

SEEBASE® Study and GIS for greater McArthur Basin: Supplementary Data – Metadata

ANZLIC Identifier:

Title: SEEBASE® Study and GIS for greater McArthur Basin: Supplementary Data

Custodian: Northern Territory Geological Survey (NTGS)
Department of Primary Industries and Resources

Abstract: The greater McArthur Basin is a Palaeo to Mesoproterozoic basin that contains key stratigraphic intervals prospective for both petroleum and mineral resources. Numerous studies since the late 1990s have recognised stratigraphic correlations between the McArthur Basin, Birrindudu Basin and Tomkinson province; the outcropping and undercover extent of these contiguous regional correlatives are informally referred to as the greater McArthur Basin.

Frogtech Geoscience has been contracted by NTGS to update SEEBASE® (Structurally Enhanced view of Economic Basement) for the greater McArthur Basin. The SEEBASE surface has been updated based on new potential field, seismic and other geoscientific datasets that have been acquired since the 2006 OZ SEEBASE product was released. The new surface incorporates 4 higher resolution surfaces contributed by industry (Santos Ltd and Pangaea Resources Pty Ltd).

The SEEBASE Study and GIS: Supplementary Data provides grids and images of geophysical data that were interpreted to develop the SEEBASE products. The SEEBASE products can be found in SEEBASE Study and GIS for greater McArthur Basin (DIP017). Summary documents of DIP017 are included with this package.

Search Word(s): SEEBASE®, greater McArthur Basin, Redbank package, Wilton package, geoscientific information, geological interpretation.

Bounding Coordinates (GDA94):

| | |
|----------------------------|---------|
| North bounding coordinate: | -10 |
| South bounding coordinate: | -21.8 |
| East bounding coordinate: | 137.995 |
| West bounding coordinate: | 129 |

Reference System Information: The dataset is supplied in Geocentric Datum of Australia (GDA94), latitude and longitude [EPSG: 4283]

Data Currency Start Date: 30/04/2018

Data Currency End Date: 30/04/2018

Progress: Complete

Maintenance and Update Frequency: Not planned

Access Constraint:

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Lineage:

Geophysical datasets and their processing are described in Appendix I-II Geophysical Processing Geophysical Enhancements.

Positional Accuracy:

Geophysical data are of varying age and quality. Further detail is provided in Section II. Data Compilation and Processing of the accompanying report.

Attribute Accuracy:

Attribution accuracy is high, accurately reflecting the input data.

Logical Consistency:

Data is logically consistent for the purposes of the SEEBASE Study of the greater McArthur Basin.

Completeness:

The data is complete within the scope of the project.

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02/05/2018