



The **East Albany-Fraser Orogen 3D, 2018**: 3D Geomodel Series product contains 3D and 2D geoscientific data. The 3D model was constructed using implicit modelling software GeoModeller by Intrepid Geophysics (2018) and tested by 3D gravity forward modelling. In this release, the data have been converted to produce a GOCAD model and a version for Geoscience ANALYST viewer. Major constraints on the model include a 1:250 000-scale interpreted bedrock geology map, three interpreted deep-crustal active seismic lines, and a Moho model from passive seismic data. Other supporting datasets include 3D density and susceptibility models from inversion, using Geosoft VOXI Earth Modeller, and magnetotelluric data including 2D conductivity sections and a 3D conductivity model.

The combined datasets were released in March 2019 by the Geological Survey of Western Australia.

LEONORA	LAVERTON	RASON	NEALE	VERNON
1	2	3	4	1
MENZIES	EDJUDINA	MINIGWAL	PLUMRIDGE	JUBILEE
5	6	7	8	5
KALGOORLIE	KURNALPI	CUNDEELEE	SEEMORE	LOONGANA
9	10	11	12	9
BOORABBIN	WIDDIEMOOLTHA	ZANTHUS	NARETHA	MADURA-BURNABIE
13	14	15	16	
LAKE JOHNSTON	NORSEMAN	BALLADONIA	CULVER	13, 1
1	2	3	4	
RAVENSTHORPE	ESPERANCE-MONDRAIN ISLAND	MALCOLM-CAPE ARID		
5	6, 10	7, 11		

**Datasets featured:**  
**Aeromagnetic images**  
**Bouguer gravity grids**  
**Density models**  
**Interpreted geology**  
**Magnetotelluric data**  
**Passive seismic**  
**Reflection seismic**  
**Susceptibility model 3D**  
**Topography**

Project area

## 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](http://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](http://www.mirageosience.com).

Download from: [www.dmp.wa.gov.au/datacentre](http://www.dmp.wa.gov.au/datacentre)

Statewide spatial datasets				
3D geology				
East Albany-Fraser Orogen 3D geology				
Last Updated	Size	File Format		
20/03/2019	7.97 MB	3D PDF	<a href="#">Download</a>	
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20/03/2019	166.21 MB	Geoscience Analyst	<a href="#">Download</a>	

## East Albany-Fraser Orogen 3D, 2018 — 3D Geomodel Series

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Cost: Free