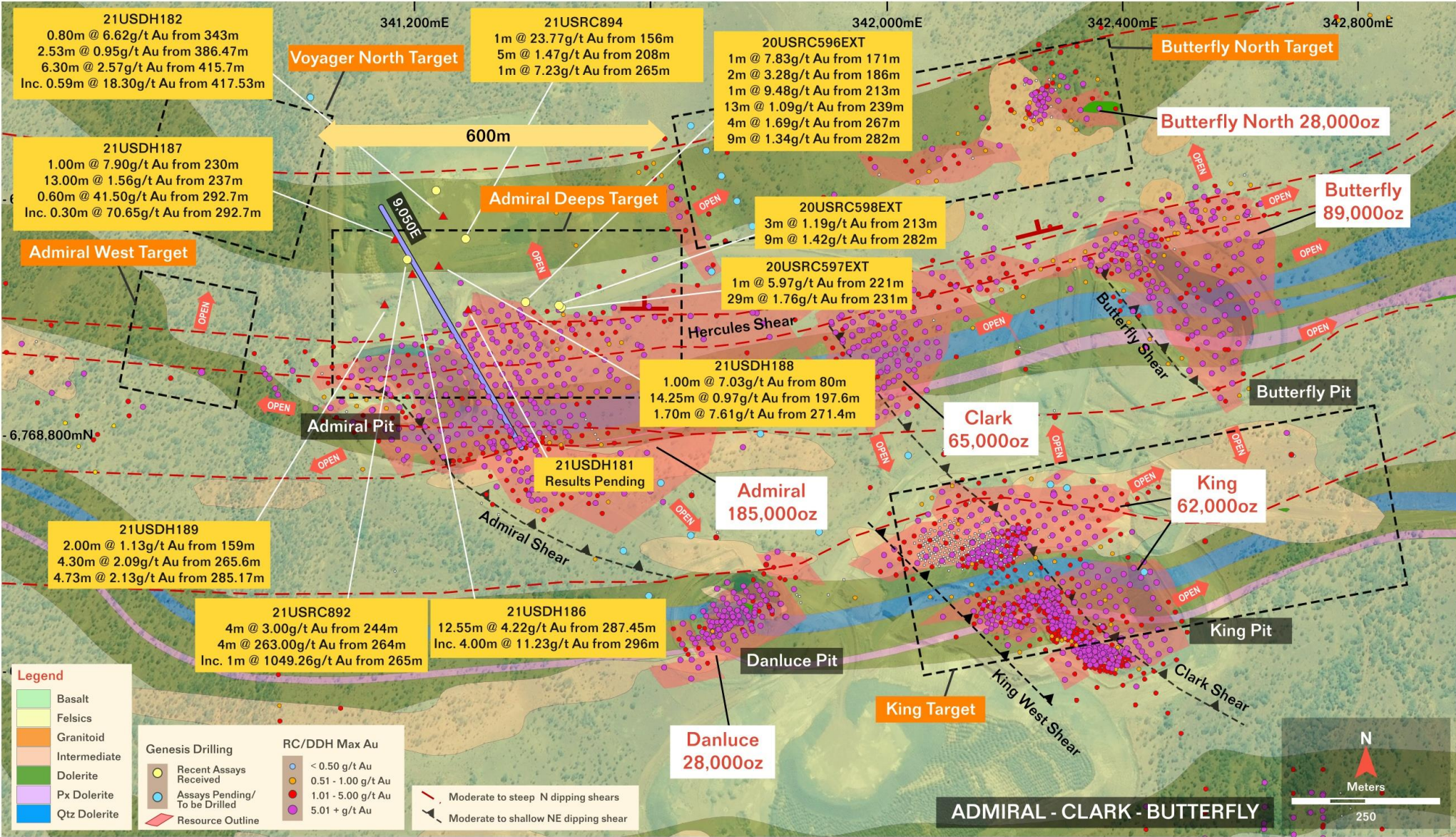
- ▶ Three differentiated dolerite sills
- ▶ Key mineralisation controls identified include:
  - ▶ Intersection of coarse magnetic quartz dolerite with the low-angle NE dipping shears, e.g. Admiral Shear
  - ▶ East-west shear zones and rheological contrasts along them, e.g. Hercules shear

## Target Zones

- ▶ Butterfly North and King Dolerites:
  - ▶ Drilling targeting moderate to shallow, NE dipping shears and E-W to ENE oriented shears dipping moderately to steep north
- ▶ Ulysses "Style"
  - ▶ Drilling targeting east-west orientated shears cutting dolerite stratigraphy forming potential high-grade intersectional shoots, e.g. Admiral West

