

ASX code: MAU

ASX Release 13 December 2023

## MINING LEASE APPLICATION OVER THE LADY JULIE NORTH 4 DEPOSIT

Magnetic Resources lodged a Mining Lease application over its Lady Julie North 4 discovery. M38/1315 (pending) overlays Magnetic tenements P38/4170 and E38/3127 and covers an area of 238Ha (Figure 1).

The application was made on the basis of the declared gold resource at LJN4 of 13.1Mt @ 2.0g/t containing 852,000ozs, bringing the total of the Laverton area resources to 22.7Mt @ 1.69 g/t for 1.24Mozs, which was published recently in an ASX release 23 November 2023 (also in Figures 1-2, Tables 1-2).

The rapidly growing LJN4 resource is situated on the Chatterbox shear zone, a regional structure which hosts other significant gold deposits. An aggressive drilling program at LJN4 has led to the recognition of thick high-grade breccia mineralisation and silica-pyrite alteration zones which remain open at depth. Further drilling at depth is anticipated to result in further growth of the LJN4 resource.

Work is continuing on the development of a Mining Proposal which will apply to both M38/1315 and a further Mining Lease over other key deposits (Figure 2). Magnetic can now advise that the application has passed the initial 35-day period and will now move through the Department of Energy, Mines, Industry Regulation and Safety's review and approvals process.

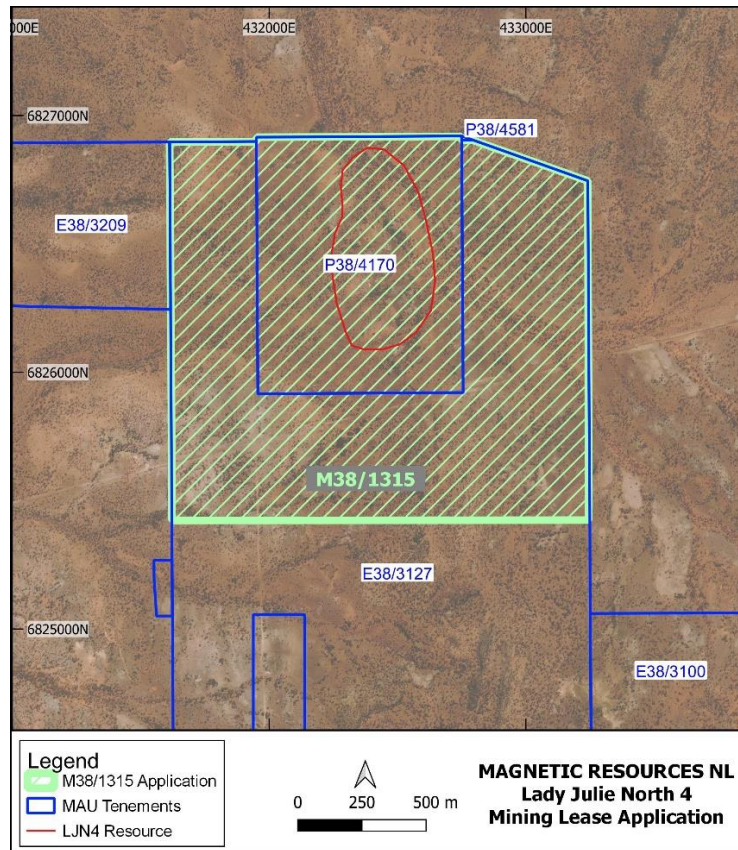


Figure 1. Magnetic's Mining Lease Application (M38/1315)



