

**DATeline RESOURCES
LIMITED**

(ACN 149 105 653)
ASX Code: DTR

CAPITAL STRUCTURE

Share Price (16/08/22) \$0.125
Shares on issue 491.5 million
Market Cap \$61.4 million

MAJOR SHAREHOLDERS

Mr. Mark Johnson AO	19.45%
Southern Cross Exploration NL	19.33%
HSBC Custody Nominees	10.76%
Stephen Baghdadi	5.25%

**DIRECTORS &
MANAGEMENT**

Mark Johnson AO
Chairman

Stephen Baghdadi
Managing Director

Greg Hall
Non-Executive Director

Tony Ferguson
Non-Executive Director

Bill Lannen
Non-Executive Director

Mark Ohlsson
Company Secretary

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COLOSSEUM GRAVITY SURVEY REVEALS MULTIPLE RARE EARTH DRILL TARGETS

Highlights

- Gravity survey has revealed a gravity high approximately 1km from the Colosseum open pit
- The dense unit has been identified over a 2,000m strike and varies in width between 200m and 450m
- Density range achieved in the unconstrained 3D inversion is similar to the mineralized carbonatite at the nearby Mountain Pass Rare Earth Mine
- The location of the dense unit is adjacent and parallel to the USGS Thorium anomaly that prompted the REE search
- Estimated depth of target is 150-250metres below the surface
- Potential to develop underground access to the target from the base of the Colosseum open pit mine
- Planning to commence drill testing of the targets underway

Dateline Resources (ASX:DTR)(Dateline or the Company) is pleased to announce that the Company's geophysics consultant has undertaken an interpretation of a ground gravity survey that was completed over the Colosseum claims.

The interpretation has defined a relatively dense unit that strikes north-northwest through the Colosseum Project. The geophysics consultant believes that this dense unit occurs at a depth of ~150-250m below the surface.

Initial attempts at 3D unconstrained inversion modelling of the Colosseum gravity data show the gravity high and others within the claim block can be fit with sources in the range of 3g/cm³.

This assessment correlates with the mapping and sampling undertaken by the Company's rare earth experts, Anthony Mariano PhD and Tony Mariano Jnr, who have identified outcropping fenite and trachyte dykes, which they believe are proximal to a carbonatite source.

Dateline's Managing Director, Stephen Baghdadi, commented:

"The gravity data confirms there are several areas of interest and there exists the potential for more than one carbonatite dyke within the claim boundary.

"The first zone targeted for drilling is ~2km in strike and trends NNW. The target is parallel to a thorium signature on the west and mantle derived rocks on the east.

"Other targets are north of the pit and are immediately adjacent to fenitised outcrops.

This is a very encouraging result"