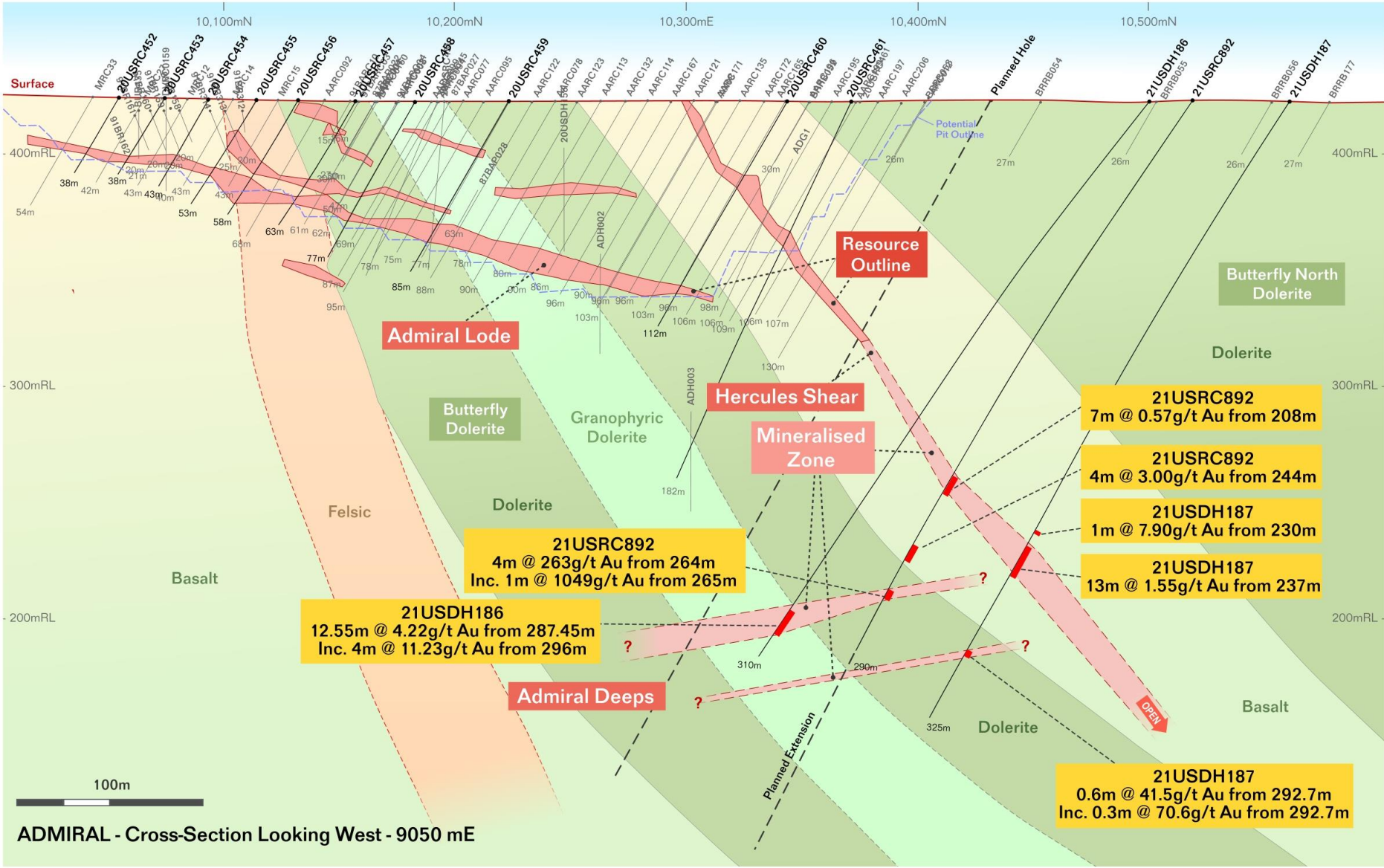


# Ulysses: Admiral Deeps



Refer to the ASX announcement dated 14 October 2021 for full details of the exploration results.

# Ulysses: Admiral Deeps



Refer to the ASX announcements dated 12 May 2021 and 14 October 2021 for full details of the exploration results.

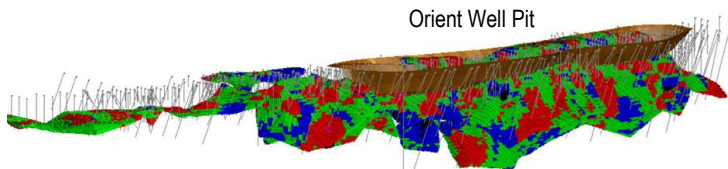
# Ulysses: Orient Well



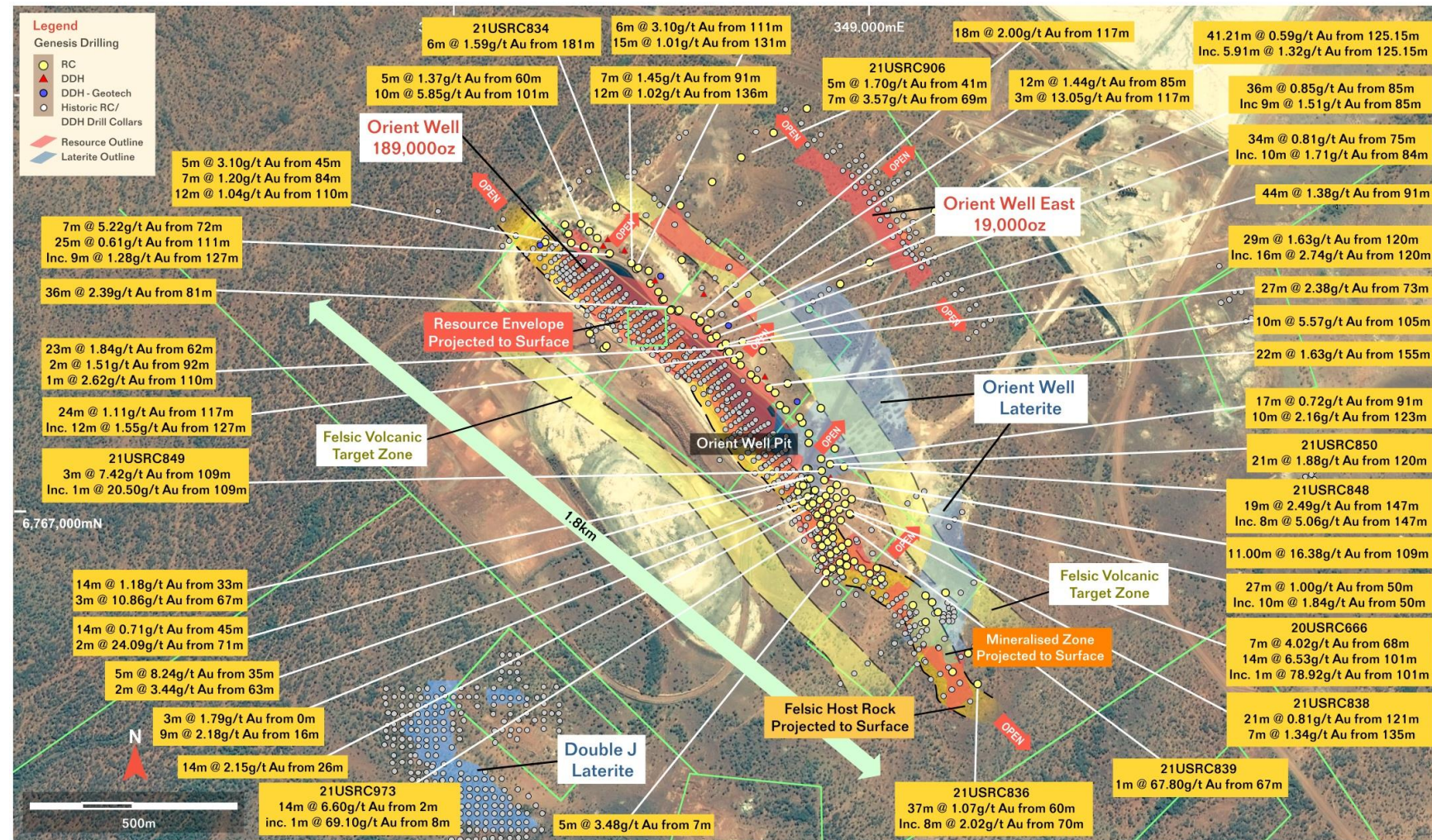
- ▶ Combined Mineral Resource for the Orient Well Group of deposits:

