

3D data compilation of the Birrindudu Basin, Northern Territory. DIP 043 Metadata

Citation	
ANZLIC identifier:	N/A
Title:	3D data compilation of the Birrindudu Basin, Northern Territory
Citation Date:	02/09/2024
Custodian:	Northern Territory Geological Survey (NTGS) Department of Industry, Tourism and Trade
Description	
Abstract:	NTGS has built a three-dimensional data compilation of the Birrindudu Basin area. The compilation includes a large variety of open-file geoscientific datasets, with some pre-published interpretive elements. The data compilation is made available as an NTGS Digital Information Product (DIP), comprising 1D, 2D, and 3D digital data. The 1D data encompasses all the downhole datasets, the 2D data includes the GIS spatial datasets, and the 3D data includes the Geoscience ANALYST 3D project and associated data objects. The 2D GIS data and 3D Geoscience ANALYST project are referenced in GDA94 Zone 52.
ANZLIC Search Words:	Boundaries Elevation geoscientificInformation imageryBaseMapsEarthCover
Other Comments	Search Word(s): Geoscience ANALYST, geoscientific information, GIS, SEEBASE, seismic, geophysics
Spatial Domain	
Reference System Information	This dataset is supplied in Geocentric Datum of Australia (GDA94) Horizontal Datum: Map Grid of Australia Zone 52 (EPSG: 28352) Vertical Datum: Australian Height Datum (AHD)
Bounding Coordinates (GDA94)	North Bounding Coordinate: -13°S South Bounding Coordinate: -20°S East Bounding Coordinate: 129°E West Bounding Coordinate: 133.5°E
Dataset Status	
Data Currency Start Date:	September 2023
Data Currency End Date:	August 2024
Progress:	In progress
Maintenance and Update Frequency:	As required
Access Constraint:	With the exception of the Northern Territory of Australia logo, other Government and corporate logos, and where otherwise noted, all material in this publication is provided under a Creative Commons Attribution 4.0 International licence (https://creativecommons.org/licenses/by/4.0/legalcode). You are free to re-use the work under the licence, on the condition that you attribute the Northern Territory of Australia (Northern Territory Geological Survey) and comply with the other licence terms. <i>Disclaimer:</i> The Northern Territory of Australia has exercised due care and skill in preparing and compiling the information and data in this publication. While all care has been taken to ensure that the information contained in this publication is true and correct at the time of publication, it is not intended to be relied on as a comprehensive representation of technical or scientific advice or used for commercial purposes. The Territory gives no warranty or assurances as to the accuracy of the information contained in the publication and accepts no direct or indirect liability for reliance on its

	content, including liability for negligence and for any loss, damage, injury, expense or cost incurred by any person directly or indirectly as a result of accessing, using or relying on any of the content of this publication to the maximum extent permitted by law.
Data Quality	
Lineage:	<p>The 3D data compilation of the Birrindudu Basin incorporates aspects of the following input datasets:</p> <p>Digital Information Packages (DIP)</p> <ul style="list-style-type: none"> • DIP001 - Northern Territory drillhole collars and geochemical datasets • DIP009 - Northern Territory Geoscience Maps • DIP012 – 3D model of the greater McArthur Basin • DIP013 - Rock Property dataset of the Northern Territory • DIP019 - Interpretation-ready Kingdom seismic project – Beetaloo Sub-basin • DIP030 – NT SEEBASE and GIS • DIP041 – Compilation of 1:250 000 geology map series GIS <p>Gridded Data</p> <ul style="list-style-type: none"> • NT-wide gravity, magnetic and radiometric gridded datasets subset to the data compilation area of interest. These gridded datasets are also down sampled to 250 m (gravity data) and 80m (magnetic/radiometric data) cell sizes for compatibility with 3D modelling platforms. • Shuttle Radar Topography Mission (SRTM) data subset to the data compilation area of interest. This gridded data is also down sampled to 200 m and 400 m cell sizes. <p>Drillhole Data</p> <ul style="list-style-type: none"> • Mineral drillhole and petroleum well survey path information • Stratigraphic markers from well completion reports and company reports • Petrophysical data collated from company reports, well completion reports and NTGS Record 2023-008 • High resolution core photography and hyperspectral data derived from the NTGS HyLogger <p>Geological Data</p> <ul style="list-style-type: none"> • Geoscience Australia's 1M Solid Geology of the North Australian Craton • NTGS geological map data at 1:250 000 and 1:2.5M scales
Positional Accuracy:	Positional accuracy of each aspect of the 3D data compilation is dependent upon the data type and the method by which its positional data was recorded.
Attribute Accuracy:	There is no attribution associated with the 3D data compilation.
Logical Consistency:	Data is logically consistent for the purpose of building a 3D data compilation.
Completeness:	Partially complete.
Contact:	<p>Manager, Geophysics and Remote Sensing Department of Industry, Tourism and Trade Phone (08) 8999 6443 Northern Territory Geological Survey GPO Box 4550, Darwin NT Australia 0801 geoscience.info@nt.gov.au</p>