



Genesis Minerals Limited

ASX Code: GMD

Moving from strength to strength at Ulysses

- 1.6Moz Resource at 1.8g/t and growing
- Feasibility Study on new gold operation
- Drilling delivering new discoveries and growth

August 2021 – Diggers and Dealers



Growing and Developing 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.

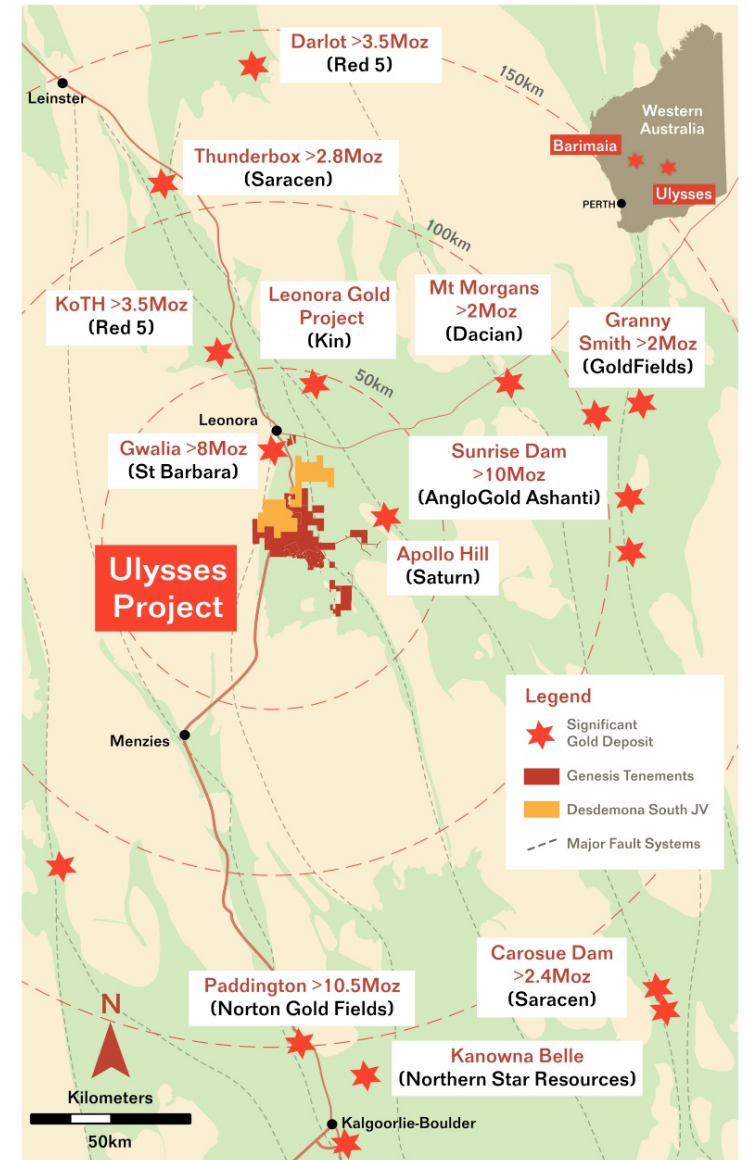
Full details of the Ulysses Mineral Resource estimate are provided in the Company’s ASX announcement dated 29 March 2021 and entitled “Ulysses Mineral Resource increases to 1.6 Million Ounces”. The Company confirms that it is not aware of any new information or data that materially affects the information 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

Investment Overview: Targeting Mid-Tier Gold Status



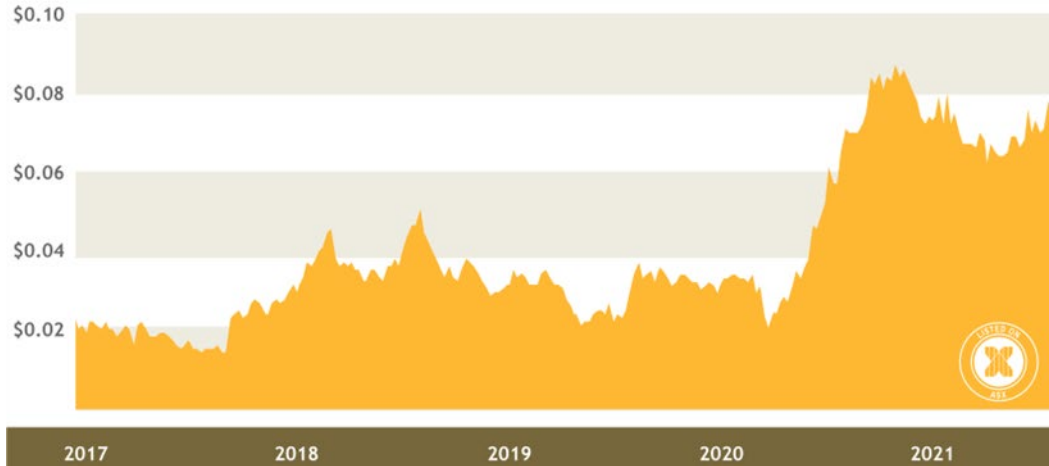
- ▶ 100%-owned **Ulysses Gold Project** in the Tier-1 **Leonora-Laverton** gold district
- ▶ Mineral Resource: **27Mt at 1.8g/t Au for 1.6Moz¹**
- ▶ Feasibility Study well advanced on **standalone underground-open pit gold development**
- ▶ **Significant growth opportunities remain** through the extension of known Resources and new discoveries
- ▶ **+40,000m of RC and diamond drilling** targeting Resource growth to be completed in second half of CY2021
- ▶ **+20,000m air-core drilling** focused on:
 - ▶ *15km strike of the Ulysses-Orient Well corridor; and*
 - ▶ *6km strike of the Puzzle granite-greenstone contact*
- ▶ **Mineral Resource update** targeted for Q4 CY2021
- ▶ **Outstanding asset, great location, clear focus, strong news-flow = a recipe for growth and success in WA gold**



¹ 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



GENESIS MINERALS LIMITED SHARE PRICE



CAPITAL STRUCTURE

Share Price	A7.0c
Shares on Issue	2,126 million
Options and PRs on Issue	29.7 million
Market Capitalisation (@ A\$0.070)	~A\$150 million
Top 100 shareholders	~77%
Cash (30 June 2021)	~A\$11 million

BOARD and MANAGEMENT

Tommy McKeith **Chairman**

- ▶ *Highly experienced Mining Executive involved at all levels from project acquisition and exploration through to funding and development*
- ▶ *Lead Independent Director – Evolution Mining*

Michael Fowler **Managing Director**

- ▶ *Geologist with extensive exploration, mining and corporate experience*

Craig Bradshaw **Non-executive Director**

- ▶ *Mining Engineer*
- ▶ *COO for Saracen Mineral Holdings from 2013 to 2017*

Gerry Kaczmarek **Non-executive Director**

- ▶ *Highly experienced Mining Executive specialising in accounting and financing*

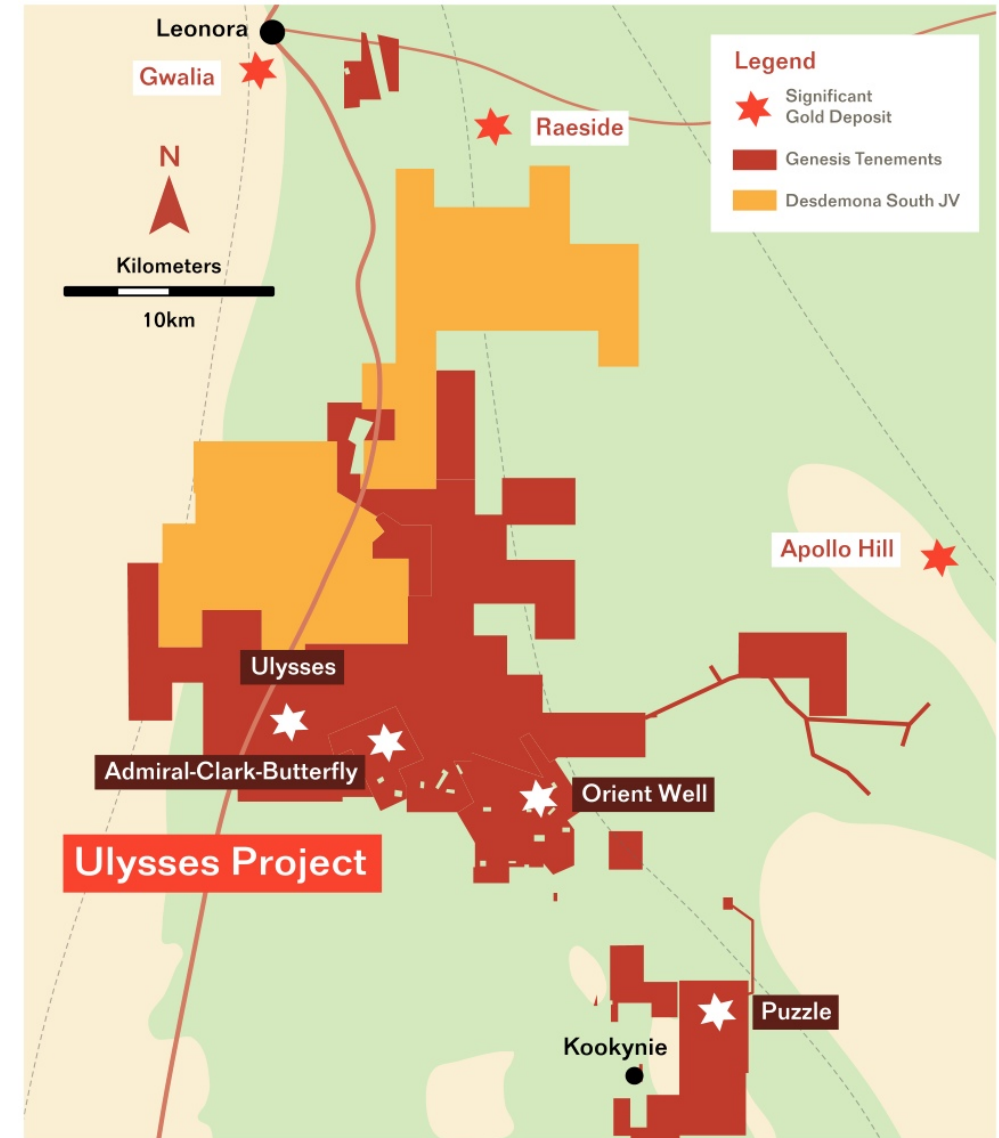
Nic Earner **Non-executive Director**

- ▶ *Managing Director – Alkane Resources*
- ▶ **Alkane major shareholder of Genesis – 19.9%**

Ulysses: A Transformational Opportunity



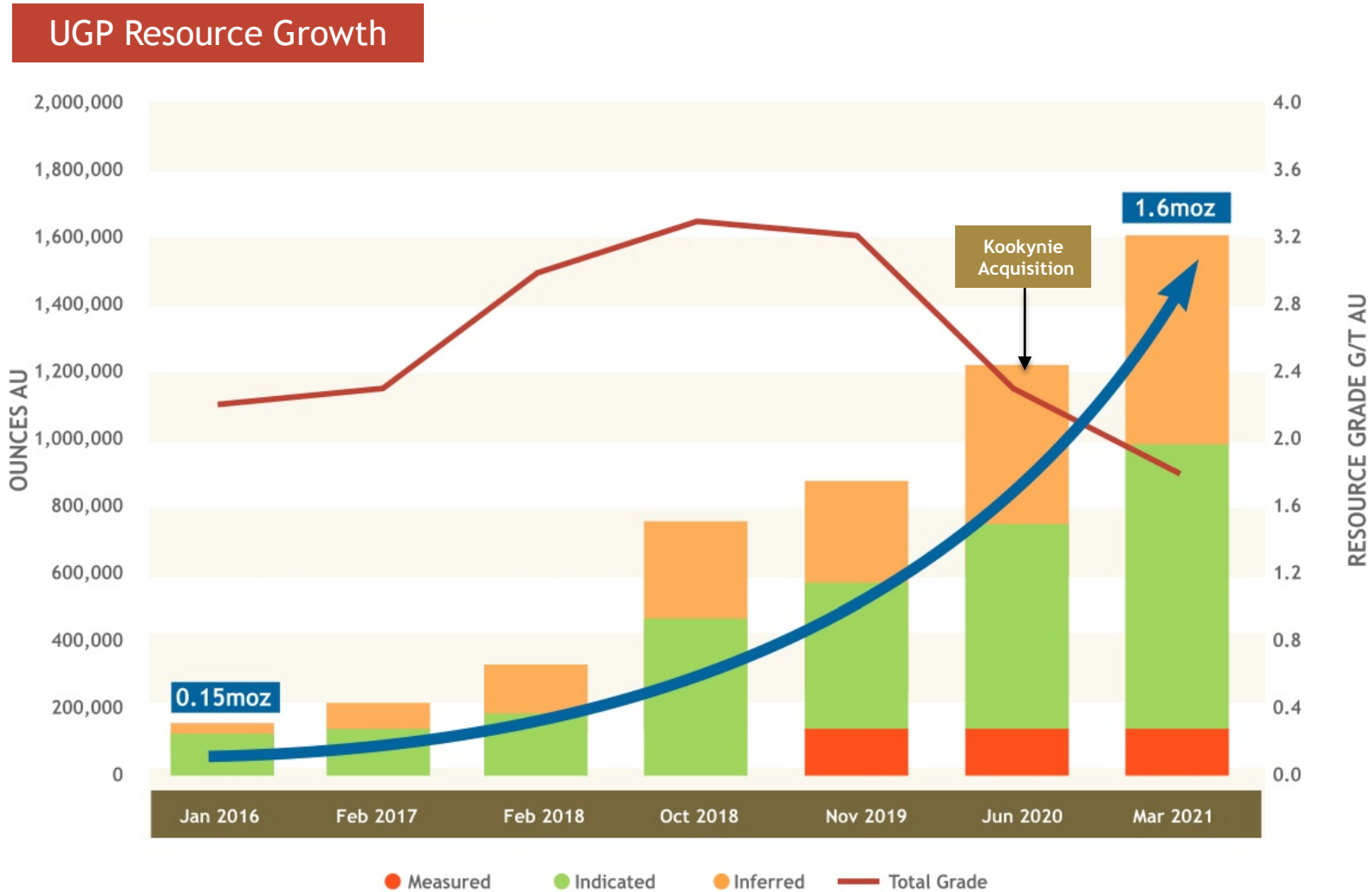
- ▶ Project expanded via **strategic acquisition** (June 2020) of the adjoining Kookynie tenements
- ▶ **March 2021 Mineral Resource** incorporated the results of the **highly successful drilling programs** completed (July 20 to March 21) at the Ulysses Project since acquisition of Kookynie tenements
- ▶ Aggressive drilling program ongoing with **+60,000m** to be completed in 2H 2021 – RC, diamond and air-core
- ▶ Recent drilling (April 21 onwards) 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



