

## ENOVA SET TO ACQUIRE HIGHLY PROSPECTIVE CALDEIRA RARE EARTH & BRAZIL LITHIUM VALLEY TENEMENTS

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Enova Mining Ltd (ASX: ENV) is pleased to advise that it has entered into a binding option agreement to acquire 100% of the **POÇOS, JUQUIA, RESPLENDOR, CARAI, SANTO ANTÔNIO & SALINAS EAST** Prospects.

### KEY HIGHLIGHTS

- Enova has entered into a binding option agreement to acquire 100% of the **POÇOS, JUQUIA, RESPLENDOR, CARAI, SANTO ANTÔNIO & SALINAS EAST** prospects located in Brazil with a dominant strategic land holding of **67,579 Ha** or **675.79km<sup>2</sup>**
- The majority of the tenements are strategically situated in Brazil's prolific **Poços de Caldas / Caldeira Rare Earth Complex** and **Lithium Valley** in the mining friendly state of Minas Gerais.
- The tenements are in proximity to several world class deposits, being **Sigma Lithium's Grota do Cirilo Resource** (77Mt @ 1.43% Li<sub>2</sub>O + 8.5Mt @1.43% Li<sub>2</sub>O Inf) and **Latin Resources Salinas Project** (45.2Mt @1.32% Li<sub>2</sub>O), along with other major explorers such as **Lithium Ionic** and **Atlas Lithium**.
- Discussions have begun with drilling contractors to conduct a 'first pass' drilling program on the rare earth tenements as soon as feasible.
- Enova, subject to completion of Due Diligence, obtaining Shareholder Approval and the results of an initial report on mineral exploration as set out below, plans on an **aggressive exploration campaign with a ready to mobilize on-ground team**.
- The tenements are located nearby to well-established highways, infrastructure, water access, hydroelectric power and proximity to commercial ports.

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### OUR OPPORTUNITY

Enova Mining Ltd (ASX: ENV) ("Enova" or the "Company") is pleased to advise that it has entered into a binding option agreement ("Option Agreement") with B Geologia E Mineração LTDA ("RTB"), Mineração Paranaí Ltda and Rafael Viola Mottin, under which it has been granted an option to acquire 100% interest of the **POÇOS, JUQUIA, RESPLENDOR, CARAI, SANTO ANTÔNIO & SALINAS EAST** Permits located in the state of Minas Gerais, Brazil.

Through this Option Agreement, Enova now gains significant exposure to exploration tenements situated in the mining friendly state of Minas Gerais, Brazil. These tenements are located in the world class mining district of the Poços de Caldas / Caldeira Rare Earth Complex and the Lithium Valley, with potential for Rare Earth enriched Ionic Absorption Clay (IAC) and hard rock spodumene lithium.

## **ATTRACTIVE BUSINESS ENVIRONMENT**

Brazil has a developed and sophisticated mining industry, and is amongst the leading exporters of iron ore, tin, bauxite, manganese, copper, gold, rare earths and lithium. The country investment risk is low. Enova join many established ASX and TSX explorers, for good reason:

- Mining is recognised as a key economic industry in Brazil and the State of Minas Gerais.
- Progressive mining policies, seeking investment, encouraging explorers and new developments,
- Mining investment free of government mandated ownership,
- Low sovereign risk and government intervention,
- Attractive cost base and sophisticated support network for the mining industry
- High level of exploration/mining technical skills and expertise in country