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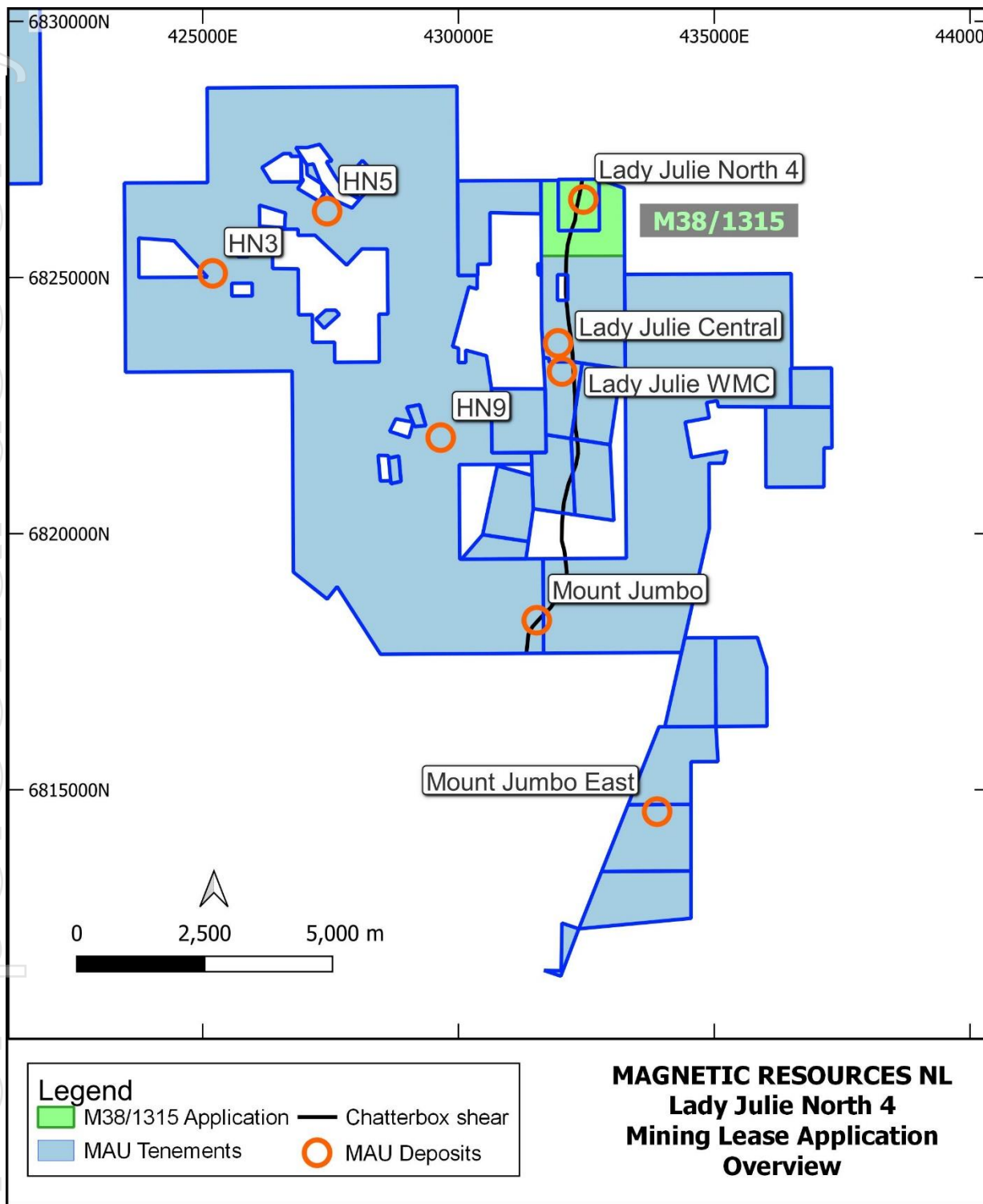


Figure 2. Mining Lease Application (M38/1315) overview



The Table below summarises the updated Total Mineral Resource at a 0.5g/t Au cutoff (Table 1), with Table 2 providing details of the major resources. Details for the smaller resources which have not changed can be found in the 3 February 2023 ASX release.

**Table 1. Total Mineral Resource at 0.5 g/t Au Cutoff**

Classification	Au Cutoff	Tonnes	Au	Ounces
Indicated	0.50	10,400,000	1.74	584,400
Inferred	0.50	12,200,000	1.65	651,300
<b>Total</b>	<b>0.50</b>	<b>22,700,000</b>	<b>1.69</b>	<b>1,235,800</b>

**Table 2. Resource details by Main Deposits @ 0.5g/t Au cutoff**

Deposit	Classification	Tonnes	Au g/t	Ounces
LJN4	Indicated	6,807,400	1.95	426,200
LJC	Indicated	792,000	1.97	50,200
HN9	Indicated	1,995,000	1.29	82,800
Other resources	Indicated	837,400	0.94	25,230
<b>Total</b>	<b>Indicated</b>	<b>10,431,800</b>	<b>1.74</b>	<b>584,430</b>
LJN4	Inferred	6,329,700	2.10	426,400
LJC	Inferred	541,600	1.26	22,000
HN9	Inferred	1,182,000	1.25	47,600
Other resources	Inferred	4,193,700	1.15	155,160
<b>Total</b>	<b>Inferred</b>	<b>12,247,000</b>	<b>1.65</b>	<b>651,360</b>
LJN4	Total	13,137,100	2.02	852,600
LJC	Total	1,333,600	1.68	72,200
HN9	Total	3,177,000	1.28	130,400
Other resources	Total	5,031,100	1.12	180,390
<b>Total</b>	<b>Total</b>	<b>22,678,800</b>	<b>1.69</b>	<b>1,235,790</b>

