



Australian Government
Geoscience Australia



Boundaries and Georegulation

(previously Maritime Jurisdiction Advice)

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Central Role Government co-ordination – legal certainty in the spatial administration of the marine jurisdiction

Marine cadastre – spatial extension of the Federal Register of Legislative Instruments, Marine Gazetteer

Legal reform of baseline definition - from ambulatory to fixed

Drafting advice on spatial aspects of marine legislation

Advice to Cwth, State and Pacific on spatial/legal framework of marine space

Advice to Government on intn'l boundaries & negotiations

International engagement on Standards and processes.

Advocacy of Australia's State Practice

Delivering Legal Certainty for Electronic Spatial Data

1. Achieve legal certainty and long term stability in the location of maritime limits and boundaries through technical and legal response
2. A framework deployable by ALL States based on international standards
3. Integrated framework to implement maritime and terrestrial georegulation
4. Capacity to support smart uses – geofencing, integrated marine planning
5. Extensible to subsidiary regulatory zones – Fisheries, Petroleum, Minerals, Environment...

Delivering Legal Certainty for Electronic

- Law and technology - INTEGRATED from start
- DETERMINE geographic certainty of all coastal features
- INVEST in existing communities of practice
- MAXIMISE value of investment/data
- ENGAGE with regional States
- SHARE tools and experience to reduce cost adopted by other States

The map displays the Pacific Ocean region, highlighting the maritime boundaries of various countries. The landmasses are shown in brown, while the ocean areas are light blue. Red lines indicate the boundaries of the project countries, which include the Marshall Islands, Kiribati, Tuvalu, Samoa, Cook Islands, Niue, French Polynesia, Pitcairn Island, New Zealand, and Australia. The map also shows the boundaries of other countries in the region, such as the United States, Canada, Mexico, Central America, and South America. A legend in the bottom right corner explains the symbols used for the boundaries.

REGIONAL MARITIME BOUNDARIES PROJECT COUNTRIES

Legend

- Tripartite agreements
- Original status of the signed maritime boundary agreements (1980)
- Territories agreed with the support of the Regional Maritime Boundaries Unit of the Secretariat Division of EPC (17)
- Historical EEZ boundaries yet to be negotiated
- Declared & Lodged Baselines (AGS and Normal)
- Declared & Lodged Territorial Seas (12 Nautical miles-40)
- Declared & Lodged Contiguous Zone (24 NM)
- Declared & Lodged Exclusive Economic Zones (200 NM)
- Pacific Islands Submissions for potential claims of Continental Shelf (approximate 100' maximum) under Article 76 of UNCLOS
- Exclusive Economic Zones of countries outside the scope of the Regional Maritime Boundaries Unit
- Land area

NOTES

- This map is based on only agreed or potential maritime jurisdictions of the 16 Project countries supported by the EPC Regional Maritime Boundaries Unit as at May 2016.
- This map is intended solely for informational purposes and may contain errors.
- This map is not to be used for navigation purposes.
- National maritime claims are subject to sovereignty disputes between Canada & Venezuela, and Chile & Ecuador, and are subject to ongoing negotiations between the two parties.
- National maritime claims are subject to ongoing negotiations between the two parties.
- This is a full-scale map, similar to those used in international law, and shown as the territorial claim, in white space on this map.
- This map was produced by the Secretariat Division of EPC's Regional Maritime Boundaries Unit, funded by the Government of Australia.
- All of the 16 Project Countries are signatories to the United Nations Convention on the Law of the Sea.
- Further information about this map can be obtained from the Director, Secretariat Division of EPC, Private Mail Bag, P.O. Box 100, Wellington.
- This document was compiled by E. Atkinson (Secretariat Division, December 2016).

Sources:

- United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1).
- United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1).
- United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1).
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Map data: Map data is derived from the following sources: 1. E. Atkinson (Secretariat Division, December 2016). 2. United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1). 3. United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1). 4. United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1). 5. United Nations, G. Blundell (2010) "South Pacific Region: Maritime Claims" (SPR/MC/10/1).

- # Delivering Legal Certainty for Electronic
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Our stakeholders



Improving Marine Space Governance

Problem:

Poor access to spatial component of offshore regulation and the basis of Government decision making.

Lack of legal certainty in spatial data used to administer marine space

Why:

- No centralized discovery, agencies do not publish information
- No mechanism to include electronic spatial data in legislation – required to give certainty for electronic spatial data
- Absence of policies and standards to support above

Solution

Framework for creating and distributing legally authoritative spatial data – changes to drafting practice/FRLI AMSIS/Marine Cadastre

International Standards for exchange maritime boundary data, including sectoral boundaries S121...

Facilitate responsible agencies to release their own spatial regulation, and sectorally specific decision making datasets

Build a community of practice for communication between agencies and countries.



