



ISBN 978-1-74168-943-3

This package contains images and digital data for Western Australia, including previously unreleased products of the Accelerated Geoscience Program, current to August 2021 and viewable within GeoMap.WA. The data are organized, compiled and linked to databases provided within the package. The datasets can also be loaded into ArcMap, MapInfo and QGIS projects.

### Datasets featured:

#### Geology

- Explanatory Notes System (ENS) digital database extract
- 1:100 000 geology mosaic image
- 1:100 000 geology mosaic images non-projected (latitude/longitude), 1:1 000 000 tiles
- 1:100 000 geology mosaic images projected (MGA), 1:1 000 000 tiles
- 1:250 000 geology mosaic image
- 1:250 000 geology mosaic images non-projected (latitude/longitude), 1:1 000 000 tiles
- 1:250 000 geology mosaic images projected (MGA), 1:1 000 000 tiles
- 1:100 000 Regolith geology regimes
- 1:100 000 interpreted bedrock geology
- 1:500 000 regolith–landform geology
- 1:500 000 Cenozoic geology
- 1:500 000 interpreted bedrock geology
- 1:500 000 orogenic events
- 1:500 000 tectonic units
- 1:2 500 000 major crustal boundaries
- 1:2 500 000 Cenozoic geology
- 1:2 500 000 interpreted bedrock geology
- 1:10 000 000 tectonic units
- Petrography sample sites and information
- GSWA field observation sites and information (WAROX)
- *SEEBASE depth to basement and related data*
- Subsurface structure maps (two-way time, depth, isopach and two-way time thickness maps)
- Soil-landscape mapping (DPIRD)
- Arid and semi-arid palaeovalley systems (GA)

#### Mineralization and exploration

- Mineral exploration activities (EXACT and WAMEX)
- HyLogger drillholes
- Mining tenements (TENGRAPH)
- Petroleum tenements
- Mines and mineral deposits (MINEDEX)
- Selected mineralization sites (MINEDEX)
- Geochemistry sample sites and information

- Diamond and related data
- Petroleum and mineral exploration drillholes
- Abandoned mine sites (WABMINES)
- Maximum grade in-hole drilling data
- Mean soil sample geochemical data
- **Geochronology and isotope geology**
- Geochronology sample sites and information
- McNaughton Legacy SHRIMP Mount Collection
- Zircon lutetium–hafnium isotope map of Western Australia
- Zircon oxygen isotope map of Western Australia
- Samarium–neodymium isotope map of Western Australia
- **Geophysics and seismology**
- Index to geophysical surveys (MAGIX)
- Multi-scale edges generated from imagery
- Gravity imagery
- Total magnetic intensity imagery
- Radiometric imagery
- Depth contour map of the Mohorovicic (Moho) discontinuity between the crust and mantle

#### Topography

- 1:250 000 topography mosaic image
- 1:250 000 coastline and locations
- 1:500 000 roads and railways
- 1:500 000 townsites
- 1:100 000 map geological sheet index
- 1:250 000 map geological sheet index
- 1:1 000 000 map geological sheet index

#### 3D projects

- 3D geomodel of Western Australia, 2021

#### Remotely sensed information

- Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)
- Landsat Thematic Mapper (TM)
- Digital elevation model from Shuttle Radar Topography Mission (SRTM)

## Western Australian state geoscientific imagery and data, 2021

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and **Safety**

**Geological Survey of**  
**Western Australia**

