

GEOCHEMISTRY IDENTIFIES FRACTIONATED PEGMATITES FROM MAVIS LAKE NORTHERN CORRIDOR FIELD PROGRAM

Field-mapping geochemistry confirms fractionated pegmatites, differentiates target fertility, and prioritises follow-up drill targets across the Mavis Lake northern corridor.

- Whole-rock geochemistry returns K/Rb ratios as **low as 17.4, with up to 5,510 ppm Rb, 221 ppm Cs and 53 ppm Ta**, confirming highly fractionated LCT pegmatites within the Northern Prospects.
- The strongest fractionation signatures occur within the northern claim package acquired in August 2025, confirming a highly prospective exploration corridor.
- Systematic geological mapping and whole-rock geochemistry differentiated pegmatite fertility across the 2026 field program, identifying granitic-hosted pegmatites as the highest-priority follow-up targets.
- Results refine drill targeting across the Northern Prospects and support Critical Resources' district-scale exploration strategy, which includes the Gullwing, Tot, Little Wing, Coates, Drope and Corona target areas underpinning the Company's exploration growth opportunities.
- Geological, structural, lithogeochemical and geophysical datasets will now be integrated to prioritise the next phase of exploration aimed at **expanding lithium resources beyond the existing 8.0 Mt @ 1.07% Li₂O Mineral Resource**.

Critical Resources Limited ('Critical Resources' or the 'Company', ASX:CRR) is pleased to announce the results of whole-rock lithogeochemical analyses from its recently completed field exploration program at the Company's 100%-owned Mavis Lake Lithium Project in Ontario, Canada (refer ASX announcements dated 12 May 2026 and 10 June 2026).

The program was designed to systematically evaluate pegmatite fertility and magmatic fractionation across the Corona Pegmatite Field and adjacent Northern Prospects Area, providing the geological and geochemical data required to refine exploration priorities and identify the next generation of drill targets. Importantly, the program also evaluated the northern claim package acquired by the Company in August 2025, advancing Critical Resources' district-scale exploration strategy at Mavis Lake.

Over the 10-day program, the exploration team completed systematic prospecting, geological mapping, structural measurements and representative rock sampling across the northern corridor, located approximately 4 km north of the Company's existing 8.0 Mt @ 1.07% Li₂O Mineral Resource.

A total of 106 representative rock samples were collected across the surveyed area, including from 14 pegmatite bodies, six of them newly identified, together with 74 structural measurements and geological mapping of 161 outcrops, substantially improving the geological understanding of this underexplored portion of the project.

Whole-rock lithogeochemical analyses have differentiated highly evolved LCT pegmatites from less fractionated pegmatites across the study area, clearly identifying the highest-priority targets for follow-up exploration. The most highly fractionated pegmatites occur within the Northern Prospects Area, where granitic-hosted pegmatites returned K/Rb ratios as low as 17.4, together with enrichment in key lithium pathfinder elements including rubidium (up to 5,510 ppm), caesium (up to 221 ppm), tantalum (up to 53 ppm) and beryllium. These geochemical characteristics are consistent with highly evolved lithium-caesium-tantalum (LCT) pegmatite systems and identify the Northern Prospects as the highest-priority exploration area generated from the program.

In contrast, pegmatites sampled within the Corona Pegmatite Field exhibit only slight to moderate degrees of magmatic fractionation. While Corona remains prospective, the results demonstrate that the most fertile pegmatites identified during the program are concentrated within the northern claim package acquired in August 2025, establishing a clear focus for follow-up exploration.

The geochemical results will now be integrated with the Company's geological, structural, geophysical and historical exploration datasets to prioritise follow-up prospecting, refine high-confidence drill targets and advance the next phase of exploration across the Northern Prospects. Collectively, these results further support Critical Resources' strategy of systematically advancing regional pegmatite targets beyond the current Mineral Resource and progressing Mavis Lake toward a multi-deposit lithium district.



Figure 1 – Massive pegmatite boulder in the Corona Project Area.

FIELD MAPPING PROGRAM RESULTS

Critical Resources' 2026 Mavis Lake field program was undertaken to systematically evaluate the fertility and lithium potential of pegmatites across the Corona Pegmatite Field and adjacent Northern Prospects Area, with the objective of refining exploration priorities and identifying the next generation of drill targets. The program also provided the first systematic evaluation of the northern claim package acquired by the Company in August 2025, testing the exploration rationale underpinning that strategic acquisition.

Over the 10-day program, the exploration team completed systematic prospecting, geological mapping, structural measurements and representative rock sampling across this underexplored portion of the Mavis Lake Lithium Project, located approximately 4 km north of the Company's existing 8.0 Mt @ 1.07% Li₂O Mineral Resource. In total, 106 representative rock samples were collected across the surveyed area, including from 14 pegmatite bodies, six of them newly identified, together with 74 structural measurements and geological mapping of 161 outcrops.

Whole-rock lithogeochemical analyses were completed using sodium peroxide fusion followed by ICP-OES and ICP-MS to evaluate pegmatite fertility and magmatic fractionation through major and trace element geochemistry, including potassium-to-rubidium (K/Rb) ratios and key lithium pathfinder elements. The results have successfully differentiated pegmatite fertility across the northern corridor and identified the highest-priority areas for follow-up exploration and drill targeting.

