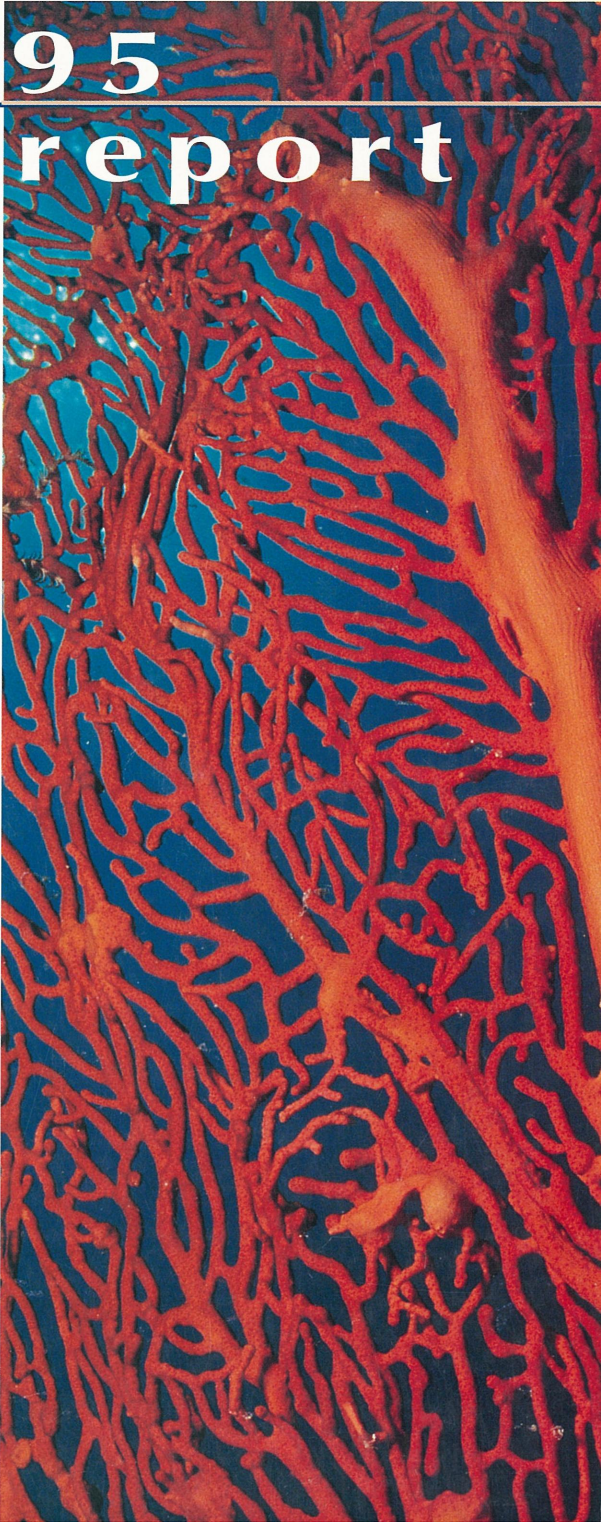




# 1994-1995 annual report



NOT  
FOR  
LOAN



Great Barrier Reef  
Marine Park  
Authority

John Robertson.

1994-1995

annual  
report



Great Barrier Reef  
Marine Park  
Authority

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Front cover photograph: A gorgonian or sea fan on the Great Barrier Reef. *Source Pelagic Eye*

Great Barrier Reef Marine Park Authority  
PO Box 1379  
Townsville Qld 4810

6 October 1995

Senator the Hon. John Faulkner  
Minister for the Environment, Sport and Territories  
Parliament House  
Canberra ACT 2600

Dear Minister

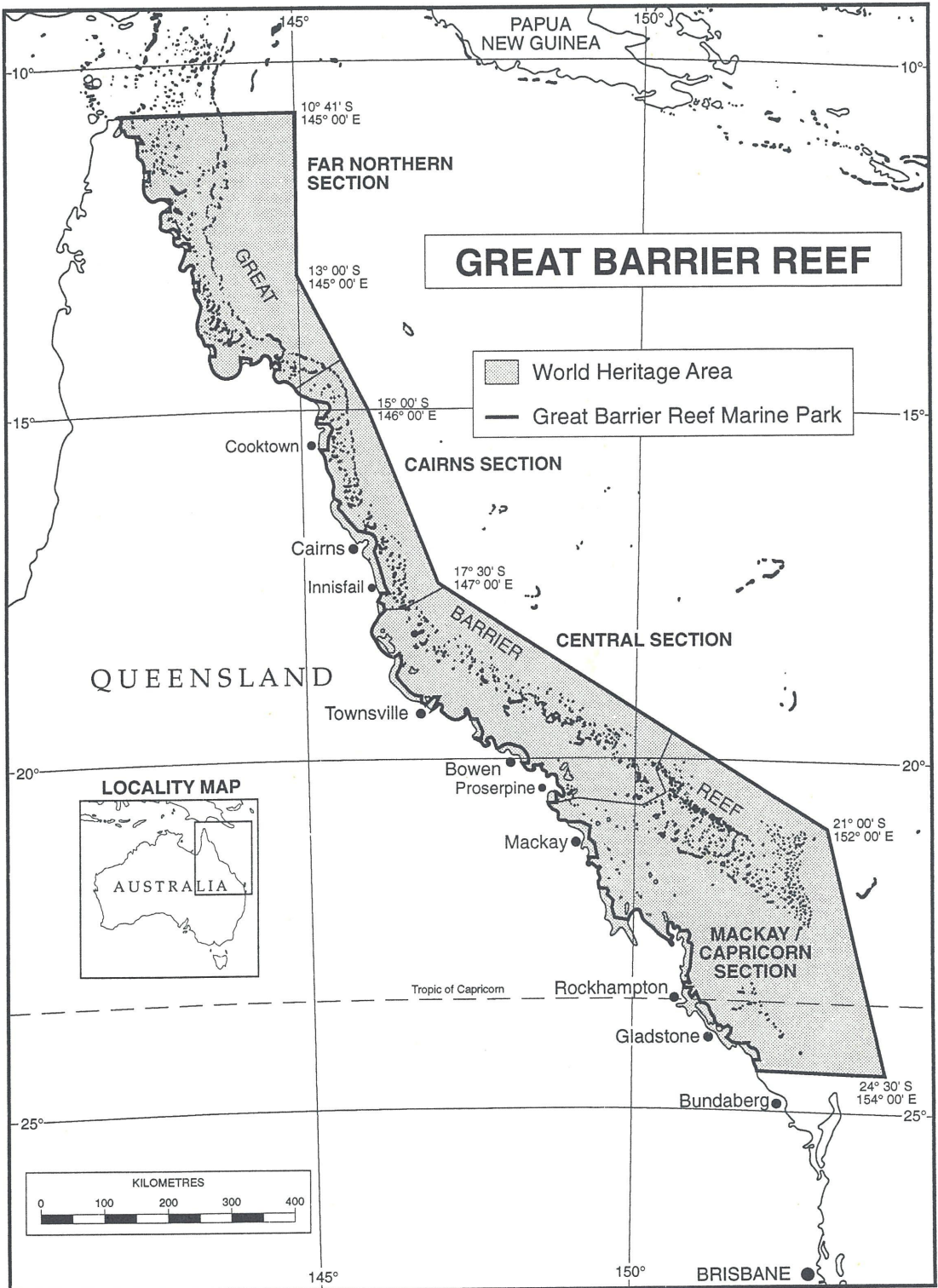
In accordance with section 63 of the *Audit Act 1901*, I submit the Annual Report of the Great Barrier Reef Marine Park Authority for the year ended 30 June 1995.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'Ian McPhail', written in dark ink.

