

AusAEM20-WA project

by

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AusAEM20 is a collaborative national goal of the Commonwealth, State and Territory geological survey agencies to acquire airborne electromagnetic (AEM) data at 20 km or closer line spacing across the Australian continent. It is a successor to the 2017–20 Geoscience Australia Exploring for the Future (EFTF) AusAEM project, which, on completion, will have covered a substantial part of northern Australia.

The AusAEM20-WA project, as the Western Australian agreement is referred to, will complete the 20 km line spacing AEM coverage of those parts of Western Australia that were not surveyed during Year 2 of EFTF AusAEM (Fig. 1).

It is anticipated that acquisition of the 65 000 km of data that will be needed for this coverage will take place over the next two to three years.

Geoscience Australia's EFTF AusAEM surveys have demonstrated that, even at 20 km line spacing, AEM data are coherent at very broad reconnaissance scales and may be used:

- to determine trends in regolith thickness
- to map regional variations in bedrock conductivity, within the depth of penetration of the system
- to set context for and guide mineral exploration project generation by industry
- to improve targeting for water resources definition
- as input for other land use applications in other industry sectors and land use agencies.

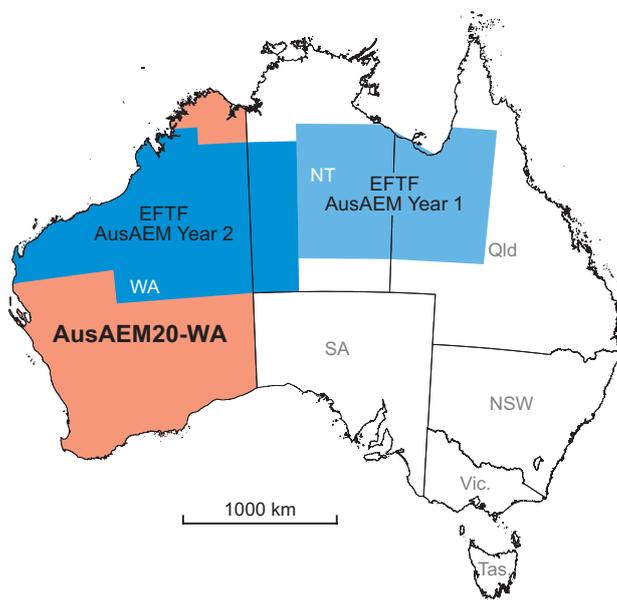


Figure 1. Location of AusAEM20-WA survey areas