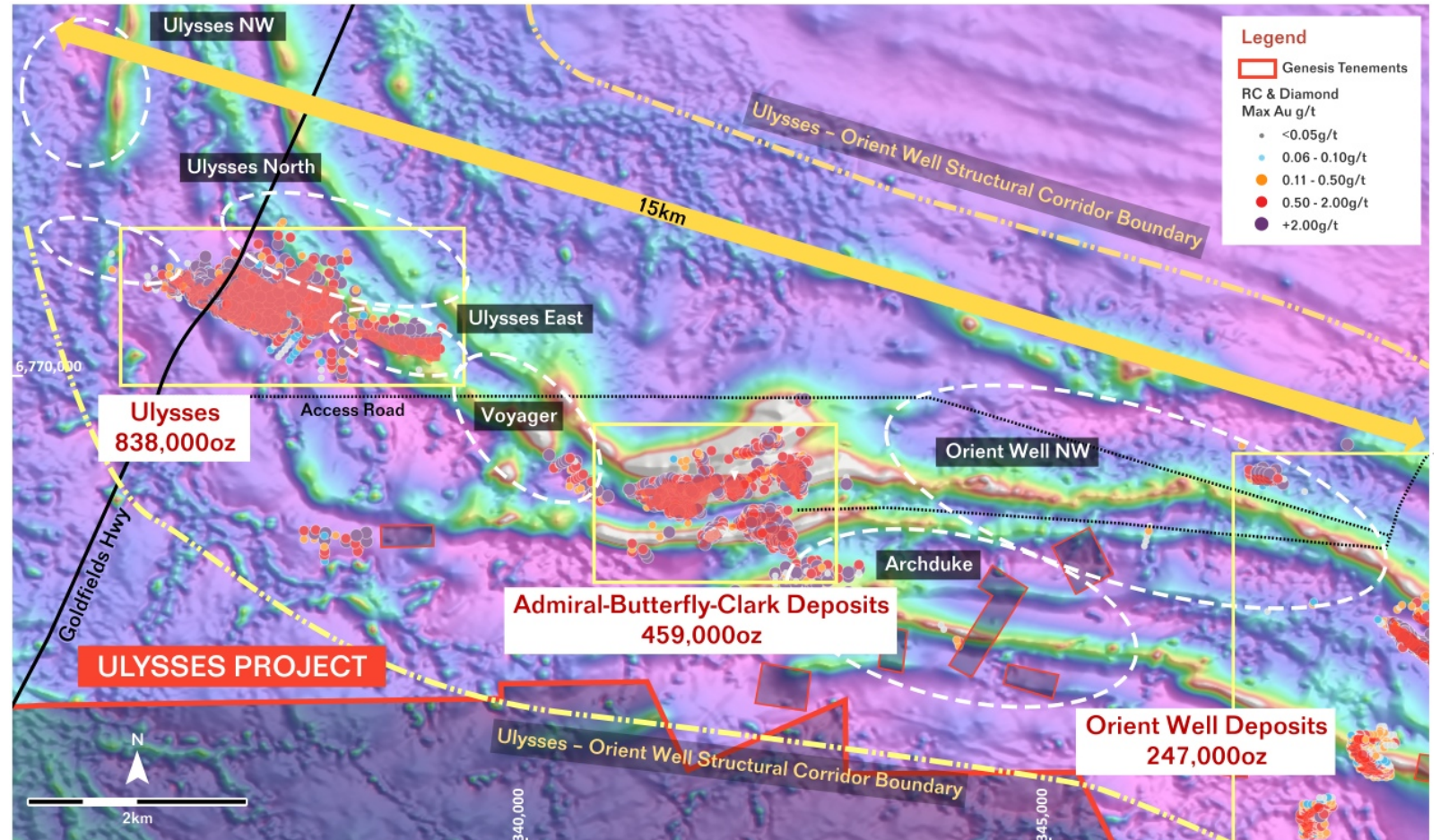
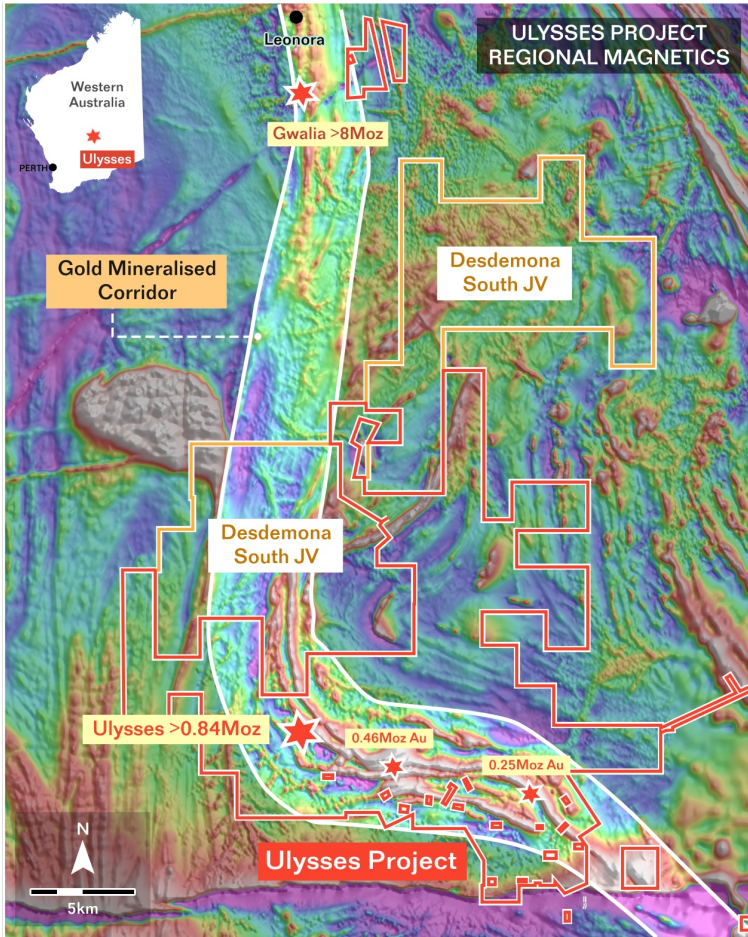
- ▶ **+900% increase in contained ounces over 5-year period**
- ▶ Total resource now **1.6Moz** (Acquisition and Discovery Cost **~A\$26/oz**)
- ▶ **61% of the total contained ounces for the Ulysses Project** are in the Measured and Indicated categories
- ▶ Ulysses deposit grown from **0.15Moz** to **0.84Moz**



Ulysses-Orient Well Shear Corridor: An Exceptional Target



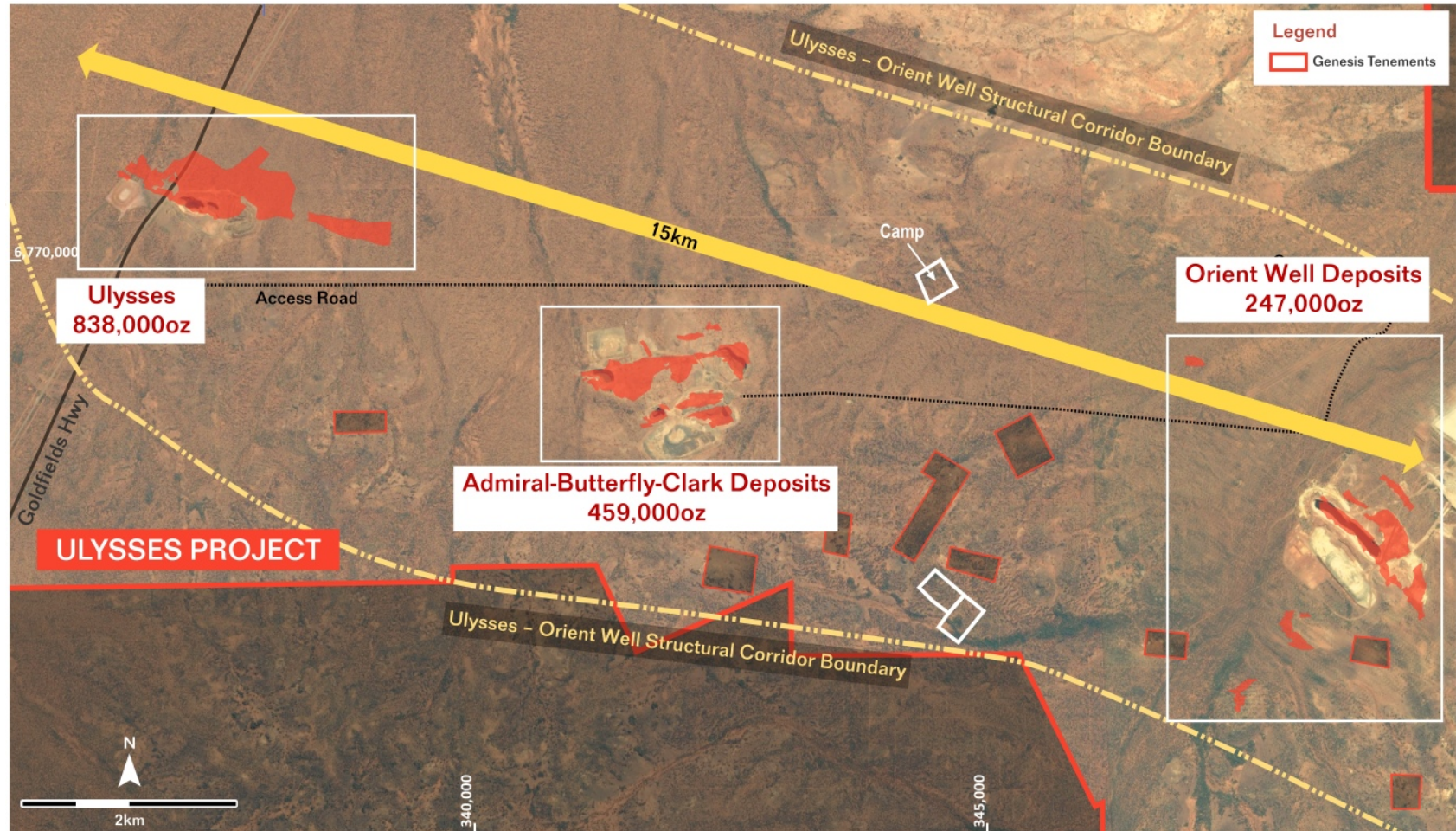
- ▶ Ulysses-Orient Well shear corridor has a significant gold endowment based on past production and current Resources
- ▶ 15km E-W oriented segment with widespread gold anomalism near-surface and limited deeper exploration
- ▶ Numerous NW and E-W oriented mineralised shears interpreted



Ulysses: A Transformational Opportunity



- ▶ Genesis controls an area of +650km²
- ▶ 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
- ▶ Repeat of Ulysses success
- ▶ Geological IP from Ulysses



