

The Merlinleigh Sub-basin, 2013: 3D Geomodel Series product contains both 3D and 2D geoscientific data from the northern part of the Southern Carnarvon Basin. The model was originally built to showcase Intrepid Geophysics' data processing software combined with the geological and geophysical modelling package GeoModeller. In this release, the data have been converted to produce a GOCAD model and a version for the Geoscience ANALYST 3D viewer. Drillhole and geophysical data, and geological map imagery, maintained by the Geological Survey of Western Australia, provide additional regional context for the Geoscience ANALYST project.

The combined datasets were released in 2018 by the Geological Survey of Western Australia.

Datasets featured:

3D modelling

Drillholes

Faults

Geological surfaces

Geological volume surfaces

Geophysics

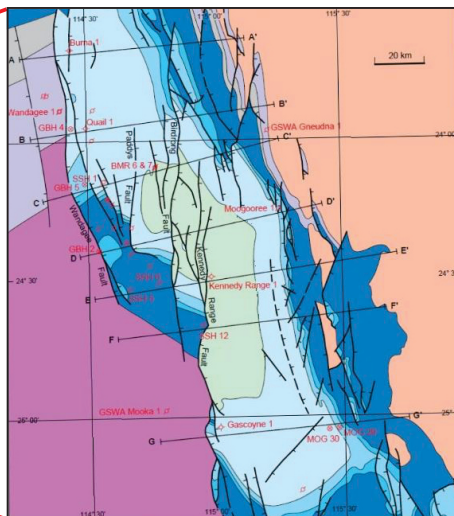
- Gravity
- Total magnetic intensity

Images

- Geological maps
- Geological cross-sections
- Top of Wooramel Group

Topography

WINNING POOL SF 50-13				EDMUND SF 50-14
BARRABIDY 1750	GOOCH RANGE 1850	LYNDON 1950	MANGAROON 2050	
BOOLOGOORO 1749	MARDATHUNA 1849	MOUNT SANDIMAN 1949	EUDAMULLAH 2049	Mt Augustus ■ MOUNT PHILLIPS SG 50-2
KENNEDY RANGE				
DOORA- WARRAH 1748	BINTHALY 1848	LYONS RIVER 1948	LOCKIER 2048	Gascoyne Junction ■ GLENBURGH SG 50-6
SG 50-1				
EDAGEE 1747	YALBALGO 1847	GASCOYNE 1947	DAURIE CREEK 2047	WOORAMEL SG 50-5
WOORAMEL SG 50-5				



Important information for customers

Data in this product are formatted for display in the 3D viewing software Geoscience ANALYST, which can be downloaded from Mira Geoscience www.mirageosience.com.

This software runs as a 64-bit application in the Microsoft Windows 7, 8 or 10 environment only. A modern graphics card or processor that supports at least OpenGL 2.0 are need to run this software. Graphics card drivers should be updated to the latest versions available for your computer. At least 4GB of RAM is recommended for efficient operation.

Geoscience ANALYST is the property of Mira Geoscience Ltd. Further information and technical support are available at www.mirageosience.com.

Download from: www.dmp.wa.gov.au/datacentre

Statewide spatial datasets			
3D geology			
Merlinleigh 3D geology			
Last Updated	Size	File Format	
12/07/2018	2.36 MB	3D PDF	Download
12/07/2018	106.37 MB	GeoModeller	Download
12/07/2018	69.88 MB	Geoscience Analyst IWS	Download
12/07/2018	70.78 MB	GOCAD	Download

Merlinleigh Sub-basin, 2013 — 3D Geomodel Series

Published 2018

Enquiries to Email: bookshop@dmp.wa.gov.au; Phone: +61 8 9222 3459; Fax: +61 8 9222 3444.

Cost: Free