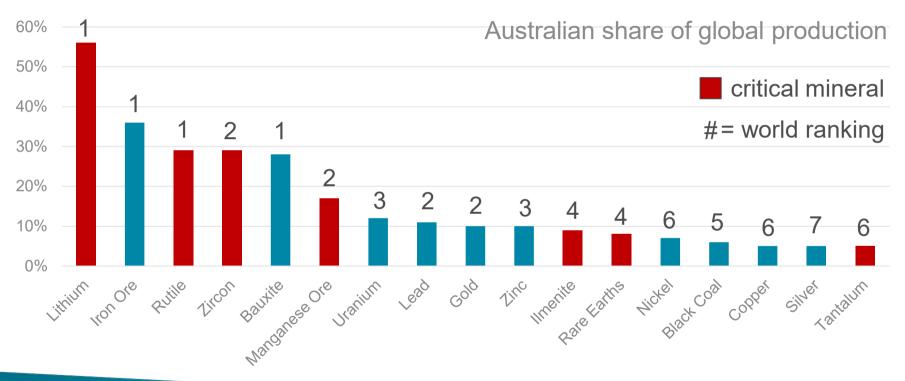


Critical Minerals @ Geoscience Australia

Maximising critical mineral opportunities to meet global demand

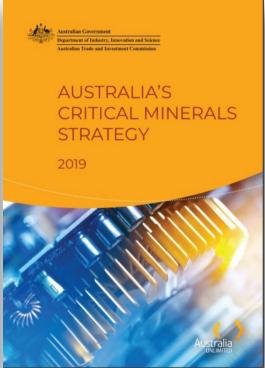
Dr Andrew Heap | Chief Minerals, Energy and Groundwater Division

