## RESOURCING THE TERRITORY

# **Manganese**Mn





- World-class, low-cost GEMCO manganese mine at Groote Eylandt produces more than 15% of global production, and has been in operation since 1965.
- Mineralisation at Groote Eylandt comprises flat-lying oolitic and pisolitic sedimentary manganese within the Cretaceous Walker River Formation of the Carpentaria Basin.
- The Cretaceous palaeo-shoreline is a target for further sedimentary manganese deposits.
- The Bootu Creek manganese deposit is a hydrothermally modified sedimentary deposit hosted in Palaeoproterozoic rocks of the Tomkinson Province.

#### **Operating mines**

Geological Province	Name	Annual Production	Resource	Company
Carpentaria Basin	GEMCO	5.9 Mt manganese concentrate (2022–23)	123 Mt @ 43.6% Mn (ROM) and 12 Mt @ 20% Mn (Sands)	South 32 Ltd

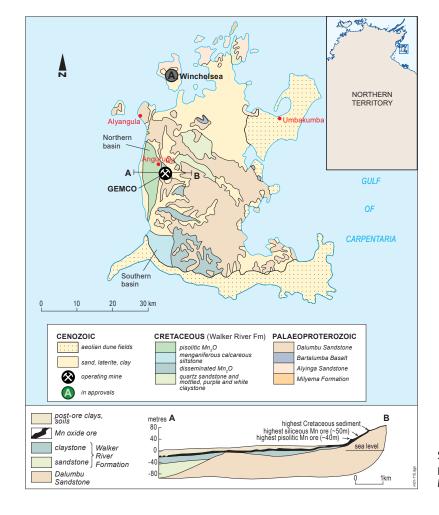
#### **Care and Maintenance**

<b>Geological Province</b>	Name	Resource	Company
Tomkinson Province	Bootu Creek	6.86 Mt @ 13.19% Mn	OM Holdings Ltd

### **Developing projects**

#### In approvals process

<b>Geological Province</b>	Name	Resource	Company
Carpentaria Basin	Winchelsea	18.9 Mt @ 24.0 % Mn (From Draft EIS)	Winchelsea Mining Pty Ltd



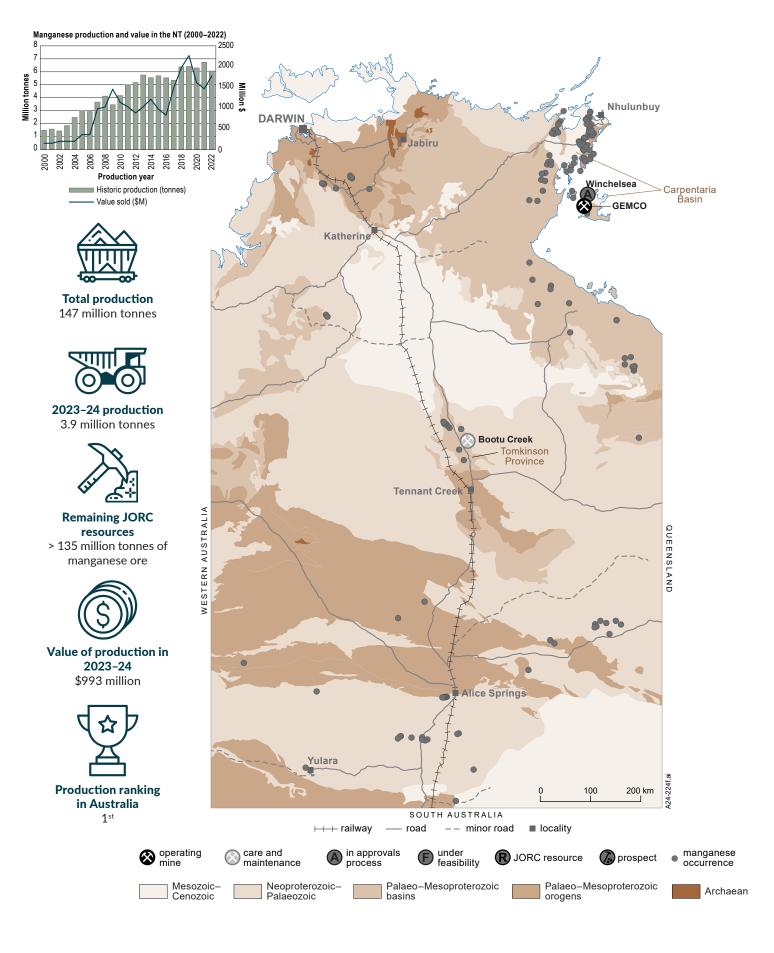


Wedge-shaped claystone lens along northern wall of Quarry F1, Groote Eylandt.

Reference: Northern Territory Geological Survey, Report 13.

Simplified geology of Groote Eylandt. Reference: Northern Territory Geological Survey, Report 13.

# Manganese in Australia's Northern Territory



November 2024



