

# Warramunga Province mineral deposit series: Northern Star 3D compilation and deposit atlas

<b>Title:</b>	Warramunga Province mineral deposit series: Northern Star 3D compilation and deposit atlas
<b>Custodian:</b>	Northern Territory Geological Survey (NTGS), Department of Primary Industry and Resources
<b>Abstract:</b>	<p>The Tennant Creek mineral field is located in the Warramunga Province, central Northern Territory. The Tennant Creek mineral field has a long history and exploration for and production from ironstone-hosted Cu–Au (–Co) mineralisation. The Northern Star deposit cluster is a set of ironstone-hosted gold–copper (–cobalt) orebodies.</p> <p>The WH Bryan Mining and Geology Research Centre, Sustainable Minerals Institute, University of Queensland compiled all open-file geoscience data for the Northern Star deposit cluster and produced a 3D compilation in Geoscience Analyst with source data and accompanying deposit atlases.</p> <p>The 3D compilation 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>	Tennant Creek mineral field, Warramunga Province, Warramunga Formation, Northern Star, geoscientific information, geological interpretation, 3D, Au, Cu, Bi, Geoscience Analyst, geophysics
<b>Bounding Coordinates (GDA94):</b>	North bounding coordinate: 7866420mN South bounding coordinate: 7861320mN East bounding coordinate: 414080mE West bounding coordinate: 407960mE
<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>	15/11/2022
<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 Warramunga Province 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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**Metadata Date:**

15/11/2022