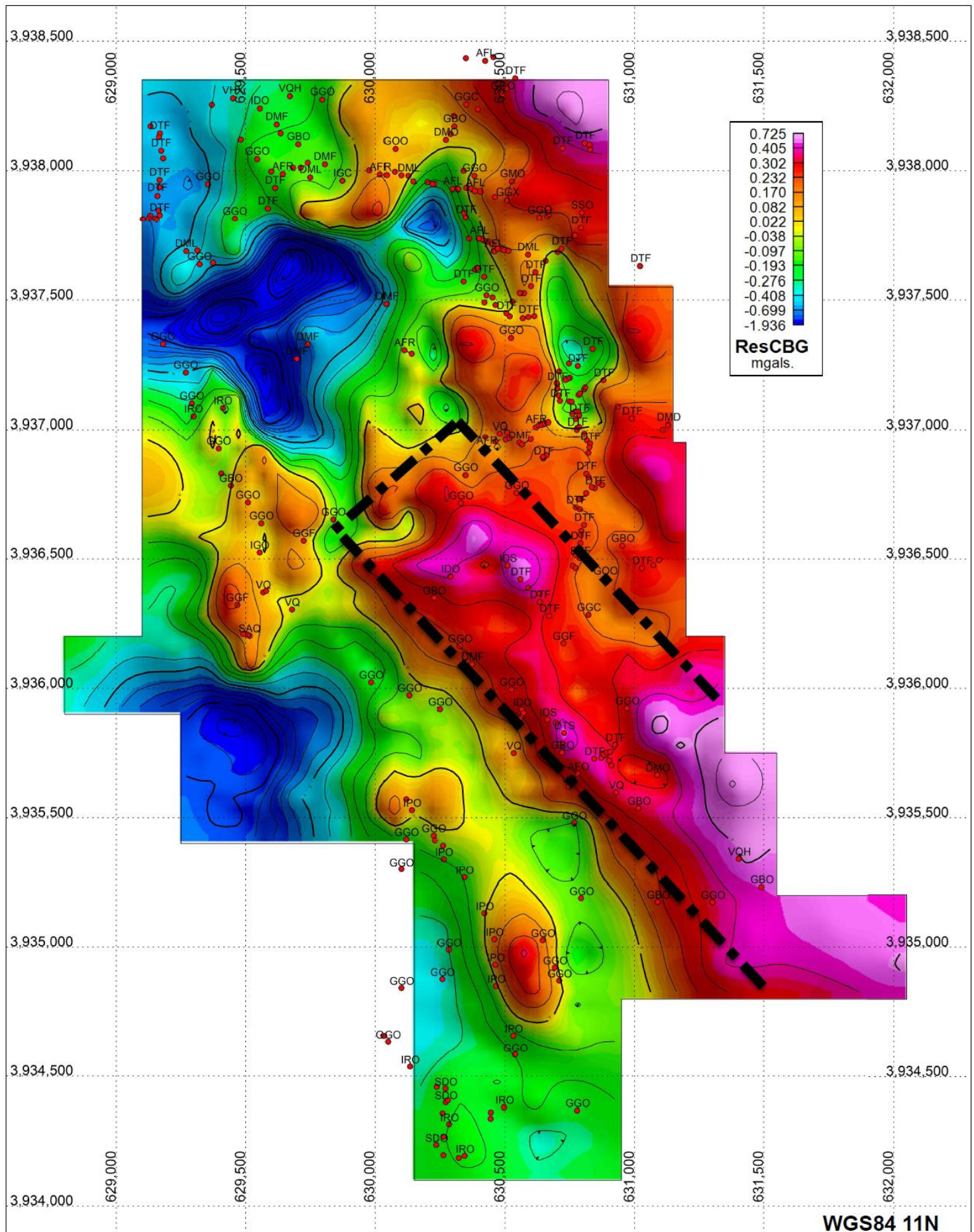


Figure 1: Residual Complete Bouguer Gravity Contours at 0.1 mgals. Initial target is outlined in black

