

# MALLINA BASIN EXPLORATION UPDATE

*Located north and proximal to the 11.2m ounce HEMI deposit (ASX: DEG)*

## Highlights

- **Detailed Geophysical Review for Mount Berghaus (E45/5899) continues to provide encouragement.**
- **Further geophysical investigations will focus on two significant extensive “gold halos” located towards the south of the exploration licence.**
- **Follow up high resolution ground borne gravity survey will commence this quarter.**

Mantle Minerals Limited (**ASX:MTL**) (“Mantle”) (“the Company”) is pleased to advise that Core Geophysics has provided its preliminary geophysical review of the Mount Berghaus exploration licence E45/ 5899. The review was initiated after RC drilling in late 2024 confirmed a broad halo of deeper-seated fresh rock gold mineralisation within Hemi-style igneous lithologies. The De Grey Mining Limited (**ASX: DEG**) (**De Grey**) Hemi gold resource (264 Mt @ 1.3 g/t gold for 11.2 Moz) is situated approximately 10 kilometres to the south-west of the Company’s Mt Berghaus tenement (a summary of De Grey’s Hemi Mineral Resource Estimate is provided in Appendix 1).

The review concluded that higher grade gold intersected by the recent drilling appears to be located on the edge of a subtle magnetic feature and NW trending structure close to interpreted Mallina parallel NE-SW trending structures.

Additional NW structures are interpreted in the vicinity of the high grade mineralisation which extend to the south east of the tenement where a small group of elevated magnetic anomalies are evident which may represent potential intrusives.

Prior to further drilling, the company has commissioned a follow up high resolution ground borne gravity survey to assist definition of buried intrusives and structural controls on mineralisation.

The follow up high resolution gravity survey covers the area of the drill line in the south of the Mount Berghaus exploration licence), which contains two interpreted gold halos;

- The first is over 800m long across 8 consecutive drill holes containing various intersections of gold in fresh rock between 40 to 80 metres deep, and containing the following intersections;
  - o 4m @ 3.57 g/t Au from 40m in MMAC0218
  - o 5m @ 1.10 g/t Au from 40m in MMRC01
- The second is from one of two RC holes drilled on the same line, containing the following intersection;
  - o 32m @ 0.16g/t Au, from 123 metres in MMRC01.

## De Grey Drilling at Roberts Hill

De Grey have provided the Company assay results from their recent aircore drilling at Roberts Hill with no significant intersections to report.

