

DMITRE

CatApp Metadata 27/04/2012

Dataset

Title:Mineral potential and prospectivity analysis of the Musgrave Province, Including APY Lands – Data Package (MusgraveProvinceAPYLandsProspectivityDataPackage.zip)

Custodian:Geological Survey of South Australia

Jurisdiction:South Australia

Description

Abstract:

The purpose of this data package is to provide end-users with the GIS datasets and geophysical raster grids used for the 2010 modelling of mineral potential in the Musgrave Province, including APY Lands. The Musgrave Province spans three states, South Australia, Western Australia and Northern Territory. The data package contains merged subsets of open-file SA, WA and NT spatial data, sourced from the Geological Survey of Western Australia (GSWA), Northern Territory Geological Survey (NTGS) Geological Survey of South Australia (GSSA) and Geoscience Australia. The data package includes the following GIS layers:

- Merged surface geology at scales from 1: 50,000 – 1:250,000.
- 1:2 Million scale surface geology.
- Mineral occurrences.
- Structural interpretation (of TMI) by Leigh Rankin.
- Drillhole stratigraphy.
- Whole rock, soil and stream sediment geochemistry.
- Total Magnetic Intensity grid (clipped from Geoscience Australia national TMI grid).
- Gravity grid (constructed by GSSA).
- Localities and Roads (clipped from Geoscience Australia Topo 250K, series 2).

Please refer to report book RB201000007, entitled “Mineral potential and prospectivity analysis of the Musgrave Province, Including APY Lands” for a complete description of the mineral potential modelling process and prospectivity maps.

Acknowledgements: Geological Survey of Western Australia; Northern Territory Geological Survey; Geoscience Australia.

GEN Category:Regional

GEN Custodial Jurisdiction:South Australia

GEN Name:Musgrave Province and APY Lands, South Australia, Western Australia and Northern

Geographic Extent Polygon:-24.409013 126.432641, -24.409013 134.620745, -28.091128 134.620745, -28.091128 126.432641

North bounding latitude:-24.409013

South bounding latitude:-28.091128

East bounding longitude:134.620745

West bounding longitude:126.432641

Data Currency

Beginning Date:20101201

End Date:20120410

Dataset Status

Progress:Complete

Maintenance:As required

Version Number:1

Access

Stored format:DIGITAL

Available format(s):DIGITAL

Access constraint(s):None

Data Quality

Lineage:Refer RB201000007

Positional accuracy:Vector data is accurate at 1:250 000 scale, Raster data is interpolated and therefore unknown.

Attribute accuracy:South Australian vector attributes are accurate, as contained in SA Geodata. Refer to Geological Survey of Western Australia and Geological Survey of Northern Territory for attribute accuracy of data covering Western Australia and Northern Territory.

Logical consistency:Consistent

Completeness:Complete, subject to update

Contact Information

Contact organisation:Department of Manufacturing, Innovation, Trade, Resources and Energy

Contact position:Customer Service Centre

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Metadata Dates

Add date:2012-04-16

Change date:2012-04-24

Responsible Party

Responsible party:Prospectivity and Geophysics Team, Geological Survey of South Australia

Responsible party function:Publisher

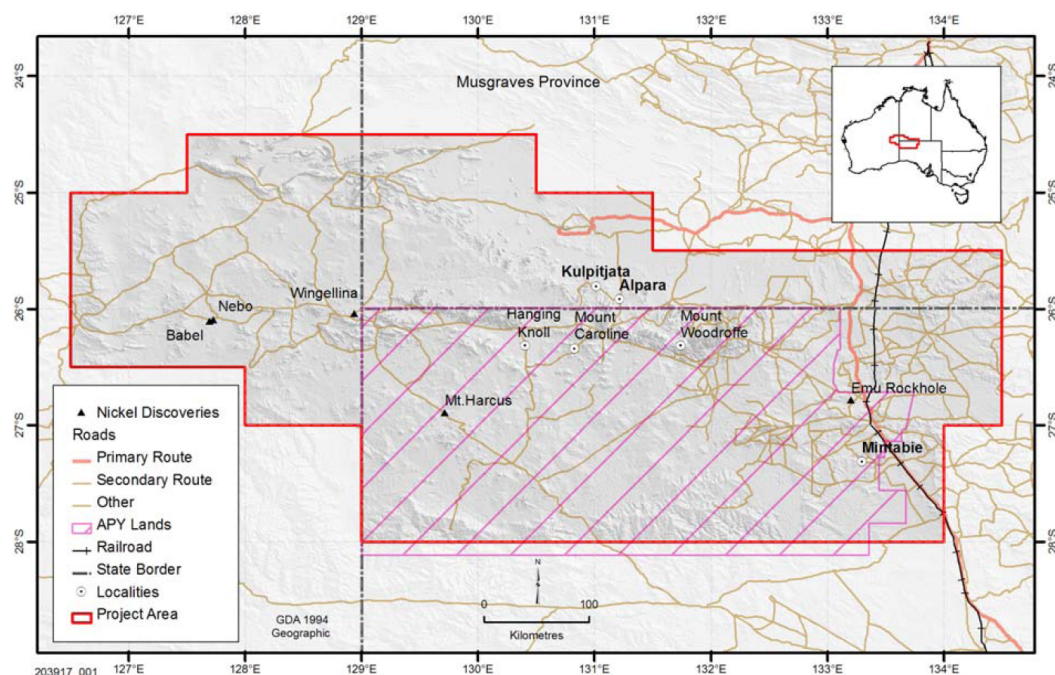
Description

Dataset classification:Derived

Spatial representation type:Matrix

Dimension:x,y

Sample Graphic(s)



Musgrave Province including APY Lands Mineral Potential Modelling Study Area



Government of **Western Australia**
Department of **Mines and Petroleum**

DMP Western Australia

Usage

Purpose:Mineral prospectivity modelling

Use:Preliminary site selection, landuse planning, prospectivity modelling

Usage limitations:Knowledge-driven mineral potential modelling is subjective and the deemed prospectivity of a region is based upon the experience, knowledge and opinions of the contributing geoscientists.

Dataset Associations

Dependant datasets:None

Origin

Dataset size:382Mb

Projection:UTM Zone 52

Datum:GDA94

Dataset Management

Authorised date:2012-04-12

Authorised by:Chief Geoscientist, GSSA Mapping and Exploration Group

Attributes
