



The **Southern Perth Basin 3D, 2020: 3D Geomodel Series** is a 3D model of the subsurface stratigraphy and structure of the southern Perth Basin, and is based on the interpretation of reflection seismic data tied to well intersections and potential field data. The interpreted horizons (grids) and faults were modelled in 3D using the GOCAD modelling software and incorporate newly available drillhole and seismic data. The Skua workflow function within GOCAD was used to ensure correct and watertight contacts between faults and horizons while maintaining an exact fit to well data. The 3D model is available as either a GOCAD project (.sprj file and associated folder) or can be viewed using the free viewer Geoscience ANALYST (.geoh5 file).

Datasets featured:

- 3D modelling
- Subsurface horizons
- Faults
- Petroleum wells
- Mineral drillholes
- Water bores
- Formation tops
- Gravity
- Magnetics
- Seismic lines
- Topography

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

| Statewide spatial datasets | | | | |
|-------------------------------|-----------|--------------------|--------------------------|--|
| 3D geology | | | | |
| Southern Perth Basin 3D, 2020 | | | | |
| Last Updated | Size | File Format | | |
| 06/10/2020 | 776.67 MB | GOCAD | Download | |
| 06/10/2020 | 248.88 MB | Geoscience Analyst | Download | |

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.mirageoscience.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.mirageoscience.com.

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Cost: Free