Ian McPhail

Chairperson



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# from the chairperson

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The Great Barrier Reef in all its majesty, magnificence, and beauty is understandably rated as one of the eight natural wonders of the world, and was the first Australian site inscribed on the World Heritage List. The region is awesome and so is the management task. Therefore it is with a great sense of challenge that I have entered into the position of Chairperson of the Great Barrier Reef Marine Park Authority.

I am very conscious of the responsibility of replacing Professor Graeme Kelleher, AM, my distinguished predecessor. Graeme was Chair for some 15 years of the Authority's 20-year existence. He created the first comprehensive ecologically sustainable management regime of a large ecosystem. Today the Great Barrier Reef Marine Park Authority is a model much admired and used by many countries as they seek to create multiple-use management arrangements within a conservation purpose for their marine areas. Much of the credit for this world standing must go to Graeme Kelleher for his drive and inspirational leadership.

Professor Kelleher was ably assisted by Dr Don Kinsey and Dr Wendy Craik, successively Executive Officers of the Authority, and managers of the Townsville operation. I am particularly grateful to Dr Craik for the warmth and generosity of her welcome and support, and I have relied upon her greatly as Executive Officer, as the repository of corporate knowledge and as a distinguished scientist in her own right. It is therefore with both admiration and regret that I record her appointment as Executive Director of the National Farmers' Federation. Admiration, because Wendy has been appointed to a leadership position in one of Australia's most significant industry organisations, and regret at the great loss which we have sustained. Our gratitude for her contribution to the Great Barrier Reef Marine Park is boundless.

It is trite, but accurate, to observe that without human use of the region, there would be no need for a management system to be put in place. Originally it was the threat of mining and of oil and gas exploration that led to the establishment of the Marine Park. Twenty years on, the cumulative impacts of tourism, fishing, coastal development and agriculture, both intensive and pastoral, require great prudence in the management of the region to ensure that these activities remain sustainable, their economic contribution maintained, and above all the natural systems are protected and even enhanced.

These management demands must be understood within two expanding dimensions. Aboriginal and Torres Strait Islander interests have emerged as a key consideration in the management of the region. The Mabo decision of the High Court of Australia, as well as the reconciliation process, have meant that the future approach to management requires the closest involvement with indigenous peoples. Following a legislative amendment, the process of appointment on the Authority of the first person to represent the interests of Aboriginal communities adjacent to the Marine Park is now under way. The other expanding dimension is that of the obligations which World Heritage status imposes on the management authority. Australia, more than any country in the world, has developed a legislative approach and a jurisprudence to these areas. The Authority is seeking to determine the content of World Heritage values and apply these explicitly to the management regime. Management of the World Heritage Area is broader and more encompassing than management of the Great Barrier Reef Marine Park. This was exemplified very clearly in our involvement in the Port Hinchinbrook development. The Authority is now turning toward explicit management for the maintenance of World Heritage values, in partnership with the other government agencies and organisations involved.

from the chairperson

2

The Authority is a lighthouse development. It constituted probably the world's first such management agency dedicated to resource management on an ecologically sustainable basis. And all of this before the phrase entered common usage. However, the effectiveness of the legislation and the management authority would be severely limited if it was not for the sense of ownership of the Great Barrier Reef exhibited by the people of the region and of Australia. The first twenty years of the Marine Park have been years of partnerships with users, stakeholders and the community. It is the maintenance of these relationships through consultation, discussion and trust, that will be necessary in the next twenty years, to maintain this commitment to the Reef.

The success of the Authority has also depended upon an outstanding staff, dedicated and committed well beyond the basic requirements of each job. For them, the maintenance of this natural system is their commitment and their challenge. I am honoured to join such a fine group of people.



Ian McPhail  
Chairperson

# operation of the great barrier reef marine park authority

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## Great Barrier Reef Marine Park Authority

The Authority is the principal adviser to the Commonwealth Government on the care and development of the Great Barrier Reef Marine Park. The Authority was established under the *Great Barrier Reef Marine Park Act 1975* as a Commonwealth statutory body. It began operations in 1976, and has consisted of a full-time Chairperson and two part-time members, one of whom is nominated by the Queensland Government. In April 1995, a further part-time position was created to represent the interests of the Aboriginal communities adjacent to the Great Barrier Reef Marine Park. The position had not been filled as at 30 June 1995. This position was created through an amendment to the Act at the same time as the position of Chairman was replaced with the new position of Chairperson.

Specific functions of the Great Barrier Reef Marine Park Authority are defined in sections 7 and 7A of the Great Barrier Reef Marine Park Act and were amended in April 1995 to provide for the making of management plans for the Marine Park.

Below is the statement of the Authority's goal and aims. The statement has been derived from, and is consistent with, the object of the Act and the functions and powers as set out in the Act.

It is the Authority's goal to provide for the protection, wise use, understanding and enjoyment of the Great Barrier Reef in perpetuity through the care and development of the Great Barrier Reef Marine Park.

The aims are subordinate to the primary goal and must be read in conjunction with it and with each other.

- To protect the natural qualities of the Great Barrier Reef, while providing for reasonable use of the Reef Region.
- To involve the community meaningfully in the care and development of the Marine Park.
- To achieve competence and fairness in the care and development of the Marine

Park through the conduct of research, and the deliberate acquisition, use and dissemination of relevant information from research and other sources.

- To provide for economic development consistent with meeting the goal and other aims of the Authority.
- To achieve integrated management of the Great Barrier Reef through active leadership and through constantly seeking improvements in coordinated management.
- To achieve management of the Marine Park primarily through the community's commitment to the protection of the Great Barrier Reef and its understanding and acceptance of the provisions of zoning, regulations and management practices.
- To provide recognition of Aboriginal and Torres Strait Islander traditional affiliations and rights in management of the Marine Park.
- To minimise costs of caring for and developing the Marine Park consistent with meeting the goal and other aims of the Authority.
- To minimise regulation of, and interference in, human activities, consistent with meeting the goal and other aims of the Authority.
- To achieve its goal and other aims by employing people of high calibre, assisting them to reach their full potential, providing a rewarding, useful and caring work environment, and encouraging them to pursue relevant training and development opportunities.
- To make the Authority's expertise available nationally and internationally.
- To adapt actively the Marine Park and the operations of the Authority to changing circumstances.

## Subsidiaries

The Great Barrier Reef Marine Park Authority has no subsidiaries. However, certain functions are carried out in conjunction with other State and Commonwealth organisations including the Queensland Department of Environment and Heritage, which has responsibility for day-to-day management of the Great Barrier Reef Marine Park subject to the Authority. Certain powers of the Authority have been delegated to positions in other organisations.

