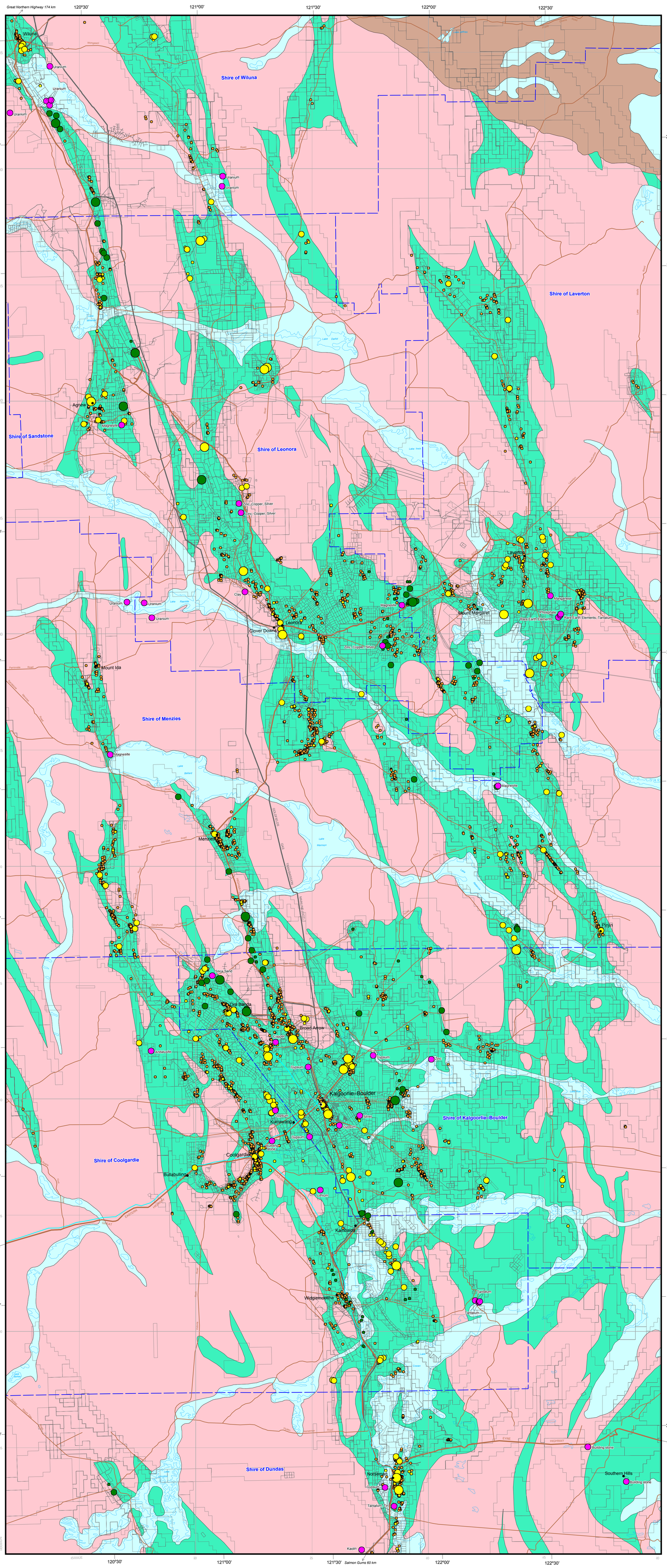
# RESOURCE POTENTIAL FOR LAND USE PLANNING

# EASTERN GOLDFIELDS




## Geology

- Salt lake and valley fill
- Proterozoic (600 — 2500 million years): Sedimentary rocks
- Archaean (older than 2500 million years): Granitic rocks
- Greenstones (metamorphosed igneous and sedimentary rocks)

## Mines and deposits

Containing nickel and gold — subdivision based on current known resources

| Nickel | Gold |
|---|---|
| > 1 000 000 tonnes | > 30 tonnes (1 000 000 ounces) |
| 1 000 000 — 100 000 tonnes | 30 — 3 tonnes (1 000 000 — 100 000 ounces) |
| 100 000 — 10 000 tonnes | 3 — 1 tonnes (100 000 — 30 000 ounces) |