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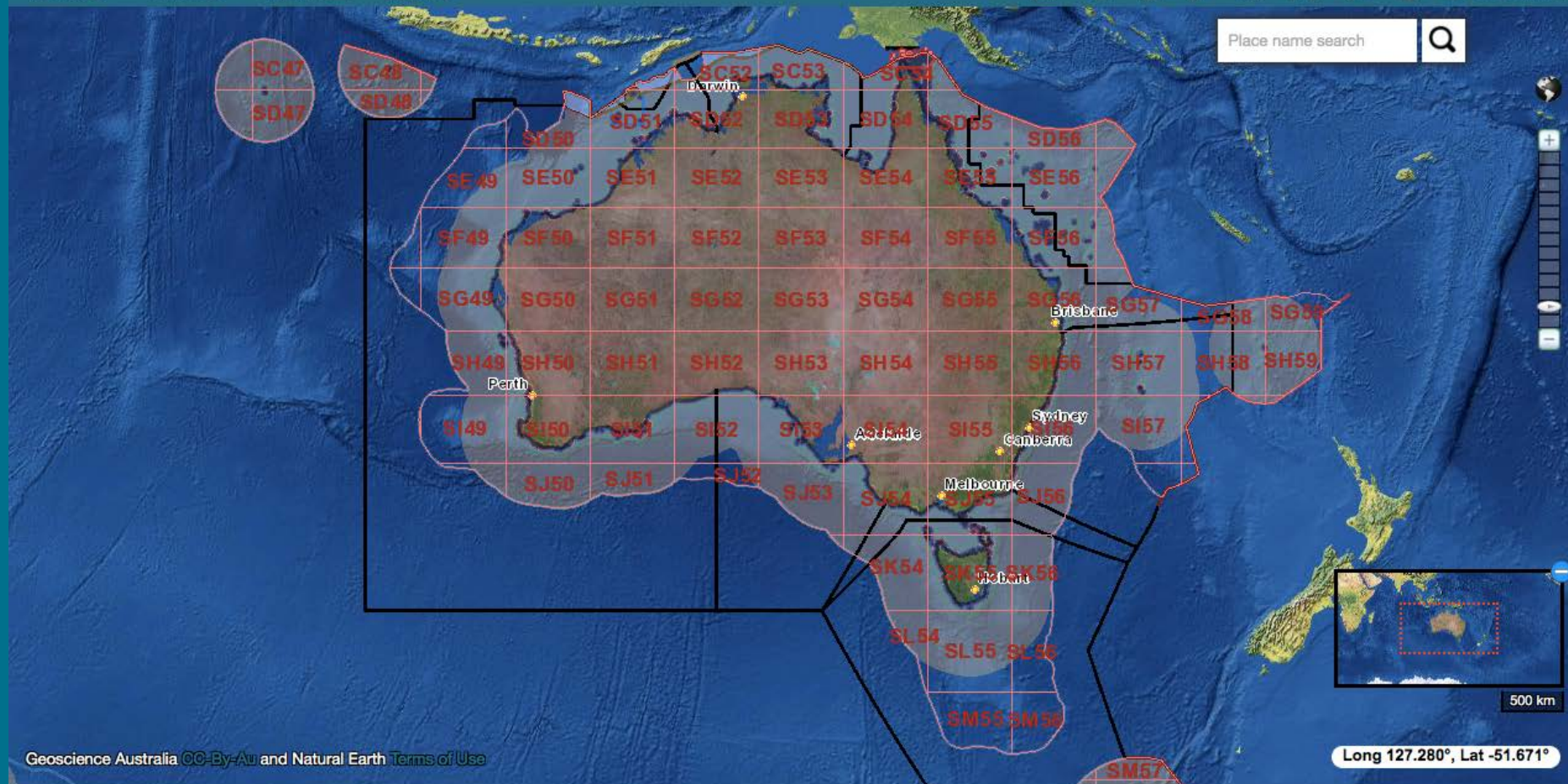
Seas and Submerged Lands Act 1973 Related Maps ▾



About ⓘ Layers Legend Maps



Place name search



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Long 127.280°, Lat -51.671°



US Marine Cadstre – International co-ordination

The screenshot shows the homepage of the MarineCadastre.gov website. The header features the site name and navigation links for Maps, Data, Uses, Tools, News, and About. The main banner, titled 'An Ocean of Information', describes the site as a joint BOEM and NOAA initiative for offshore energy and marine planning. It includes three large orange buttons for 'Maps', 'Data', and 'Uses'. Below this is a 'Features' section with three featured areas: 'Deep Sea Coral Observations' (with a 3D coral model), 'South Carolina Offshore' (with a map of the state and offshore areas), and 'Delaware Coastal Program' (with a map of the Delaware Bay area). A vertical sidebar on the left is labeled 'Contact and Follow'.

MarineCadastre.gov

Maps Data Uses Tools News About

An Ocean of Information

A joint BOEM and NOAA initiative providing authoritative data to meet the needs of the offshore energy and marine planning communities.

Maps Data Uses

Features

Deep Sea Coral Observations

South Carolina Offshore

Delaware Coastal Program

Contact and Follow

Data Registry

The MarineCadastr.gov Data Registry provides direct access to data currently available through MarineCadastr.gov. Filter the data by provider, thematic category, geographic region, and service type. If you are looking for a data set that is currently not available on MarineCadastr.gov, please email us.