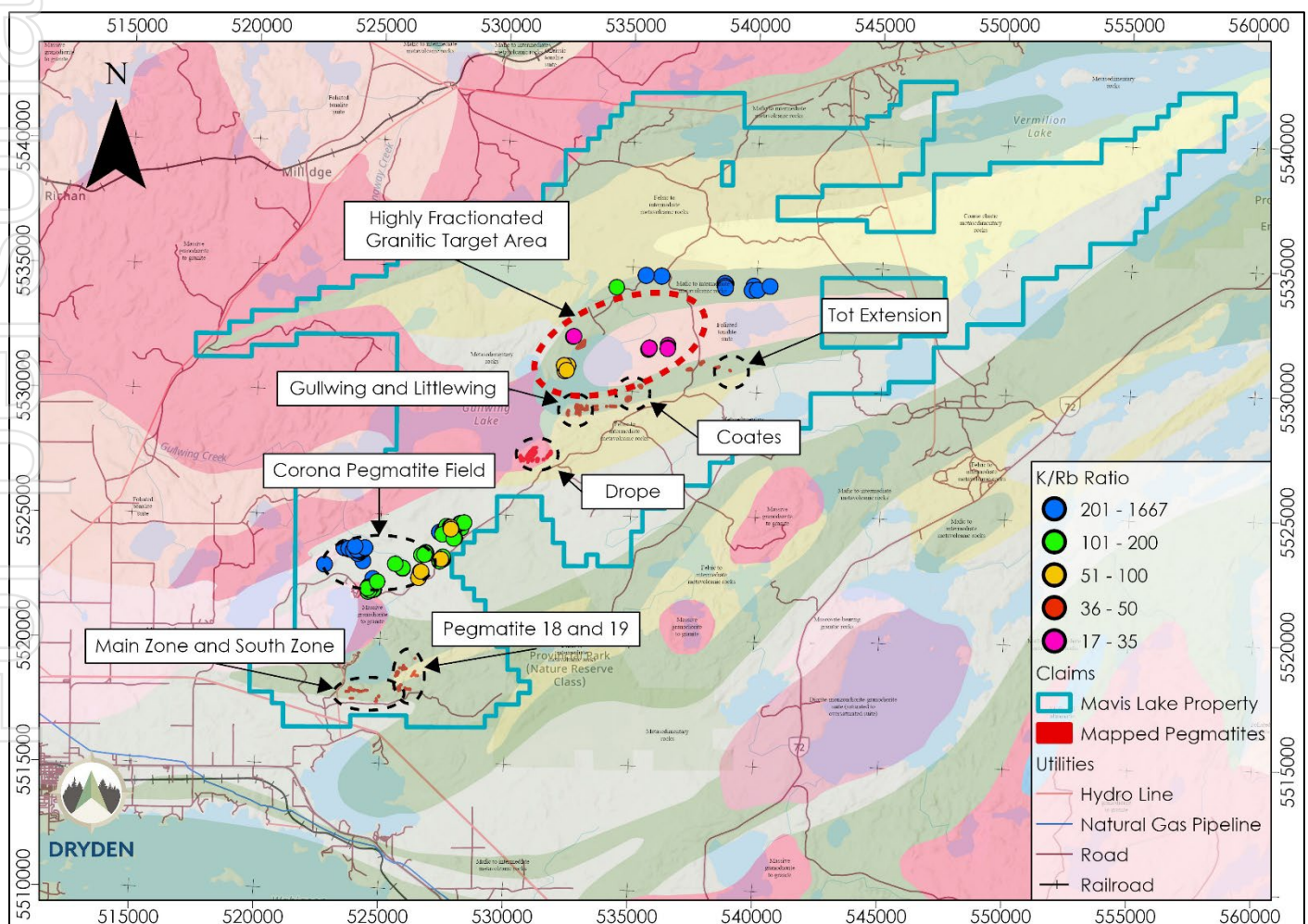


Figure 2 - Mavis Lake Property Map with regional targets including whole-rock geochemical results from the 2026 field program.

WHOLE-ROCK GEOCHEMISTRY RESULTS

Whole-rock geochemistry has successfully differentiated the degree of pegmatite fractionation across the northern Mavis Lake corridor and identified a clear exploration focus for future work. The strongest fractionation signatures were returned from pegmatites within the Northern Prospects Area, where multiple samples exhibit very low K/Rb ratios together with significant enrichment in key lithium pathfinder elements including rubidium (Rb), caesium (Cs), tantalum (Ta), and beryllium (Be). These geochemical characteristics are consistent with highly evolved lithium-caesium-tantalum (LCT) pegmatite systems.

The most highly fractionated sample returned a K/Rb ratio of 17.4, accompanied by 5,510 ppm Rb, 221 ppm Cs and 22.9 ppm Ta, while several additional samples returned K/Rb ratios below 40, with rubidium values exceeding 2,000 ppm and tantalum values up to 53 ppm. Collectively, these results indicate that multiple highly evolved pegmatites occur within the Northern Prospects Area.

Whole-rock analyses returned low lithium (Li_2O) values across all samples, consistent with grab sampling of pegmatite margins and non-spodumene-bearing zones rather than spodumene-rich cores. The K/Rb ratios and the elevated rubidium, caesium and tantalum reported here are indicators of magmatic fractionation and pegmatite fertility used to vector exploration, and are not a measure of lithium grade. Confirmation of lithium mineralisation will require follow-up work, including drilling.

Sample Number	Rock Type	Easting	Northing	Li ₂ O_FUS-Na ₂ O ₂ _%	Be_FUS-MS-Na ₂ O ₂ _ppm	Cs_FUS-MS-Na ₂ O ₂ _ppm	Rb_FUS-MS-Na ₂ O ₂ _ppm	Ta_FUS-MS-Na ₂ O ₂ _ppm	K/Rb
1263598	Pegmatite	535676	5531744	-0.003	-3	221	5510	22.9	17.4
1263597	Pegmatite	535686	5531769	0.008	7	57.7	1630	29.5	22.1
1266505	Pegmatite	536418	5531722	0.004	6	50.3	1460	53	27.4
1266504	Pegmatite	536431	5531767	-0.003	4	31.2	1470	14.9	32.7
1266503	Pegmatite	536433	5531874	-0.003	-3	49.6	2100	9.4	32.9
1263547	Pegmatite	532653	5532188	0.012	5	12.6	146	8.7	34.2
1263586	Pegmatite	532626	5532178	0.021	3	33.9	662	7.7	36.3
1263601	Pegmatite	535651	5531700	-0.003	7	13.8	789	19.6	38
1263600	Pegmatite	535647	5531686	-0.003	-3	30	2040	1.6	40.2
1263599	Pegmatite	535647	5531686	-0.003	-3	34.8	2310	2.8	41.1