### **Mr. Eric Vesel Managing Director of Enova, commented:**

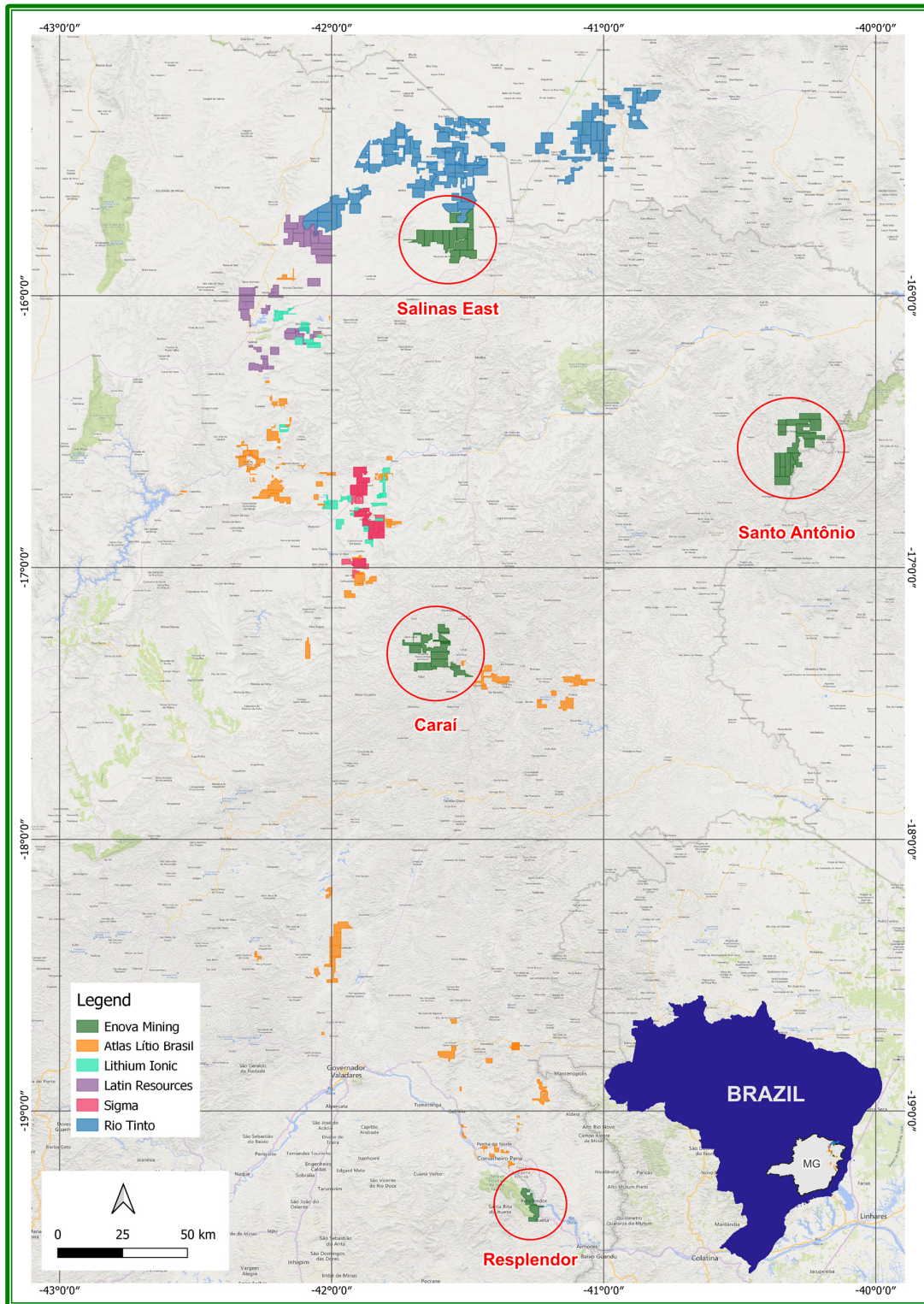
*“Minas Gerais State is a target rich exploration region for critical minerals and lithium. This Option Agreement presents a significant opportunity for Enova, securing a substantial tenement position in this highly prospective and well sought after region. This is one of the largest exploration land packages on offer, for which Enova has the privilege to acquire. There is potential for low-level exploration work to quickly develop into projects that Enova can grow. Enova has already established a network of local expertise and support that will provide good grounding to operate in this progressive mining state. We would approach our entry into Brazil firstly by low cost on-the-ground geological reconnaissance during the due diligence period. Once satisfied with our team’s findings, we would seek Shareholder approval to proceed with acquisition. This is a transformation opportunity for the Company.”*

## **TENEMENT OVERVIEW**

Enova is encouraged by the location of the tenements in relation to prospective geological features. The northern tenements of Salinas East and Carai are located in the Minas Gerai “Lithium Valley”. Tenements are in proximity, to G4 and G5, post-collisional granites, recognised to be “fertile” granites for lithium, within the prolific Eastern Brazilian Pegmatite District (EBPD). Santo Antônio is located further to the east, within the Araçuaí orogen.

Further to the south, the Resplendor tenements are located in the Aimorés pegmatite district, a region renowned for gem quality pegmatite hosted minerals. The Resplendor area hosts several artisanal workings and producing mines in the region.

Figure 1 (following) illustrates the locations of the northernmost tenements, in relation to other significant lithium valley tenement holders and known geological features.