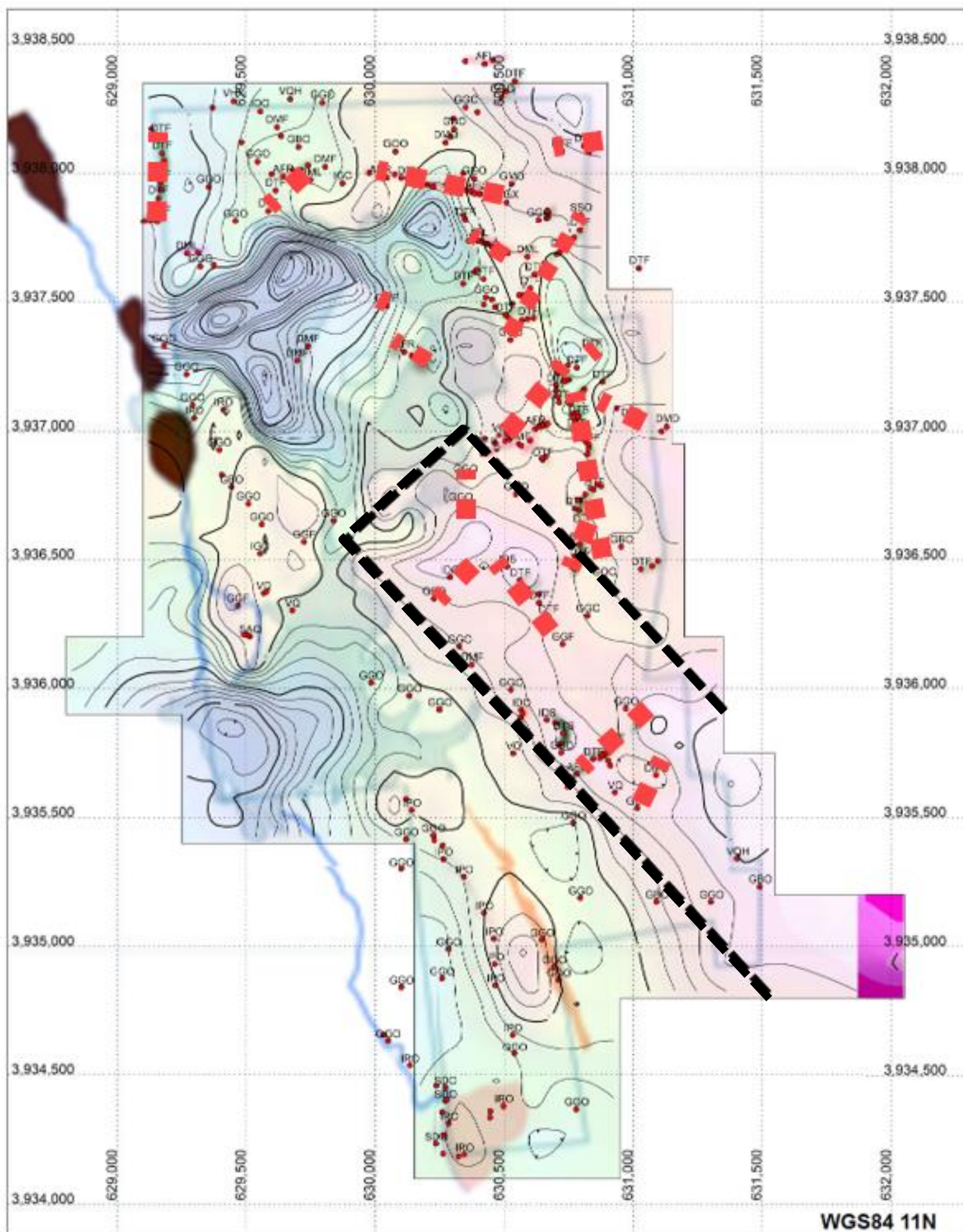


Figure 2: Bouguer Gravity Contours overlain over geological mapping. The red dots represent mantle derived trachytes and fenitised rocks mapped at surface. Initial target area in black. Blue dots represent the mantle derived rocks mapped at surface