Table 1 - Grab sample results with K/Rb ratio below 50 in NAD83 UTM Zone 15N (Appendix C – Table 3)

Geological mapping during the program indicates that the most highly fractionated pegmatites are spatially associated with granitic host rocks, suggesting these units may represent favourable environments for the emplacement and evolution of fertile pegmatitic melts. While additional exploration is required to confirm this relationship, the results provide a compelling geological vector for future exploration.

In comparison, pegmatites sampled within the Corona Pegmatite Field generally exhibit higher K/Rb ratios and comparatively lower enrichment in incompatible elements, indicating slight to moderate degrees of magmatic fractionation. Although these pegmatites remain prospective, the geochemical dataset clearly differentiates the two exploration areas and identifies the Northern Prospects as the highest-priority target generated during the program.

The integration of whole-rock geochemistry with geological mapping, structural observations and historical exploration datasets has significantly refined exploration priorities across the northern Mavis Lake corridor. These results provide Critical Resources with a robust technical framework for the next phase of exploration, with follow-up work focused on detailed geological mapping, surface geochemistry and targeted drill testing of the highly fractionated granitic-hosted pegmatites identified within the Northern Prospects Area.

RESULTS VALIDATE RECENTLY ACQUIRED NORTHERN CLAIMS

Whole-rock geochemical results have validated the Company's strategic acquisition of the northern claim package completed in August 2025 (refer ASX announcement "Strategic Acquisition of Adjacent Lithium and Gold Claims Expands Mavis Lake Project Area", August 2025). Historical LIBS analyses from the acquired claims identified several highly fractionated pegmatites characterised by low K/Rb ratios, highlighting the area's potential to host fertile LCT pegmatite systems.

The 2026 field program successfully relocated and sampled many of these prospective pegmatites while identifying additional pegmatite occurrences across the broader corridor. Whole-rock geochemical analyses confirmed the presence of highly evolved pegmatites enriched in key LCT pathfinder elements, including rubidium, caesium and tantalum, with several samples returning exceptionally low K/Rb ratios comparable to, or better than, those identified during the original acquisition assessment.

Importantly, the strongest geochemical signatures occur within the granitic rocks of the northern acquired claim package, indicating that this intrusive unit represents the most prospective area identified to date for follow-up exploration. These results provide independent validation of the Company's acquisition strategy and significantly enhance confidence in the lithium prospectivity of the expanded Mavis Lake Project.

INTEGRATION WITH 2026 NORTHERN PROSPECTS EXPLORATION STRATEGY

The results of the 2026 Mavis Lake field program represent an important advancement in Critical Resources' district-scale exploration strategy aimed at identifying additional lithium-bearing pegmatites beyond the Company's existing 8.0 Mt @ 1.07% Li₂O Mineral Resource.

By integrating systematic geological mapping with whole-rock lithogeochemistry, the Company has successfully differentiated pegmatite fertility across the northern Mavis Lake corridor and refined exploration priorities for the next phase of work.

The field program demonstrates that the Northern Prospects Area hosts the most highly fractionated pegmatites identified during the program, with several granitic-hosted pegmatites exhibiting geochemical signatures consistent with evolved lithium-caesium-tantalum (LCT) systems. These results significantly enhance the prospectivity of the Northern Prospects and provide a clear geological framework for prioritising follow-up exploration.

Importantly, the geochemical dataset complements Critical Resources' broader exploration strategy across the Northern Prospects, which includes the advanced Gullwing, Tot, Coates, Little Wing, Drope, and Corona target areas. Together, these regional targets underpin the Company's long-term objective of expanding lithium resources and advancing Mavis Lake as a multi-deposit lithium district.

The results from this program will be integrated with the Company's existing geological, structural, geophysical and drilling datasets to prioritise future exploration activities. Planned follow-up work will focus on detailed geological mapping, targeted surface geochemistry, mechanised stripping where appropriate, and scout diamond drilling to evaluate the highly fractionated pegmatites identified within the Northern Prospects.

The Gullwing Pegmatite remains one of the most advanced exploration targets within the Northern Prospects, supported by:

- An Exploration Target of **7–10Mt at 0.3–1.2% Li₂O (Appendix B)**.
- Surface expression of a large, continuous pegmatite body with widths up to ~80 metres and ~500 metres of strike.
- Strong spodumene mineralisation observed at surface and confirmed through historical work.
- A robust integrated dataset including geochemistry, LIBS fractionation, and high-resolution UAV magnetics defining key structural controls.

Cautionary statement - *The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource, and it is uncertain if further exploration will result in the estimation of a Mineral Resource. Please refer to the Exploration Target Cautionary Statement for further information as announced ASX:CRR announcement 22 May 2024 (Appendix B).*

MAVIS LAKE PROJECT

The Mavis Lake Lithium Project is a flagship asset for Critical Resources Limited, situated approximately 19 kilometres east-northeast of Dryden in north-western Ontario, Canada. The project is strategically located to supply both local and regional infrastructure with high-quality lithium and aggregate products. Mavis Lake is renowned for its significant lithium resource, with a **current Inferred Mineral Resource of 8.0 Mt at 1.07% Li₂O, and substantial resource upside (Appendix A)**. Mavis Lake benefits from proximity to established transport corridors, skilled workforce, and supportive local communities, positioning it as a key contributor to the battery metals supply chain and sustainable construction initiatives in the region.

