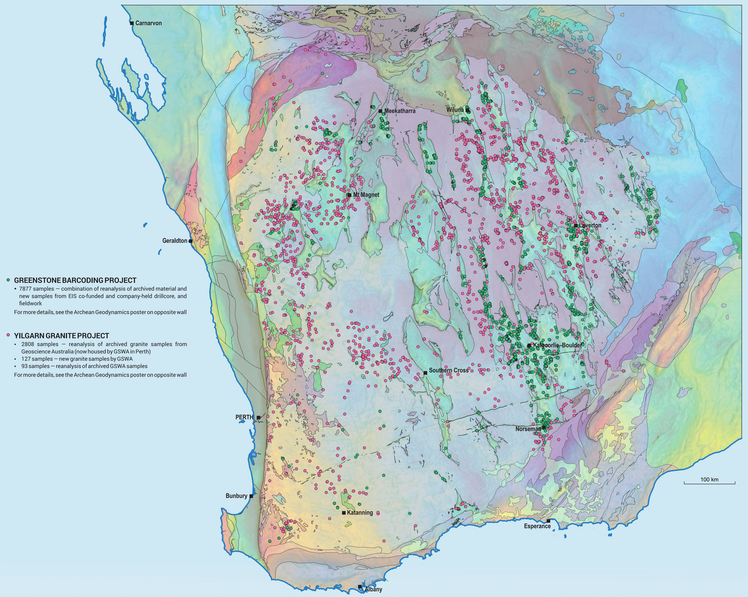
Department of Mines, Industry Regulation and Safety

Geological Survey of Western Australia

EXPLORATION INCENTIVE SCHEME

YILGARN GRANITE AND BARCODING GEOCHEMISTRY SITES (2019–2022)



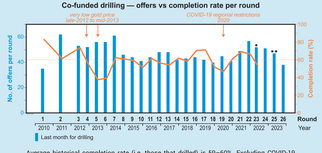
- **GREENSTONE BARCODING PROJECT**
  - 7877 samples — combination of reanalysis of archived material and new samples from EIS co-funded and company-held drillcore, and fieldwork

  For more details, see the Archean Geodynamics poster on opposite wall

- **YILGARN GRANITE PROJECT**
  - 2808 samples — reanalysis of archived granite samples from Geoscience Australia (now housed by GSWA in Perth)
  - 127 samples — new granite samples by GSWA
  - 93 samples — reanalysis of archived GSWA samples

  For more details, see the Archean Geodynamics poster on opposite wall

CO-FUNDED DRILLING



Average historical completion rate (i.e. those that drilled) is 59–60%. Excluding COVID-19 issues, withdrawal from the funding is mainly due to:

a) reallocation of exploration budget

b) heritage clearance issues

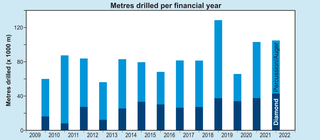
c) drilling rig or drilling staff shortages.

Biannual applications started in 2012.

The 12-month drilling period for odd-numbered rounds (e.g. Round 3, 5) was a financial year, whereas even-numbered rounds drilled across calendar years.

- From Round 23, the 12-month drilling period was moved forward one month (last month for drilling is either 31 May or 30 November), to avoid clashes with end of financial year and Christmas period.

• • Capped values for each drilling category are raised for the first time.



- Over 1 000 000 metres drilled since 2009
- 2018–19: one drilling program had an extensive auger program and combined with high completion rates in Rounds 16 and 17, resulted in a high total metres drilled for that year

For more information, contact:
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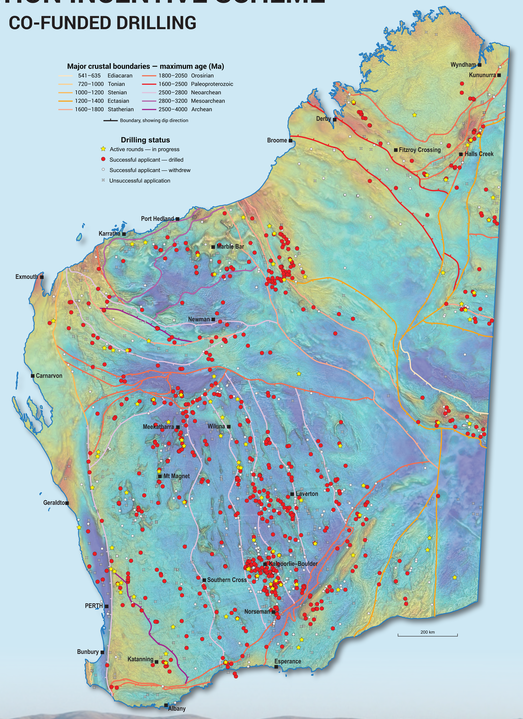
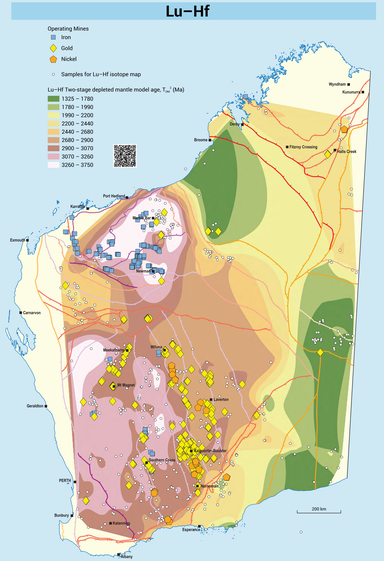
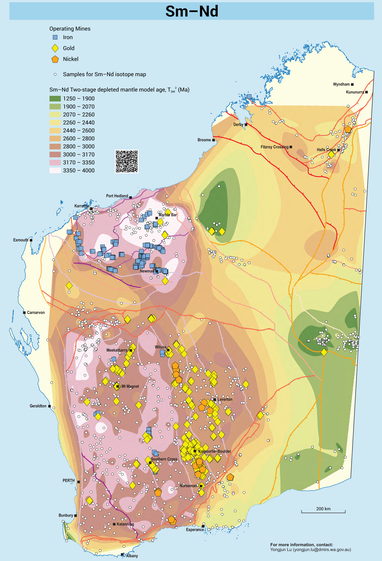


ISOTOPES

Lu–Hf



Sm–Nd



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Major crustal boundaries — maximum age (Ma)

541–635 Ediacaran
720–1000 Tonian
1000–1200 Stenian
1200–1400 Ectasian
1600–1800 Statherian
1800–2050 Orosirian
1600–2500 Paleoproterozoic
2500–2800 Neoarchean
2800–3200 Mesoarchean
2500–4000 Archean
Boundary, showing dip direction

Heading south towards Marble Bar, Pilbara region, Western Australia

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