

## Colosseum to commence geochemistry and geophysics program targeting new breccia pipes and REE bearing fenites

**Dateline Resources Limited** (ASX: DTR, OTC: DTREF) (**Dateline** or **the Company**) is pleased to provide a comprehensive update on recent exploration results and upcoming programs at its 100%-owned Colosseum Gold and Rare Earth Element (**REE**) Project in California. Recent fieldwork and data reviews have significantly expanded the geological understanding of the Colosseum deposit.

### Highlights

- **Gravity Data Review:** Re-examination of existing 2023 gravity survey data, considering recent geochemical findings, confirms that gravity low anomalies coincide with known breccia pipes and newly discovered felsite outcrops around the Colosseum pits. This correlation strengthens the exploration model and target confidence.
- **Expanded Breccia Pipe System:** Geological mapping has identified new felsite dykes 200–900 m (656–2,952 ft) west and southwest of the historic open pits. This mapping supports an updated geological interpretation, suggesting the two known pipes are part of a larger cluster.
- **The presence of additional, intact gold-bearing breccia pipes beyond the mined areas is now considered highly prospective.**
- **Integrated Exploration Program:** A multi-pronged exploration program is being launched to “stack the evidence” from geology, geochemistry, and geophysics for drill targeting.
- **Claim wide geochemistry:** A grid-based soil and rock sampling program will commence in mid-June 2025, spanning approximately four weeks.
- **Claim wide geophysics:** The Company has engaged a geophysics firm to complete a magnetotelluric survey to aid in drillhole targeting.
- **Upcoming Drilling Plans:** The Company is finalizing the design of a dedicated rare earths drilling program and will subsequently factor in additional evidence collected from the geochemistry and geophysics program.

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### Capital Structure

ASX Code	DTR
OTC Code	DTREF
Shares on Issue	2.86B
Top 20 Shareholders	63.98%

### Board of Directors

<b>Mark Johnson AO</b> Non-Executive Chairman
<b>Stephen Baghdadi</b> Managing Director
<b>Greg Hall</b> Non-Executive Director
<b>Tony Ferguson</b> Non-Executive Director
<b>Bill Lannen</b> Non-Executive Director

### Colosseum Gold-REE Project\*

(100% DTR, California, USA)  
27.1Mt @ 1.26g/t Au for 1.1Moz Au  
Over 67% in Measured & Indicated  
Mineralisation open at depth  
Mining studies underway  
Rare earths potential with geology similar to nearby Mountain Pass mine  
\* ASX announcement 23 May 2025



## Geological Interpretation

The latest field observations and data reviews have refined Dateline's understanding of the Colosseum's geology. Notably, historically mined breccia pipes (beneath the North and South open pits) and newly identified felsite outcrops all lie within gravity low anomalies in the 2023 gravity survey. This finding is important as it confirms that the breccia pipe structures, which host the gold ore previously mined, have a distinct geophysical signature (gravity lows) that can be used to detect additional pipes that failed to reach the present day surface. This review of the 2023 gravity data (conducted in conjunction with recent geochemical results) has effectively validated gravity lows as a direct exploration tool at Colosseum. Each known breccia pipe corresponds to a gravity low, and importantly, the newly mapped felsite dykes west and southwest of the pits are also in gravity low zones (see Figure 1). This correlation suggests these dykes may mark the tops or edges of other breccia pipes or intrusions that were not previously recognised.