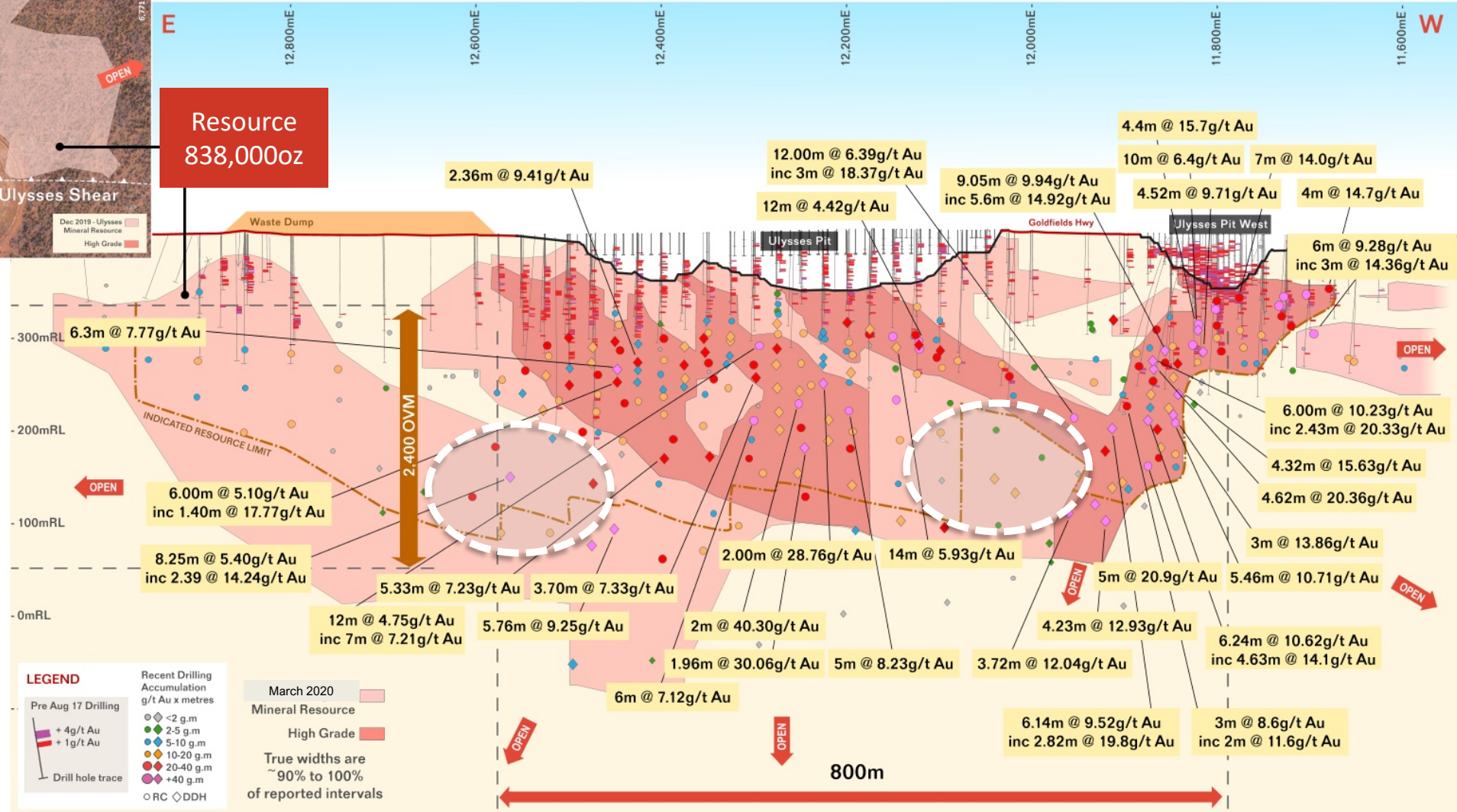
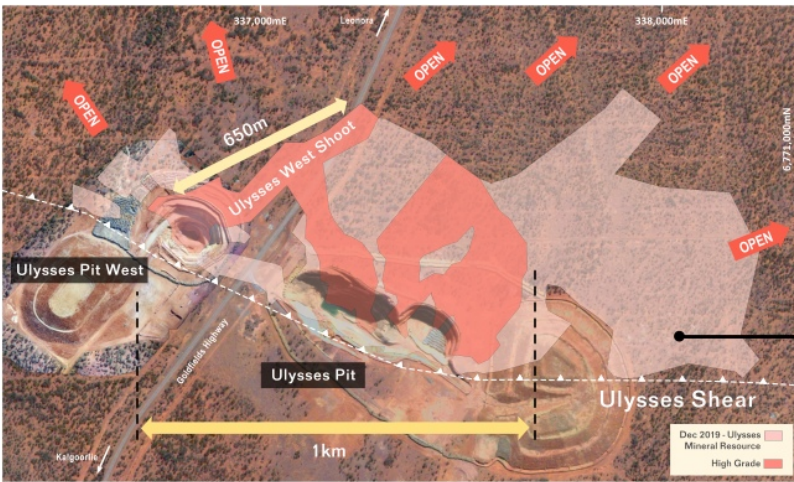
The tenement package represents the immediate south-eastern extension of the Ulysses Project, consolidating our ownership of this highly prospective gold corridor.

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

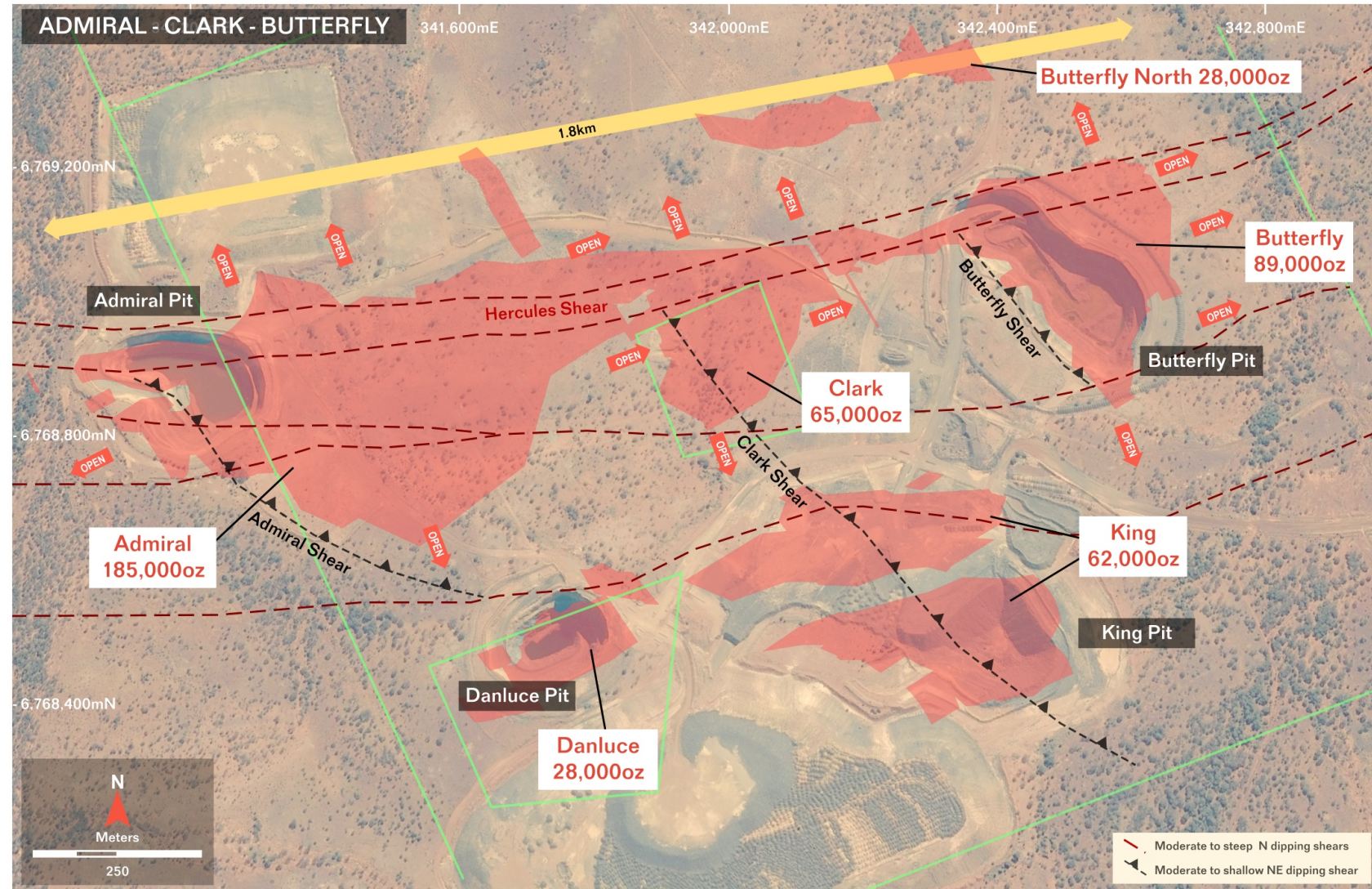


- ▶ High-grade, high quality JORC 2012 Mineral Resource:
 - ▶ **7.74Mt @ 3.4g/t gold for 838,000 oz – open**
- ▶ High-grade portion of resource estimated to contain:
 - ▶ **4.84Mt @ 4.5g/t gold for 705,400oz**
- ▶ Includes high-grade shoots containing:
 - ▶ **1.75Mt @ 6.4g/t gold for 363,000oz**

Ulysses: Admiral - Clark - Butterfly



- ▶ Significant shallow gold mineralisation confirmed¹
- ▶ 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



¹ Refer to the ASX announcements dated 15 & 29 September and 9 December 2020 and 13 January, 15 February, 12 March and 12 May 2021 for full details of the results.

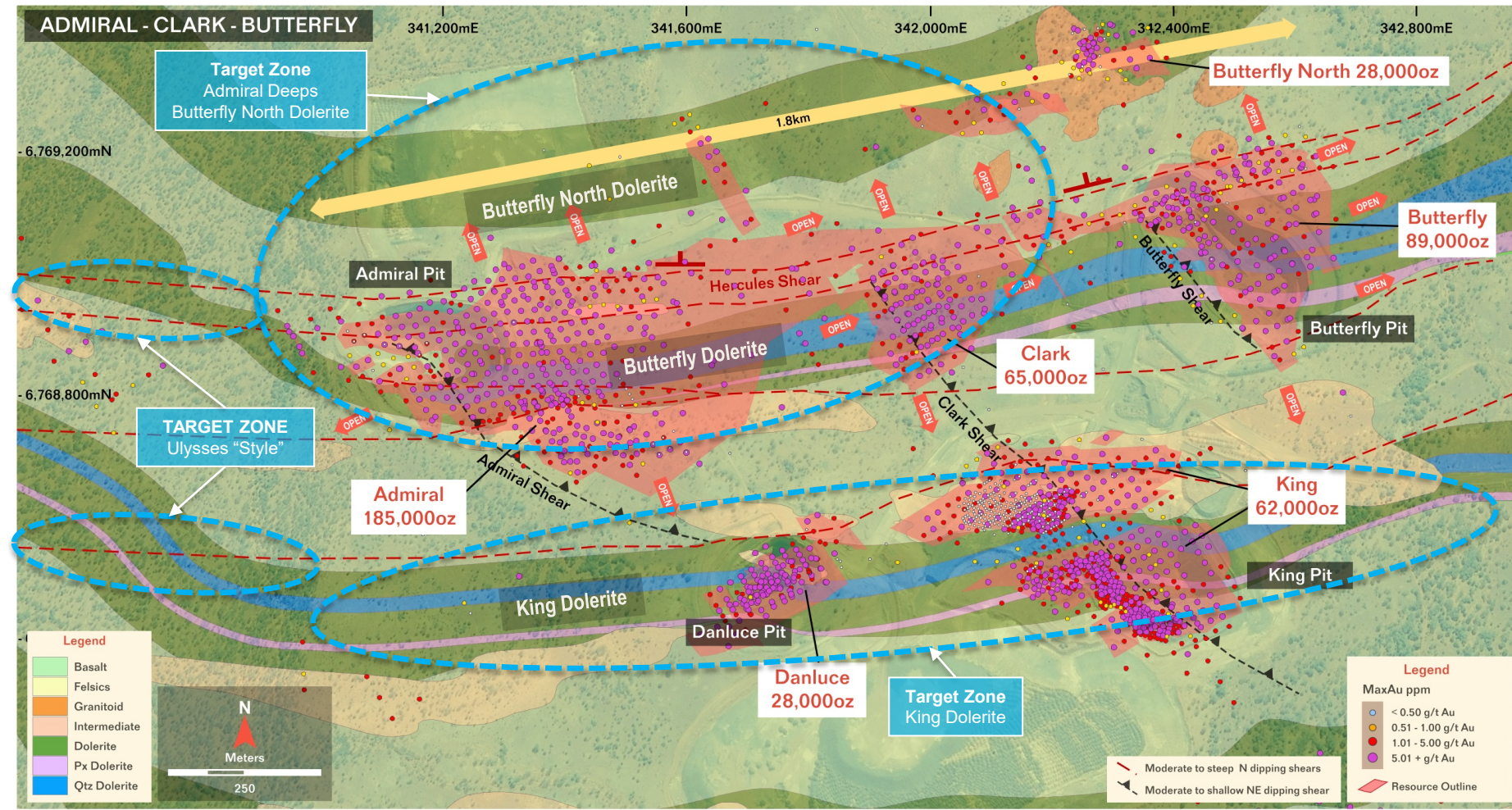
Ulysses: Admiral - Clark - Butterfly - Geology Overview



