

CSIRO-NTGS McArthur Basin Project: Analysis and interpretation of historical AEM data sets

ANZLIC Identifier:

Title:	CSIRO-NTGS McArthur Basin Project: Analysis and interpretation of historical AEM data sets
Custodian:	Northern Territory Geological Survey (NTGS) Department of Industry, Tourism and Trade
Abstract:	<p>The southern McArthur Basin hosts the McArthur River and Teena Zn-Pb-Ag deposits and is highly prospective for base metals. This project collated open source AEM data sets within the Southern McArthur Basin, documented system characteristics and modelled these data to produce maps of subsurface conductivity. This Digital Information Package presents results including:</p> <ul style="list-style-type: none">• Individual survey locations in GIS format• Quality controlled AEM data• AEM system characteristics• Transformations of AEM data to CDI products using EMFlow• Full non-linear inversion of selected AEM data sets
Search Word(s):	Northern Territory, southern McArthur Basin, Barney Creek Formation, AEM, EMFlow, GALEI, geophysical inversion
Bounding Coordinates (GDA94 MGA zone 53):	North bounding coordinate: 8 370 000 South bounding coordinate: 7 980 000 East bounding coordinate: 840 000 West bounding coordinate: 490 000
Reference System Information:	All files are supplied in Geocentric Datum of Australia (GDA94) Map Grid of Australia zone 53 projected co-ordinates [EPSG: 28353].
Data Currency Start Date:	1992
Data Currency End Date:	June 2021
Progress:	Complete
Maintenance and Update Frequency:	As required

Access Constraint:

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Lineage:

Input datasets and processing are outlined in the accompanying report: Mulè SG et al. (2021) CSIRO NTGS McArthur Basin Project: Analysis and interpretation of historical AEM datasets. *CSIRO, Australia. Report EP207524.*

Positional Accuracy:

Input data are of varying age and quality. Further detail is provided in the accompanying report.

Attribute Accuracy:

Attribute accuracy is high, accurately reflecting the input data.

Logical Consistency: Data is logically consistent within the scope of the project.

Completeness: Data is complete within the scope of this project.

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