## The Minister

Senator the Hon. John Faulkner is the Minister for the Environment, Sport and Territories with portfolio responsibilities for Great Barrier Reef Marine Park matters.

The Act provides that the Authority '... shall perform its functions in accordance

with any general directions given by the Minister not inconsistent with this Act'. No such directions were given to the Authority during the year.

## Great Barrier Reef Ministerial Council

The Great Barrier Reef Ministerial Council was established in 1979 to coordinate policy on the Reef between the Commonwealth and Queensland Governments at Ministerial level. The Council comprises four Ministers, two from each government. During 1994-95 the Council met in Cairns on 27 July 1994.

## Great Barrier Reef Consultative Committee

The Great Barrier Reef Consultative Committee, established by the Act, is an independent advisory body for both the Minister and the Great Barrier Reef Marine Park Authority. Functions, membership and business activities of the Consultative Committee are set out in appendix A.

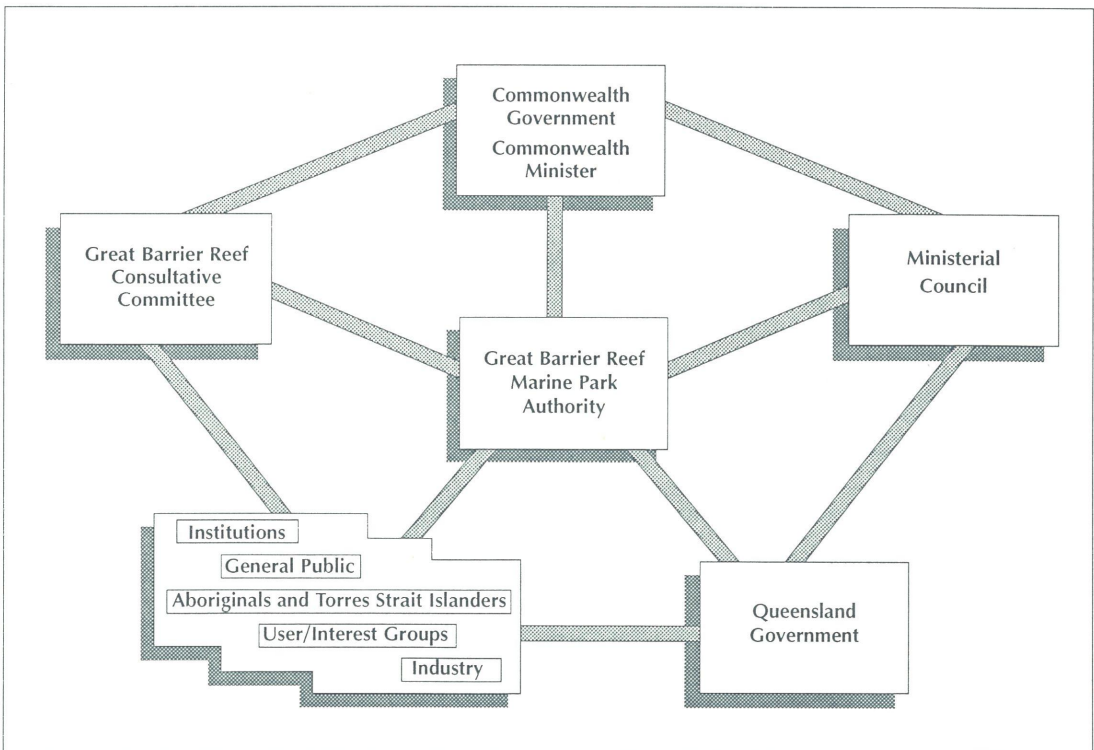


Figure 1. External relationships

# corporate overview

## Offices of the Great Barrier Reef Marine Park Authority

The Authority has its principal office in Townsville and a second office in Canberra. The location of the two offices enables the Authority to have its technical resources close to the Reef and also to carry out important liaison functions in Canberra.

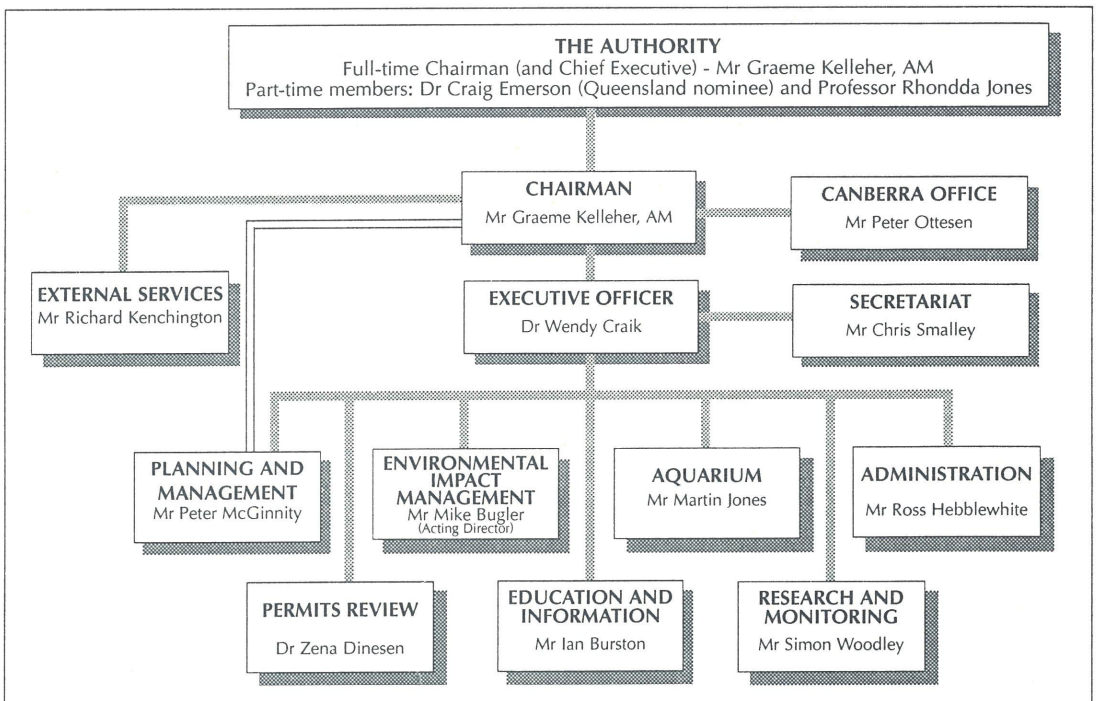


Figure 2. Operational structure and relevant senior management to October 1994

The Townsville office, which includes the Great Barrier Reef Aquarium, had 154 staff at 30 June 1995. Dr Wendy Craik was the Executive Officer of the Authority and Secretary to the Authority. Staff of the Executive and the Secretariat in Townsville supported her in these roles. In response to increased responsibilities, the office underwent a major reorganisation with the appointment in October 1994 of Senior Directors to lead two new Branches - Planning and Environmental Management, and Education and Aquarium - and with the move of the Chairperson to Townsville in January 1995.