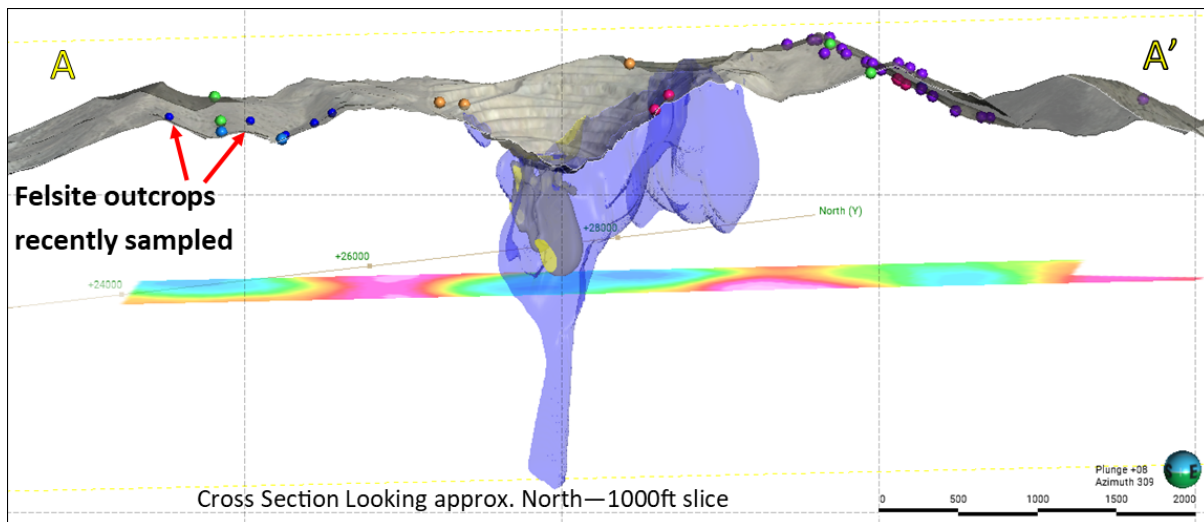


Figure 1: Cross-section A–A' (looking approximately north) showing the drilled Colosseum breccia pipe (blue volume) centered within a pronounced gravity low (light blue colour) and recently sampled felsite dykes (red arrows) to the west also sit in gravity lows.

Geological mapping and historic records indicate the Colosseum breccia pipes formed in connection with a felsic intrusive event. The felsite dykes that were recently sampled, 200–900m from the open pits, appear to follow an orthogonal fracture network and ring-dyke pattern consistent with an underlying intrusive centre.

In essence, the Colosseum deposit is now interpreted as a large, zoned breccia pipe complex. The two mined pipes may be just part of this complex, likely the most exposed and eroded tops of the system, while additional pipe structures could be preserved nearby. In the updated model, the breccia pipes are envisioned to cluster in a broader area around the intrusion, potentially extending at depth and along strike beyond the pit confines. These potential pipes could be “intact” gold-bearing breccia bodies that offer compelling targets for discovery of new gold mineral resources.

The identification of multiple coincident indicators, gravity lows, felsite intrusive dykes, and intrusion related gold system (**IRGS**) pathfinder geochemistry, provides a stacked evidence approach that can better define drill targets for both gold mineral resource growth and a potential delineation of a REE orebody within the Colosseum project area.

