



Australian Government  
Geoscience Australia

# AUSTRALIAN URANIUM RESOURCES

SCALE 1:10 000 000

0 100 200 300 400 500 Kilometres

LAMBERT CONFORMAL CONIC PROJECTION  
Central Meridian: 134°E Standard Parallels: 18°S, 36°S  
Geocentric Datum of Australia

- Uranium occurrence
- Mineral deposits with up to 1 000 tonnes of  $U_3O_8$
- Mineral deposits with 1 000 to 3 000 tonnes of  $U_3O_8$
- Mineral deposits with 3 000 to 10 000 tonnes of  $U_3O_8$
- Mineral deposits with 10 000 to 50 000 tonnes of  $U_3O_8$
- Mineral deposits with 50 000 to 100 000 tonnes of  $U_3O_8$
- Mineral deposits with 100 000 to 1 million tonnes of  $U_3O_8$
- Mineral deposits with >1 million tonnes of  $U_3O_8$
- Palaeo channels with undefined resources
- Geological regions with up to 1 000 tonnes of  $U_3O_8$
- Geological regions with 1 000 to 10 000 tonnes of  $U_3O_8$
- Geological regions with 10 000 to 50 000 tonnes of  $U_3O_8$
- Geological regions with 50 000 to 1 million tonnes of  $U_3O_8$
- Geological regions with >1 million tonnes of  $U_3O_8$
- Geological regions boundary, broken where subdivided

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Copies of this map may be downloaded from the Geoscience Australia website at: <http://www.ga.gov.au>

This map is based on information compiled from publicly available sources on some 85 Australian uranium deposits, including world-class and large deposits. Compilation of data is ongoing

Deposit size is the total tonnage of  $U_3O_8$  that is or was in a deposit as estimated by Geoscience Australia. It was derived by summing the aggregate production from a deposit and the current or remaining resources in that deposit

Regional resources are the aggregate of resources in deposits occurring in the region. Regions defined here are based on Geoscience Australia's Georegions arcinfo coverage. Subdivisions of the Lachlan Fold Belt and Yilgarn Craton are based on data from published sources. Yeelirrie, Lake Way and other calcrete deposits have been assigned to Tertiary palaeochannel sediments that overlie the Yilgarn Craton. Mulga Rock deposit has been assigned to Tertiary palaeochannel sediments. Resources for Warrior deposit are assigned to Tertiary palaeochannel sediments that overlie the Gawler Block as mapped by Rogers (1999). Palaeo channels with undefined resources as mapped by Rogers (1999). Resources for Napperby calcrete deposit has been assigned to Tertiary palaeochannel sediments overlying the Arunta Block. Prominent Hill deposit is located in Palaeoproterozoic sediments and volcanics of the Gawler Block. Resources have been allocated to the Gawler Block. Beverley and Honeymoon sandstone deposits have been assigned to the Frome Embayment sediments, the extent of the Frome Embayment is based on Brunt (1978).

Location information used in this map is derived from Geoscience Australia's Ozmin database for deposits and Minloc for uranium occurrences

It is recommended that this map be referred to as: McKay, A.D., Miezitis, Y., and Jaireth, S., 2007, *Australian Uranium Resources*, January 2007 edition, 1:10 000 000 scale map, Geoscience Australia, Canberra, Australia Geocat No 65146 ISBN: 9781921236228

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