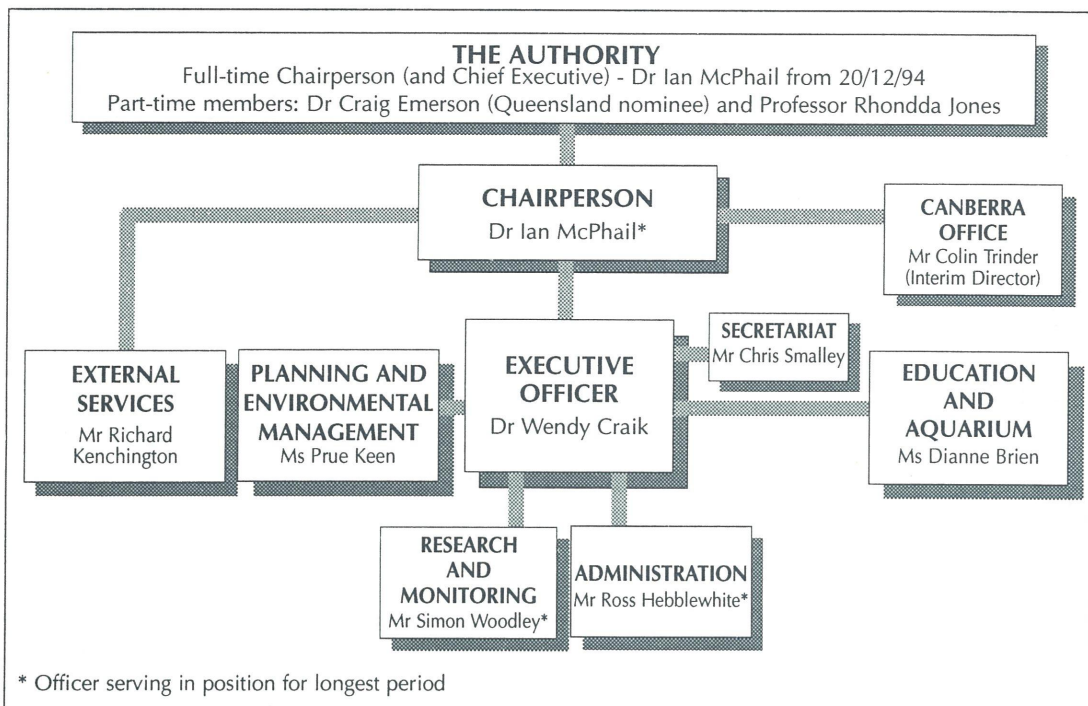


Figure 3. Operational structure and relevant senior management at June 1995

The Canberra office liaises with the Department of the Environment, Sport and Territories, Parliamentary Committees, other Canberra-based Departments and organisations with interests in the Marine Park, and assists in the development and communication of policy advice to the Chairperson, the Authority and the Minister. It provides the secretariat for the Great Barrier Reef Ministerial Council. There were seven staff working from the Canberra office at 30 June 1995.

## Membership and business activities of the Great Barrier Reef Marine Park Authority

As at 30 June 1995, the members of the Great Barrier Reef Marine Park Authority were Dr Ian McPhail, Dr Craig Emerson and Professor Rhondda Jones. No member had been appointed to the newly created fourth position.



**Professor Graeme Kelleher, AM**, was full-time Chairman (and chief executive) of the Authority until the expiration of his third five-year term on 19 December 1994 at which time he retired. Professor Kelleher continues as Vice-Chairman (Marine) of the Commission on National Parks and Protected Areas (CNPPA) of the IUCN, the World Conservation Union. Under his direction, 18 working groups, covering all of the world's coastal marine areas, have defined the global priorities for marine protected areas.

**Dr Ian McPhail** was appointed full-time Chairman (and Chief Executive Officer) of the Authority on 20 December 1994. (The position is now known as Chairperson.) He was previously Chief Executive Officer with the Department of Education and Children's Services, South Australia. Dr McPhail replaced Professor Graeme Kelleher, AM.



**Dr Craig Emerson**, Director-General of the Queensland Department of Environment and Heritage, was appointed by the Governor-General on 10 September 1991 as part-time member for a period of three years. He was then appointed by the Commonwealth Minister to act as part-time member from 12 September 1994 to 10 November 1994 and subsequently by the Governor-General, as part-time member, for three years commencing 7 December 1994.

**Professor Rhondda Jones** was Head of the Department of Zoology and Head of the School of Biological Sciences and as from January 1995 is the Deputy Vice-Chancellor (Science and Engineering) at the James Cook University of North Queensland. She was appointed as part-time member, for a third three-year term, commencing 27 February 1995.



Other persons appointed to act as member, Chairman or Chairperson during the year are listed in note 23 on 'Related Parties' in the financial statements.

During 1994-95, the Authority held seven meetings, as follows:

1994		1995	
DATE	LOCATION	DATE	LOCATION
24 August	Cairns	22 February	Townsville
6 October	Townsville	5 May	Townsville
20 October	Brisbane	30 June	Brisbane
7 December	Townsville		

## Significant events

Significant events for the Authority during 1994-95 included:

- the public launch and release of the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area

- the commencement of the review of management for the Far Northern Section
- the retirement of Professor Graeme Kelleher and the appointment of Dr Ian McPhail as Chairman of the Authority
- the implementation of a new Senior Executive Service structure
- amendments to the *Great Barrier Reef Marine Park Act 1975* that enable the development of statutory management plans and the appointment of a fourth Authority member to represent Aboriginal communities adjacent to the Marine Park
- the lodging of the first Native Title claims covering part of the Marine Park
- reviews of funding for the Authority and of the Aquarium's operations, leading to increased appropriations in 1995-96 and future years
- review of permit processes in order to make the processes more efficient
- the commencement of a program to install public moorings in the Marine Park, in order to protect corals from anchor damage.

## Executive Group of the Authority

The Executive Group of the Authority assists and advises the Chairperson in carrying out the functions of the Authority and provides a forum for discussing and coordinating programs, recommending priorities and direction, and reviewing program performance. In late 1994, the composition of the Executive Group was revised following the appointment of two new Senior Directors and the subsequent review of responsibilities and reporting relationships of senior management (*Review of Organisational Arrangements in the Great Barrier Reef Marine Park Authority*). The Executive Group now comprises the Chairperson/Chief Executive Officer, the Executive Officer and the Senior Directors of External Services, Planning and Environmental Management, and Education and Aquarium. The Executive Group takes a leading role in maintaining the many relationships between the Authority and external organisations and individuals who are essential to the success of the Authority's programs.

## The 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area

The main responsibility for looking after the Great Barrier Reef rests with the Authority. Many other individuals and organisations who have an interest in the Reef use its resources and care about its future. The Strategic Plan describes a 25-year vision for the Great Barrier Reef World Heritage Area, and long-term (25-year) and short-term (5-year) objectives and strategies to realise that vision. The Plan



The Hon. Paul Keating, MP, Prime Minister of Australia officially launched the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area on 20 July 1994.

ongoing implementation and review program, will be finalised early in 1995-96 prior to a workshop reviewing implementation during the first year.

## Corporate planning

The Authority operates on a rolling five-year corporate planning cycle. During 1994-95, five-year objectives for 1995-2000 were reviewed and updated and one-year objectives for 1995-96 were developed. Performance indicators have been developed for both the five-year and one-year objectives and performance towards achievement of the objectives will be monitored at half-yearly and yearly intervals.