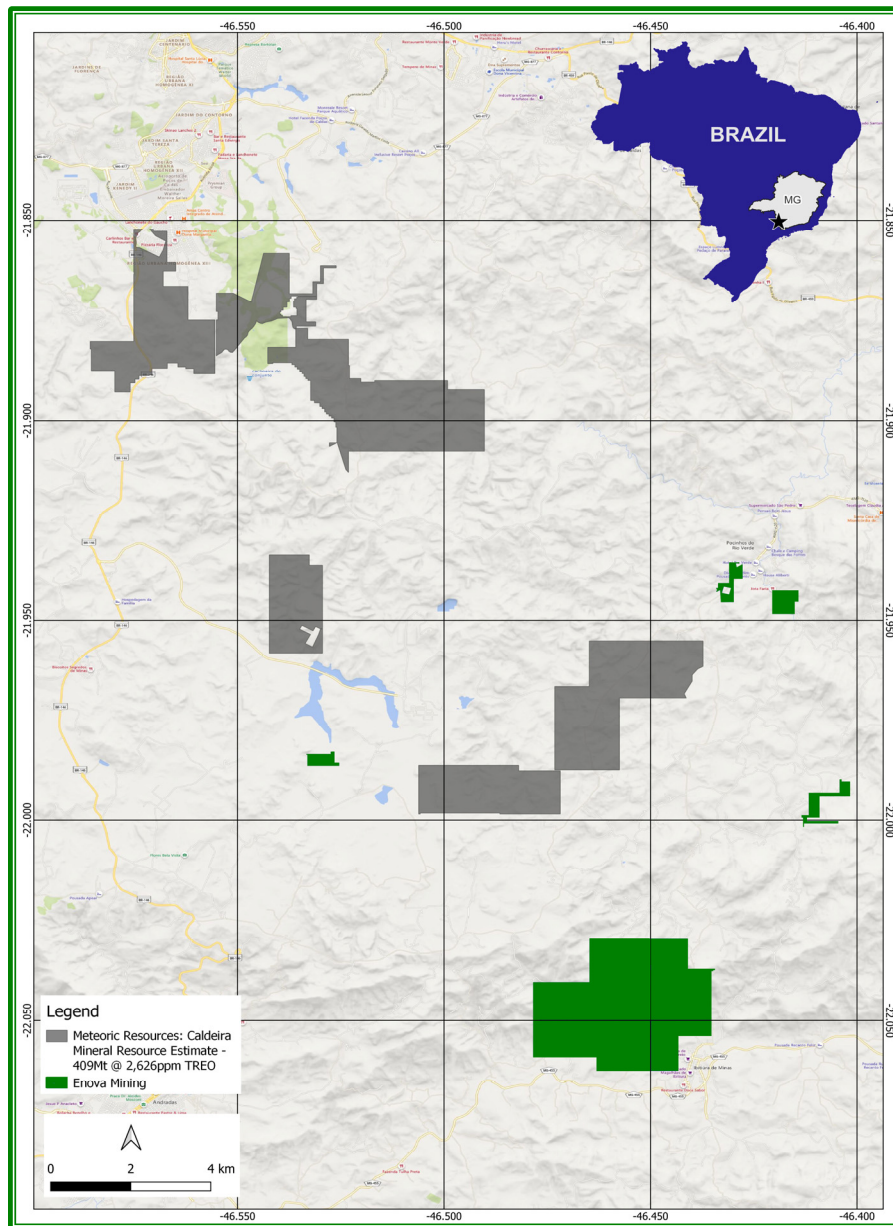


**Figure 1 – Regional location of tenements under Option in Minas Gerais, Brazil  
(POÇOS, JUQUIA tenements not shown)**



In Southern Minas Gerais, the Poços tenements are situated on the edge of the Poços de Caldas alkaline complex, a 30 km in diameter caldera-like structure (circa 800 km<sup>2</sup>). This is one of the largest intrusions of the world and extends into the states of São Paulo and Minas Gerais. This complex hosts a range of important economic minerals. Our interest is in ionic absorption clays (IAC) containing rare earth minerals, much the same style and in proximity to MEI's Caldiera project. REE enriched IAC's are considered relatively low-cost for mining/extraction with negligible thorium.