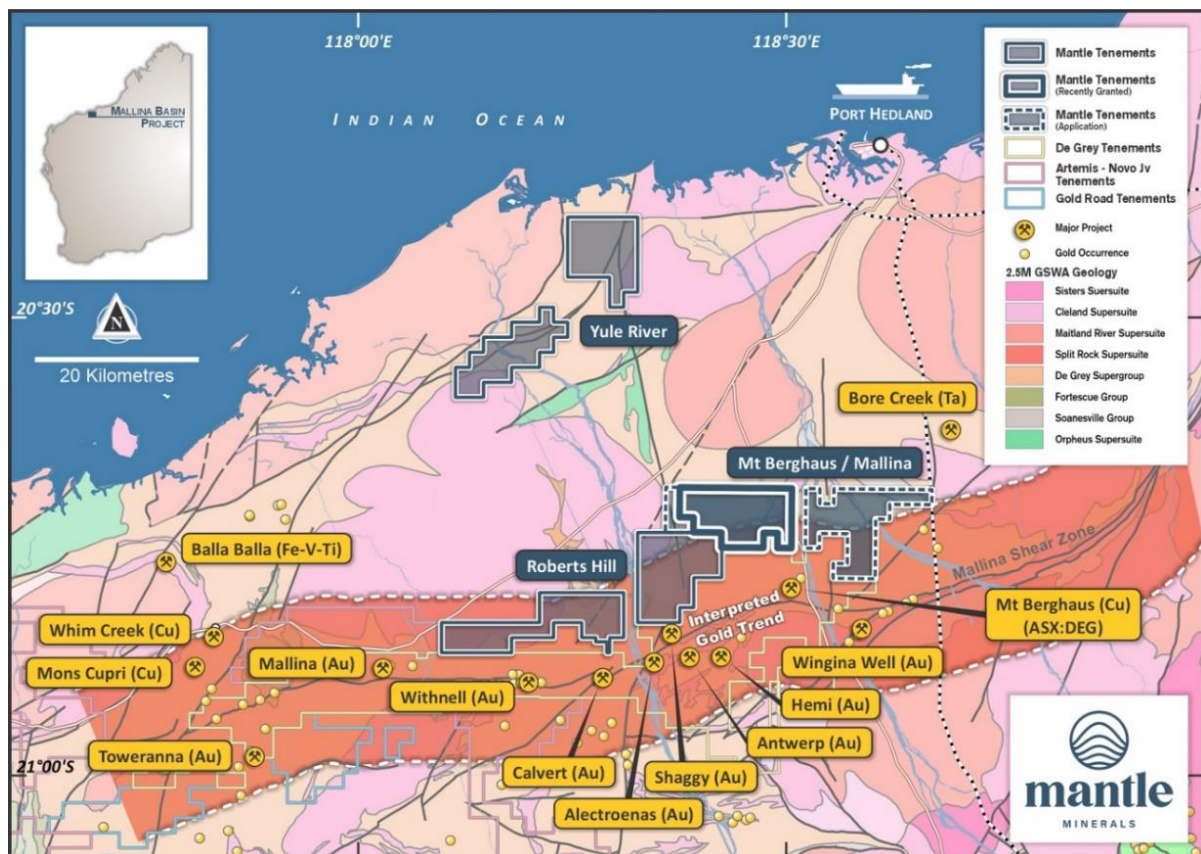


Figure 1: Roberts Hill and Mount Berghaus exploration tenements

This announcement has been authorised for release by the Mantle Minerals Limited Board of Directors.

**For Further Information, please contact:**

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### Competent Person Statement

The information within this announcement that relates to Exploration Results and Geological data at the Mt Berghaus and Roberts Hill Projects are based on information compiled by Mr. Chris Storey and is subject to the individual consents and attributions provided in the original market announcements and reports referred to in the text of this announcement. Mr. Storey is not aware of any other new information or data that materially affects the information included in the original market announcements or reports referred, and that all material assumptions and technical parameters have not materially changed.

Mr. Storey is a consultant to the Company and he has sufficient experience relevant to the styles of mineralisation and types of deposits under consideration and to the activities currently being undertaken to qualify as a Competent Person(s) as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results Mineral Resources and Ore Reserves and he consents to the inclusion of the above information in the form and context in which it appears in this report.

### Forward-Looking Statement Disclaimer

This announcement contains forward-looking statements that involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions, or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions, and strategies described in this announcement. No obligation is assumed to update forward-looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

### References

*For more information on the results disclosed in this release, please refer to the Company's ASX Announcements:*

30 July 2024                      Mount Berghaus Gold Results  
25 November 2024 RC Drilling Confirms Gold Mineralisation

## APPENDIX 1

De Grey Mining Limited (ASX:DEG) – Hemi Resource November 2024

**Table 1 Hemi - Mineral Resource Estimate (JORC 2012) by Deposit, November 2024**

Deposit	Measured			Indicated			Inferred			Total		
	Mt	Au g/t	Au koz	Mt	Au g/t	Au koz	Mt	Au g/t	Au koz	Mt	Au g/t	Au koz
Aquila				12.3	1.6	650	9.0	1.4	400	21.3	1.5	1,050
Brolga	12.7	1.4	588	30.7	1.4	1,345	14.9	1.1	546	58.3	1.3	2,479
Crow				23.2	1.1	850	14.5	1.4	668	37.7	1.3	1,517
Diucon				37.1	1.3	1,584	20.6	1.4	925	57.7	1.4	2,509
Eagle				19.7	1.2	743	29.8	1.4	1,338	49.5	1.3	2,081
Falcon				25.4	1.3	1,089	10.2	1.1	361	35.6	1.3	1,450
Antwerp							3.9	0.7	88	3.9	0.7	88
<b>Total Hemi</b>	<b>12.7</b>	<b>1.4</b>	<b>588</b>	<b>148.5</b>	<b>1.3</b>	<b>6,261</b>	<b>102.7</b>	<b>1.3</b>	<b>4,326</b>	<b>263.9</b>	<b>1.3</b>	<b>11,174</b>

Note: 0.3g/t Au cut-off above 390m depth, 1.0g/t Au cut-off below 390m depth, assays to 31 October 2024. Rounding may result in apparent summation differences between tonnes, grade and contained metal

**Table 2 Hemi - Mineral Resource Estimate (JORC 2012) by Depth, November 2024**

Depth	Measured			Indicated			Inferred			Total		
	Mt	Au g/t	Au koz	Mt	Au g/t	Au koz	Mt	Au g/t	Au koz	Mt	Au g/t	Au koz
0 – 390m	12.7	1.4	588	148.0	1.3	6,241	62.5	1.1	2,295	223.2	1.3	9,123
Below 390m				0.5	1.2	20	40.2	1.6	2,031	40.7	1.6	2,050
<b>Total Hemi</b>	<b>12.7</b>	<b>1.4</b>	<b>588</b>	<b>148.5</b>	<b>1.3</b>	<b>6,261</b>	<b>102.7</b>	<b>1.3</b>	<b>4,326</b>	<b>263.9</b>	<b>1.3</b>	<b>11,174</b>

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