

JCU Cairns Institute

# Protected Areas & Management

(Dr Ro Hill, Adjunct Professor, Cairns Institute)

Acknowledgements: Traditional Owners, Pew Charitable Trusts, Cairns and Far North Environment Centre

# Global biodiversity Target 3

Some important aspects:

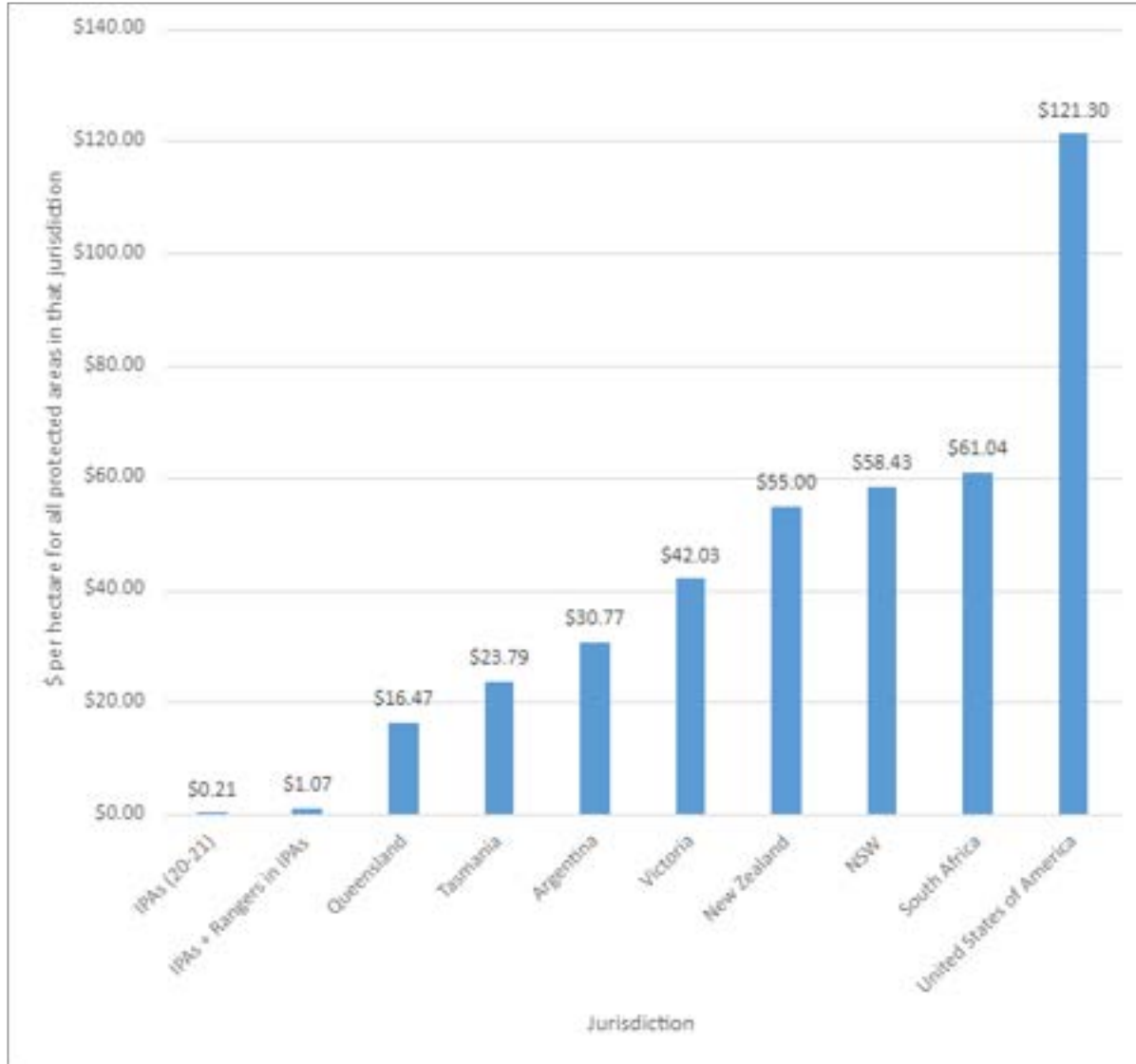
- Ensure and enable that by 2030 at least 30 per cent of terrestrial and inland water areas, and of marine and coastal areas ...
- are effectively conserved and managed... and equitably governed
- ... recognizing and respecting the rights of indigenous peoples and local communities, including over their traditional territories.

