



In 2005, Frogtech Geoscience completed the 'Structurally Enhanced view of Economic BASEment' (OZ SEEBASE) project, resulting in a continental-scale depth-to-basement grid, highlighting the Phanerozoic basins across Australia. With the acquisition of new potential field datasets the Geological Survey of Western Australia (GSWA) contracted Geognostics to revise the SEEBASE model of the western Officer Basin and to provide interpretation of basement terrane and lithology.

The western Officer SEEBASE project 2022 has markedly increased the resolution of the western Officer Basin and Amadeus Basin depth-to-basement model, compared to the 2005 version, improved identification and mapped major structures, basement faults, crustal architecture and basement composition. These new products form a valuable precompetitive dataset for both the minerals and energy industries.

The USB contains:

- Western Officer Basin and Amadeus Basin SEEBASE Report as a PDF
- ArcGIS mxd file — western Officer Basin SEEBASE – Structural study and GIS.mxd
- ArcGIS mxd file — western Officer Basin SEEBASE – Structural study and GIS – Gravity and magnetics.mxd
- ArcGIS mxd file — western Amadeus SEEBASE.mxd
- QGIS project file — western Officer Basin SEEBASE – Structural study and GIS.qgs
- QGIS project file — western Officer Basin SEEBASE – Structural study and GIS – Gravity and magnetics.qgs
- QGIS project file — western Amadeus SEEBASE.qgs

## Western Officer Basin and Amadeus Basin SEEBASE structural study and GIS data package 2022

Enquiries to Email: [bookshop@dmirs.wa.gov.au](mailto:bookshop@dmirs.wa.gov.au); Phone: +61 8 9222 3459.

Cost: \$55 [inc. GST]



Government of Western Australia  
Department of Mines, Industry Regulation  
and Safety

Geological Survey of  
Western Australia