**7.3Mt @ 1.1g/t Au for 247,000**

- ▶ Mineralisation associated with a quartz stockwork hosted by NE dipping felsic volcanics
- ▶ Drilling has returned high gold grades within a broad zone of gold mineralisation
- ▶ Excellent potential to grow Resource
- ▶ Targeting felsic units in footwall and hanging wall to main zone

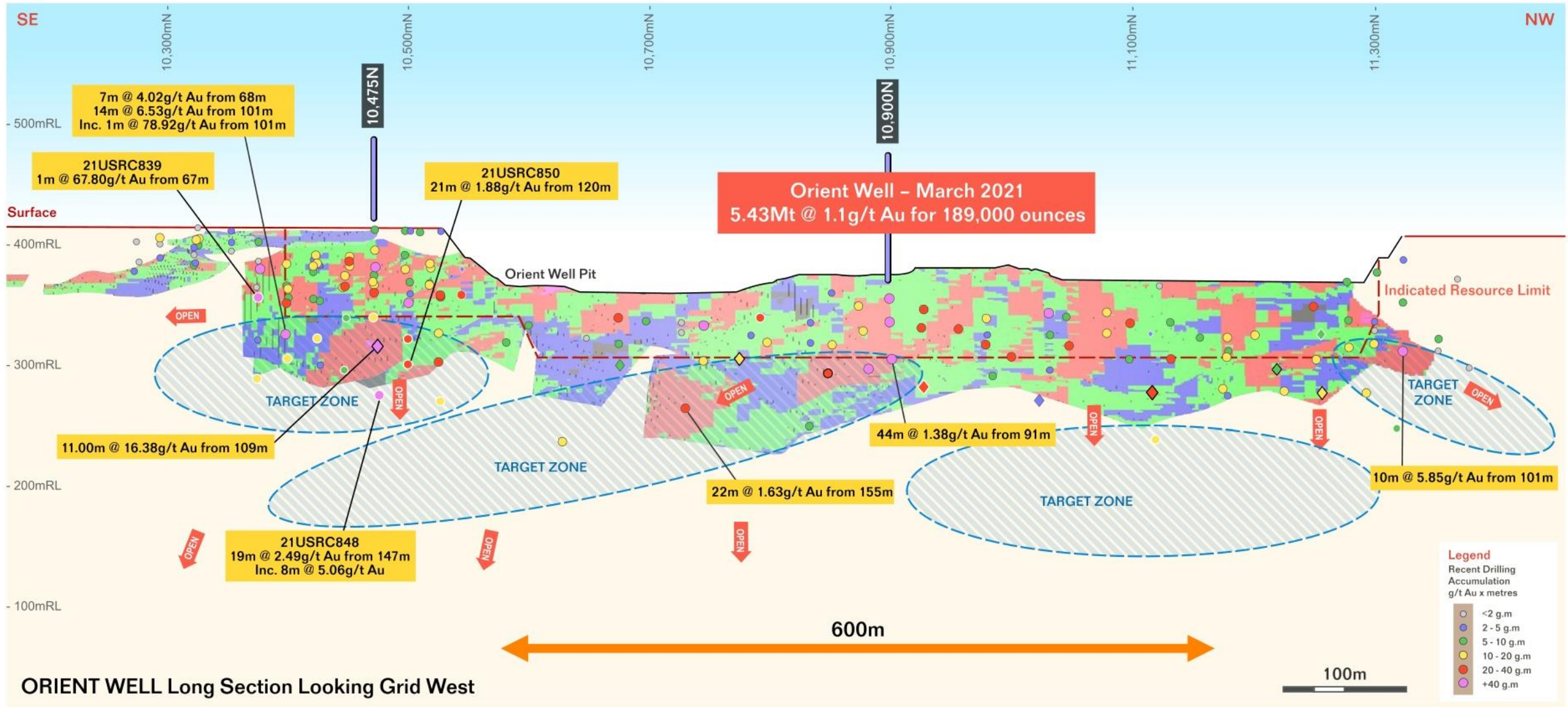


Orient Well oblique view of block model looking west



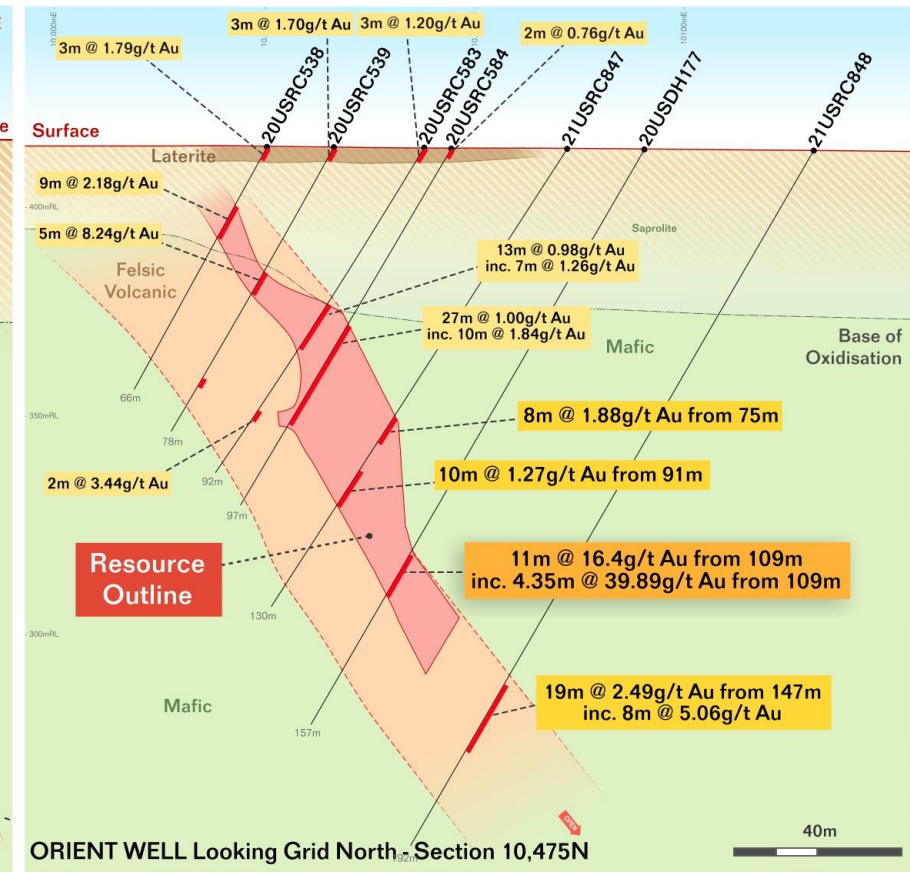
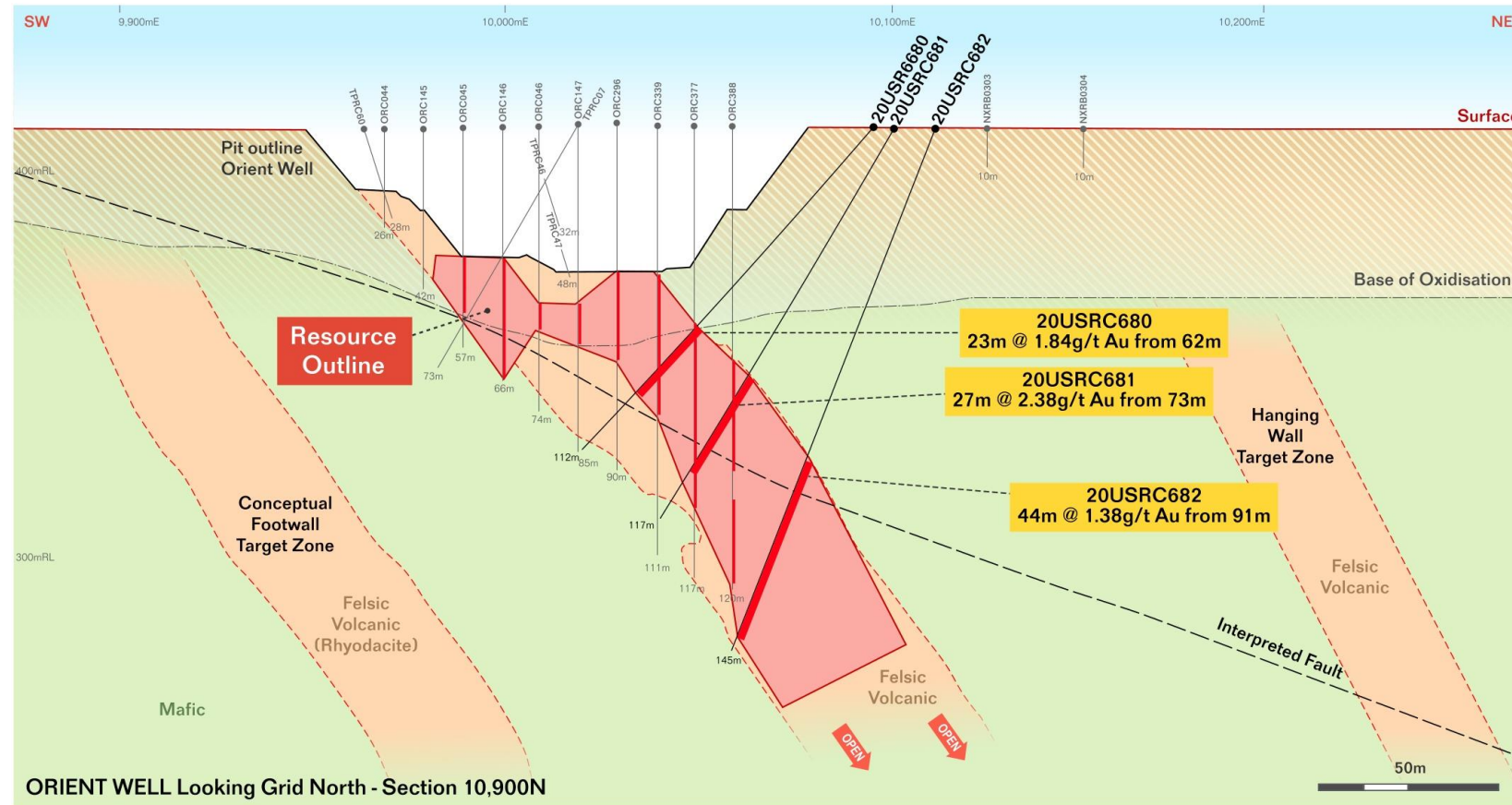
Refer to the ASX announcements dated 21 October and 9 November 2020 and 8 February, 17 February, 9 April and 24 August 2021 for full details of the exploration results for Orient Well

