

East Yilgarn Moho, 2021

by

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Abstract

East Yilgarn Moho, 2021 digital data layer is a depth contour map of the Mohorovičić (Moho) discontinuity between the crust and mantle as determined from seismological methods (Fig. 1). The map is based on the AuSREM model (Salmon et al., 2012) at half degree-gridded intervals with additional data from the Yilgarn Craton – Officer Basin – Musgrave Province (Neumann, 2013) and the northeastern Yilgarn deep crustal seismic reflection lines (Goleby et al., 2003). Receiver function data is from passive seismic deployments (Reading et al., 2003).

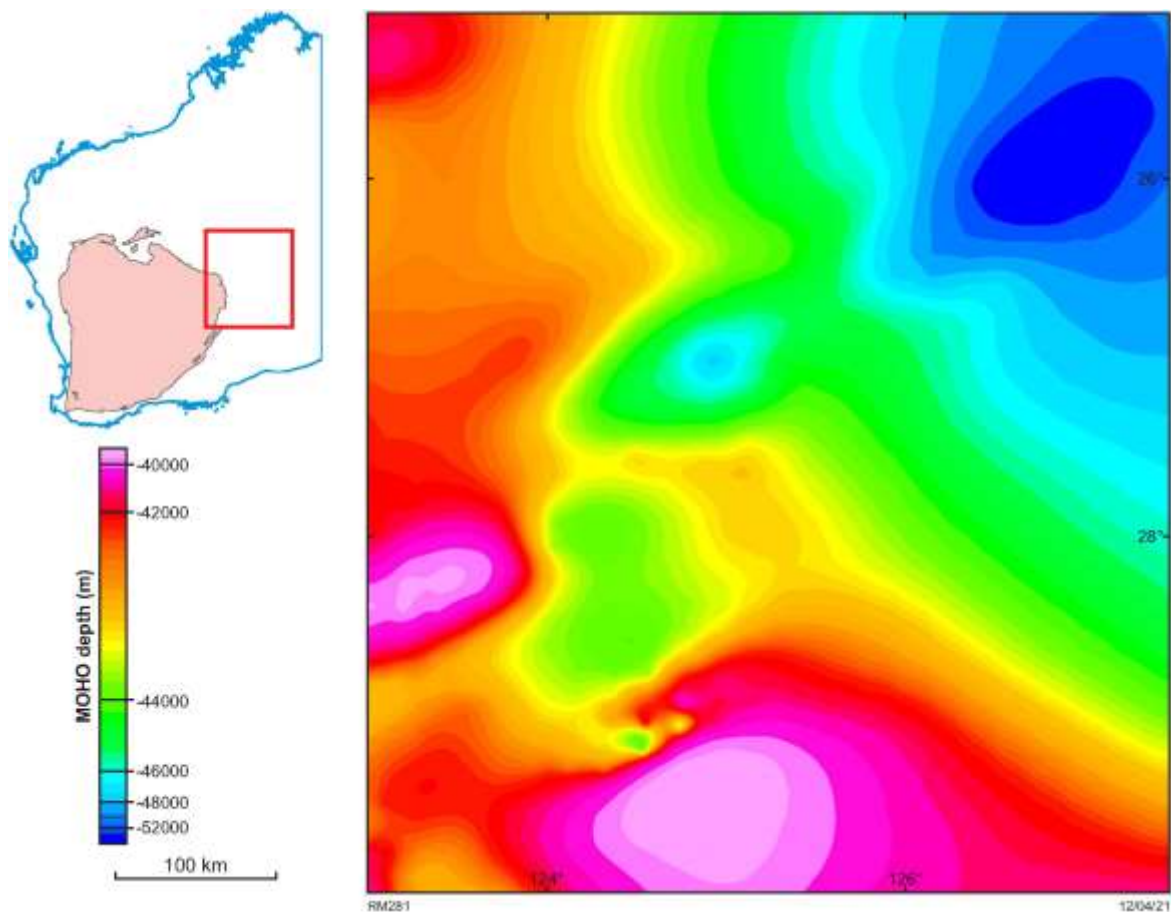


Figure 1. East Yilgarn Moho, 2021 digital data layer

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How to access

The data layer is best accessed using [GeoVIEW.WA](#). This online interactive mapping system allows data to be viewed and searched together with other datasets, including Geological Survey of Western Australia and Geoscience Australia geochronology data, geological maps and mineral exploration datasets. The **East Yilgarn Moho, 2021** digital data layer is also available as a free download from the [Data and Software Centre](#) via **Datasets – Statewide spatial datasets – Geology – East Yilgarn Moho, 2021**, as ESRI shapefiles and MapInfo TAB files.

References

- Goleby, BR, Blewett, RS, Groenewald, PB, Cassidy, KF, Champion, DC, Jones, LEA, Korsch, RJ, Shevchenko, S and Apak, SN 2003, The 2001 northeastern Yilgarn deep seismic reflection survey: Geoscience Australia, Record 2003/28, 144p.
- Neumann, NL (editor) 2013, Yilgarn Craton – Officer Basin – Musgrave Province seismic and MT workshop: Geoscience Australia, Record 2013/28, 210p.
- Reading, AM, Kennett, BLN and Dentith, MC 2003, Seismic structure of the Yilgarn Craton, Western Australia: Australian Journal of Earth Sciences, v. 50, no. 3, p. 427–438, doi:10.1046/j.1440-0952.2003.01000.x.
- Salmon, M, Kennett, BLN and Saygin, E 2012, Australian Seismological Reference Model (AuSREM): Crustal component: Geophysical Journal International, v. 192, p. 190–206.

Recommended reference

Murdie, RE and Yuan, H 2021, East Yilgarn Moho, 2021: Geological Survey of Western Australia, digital data layer, <www.dmirs.wa.gov.au/geoview>.



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