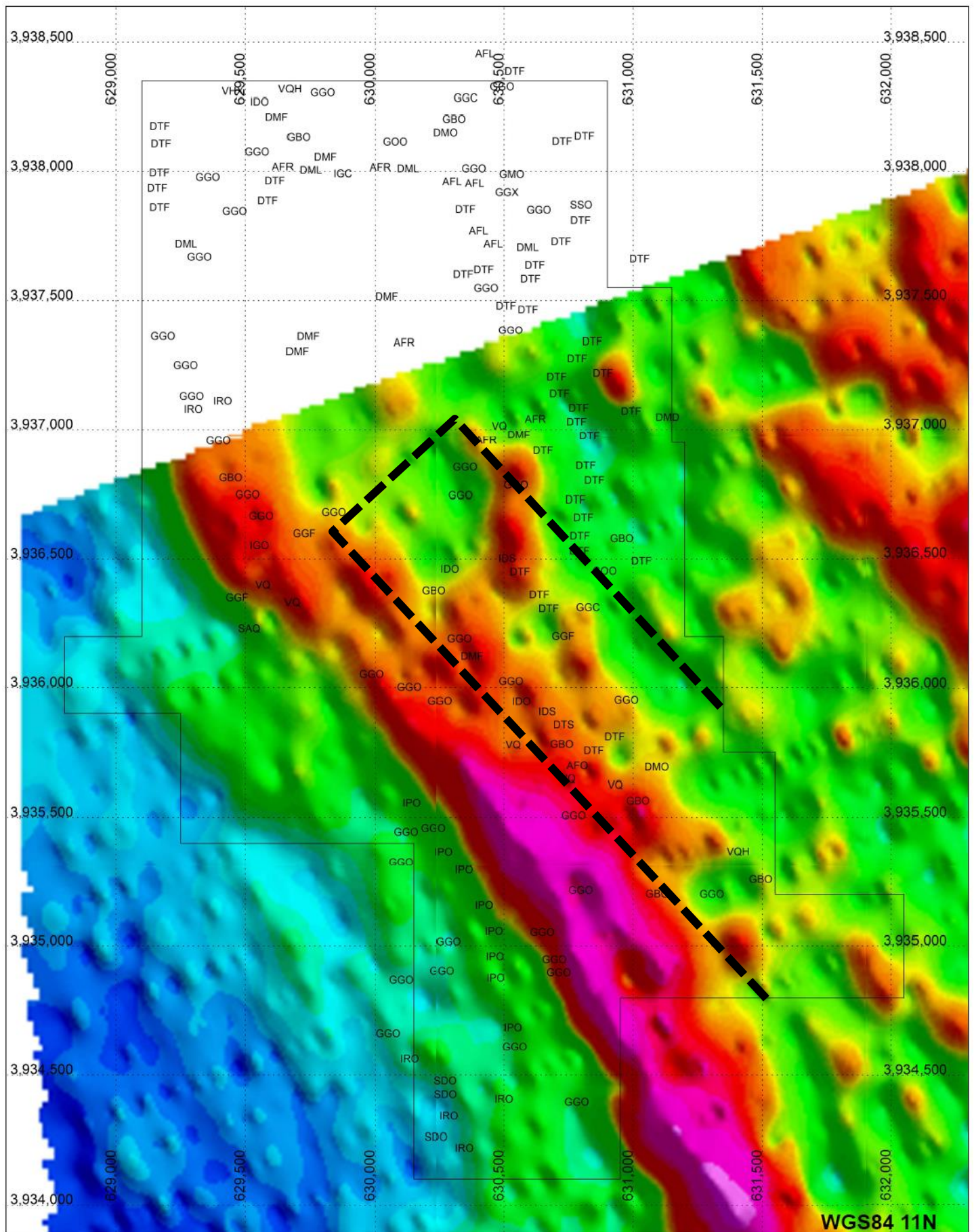


Figure 3: USGS map shows Thorium anomaly coincident with gravity high within the Colosseum claim boundary. Initial target area in black.

Gravity Survey Detail

The gravity survey was undertaken utilising LaCoste and Romberg Model-G and Scintrex CG-5 Autograv gravity meters. The data was collected on approximately 100 metre spacing, with 564 new gravity stations established. Four existing data stations were used for calibration. The data was merged with 887 public domain USGS stations. Figure 4 shows the location of the data collection stations. The gravity data was processed by Magee Geophysical Services LLC and had a terrain correction applied. The gravity data was processed to complete Bouguer anomaly (CBA) over a range of densities from 2.00 g/cm³ through 3.00 g/cm³ at steps of 0.05 g/cm³ using standard procedures and formulas.