# Ulysses: Orient Well



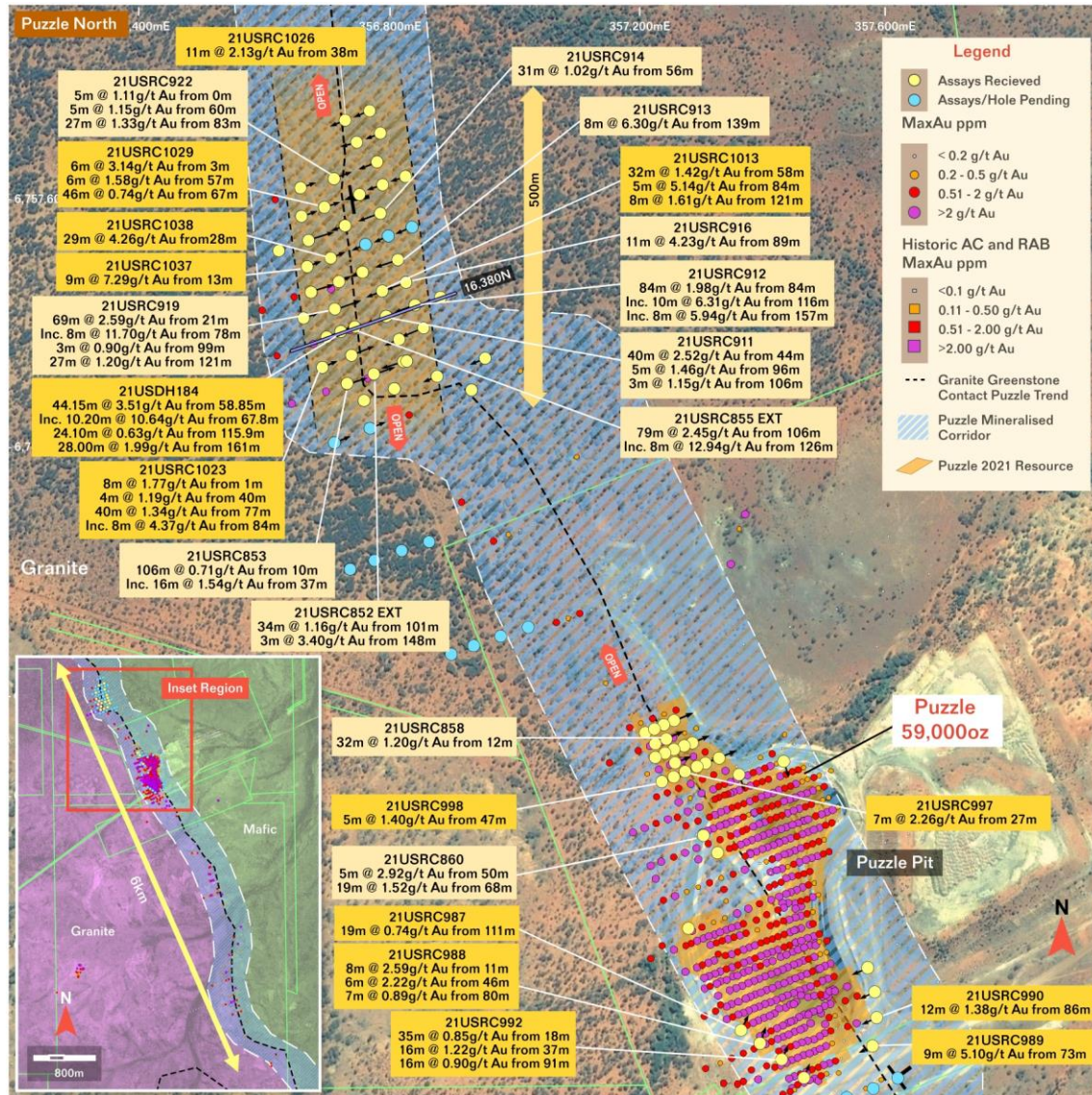
Refer to the ASX announcements dated 21 October and 9 November 2020 and 8 February, 17 February, 9 April and 24 August 2021 for full details of the exploration results for Orient Well

# Ulysses: Orient Well - Section 10,900N and 10,475N



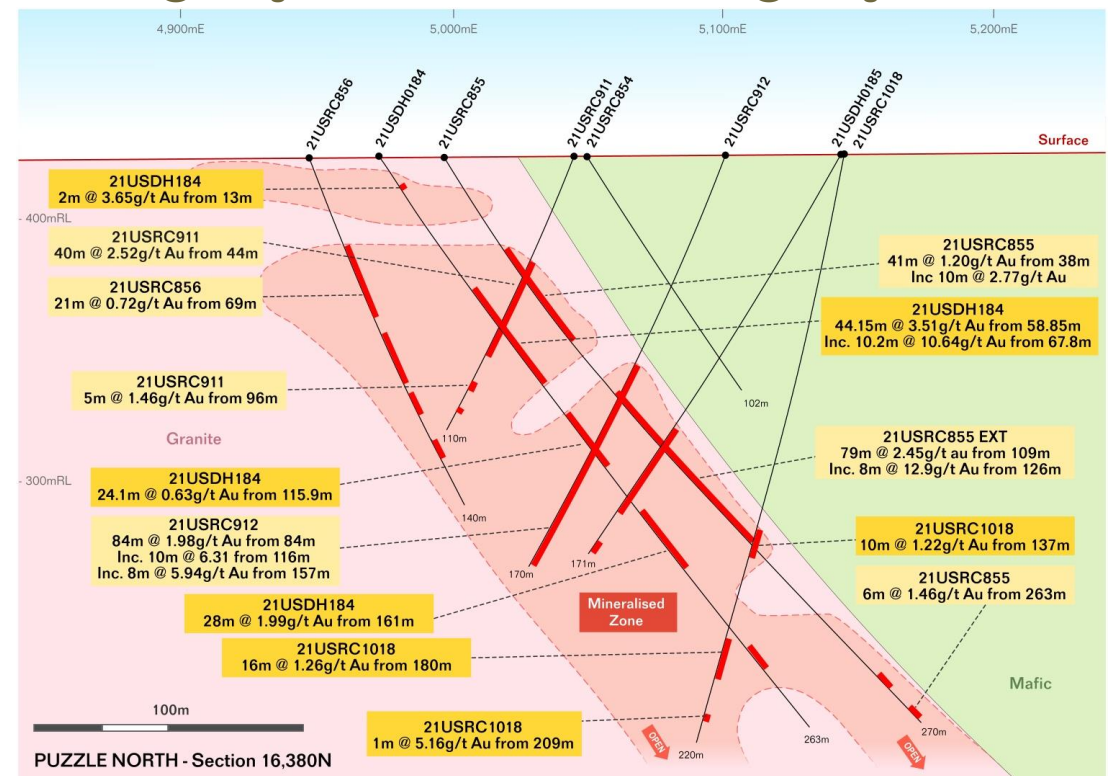
Refer to the ASX announcements dated 21 October and 9 November 2020 and 8 February, 17 February, 9 April and 24 August 2021 for full details of the exploration results for Orient Well

# Ulysses: Puzzle and Puzzle North



- ▶ Shallow (<70m) resource of **1.7Mt @ 1.1g/t Au for 59,000oz** at Puzzle
  - ▶ Drilling continuing remainder of CY2021 to test Puzzle and Puzzle North
  - ▶ Mineralisation associated with east dipping granite-greenstone contact
- Significant mineralisation recently defined at Puzzle North<sup>1</sup> including:

- ▶ **60m @ 3.03g/t Au from 106m**
- ▶ **84m @ 1.98g/t Au from 84m**
- ▶ **106m @ 0.71g/t Au from 10m**
- ▶ **69m @ 2.59g/t Au from 21m**
- ▶ **40m @ 2.52g/t Au from 44m**
- ▶ **29m @ 4.26g/t Au from 28m**

