

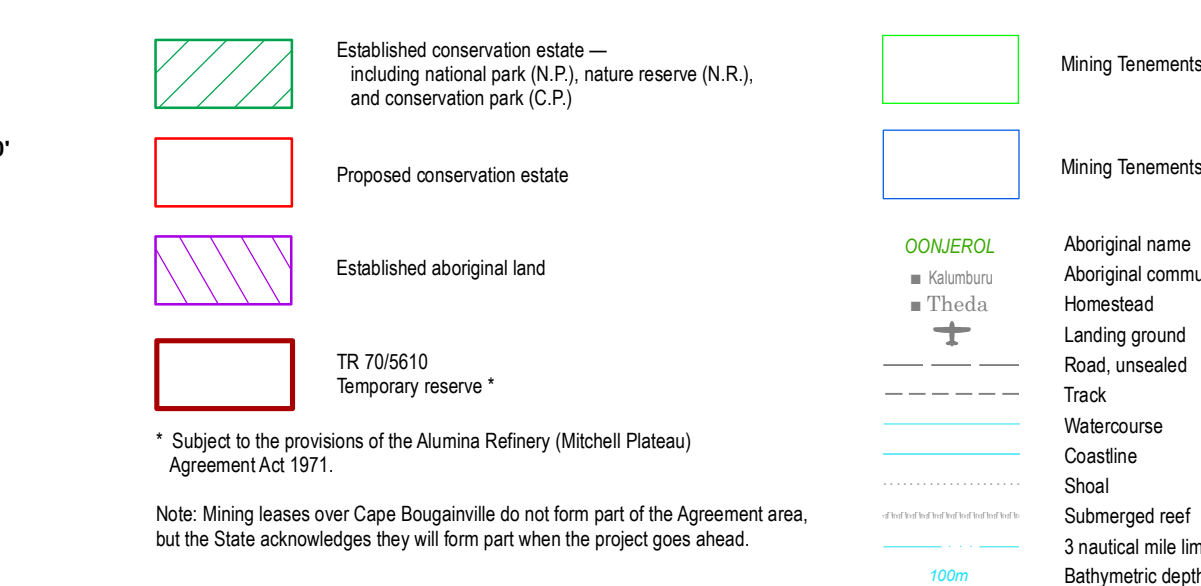
MINERALIZATION STYLES		MINERAL AND ROCK COMMODITY GROUPS	
⊕	Orthomagmatic mafic and ultramafic	□	Precious mineral
△	Stratavolcanic and sedimentary	□	Precious metal
○	Regolith hosted	□	Base metal
◇	Vein and hydrothermal	□	Aluminium

MINERAL AND ROCK COMMODITIES	
Bauxite.....Bx	Lead.....Pb
Copper.....Cu	Phosphate, Phosphate rock.....Phos
Diamond.....Dmd	Silver.....Ag
Gold.....Au	

Comparison of bauxite from Mitchell Plateau and Cape Bougainville

	Mitchell Plateau	Cape Bougainville
Estimated resources	234 million tonne*	980 million tonne*
Areal extent of bauxite	40 km ²	44 km ²
Thickness (average)	3.2 m	8.6 m
Thickness (maximum)	10m	12.5 m
Total chemical alumina	47%	36%
Available alumina (at 250°C)	42.5%	29.6%
Total silica	2.6%	1.9%

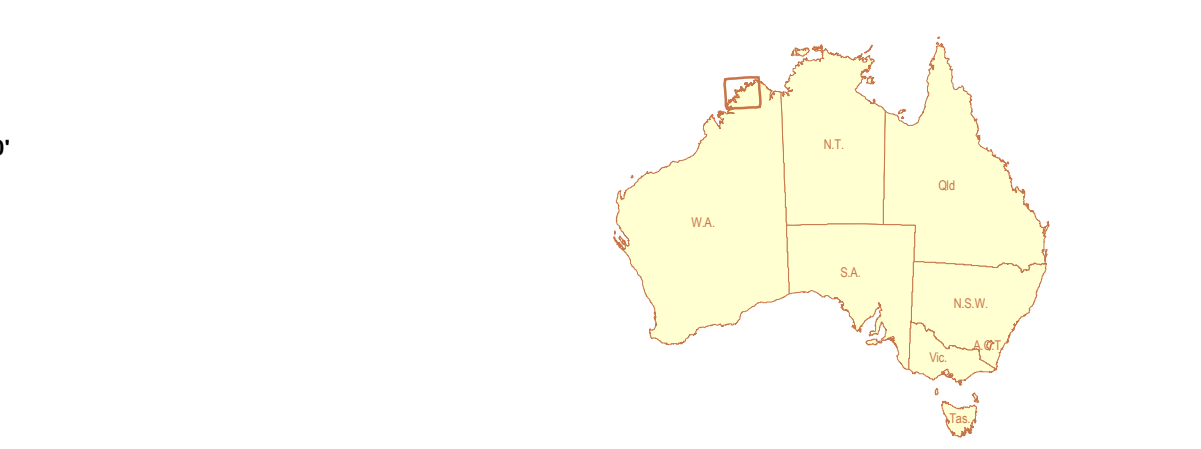
* Estimated in 1975



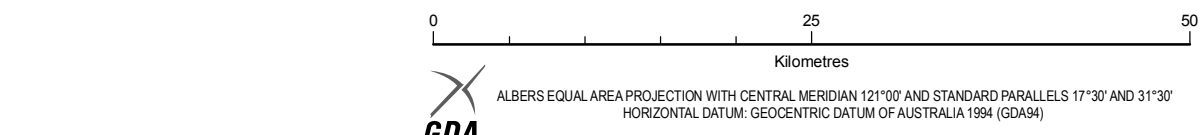
DATA DIRECTORY			
Theme	Data Source	Data Currency	Organization
Geology	1:500 000 State Tectonic units 1:500 000 West Kimberley Regolith Geology	2007 2007	Dept of Mines and Petroleum
Mineral sites	MINDEX*	2009	Dept of Mines and Petroleum
Comparison table of the bauxite from Mitchell Plateau and Cape Bougainville	JOKUL, GF JACKSON, WP and ZANI, JA 1975, Kimberley bauxite deposits, in Economic geology of Australia and Papua New Guinea - 1. Metals edited by CL KNIGHT, Australasian Institute of Mining and Metallurgy, Monograph 5, p. 968-990.	1975	Australasian Institute of Mining and Metallurgy
Established conservation estate	Department of Environment and Conservation	2008	Department of Environment and Conservation
Established aboriginal land	Department of Indigenous Affairs	2006	Department of Indigenous Affairs
Tenements	Tengraph *	2009	Dept of Mines and Petroleum
Topography	Landgate	2009	Landgate

* GSWA and DMP databases can be viewed online (www.dmp.wa.gov.au/geoview) or can be downloaded from the GSWA Data and Software Centre (www.dmp.wa.gov.au/datasoftware)

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Edited by N Tofaw and B Williams
Cartography by I Lesiak
Published by the Geological Survey of Western Australia. Digital and hard copies of this map are available from the Information Centre, Department of Mines and Petroleum, 100 Plain Street, East Perth, WA, 6004.
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Website www.dmp.wa.gov.au Email geological_survey@dmp.wa.gov.au
The recommended reference for this map is:
Roberts, FI 2009, Northwest Kimberley Bauxite Province (1:500 000 scale); Geological Survey of Western Australia.



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NORTHWEST KIMBERLEY BAUXITE PROVINCE

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