ENOVA COMMENCES DEEP DIAMOND DRILLING CAMPAIGN AT CATTLE CREEK, NORTHERN TERRITORY

HIGHLIGHTS:

- **Drilling commences at Cattle Creek within the Charley Creek Rare Earth Project, located 110km NNW of Alice Springs, NT, with seven holes for 450-500m planned**
- **Diamond coring will investigate the potential of the deeper bedrock as a host for rare earth minerals**
- **Drilling follows up prior air-core drilling in 2011 which encountered 5m @ 1.135% TREO mineralisation from 37m[1] depth (Hole CCA121) in weathered bedrock**
- **Drilling is expected to take several weeks to complete**
- **Enova is also commencing further metallurgical test work on Charley Creek samples**

Enova Mining Limited (ASX: ENV) (Enova or the Company) is pleased to announce deep hard rock drilling has commenced at Cattle Creek within the Charley Creek project area, NT, as shown in Figure 1.

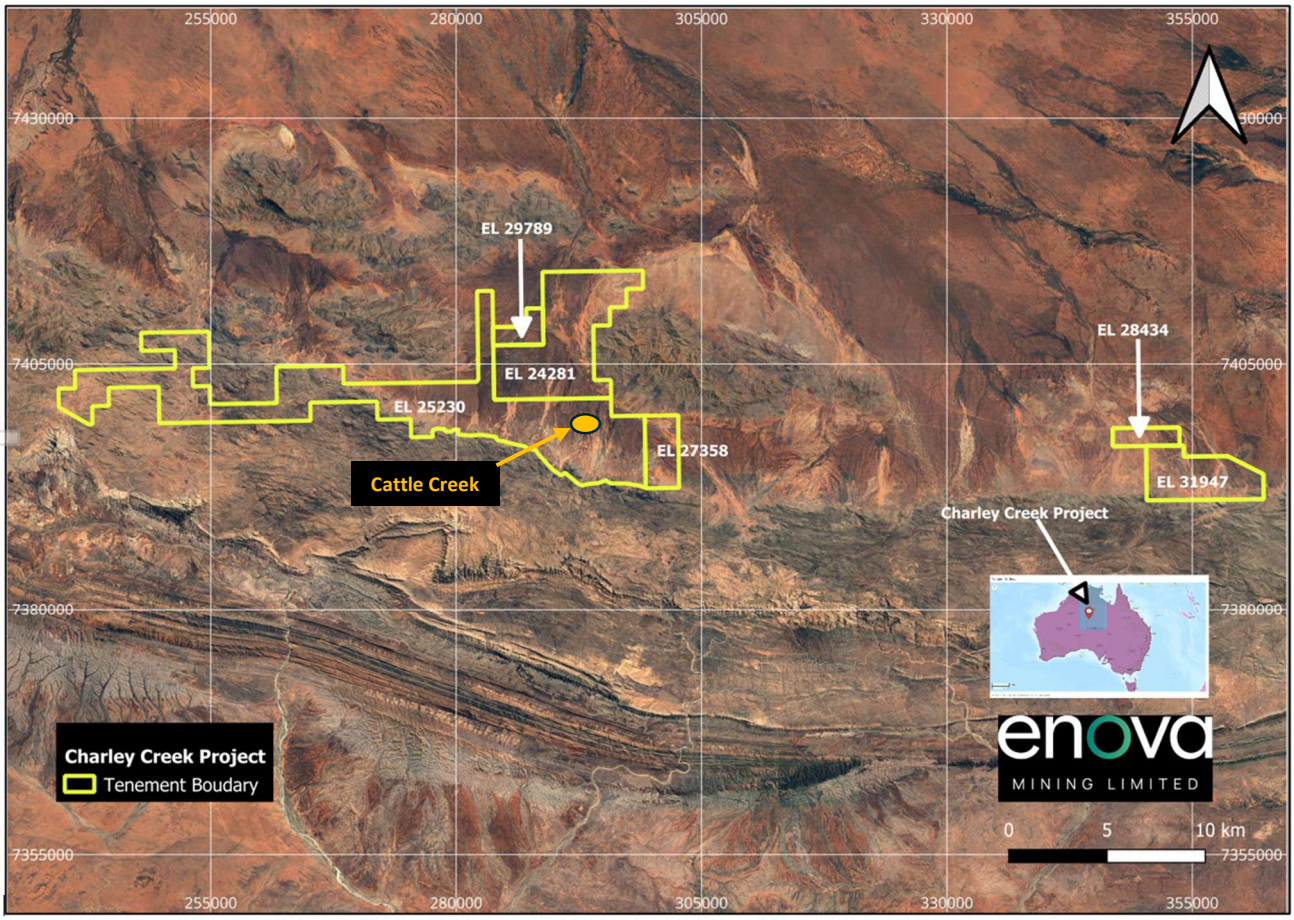

Figure 1: Location of drilling operations at Cattle Creek within EL25230

Contractor Johannsen Drilling Pty Ltd of Alice Springs commenced drilling, refer Figure 2. Air-core drilling is being used to pre-collar the holes through alluvial sands, saprolite and clays that overlay the gneiss granite bedrock. Diamond coring will be used to penetrate the granite and recover intact core. Enova's team is overseeing operations and will be responsible for sampling and geological controls.