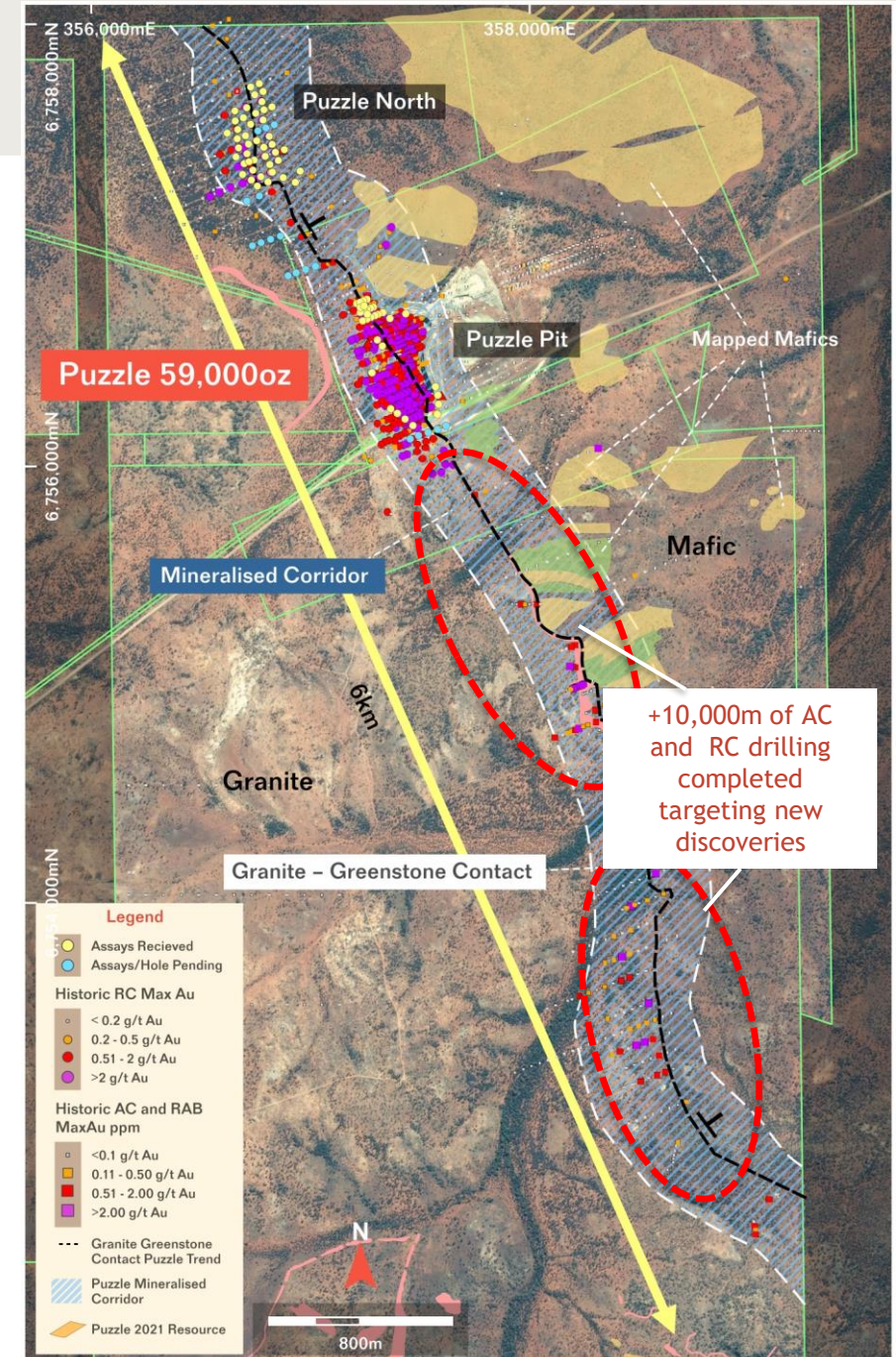


<sup>1</sup> Refer to the ASX announcements dated 9 April, 15 June, 1 July and 14 October 2021 for full details of the exploration results.