Test-work focused on developing more sustainable mining operations has demonstrated the potential to transform what was previously considered a by-product into a commercially viable aggregate for concrete and road-building. This approach aligns with CRR's commitment to sustainability, circular economy principles, and responsible resource development.

REGIONAL TARGETS – MULTI-DEPOSIT LITHIUM DISTRICT OPPORTUNITIES

Since acquiring the Mavis Lake Lithium Project in 2022, Critical Resources has executed a series of high-impact work programs that have transformed the Project into one of Ontario's most advanced and well-positioned lithium development opportunities. Over the past three years, the Company has delivered substantial technical and operational milestones that provide a strong foundation for long-term growth.

In May 2024, the Company announced a JORC-compliant **Exploration Target of 18–29Mt @ 0.8–1.2% Li₂O (Appendix B)** (refer ASX:CRR announcement 22 May 2024). The broader Mavis Lake Project hosts a pipeline of **LCT-type pegmatite targets yet to be drill tested**, offering significant potential resource upside (**Figure 2**). This includes the recent expansion of the Mavis Lake landholding across key structural trends to over 400 km² (ASX:CRR announcement 3 November 2025).

The Northern Prospects are ideally located near all-weather access routes. These targets collectively reinforce the multi-deposit development potential across the project and CRR's ability to diversify future operating centres. Key targets include:

- **Gullwing:** advanced target, characterised by widths up to ~80m, a ~500m exposed strike, strong spodumene mineralisation observed at surface, and an Exploration Target of 7–10Mt @ 0.3–1.2% Li₂O (ASX:CRR announcement 22 May 2024).
- **Mavis Lake South Zone:** Open along strike and at depth, with contrasting structural environments offering strong discovery potential.
- **Pegmatites 18 & 19:** Spodumene-bearing systems with minimal legacy drilling.
- **Tot:** Confirmed mineralised system open along southern extensions into newly acquired tenure.
- **Little Wing:** ~200m x 50m footprint with elevated Li and Rb values.
- **Coates & Drope:** LIBS fractionation upgrades prospectivity.
- **Corona Field:** Underexplored 5 km-scale lithium-bearing pegmatite trend offering significant exploration upside.

Critical Resources' Managing Director, Mr Tim Wither, commented *'These results continue to advance our exploration strategy at Mavis Lake. The 2026 field program was designed to systematically evaluate pegmatites identified during our regional exploration program, and the whole-rock geochemistry has successfully identified the most prospective targets for the next phase of exploration.'*

'The highly fractionated pegmatites occur within the Northern Prospects Area on the northern claim package acquired by the Company in August 2025, validating the rationale for that acquisition and demonstrating the value of systematic regional exploration in identifying quality growth opportunities beyond our existing Mineral Resource.'

'These results have significantly refined our exploration focus, highlighting granitic-hosted pegmatites with geochemical characteristics consistent with highly evolved LCT systems. This provides a clear framework for follow-up prospecting and drill targeting as we continue to unlock the broader lithium potential of the northern Mavis Lake corridor. With an existing Mineral Resource of 8.0 Mt at 1.07% Li₂O and an Exploration Target of 18–29 Mt, our objective remains to build Mavis Lake into a multi-deposit lithium district through disciplined, technically driven exploration.'

NEXT STEPS

- Combine assay data with CRR's existing geological, structural, and geophysical datasets to rank and prioritise drill targets across the northern corridor.
- Confirm high-priority drill targets to support the Company's 2026 Northern Prospects exploration campaign and advance Mavis Lake toward a multi-deposit lithium district.

This announcement has been approved for release by the Board of Directors of Critical Resources.

To receive alerts for ASX announcements and updates, sign up at www.criticalresources.com.au or for further information please contact us directly at:

E: info@criticalresources.com.au

P: +61 (8) 9465 1024

ABOUT CRITICAL RESOURCES LIMITED

Critical Resources Limited (ASX:CRR) is an Australian mining and technology company focused on the discovery and development of critical minerals and next-generation technologies essential to a sustainable future. The Company holds a diversified portfolio including the Mavis Lake Lithium Project in Ontario, Canada, the Halls Peak Base Metals Project in New South Wales, and a growing gold portfolio in New Zealand.



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APPENDIX A

Mavis Lake Lithium Project – Mineral Resource Estimate

Mavis Lake Lithium Project JORC Classification	Li ₂ O Cut-Off grade (%)	Tonnage (Mt)	Li ₂ O (%)
Inferred	0.3	8.0	1.07
Total*		8.0	1.07

*Reported at a cut-off grade of 0.30% Li₂O for an open pit mining scenario. Estimation for the model is by inverse distance weighting. Classification is according to the JORC Code Mineral Resource categories. Refer to ASX:CRR announcement 5 May 2023.

COMPETENT PERSON AND PREVIOUSLY REPORTED INFORMATION

The information in this ASX Announcement that relates to Mavis Lake Exploration Results and Exploration Target is based on information compiled by Mr Troy Gallik (P. Geo), a Competent Person who is a member of the Association of Professional Geoscientists of Ontario. Troy Gallik is a consultant to Critical Resources. Mr Gallik 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 Gallik consents to the inclusion in this Announcement of the matters based on his information in the form and context in which it appears.

This document contains information relating to the Mineral Resource estimate for the Mavis Lake Lithium Project, which is extracted from the Company's ASX announcement dated 5 May 2023 and reported in accordance with the 2012 JORC Code and available for viewing at criticalresources.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply and have not materially changed.