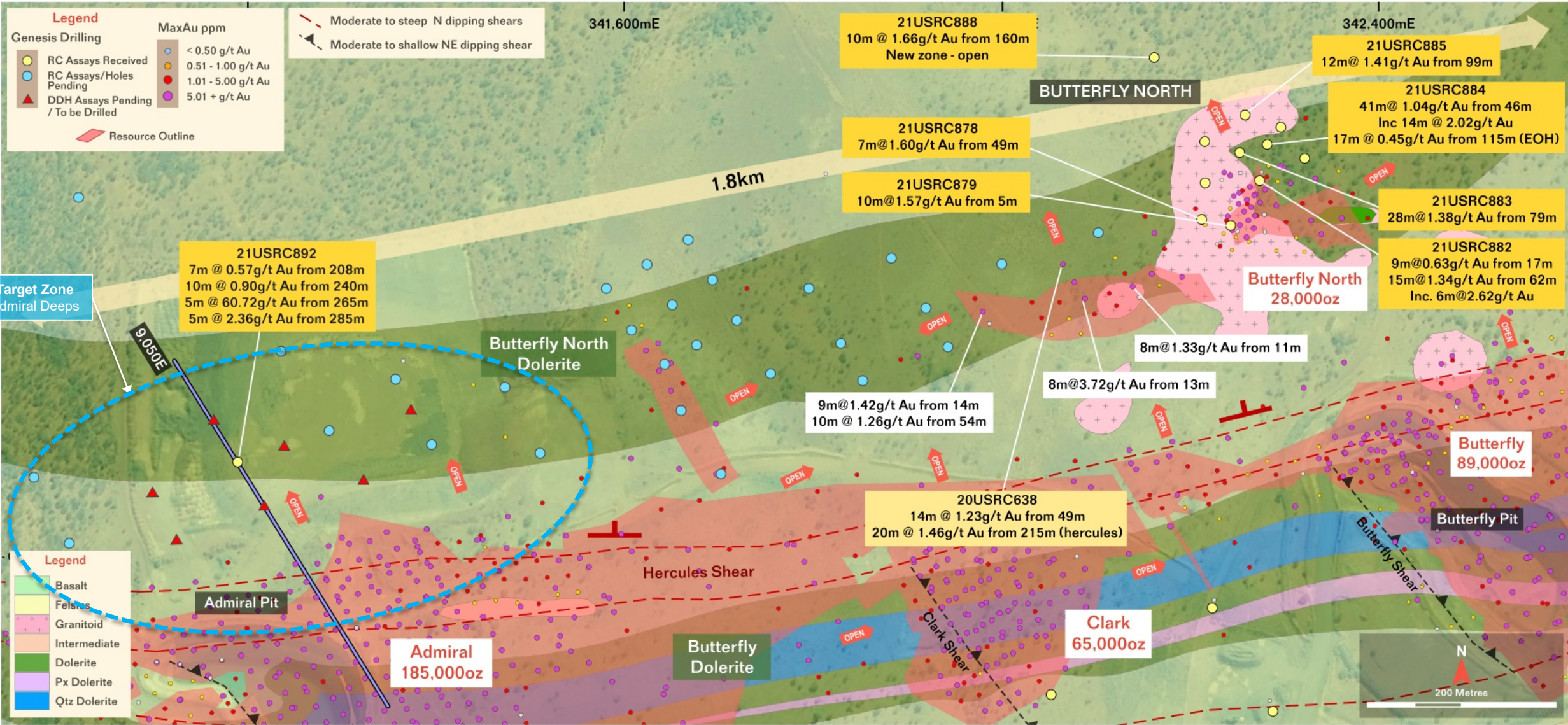
- ▶ Three differentiated dolerite sills
- ▶ Key mineralisation controls identified include:
 - ▶ Intersection of coarse magnetic quartz dolerite with the low-angle NE dipping shears, e.g. Admiral Shear
 - ▶ Intersection of low-angle NE dipping shears with E-W shears
 - ▶ Northern shear zone (dip: 60=>350) and rheological contrasts along it, 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

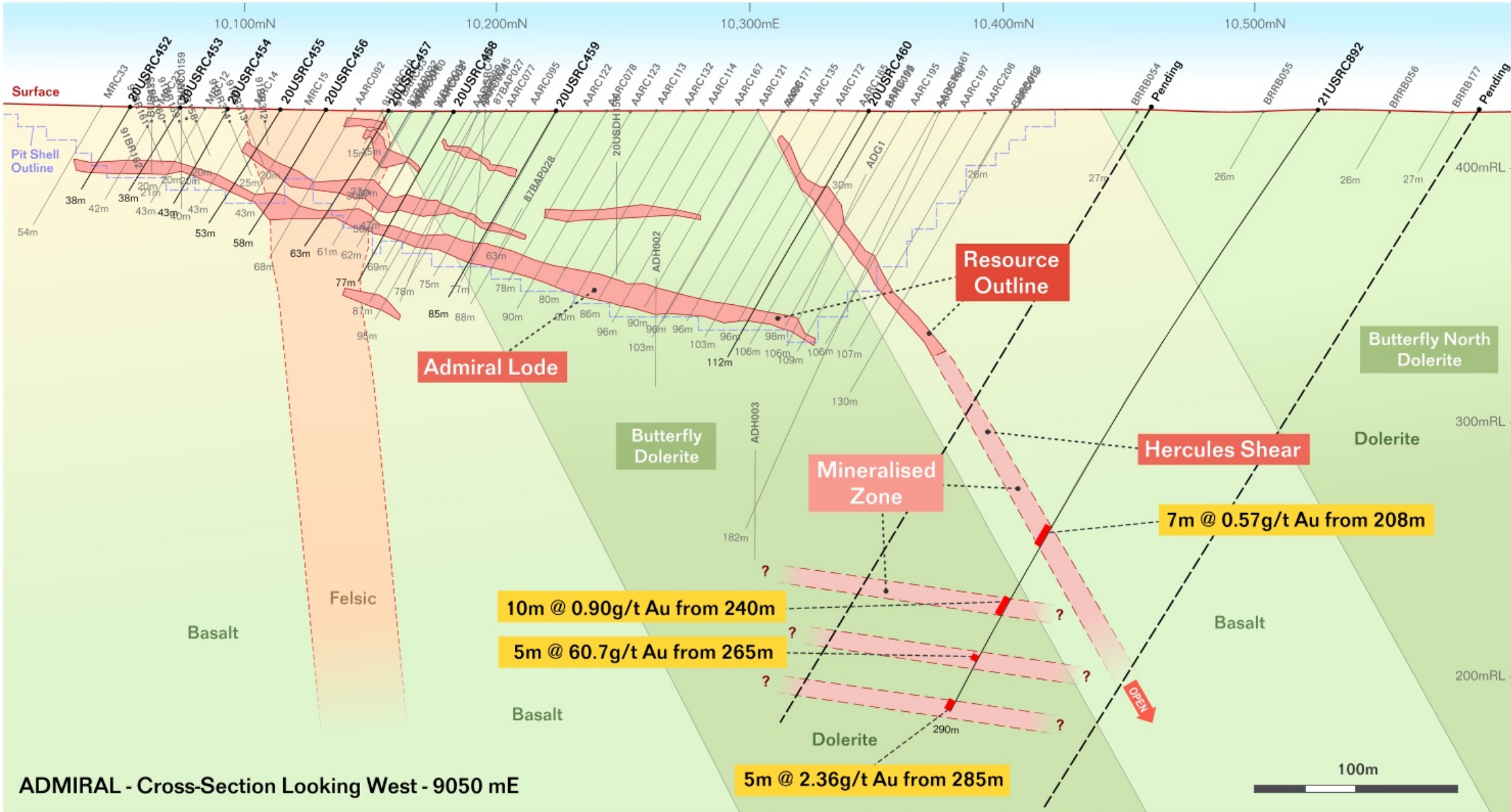


Ulysses: Admiral - Clark - Butterfly - Resource Growth



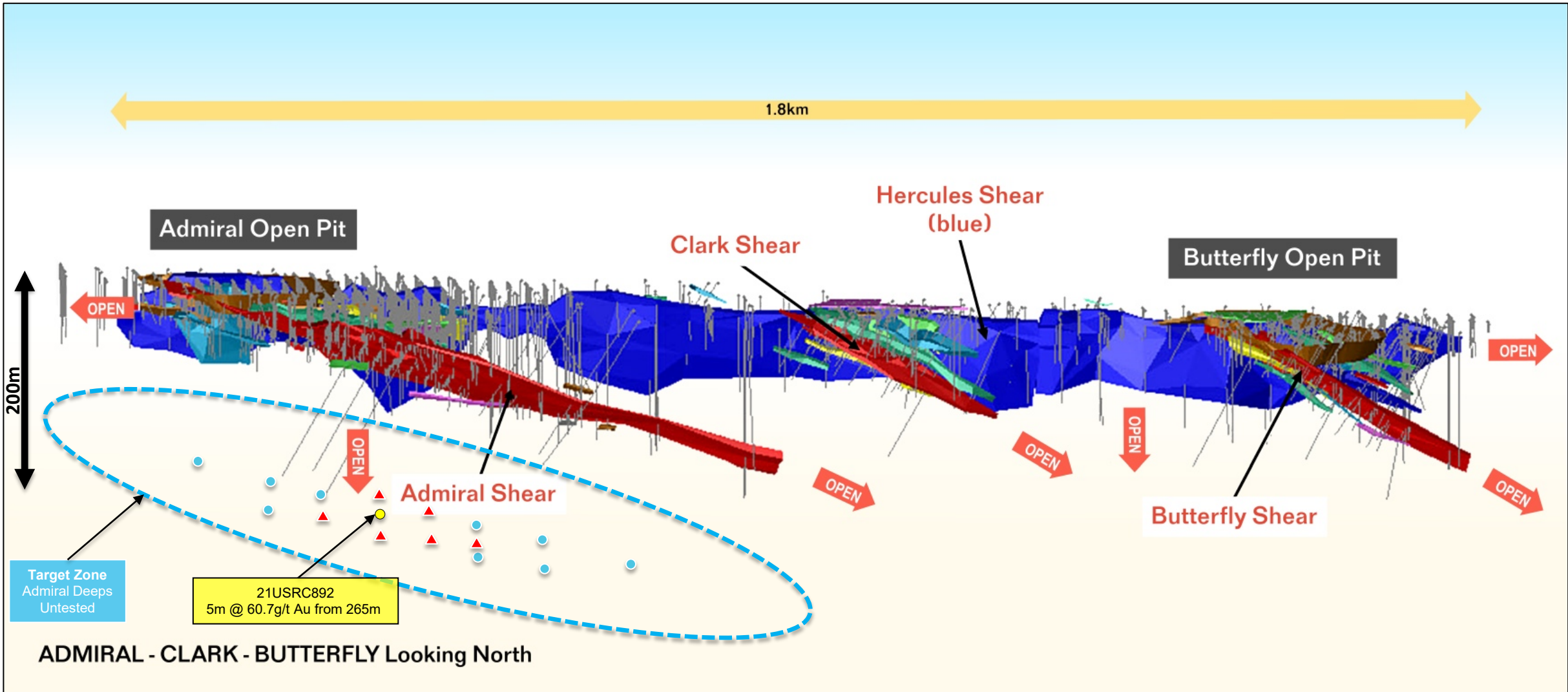
Refer to the ASX announcements dated 15 & 29 September and 9 December 2020 and 13 January, 15 February, 12 March and 12 May 2021 for full details of the results.

Ulysses: Admiral - Clark - Butterfly - Resource Growth



Refer to the ASX announcement dated 12 May 2021 for full details of the results.

Ulysses: Admiral - Clark - Butterfly - Long Section ~500m Influence



Ulysses: Orient Well

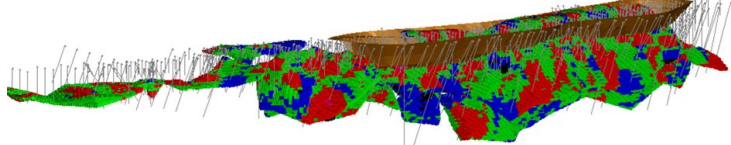


- ▶ Combined Mineral Resource for the Orient Well Group of deposits:

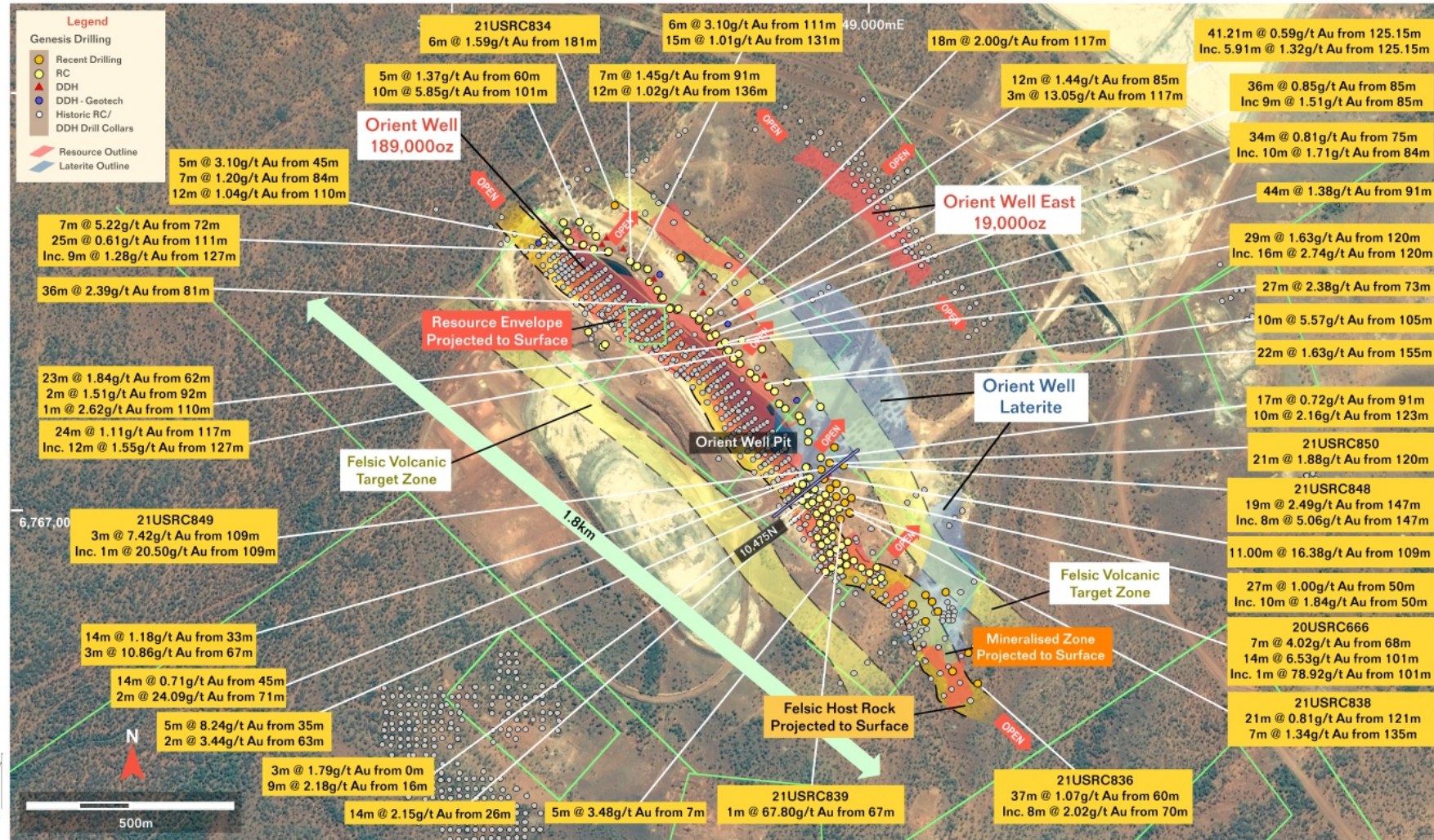
7.3Mt @ 1.1g/t Au for 247,000

- ▶ 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 Pit

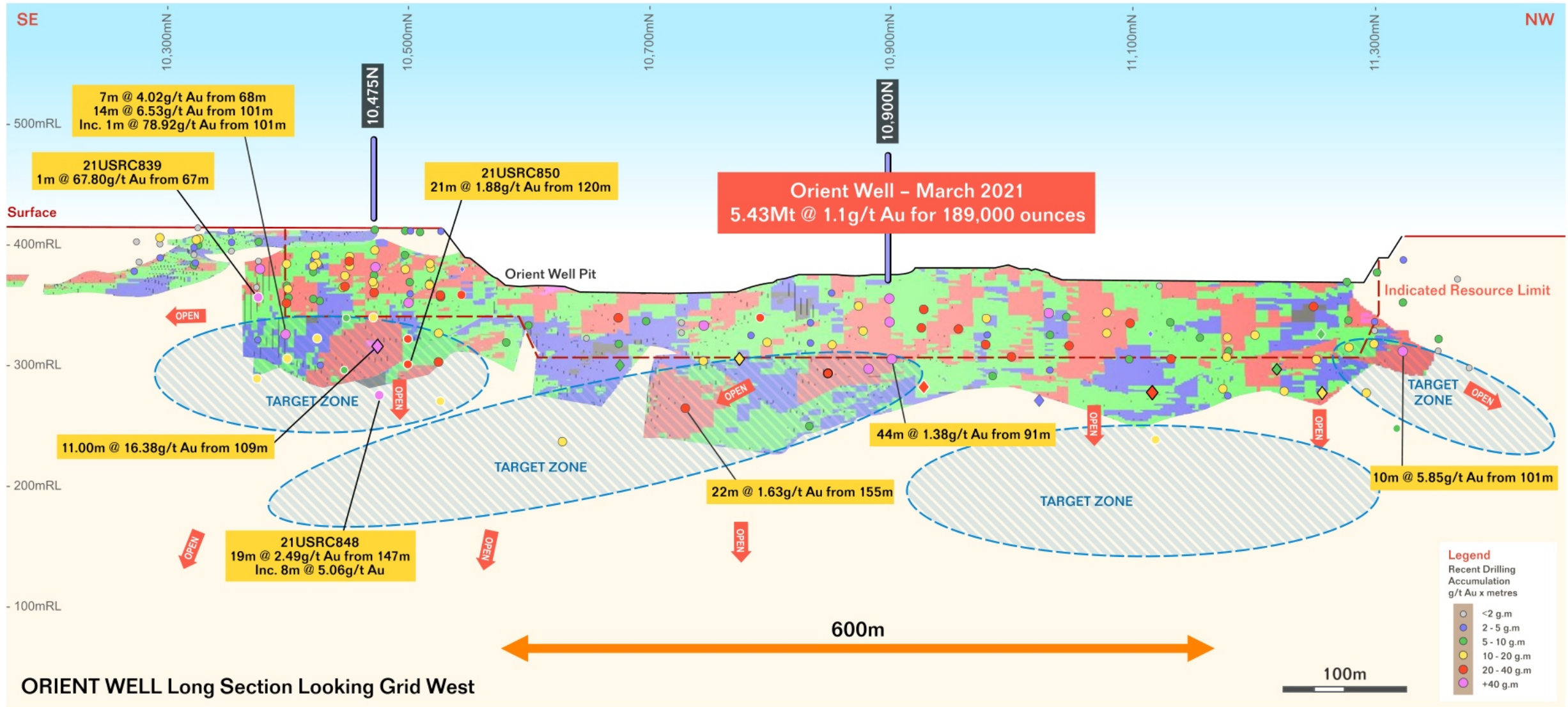


Orient Well oblique view of block model looking west



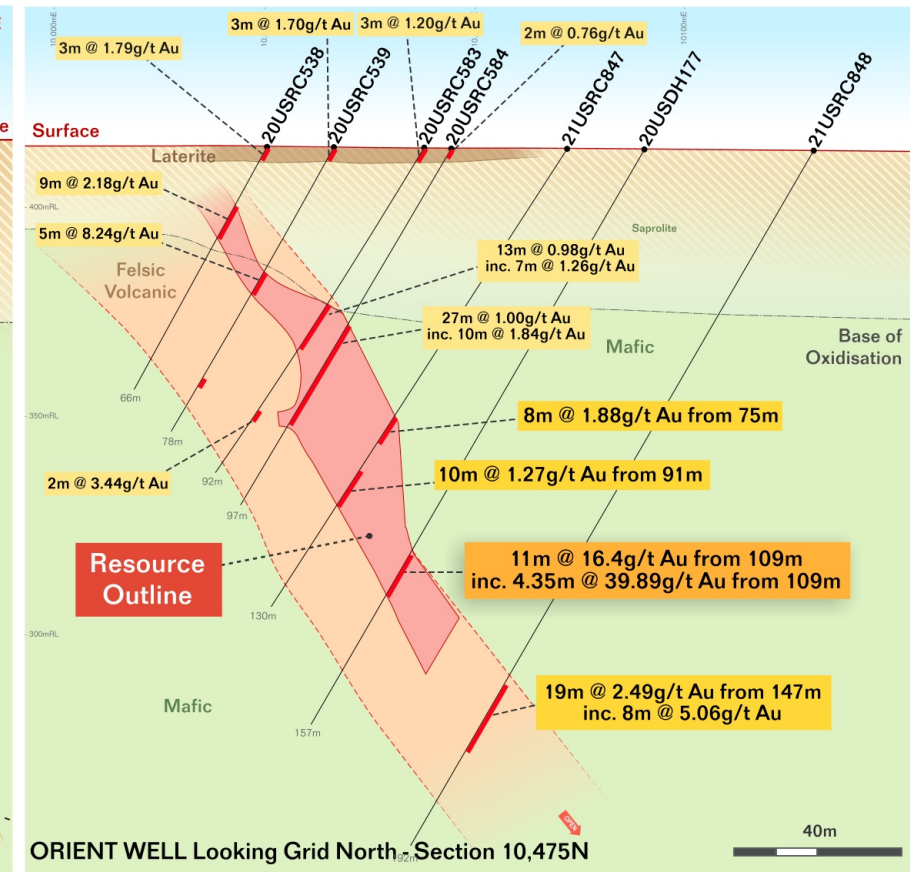
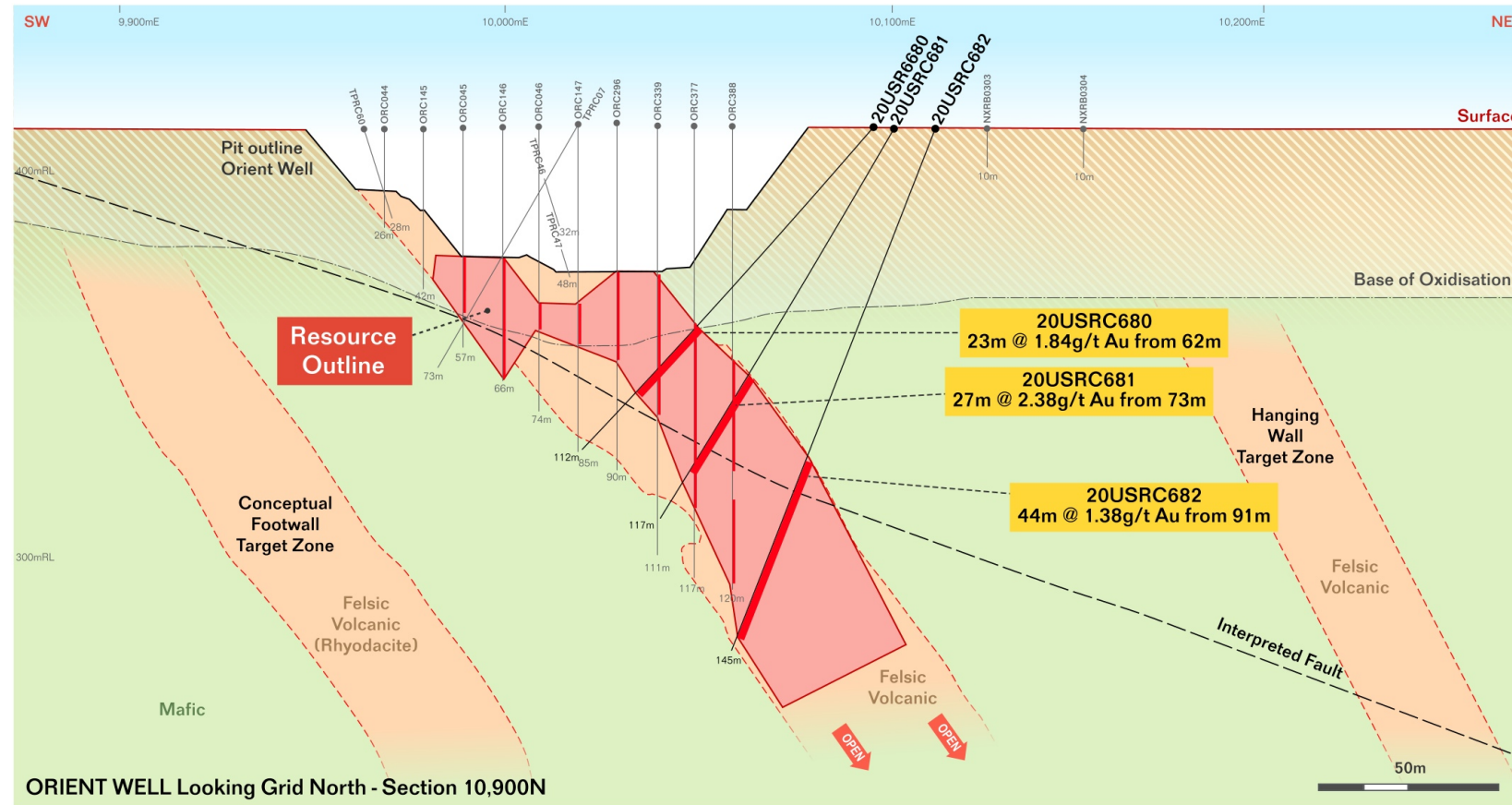
Refer to the ASX announcements dated 21 October and 9 November 2020 and 8 February, 17 February and 9 April 2021 for full details of the exploration results for Orient Well