# Ulysses: Puzzle Mineralised Trend



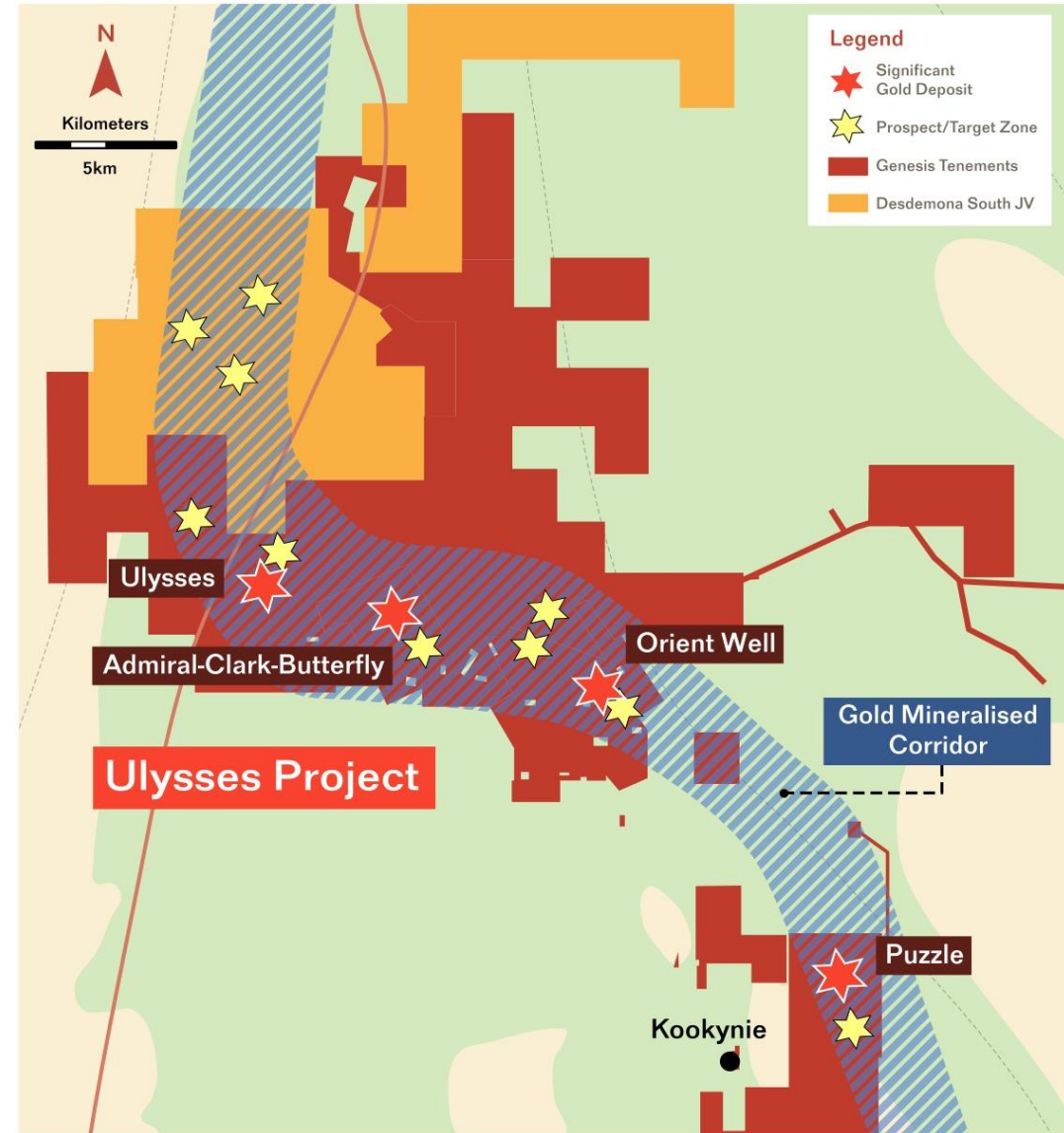
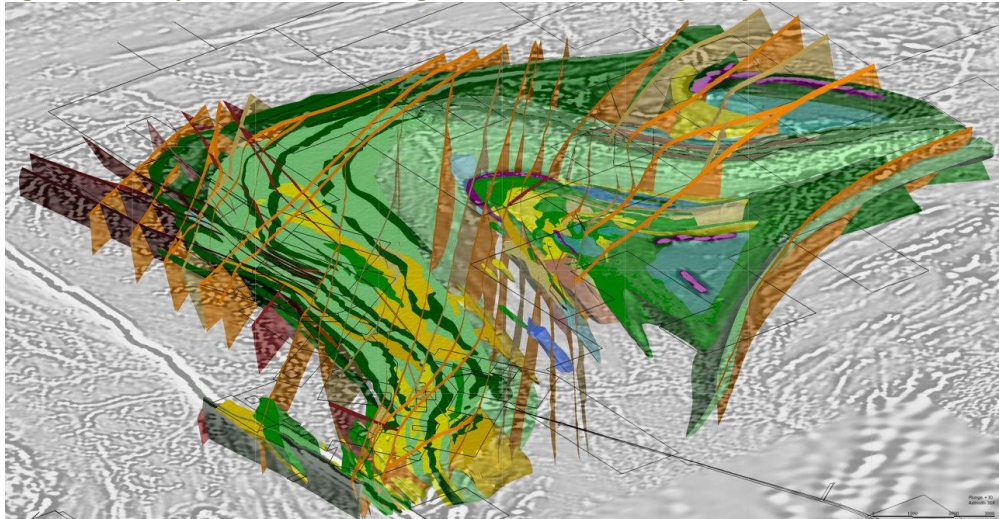
- ▶ Mineralisation at the Puzzle pit and Puzzle North interpreted to be spatially related to distinct undulations (changes in strike and dip) on the granite contact
- ▶ **Significant Exploration Target** defined associated with east-dipping granite-greenstone contact extending over 6km of strike
- ▶ Change in orientation of granite contact maybe due to slight deflection of the granite during intrusion across changes in the mafic stratigraphy
- ▶ Key rheological contrast may have caused major change in the local stress and strain regime
- ▶ Exploration targeting a number of similar geological settings along the granite contact