Containing other commodities

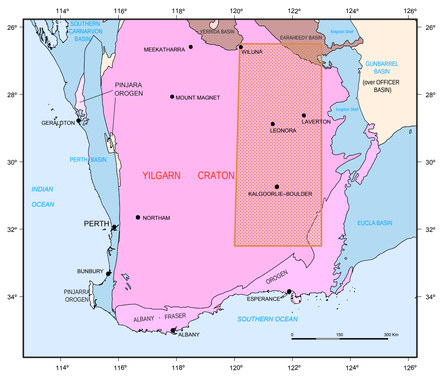
- Deposits of various sizes, commodity as indicated

## Historic and abandoned mine sites

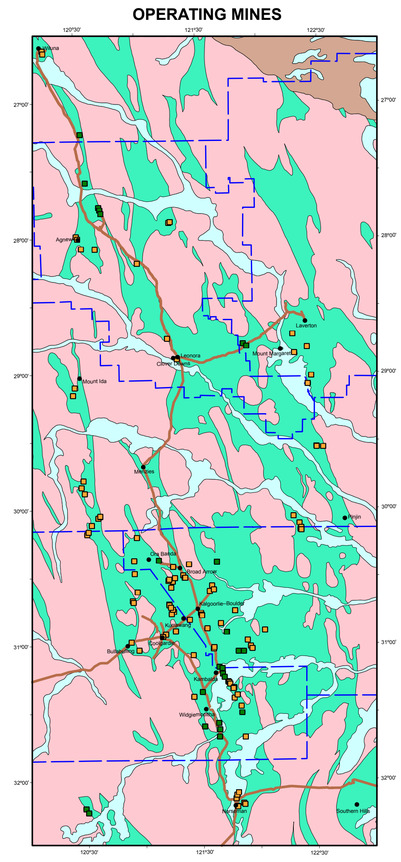
- No current known resources, variable historic production; commodity predominantly gold

- Geological boundary
- Major road
- Minor road
- Railway
- Localities
- Local Government area
- Waterbody
- Water pipeline
- Natural gas pipelines
- Mining Act tenement boundary

## LOCALITY MAP




## OPERATING MINES

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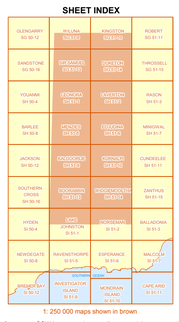
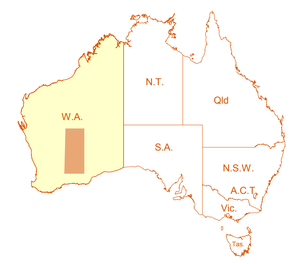
## SHEET INDEX




1: 250 000 maps shown in brown

Search for current GSWA map products on line www.doir.wa.gov.au/cbookshop




## DATA DIRECTORY

| Theme | Data Source | Data Currency | Agency |
|---|---|---|---|
| Geology | 1:500 000 Interpreted bedrock geology of Western Australia * | MAR 2005 | Dept of Industry and Resources |
| Mines and mineral deposits (non – confidential) | MINEDEX * | MAR 2005 | Dept of Industry and Resources |
| Tenements | TENGRAPH * | APR 2005 | Dept of Industry and Resources |
| Topographic nomenclature | GEONOMA | | Dept of Land Information |
| Topography | AUSLIG | | Dept of Land Information |

* GSWA and DoIR databases can be viewed online (www.doir.wa.gov.au/aboutus/geoview_launch.asp) or can be downloaded from the GSWA Data and Software Centre (www.doir.wa.gov.au/GSWA/download centre)


Geology compiled by F. Vanderhor 1999-2001 and R. B. Flint 1999-2000; modified by F. I. Roberts 2005

Cartography by M. Kumar, 2005

Published by the Geological Survey of Western Australia. Available in digital format (PDF) online at www.doir.wa.gov.au/gswa. Copies can be ordered from the Information Centre for the cost of printing. Information Centre, Department of Industry and Resources, 100 Plain Street, East Perth, WA 6004. Phone (08) 9222 3459, Fax (08) 9222 3444

Email geological.survey@doir.wa.gov.au

The recommended reference for this map is:
ROBERTS, F. I., 2005, Eastern Goldfields, Resource potential for land use planning (scale 1:600 000): Western Australia Geological Survey.



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Scale 1:600 000

25 000 — 0 — 25 — 50
Metres — Kilometres

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
Map Grid of Australia Zone 51

The Map Grid Australia (MGA) is based on the Geocentric Datum of Australia 1994 (GDA 94)
GDA positions are compatible within one metre of the datum WGS84 positions

# EASTERN GOLDFIELDS

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