This announcement contains information on the Mavis Lake Project extracted from ASX market announcements dated 25 October 2021, 16 June 2022, 21 July 2022, 13 September 2022, 25 October 2022, 31 October 2022, 20 December 2022, 23 January 2023, 9 February 2023, 27 March 2023, 3 April 2023, 18 May 2023, 16 June 2023, 27 June 2023, 17 July 2023, 24 July 2023, 21 August 2023, 13 September 2023, 19 September 2023, 19 October 2023, 24 October 2023, 2 November 2023, 15 November 2023, 13 February 2024, 18 March 2024, 17 April 2024, 2 May 2024, 22 May 2024, 29 May 2024, 2 July 2024, 8 July 2024, 24 July 2024, 22 August 2024, 28 October 2024, 30 October 2024, 2 December 2024, 27 June 2025, 25 August 2025, 13 November 2025, 27 November 2025, 19 January 2026, 13 April 2026, 12 May 2026 and 10 June 2026 reported in accordance with the 2012 JORC Code and available for viewing at www.criticalresources.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcement.

FORWARD LOOKING STATEMENTS

This announcement may contain certain forward-looking statements and projections. Statements regarding CRR's plans with respect to its mineral properties and programs are forward-looking statements. Such forward-looking statements/projections are estimates for discussion purposes only and should not be relied upon. Forward-looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. There can be no assurance that CRR's plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that CRR will be able to confirm the presence of additional mineral resources, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of CRR's mineral properties. Critical Resources Limited does not make any representations and provides no warranties concerning the accuracy of the projections and disclaims any obligation to update or revise any forward-looking statements/projections based on new information, future events or otherwise, except to the extent required by applicable laws. While the information contained in this report has been prepared in good faith, neither Critical Resources Limited or any of its directors, officers, agents, employees or advisors give any representation or warranty, express or implied, as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this announcement.

APPENDIX B

Exploration Target Cautionary Statement, refer to ASX announcement dated 22 May 2024. Table 2 (below) provides a summary of the Exploration Target including tonnage and grade ranges of each key Prospect ready to be drill tested.

Summary of Project Exploration Target

Prospect	Tonnes Range (Mt)		Li ₂ O Range (%)	
	Minimum	Maximum	Minimum	Maximum
Main Zone Extension Exploration Target	8	14	1	1.2
Gullwing Exploration Target	7	10	0.3	1.2
Tot Exploration Target	3	5	0.8	1.2
Project Exploration Target	18	29	0.8	1.2

The Exploration Target is derived from exploration potential at the Mavis Lake Main Zone (where the current MRE is located) while also introducing the exploration potential of the Northern Prospects, centered on the Gullwing and Tot pegmatites. The Exploration Target is based on interpretation of exploration completed to date (see summary of ASX releases below) and includes:

- 287 diamond drill holes throughout the entirety of the Mavis Lake Project Area, including:
 - 44,179m of drill data generated by Critical Resources;
 - 6,829m of drilling data generated by other parties; and
 - 9,454m of drill core samples.
- 2,032 samples taken at surface, from bedrock throughout the Mavis Lake Project Area;
- 1,346 Mobile Metal Ion (MMI) Soil samples;
- Regional and detailed geological mapping;
- Airborne magnetics, radiometrics, very-low frequency (VLF) surveys;
- Wireframing of inferred resource shapes at the Main Zone; and
- Internal 3D geological modelling and wireframing for projection purposes.

The Exploration Target includes the entirety of the Mavis Lake Project Area, but its primary focus is on known pegmatites that have proven significant lithium mineralisation from spodumene. Geological modelling and wireframing of the pegmatites included in the exploration model derived from inferred resource shapes, outcropping pegmatites including structural measurements and detailed geological interpretations. Tonnage was estimated by calculating the volume of the wireframes and multiplying by a density of 2.7 tonnes/m³. The weighted average grade was calculated from lithium assays from previous drilling and geochemical samples from the outcropping pegmatites at surface. Northern Prospects sample 159082, 157856, 347562 refer to ASX announcement dated 20 December 2022. Tot Pegmatite channel samples refer to ASX announcement dated 22 August 2024.

APPENDIX C

Table 3 - Whole-Rock Geochemical Results

Sample Number	Rock Type	Easting (NAD83 / UTM Zone 15N)	Northing (NAD83 / UTM Zone 15N)	Li ₂ O_FUS- Na ₂ O ₂ _%	Be_FUS- MS- Na ₂ O ₂ _p pm	Cs_FUS- MS- Na ₂ O ₂ _p pm	Rb_FUS- MS- Na ₂ O ₂ _p pm	Ta_FUS- MS- Na ₂ O ₂ _p pm	K/Rb
1263501	Pegmatite	526525.8773	5522455.251	-0.003	77	68.7	635	5.8	92.9
1263502	Pegmatite	526512.3209	5522449.18	-0.003	-3	31.8	764	0.3	89
1263503	Pegmatite	524563.4448	5522084.6	-0.003	3	5.2	107	-0.2	308.4
1263504	Pegmatite	524527.0013	5522083.544	0.008	-3	9	99.5	0.5	291.5
1263505	Granite	524535.4422	5522092.811	0.009	-3	5.3	87.5	-0.2	308.6
1263506	Granite	524551.9703	5521968.027	0.006	-3	5.3	101	-0.2	297
1263507	Pegmatite	524502.0032	5521905.314	-0.003	-3	3.9	198	1.5	171.7
1263508	Pegmatite	524493.4998	5521909.723	-0.003	-3	13.1	419	1	152.7
1263509	Pegmatite	524487.3129	5521879.008	0.004	-3	10.8	251	1.3	159.4

