Introduction

Australia's Oceans Policy

Australia's Oceans Policy was launched by the Australian Government in 1998, the International Year of the Ocean. The Policy has a number of aims, including: exercising and protecting Australia's rights over its marine jurisdiction; meeting obligations under the United Nations Convention on the Law of the Sea (UNCLOS); understanding and protecting the marine environment; promoting ecologically sustainable economic development: and establishing integrated planning and management.



Regional Marine Planning

At the core of Australia's Oceans Policy is regional marine planning, which aims to put in place a management regime at the large marine ecosystem level. Regional marine plans will integrate economic, environmental, social and cultural objectives. The plans will provide a focus for coordination between existing and developing ocean uses and the range of sectoral and administrative agencies with responsibility for marine systems. The first regional marine plan was released in May 2004 for the South-east Marine Region.

Northern Planning Area

Planning is now underway in the Northern Planning Area.

The Area covers the Torres Strait, the Gulf of Carpentaria and eastern Arafura Sea (to a line 133°23' East, which coincides with the Goulburn Islands).

The Northern Planning Area is a region of great diversity in its land and sea scapes, its biodiversity and its people. It is an area of rich Indigenous cultural diversity but with a sparse population, located chiefly in isolated communities. Its main industries are fishing and mining, but compared with much of Australia's marine domain, it is economically largely undeveloped.

Marine planning in the Torres Strait is being considered as part of a separate process and is not covered by the arrangements agreed between the Queensland and Australian Governments for scoping the northern marine planning process. This is in recognition of the distinct ecological, cultural and institutional arrangements that characterise the Torres Strait.

The National Oceans Office

The National Oceans Office was formally established on 22 December 1999. The Office, based in Hobart, is responsible for the implementation and further development of Australia's Oceans Policy. The Office is responsible for managing the development of regional marine plans around Australia.

The National Oceans Office coordinates a National Science Work Program to provide scientific information to support implementation of Australia's Oceans Policy through regional marine plans. Examples of relevant scientific information include bioregionalisation, socio-economic and marine scientific datasets and performance assessment.

The focus of the National Science Work Program is on priority projects that are more efficiently and effectively undertaken on a national scale or are critical for work in priority areas for regional marine planning. This national approach provides considerable efficiency gains over a "region by region" approach. It also ensures a level of consistency between regions and opportunities to link with, and add value to, existing or planned activities of science agencies, including international collaboration.

A senior level Oceans Policy Science Advisory Group and technical Working Groups provide advice and direction for the National Science Work Program. One major focus for the Program is a National Mapping Project.



This Atlas

This atlas contains a series of maps depicting the non-fisheries uses of Australia's marine jurisdiction within the Northern Planning Area. The atlas has been prepared for the National Oceans Office as the result of a national project involving the collation of marine-related datasets of various standards and formats from numerous organisations, including State and Australian Government agencies, private organisations and scientific research agencies.

The aim of this atlas is to demonstrate where activities occur and interact with each other in Australia's marine jurisdiction.

In order to focus on the marine environment, in most cases only information that is within 50 kilometres inland of the coast is depicted.



Other Atlas Documents

This Northern Atlas, which contains a set of maps for the Northern Planning Area, is complemented by a similar hard copy atlas that contains a series of National maps. Maps for other regions are available on-line at the website of the National Oceans Office

(http://www.oceans.gov.au/nonfish_atlas.jsp) and also on CD-ROM.

Each Regional Atlas contains a similar set of information.

Spatial Datasets

The datasets drawn on to produce the maps contained in this atlas have been sourced from a large number of organisations. A list of organisations from which data has been obtained is included in Chapter 7.

Neptune

Additional details on the datasets used can be sourced from the National Oceans Office metadata database called NEPTUNE (viewable at http://neptune.oceans.gov.au.) A description of all map products is also available on NEPTUNE.

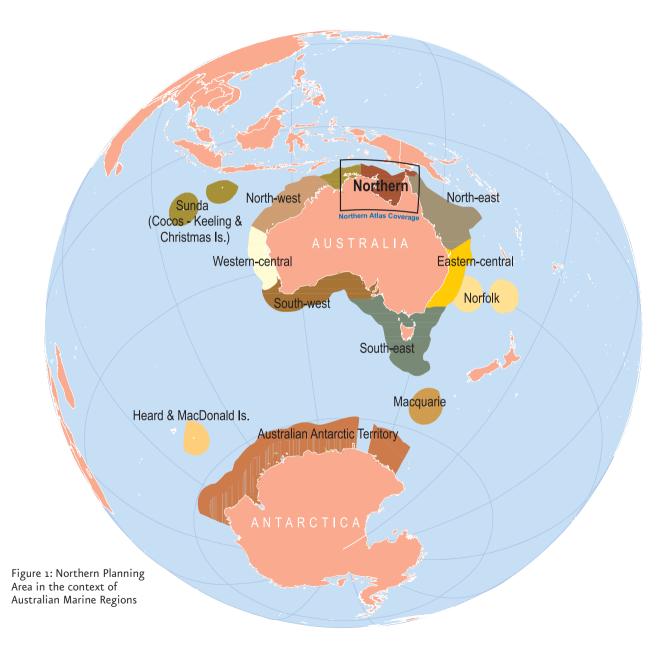






DESCRIPTION OF AUSTRALIAN MARINE REGIONS

Maps in this atlas include a set of maps for the Northern Planning Area. A further series of maps has been created, based on the marine regions identified in Figure 1. These regions have been defined by the existence of large ecosystems within Australia's marine jurisdiction and do not specifically relate to jurisdictional or regional marine planning boundaries.





