

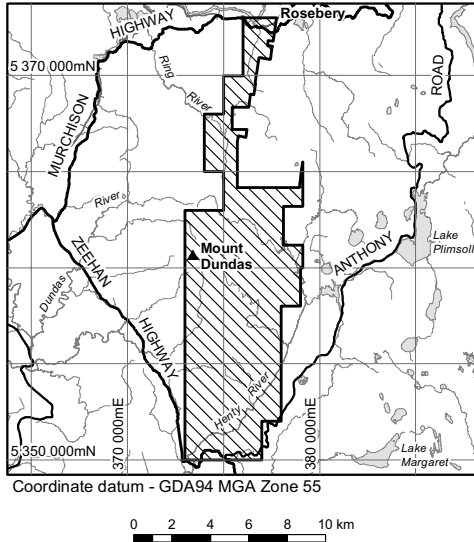
MRT NEWS

The Monthly Newsletter of Mineral Resources Tasmania



Recommendation to Grant EL2/2020 - Mount Dundas

The Director of Mines intends to recommend to the Minister for Resources that they grant the following exploration licence:



Reference No: EL2/2020

Area: 84km²

Vicinity: Mount Dundas ([click here for a detailed map](#))

Category of Mineral: Category 1 - Metallic Minerals, Atomic Substances

Applicant: Gillies Resources Pty Ltd

Address: PO Box 3235 Norwood SA 5067.

The application excludes existing mining leases, National Parks and reserved or other lands exempted from the *Mineral Resources Development Act 1995*.

If the licence is granted, consent is required from Mineral Resources Tasmania prior to any exploration activity taking place. An explorer must provide 14 days notice prior to accessing private land. Security deposits are held against each licence in the event that the explorer fails to meet their rehabilitation obligations. Comments on the application may be lodged with the Registrar of Mines (PO Box 672, Burnie, TAS 7320).

Any person holding a mineral tenement, or claiming an estate or interest in respect of any land within an application area may [lodge a formal objection](#) to the granting of that application. Each objection must be in writing and lodged with the Registrar of Mines prior to 22 August 2020. The objection form must be accompanied by the prescribed fee of \$45.36.

For further information in relation to the application, including the effect on private land within an application area, please phone the Registrar of Mines on (03) 6477 7097. Calling the Registrar prior to lodging an objection is recommended in order for the process,

Publication in *Interpretation* - 3D geophysical modeling of the Alberton-Mathinna section of the "Main Slide," northeast Tasmania

Authors: Daniel Bombardieri, Mark Duffett, Andrew McNeill, Mike Vicary, and Rod Paterson

Mineral Resources Tasmania (MRT) has developed a high resolution 3D model of the Alberton-Mathinna "Gold Corridor" northeast Tasmania. The geological model expresses a new structural synthesis based on mapping and multiple cross sections by MRT staff.

The model is constrained by 3D geophysical modelling using MRT's gravity and magnetic survey data coupled with drilling and rock physical property databases. Statistically generated sensitivity characterisation is incorporated into 3D model products as a step towards estimating confidence in the spatial variability of geological objects at depth. Joint inversion results show that calculated gravity and magnetic responses are in good agreement with observations.

A product of statistical sensitivity modelling is a new granitoid surface, which is significantly more detailed when compared to previous versions. This fusion of geological and geophysical information with measures of model sensitivity is a significantly more sophisticated addition to MRT's suite of public pre-competitive geoscience products, with the aim of further reducing exploration risk.

[Request a copy from the author](#)

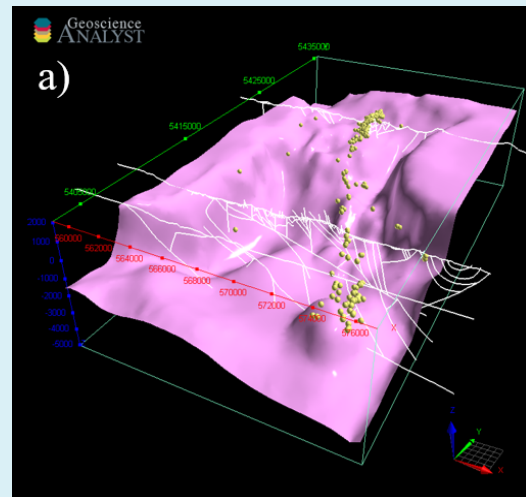


Figure: The 2018 granitoid surface with sections and orogenic gold deposits shown (the gold spheres). This new surface is an amalgamation of granite, quartz monzonite, and granodiorite plutons within the study area. The surface is an interpolated surface of the most probable granitoid model from GeoModeller statistical metrics. The unidentified magnetic unit that could be magnetic granodiorite was not included due to similar property contrasts with the magnetic Mathinna Supergroup.

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