

Compilation of industry geophysical data over the Tennant Creek and Rover mineral fields

ANZLIC Identifier:

Title:	Compilation of industry geophysical data over the Tennant Creek and Rover mineral fields
Custodian:	Northern Territory Geological Survey (NTGS) Department of Industry, Tourism and Trade
Abstract:	<p>The Tennant Creek and Rover mineral fields host a large number of high grade gold-copper-bismuth mines and deposits that were discovered, in many cases, through the application of geophysical exploration techniques. Statutory reporting of exploration activities along with the submission of geophysical survey data provides explorers with a rich source of information and a priori exploration knowledge. To assist industry, the NTGS has compiled this digital information package (DIP). The DIP presents a GIS catalogue of reported geophysical survey work conducted by industry and available in digital format. The catalogue includes data captured from aerial, ground and downhole surveys using magnetic (+/- radiometric), gravity, electromagnetic, resistivity/induced polarisation and other geophysical techniques.</p> <p>The NTGS has created and included in the DIP high-resolution grids of the magnetic and gravity datasets derived from merging regional government surveys with the higher resolution industry surveys. A combined gravity dataset is also included that captures available digital gravity station data and that has been re-processed using the Australian Absolute Gravity Datum 2007 (AAGD07) standard to create a consistent Bouguer anomaly value.</p>
Search Word(s):	Warramunga Province, Warramunga Formation, Tennant Creek, Rover, Ironstone, Geophysics, Gravity, Magnetism, Electromagnetics, Radiometrics, Resistivity, Induced Polarisation, Downhole
Bounding Coordinates (GDA94 MGA zone 53):	North bounding coordinate: 7,899,200 South bounding coordinate: 7,731,900 East bounding coordinate: 500,000 West bounding coordinate: 289,425
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:	1990
Data Currency End Date:	March 2021
Progress:	Complete
Maintenance and Update Frequency:	As required

Access Constraint:	<p>© Northern Territory of Australia (Northern Territory Geological Survey) 2021. With the exception of the Northern Territory of Australia logo, 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).</p> <p>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.</p> <p>Disclaimer: While all care has been taken to ensure that information contained in this publication is true and correct at the time of publication, changes in circumstances after the time of publication may impact on the accuracy of its information. The Northern Territory of Australia give no warranty or assurance, and make no representation as to the accuracy of any information or advice contained in this publication, or that it is suitable for your intended use. You should not rely upon information in this publication for the purpose of making any serious business or investment decisions without obtaining independent and/or professional advice in relation to your particular situation. The Northern Territory of Australia disclaim any liability or responsibility or duty of care towards any person for loss or damage caused by any use of, or reliance on the information contained in this publication.</p>
Lineage:	Dataset collates published geophysical survey data from open file company reports commencing from the Data Currency Start Date.
Positional Accuracy:	Data are sourced from numerous industry submissions of processed and reprocessed geophysical survey data. Surveys vary in vintage, quality and associated metadata and positional accuracy is considered variable.
Attribute Accuracy:	Attributes are compiled from acquisition reports or from company reports. Accuracy is dependent on the report quality.
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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