Northern Marine Region

The Northern Region covers about 860 thousand square kilometres of water off the Northern Territory and Oueensland coast, and includes the Torres Strait and the Gulf of Carpentaria. The Region extends from Admiralty Gulf, Northern Territory in the west to north-west Queensland, where it includes the west side of the Cape York Peninsula.

North-west Marine Region

The North-west Region covers about 980 thousand square kilometres of water off northern Western Australia, and includes Ashmore Reef and Exmouth Gulf. The Region extends from Admiralty Gulf in the north-east, to around the town of Exmouth in the south (at latitude 21° 48'S).

Western-central Marine Region

The Western-central Region covers about 620 thousand square kilometres of water off central Western Australia, and includes Shark Bay. The Region extends from around the town of Exmouth in the north (at latitude 21° 48'S) to Perth in the south (at latitude 31° 58'S).

South-west Marine Region

The South-west Region covers about 1.1 million square kilometres of water off southern Western Australia and South Australia, and includes the Great Australian Bight and Kangaroo Island. The Region extends from Perth in the west (at latitude 31°58'S) to Victor Harbor, South Australia in the east (at 138° 5'E and 35° 37'S).

South-east Marine Region

The South-east Region covers more than 1.2 million square kilometres of water off eastern South Australia, Victoria, Tasmania, and southern New South Wales, and includes Bass Strait and Macquarie Island. The Region extends from Victor Harbor, South Australia in the west to Bermagui, NSW (south of latitude 36° 30'S) in the east.

Eastern-central Marine Region

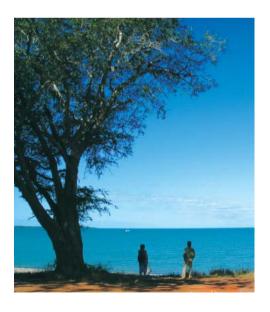
The Eastern-central Region covers about 720 thousand square kilometres of water off central and northern New South Wales and southern Queensland, and includes the waters off Sydney, Brisbane and Fraser Island. The Region extends from Bermagui, NSW (at latitude 36° 30'S) in the south, to Lady Elliot Island, Queensland (at latitude 24° 17'S) in the north.

North-east Marine Region

The North-east Region covers more than 1.3 million square kilometres of water off central and northern Queensland, and includes the Great Barrier Reef and Whitsunday Islands. The Region extends from Lady Elliot Island (at latitude 24° 17'S) in the south, to around Cape York (at latitude 10° 41'S) in the north.

Sunda Marine Region

The Sunda Region covers two separate areas totalling more than 1.1 million square kilometres of water off Cocos Island and Christmas Island. These islands are located about 1.2 thousand and 2.2 thousand kilometres respectively from Exmouth in north-west Western Australia.







DESCRIPTION OF MAP THEMES

Maps in this atlas are presented under a series of non-fisheries marine-related themes for the Northern Planning Area. The maps aim to show important mappable themes for non-fisheries uses in Australia's marine jurisdiction. The atlas specifically excludes fisheries information (including aquaculture), including the social and economic component of fisheries.

Atlas maps themes are listed below with a brief explanation of the information shown in each theme.



Cultural Heritage

- Shipwrecks
- Coastal fortifications
- Custom houses

Indigenous

- Native Title claims and Indigenous land use agreements
- Language group map

Natural Heritage

- Marine protected areas
- Coastal protected areas
- Selected listed species
- Introduced marine species
- Threatened species
- Marine and Coastal Community Network membership

Ocean Disposal

- Pollution
- Sewerage waste facilities
- Ocean disposal sites

Petroleum/ Mining

- Petroleum titles, current leases and new acreage
- Seismic surveys
- Oil and gas wells
- Petroleum fields and infrastructure
- Offshore mining sites

Research

- Wave rider buoys
- Tide gauges
- Marine research institutes
- Marine research voyages
- Argo floats
- Mean annual average wave heights

Shipping

- Lighthouses
- Shipping routes
- Ports



- Port statistics
- Port limitations

Tourism, Recreation, Sport

- Boat ramps
- Charter boat operations

Miscellaneous

- Australian coast guard operational areas
- Jurisdictional boundaries

Multiple Use Maps

Interactions between various uses across the marine jurisdiction



BASE MAP DETAILS

An explanation of base map symbology used on each map is described in this chapter. This information has not been shown on individual maps due to space limitations and to reduce unnecessary clutter. The information presented should be cross referenced when viewing individual atlas maps.

Datum and Projections

All maps are in geographic projection.



Map Scale

Map scales are:

Northern Marine Planning Area 1:6.6M Torres Strait 1:2.3M

Reference Maps

A reference map is provided as the first map in both the Northern and Torres Strait series of maps. This map contains information that is not included on other maps in the atlas. The map is provided for reference purposes to clarify key geographical features and place names.

Map Data Caveats

Atlas maps presented in this publication should be viewed in conjunction with the Map Data Caveats detailed in Chapter 6.

Disclaimer Information

The National Oceans Office and Spatial Vision make no claims as to the accuracy of the information shown on maps contained in this atlas, or the accuracy of information provided by third parties.

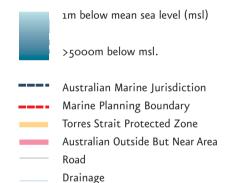
While every effort has been made to ensure that the information is accurate, the National Oceans Office and Spatial Vision will not accept any liability for any loss or damage which may be incurred by any person acting in reliance upon the information.

The maps have been prepared for illustrative purposes only and should not be used for navigation purposes.

EXPLANATION OF MAP SYMBOLS ON BASE MAPS

Bathymetry

Bathymetric depth (depth below mean sea level)







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Chapter 5

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