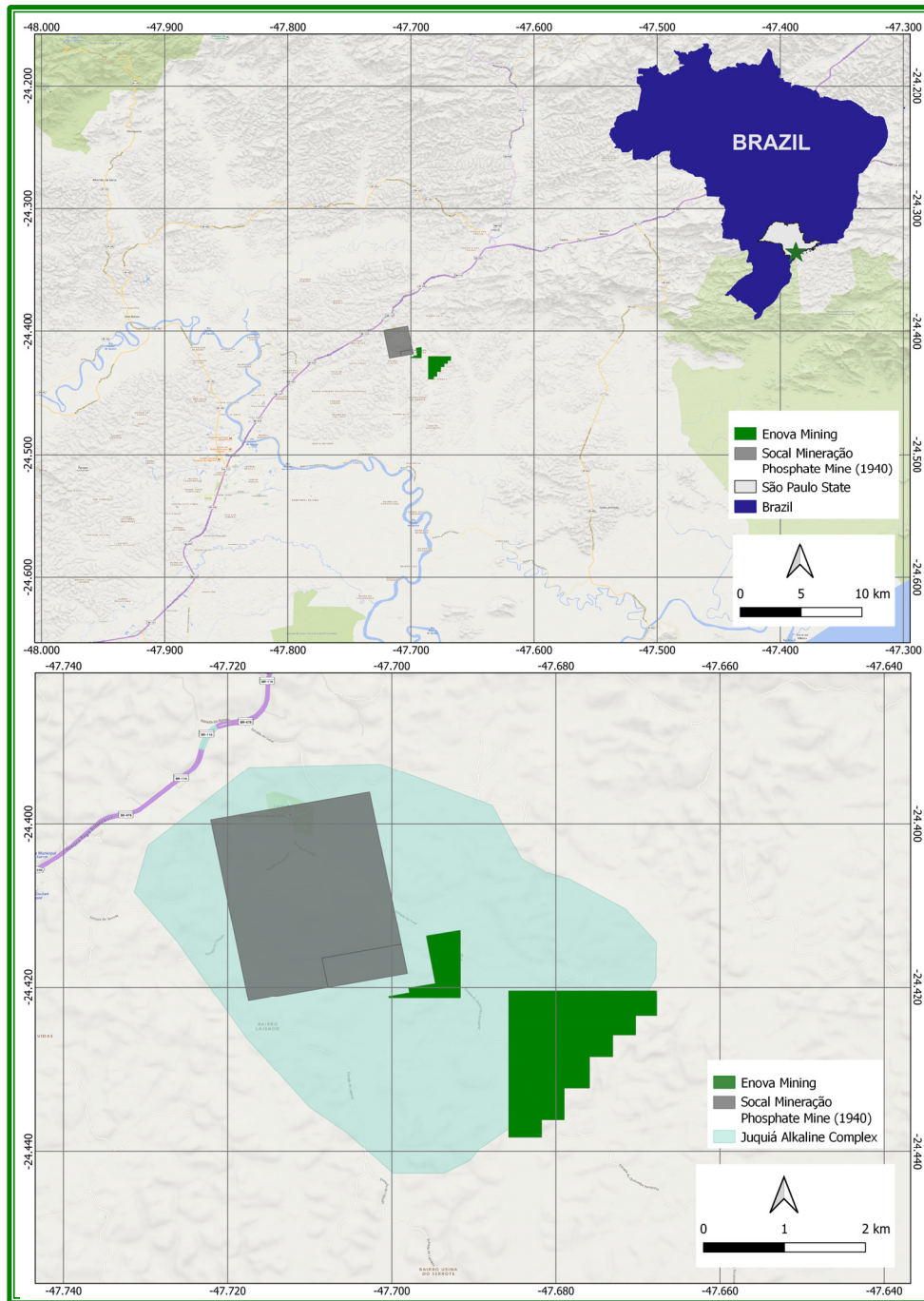
Figure 2 (below) illustrates the locations of the Poços tenements, in relation to other significant IAC bearing rare earth explorers within the Poços de Caldas alkaline complex.



**Figure 2 – Regional location of Poços tenements under Option in Minas Gerais, Brazil**

The Juquiá tenements are located within the Juquiá circular alkaline intrusion complex (circa 14 km<sup>2</sup>). The tenements are adjacent to local phosphate producer Socal S/A, producing a natural phosphate of reactive magmatic rock. This region has potential for REE enriched IAC.

Figure 3 (below) illustrates the locations of the Juquiá tenements, in relation to other significant IAC bearing rare earth explorers within the Juquiá caldera complex.



