

## CSIRO Grant Awarded and Collaboration with Legacy Minerals to Commence on Mt Carrington

### \$196k collaboration advancing mineralogical study to support project advancement

Legacy Minerals Holdings Limited (ASX: LGM, “LGM”, “the Company” or “Legacy Minerals”) is pleased to announce a research collaboration with the CSIRO, Australia’s national science agency, and the award of funding under the CSIRO Kick-Start Program on the Company’s Mt Carrington Project in NSW (EL6273, EL9616, EL9727, ALA75).

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### Highlights

- Legacy Minerals and the CSIRO have entered into an agreement for a collaborative research project at the Mt Carrington Project, including a Kick-Start voucher to support the works.
- CSIRO will apply SEM-TIMA, LIBS<sup>1,i</sup> and structural logging, integrated with existing datasets, to improve understanding of alteration and structural controls on mineralisation and advance mineralogical study to support project advancement.
- The work is designed to support more efficient targeting, vectoring and extensional drilling at Mt Carrington, while also providing early-stage metallurgical insight.
- Mt Carrington is Legacy’s flagship asset and hosts an existing 115Moz AgEq Mineral Resource<sup>ii</sup>, highlighting the scale and strategic importance of the project.

### About the CSIRO

- The Commonwealth Scientific and Industrial Research Organisation (CSIRO) is an Australian Government statutory authority responsible for scientific research and its commercial and industrial applications.
- It is Australia’s national science agency, conducting research to solve major challenges and drive innovation across industry, environment, and society.

### About Mt Carrington

- The Mt Carrington Project consists of several low-sulphidation epithermal gold, silver, and base metal prospects hosted within a collapsed caldera structure. The mineral field has been subject to historic prospecting and mining activities dating back to the mid 1800’s.

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### Management Comment Legacy Minerals CEO & Managing Director, Christopher Byrne said:

*“Legacy Minerals has a clear strategic focus on Mt Carrington, and this collaboration with CSIRO is a disciplined step toward improving our technical understanding of the system ahead of further development work and drilling.*

*Mt Carrington already hosts a substantial 115Moz AgEq Mineral Resource<sup>ii</sup>, and we see real value in applying advanced mineralogical and structural analysis to better understand how mineralisation is controlled across the broader system.*

*The collaboration is designed to give us a more detailed view of how alteration and structure interact across the key deposits and prospects within the Mt Carrington field, which we expect will improve targeting confidence and help refine extensional drilling priorities.*

*Working with CSIRO gives Legacy access to advanced mineralogical techniques that are not typically available to junior explorers at this scale. By combining SEM-TIMA, LIBS and structural logging with our existing geological and geochemical datasets, we believe the Company can materially improve its interpretation of the Mt Carrington system in a way that supports efficient capital allocation and long-term shareholder value creation.”*

### **CSIRO Collaboration Summary**

LGM’s current assessment of the Mt Carrington mineralised system relies on existing geochemistry, geological datasets and the Company’s logging and review of historic drill core. While those methods are valuable, they have limitations in resolving mineral associations, alteration signatures and structural relationships. The CSIRO study is intended to address those gaps and strengthen the Company’s targeting framework ahead of the next drilling phase.

Under the program, CSIRO will analyse drill core and chip samples, including samples to be assessed using a combined (scanning electron microscope - Tescan Integrated Mineral Analyser) SEM-TIMA and (laser-induced breakdown spectroscopy) LIBS workflow. The study will also include structural logging of oriented drill core and accessible outcrop, integration with p-XRF (portable X-ray fluorescence) and existing geochemical datasets, up to 4 MAIA mapper (high-definition X-ray fluorescence microscopy) scans of high-grade ore samples, and the development of 2D and pseudo-3D alteration and structural models.

The work will focus on the Strauss, Kylo North, Guy Bell, White Rock North, and Gladstone deposits and prospects and is intended to identify mineral assemblages, alteration gradients, and structural relationships that may assist in defining vectors toward gold, silver, and base-metal mineralisation. Importantly, the study is directed toward improving geochemical and mineralogical alteration interpretation, reducing geological uncertainty and narrowing the exploration search space.

A key feature of the project is the combination of SEM-TIMA analytical precision with the speed and scalability of LIBS, allowing quantitative mineral distribution to be mapped at a resolution and pace more relevant to exploration programs. In the CSIRO Proposal, this combined approach is positioned as a means of better capturing mineralogical variability and supporting scalable targeting workflows in epithermal systems.

In addition to its broader district-scale exploration upside, the Project already hosts an existing 115Moz AgEq Mineral Resource<sup>ii</sup>, and the Company sees significant value in applying advanced technical work to better understand the controls on mineralisation across the system. The scale of the existing resource base provides an important foundation for this work and reinforces the importance of improving targeting confidence as Legacy advances the Project. The study is expected to provide early-stage insight into mineral deportment and grain-scale mineral relationships that may be relevant to future metallurgical studies at Mt Carrington.

### **CSIRO Kick-Start Program Summary**

The CSIRO Kick-Start Program is designed to help Australian start-ups and SMEs access matched funding and research capability to undertake R&D projects with CSIRO. For Legacy Minerals, the program provides an additional \$50,000 to support a larger, more robust technical study than would otherwise be available to the Company on a standalone basis.

