

**MARINE RESERVE IMPLEMENTATION:
WALPOLE-NORNALUP INLET**

**BIBLIOGRAPHY OF ECOLOGICAL AND SOCIAL
INFORMATION RELEVANT TO
THE WALPOLE-NORNALUP INLET**

Bibliographic Report: MRI/WSC/WNI-57/2001



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ASSISTANCE:

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COVER: *Walpole-Nornalup Inlet photo courtesy of Dr David Deeley (Acacia Springs Environmental)*

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Copies of this report may be obtained from:

Marine Conservation Branch
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47 Henry St., Fremantle, Western Australia, 6160
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1 INTRODUCTION

In 1986, the Minister for the Environment established the Marine Parks and Reserves Selection Working Group (MPSRWG) to identify areas worthy of protection for conservation, scientific and public recreation purposes. To that end, in 1994, the MPSRWG released a report (Department of Conservation and Land Management, 1994) which highlighted 70 candidate areas throughout the State for possible reservation.

The Marine Parks and Reserves Authority (MPRA) was created in 1997, in accordance with amendments made to the *Conservation and Land Management Act (1984)*. One of the early tasks undertaken by the MPRA was a prioritization of the 70 MPSRWG candidate areas. The Walpole-Nornalup Inlet region was identified by the MPRA as one of the five areas of highest priority for reservation as a marine conservation reserve under the *Conservation and Land Management Act*.

The Western Australian State Government's strategy for marine conservation, as discussed in *New Horizons; the way ahead in marine conservation and management* (Department of Conservation and Land Management, undated), describes how a region, once identified for possible reservation, must be further assessed in terms of its biological, commercial and recreational values. This bibliography serves as a preliminary insight into the depth and availability of information concerning the ecological and social values of the Walpole-Nornalup Inlet region.

This bibliography was initiated by the Marine Conservation Branch of the Department of Conservation and Land Management, as a contribution to the planning process for the implementation of a marine conservation reserve. The 49 publications listed within this report form a bibliography derived from a wide variety of sources including universities, community groups, the Department of Conservation and Land Management, and other local, State and Commonwealth government agencies. The procedures outlined in the framework for the development of a bibliographical database (Appendix I) were followed in the creation of this report and database.

2 BIBLIOGRAPHIC DATABASE

The bibliography was compiled using an electronic database, namely *EndNote Version 4* (ISI ResearchSoft). Reference details including keywords (Appendix II) have been assigned to each entry and can be used to search for associated references using the *EndNote* search capabilities.

The following coding system was used to highlight the location where references are held. In chapter 4 (Bibliography), the relevant code has been included at the end of each entry in bold in parentheses:

- **(MCB)** – Marine Conservation Branch Library
- **(FD)** – Department of Conservation and Land Management Frankland District Library
- **(MDU)** – Murdoch University Library
- **(CU)** – Curtin University Library (Robertson Library)
- **(UWA)** – University of Western Australia Library
- **(ECU)** – Edith Cowan University library
- **(CSL)** – Department of Conservation and Land Management Science Library (Woodvale)
- **(DEP)** – Department of Environmental Protection library
- **(WRC)** – Water and Rivers Commission
- **(FWA)** – Fisheries Western Australia library

3 DATA MANAGEMENT

3.1 REPORT

Hard copies of this report will be held at five locations:

1. Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St., Fremantle, Western Australia, 6160. Ph. (08) 9432 5100 Fax. (08) 9430 5408.
2. Woodvale Library, Science and Information Division, Department of Conservation and Land Management, Ocean Reef Rd., Woodvale, Western Australia, 6026. Ph. (08) 9405 5100 Fax. (08) 9306 1641.
3. Archives, Woodvale Library, Science and Information Division, Department of Conservation and Land Management, Ocean Reef Rd., Woodvale, Western Australia, 6026. Ph. (08) 9405 5100 Fax. (08) 9306 1641.
4. Frankland District, Department of Conservation and Land Management, South Coast Highway, Walpole, Western Australia, 6398. Ph. (08) 9840 1027 Fax. (08) 9840 1251.
5. Warren Region, Department of Conservation and Land Management, Brain Street, Manjimup, Western Australia, 6258. Ph. (08) 9771 7948 Fax. (08) 9771 1363.