- ▶ **+10,000m of air-core and RC drilling completed targeting new discoveries** south of Puzzle deposit
- ▶ Excellent potential for “blind” low-angle mineralisation and plunging ore shoots along contact



# Ulysses: Exciting new discovery opportunities



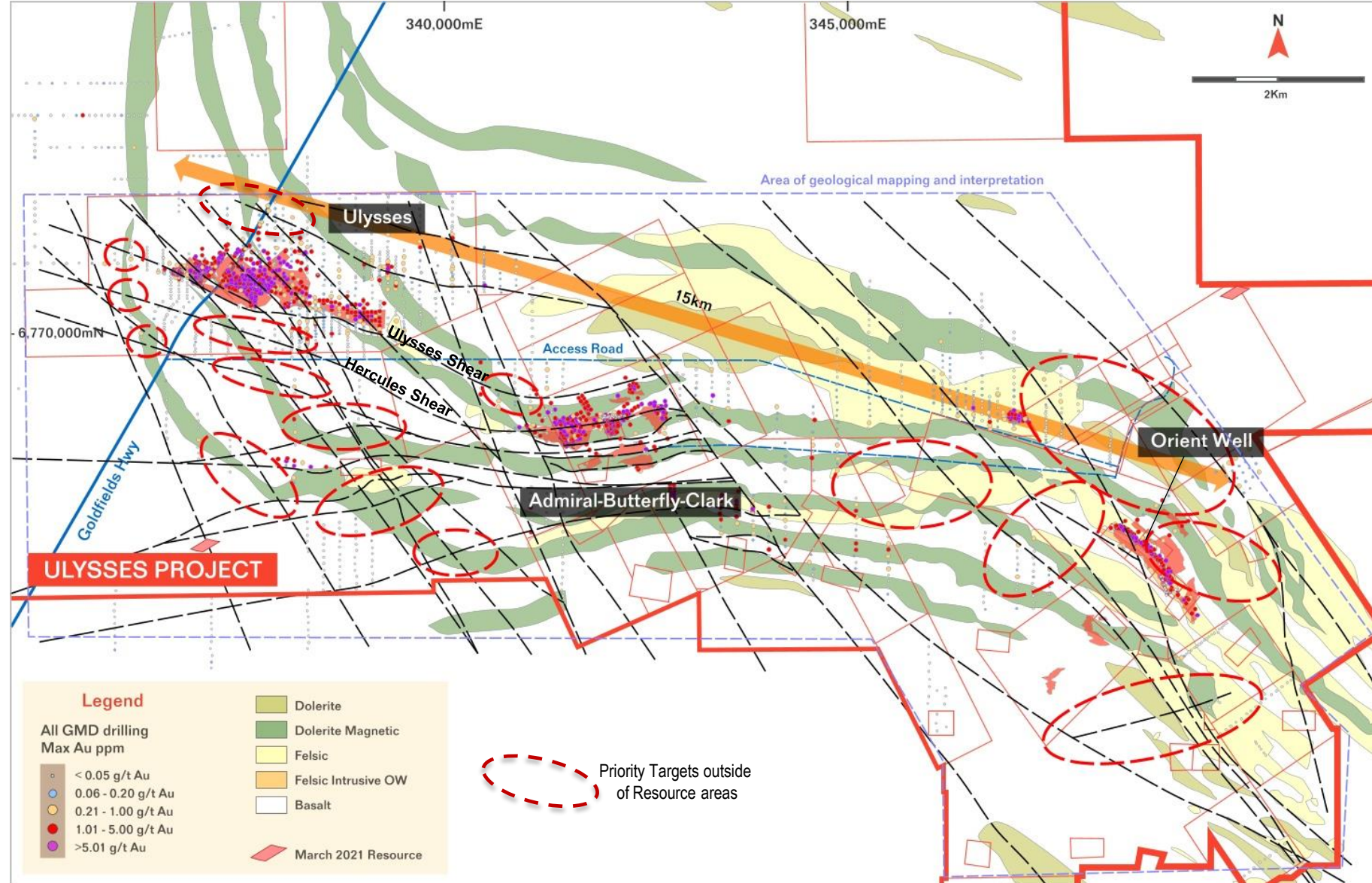
- ▶ Genesis now controls over 40km of strike of highly prospective ground
- ▶ Vast regional exploration upside
- ▶ Pipeline of both near-mine and regional exploration targets
- ▶ Significant opportunity for new discoveries outside of known resources including:
  - ▶ *Desdemona South JV – early stage exploration*
  - ▶ *Puzzle strike extents – +6km long granite greenstone contact*
  - ▶ *Regional exploration along the 15km long Ulysses-Orient Well trend*