1263510	Granite	524733.1672	5521945.84	0.008	7	18	166	3	198.8
1263511	Pegmatite	524695.7816	5521946.225	0.005	-3	5.7	225	-0.2	182.2
1263512	Pegmatite	526605.2068	5522665.557	0.009	4	18.3	278	37	125.9
1263513	Pegmatite	526614.3992	5522696.401	0.006	-3	24.7	472	1.7	95.3
1263514	Pegmatite	526611.7738	5522645.799	-0.003	-3	36.3	746	0.9	105.9
1263515	Pegmatite	526588.8947	5522693.606	0.022	-3	12	259	1.3	131.3
1263516	Pegmatite	526570.4201	5522635.477	-0.003	-3	26.5	357	2.3	134.5
1263517	Pegmatite	526602.3968	5522696.008	0.005	-3	12.5	302	0.5	162.3
1263518	Pegmatite	525871.1202	5522834.651	-0.003	6	50.3	200	1.6	120
1263519	Pegmatite	525868.8261	5522818.407	-0.003	4	9.3	230	7.2	269.6
1263520	Metasediments	524676.5234	5522399.544	0.004	-3	4.8	19.9	-0.2	201
1263521	Pegmatite	527461.5286	5524276.024	-0.003	4	3.7	117	1.3	205.1
1263522	Pegmatite	527473.0524	5524299.098	-0.003	-3	13.8	305	-0.2	196.7
1263523	Pegmatite	527554.7746	5524352.106	-0.003	-3	6.1	159	0.9	195
1263524	Pegmatite	527844.1481	5524270.317	-0.003	5	14.5	229	7.3	165.9
1263525	Granite	528204.2915	5524455.408	-0.003	-3	19.7	264	2.6	151.5
1263526	Pegmatite	524273.0221	5523102.838	-0.003	-3	3.3	126	-0.2	317.5
1263527	Pegmatite	524103.6452	5523416.061	-0.003	3	5.6	84.9	0.8	235.6
1263528	Granite	524090.4543	5523408.552	0.003	-3	6.3	137	0.6	255.5
1263529	Pegmatite	524069.7639	5523406.57	-0.003	-3	11.1	260	-0.2	250
1263530	Granite	524063.1891	5523398.202	0.004	-3	8.1	166	0.5	228.9
1263531	Granite	524169.1636	5523470.612	0.004	3	4.9	91.7	1.3	218.1
1263532	Pegmatite	524208.2801	5523514.483	-0.003	-3	5.9	246	0.7	260.2
1263533	Pegmatite	524271.081	5523549.566	0.006	3	13.5	139	1.8	208.6
1263534	Pegmatite	524293.3416	5523585.69	0.008	-3	5.3	125	0.7	248
1263535	Pegmatite	522737.8395	5522943.929	-0.003	-3	6.9	231	0.5	238.1
1263536	Pegmatite	523514.4463	5523627.93	-0.003	-3	4	157	-0.2	299.4
1263537	Pegmatite	523717.1382	5523574.338	-0.003	-3	6.1	203	-0.2	310.3
1263538	Granite	523699.9889	5523600.725	0.008	-3	3.7	83.6	-0.2	311
1263539	Pegmatite	523883.1414	5523529.487	-0.003	-3	5.9	127	0.5	236.2
1263540	Pegmatite	524042.2297	5523536.977	-0.003	-3	5.6	210	-0.2	271.4
1263541	Pegmatite	524360.81	5523637.251	-0.003	-3	8.7	196	0.7	280.6
1263542	Pegmatite	523959.1887	5523682.757	-0.003	-3	2.8	110	0.2	336.4
1263543	Pegmatite	524543.7337	5522071.724	0.008	-3	9	255	1.2	141.2
1263544	Pegmatite	524559.3138	5521934.149	0.007	4	12.1	238	3.5	163.9
1263545	Mafic Metavolcanics	536141.2919	5534641.682	0.006	-3	3.5	8.8	-0.2	454.5
1263546	Mafic Metavolcanics	535526.6487	5534668.489	0.003	-3	2.9	5.1	-0.2	588.2
1263547	Pegmatite	532653.7643	5532188.224	0.012	5	12.6	146	8.7	34.2
1263548	Pegmatite	532416.1315	5531006.536	-0.003	-3	8.3	372	5.5	99.5
1263549	Felsic Metavolcanics	539856.0268	5534273.038	0.003	-3	16.3	52.3	-0.2	363.3
1263550	Felsic Metavolcanics	539856.0268	5534273.038	0.003	-3	15.6	50.9	-0.2	334
1263551	Pegmatite	524478.0292	5522007.717	-0.003	3	10.5	170	1	194.1
1263552	Granite	525578.4095	5522989.022	0.003	5	7.8	96.5	1.3	176.2
1263553	Pegmatite	526803.8209	5523459.619	0.004	7	27.5	224	7.1	174.1

