



Zircon lutetium-hafnium isotope map of Western Australia

This data layer presents lutetium-hafnium isotope map of Western Australia based on zircon Lu-Hf isotope data for felsic igneous rocks. The maps show two-stage depleted mantle model ages (T_{DM^2} , proxy for the age of the crustal source of the igneous rocks) and crustal residence time (the difference between T_{DM^2} and magmatic crystallization age, i.e. the length of time the source of the igneous rocks has resided in the crust). Although zircons from mafic and sedimentary rocks were not used in constructing the isotope maps, Lu-Hf data for those samples are included with those for felsic igneous rocks in the data table. The data are held in GDA94.

<https://dasc.dmirs.wa.gov.au>

- Statewide spatial datasets - [GDA1994]
 - Geochronology & Isotope Geology
 - Zircon lutetium-hafnium isotope map of Western Australia - [GDA1994]

Last Updated	Size	File Format	
23/06/2022	18.33 MB	ESRI BIL - [GDA1994]	Download
23/06/2022	23.65 MB	JPEG2000 - [GDA1994]	Download
23/06/2022	1.79 MB	ESRI Shape File	Download
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Enquiries to gds.data@dmirs.wa.gov.au; Phone: +61 8 9222 3459
 Free (online): Go to the Data and Software Centre (<https://dasc.dmirs.wa.gov.au>) > Statewide Spatial Datasets > Geochronology & Isotope Geology > Zircon lutetium-hafnium isotope map of Western Australia



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 Department of Mines, Industry Regulation
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