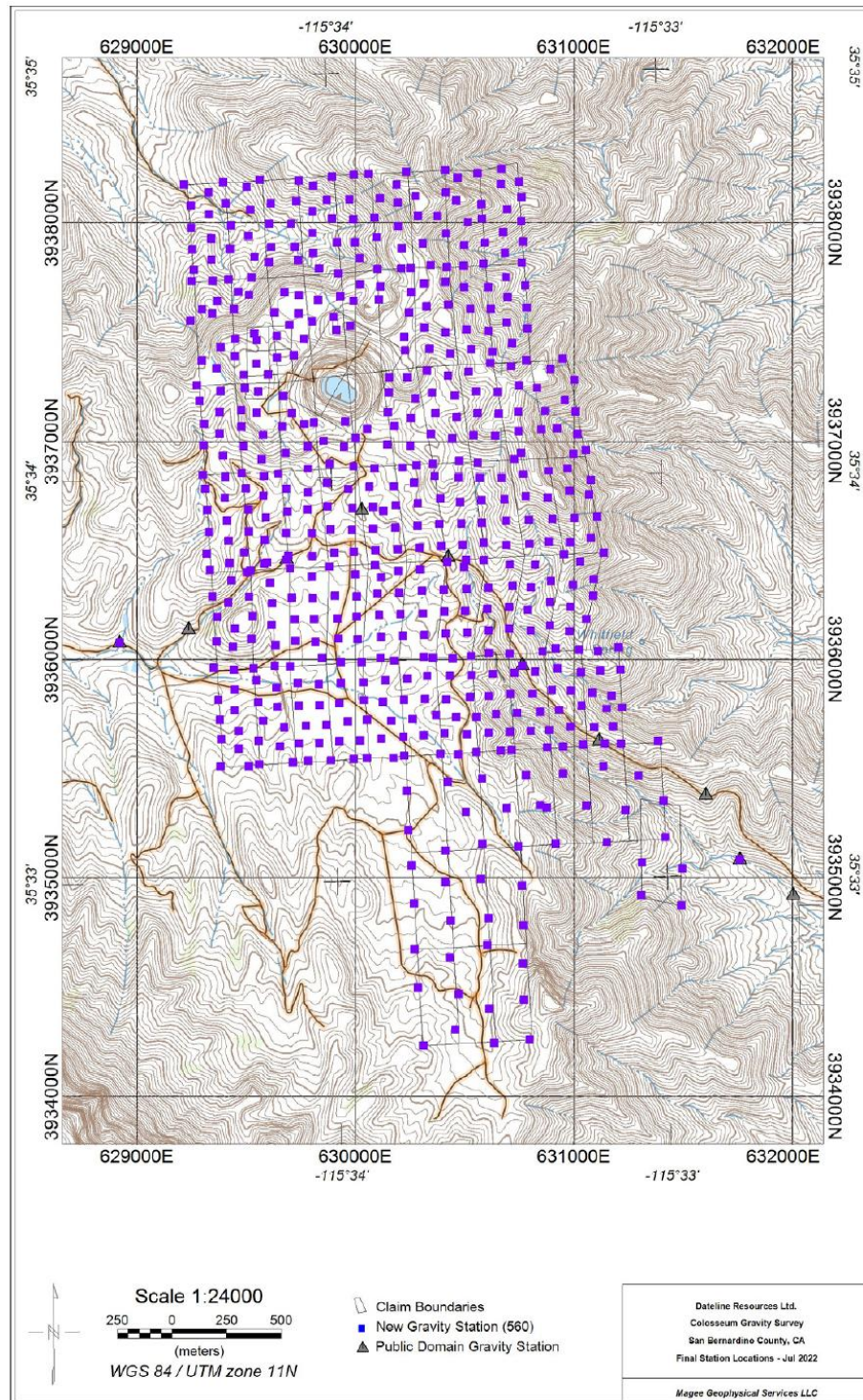


Figure 4: Map of surveyed station locations for the Colosseum gravity survey. Purple squares: this survey. Gray triangles: public domain. Co-ordinates in WGS84 UTM 11N metres

Commentary and Next Steps

The gravity survey was undertaken to vector exploration into the areas with the highest potential for success. The survey has defined several dense units that potentially could represent a carbonatite dyke that does not outcrop.

The size of the body is significant, particularly when compared to the size of the carbonatite at Mountain Pass, which is understood to measure 750metres by 150metres.

The next phase of exploration will be the development of an initial drilling campaign to fully assess the strike extent of the dense unit to determine if it is a rare earth bearing carbonatite. The program will test the full extent of the gravity highs

The Company's geologists are developing a comprehensive drill program. This will be the first systematic exploration program across the claims in more than 25 years.