**Figure 3 – Regional location of Juquiá tenements in the State of San Paulo, Brazil**

## TENEMENTS/PERMITS

EAST SALINAS				
#	Licence ID	Area (Ha)	Status	Ownership
1	833387/2023	1,911.25	Granted	Mineração Paranaí Ltda
2	833388/2023	1,979.57	Granted	Mineração Paranaí Ltda
3	833389/2023	1,962.85	Granted	Mineração Paranaí Ltda
4	833390/2023	1,984.33	Granted	Mineração Paranaí Ltda
5	833391/2023	1,953.97	Granted	Mineração Paranaí Ltda
6	833392/2023	1,978.60	Granted	Mineração Paranaí Ltda
7	833393/2023	1,921.12	Granted	Mineração Paranaí Ltda
8	833394/2023	1,970.25	Granted	Mineração Paranaí Ltda
9	833395/2023	1,985.44	Granted	Mineração Paranaí Ltda
10	833396/2023	1,267.47	Granted	Mineração Paranaí Ltda
11	833397/2023	1,824.46	Granted	Mineração Paranaí Ltda
12	833398/2023	1,980.40	Granted	Mineração Paranaí Ltda
		<b>22,719.71</b>		
SANTO ANTÔNIO				
#	Licence ID	Area (Ha)	Status	Ownership
1	832608/2023	1,937.70	Application	RTB Geologia & Mineração Ltda
2	832609/2023	1,698.09	Application	RTB Geologia & Mineração Ltda
3	832610/2023	1,982.29	Application	RTB Geologia & Mineração Ltda
4	832611/2023	1,720.24	Application	RTB Geologia & Mineração Ltda
5	832612/2023	1,924.53	Application	RTB Geologia & Mineração Ltda
6	832613/2023	1,985.72	Application	RTB Geologia & Mineração Ltda
7	832614/2023	1,965.50	Application	RTB Geologia & Mineração Ltda
8	832615/2023	1,347.99	Application	RTB Geologia & Mineração Ltda
9	832616/2023	1,981.28	Application	RTB Geologia & Mineração Ltda
10	832617/2023	1,937.25	Application	RTB Geologia & Mineração Ltda
11	832618/2023	1,904.13	Application	RTB Geologia & Mineração Ltda
12	832619/2023	1,093.28	Application	RTB Geologia & Mineração Ltda
13	832642/2023	1,972.79	Application	RTB Geologia & Mineração Ltda
		<b>23,450.79</b>		
CARAI				
#	Licence ID	Area (Ha)	Status	Ownership
1	832556/2023	1,133.43	Application	RTB Geologia & Mineração Ltda
2	832557/2023	1,648.74	Application	RTB Geologia & Mineração Ltda
3	832558/2023	689.22	Application	RTB Geologia & Mineração Ltda
4	832559/2023	1,959.52	Granted	RTB Geologia & Mineração Ltda
5	832560/2023	1,920.42	Granted	RTB Geologia & Mineração Ltda
6	832561/2023	1,379.98	Application	RTB Geologia & Mineração Ltda
7	832562/2023	1,020.04	Application	RTB Geologia & Mineração Ltda
8	832563/2023	1,953.12	Granted	RTB Geologia & Mineração Ltda
9	832564/2023	346.46	Application	RTB Geologia & Mineração Ltda
10	832565/2023	1,792.75	Granted	RTB Geologia & Mineração Ltda
11	832566/2023	1,969.12	Granted	RTB Geologia & Mineração Ltda
		<b>15,812.80</b>		
RESPLENDOR				
#	Licence ID	Area (Ha)	Status	Ownership
1	832.946/2023	1,989.21	Application	RTB Geologia & Mineração Ltda
2	832.947/2023	1,976.81	Application	RTB Geologia & Mineração Ltda
		<b>3,966.02</b>		
POÇOS				
#	Licence ID	Area (Ha)	Status	Ownership
1	832.174/2023	27.80	Granted	RTB Geologia & Mineração Ltda
2	832.175/2023	37.22	Granted	RTB Geologia & Mineração Ltda
3	832.177/2023	25.51	Granted	RTB Geologia & Mineração Ltda
4	832.179/2023	21.49	Granted	RTB Geologia & Mineração Ltda
5	830.652/2020	1,259.50	Application	RTB Geologia & Mineração Ltda
		<b>1,371.52</b>		
JUQUIÁ				
#	Licence ID	Area (Ha)	Status	Ownership
1	820.453/2023	37.55	Granted	RTB Geologia & Mineração Ltda
2	820.454/2023	220.99	Granted	RTB Geologia & Mineração Ltda
		<b>258.54</b>		
<b>45</b>	<b>67,579.38</b>			