Ulysses: Orient Well



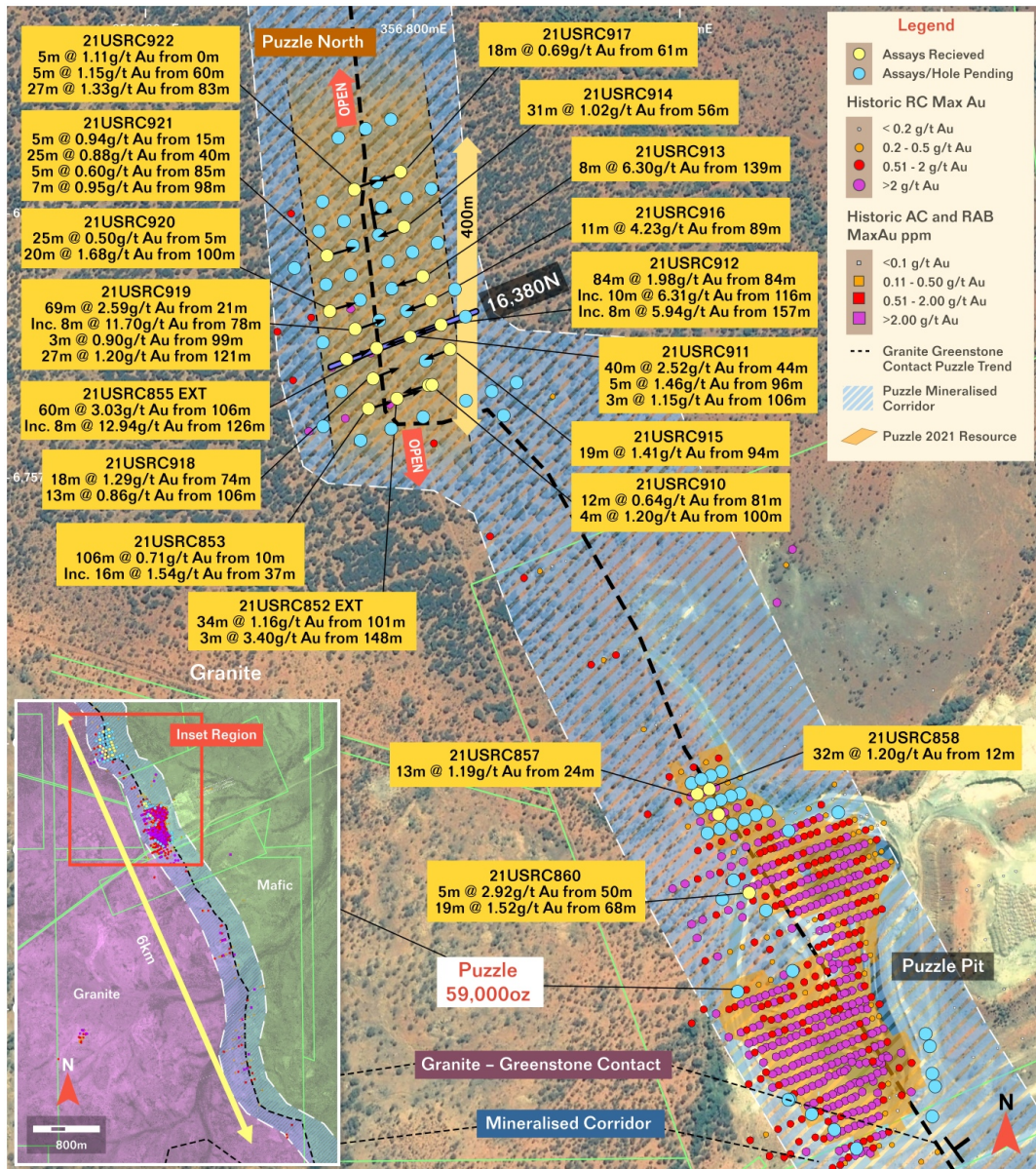
Refer to the ASX announcements dated 21 October and 9 November 2020 and 8 February, 17 February and 9 April 2021 for full details of the exploration results for Orient Well

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



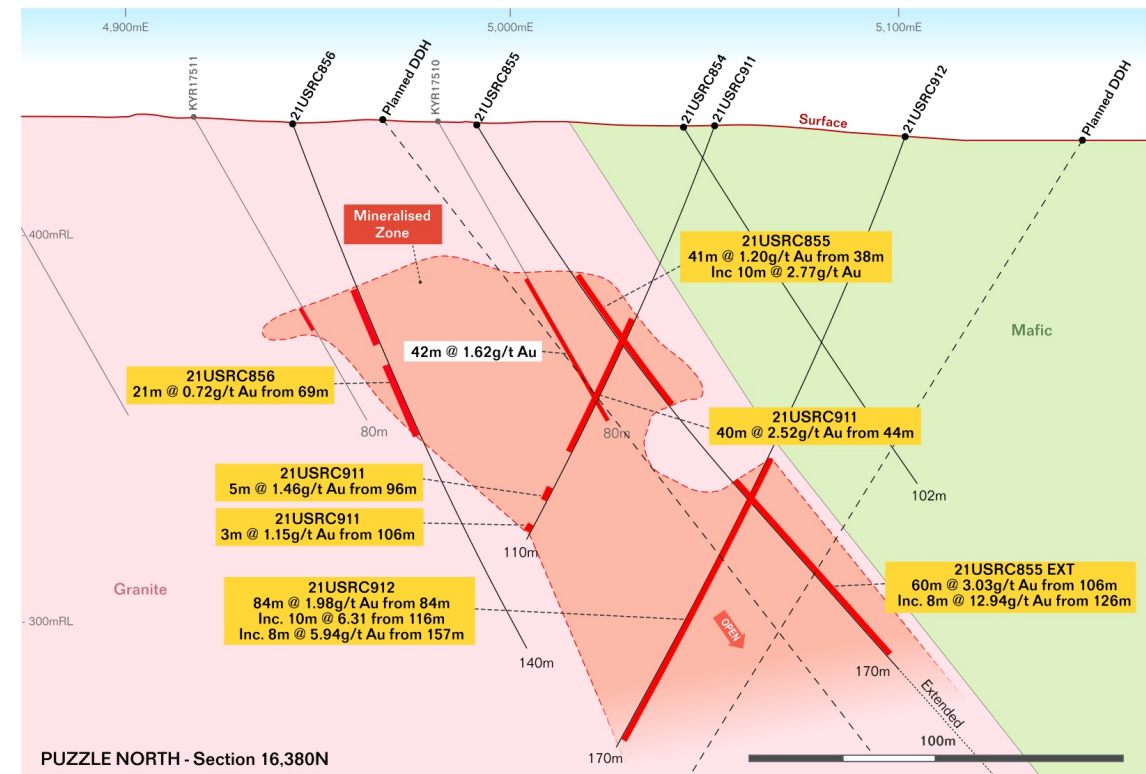
Refer to the ASX announcements dated 21 October and 9 November 2020 and 8 February, 17 February and 9 April 2021 for full details of the exploration results for Orient Well

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 North¹ 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**
- ▶ **11m @ 4.23g/t Au from 89m**

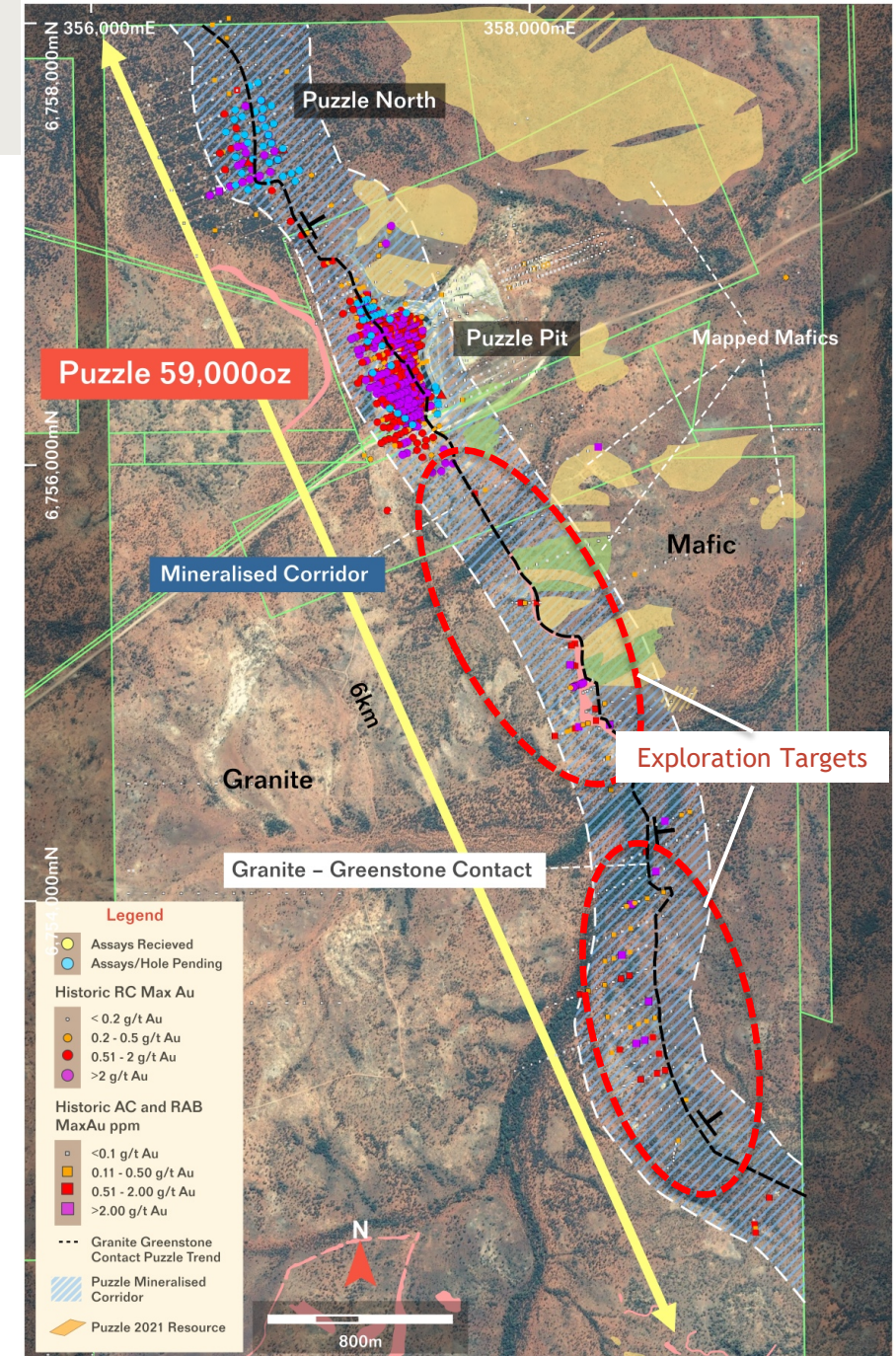


¹ Refer to the ASX announcements dated 9 April, 15 June and 1 July 2021 for full details of the results.

Ulysses: Puzzle Mineralised Trend



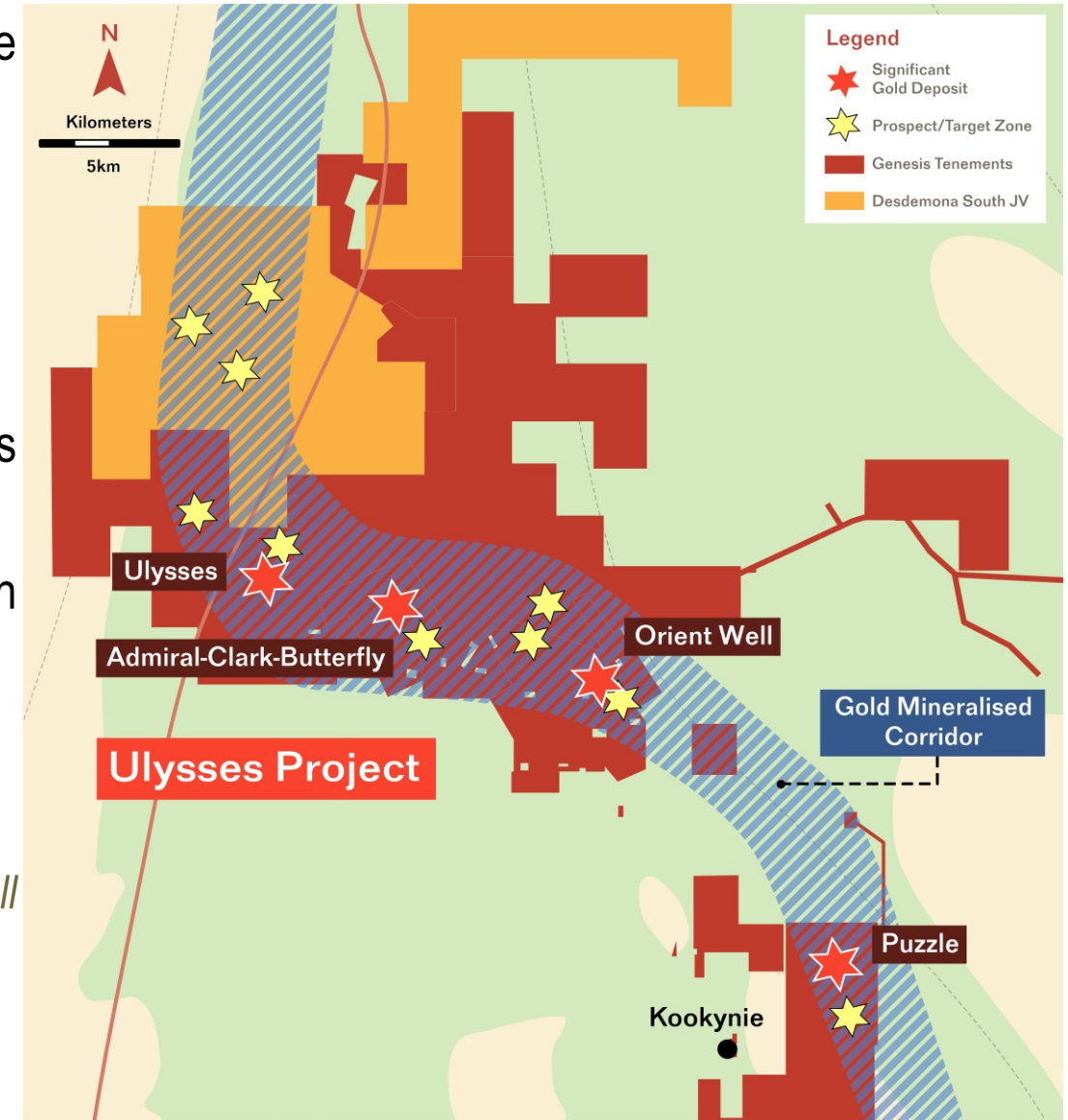
- ▶ Mineralisation at the Puzzle pit and Puzzle North interpreted to be spatially related to distinct undulations (changes in strike and dip) on the granite contact
- ▶ **Significant Exploration Target** defined associated with east-dipping granite-greenstone contact extending over 6km of strike
- ▶ 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 to target a number of similar geological settings along the granite contact
- ▶ **+8,000m of air-core and RC drilling planned 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