State and territory levels of protection (source: CAPAD 2022)

Jurisdiction	% of jurisdiction protected	Contribution to NRS (%)	Average size (ha)
ACT	55.94%	0.08%	2,586
JBT	84.08%	0.00%	2,799
NSW	10.2%	4.81%	3,477
NT	24.88%	19.73%	394,545
QLD	8.83%	8.99%	12,501
SA	30.2%	17.49%	14,758
TAS	42.31%	1.7%	1,727
VIC	17.64%	2.36%	867
WA	30.13%	44.81%	41,003
External	-	0.03%	2,648
<b>Australia</b>	<b>22.1%</b>	<b>100.00%</b>	<b>12,223</b>

30% by 2030?

# Effectively managed? Funding very low



- Comparative figures 2018 (Source R. Hill private research)
- Values-based adaptive management – fewer than one quarter (226) of Qld protected areas have such plans in place

# Recognise Indigenous governance? Not really ...

Table 4. IUCN Governance types for protected areas

Governance Type	Sub-types
Type A. Governance by government	<ul style="list-style-type: none"> <li>Federal or national ministry or agency in charge</li> <li>Sub-national ministry or agency in charge (e.g., at regional, provincial, municipal level)</li> <li>Government-delegated management (e.g., to an NGO)</li> </ul>
Type B. Shared governance	<ul style="list-style-type: none"> <li>Transboundary governance (formal arrangements between one or more sovereign States or Territories)</li> <li>Collaborative governance (through various ways in which diverse actors and institutions work together)</li> <li>Joint governance (pluralist board or other multi-party governing body)</li> </ul>
Type C. Private governance	<ul style="list-style-type: none"> <li>Conserved areas established and run by:                             <ul style="list-style-type: none"> <li>individual landowners</li> <li>non-profit organisations (e.g., NGOs, universities)</li> <li>for-profit organisations (e.g., corporate landowners)</li> </ul> </li> </ul>
Type D. Governance by indigenous peoples and local communities	<ul style="list-style-type: none"> <li>Indigenous peoples' conserved territories and areas – established and run by indigenous peoples</li> <li>Community conserved areas and territories – established and run by local communities</li> </ul>

Governance	Under Qld legislation	Australia-wide
Government	4.29%	8.57%
Shared	1.50%	1.29%
Private	2.41%	1.31%
Indigenous	0.18%	10.49%
<b>Total</b>	<b>8.38%</b>	<b>22.1%</b>

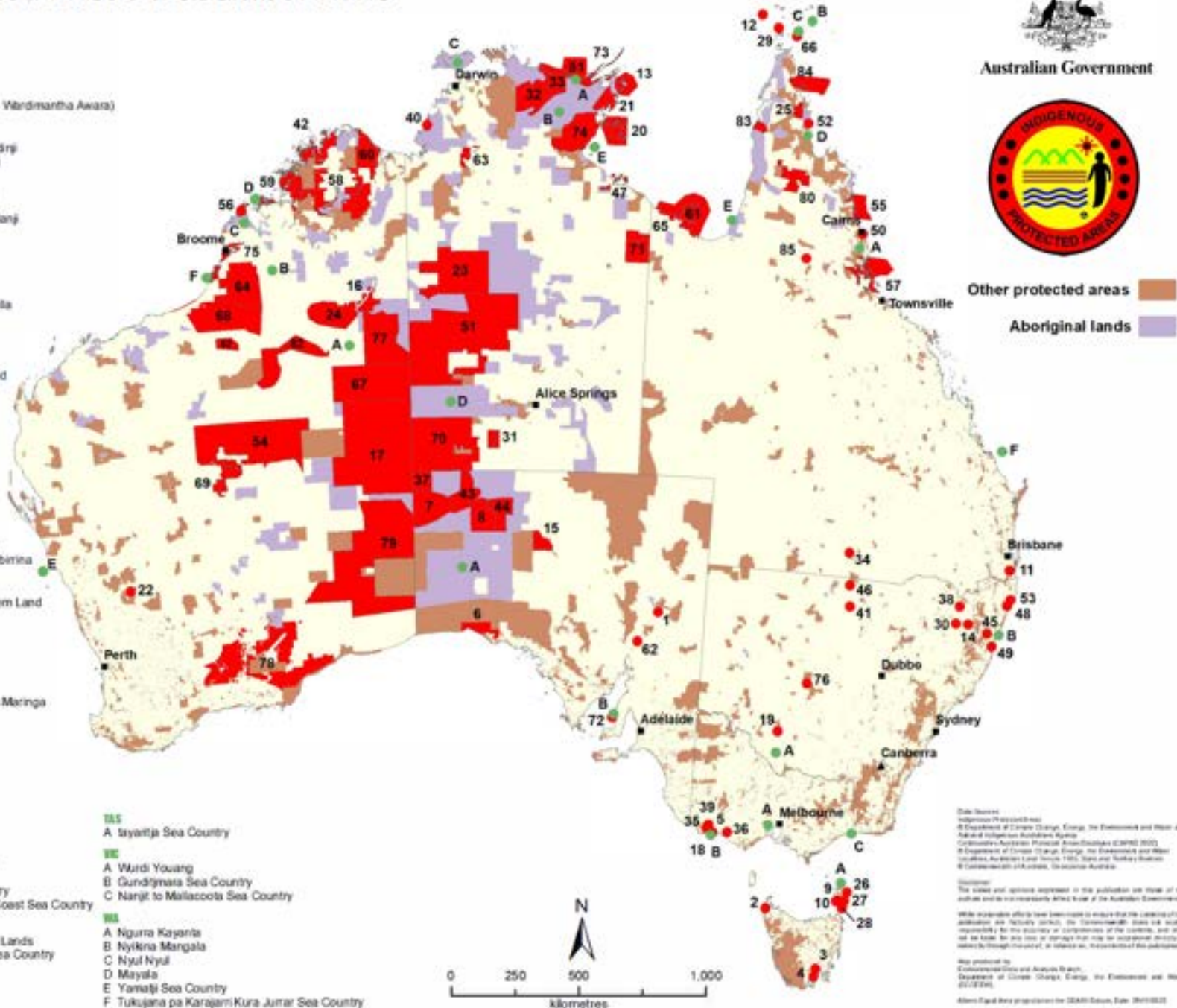
# Indigenous Protected Areas December 2023