1263554	Pegmatite	526804.7541	5523459.846	-0.003	-3	2.2	21.8	1.9	183.5
1263555	Pegmatite	526767.4539	5523430.641	-0.003	3	24.7	378	4.8	153.4
1263556	Pegmatite	526769.5066	5523436.989	-0.003	5	7	119	1.3	168.1
1263557	Pegmatite	526762.5607	5523446.294	-0.003	-3	12.8	321	-0.2	190
1263558	Pegmatite	526706.2833	5523374.078	0.005	4	7.3	170	2.5	170.6
1263559	Pegmatite	526666.2663	5523370.767	0.011	-3	18.9	251	1.1	159.4
1263560	Pegmatite	526624.9573	5523367.116	0.004	6	15.4	251	5	171.3
1263561	Pegmatite	526737.9278	5523370.01	0.007	3	5.6	165	4.7	163.6
1263562	Pegmatite	526812.1183	5523409.85	0.003	-3	18.9	371	2.2	202.2
1263563	Pegmatite	524855.4907	5522281.066	0.004	4	7.2	138	3	137.7
1263564	Pegmatite	527332.9716	5524289.602	-0.003	3	8.4	202	2.9	212.9
1263565	Pegmatite	527626.0016	5524531.589	-0.003	-3	9.2	230	1.2	178.3
1263566	Pegmatite	527622.8621	5524527.237	-0.003	3	11.7	200	2.1	145
1263567	Pegmatite	527756.7618	5524493.903	-0.003	3	6.4	108	4.7	175.9
1263568	Pegmatite	527796.8577	5524480.212	-0.003	3	24.3	316	17.6	79.1
1263569	Pegmatite	527799.7809	5524415.073	-0.003	3	13.9	366	3.3	76.5
1263570	Metasediments	527802.4344	5524416.087	-0.003	-3	-0.1	1.2	0.5	1666.7
1263571	Pegmatite	527905.8388	5524457.983	-0.003	4	22.1	270	2.2	133.3
1263572	Pegmatite	527955.3241	5524490.594	-0.003	5	27.4	441	18.8	113.4
1263573	Pegmatite	528166.7842	5524645.465	-0.003	3	9.9	242	3.4	148.8
1263574	Pegmatite	528215.2862	5524659.394	-0.003	-3	19.1	482	0.3	110
1263575	Pegmatite	527494.9683	5523201.374	0.011	3	10.6	213	1	126.8
1263576	Granite	527460.0175	5523176.958	0.005	-3	17.3	221	3	140.3
1263577	Pegmatite	527485.9965	5523297.503	0.01	-3	17	324	1.1	108
1263578	Pegmatite	527412.7899	5523192.061	0.004	-3	10.2	259	3.4	119.7
1263579	Pegmatite	527414.6858	5523200.854	-0.003	-3	29.3	490	1.8	98
1263580	Pegmatite	527357.3527	5523111.282	-0.003	4	19.1	344	0.6	119.2
1263581	Pegmatite	528323.3726	5524683.978	-0.003	-3	9.8	177	0.5	163.8
1263582	Pegmatite	527460.5981	5524190.741	-0.003	7	15.1	201	8.2	164.2
1263583	Pegmatite	527966.2983	5524051.694	-0.003	3	18	343	2.6	128.3
1263584	Pegmatite	527934.7472	5524052.197	-0.003	3	19.6	336	5.3	125
1263585	Pegmatite	527922.9804	5524034.68	-0.003	-3	6.2	196	2	199
1263586	Pegmatite	532626.9139	5532178.61	0.021	3	33.9	662	7.7	36.3
1263587	Pegmatite	532429.6772	5531009.731	-0.003	3	1.6	71.6	11.3	69.8
1263588	Pegmatite	532303.4288	5530794.937	-0.003	-3	2.8	181	0.5	82.9
1263589	Pegmatite	532261.4911	5531013.611	-0.003	-3	5.2	286	1.2	90.9
1263590	Mafic Metavolcanics	539775.1305	5534106.322	-0.003	-3	6.8	46.8	-0.2	256.4
1263591	Mafic Metavolcanics	539996.0839	5534123.419	-0.003	5	13.7	92.7	-0.2	269.7
1263592	Mafic Metavolcanics	538724.6843	5534363.715	-0.003	-3	3.1	25.2	-0.2	238.1
1263593	Felsic Metavolcanics	538690.2894	5534368.804	-0.003	-3	3	45	-0.2	555.6
1263594	Mafic Metavolcanics	538699.0593	5534266.685	0.003	-3	42.5	57.2	-0.2	349.7
1263595	Felsic Metavolcanics	538704.1901	5534191.781	0.004	-3	5.6	54.9	-0.2	382.5
1263596	Mafic Metavolcanics	534353.4829	5534171.292	0.025	-3	69.4	129	-0.2	178.3

1263597	Pegmatite	535686.1301	5531769.657	0.008	7	57.7	1630	29.5	22.1
1263598	Pegmatite	535676.2491	5531744.686	-0.003	-3	221	5510	22.9	17.4
1263599	Pegmatite	535647.5691	5531686.789	-0.003	-3	34.8	2310	2.8	41.1
1263600	Pegmatite	535647.5691	5531686.789	-0.003	-3	30	2040	1.6	40.2
1263601	Pegmatite	535651.8543	5531700.716	-0.003	7	13.8	789	19.6	38
1266501	Pegmatite	532375.2541	5530834.284	-0.003	-3	3.9	149	5.5	87.2
1266502	Mafic Metavolcanics	540503.87	5534276.887	0.005	-3	11	28.6	-0.2	314.7
1266503	Pegmatite	536433.9062	5531874.857	-0.003	-3	49.6	2100	9.4	32.9
1266504	Pegmatite	536431.7627	5531767.658	-0.003	4	31.2	1470	14.9	32.7
1266505	Pegmatite	536418.511	5531722.549	0.004	6	50.3	1460	53	27.4

APPENDIX D

MAVIS LAKE

JORC Code, 2012 Edition – Section 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code Explanation	Commentary
Sampling techniques	Nature and quality of sampling.	- Representative grab rock samples were collected during systematic prospecting and geological mapping across the Corona Pegmatite Field and Northern Prospects Area. - Sampling focused on pegmatites, granitic rocks and representative host lithologies to evaluate pegmatite fertility and magmatic fractionation rather than determine average grades or Mineral Resources. - Geological observations, structural measurements and sample locations were recorded at each sampling site. - Sample selection was undertaken by experienced geologists based on lithology, alteration, mineralogy and pegmatite characteristics.
Drilling techniques	Drill type and details.	No drilling is reported in this announcement.
Drill sample recovery	Sample recovery methods.	Not applicable. No drilling was completed.
Logging	Geological logging.	- All sampled outcrops were geologically recorded (logged) by geologists. - Logging included lithology, mineralogy, pegmatite texture, alteration, structure and observed mineralisation where present. - Structural measurements were collected where appropriate. - A total of 161 outcrops were mapped and 74 structural measurements were recorded during the program. - Representative photographs were collected for significant outcrops.
Sub-sampling techniques and sample preparation	Sample preparation methods.	- Individual representative rock samples were collected using a geological hammer. - Samples were bagged in labelled sample bags and transported under Company supervision to Activation Laboratories Ltd. (Actlabs), Dryden, Ontario. - Samples were crushed and pulverised using standard laboratory preparation procedures prior to analysis. - Sample sizes were considered appropriate for the style of mineralisation and the objectives of whole-rock lithogeochemical analysis.
Quality of assay data and laboratory tests	Analytical procedures.	- Whole-rock lithogeochemical analyses were completed by Activation Laboratories Ltd. (Actlabs), an ISO/IEC 17025 accredited laboratory. - Samples were analysed using UT7 – Sodium Peroxide Fusion followed by ICP-OES and ICP-MS, providing near-total digestion of silicate rocks. - Major and trace elements including Li, Be, Cs, Rb, Ta, Nb, Sn, Ga, Ba and Sr were analysed.