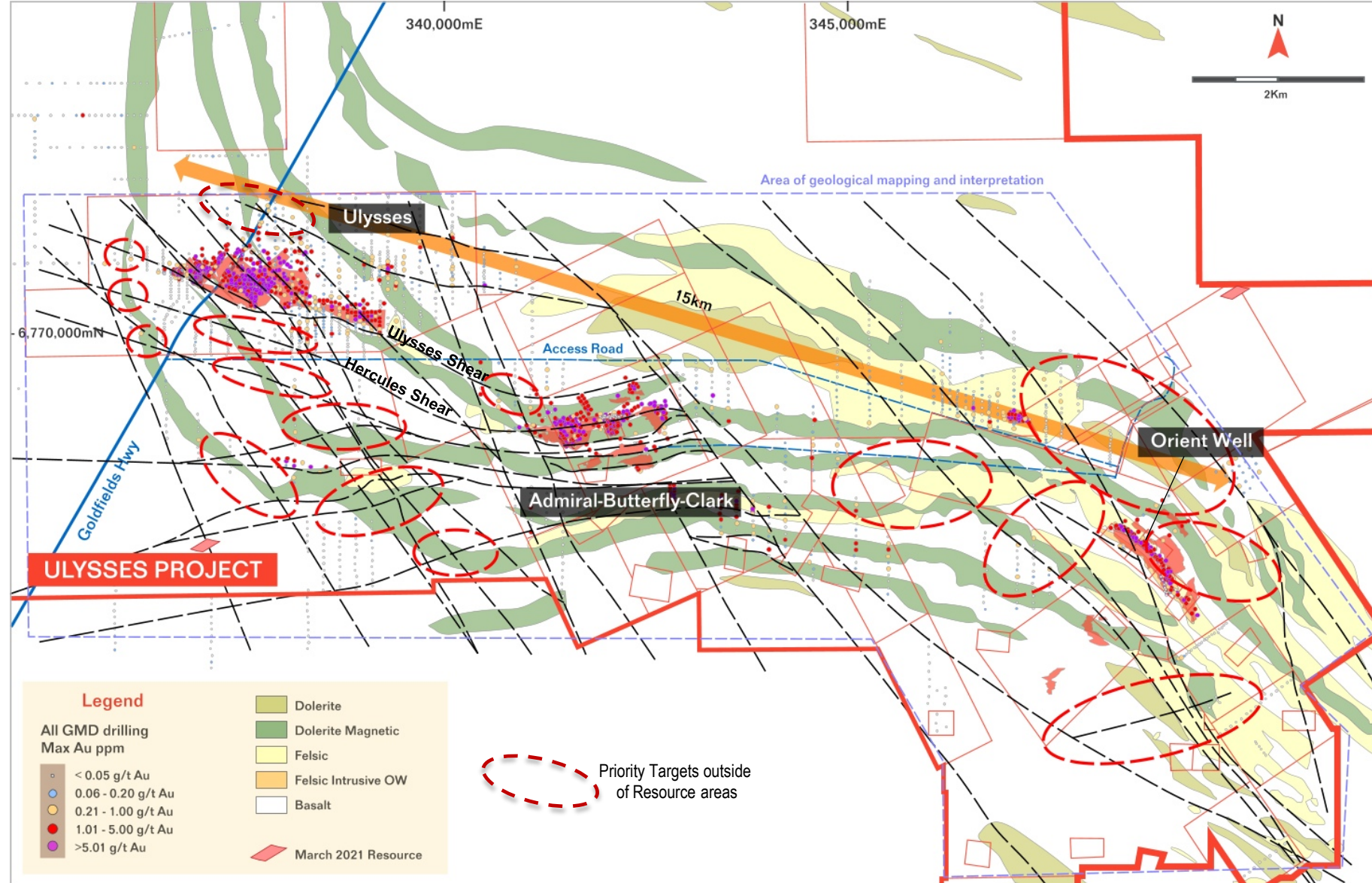
- ▶ Genesis now controls over 40km of strike of highly prospective ground
- ▶ Genesis is the first Company to control the whole area
- ▶ Vast regional exploration upside
- ▶ Pipeline of both near-mine and regional exploration targets
- ▶ Air-core drilling commenced at Desdemona South and Ulysses to Orient Well
- ▶ 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



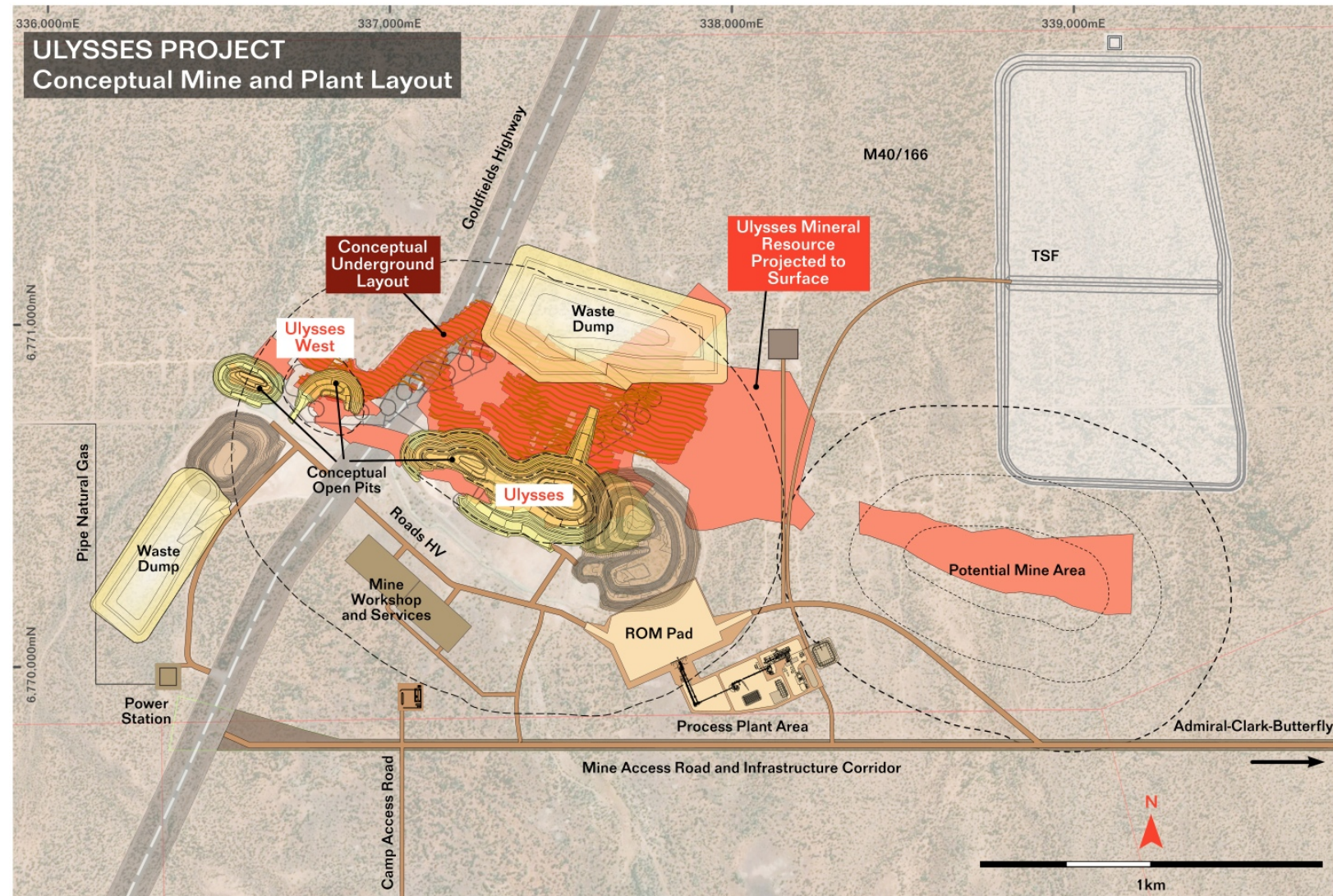
- ▶ Numerous priority targets outside of known resource areas generated from recent mapping and interpretation
- ▶ Targets include intersection of shear zones with differentiated dolerite units with potential to form Ulysses style deposits



Ulysses: Feasibility Study Nearing Completion



- ▶ Feasibility Study on construction of a standalone treatment facility at Ulysses utilising ore sourced from both underground and open pit sources, with a focus on the Admiral-Clark-Butterfly area and Orient Well for initial sources of open pit mineralisation
- ▶ Current work packages include:
 - ▶ Significant advancement towards completion of the metallurgical test work program except for Puzzle
 - ▶ Open pit geotechnical wall stability analysis
 - ▶ Process plant and NPI design finalisation
 - ▶ Detailed hydrological and hydrogeological work packages
 - ▶ Advancement of Open Pit and Underground optimisations and mine design
 - ▶ Operating and Capital Cost estimation
 - ▶ Completion of the Works Approval submission
 - ▶ Advancement of Mining Proposal and Mine Closure Plan submissions
 - ▶ Finalisation of the licences to take and use water across the project
 - ▶ Ongoing negotiations to secure the Miscellaneous Licences supporting the mining proposal





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

- ✓ Genesis on a firm growth trajectory towards the establishment of a significant new standalone gold mining and processing operation at Ulysses
- ✓ Significant zones of mineralisation discovered at Puzzle North and Admiral
- ✓ Feasibility study progressing well on developing a stand alone operation at Ulysses
- ✓ 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
- ✓ Genesis has a pipeline of both near-mine and regional exploration targets

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
Ulysses													
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
Sub Total		795,000	5.3	135,000	4,341,000	3.1	434,000	2,607,000	3.2	269,000	7,743,000	3.4	838,000
ABC													
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
Sub Total					4,702,000	1.6	238,000	5,649,000	1.2	221,000	10,351,000	1.4	459,000
Orient Well													
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
Sub Total					4,180,000	1.0	136,000	3,094,000	1.1	112,000	7,274,000	1.1	247,000
Kookynie													
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
Sub Total					1,177,000	1.1	40,000	725,000	1.0	23,000	1,902,000	1.0	63,000
Project Total		795,000	5.3	135,000	14,400,000	1.8	849,000	12,075,000	1.6	625,000	27,270,000	1.8	1,608,000