**Dedicated Indigenous Protected Areas**

- |                               |  |
|-------------------------------|--|
| 1 Nantawanna                  | 47 Yanyuwa (Barni - Wardamantha Awara) |
| 2 Freminghana                 | 48 Mnyumai                             |
| 3 Risdon Cove                 | 49 Gumma                               |
| 4 Putalina                    | 50 Mandingabay Yidjri                  |
| 5 Deen Maar                   | 51 Southern Tanami                     |
| 6 Yalata                      | 52 Anglun                              |
| 7 Watamu                      | 53 Ngunya Jargon                       |
| 8 Walakara                    | 54 Birriburu                           |
| 9 Mount Chappell Island       | 55 Eastern Kuku Yalanji                |
| 10 Badger Island              | 56 Bard Jawi                           |
| 11 Quanaba                    | 57 Gimungun                            |
| 12 Warul Kawa Island          | 58 Wilinggin                           |
| 13 Dhimuru                    | 59 Dambimangari                        |
| 14 Wattledge                  | 60 Balangarra                          |
| 15 Mount Willoughby           | 61 Thuwathu/Bujumula                   |
| 16 Paniku                     | 62 Yappala                             |
| 17 Ngaanyaljarra              | 63 Wadaman                             |
| 18 Tyrendarra                 | 64 Karajari                            |
| 19 Toogimbie                  | 65 Nijinda Duriga                      |
| 20 Anindilyakwa               | 66 Warabetsgal and Poromalgal          |
| 21 Laymhapuy                  | 67 Kwinikura                           |
| 22 Ninghan                    | 68 Nyangumaria                         |
| 23 Northern Tanami            | 69 Warra                               |
| 24 Warlu Jilajaja Jumu        | 70 Katti Petermann                     |
| 25 Kuarju Ngachi              | 71 Ganalang-Mindibirna                 |
| Wenlock and Pascoe Rivers     | 72 Wardang Island                      |
| 26 Babel Island               | 73 Marthakal                           |
| 27 Great Dog Island           | 74 South-East Arnhem Land              |
| 28 Jungatelenana              | 75 Yawuru                              |
| 29 Pulu Islet                 | 76 Mawonga                             |
| 30 Tarniera Kurukun           | 77 Ngururpa                            |
| 31 Angas Downs                | 78 Ngadju                              |
| 32 Warddeken                  | 79 Anangu Tjutaku                      |
| 33 Djelk                      | 80 Oikola                              |
| 34 Jamba Dhandan Duringala    | 81 Crocodile Islands Meringa           |
| 35 Kartontj                   | 82 Martu                               |
| 36 Framlingham Forest         | 83 Wik                                 |
| 37 Kalka - Pipalyatjara       | 84 Wu'hathi                            |
| 38 Boorabee and The Willows   | 85 Talanoo                             |
| 39 Lake Condah                |  |
| 40 Marri-Jabin (Thamuruti)    |  |
| 41 Brewarrina Ngemba Bilabong |  |
| 42 Uunguu                     |  |
| 43 Apari - Makin - Purlu      |  |
| 44 Antara - Sandy Bore        |  |
| 45 Dorodong                   |  |
| 46 Wellmoringle               |  |