Staff from throughout the organisation were involved in the review and development of the new Corporate Plan. The Plan was finalised prior to the preparation of the Authority's Annual Program for 1995-96 and will lead the development of Branch and Section operational plans.

was developed through a joint decision-making process coordinated by the Authority which involved over 70 organisations, representing user and interest groups, Aboriginal and Torres Strait Islander groups and Commonwealth, State and Local Government departments and agencies. The Plan provides strategic direction and guidance for the many organisations, agencies and individuals whose cooperation and positive support are essential to the successful realisation of the 25-year vision.

The Strategic Plan was officially launched by the Prime Minister, the Hon. Paul Keating, MP, in July 1994. During 1994-95, meetings with all stakeholder groups were held on the design of the implementation and review program. An independent consultant was contracted to design and run these meetings in conjunction with Authority staff. A report from the consultant outlining an

The Authority's Corporate Plan complements the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area, and outlines the way in which the Authority will address the critical issues of maintaining the ecology and providing for reasonable use of the Great Barrier Reef Marine Park.

The Authority's performance in meeting the one-year objectives of the 1994-95 Corporate Plan is documented in this Annual Report.

## Social justice and equity

The Authority has implemented a number of initiatives to improve access and equity in regard to our programs. In particular, during 1994-95 the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area was launched by the Prime Minister. The Strategic Plan, developed by representatives of over 70 organisations, including representatives of access and equity target groups, includes specific objectives relating to Aboriginal and Torres Strait Islander interests and integrated planning between all stakeholders.

To achieve those parts of the Strategic Plan that are within its responsibility, the Authority has developed specific objectives in its Corporate Plan. The following access and equity outcomes were achieved in 1994-95 against those objectives:

- The Authority made further progress towards the development of joint management arrangements for the Far Northern Section, the Cairns offshore area, Low Isles, the Whitsunday region and Shoalwater Bay.
- The Authority is helping to increase the mutual understanding and respect between indigenous peoples and the Authority and the broader Australian community by ensuring information on Aboriginal and Torres Strait Islander cultures and culturally appropriate information on the Marine Park are integral components of the Authority's programs.
- An Aboriginal Employment and Training Strategy was completed and should be implemented in 1995-96. A program is already operating to train and employ indigenous community members as Marine Park rangers.
- A report on potential Aboriginal and Torres Strait Islander involvement in the tourism industry operating in the Great Barrier Reef Region was prepared by a consultant to the Authority with financial assistance from the Department of Employment, Education and Training.
- A review of the equity of the environmental management charge was completed and released for public comment.

Client groups are also encouraged to participate in the operation of the Authority through formal decision-making and advisory committees. The amendment of the Great Barrier Reef Marine Park Act enables the appointment of a member to the

Authority to represent the interests of Aboriginal communities adjacent to the Marine Park. In addition, Aboriginal and Torres Strait Islander interests are represented on the Great Barrier Reef Consultative Committee, and the interests of a broad range of local Marine Park user groups are represented in Regional Marine Resource Advisory Committees along the Queensland coast.

## Agency bargaining

During the year the Authority negotiated an Agency Bargaining Agreement with the Community and Public Sector Union and the Media, Entertainment and Arts Alliance of Australia.

This Agreement will enable the Commonwealth, the Authority and staff to share in the benefits of improved productivity and savings in running costs to be achieved through a Continuous Improvement Program and a range of other initiatives.

The continuous reform process will be facilitated by:

- developing and maintaining a culture of continuous improvement and cost consciousness
- maximising the contribution of each employee by providing effective support systems, work organisation, management structures and by devolving responsibility
- cultivating the personal skills, flexibility and expertise of all employees
- promoting staffing policies and practices which provide a more flexible and productive approach to balancing work, family and personal interests.

The Agreement was certified by the Australian Industrial Relations Commission on 26 June 1995. It provides four per cent productivity pay and improvements in conditions for Senior Officer Grade A and below, in recognition of the value of the reforms to Government, the Authority and the community.

## Internal and external scrutiny

The Townsville-based accountancy firm, C E Smith & Co, are internal auditors to the Authority. A Strategic Audit Plan has been developed to ensure that all areas of the Authority are regularly evaluated for compliance and operational efficiency.

In 1994-95, the internal auditors reviewed the documentary processes associated with the administration of the environmental management charge. The audit found that the system functions well. It adequately provides relevant information, provides for efficient processing to the scientific database, and meets financial and internal control requirements. This audit was conducted in conjunction with a review of the charge which was undertaken by Professor Owen Stanley.

The external audit of the Authority's 1994-95 Financial Statements was undertaken by Coopers & Lybrand, Townsville, under contract to the Australian National Audit Office. This is the second year of this arrangement and the ability to liaise with locally based auditors has enabled a clearer understanding of requirements.

**Table 1.** Reports concerning the Authority tabled by Parliamentary Committees and the Auditor-General during 1994-95

1. The Auditor-General Audit Report No. 22, 1994-95  
(Results of the 1993-94 Financial Statement Audits of Commonwealth Entities)
2. Joint Committee of Public Accounts Report 337  
(A Focus on Accountability: Review of Auditor-General's Reports, 1992-93)

Audit Report No. 22, 1994-95, which was tabled in the House of Representatives on 6 March 1995 (see table 1) again raised the issue of the financial viability of the Great Barrier Reef Aquarium. In the quarterly return to the Minister for Finance, the Minister for the Environment, Sport and Territories advised that an inter-agency review team was established in 1994 to examine various aspects of the Authority's financial position, including that of the Great Barrier Reef Aquarium. The Minister's Steering Committee was established in response to concerns that resources were not keeping pace with usage of the Marine Park. Representation on the Steering Committee included the Department of the Environment, Sport and Territories, the Department of Finance, the Department of Tourism, the Queensland Department of Environment and Heritage, and the Authority. The Committee's report to the Minister recommended various measures including an increase to the Authority's base funding.

As a consequence, the 1995-96 Federal Budget provided the Authority with an increase in ongoing funding of \$1.4 million in 1995-96, increasing to \$2.6 million per annum from 1996-97 onwards. This funding has been provided to allow the Authority to meet its ongoing responsibilities and operational costs. It includes \$700 000 for the Great Barrier Reef Aquarium to ensure that the Aquarium is able to maintain its role as Australia's National Coral Reef Education Centre.

There were no decisions by the Administrative Appeals Tribunal or comments by the Ombudsman relating to any decisions of the Authority in 1994-95. The wording of some regulations received adverse comment by a District Court Judge in Cairns during a prosecution in 1994-95. The Authority is seeking to have the relevant regulations reworded in a manner which is easier to understand and implement.

# Program performance

A summary table identifying aggregate financial and staffing resources data for 1994-95 is below. Refer to appendix G for a reconciliation between appropriations and program elements.