*Tenements under Application await payment of the fees for status change.*

## OPTION AGREEMENT TERMS & CONDITIONS

The Option Agreement provides Enova an exclusive option to acquire 100% ownership and title to Mineral Rights from the vendors B Geologia E Mineração LTDA (“RTB”), Mineração Paranaí Ltda and Rafael Viola Mottin. The Option Agreement allows Enova an exclusive due diligence period to conduct an evaluation of the Mineral Rights starting on the date of the Option Agreement and lasting until 10 January 2024, unless amended as set out below (the “Due Diligence Period”). Five days prior to the expiration of the Due Diligence Period, Enova will inform the vendors of their decision, whether to proceed with an acquisition or to terminate the Option at no additional cost to Enova.

To proceed with the acquisition, the transaction will require payment of cash and issue of securities as set out below. The issue of securities is subject to shareholder approval, as the transaction exceeds the Company’s existing 15% capacity under Listing Rule 7.1, which the Company anticipates will be held within three months from the date of this announcement, subject to completion of due diligence to the Company’s satisfaction.

A summary of the material terms and conditions of the Option Agreement is set out below:

- (a) The vendors grant Enova an exclusive option until 10 January 2024 to acquire a 100% interest in 45 exploration permits (Permits) on offer.
- (b) An irrevocable cash payment of AUD\$30,000 within five days of the Company receiving confirmation from ASX that Chapter 11 of the ASX Listing Rules does not apply to the transaction, which has been paid by Enova.
- (c) Prior to expiry of the Due Diligence Period, Enova may (in its sole and absolute discretion) elect to exercise the option, at which point the parties will have deemed to have entered into an agreement to sell all of their rights and interests in the Permits, at which point the Company will:
  - (i) Make a cash payment of AUD\$120,000 to RTB;
  - (ii) issue 190,000,000 shares to RTB (or its nominees) within 5 days after Shareholder Approval, of which 95,000,000 shares to be held in escrow for 6-months from their date of issue as a trading moratorium; and
  - (iii) issue 100,000,000 listed options exercisable at \$0.012 with a 5-year expiry date, to RTB (or its nominees) within 5 days after Shareholder Approval.
- (d) RTB will transfer its 100% interest in the Permits to Enova upon Enova completing the payments and share/option issues contemplated above.
- (e) RTB will be entitled to the following deferred consideration:
  - (i) on commencement of mineral production over the Permits, RTB will receive a 2% net smelter return royalty over minerals produced that are the subject of the Permits (“NSR”), which will be detailed in a formal royalty agreement on terms consistent with the Option Agreement. Enova also has the right to buy-back half of the NSR for AUD\$500,000;
  - (ii) in the event Enova reports a 10m or greater continuous intercept at 1% Li<sub>2</sub>O (Spodumene) on the Permits within 5 years, Enova will make a payment of AUD\$1,000,000 to RTB; and
  - (iii) in the event Enova reports a JORC Compliant Inferred Resource (or greater) of 10 million tonnes @ over 1,000 ppm TREO, in the Pocos and/or Juquia Prospects, Enova shall issue



- RTB 15,000,000 shares, subject to shareholder approval if the Company does not have the available placement capacity at the relevant time.
- (f) RTB will facilitate the completion of a partial or final exploration report covering the Permits to the Brazilian National Mining Agency (“Exploration Report”)
  - (g) The parties have agreed to, on request by either of the parties, negotiate and enter into a formal agreement to fully document the terms of the Option Agreement and otherwise contain terms and conditions considered standard for an agreement of its nature.
  - (h) If the Company does not start commercial production after two the date of the Exploration Report, the Company will pay RTB, per each Permit:
    - (i) \$50,000 every twelve months for the first two years of default; and
    - (ii) \$100,000 every twelve months from the third year of default until the beginning of commercial production on at least one of the Permits.

GBA Capital has provided support for the Placement of \$1.5M, as announced on 22<sup>nd</sup> August 2023.