**Indigenous Protected Area Consultation Projects**

- |                                 |                                       |   |
|---------------------------------|---------------------------------------|---|
| <b>WF</b>                       | <b>SS</b>                             | <b>SS</b>                                     |
| A Wirral Forest                 | A Mamu                                | A Iyayitja Sea Country                        |
| B Ngyrbandjgay                  | B Marigalal                           | B Wardi Youang                                |
| Gaagal Sea Country              | C Magari Lagagal                      | B Gundimgata Sea Country                      |
|                                 | D Umpila                              | C Nanjti to Mallacoota Sea Country            |
|                                 | E Kurijar Sea Country                 |   |
|                                 | F Fort Curtis Coral Coast Sea Country |   |
| <b>WT</b>                       |                                       | <b>WS</b>                                     |
| A Araluen Swamp                 |                                       | A Ngurna Karajata                             |
| B Mimil                         |                                       | B Nyikina Margala                             |
| C Tasi Islands                  |                                       | C Nyul Nyul                                   |
| D Haasts Bluff                  |                                       | D Mayala                                      |
| E South East Arnhem Sea Country |                                       | E Yamatji Sea Country                         |
|                                 | <b>SA</b>                             | F Tukujana pa Karajari Kura Jumar Sea Country |
|                                 | A Maralinga Tjaruļa Lands             |   |
|                                 | B Wardang Island Sea Country          |   |



Other protected areas  
Aboriginal lands

## Success of Indigenous Protected Areas (Federal)

Data Source:  
Indigenous Protected Areas  
© Department of Climate Change, Energy, the Environment and Water and  
Native of Indigenous Australians Agency  
Coordinate-Indigenous Protected Areas Database (CIPIAD) 2023  
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We acknowledge efforts have been made to ensure that the location of this  
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Map prepared by:  
Environmental Data and Analysis Branch,  
Department of Climate Change, Energy, the Environment and Water  
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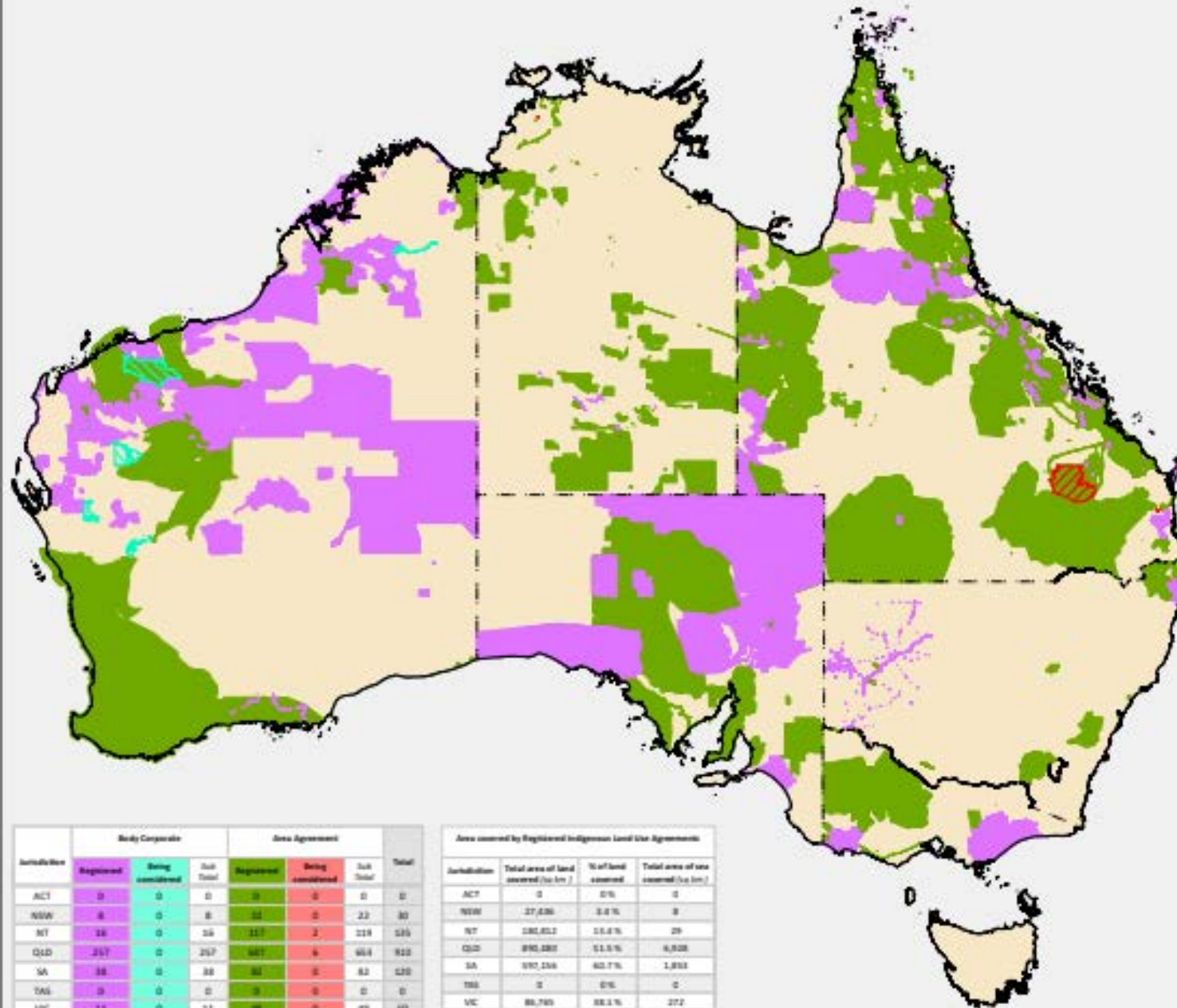
Approved Area preparation for CIPIAD Edition, Date: 20/11/2023