**Table 2.** Financial and staffing resources summary

\$('000) and actual staff years	Actual (1993-94)	Actual (1994-95)
<b>BUDGETARY (CASH) BASIS</b>		
<b>Components of Appropriations</b>		
Section Operations	13 509	16 098
Great Barrier Reef Aquarium	2 020	2 422
Day-to-day Management	<u>6 797</u>	<u>8 119</u>
<b>Total Gross Expenditure</b>	<b>22 326</b>	<b>26 639</b>
less Revenue	8 630	10 454
variation in cash on hand	<u>+746</u>	<u>-1 075</u>
<b>Total Appropriations</b>	<b>14 442</b>	<b>15 110</b>
less Adjustments	<u>1 085</u>	<u>1 560</u>
<b>Total Outlays</b>	<b>13 357</b>	<b>13 550</b>
<b>STAFFING</b>		
Staff years (actual including Aquarium)	135	146
<b>ACCRUAL BASIS</b>		
<p>The Authority's Financial Statements, included at appendix L, are prepared on an accrual accounting basis. Reasons for variations between cash and accrual based figures include the allocation of corporate service expenses to Sections in the Operating Statement, accrual of non-cash expenses/revenue in the Operating Statement, payment to the Commonwealth Consolidated Revenue Fund of receipts collected through the Environmental Management Charge, and expenditure on assets being capitalised in the Statement of Financial Position.</p>		

# planning and environmental management



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The Planning and Environmental Management Branch was established in October 1994 with the appointment of the Senior Director, Planning and Environmental Management. The Branch is comprised of the following programs: Planning; Park Management; Aboriginal and Torres Strait Islander Liaison; Computing and Information Technology Services; and Environmental Impact Management.

The Branch is responsible for the planning and management of the Great Barrier Reef Region, in order to protect its natural and cultural values while facilitating the sustainable multiple use of the Marine Park. Staff of the programs work jointly and with other Sections of the Authority to ensure all components of Marine Park management meet this aim. In addition, the Computing and Information Technology Services provides services to all staff of the Authority.

# park management

---

## OBJECTIVES

The principal objective of the Park

Management program is to ensure the development and delivery of programs for day-to-day management of the Great Barrier Reef Marine Park. Secondary objectives are to facilitate communications between day-to-day management staff and staff of the Authority and to provide services in respect of aerial surveillance and enforcement to the day-to-day management program. The Park Management program also coordinates the Authority's activities concerning the prevention, management and research of pollution from shipping and port facilities which aim to reduce the risk of pollution from shipping related activities, whilst maintaining an effective response capability to ship-sourced pollution incidents.

## Description

Day-to-day management (DDM) activities such as enforcement, surveillance, monitoring and education are carried out principally by agencies of the Queensland Government, subject to the Authority, in accordance with an agreement between the Commonwealth and Queensland Governments.

In addition to the principal Queensland agency, the Queensland Department of Environment and Heritage, other Queensland and Commonwealth agencies involved in day-to-day management include the Queensland Boating and Fisheries Patrol, the Queensland Water Police, the Australian Customs Service (through its Coastwatch program) and the Australian Maritime Safety Authority. The program also maintains the Authority's response capability for oil spills, as required by REEFPLAN. It also provides input into the environmental assessment, monitoring and management of port operations within and adjacent to the Marine Park.

## Resources

Outlays	\$229 942
Staffing	3.25 staff years

Cost sharing and funding arrangements for day-to-day management in accordance with

standing inter-governmental arrangements are shown separately in tables 3 and 4.

## Performance Information

The specific objectives for 1994-95 were to:

- commence a project to introduce on-the-spot infringement notices for minor offences in the Marine Park
- finalise the consultancy for the revision of the aerial surveillance program
- develop methods of preparing and reporting on day-to-day management activity which are issues-based and complement the Authority's programming arrangements
- have an integrated program to manage the impacts of shipping
- complete an assessment of the risks of shipping using the inner and outer routes of the Great Barrier Reef
- have a more formal internal structure and a set of practices for dealing with oil spills
- complete a review of REEFPLAN
- have an understanding of the implications of MARPOL Annex IV on vessel related discharges.

## Performance Outcomes

### Enforcement and surveillance

Amendments to the Great Barrier Reef Marine Park Act made during the year, provided for the introduction of an infringement notice system. An initial draft of the infringement notice procedures manual was produced and development of related administrative arrangements began. When introduced, this system will offer Marine Parks inspectors the opportunity to deal with minor offences quickly and efficiently in the Marine Park. This will lead to a greater effectiveness in overall enforcement.

A review of aerial surveillance - an appraisal of the likely effectiveness of the new flying program - was not completed as planned, due to delays in the development and trialling of new flying schedules by day-to-day management staff. The new flying program will combine both statistical monitoring flights and the ability to undertake additional operations for either monitoring or enforcement work.

### Day-to-day management programming

Day-to-day management activities in the Marine Park are directed by the Annual Program and a Three Year Rolling Program which anticipates resource needs for the next three-year period. The Annual Program focuses on the first year of the Rolling Program and is more specific than the Rolling Program about day-to-day management tasks for the year ahead. During 1994-95 a new structure for the Annual Program was developed to improve its effectiveness as a management tool. The Program was developed on an issues basis with direct linkages to the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area. This allows day-to-

day management activities to be more readily assessed in association with Authority programs.

**Table 3.** Payments to Queensland Department of Environment and Heritage for day-to-day management, by Regions

	1994-95	1995-96 (estimated)
	\$	\$
Head Office		
Salaries & Operating	609 472	539 000
Capital (Inc. Post Initial)	117 873	34 000
Central Coast Region		
Salaries & Operating	1 711 178	1 712 000
Capital (Inc. Post Initial)	113 027	205 000
Northern Region		
Salaries & Operating	2 166 620	2 432 000
Capital (Inc. Post Initial)	630 094	1 021 446
Far Northern Region		
Salaries & Operating	1 857 509	1 942 000
Capital (Inc. Post Initial)	913 130	676 000
All Regions		
Salaries & Operating	6 344 779	6 625 000
Capital (Inc. Post Initial)	1 774 124	1 936 446
<b>TOTAL</b>	<b>8 118 903</b>	<b>8 561 446</b>

**Table 4.** Cost sharing for day-to-day management

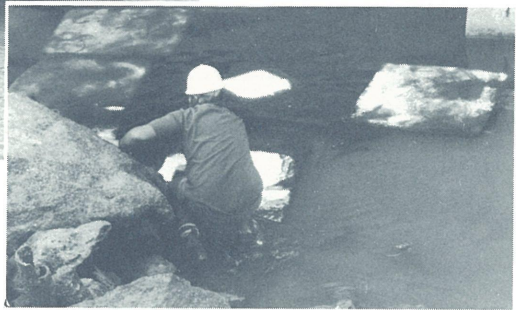
	1994-95	1995-96 (estimated)
	\$	\$
Queensland		
Salaries, Wages & Operating	3 172 390	3 312 500
Post Initial Capital	468 309	872 500
Total	3 640 699	4 185 000
Commonwealth		
Salaries, Wages & Operating	3 172 389	3 312 500
Post Initial Capital	468 309	872 500
Initial Capital	837 506	191 446
Total	4 478 204	4 376 446
<b>TOTAL</b>	<b>8 118 903</b>	<b>8 561 446</b>

## The effects of Shipping and Ports

During 1994-95 the main objective of the Shipping and Ports subprogram was to



Townsville Port Authority staff respond to a minor oil spill in Ross River. Minor oil spills such as this occur regularly within Reef waters.



consolidate the Authority's capability to respond to an oil spill. This included the revision of current contingency plans, such as REEFPLAN, and of internal procedures, and the development of systematic training programs for both Authority and Queensland Department of Environment and Heritage staff.

