

Northern Territory SEEBASE[®] and GIS

Title:	Northern Territory SEEBASE [®] and GIS
Custodian:	Northern Territory Geological Survey (NTGS) Department of Industry, Tourism and Trade
Abstract:	<p>The Northern Territory SEEBASE[®] is a regional map and grid of the depth to economic basement for petroleum systems. The SEEBASE[®] maps the basin shape and depth by mapping major basement structures and the base of the sedimentary structures. This study was undertaken by Geognostics Australia Pty Ltd on behalf of NTGS and includes contributions of past work by Santos Limited and Pangaea Resources Limited. Proprietary seismic data was also made available for the study by Empire Energy and Sweetpea Petroleum.</p> <p>The Northern Territory SEEBASE[®] and GIS presents datasets and interpretative results including:</p> <ul style="list-style-type: none">• SEEBASE[®] depth-to-basement grid and image with interpretation confidence and comments• basement terranes with updated boundaries and tectonic definition• processed and enhanced potential field datasets• major structural boundaries• basement composition• tectonic events• crustal scale gravity models and magnetic depth modelling• basement derived heat flow analysis• total sediment thickness (SEEBASE[®] derivative)• depth-to-Moho• basement thickness (SEEBASE[®] derivative)
Search Word(s):	SEEBASE [®] , Northern Territory, geoscientific information, geological interpretation.
Bounding Coordinates (GDA94):	North bounding coordinate: -11 South bounding coordinate: -26 East bounding coordinate: 138 West bounding coordinate: 129
Reference System Information:	The dataset is supplied in Geocentric Datum of Australia (GDA94), latitude and longitude [EPSG: 4283]
Data Currency Start Date:	11/01/2021
Data Currency End Date:	11/01/2021
Progress:	Complete
Maintenance and Update Frequency:	Not planned

Access Constraint:



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Lineage:

Input datasets and processing are outlined in the accompanying report.

Release was updated 29/01/2021.

Positional Accuracy:

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

Attribute Accuracy:

Attribution accuracy is high, accurately reflecting the input data.

Logical Consistency:

Data is logically consistent for the purposes of the Northern Territory SEEBASE® and GIS.

Completeness:

The data is complete within the scope of the project.

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Metadata Date:

29/01/21