## Indigenous Land Use Agreements

As at 1 April 2024

- Registered Body Corporate
- Registered Area Agreement
- ▨ Body Corporate Agreement being considered for registration (where notice has been given)
- ▨ Area Agreement being considered for registration (where notice has been given)



Prepared by:  
Geospatial Services, National Native Title Tribunal 22/04/2024

Some or parts of some determinations may not yet be in effect or on the National Native Title Register (NNTR). The court may decide that the determination of native title will take effect conditional upon some future event occurring, for example, the registration of an Indigenous Land Use Agreement or the establishment and registration of a prescribed body corporate (PBC). In these cases the determination, or relevant part, will not be registered on the NNTR until the condition has been met.

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Areas have been calculated in square kilometres using Australian Albers projection (GDA2020).

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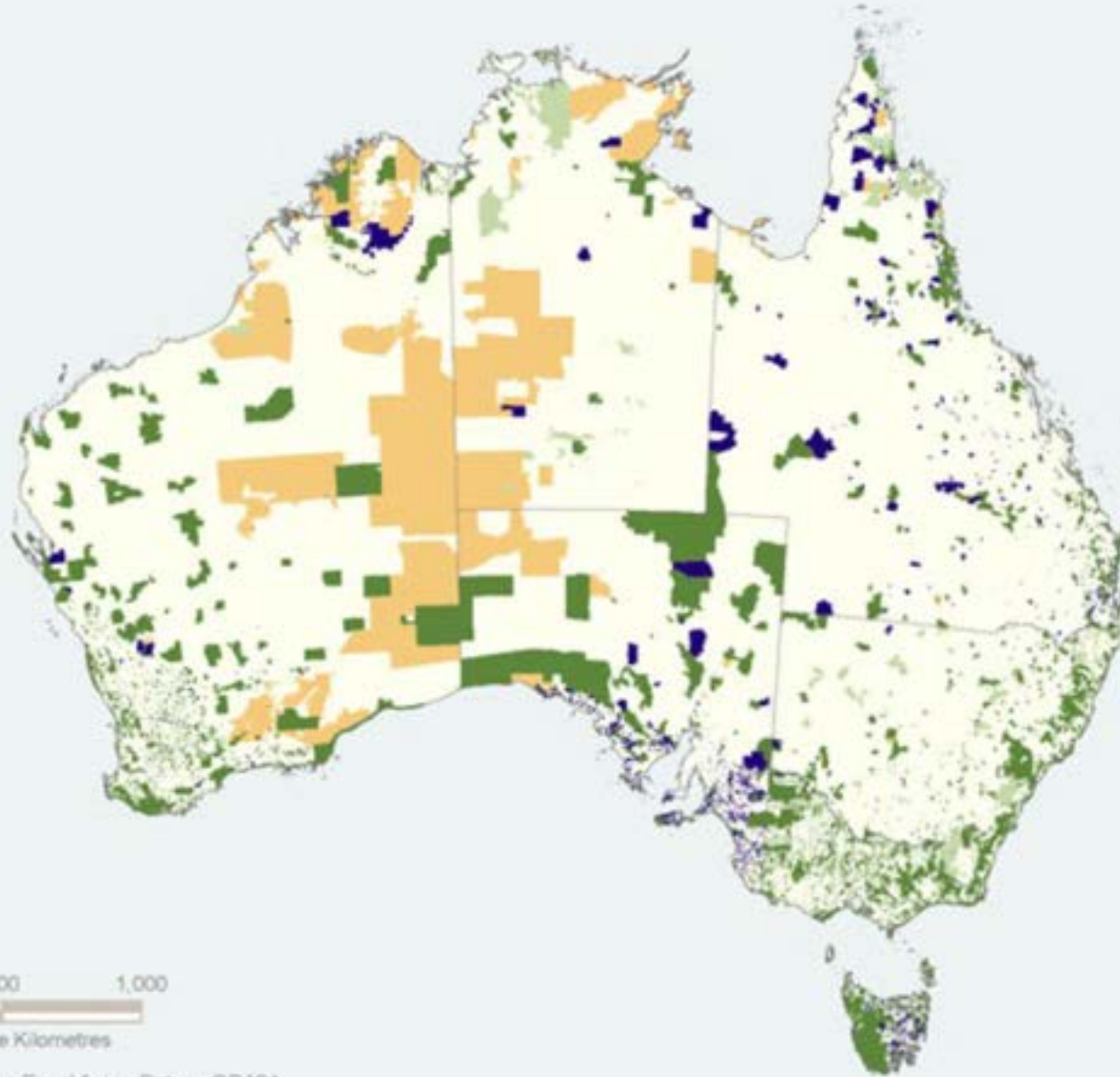
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Jurisdiction	Body Corporate			Area Agreement			Total
	Registered	Being considered	Sub Total	Registered	Being considered	Sub Total	
ACT	0	0	0	0	0	0	0
NSW	8	0	8	11	0	23	30
NT	18	0	18	117	2	119	136
QLD	257	0	257	667	6	673	930
SA	18	0	18	11	0	29	47
TAS	0	0	0	0	0	0	0
VIC	11	0	11	16	0	27	38
WA	271	8	279	11	0	12	291
Total	581	8	589	818	8	826	1,415

Jurisdiction	Area covered by Registered Indigenous Land Use Agreements		