The Authority provides scientific and environmental advice in the event of an oil spill. In accordance with REEFPLAN, the Authority undertook successful responses to actual and potential oil spills, including spills at Mission Beach and Green Island, and groundings within the Townsville Harbour and at South Ledge Reef, near the tip of Cape York. A successful monitoring program for the latter grounding was undertaken by the Authority's Research and Monitoring Section.

In May 1995, funding was obtained for a research program to investigate the potential use of bioremediation to clean up oil spills in tropical areas. Contributing agencies include the Authority, the Energy Research and Development Corporation, the Australian Maritime Safety Authority, the Australian Institute of Petroleum and the Commonwealth Environment Protection Agency.

The Great Barrier Reef/Torres Strait Shipping Study was completed in February 1995 with 14 recommendations being made to the Commonwealth and Queensland Governments. The Authority, in conjunction with the Australian Maritime Safety Authority and Queensland Transport, have begun implementation of these recommendations, and of additional decisions by the Hon. Laurie Brereton, the Minister for Transport. Significant progress has been made with a proposed vessel reporting system to be presented to the International Maritime Organization in 1995-96.

In conjunction with Queensland Transport, the Authority commenced the development of policy and proposed legislation to implement the ship-sourced

sewage provisions of MARPOL Annex IV. These policies are expected to be finalised by December 1995.

# planning

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## OBJECTIVES

The objectives of the Planning program are to develop plans and policies necessary to maintain the Great Barrier Reef Region in its natural state; protect the cultural and heritage qualities of the Region; recognise and accommodate the special relationships of Aboriginal and Torres Strait Islander peoples to the Region; and make provision for ecologically sustainable use.

## Description

The Planning program achieves its objectives by recommending the declaration of sections of the Marine Park; developing and reviewing zoning plans, and other management strategies; and providing policy advice on management of the Marine Park and the Great Barrier Reef World Heritage Area. Public involvement in the development of management plans and in their implementation is a critical element of the program.

The program is developing ways to address the requirements of Aboriginal and Torres Strait Islander peoples and to involve them throughout the process of creating and implementing management plans for the Marine Park.

As far as practical, plans and policies are developed in conjunction with other agencies to ensure strategies are integrated and complementary.

## Resources

Outlays	\$1 375 291
Staffing	13.85 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- complete the first phase of public review of zoning for the Far Northern Section
- test the application of the National Wilderness Inventory model to the marine environment

- develop draft strategies addressing mooring and anchoring issues in the highest use areas offshore from Cairns and in the Whitsunday Islands
- commence development of an integrated planning framework for Shoalwater Bay, in conjunction with the Department of Defence and the Queensland Department of Environment and Heritage
- develop guidelines to be applied to management of seabird islands
- improve the application of the most up-to-date information to planning projects through development of a computerised geographic information system.

## Performance Outcomes

### Review of management of the Far Northern Section

The first stage of public participation in the review of management of the Far Northern Section of the Marine Park was carried out in 1994-95.

The Authority participated in the Cape York Land Summit in October 1994, and in workshops held in May 1995 in Hope Vale, Port Stewart/Coen, Lockhart River and Injinoo Aboriginal communities. These workshops established how indigenous people would be involved in planning at a local level.

Meetings were also held with the commercial fishing industry, the tourism industry, conservation groups, researchers and other stakeholders. The need to recognise and maintain the undeveloped character of the Far Northern Section was raised regularly by stakeholders.

### National Wilderness Inventory Pilot study

A project was conducted with the Australian Heritage Commission during 1994-95 to consider the role of wilderness concepts in managing the marine environment, and to develop the application of the National Wilderness Inventory to marine areas through a pilot study for the Great Barrier Reef.

As part of that project, a national household sample survey was conducted in June 1995 to measure community attitudes to wilderness-based recreation on the Great Barrier Reef and the level of support for alternative management strategies.

### Cairns Section management planning

There has been high growth in the use of many reefs, cays and islands in the Cairns Section of the Great Barrier Reef Marine Park over the past ten years. Growth in demand to use the area is expected to continue in the foreseeable future. The following are some of the concerns about the growth in use that have been raised through consultation with industry, the public and Aboriginal and Torres Strait Islander interests:

- more anchoring of vessels at popular reefs would lead to significant coral damage
- some practices of operators, commercial fishers and recreational users may have a detrimental effect on the ecology of the area
- more private moorings and structures, such as pontoons, will displace other users who see structures as akin to private ownership of a site
- moorings and structures are affecting values of the area held by Aboriginal and Torres Strait Islander interests.

During 1994-95 extensive discussions were held with Marine Park interests to develop ways to address these concerns. Management plans mainly dealing with mooring and anchoring issues are being developed for key sites. A discussion paper outlining possible management strategies was released for public comment in June 1995.

## Management of lighthouse islands

During 1994-95 the Australian Maritime Safety Authority transferred to the Authority ownership of Kent, Pipon, Low, Russell and North Reef Islands, Pine Islet and portions of Dent Island; all Commonwealth-owned islands within the Marine Park. Because the lighthouses on these islands have been automated, the Australian Maritime Safety Authority utilises only a very small area on each island. The Authority now has responsibility for management of these islands.

## Whitsunday Management Plan

The Whitsunday region has experienced considerable growth in tourist and residential development over the past decade and similar rates of growth are expected to continue. This growth has resulted in increased use of, and impacts on, the Marine Park and adjacent National Park. The Authority is developing a management plan for the region in conjunction with the Queensland Department of Environment and Heritage. Public comments received on the draft management plan were analysed during 1994-95. The management plan is being finalised in consultation with State and local authorities and key stakeholder groups.

A significant issue in the Whitsunday region is the conservation of the mainland and island fringing reefs. The following initiatives were undertaken in 1994-95 to address this issue:

- thirty-two additional fringing reefs were surveyed and the results from 208 sites are now being analysed to assist in the development of management strategies
- the ten highest priority reefs needing protection from damage caused by anchors were identified, and markers installed delineating 'no anchoring areas'. Public moorings are being installed as required.



From left, Rick Colclough (volunteer) and Rob McGill (Authority staff member) conduct mapping of a Whitsundays anchorage to prepare for the installation of 'No anchoring area' markers.

- a Marine Parks field day, involving over 100 local residents and representatives of State and local government, was held at Dingo Beach to discuss protection of outstanding reefs in the region from land-based inputs.

A working paper was released in March 1995 seeking public comment on suggested changes to the draft management plan which would allow increased aircraft access to Whitehaven Beach. Further consultation will take place before the plan is finalised.