Australia's resources matter to the world



Australian Government critical minerals priorities







Geoscience Australia's role in critical minerals

Building Australia's resources wealth

Supporting Australia's community safety

Securing Australia's water resources

Managing Australia's marine jurisdictions Creating a locationenabled Australia

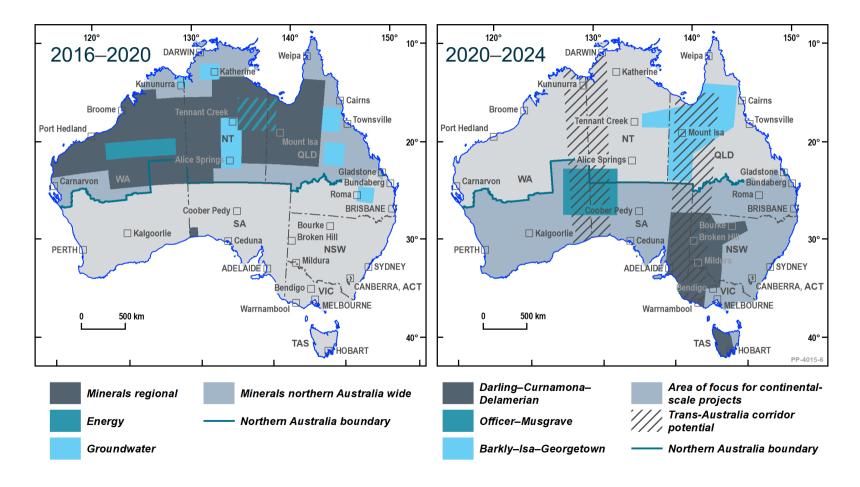
Enabling an informed Australia

Geoscience Australia Strategy 2028

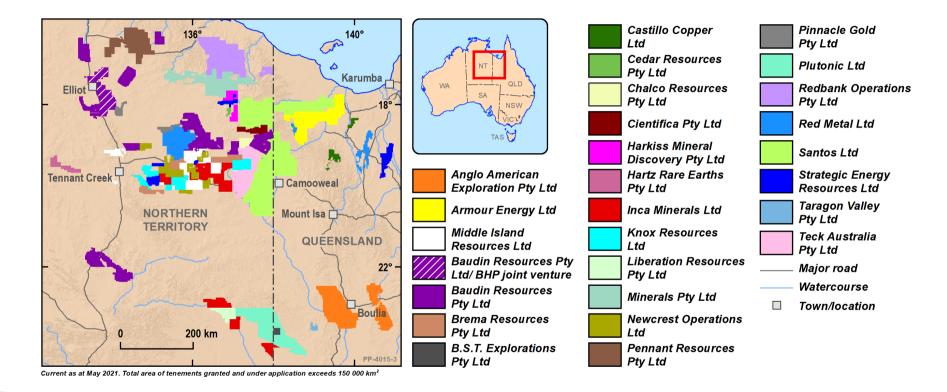
We will stimulate mineral exploration investment, including critical minerals, to open up new producing provinces with mineral endowment worth over AU\$100b.

We will provide geoscience information to support new mineral and energy exploration technologies, and drive new discoveries.

AU\$225m Exploring for the Future program



Tenement uptake from the Exploring for the Future program



Mineral Potential Mapper – Assessment of Ni-Cu-PGE mineral potential



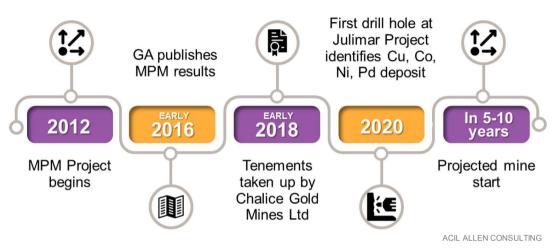
Exploring for the Future

https://portal.ga.gov.au/persona/eftf





Julimar Discovery – Independent Assessment





Expenditure (4 years) (2018 AU\$)		Net benefit for every AU\$ spent by Geoscience Australia (if Julimar prospect becomes a mine)	
GA	Partners	Australia	Australian Government
\$1.6m	-	\$160 – \$525	\$49 – \$157

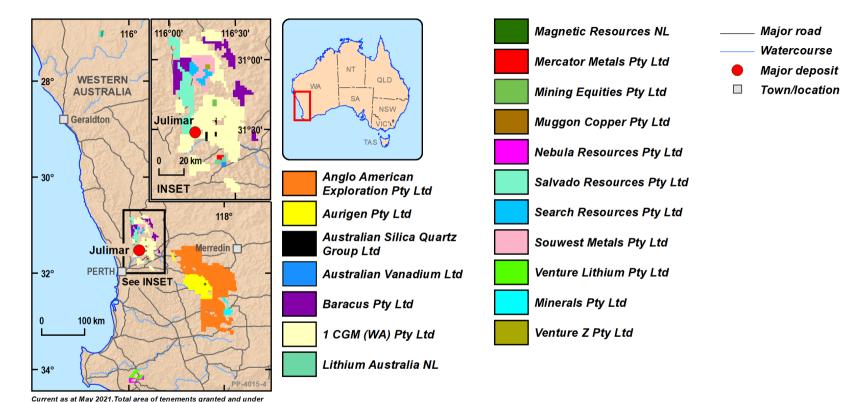




>2,000% Total Shareholder Return since January 2020

chalicemining.com

Julimar – Unlocking a new mineral province in SW Australia

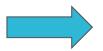


application exceeds 15 000 km2

Critical Minerals Mapping Initiative



Standardised ore deposit classification



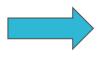


Improved predictive power of geoscience datasets

Exploring for the Future



International critical minerals in ores dataset





Identifying new opportunities for critical mineral supply and target follow-up sampling



Mineral potential mapping





Refinement of prospectivity mapping



Thank You

Phone: +61 2 6249 9111

Web: www.ga.gov.au

Email: feedback@ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Postal Address: GPO Box 378, Canberra ACT 2601