	Total area of land covered (sq km)	% of land covered	Total area of new covered (sq km)
ACT	0	0%	0
NSW	27,636	2.8%	0
NT	180,812	18.8%	29
QLD	890,880	9.1%	6,508
SA	970,116	60.7%	1,893
TAS	0	0%	0
VIC	88,740	88.1%	272
WA	984,893	39%	68,127
Cwth	0	0%	8,778
Total	2,797,082	36%	75,982

# National Reserve System - Governance Categories



- Government Reserves
- Indigenous Protected Areas
- Jointly Managed Protected Areas
- Private Protected Areas



Projection: Albers Equal Area - Datum: GDA94

**Data Source**  
Collaborative Australian Protected Areas Database (CAPAD) (2022) from Commonwealth, state and territory governments, non-government organisations, indigenous and other protected areas managers, Australian Quarantine and Inspection Service (1:100,000,000), Geoscience Australia.

Please note that this map includes the following services and agreements:  
Commonwealth Government data for 100km<sup>2</sup> Gridlands, Stewardship Agreements, Collaborative Agreement, NCT Agreement and Registered Priority Agreement data for ICPA.

Map produced by Data & Analytics Branch, Australian Government Department of Climate Change, Energy, the Environment and Water.  
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# What can we do?

- Recognise IUCN governance diversity to expand area
  - Queensland/NSW/Victoria Indigenous Protected Areas (voluntary agreements)
  - State jointly governed protected areas – Private/Pastoralists plus Indigenous/Traditional Owners (voluntary agreements)
- Increase funding for management

# Thanks

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