## For more information:

### Investors:

**Chris Byrne**

CEO & Managing Director

[chris.byrne@legacyminerals.com.au](mailto:chris.byrne@legacyminerals.com.au)

+61 (0) 499 527 547

### Media:

**Nicholas Read**

Read Corporate

[nicholas@readcorporate.com.au](mailto:nicholas@readcorporate.com.au)

+61 (0) 419 929 046

## DISCLAIMER AND PREVIOUSLY REPORTED INFORMATION

Information in this announcement is extracted from reports lodged as market announcements referred to above and available on the Company's website <https://legacyminerals.com.au/>. The Company confirms that it is not aware of any new information that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

This announcement contains certain forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside of the control of Legacy Minerals Holdings Limited (LGM). These risks, uncertainties and assumptions include commodity prices, currency fluctuations, economic and financial market conditions, environmental risks and legislative, fiscal or regulatory developments, political risks, project delay, approvals and cost estimates. Actual values, results or events may be materially different to those contained in this announcement. Given these uncertainties, readers are cautioned not to place reliance on forward-looking statements. Any forward-looking statements in this announcement reflect the views of LGM only at the date of this announcement. Subject to any continuing obligations under applicable laws and ASX Listing Rules, LGM does not undertake any obligation to update or revise any information or any of the forward-looking statements in this announcement to reflect changes in events, conditions or circumstances on which any forward-looking statements is based.

## COMPETENT PERSON'S STATEMENT

The information in this Report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Thomas Wall, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Wall is the Technical Director and a full-time employee of Legacy Minerals Pty Limited, the Company's wholly-owned subsidiary, and a shareholder of the Company. Mr Wall 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 Wall consents to the inclusion of the matters based on this information in the form and context in which it appears in this announcement.

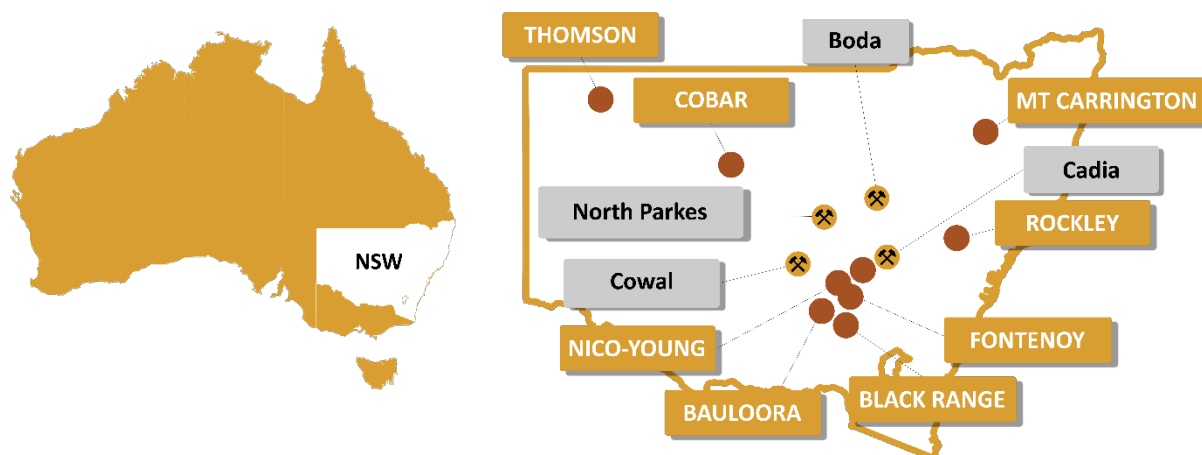
## About Legacy Minerals

Legacy Minerals is an ASX-listed public company that has been exploring gold, silver, copper, and base-metal projects in NSW since 2017. The Company’s projects present significant discovery opportunities for shareholders, with a focus on discovery drilling and the development of the Mt Carrington Project.

### Cu-Au Mt Carrington

Large caldera (~150km<sup>2</sup>) with similar geological characteristics to other major Pacific Rim low-sulphidation deposits. The current Mineral Resource of 115Moz AgEq<sup>1</sup>

<p><b>Ni-Co Nico Young <a href="#">Cobalt Blue MoU</a></b></p> <p>One of the largest nickel deposits in Australia with significant counter-cyclical exposure.</p>	<p><b>Cu-Au Thomson <a href="#">Rio Tinto JV Option</a></b></p> <p>A new and unexplored Intrusion-related gold and copper search space with numerous ‘bullseye’ targets.</p>
<p><b>Cu-Au Rockley</b></p> <p>Prospective for porphyry Cu-Au, situated in the Macquarie Arc Ordovician host rocks with historical high-grade copper mines.</p>	<p><b>Au-Cu (Pb-Zn) Cobar</b></p> <p>Undrilled targets next door to the Peak Gold Mines and along strike of the CSA copper mine.</p>
<p><b>Au-Ag Black Range</b></p> <p>Extensive low-sulphidation, epithermal system with limited historical exploration. Epithermal occurrences across 30km of strike.</p>	<p><b>Au Harden <a href="#">Hill Tops JV</a></b></p> <p>Substantial historical gold production from two high-grade and underexplored, orogenic systems.</p>
<p><b>Au-Ag Bauloora</b></p> <p>One of NSW’s largest low-sulphidation, epithermal systems with a 15km<sup>2</sup> epithermal vein field.</p>	<p><b>Au-Cu Fontenoy <a href="#">Earth AI JV</a></b></p> <p>A highly prospective and underexplored area for PGE, Ni, Au and Cu mineralisation with significant drill intercepts.</p>