# Ulysses: Ulysses to Orient Well Corridor



- ▶ Numerous priority targets outside of known resource areas generated from recent mapping and interpretation
- ▶ Targets include intersection of shear zones with differentiated dolerite units with potential to form Ulysses style deposits



# Summary: Key Takeaways



## Expanding the Ulysses Gold Project as the foundation for a mid-tier gold company...

- ✓ Exceptional results returned from 2021 drilling
- ✓ Significant zones of mineralisation discovered at Puzzle North and Admiral Deep
- ✓ Development potential high - Feasibility Study deferred to allow scope of the study to be reassessed and optimised, having regard to recent exploration results, ongoing resource growth and proposed Board and management changes
- ✓ Drilling continuing to extend known resources and targeting new discoveries – **60,000m program** to be completed in 2H 2021CY
- ✓ Ongoing drilling program will continue to evaluate these opportunities, with a further Resource update targeted for Q4 CY2021 subject to results
- ✓ **Planned \$20.8m strategic funding and Board restructure**

# Ulysses: March 2021 Mineral Resource



March 2021 Resource Estimate 0.5g/t Cut off above 280mRL 2g/t Below 280mRL

Deposit	COG g/t	Measured			Indicated			Inferred			Total		
		Tonnes T	Au g/t	Au Ounces	Tonnes T	Au g/t	Au Ounces	Tonnes T	Au g/t	Au Ounces	Tonnes T	Au g/t	Au Ounces
<b>Ulysses</b>													
High Grade	2.0	658,000	6.1	129,000	908,000	6.3	184,000	188,000	8.2	50,000	1,754,000	6.4	363,000
Shear		137,000	1.3	6,000	2,911,000	2.4	221,000	1,765,000	3.2	183,000	4,813,000	2.6	410,000
Ulysses East					522,000	1.8	29,000	653,000	1.7	36,000	1,175,000	1.7	65,000
<b>Sub Total</b>		<b>795,000</b>	<b>5.3</b>	<b>135,000</b>	<b>4,341,000</b>	<b>3.1</b>	<b>434,000</b>	<b>2,607,000</b>	<b>3.2</b>	<b>269,000</b>	<b>7,743,000</b>	<b>3.4</b>	<b>838,000</b>
<b>ABC</b>													
Admiral	0.5				1,783,000	2.0	112,000	1,671,000	1.4	73,000	3,453,000	1.7	185,000
Clark	0.5				757,000	1.2	30,000	946,000	1.2	35,000	1,703,000	1.2	65,000
Butterfly	0.5				857,000	2.0	55,000	779,000	1.4	35,000	1,636,000	1.7	89,000
Butterfly North	0.5							623,000	1.4	28,000	623,000	1.4	28,000
King	0.5				1,305,000	1.0	42,000	591,000	1.0	20,000	1,896,000	1.0	62,000
Danluce	0.5							958,000	0.9	28,000	958,000	0.9	28,000
Historic Stockpiles								80,000	1.1	3,000	80,000	1.1	3,000
<b>Sub Total</b>					<b>4,702,000</b>	<b>1.6</b>	<b>238,000</b>	<b>5,649,000</b>	<b>1.2</b>	<b>221,000</b>	<b>10,351,000</b>	<b>1.4</b>	<b>459,000</b>
<b>Orient Well</b>													
Orient Well	0.5				3,605,000	1.1	123,000	1,833,000	1.1	66,000	5,438,000	1.1	189,000
OW Laterites	0.3				142,000	0.6	3,000	177,000	0.7	4,000	319,000	0.7	7,000
Orient Well East	0.5							457,000	1.3	19,000	457,000	1.3	19,000
Orient Well NW	0.5							603,000	1.2	23,000	603,000	1.2	23,000
Double J	0.3				434,000	0.7	10,000	25,000	0.5	400	459,000	0.7	10,000
<b>Sub Total</b>					<b>4,180,000</b>	<b>1.0</b>	<b>136,000</b>	<b>3,094,000</b>	<b>1.1</b>	<b>112,000</b>	<b>7,274,000</b>	<b>1.1</b>	<b>247,000</b>
<b>Kookynie</b>													
Puzzle	0.5				1,002,000	1.1	36,000	725,000	1.0	23,000	1,727,000	1.1	59,000
Historic Stockpile					175,000	0.7	4,000				175,000	0.7	4,000
<b>Sub Total</b>					<b>1,177,000</b>	<b>1.1</b>	<b>40,000</b>	<b>725,000</b>	<b>1.0</b>	<b>23,000</b>	<b>1,902,000</b>	<b>1.0</b>	<b>63,000</b>
<b>Project Total</b>		<b>795,000</b>	<b>5.3</b>	<b>135,000</b>	<b>14,400,000</b>	<b>1.8</b>	<b>849,000</b>	<b>12,075,000</b>	<b>1.6</b>	<b>625,000</b>	<b>27,270,000</b>	<b>1.8</b>	<b>1,608,000</b>

Full details of the Mineral Resource estimate are provided in the Company's ASX announcement dated 29 March 2021

NB. Rounding discrepancies may occur



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**Genesis Minerals Limited**

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