MarineCadastr.gov works with data sources to provide highest quality data sets available. When using data for planning purposes, please read the associated metadata and use constraints to be sure the data will meet your needs.

Sign up to receive email updates on changes to our map services.

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Military Ship Shock Boxes: Atlantic / Gulf of Mexico
U.S. Navy

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National Marine Sanctuaries Act
NOAA Office for Coastal Management

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12NM Territorial Sea
NOAA Office of Coast Survey

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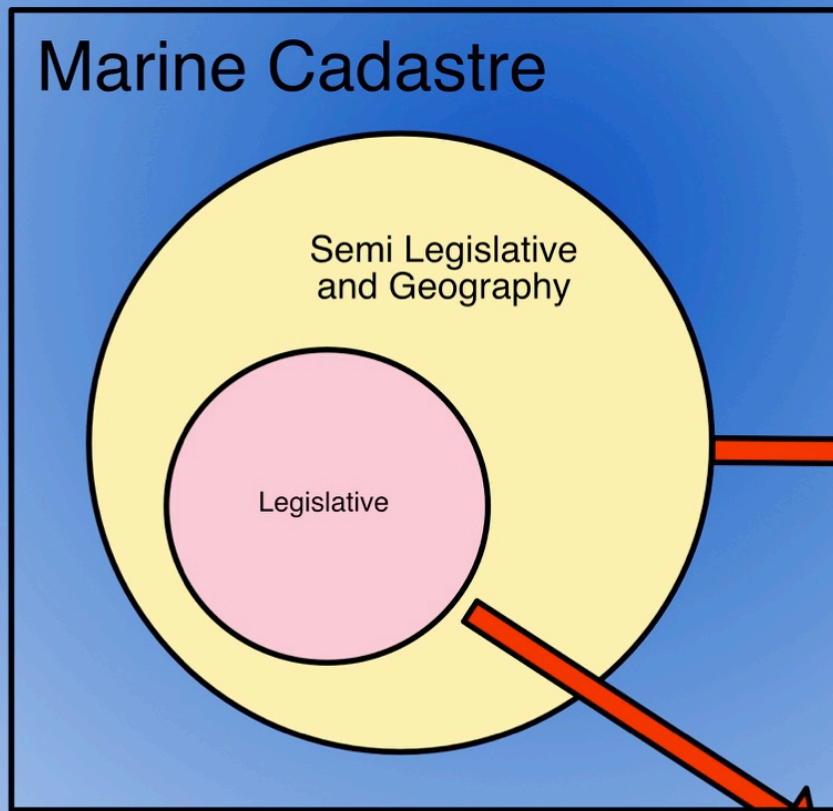
200NM EEZ and Maritime Boundaries
NOAA Office of Coast Survey

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Raw Industry data survey data Science data

Offshore survey data
fishing obs
oceanography
weather
environmental obs
science and industry studies



Infrastructure
prospectivity
physical geography
geology
Hydrography/Navigation
shipping density and makeup
fishing effort/fish distribution
official distribution of
protected species
.....etc

Legislation and
legislative instruments
Gazettals

Metadata priorities

- Discoverability and basic utility for non-technical users
- Structured keywords to allow automated generation of content
- Ability to link to FRLI/source of legal information

Generalised work program

Coastline

Determine baselines

Calculate limits

Prepare proclamations



2020

Develop AMSIS – Australian Marine Cadastre

Our Role

Lead S121 standard development

- Chair committee (40 countries); Build data model

Influence broad implementation of standard

- Reduce unnecessary complexity in standard
- Build and deliver implementation tools
- Build/use collaborative relationships to drive use

Coordination marine agencies to improve visibility and authority of georegulatory information

- AMSIS/marine cadastre
- Direct support
- Collaboration with AGD on legal aspects

Ongoing requirements

Complete mapping of the coastline, integrate with freshwater data (coastline and water network)

Resolve revised baselines with States (before 2020)

Support for Australia's delimitations (ET..) (ongoing)

Complete continental shelf delineation (?)

Establishment of S121 standard at IHO (by 2018)

Adoption of S121 at FRLI as mechanism for schedules in Acts (in 2019)

Proclamation of digital maritime limits (2020)

Support establishment of digital repository for maritime boundary at UN DOALOS (underway)

Ongoing requirements

Finish AHS LADS surveys over Australian reefs

Software enhancements to reduce costs of generating maritime boundary data (productivity)

Enhancements to Interactive maps

Shallow water bathymetry collation and visualisation to support MB definition and delimitation

Coastal outputs of Cube extended to all areas less than 50m (desirable to extend to Pacific)

Opportunities

Primary mechanism for MSP/operational/admin - Improved management of Australia's marine space

AMSIS/ Marine Cadastre is opportunity for GA to deliver greater value from large data holdings

- Integration of terrestrial information, EO data,
- Value add defence 50k data
- Extension of minimum dependency model of managing information

Greater maturity in online delivery framework (Shared service cloud delivery, better web services, portal design/usability)

Cwth agencies to invest in delivering data that supports their sectoral needs, co-ordination between sectors.



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