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Managing Director George Sakalidis commented:

*“This is a major milestone for the Company. The Mining Lease application is the first stage in the mining approvals process.*

*Concurrently, we are still drilling at depth below the existing 825,000oz resource beneath the Lady Julie North 4 Resource. Further drilling at depth is anticipated to result in further growth of the LJN4 resource and additional structural studies are being completed on the recent core holes to help understand the setting of the breccia and silica-pyrite zones.*

*There are currently 2 diamond rigs and an RC rig on site trying to expand the resources both within and to the south along the Chatterbox shear along identified new target areas.”*

#### **COMPETENT PERSON STATEMENT**

The information in this report that relates to the Laverton and Homeward Bound Mineral Resource Estimates is based on and fairly represents, information which has been prepared by Mr Mat Edwards BSc (Hons), MAIG employed by Blue Cap Mining who is a consultant to the Company. Mat Edwards has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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’. Mat Edwards consents to the inclusion of this information in the form and context in which it appears in this report.

The information in this report that relates to Exploration Results is based on information compiled by George Sakalidis BSc (Hons), who is a member of the Australasian Institute of Mining and Metallurgy. George Sakalidis is a Director of Magnetic Resources NL. George Sakalidis has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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’. George Sakalidis consents to the inclusion of this information in the form and context in which it appears in this report.

This announcement has been authorised for release by Managing Director George Sakalidis.

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The information in this report is based on information compiled by George Sakalidis BSc (Hons), who is a member of the Australasian Institute of Mining and Metallurgy. George Sakalidis is a Director of Magnetic Resources NL. George Sakalidis has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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’. George Sakalidis consents to the inclusion of this information in the form and context in which it appears in this report.

The Information in this report that relates to:

1. Promising 200m wide 0.7g/t soil geochemistry associated with extensive 1km long NS porphyries at newly named Hawks Nest 9. MAU ASX Release 15 October 2018
2. 1.1km NNW Mineralised Gold Intersections at HN9. MAU ASX Release 7 November 2018
3. Surface drilled Mineralisation extends to significant 1.5km at HN9. MAU Release 20 November 2018