		- Potassium-to-rubidium (K/Rb) ratios were calculated from analytical results. - Internal laboratory QA/QC procedures included certified reference materials, blanks and duplicates. Laboratory QA/QC results were reviewed and considered acceptable.
Verification of sampling and assaying	Verification procedures.	- Sample descriptions, analytical results and geological observations were reviewed by the Competent Person. - All data were digitally recorded and integrated into the Company's exploration database. - No adjustments were made to the analytical data. - Field duplicate samples were collected due to the reconnaissance nature of the program.
Location of data points	Accuracy of sample locations.	- Sample locations were recorded using handheld GPS with an estimated accuracy of approximately $\pm 3-5$ metres. - Coordinates are reported in NAD83 UTM Zone 15N. - Topographic control was derived from publicly available digital elevation models.
Data spacing and distribution	Sample distribution.	- Sampling was undertaken on exposed pegmatite outcrops encountered during systematic traverses. - Sample spacing reflects geological exposure rather than a fixed grid and is appropriate for reconnaissance exploration. - No sample compositing was undertaken.
Orientation of data in relation to geological structure	Sampling orientation.	- Samples were collected from representative outcrops where exposed. - Sampling was not designed to estimate true widths or support Mineral Resource estimation. - No orientation-related sampling bias is considered to have materially affected the results.
Sample security	Sample security.	Samples remained under Company supervision until delivery to Activation Laboratories Ltd. for preparation and analysis.
Audits or reviews	Reviews of sampling.	- No external audit has been completed. - Internal review indicates the sampling procedures and analytical results are appropriate for the purposes of this announcement.

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Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code Explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties.	- The Mavis Lake Lithium Project is located approximately 19 km east-northeast of Dryden, Ontario, Canada and is held 100% by Critical Resources Limited through a combination of unpatented single-cell mining claims, multi-cell mining claims and patented mining leases. - The exploration work reported in this announcement was completed on claims within the Corona Pegmatite Field and Northern Prospects Area. - All claims are in good standing and there are no known impediments to exploration.
Exploration done by other parties	Acknowledgement and appraisal of exploration by other parties.	- Previous exploration has been undertaken by numerous operators including Lun-Echo Gold Mines Ltd., Selco Mining Corporation, Tantalum Mining Corporation of Canada Ltd., Emerald Field Resources, International Lithium Corp., Pioneer Resources Ltd., Essential Metals Ltd., Power Metals, and other parties. - Historical work included geological mapping, prospecting, trenching, geochemistry, LIBS analyses and diamond drilling, which assisted in defining exploration targets evaluated during the current program.
Geology	Deposit type, geological setting and style of mineralisation.	- The Mavis Lake Lithium Project is located within the Eagle-Wabigoon-Manitou Greenstone Belt, in the Sioux Lookout Domain of the western Wabigoon Subprovince, Ontario. The project hosts lithium-caesium-tantalum (LCT) pegmatites of the Dryden Pegmatite Field that are prospective for spodumene-hosted lithium mineralisation. - Pegmatites exhibit variable degrees of magmatic fractionation and are prospective for spodumene-hosted lithium mineralisation.

<i>Drill hole information</i>	Summary of all information material to the understanding of Exploration Results.	No drilling is reported in this announcement. Exploration results relate to geological mapping, prospecting and representative rock sampling.
<i>Data aggregation methods</i>	Weighting averages, grade truncations and cut-off grades.	- Individual whole-rock analytical results are reported. - No compositing, weighting, top-cutting or grade truncation has been applied. - K/Rb ratios were calculated directly from analytical results.
<i>Relationship between mineralisation widths and intercept lengths</i>	Relationship between widths and intercept lengths.	Not applicable. No drilling or channel sampling is reported.
<i>Diagrams</i>	Appropriate maps and sections.	Appropriate location maps, sample location plans, geological photographs and analytical summary tables are included within this announcement.
<i>Balanced reporting</i>	Representative reporting of Exploration Results.	- Representative analytical results are presented to illustrate the range of pegmatite fertility identified during the program. - The announcement discusses both highly fractionated pegmatites from the Northern Prospects Area and the comparatively less fractionated pegmatites from the Corona Pegmatite Field.
<i>Other substantive exploration data</i>	Other exploration data if meaningful and material.	- Geological mapping, structural measurements and whole-rock lithogeochemistry were integrated to evaluate pegmatite fertility and prioritise follow-up exploration. - Whole-rock analyses included Li, Be, Cs, Rb, Ta, Nb, Sn, Ga, Ba and Sr together with calculated K/Rb ratios to assess magmatic fractionation.
<i>Further work</i>	Nature and scale of planned further work.	- Follow-up prospecting will focus on favourable granitic units within the Northern Prospects Area. - Geological, structural, geophysical and lithogeochemical datasets will be integrated to prioritise high-confidence drill targets. - Priority targets will be advanced toward scout diamond drilling as part of the Company's district-scale exploration strategy.