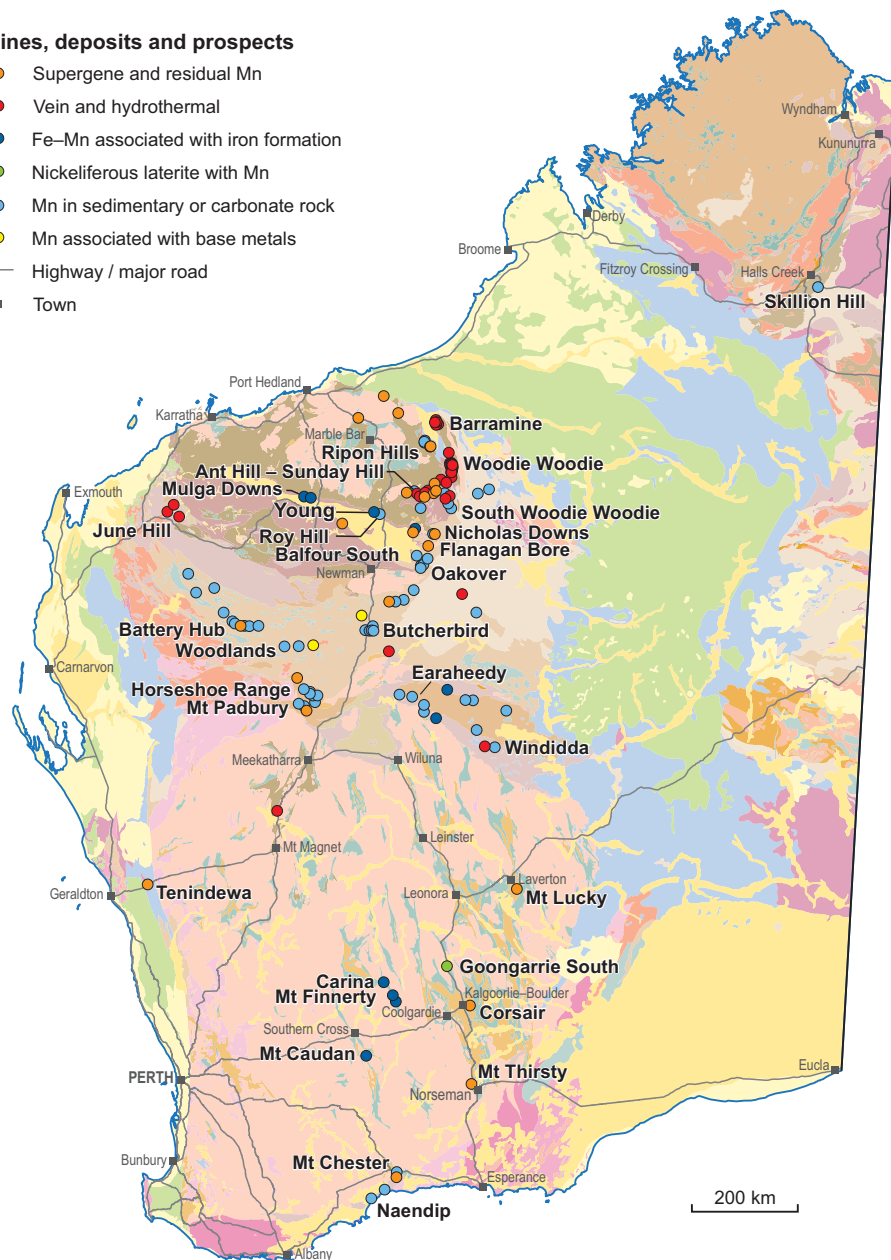


Mines, deposits and prospects

- Supergene and residual Mn
- Vein and hydrothermal
- Fe–Mn associated with iron formation
- Nickeliferous laterite with Mn
- Mn in sedimentary or carbonate rock
- Mn associated with base metals
- Highway / major road
- Town



Manganese system – GIS layers

Manganese is important to Australia's critical minerals strategy. Manganese is used in a variety of industries, including in manufacture of renewable/dry cell batteries, wind turbines and aluminium steel alloys. This present study proposes a Mn mineral system that includes three main deposit classes: stratiform, supergene and hydrothermal. These deposit classes display strong spatial correlation and similar genetic controls.

This data package contains data from the Mineral Systems Atlas (MSA) manganese system, which provides exploration relevant spatial data for prospectivity and targeting analysis. Mineral systems within the Atlas are described through an online MSA Guide and standalone GSWA Record 2022/5. The Atlas emphasizes critical processes and their mappable proxies related to mineralization. All data are curated and symbolized to focus on the related mineral system. The package includes mineral occurrences, geochemistry, field observations and lithology data.

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

Statewide spatial datasets - [GDA2020]

Mineral Systems Atlas

Manganese system - [GDA2020]

Last Updated	Size	File Format	
16/11/2022	63.65 MB	ESRI File Geodatabase (with QGIS file)	Download
16/11/2022	92.98 MB	ESRI Shape File (with QGIS file)	Download

Manganese system – GIS layers

Enquiries to gsd.data@dmirs.wa.gov.au; Phone: +61 8 9222 3459

View (online): Go to the Mineral Systems Atlas (<https://msamaps.dmp.wa.gov.au/msamaps>)

Free (online): Go to the Data and Software Centre (<https://dasc.dmirs.wa.gov.au>) > Statewide Spatial Datasets > Mineral Systems Atlas > Manganese system



Government of Western Australia
Department of Mines, Industry Regulation
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