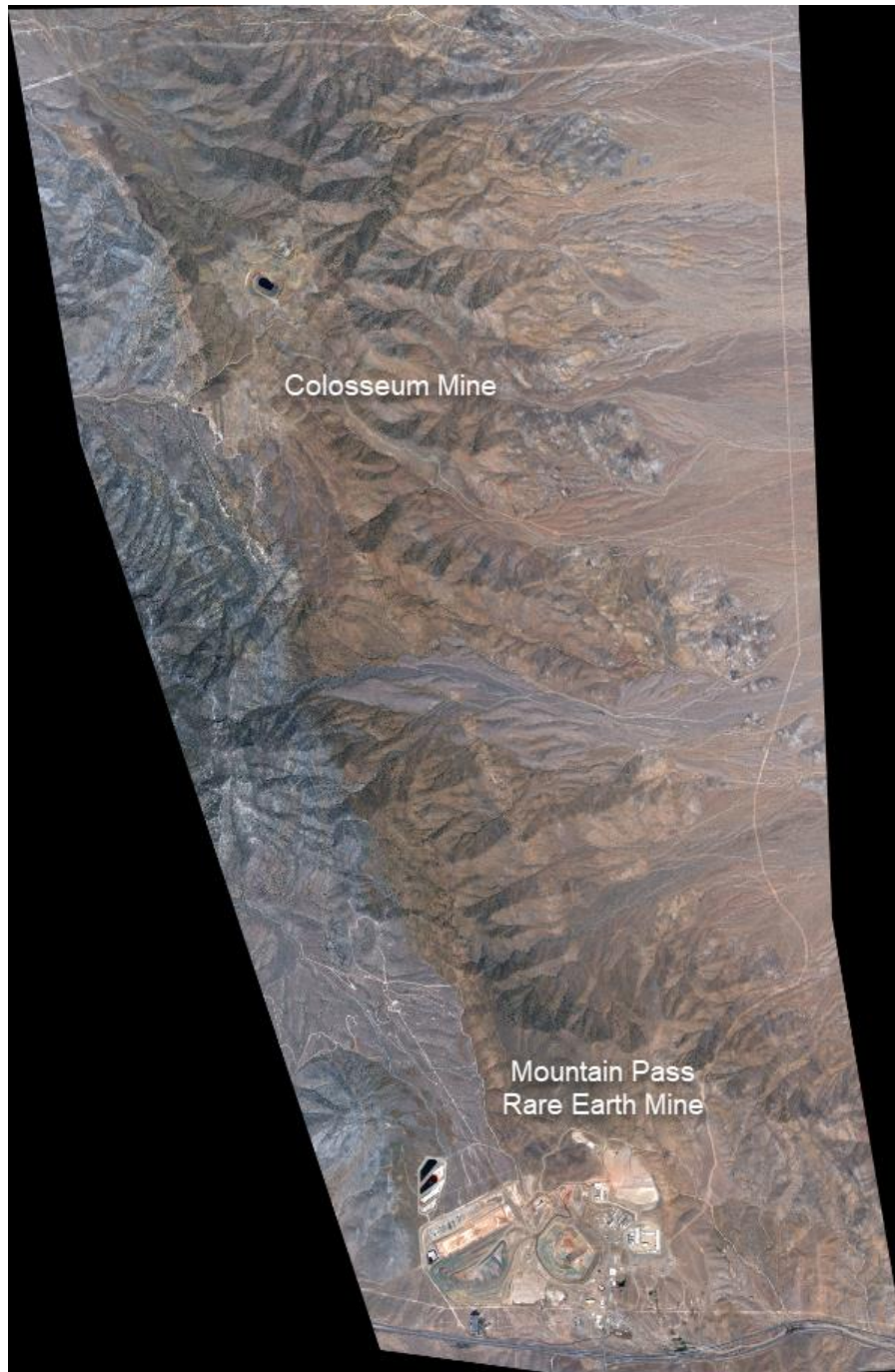


Figure5: PhotoSat image showing location of the Mountain Pass rare earth mine and the Colosseum project. The Mountain Pass mine sits at the contact point between the darker coloured sediments on the west and the granites on the east

Authorised by the Dateline Board.

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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 mineralisation 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.

About Dateline Resources Limited

Dateline Resources Limited (ASX: DTR) is an Australian publicly listed company focused on gold mining and exploration in North America. The Company has assets in Colorado and California

The Colosseum project in California is located less than 10km north of the Mountain Rare Earth mine. The Mountain Pass rare earth mine is the richest rare earth mine in the world and is the only operating rare earth mine in the USA. Work has commenced on identifying the source of the mantle derived rocks that are located at the Colosseum and are associated with carbonatites that host the Rare Earths.

The Colosseum Gold Mine is located in the Walker Lane Trend in East San Bernardino County, California and was mined for gold by Bond International Gold and LAC Minerals between 1988 and 1993. On July 6, 2022, Dateline announced to the ASX that the Colosseum Gold mine has a JORC-2012 compliant Mineral Resource estimate of 20.9Mt @ 1.2g/t Au for 813,000oz. Of the total Mineral Resource, 258koz @ 1.2g/t Au (32%) are classified as Measured, 322koz @1.2g/t Au (39%) as Indicated and 235koz @1.3g/t Au (29%) as Inferred.

Dateline also owns the high-grade Gold Links mine in Colorado and commenced production of gold concentrate in the June quarter of 2022.