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

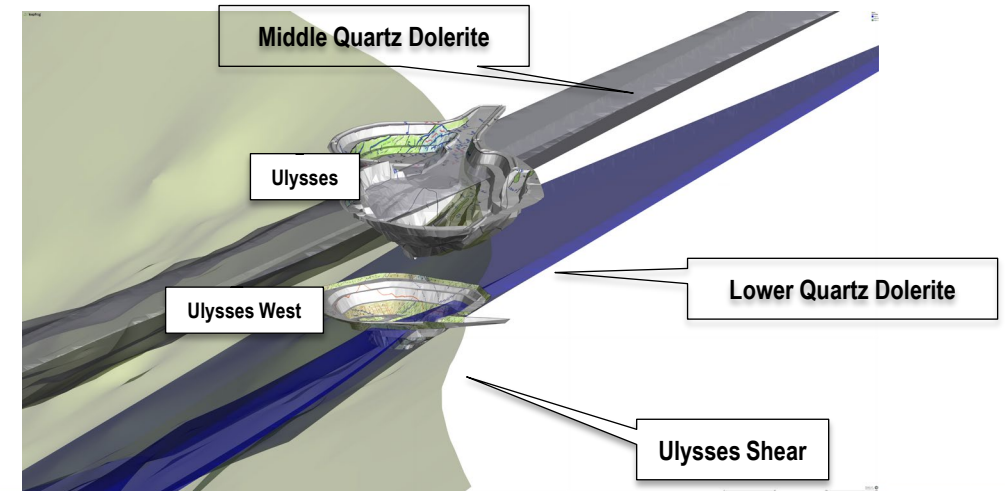
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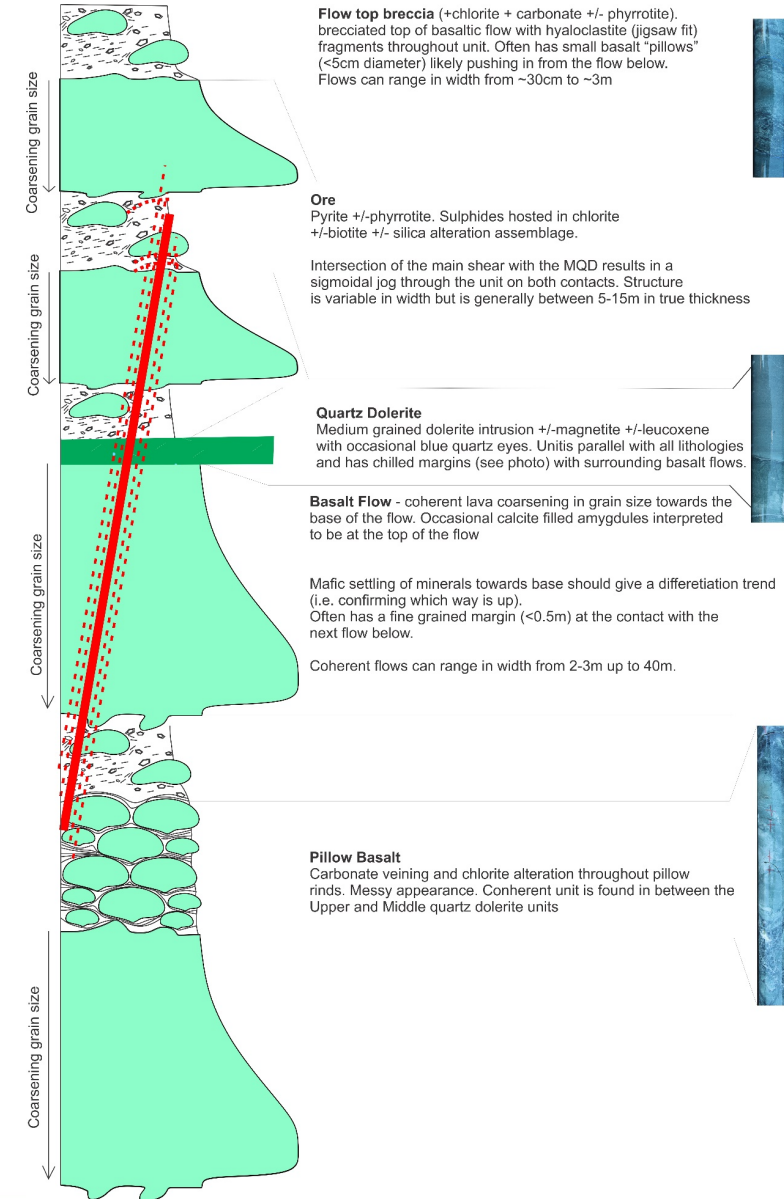
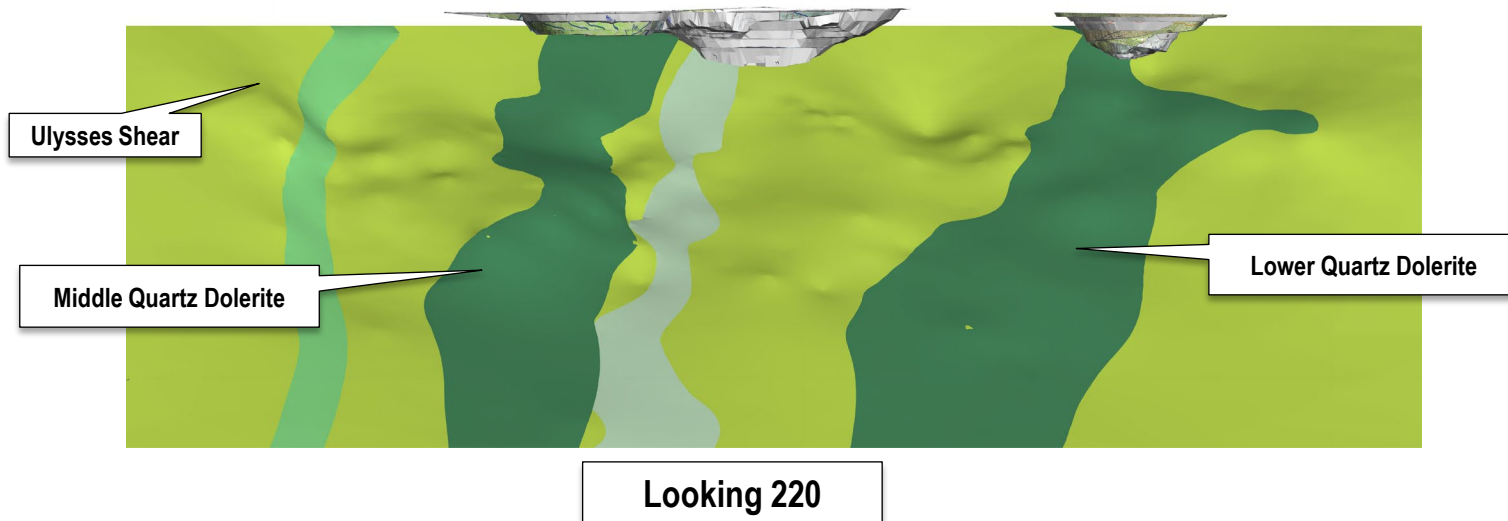
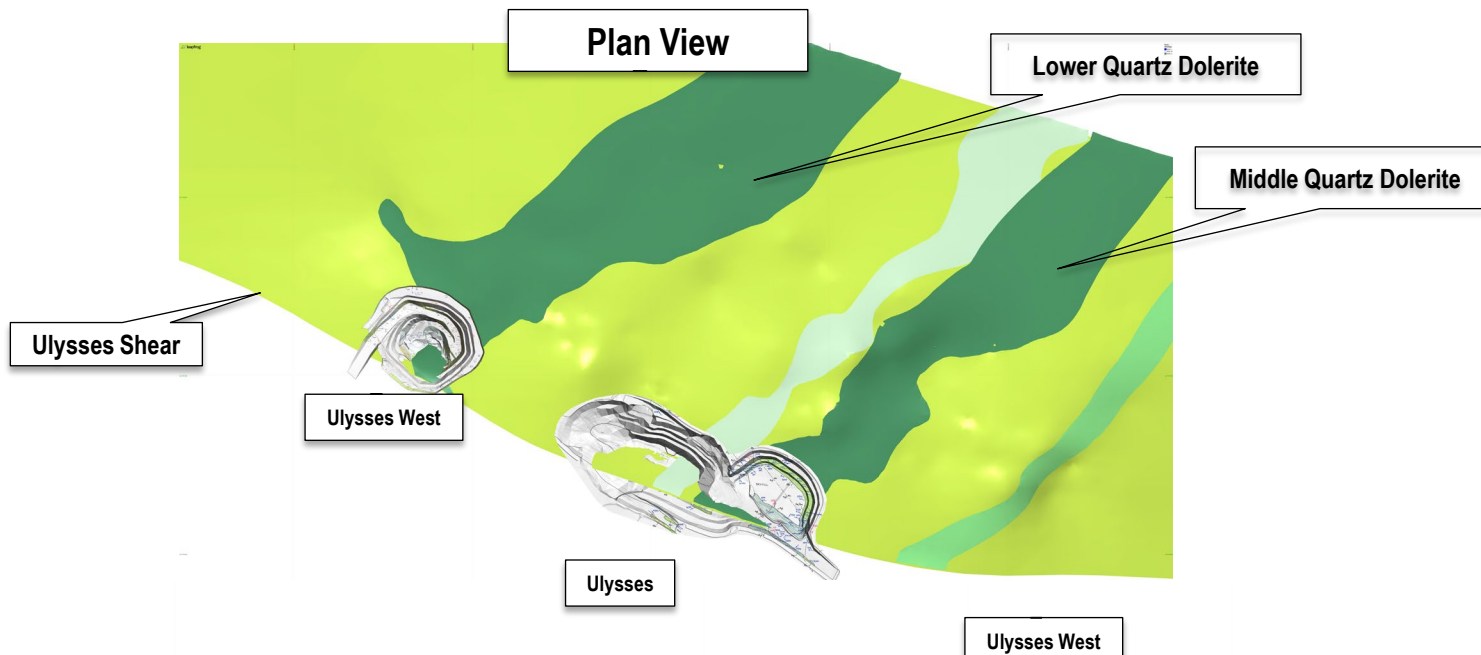
Ulysses - Geology



- The Ulysses Au deposit is developed within a WNW-striking, 35° NNE-dipping shear zone (Ulysses Shear), which has sinistral strike-slip kinematics. The Ulysses Shear cuts at low angle through the entirely mafic stratigraphy, which is slightly more NW-striking, and dips 30° to the NE. The most distinctive features of the stratigraphy are a titanomagnetite-rich quartz dolerite sills (Quartz Dolerite - Lower, Middle and Upper).
- The Ulysses Shear has a predictable geometry, and is mineralised throughout the deposit area. Typical mineralised intervals consist of biotite-silica-albite-carbonate-pyrite-pyrrhotite lode-style alteration. Highest-grade intervals are associated with intense silica-albite-sulphide replacement of the shear fabric. Coarse gold is not observed. Significant alteration is restricted to the shear zone and immediate halo.
- The shear zone has low displacement, with insignificant offsets of stratigraphy shown in geological interpretations. The Ulysses deposit maybe situated in an embayment in the Ulysses shear zone with convexity oriented to the south. The Ulysses shear maybe a late-tectonic, low displacement shear, formed to "relieve" ongoing stress, once folds were "tightened up."
- Though mineralised throughout, the Ulysses Shear hosts a number of known high-grade shoots, the controls on which have been established through mapping, structural analysis, and 3D geological modelling.
- The Ulysses West shoot, mined in the Ulysses West open pit, is controlled by the intersection of the Ulysses Shear with the Lower Quartz Dolerite. This intersectional shoot has a strike length of ~150 m, plunges 35° to the NE, and has currently been intercepted to +800 m down-plunge (+350 metres below surface) and is open.
- The Ulysses East shoot, mined in the eastern end of the main Ulysses open pit, is controlled by the intersection of the Ulysses Shear with the Middle Quartz Dolerite. The intersectional geometries here are complicated by the Ulysses Shear splitting into a series of sub-parallel structures. The main part of the Ulysses East shoot has currently been intercepted to +900 m down-plunge.
- A further control on mineralisation appears to be related to thickening of the Ulysses mineralised shear, which creates a high tenor mineralised trend plunging at approximately 20° to the north-west. Geological logging from diamond core supports this with thickening of quartz veins with a plunging fold axes observed in the same orientation.



Ulysses - Geology





Admiral Dolerite: Logging 20USDH148

Lithology:

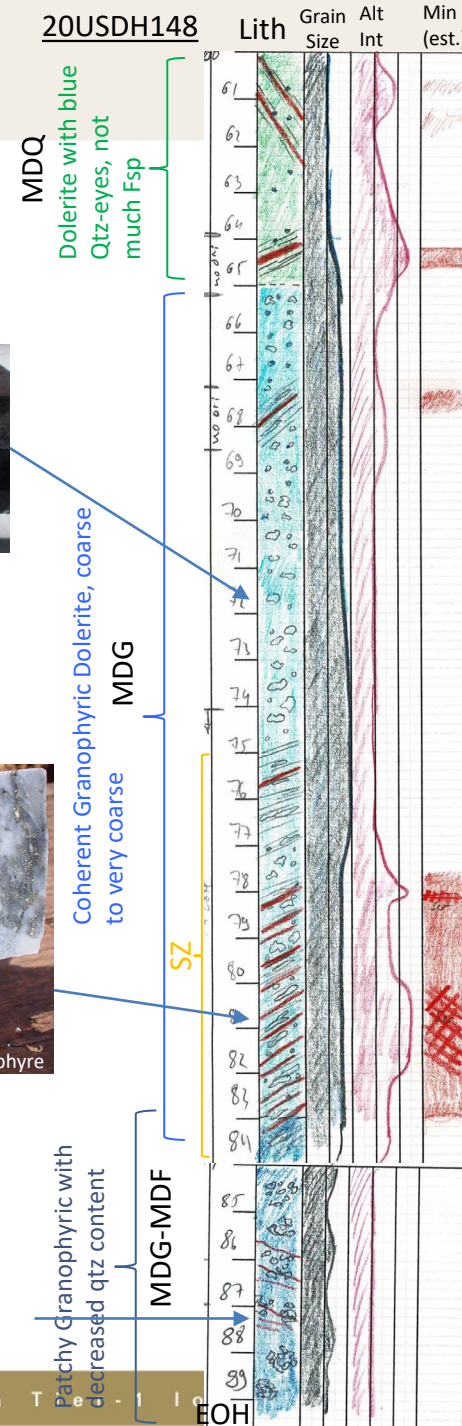
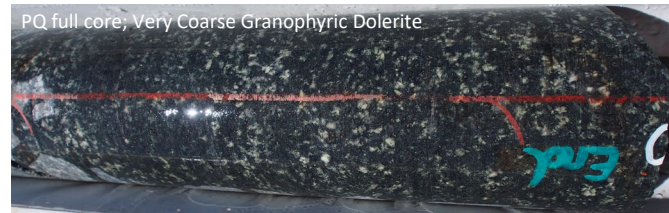
- ▶ very coarse granophyric section
- ▶ blue qtz-eyes and fsp-qtz intergrowths often >30% of rock
- ▶ transitions into medium grained, patchy-granophyre towards end of logged hole, with a possible drop in qtz-content
- ▶ terminates in patchy granophyric dolerite

Alteration:

- ▶ qtz-albite-biotite+pyrite is progressively overprinted by qtz-albite-sericite+pyrite (see image)
- ▶ qtz-albite-sericite+pyrite likely marks highest grades

Structure:

- ▶ alteration focused within moderate to strongly sheared 10m wide zone



10.00m @ 5.74g/t Au from 75m