## **EXPENDITURE**

Subject to exercising the Option during the Due Diligence Period, Enova will only commit to initial expenditure of AUD\$100,000 to fund preliminary work on the Permits. Any decision on further expenditure on the Permits will be subject to Enova conducting due diligence during the Due Diligence period and beyond, should Enova choose to exercise the Option to acquire the Permits.

Enova also confirms that it’s previously committed expenditure at Charley Creek will remain unchanged as a result of Enova executing the Option Agreement.

## **ASSESSING OUR OPTION**

During the Due Diligence period, the tenements will be assessed by a team of expert geologists, specialising in lithium and rare earth associated geology, competent persons (AusIMM qualified) in this field of expertise. Given the magnitude of areas on offer, geological field reconnaissance will focus on recognised/identified targets for investigation. The local team have decades of experience, information, and local contacts to guide their way. In addition, a thorough review of the tenements will be undertaken to ensure tenure is secure.

The Board of Directors will review findings from the Due Diligence team and seek further advice to assess the suitability of the Option and if appropriate recommend the acquisition for Shareholder approval. Funding for identified exploration targets will also be advised for Shareholder approval.

Enova remains committed to the development of Charley Creek rare earth project with ongoing activities proceeding without disruption. The Company will also continue to review projects and business opportunities as they arise, as is the case with this Option.



The market will be kept apprised of developments, as required under ASX Listing Rules and in accord with continuous disclosure requirements.

**Approved for release by the Board of Enova Mining Limited**

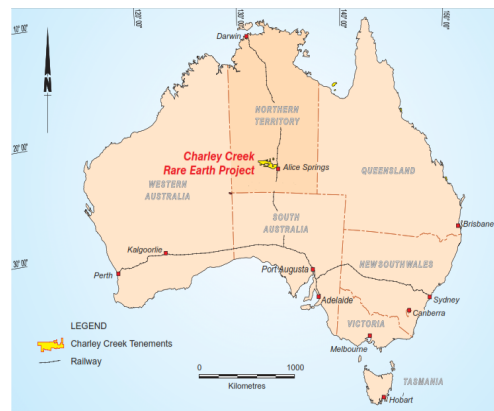
A handwritten signature in black ink, appearing to read "Eric Vesel".

Eric Vesel,  
**Enova Mining Limited**  
CEO/ Executive Director

**Contact:**  
[eric@enovamining.com](mailto:eric@enovamining.com)  
**About Enova Mining Limited**

Enova Mining Limited (Enova) is an ASX listed company pursuing exploration and development opportunities within the critical mineral sector. Enova's flagship asset, the Charley Creek rare earth project is located 110 km NW of Alice Springs, Northern Territory.

Further information about Enova is available at our website [www.enovamining.com](http://www.enovamining.com).



**Charley Creek Project Location**

**Forward-looking statements**

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 materialise, 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.

**Disclaimer**

This ASX announcement (Announcement) has been prepared by Enova Mining Limited ("Enova" or "the Company"). It should not be considered as an offer or invitation to subscribe for or purchase any securities in the Company or as an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for securities in the Company will be entered into on the basis of this Announcement.

This Announcement contains summary information about Enova, its subsidiaries, and their activities, which is current as at the date of this Announcement. The information in this Announcement is of a general nature and does not purport to be complete nor does it contain all the information which a prospective investor may require in evaluating a possible investment in Enova.

By its very nature exploration for minerals is a high-risk business and is not suitable for certain investors. Enova's securities are speculative. Potential investors should consult their stockbroker or financial advisor. There are many risks, both specific to Enova and of a general nature which may affect the future operating and financial performance of Enova and the value of an investment in Enova including but not limited to economic conditions, stock market fluctuations, commodity price movements, regional infrastructure constraints, timing of approvals from relevant authorities, regulatory risks, operational risks and reliance on key personnel.

Certain statements contained in this announcement, including information as to the future financial or operating performance of Enova and its projects, are forward-looking statements that: may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions; are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Enova, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and, involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

Enova disclaims any intent or obligation to update publicly any forward-looking statements, whether because of new information, future events, or results or otherwise. The words 'believe', 'expect', 'anticipate', 'indicate', 'contemplate', 'target', 'plan', 'intends', 'continue', 'budget', 'estimate', 'may', 'will', 'schedule' and similar expressions identify forward-looking statements. All forward-looking statements made in this announcement are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantee of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein. No verification: although all reasonable care has been undertaken to ensure that the facts and opinions given in this Announcement are accurate, the information provided in this Announcement has not been independently verified.