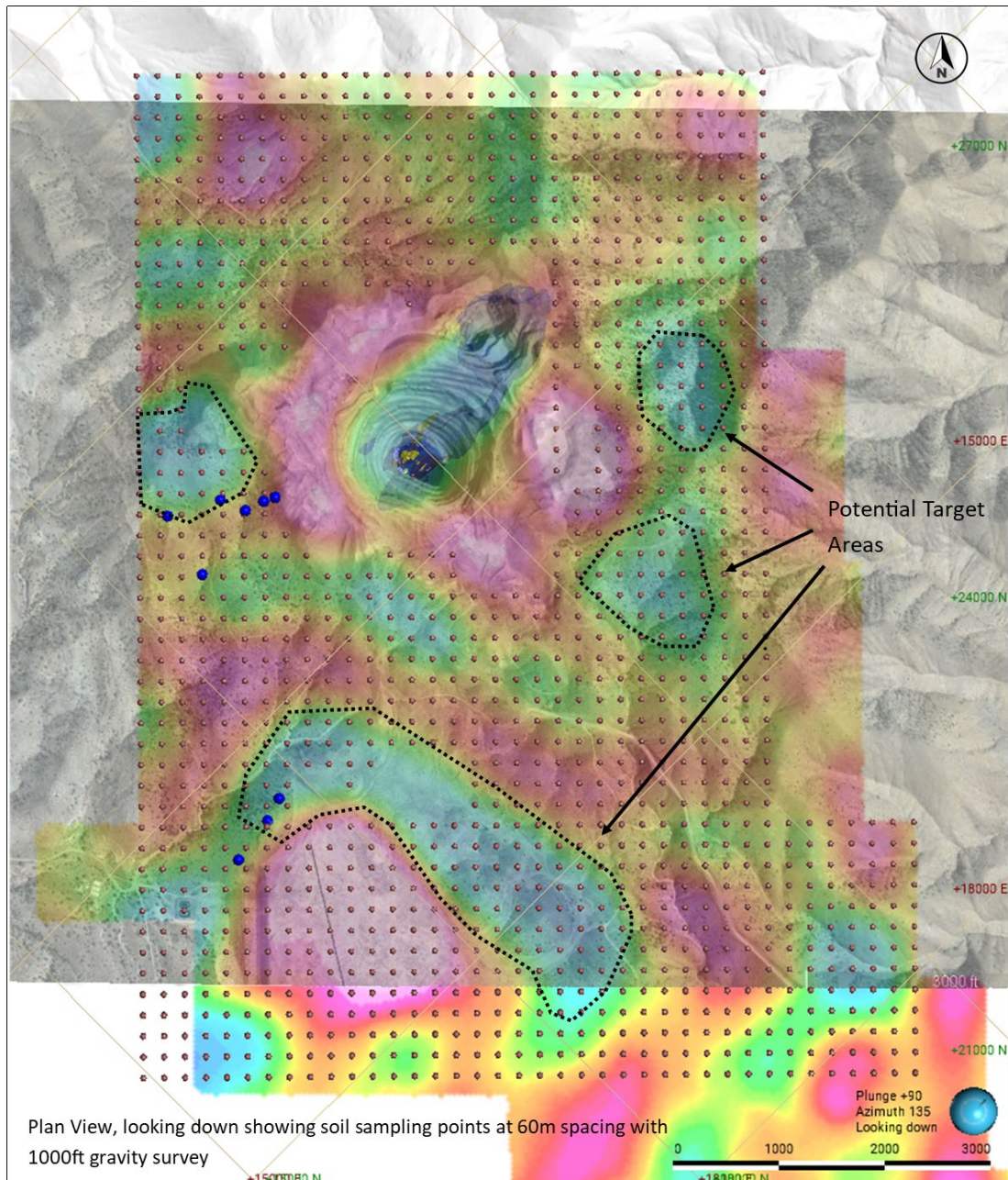


Figure 2: Plan view map showing gravity data overlaid with proposed soil sampling locations (purple dots at 60 m spacing). The mined North and South breccia pipes lie within a central gravity low (blue), while newly sampled felsite outcrops on the western margin also coincide with a gravity low. Two circular gravity lows to the east of the pits represent untested potential breccia pipe targets. The soil sampling program is designed to geochemically test all these features to support vectoring for both gold and REE mineralisation

## Exploration Program Details

Dateline is embarking on an aggressive field program at Colosseum over the coming weeks to advance both the gold and REE targets identified:

- **Soil Geochemical Survey:** In June 2025, the Company will commence a comprehensive soil sampling program across the broader Colosseum project area. This campaign is expected to run for approximately four weeks. Soil samples will be collected on systematic grids over prospective target zones (including around the new felsite outcrop areas and along projected structural trends). All samples will undergo multi-element analysis, including the full rare earth element suite, to detect geochemical anomalies for gold, REEs, and associated pathfinders. The soil survey is designed to delineate near-surface dispersion halos or leakage anomalies that could indicate buried mineralization. Results from this program will be used to generate geochemical maps and prioritize areas where gold or REE mineral potential is highest.
- **Magnetotelluric (MT) Survey:** In late June, a project-wide MT geophysical survey will commence, running concurrently with the latter part of the soil sampling program. The MT survey (a passive electromagnetic technique) will collect data along multiple lines spanning the claims to image the electrical resistivity and conductivity of the subsurface to significant depths. This method is particularly useful for outlining large-scale structures, alteration zones, and potential carbonatite (REE) bodies or fluid pathways that might not be evident from gravity alone. The combination of gravity (density), MT (conductivity), and geochemistry will allow Dateline to integrate three independent datasets in the drill targeting model.
- **Data Integration and Targeting:** As the new data are acquired, the Company's technical team will continuously integrate the results. "Stacking the evidence", correlating gravity lows with geochemical anomalies and MT signatures, will refine the understanding of subsurface geology. On completion, Dateline expects to have a much clearer picture of key target zones where all lines of evidence converge. These will form the basis of high-priority drill targets and may influence the REE drill plans that are currently nearing completion.
- **Drilling Program (Upcoming):** Dateline is finalizing plans for a maiden REE drilling program to test the highest-priority REE targets at Colosseum. This program will target the most compelling REE prospects, such as the depth extensions of REE-bearing fenite/trachyte dykes and coincident gravity-MT anomalies that may represent carbonatite intrusions. At the same time, several drillholes will be designed to probe for gold extensions of the known breccia pipes and any newly indicated breccia bodies identified by the recent work. The drilling is intended to confirm the presence of mineralization (gold and/or REEs) in these target zones and to begin defining the scale and grade of any new discoveries. The drill program details (targets, number of holes, depths) are being finalized with input from Dateline's expert consultants, including renowned REE geologists Drs. Tony Mariano and Tony Mariano Jr.

This announcement has been authorised for release on ASX by the Company's Board of Directors.

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## About Dateline Resources Limited

Dateline Resources Limited (ASX: DTR, OTC: DTREF) is an Australian company focused on mining and exploration in North America. The Company owns 100% of the Colosseum Gold-REE Project in California.

The Colosseum Gold Mine is located in the Walker Lane Trend in East San Bernardino County, California. On 6 June 2024, the Company announced to the ASX that the Colosseum Gold mine has a JORC-2012 compliant Mineral Resource estimate of 27.1Mt @ 1.26g/t Au for 1.1Moz. Of the total Mineral Resource, 455koz @ 1.47/t Au (41%) are classified as Measured, 281koz @ 1.21g/t Au (26%) as Indicated and 364koz @ 1.10g/t Au (33%) as Inferred.

On 23 May 2025, Dateline announced that updated economics for the Colosseum Gold Project generated an NPV<sub>6.5</sub> of US\$550 million and an IRR of 61% using a gold price of US\$2,900/oz.

The Colosseum is located less than 10km north of the Mountain Rare Earth mine. Planning has commenced on drill testing the REE potential at Colosseum.

## Forward-Looking Statements

This announcement may contain "forward-looking statements" concerning Dateline Resources that are subject to risks and uncertainties. Generally, the words "will", "may", "should", "continue", "believes", "expects", "intends", "anticipates" or similar expressions identify forward-looking statements. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those expressed in the forward-looking statements. Many of these risks and uncertainties relate to factors that are beyond Dateline Resources' ability to control or estimate precisely, such as future market conditions, changes in regulatory environment and the behaviour of other market participants. Dateline Resources cannot give any assurance that such forward-looking statements will prove to have been correct. The reader is cautioned not to place undue reliance on these forward-looking statements. Dateline Resources assumes no obligation and does not undertake any obligation to update or revise publicly any of the forward-looking statements set out herein, whether as a result of new information, future events or otherwise, except to the extent legally required.

## Competent Person Statement

Sample preparation and any exploration information in this announcement is based upon work reviewed by Mr Greg Hall who is a Chartered Professional of the Australasian Institute of Mining and Metallurgy (CP-IMM). Mr Hall has sufficient experience that is relevant to the style of mineralization 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 Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Mr Hall is a Non-Executive Director of Dateline Resources Limited and consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.