4. Hawks Nest Delivers with 8m@4.2g/t Gold from 4m MAU Release 29 January 2018
5. Robust Near Surface High-grade Zone of 7m @ 4.5g/t Gold from 5m from 1m splits. MAU Release 5 March 2018
6. Hawks Nest Geochemical Survey Outlines Potential Extensions to the Prospective 7m @ 4.5g/t Gold Intersected. MAU Release 20 March 2018
7. An 865m RC drilling programme started testing promising 7m at 4.5g/t gold and eight separate anomalous soil geochemical targets at HN5. MAU Release 10 May 2018
8. Large Gold Mineralised Shear Zone Greater Than 250m at Hawks Nest 5. MAU Release 9 June 2018
9. Gold Geochemical Target Zone Grows to Significant 2km in Length at HN9. MAU Release 7 January 2019
10. Significant 2km Gold Target is open to the East on 83% of the 24 Lines Drilled at HN9. MAU Release 4 February 2019
11. Significant 2.1km Gold Target Still open to North, South, East and at Depth. MAU Release 25 March 2019
12. Gold Target Enlarged By 47% to Significant 3.1km and is still open to the North, East and at Depth. MAU Release 22 May 2019
13. HN9 Prospective Zone Enlarged by 170% with Lady Julie Tenements. MAU Release 24 June 2019
14. 200m-Wide Gold Zone Open to The Northeast and Very Extensive Surface Gold Mineralisation Confirmed at HN9 Laverton. MAU Release 27 June 2019
15. 200m Wide Gold Zone Open to the North and New 800m Anomalous Gold Zone defined at HN9 Laverton. MAU Release 4 September 2019
16. Highest Grades Outlined at HN9 and are being Followed Up and Lady Julie Shallow Drilling Commencing Shortly. MAU Release 14 October 2019
17. Central Part of HN9 Shows Significant Thickening of The Mineralised Zone to 28m. MAU Release 28 November 2019
18. Multiple Silicified Porphyry Horizons from Deep Drilling and 57m Mineralised Feeder Zone at MAU Release 17 January 2020
19. Very High-Grade Intersection of 4m at 49g/t Adjacent to 70m Thick Mineralised Feeder Zone MAU Release 5 February 2020
20. 20 km of thickened porphyry units outlined by ground magnetic interpretation at Hawks Nest 9. MAU Release 9 March 2020
21. Further Thick Down Plunge Extensions and NW Extension Shown up at HN9. MAU Release 18 May 2020
22. Four Stacked Thickened Porphyry Lodes at HN9. MAU Release 3 August 2020
23. High-Grade Intersections in Thickened Zone at HN9. MAU Release 18 September 2020
24. Follow up of 16m at 1.16g/t gold from 64m at Lady Julie MAU Release 2 November 2020
25. Shallow Seismic searching for multiple thickened lodes MAU Release 16 November 2020
26. New thicken zone in southern part of Hawks Nest 9. MAU Release 1 December 2020
27. Two RC rigs now operating at HN9 and Lady Julie. MAU Release 11 January 2021.
28. Nine gold targets defined over 14km at HN5, HN6, HN9 and Lady Julie. MAU Release 3 June 2021
29. Lady Julie delivers with 38m at 3.6g/t gold from 32m. MAU Release 23 June 2021
30. Lady Julie North expanded with purchase of tenements. MAU Release 8 June 2021
31. Multiple thick and high-grade zones located at Lady Julie. MAU Release 16 August 2021
32. Multiple thick high-grade intersections from surface at Lady Julie. MAU Release 14 September 2021
33. Thick high-grade intersections are open to the southeast at Lady Julie. MAU Release 22 October 2021
34. High-grade intersections and vertical shoots at Lady Julie. MAU Release 10 January 2022
35. Thicker intersections continue to grow Lady Julie 1 and 4 and Homeward Bound. MAU Release 21 February 2022
36. Ten high priority targets & thick intersections – Lady Julie. MAU Release 12 April 2022
37. Second parallel mineralised structure at Lady Julie Central. MAU Release 11 May 2022
38. Lady Julie North 4 delivers with thick intersections that are open at depth. MAU Release 30 May 2022
39. Maiden Mineral Resource Estimate. MAU Release 27 June 2022
40. Thick 56m at 2.2g/t gold at Lady Julie North 4. MAU Release 20 July 2022
41. Drilling commences at Lady Julie North 4. MAU Release 15 August 2022
42. Blue Cap Mining to undertake early works. MAU Release 14 September 2022
43. Mineralisation expands both to north and east at Lady Julie North 4. MAU Release 27 September 2022
44. Early Works progress at Laverton Project. MAU Release 24 October 2022.
45. High grade thick intersections at Lady Julie projects. MAU Release 17 November 2022.
46. Thickest Intersections to Date at Lady Julie North 4. MAU Release 21 December 2022.
47. Positive metallurgical results from Lady Julie. MAU Release 25 January 2023
48. Expands mineral resource estimate. MAU Release 3 February 2023
49. Early works good progress at Laverton project. MAU Release 15 February 2023
50. Thick intersections remain open at depth at Lady Julie North 4. MAU Release 20 February 2023
51. Thickest intersection of 96m at 1.23g/t Au at Lady Julie North 4. MAU Release 11 April 2023
52. Further thick intersections and deeper drilling completed at Lady Julie North 4. MAU Release 14 June 2023
53. Best thick intersections to date of 60m at 3.6g/t from 96m at Lady Julie North 4. MAU Release 23 June 2023
54. High-grade of 30m at 5.53g/t within 52m thick breccia zone. MAU Release 14 July 2023
55. Intersection of 31m at 3.5g/t from 160m extends Lady Julie. MAU Release 31 July 2023
56. 112m at 1.8g/t gold from 172m extends Lady Julie North 4. MAU ASX Release 7 August 2023
57. 40m at 7.2g/t Au from 192m extends Lady Julie North 4. MAU ASX Release 22 August 2023
58. 50m thick gold rich breccia and silica pyrite zones at LNJ4. MAU ASX Release 8 September 2023
59. Thick intersections extend mineralised zones at Lady Julie North 4. MAU ASX Release 26 September 2023
60. Best thick intersections to date 126m at 2.8g/t at LNJ4. MAU ASX Release 19 October 2023
61. Large Grade-Thickness zone highlighted at LNJ4. MAU ASX Release 2 November 2023
62. Significant 107% increase of Resource at Laverton Project. MAU ASX Release 23 November 2023.

All of which are available on [www.magres.com.au](http://www.magres.com.au)

This announcement contains forward-looking statements which 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.