

# Rover field deposit atlas, regional 3D compilation and interpreted geology

<b>Title:</b>	Warramunga Province mineral deposit series: Explorer 108 and Curiosity deposit atlas 3D compilation
<b>Custodian:</b>	Northern Territory Geological Survey (NTGS), Department of Primary Industry and Resources
<b>Abstract:</b>	<p>The Rover field is located entirely under cover of the Wiso Basin to south and west of the Tennant mineral field and outcropping Warramunga Province. The Rover field is recognised as having potential for traditional Tennant Creek-style ironstone hosted Cu–Au–Bi mineralisation as well as Pb–Zn–Ag mineralisation that is not currently recognised in the Tennant mineral field. In contrast to the Tennant mineral field, the nature of the host stratigraphy and timing of alteration and mineralisation in the Rover field is poorly understood.</p> <p>WH Bryan Mining and Geology Research Centre, Sustainable Minerals Institute, University of Queensland compiled all open-file geoscience data in the Rover field area of interest and produced; regional scale 3D compilation, three deposit-scale 3D compilations and accompanying deposit atlases and interpreted the geoscientific data to produce a 1:25 000 scale interpreted geology GIS of the area. This DIP focusses on the Explorer 108 and Curiosity deposit.</p> <p>The deposit 3D compilations can be viewed using Geoscience Analyst software, which is a free viewer and can be downloaded from the following location: <a href="https://mirageoscience.com/mining-industry-software/geoscience-analyst/">https://mirageoscience.com/mining-industry-software/geoscience-analyst/</a>. In addition, the raw imported data has been provided for import to other software platforms.</p>
<b>Search Word(s):</b>	Rover field, Warramunga Province, Ooradidgee Group, Warramunga Formation, Explorer 108, Curiosity, geoscientific information, geological interpretation, 3D, Au, Cu, Bi, Pb, Zn, Geoscience Analyst, geophysics, HyLogger
<b>Bounding Coordinates (GDA94):</b>	North bounding coordinate: 271000mE/7797800mN South bounding coordinate: 409000mE/7785900mN East bounding coordinate: 327000mE/7742000mN West bounding coordinate: 322400mE/7848000mN
<b>Reference System Information:</b>	The dataset is supplied in MGA Zone 53 (GDA94), easting and northing [EPSG: 28353]
<b>Data Currency Start Date:</b>	01/07/2020
<b>Data Currency End Date:</b>	
<b>Progress:</b>	Complete
<b>Maintenance and Update Frequency:</b>	As required

**Access Constraint:**

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**Lineage:**

Data compiled from both open file company exploration reports and NTGS projects in the Rover field area of interest. Company exploration data is extracted from legacy hardcopy reports by scanning and digitising, including spatial data capture from maps where necessary. Legacy data capture has been completed at various times and usually on a geological terrain basis. More recent exploration reports and data are supplied in digital formats. Original reports and data can be downloaded via GEMIS ([geoscience.nt.gov.au/gemis](http://geoscience.nt.gov.au/gemis)).

**Positional Accuracy:**

Input datasets are of varying age and quality.

**Attribute Accuracy:**

Geological observations and descriptive attributes noted by resource/mapping geologists.

**Logical Consistency:**

Data is logically consistent for the purposes of geological interpretation.

**Completeness:**

The data is complete within the scope of this project

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