Figure 2: Preparations underway to drill at Cattle Creek (20 April 2026)

Previous air-core drilling in 2008, 2009, 2011 and 2018 encountered bedrock at 40 to 100m depth. This will be the first campaign to explore the hard rock potential within the Charley Creek alluvial outwash area. The drilling campaign plans seven (7) holes with total drilling metreage expected to be 450 to 500 lineal metres. Depending on ground conditions, the campaign will take several weeks to drill and several weeks to prepare samples to dispatch for assaying.

Other Activities at Charley Creek

Enova continues to work on the Charley Creek alluvial project, targeting the recovery of monazite and xenotime minerals using wet heavy mineral concentration from alluvial sands deposited in the 250km^3 outwash area 30km south of Milton Park. In prelude to a bulk testing programme[2] planned for proof of concept, mineral characterisation test work identified potential recovery issues due to the variability mineralisation[2]. Follow up mineral process improvement test work was completed in 2025 by IHC Brisbane. Further test work is recommended to improve particle size control and fine and investigate the use of high "g" centrifugal concentrators to augment the spiral separators, amongst other improvements. Test work is planned to commence in the next few months.

Enova recently transferred samples from Milton Park to the Company warehouse in Altona and is currently in the process of preparing representative sub-samples from bulk samples for the subsequent recommended test work.

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

ENDS

The announcement was authorised for release by the Board of Enova Mining Limited.

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References:

1. CUX : REE Potential at the Charley Creek Project, Northern Territory, ASX presentation: update 28 March 2011
2. Bulk Sampling Programme Completed, ASX announcement 19th October 2023
3. Completion of Charley Creek Project Metallurgical Characterisation Test, ASX announcement 19 July 2024

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

About Enova Mining

Enova Mining is a critical minerals exploration and development company with a strategic portfolio of projects across Brazil and Australia, targeting the growing global demand for rare earth elements and battery metals.

The Company's key projects include:

- **The Coda Group of Projects** – prospective for clay-hosted rare earth elements (REE) and titanium.
- **The East Salinas Group of Projects** – prospective for ionic adsorption clay-hosted mineralisation.
- **The Poços de Caldas Project** – a promising ionic adsorption clay REE opportunity.
- **The Charley Creek Project** – prospective for alluvial REE minerals.
- **The Lithium Valley Projects** – including East Salinas, Caraí, Santo Antônio do Jacinto, and Resplendor, all considered prospective for rare earth elements and lithium.

Enova is focused on advancing these high-potential assets through systematic exploration and development to support the global transition to clean energy technologies.

A New Frontier for Rare Earth Element (REE) Exploration in Minas Gerais

- **Untested Frontier Opportunity:** Lithium Valley tenements are located within the highly prospective East Brasiliano Orogen in Minas Gerais, represents a new frontier for Enova's exploration portfolio. Exploration has commenced in the tenements hosting favourable geological settings associated with evolved granitic systems, which are recognised globally for their potential to contain REE-bearing pegmatites and leucogranite bodies.
- **Strategic Expansion of Enova's Footprint:** Discovery of IAC clay hosted mineralisation at East Salinas strengthens Enova's critical minerals strategy, complementing the CODA project with further prospectivity at Santo Antonio Do Jacinto and Juquiá projects. The diversity of project types significantly broadens Enova's regional footprint and secures a strong position across a highly prospective mineral belt in Brazil.
- **Geological Potential for Multi-Metal Systems:** Projects are set within fertile orogenic belts for the potential not only REEs but also for associated high-value elements such as niobium, tantalum, and rare metals often linked with fractionated granite complexes. This positions Lithium Valley projects as high-potential greenfield targets for multi-commodity discovery.
- **Leveraging Brazilian Expertise and Experience:** Enova's strong in-country capabilities, underpinned by a skilled geology team and a proven exploration track record at CODA, Poços de Caldas, and East Salinas. This local expertise ensures efficient programme design, cost-effective execution, and rapid knowledge transfer across projects, creating strong foundations for unlocking value within Brazil's critical minerals sector.
- **Pathway to Discovery:** Enova applies systematic, staged exploration programs starting with regional geochemical sampling and geological mapping to generate first-pass data across the tenement. These results will guide subsequent geophysics and drilling, ensuring a disciplined and cost-effective pathway toward potential discovery.

Discovery of the East Salinas project and expansion of the CODA project provides confidence Enova is heading world-class REE and critical minerals portfolio, where strong in-country expertise is integrated with global technical knowledge to capture growth and enhance shareholder returns.