

## Rock property dataset of the Northern Territory. Northern Territory Geological Survey, Digital Information Package 013.


Identification	
<b>Abstract:</b>	The Northern Territory Geological Survey (NTGS) has undertaken a Territory-wide compilation of rock property data focussing on the key properties of magnetic susceptibility, bulk density, grain density, porosity, velocity and permeability. This DIP is a compilation of rock property measurements sourced from open file company reports, core sampling reports, government publications, academic publications and new measurements made by NTGS.
<b>Product Type:</b>	Geographic dataset
<b>Keywords:</b>	ANZRC Fields of Research: Earth sciences Place: Australia, Northern Territory Petrophysics, rock property, density, magnetic susceptibility, porosity, permeability, velocity
<b>Topic Category:</b>	geoscientificInformation
<b>Reference System:</b>	Geocentric Datum of Australia (GDA94), latitude and longitude [EPSG: 4283]
<b>Extents:</b>	-11, -26, 129, 138
<b>Publication Date:</b>	March 2026

Contact for the resource	
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Data Quality and Status	
<b>Lineage:</b>	Dataset collates published rock property measurements from open file company reports, core sampling reports, government publications academic publications and new measurements made by NTGS on drillcore held in the NTGS Core Facilities and the Geoscience Australia Repository.
<b>Positional Accuracy:</b>	The positional accuracy of drillhole location is approximately 1 to 1000 metres.
<b>Spatial Resolution:</b>	Variable

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<b>Attribute Accuracy:</b>	Attributes that are compiled from company reports are dependent on the report quality and completeness. Attributes acquired by NTGS are considered high.
<b>Maintenance Information:</b>	Not planned
<b>Data Currency Start Date:</b>	1964
<b>Data Currency End Date:</b>	2026
<b>Status:</b>	Complete

<b>Legal Constraints</b>	
	
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<b>Distribution</b>	
<b>Distribution Format:</b>	ESRI shape, Excel spreadsheet, Comma separated values (CSV)
<b>Aggregate Dataset/Product:</b>	Not applicable
<b>Online Resource Linkage:</b>	<a href="https://geoscience.nt.gov.au/gemis">https://geoscience.nt.gov.au/gemis</a>
<b>Online Resource Description:</b>	<a href="https://geoscience.nt.gov.au/gemis">https://geoscience.nt.gov.au/gemis</a>

<b>Supplementary Information</b>	
Not applicable	
<b>Metadata Date:</b>	March 2026