The Marine Conservation Branch will hold digital copies of this report:

1. On CD-ROM [MRI_5701]
2. On the MCB homepage of the Department of Conservation and Land Management Intranet, CALMweb:
http://calmweb.calm.wa.gov.au/drb/ned/mcb/rep_pdf/mri_reps/mri_2001/mrireps01.htm#mri_5701

3.2 DATABASE

The bibliographic database will be located as follows:

1. On the Marine Conservation Branch (MCB) Server, accessible via the following directory pathway:
[\[T:\144-Marine Conservation Branch\Shared Data\Databases\Biological inventory\WNI Biblio Dbase.enl\]](T:\144-Marine Conservation Branch\Shared Data\Databases\Biological inventory\WNI Biblio Dbase.enl)
2. On the MCB Server full backup DAT tape, which is held by the MCB administration office and is labelled as:
[\[T:\144-Marine Conservation Branch\Shared Data\Databases\Biological inventory\WNI Biblio Dbase.enl\]](T:\144-Marine Conservation Branch\Shared Data\Databases\Biological inventory\WNI Biblio Dbase.enl)
3. On CD-ROM [MRI_5701] at the Frankland District Office, Department of Conservation and Land Management.
4. On CD-ROM [MRI_5701] at the Warren Regional Office, Department of Conservation and Land Management, Brain Street, Manjimup, Western Australia, 6258. Ph. (08) 9771 7948 Fax. (08) 9771 1363.

3.3 DATABASE MAINTENANCE

Maintenance of the database will be the responsibility of the Department of Conservation and Land Management's Frankland District Office. Information regarding omissions or new references will be gratefully accepted by that office. Contact details for the Frankland District office are as follows:

Frankland District Office
Department of Conservation and Land Management
South Coast Hwy
Walpole, Western Australia 6398
Phone: (08) 9840 1027; Fax: (08) 9840 1251

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APPENDICES

APPENDIX I: FRAMEWORK FOR THE DEVELOPMENT OF A BIBLIOGRAPHIC DATABASE.

This framework is a generic guideline for the development of a bibliographic database of marine scientific research undertaken within an existing or proposed marine conservation reserve. The bibliographic database will assist in the determination of areas of research required for the implementation and management of marine conservation reserves.

There are four major steps:

- Step 1 - Data gathering and compilation.
- Step 2 - Database references.
- Step 3 - Peer review.
- Step 4 - Maintenance.

STEP 1: Data gathering and compilation

Gather and compile a bibliographic list of existing marine scientific research, conducted in or making reference to the area of interest. This information may be obtained from the following sources:

- i. Libraries;
- ii. CALM Districts and Regional offices;
- iii. Other State government organisations including:
 - Fisheries Western Australia (FWA);
 - Environmental Protection Authority (EPA);
 - Department of Environmental Protection (DEP);
 - Department of Mineral and Petroleum Resources (DMPR);
 - Department of Minerals and Energy (DOME);
 - Department of Resources Development (DRD);
 - Western Australian Museum;
- iv. Commonwealth government organisations including:
 - Commonwealth Science and Industry Research Organisation (CSIRO);
 - Australian Geographical Survey Organisation (AGSO);
 - Australian Institute of Marine Science (AIMS);
 - Environment Australia (EA);
- v. Universities and other academic institutions.

Links to marine scientific research may also be obtained through correspondence with scientists whose contact details may be extracted from the Department's research licensing database, held at the Wildlife Conservation Section of the Wildlife Branch. Contact details of the Wildlife Branch are as follows:

Department of Conservation and Land Management
Wildlife Conservation Section
Locked Bag 104
Bentley Delivery Centre WA 6983
Ph: 08 9334 0455; Fax: 08 93340278

STEP 2: Database references

Compile the bibliography as an electronic database, using the bibliographic management software *EndNote V. 4* (ISI ResearchSoft). *EndNote* may be obtained from:

Crandon Services Pty. Ltd.
PO Box 337
LAURIETON NSW 2443
Ph: 02 6559 5777; Fax: 02 6559 5577
Web site: <http://www.crandon.com.au/>

Ensure that the appropriate reference details are assigned to all entries in the database. For example:

- the type of reference (journal, book, report, proceedings of a conference, etc.);
- author/s (avoid using *et al.*);
- date of printing;
- correct title;
- ensure that all source information is entered (journal name, volume, and issue, editor/s, book details, etc.), and;
- assign appropriate keywords (*see* Appendix II).

STEP 3: Peer review

Copies of the draft bibliography should be sent to the appropriate Department of Conservation and Land Management district and regional offices, Marine Conservation Branch, government institutions and leaders in the marine scientific research field for review.

STEP 4: Maintenance

Copies of the database will be held at the appropriate Department of Conservation and Land Management district office and will be available upon request. The maintenance of the database will also be the responsibility of the district office.

APPENDIX II: LIST OF KEYWORDS USED IN THE BIBLIOGRAPHIC DATABASE.

Aboriginal
Agriculture
CALM
Climate
Biological survey
Ecological health
Education
Enclosed marine waters
Estuarine
Estuarine ecology
Estuary
Estuary morphology
Eutrophication
Historical landuse
History
Hydrology
Indicator
Inventory
Landuse
Legislation
Management plan
Marine
Marine resource
Marine wildlife
MCB report
National park
Operational procedure
Protected areas
Recreation
River
South coast
Tourist
Walpole
Water quality
Western Australia
Wetland

