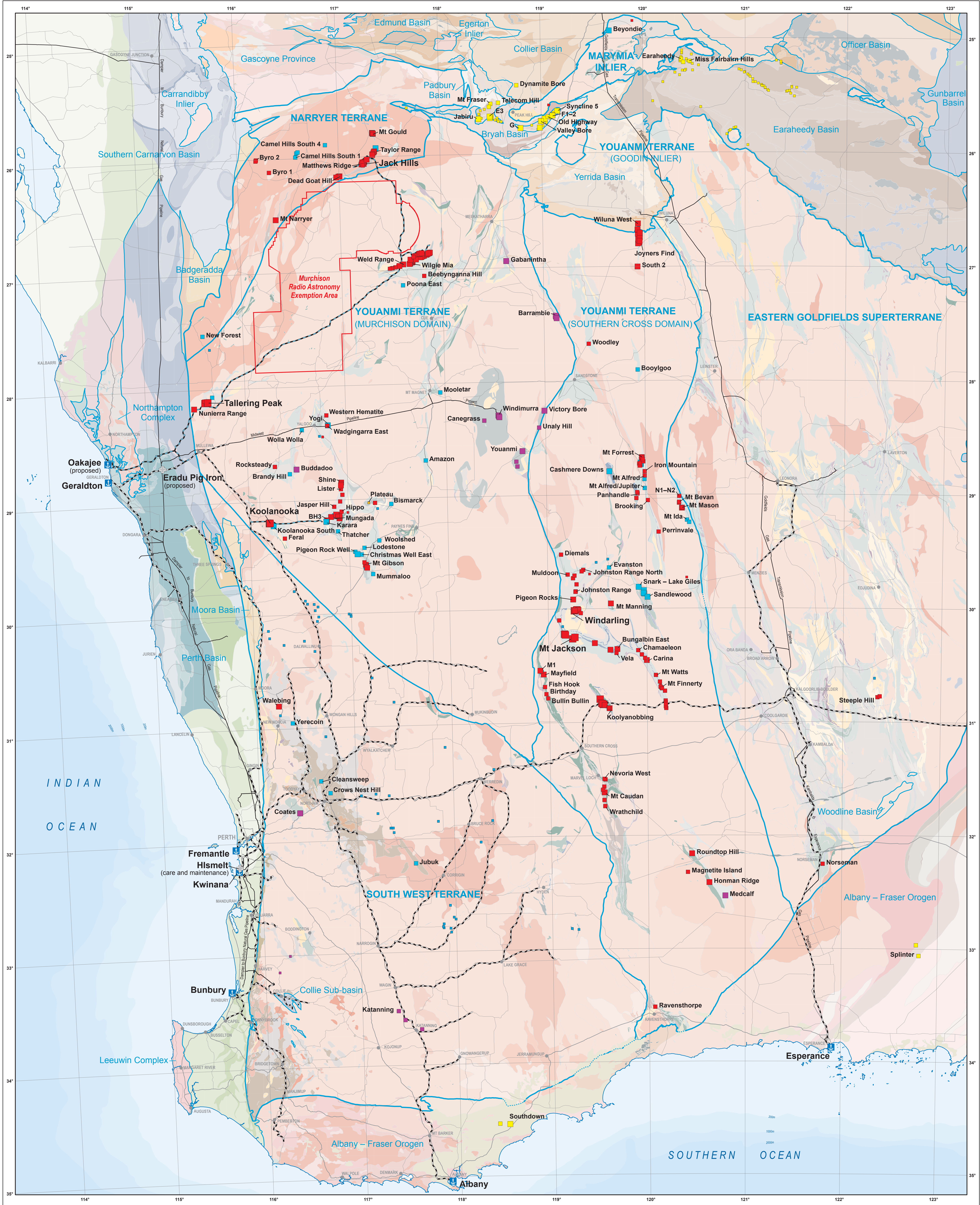


# IRON ORE DEPOSITS OF THE YILGARN CRATON — 2010



## SITE TYPE AND STATUS

- Windarling** ☐ Mine – operating and under development
- Sandlewood** ☐ Mine – closed or proposed; deposit
- Woodley** ☐ Prospect
- ☐ Exploration target or occurrence

## MINERALIZATION STYLES

- ☒ Supergene-enriched hematite-goethite deposits over banded iron-formation in granite-greenstone
- ☒ Primary banded iron-formation deposits (magnetite)
- ☒ Stratatound, clastic-hosted deposits (magnetite/hematite)
- ☒ Plioclastic and lenticular riverine paleochannel mineralization or Channel Iron Deposits (CID)
- ☒ Orthomagmatic layered mafic intrusives targeted for both iron (magnetite) and V-Ti (Ilmenite)



- Tectonic boundary – Yilgarn Craton
- Tectonic boundary – Yilgarn Craton, concealed
- Tectonic boundary – other
- Major iron ore processing plant
- Port
- Townsite / locality
- Highway / major road
- Road
- Railway (Operating)
- Railway (Proposed)
- Gas pipeline
- Coastline

DATA DIRECTORY			
Theme	Data Source	Data Currency	Organization
Iron ore sites	MINDEX	May 2010	Dept of Mines and Petroleum
Murchison Radio Astronomy Exemption Area	DMP	April 2009	Dept of Mines and Petroleum
Gas pipeline	DMP	May 2010	Dept of Mines and Petroleum
Topography	Landgate	2008	Landgate
Bathymetry	DOT	Mar 1998	Dept of Transport

\*DMP data can be viewed online at <http://www.dmp.wa.gov.au/geodata/>, or can be downloaded from the GSWA Data and Software Centre <http://www.dmp.wa.gov.au/geodata/>. The MINDEX database can be accessed at <http://www.dmp.wa.gov.au/minindex/>.



Compiled by RW Cooper and DJ Flint 2010

Edited by S White

Cartography by T McDonald

Geology and tectonic boundaries based on:

1. Canada RF, Chappin, DC, Knox, B, Barley, ME, Brown, SJA, Bennett, RS, Greenwell, PB and Taylor, M 2006, A revised geological framework for the Yilgarn Craton, Western Australia, Geological Survey of Western Australia, Record 2006/8, 8p.

2. Taylor, M and Hocking, RM (compilers) 2007, Tectonic units of Western Australia, 1:500 000 – Preliminary version, Geological Survey of Western Australia, 1:500 000.

3. Taylor, M and Hocking, RM (compilers) 2008, Interpreted tectonic geology of Western Australia, 1:500 000, Geological Survey of Western Australia.

Published by the Geological Survey of Western Australia. Hard copies of this map are available from the Information Centre, Department of Mines and Petroleum, 100 Plain Street, East Perth, WA, 6004. Phone (08) 9222 2444. Fax (08) 9222 2444. Website <http://www.dmp.wa.gov.au/geodata/>. Email [geological.survey@dp.wa.gov.au](mailto:geological.survey@dp.wa.gov.au)

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The recommended reference for this map is:

Cooper, RW and Flint, DJ 2010, Iron ore deposits of the Yilgarn Craton — 2010 (1:1 500 000), Geological Survey of Western Australia.



Government of Western Australia  
Department of Mines and Petroleum

Geological Survey of Western Australia



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