



Image is derived from non-active Mineral Exploration Licence data sourced from:  
 The Department of State Development, the Government of South Australia, Geoscientific Data, on 28 May 2016,  
[http://www.minerals.statedevelopment.sa.gov.au/geological\\_survey\\_of\\_sa/data](http://www.minerals.statedevelopment.sa.gov.au/geological_survey_of_sa/data) under Creative Commons Attribution 3.0

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## THEMATIC MAPPING

### Highlighting the invisible

Each state and territory is required to manage its mineral and energy exploration tenements as per the legislative requirements of its own jurisdiction. Over time, land may have several mineral tenements held by companies looking for commodities which form a 'stack' of tenements over the land which the image above makes visible.

Blue areas show land that has low levels of historical mineral tenement activity, and red areas indicate land for which multiple mineral tenements have existed over time.

Each state and territory in Australia hold confidential exploration reporting and information from industry during the life of the tenements, and release to the public once a tenement is ceased or partially released.

For South Australia, refer to SARIG <https://sarig.pir.sa.gov.au/Map>  
 For the Northern Territory, refer to STRIKE <http://strike.nt.gov.au/>



*When space, time and context matter.*

## MARMEL ENTERPRISES

### CASE STUDY No. 3 - SA Mineral Tenements Heat-map

#### THE BRIEF:

Marmel Enterprises has refined a process of indicating levels of mineral exploration based on the historical mineral exploration tenements.

While the technique does not indicate where mineral resources are – geological knowledge and skillsets are needed for that – it does indicate 'hotspots' where multiple other organisations have held tenements in the past, and indicate areas that may warrant further investigation.

The image above has been derived from data obtained from South Australia's SARIG application, but the process can be applied to other jurisdictions.

#### MARMEL ENTERPRISES

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