**Figure 1.** Location summary of Legacy Minerals’ Projects in NSW, Australia, and major mines and deposits.

## Appendix A: Mt Carrington AgEq Mineral Resource (See ASX LGM Release dated 13 March 2025 for additional information) <sup>iii</sup>

Prospect	Classification	Resource Tonnes and Grade							Contained Metal					
		Tonnes (Kt)	Au (g/t)	Ag (g/t)	Cu%	Pb%	Zn%	AgEq (g/t)	Au (Koz)	Ag (Koz)	Cu (kt)	Pb (kt)	Zn (kt)	AgEq (Koz)
Strauss	Indicated	2,818	1.1	3.1	0.09	0.07	0.6	149	98	281	3	2	16	13,500
	Inferred	2,026	1	2	0.08	0.04	0.4	130	63	129	2	1	9	8,468
Kylo	Indicated	2,842	1.1	2.1	0.07	0.05	0.4	138	103	191	2	1	11	12,609
	Inferred	2,081	0.6	3.8	0.11	0.06	0.6	101	40	251	2	1	13	6,757
Guy Bell	Inferred	2,512	0.7	2.3	0.16	0.08	0.6	117	58	188	4	2	15	9,449
Carrington	Inferred	2,236	0.5	5.6	0.14	0.08	0.2	83	33	403	3	2	4	5,967
Red Rock	Inferred	8,605	0.5	7.4	0.04	0.12	0.49	84	144	2046	3	10	43	23,239
Lady Hampden	Indicated	2,136	0.71	62	0.01	0.03	0.07	124	49	4251	0	1	2	8,516
	Inferred	2,125	0.74	35	0.01	0.04	0.08	100	51	2388	0	1	2	6,832
Silver King	Indicated	469	0.12	80	0.01	0.03	0.07	93	2	1200	0	0	0	1,402
	Inferred	106	0.05	53	0.01	0.02	0.05	60	0	180	0	0	0	204
Lead Block	Inferred	215	0.21	44	0.01	0.03	0.08	66	2	307	0	0	0	456
White Rock	Indicated	3,135	0.05	66	0.02	0.22	0.73	104	5	6629	1	7	23	10,482
	Inferred	1,051	0.08	37	0.02	0.16	0.62	72	3	1258	0	2	7	2,433
White Rock North	Inferred	2,039	0.05	70	0.01	0.14	0.11	83	4	4592	0	3	2	5,441
Total		34,396						104.7	653	24,294	20	33	146	115,756

The preceding statements of Mineral Resources conform to the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) 2012 Edition. All tonnages reported are dry metric tonnes. Minor differences may occur due to rounding to appropriate significant figures. For White Rock & White Rock North. AgEq calculated using the formula:  $AgEq = Ag + 84.0712 \times Au + 93.2167 \times Cu + 36.0156 \times Zn + 27.0117 \times Pb$  and Recoveries applied are 72% (Au), 71.7% (Ag), 66% (Cu), 85% (Zn) and 85% (Pb). For Kylo, Strauss, & Red Rock AgEq calculated using the formula:  $AgEq = Ag + 101.417 \times Au + 125.477 \times Cu + 35.4288 \times Zn + 28.2332 \times Pb$  and Recoveries applied are 83.1% (Au), 68.6% (Ag), 85% (Cu), 80% (Zn) and 85% (Pb). For Lady Hampden, Silver King, and Lead Block, AgEq calculated using the formula:  $AgEq = Ag + 82.4186 \times Au + 63.0108 \times Cu + 27.0046 \times Zn + 21.5193 \times Pb$  and Recoveries applied are 88.6% (Au), 90% (Ag), 56% (Cu), 80% (Zn) and 85% (Pb). AgEq formula calculated using silver price of \$43/oz, gold price of \$3600/oz, copper price of \$14000/t, zinc price of \$4200/t and the lead price of \$3150/t (all AUD). In the opinion of the Company, all elements included in the metal equivalent calculation have a reasonable potential to be sold and recovered based on current market conditions and metallurgical test work up to 2017.

## Endnotes

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<sup>i</sup> SEM-TIMA (Scanning Electron Microscopy- TESCAN Integrated Mineral Analyzer), LIBS (Laser-Induced Breakdown Spectroscopy)

<sup>ii</sup> LGM ASX Release, 12 December 2025, *New Silver Targets and Drill Approvals at Mt Carrington*

<sup>iii</sup> ASX Release LGM, 13 March 2025, *New Drake Resource of 0.8Moz Gold-Eq and 35Moz Silver-Eq*