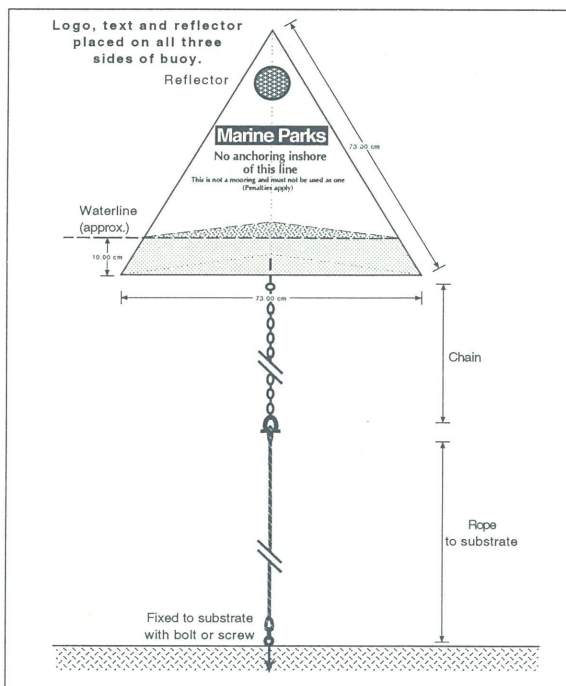


Figure 4. 'No anchoring area' marker buoy design

## Implementing the Low Isles Management Plan

Rangers were appointed by the Queensland Department of Environment and Heritage to be based at Port Douglas and Low Isles. The Low Isles Preservation Society has continued to provide assistance and support to the Low Isles rangers under the cooperative management arrangements developed in 1992-93. As well, two Aboriginal trainee rangers, representing the two major clan groups with a traditional interest in Low Isles, started duties in November 1994. The Low Isles

Management Plan was reopened for public review in May 1995 in order to make minor changes to provisions and to meet requirements of recent amendments to the Act, which established a statutory basis for management plans. In June 1995, negotiations with the University of Queensland to establish a research base at Low Isles were successfully concluded.

### **Cod Hole Special Management Area**

In June 1995, the Authority proposed that a Special Management Area be designated over the Cod Hole in the Cairns Section of the Marine Park. High levels of use and continuing demand for access to the area have led to anchor damage and concerns over equitable allocation of access. Two moorings at the Cod Hole are managed by the Cod Hole and Ribbon Reef Operators Association for use by their members. Two public moorings are being installed, one of which will only be available for non-commercial users. Anchoring in the Cod Hole Special Management Area will be prohibited.

### **Bramble Reef Replenishment Area**

Bramble Reef, near Palm Island in the Central Section of the Marine Park, remained closed to reef fishing for the final year of a three-year special management area designation to allow fish stocks to replenish. On advice from the local community, fishing interests and scientists, the Authority extended the closure period by five months until 30 June 1995. All stakeholders were consulted in the development of strategies to reopen Bramble Reef.

### **Shoalwater Bay Planning Review**

Following Commonwealth Government adoption of the recommendations of the Commission of Inquiry into Shoalwater Bay, the Authority received funding and established a program to incorporate the remaining marine portion of the Shoalwater Bay Military Training Area into Commonwealth and Queensland marine parks and to establish an integrated planning and management framework with the Department of Defence and the Queensland Department of Environment and Heritage.

### **Seabird island management guidelines**

Seabirds breeding on Great Barrier Reef islands are being increasingly disturbed by human visits and some populations are known to be declining. Guidelines for managing visitors to seabird breeding islands were developed and tested in the Marine Park in cooperation with the Australian Nature Conservation Agency. The guidelines, when finalised, are intended for adoption by nature conservation agencies throughout Australia.

### **Geographic Information System development**

The demand for products from the Geographic Information System has increased significantly this year. Staff working on the Cairns Section management planning, the

Whitsunday Management Plan, and the review of management of the Far Northern Section have been supplied with scanned aerial photography, spatial databases, satellite imagery and various map products. Services to other Sections have included mappings of reefs for the crown-of-thorns starfish surveys, spatial databases and maps for the biogeographic classification and provision of maps for permits.

The Authority has provided training and expertise in Geographic Information Systems to the ASEAN-Australia Economic Cooperation Program Phase III, as well as data exchange with agencies such as the Queensland Department of Primary Industries, the Queensland Department of Environment and Heritage, and James Cook University of North Queensland. Currently the Geographic Information System is being networked to allow it to be accessed widely throughout the Authority.

# aboriginal and torres strait islander liaison

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## OBJECTIVE

The objective of the Aboriginal and Torres Strait Islander Liaison program is to facilitate the achievement of the Authority's aim '... to provide recognition of Aboriginal and Torres Strait Islander traditional affiliations and rights in management of the Marine Park'.

## Description

The Authority has an aim specifically recognising the traditional affiliations and rights of indigenous people. The Aboriginal and Torres Strait Islander Liaison program was established to more effectively deal with the developing relationship between the Authority and indigenous peoples in and adjacent to the Marine Park. Whilst the Authority has developed a dedicated Aboriginal and Torres Strait Islander program there is significant commitment to indigenous issues throughout core programs. It is estimated that 12 full-time equivalent positions plus project funding are involved in indigenous issues across the Authority.

The Authority has specifically determined that Aboriginal and Torres Strait Islander peoples are to be involved in and have ownership of the outcomes of planning exercises. All planning and permit exercises have developed means of involving

Aboriginal and Torres Strait Islander peoples in the processes at varying levels up to and including joint planning during the review of management of the Far Northern Section of the Marine Park. Staff of the program coordinate a working group which ensures that the Authority involves indigenous people appropriately in all elements of its program.

## Resources

Outlays	\$282 118
Staffing	2.00 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- establish guidelines with Aboriginal and Torres Strait Islander communities for negotiating joint management arrangements in the Far Northern Section
- understand the most effective means of implementing joint management arrangements with traditional owners/custodians in the Far Northern Section
- cooperate in the development of an environmental management program within the Community Development plan for the Palm Island Community
- monitor and participate in claims processes where appropriate for both Queensland land claims and Native Title claims
- protect cultural and heritage values held in relation to the Marine Park by traditional inhabitants and other people
- improve the understanding by Aboriginal and Torres Strait Islander communities of the results of research and monitoring programs
- have an efficiently operating program to employ and train indigenous community members as Marine Park rangers and have an understanding of the opportunities available for expanding the program.

## Performance Outcomes

### Community liaison

Extensive contact was maintained with all communities adjacent to the Marine Park to facilitate involvement in planning and permit processes. The review of management of the Far Northern Section has, as a major focus, the development of joint planning with indigenous people. Provision of culturally appropriate information on the Marine Park generally and on zoning and management and on research outcomes was a priority. Two issues of *Sea Country*, a newsletter developed specifically for communities in the Far Northern Section, have been distributed to Cape York communities.

The Authority was a sponsor of a major Aboriginal Art exhibition in Cairns as well



Performer at the Laura Aboriginal Dance and Cultural Festival. The Authority sponsored the traditional sports competition.

as of the traditional sports competition at the Laura Aboriginal Dance and Cultural Festival.

### **Cultural training**

A major component on Aboriginal and Torres Strait Islander culture was introduced into the staff induction course. A one-day workshop on Aboriginal and

Torres Strait Islander cultures was also presented, involving more than fifty Authority staff. Guest speakers from several communities assisted with the presentation.

### **Community rangers**

The Authority continued to sponsor and coordinate the Marine Park element of the Community Ranger Program. The program is a cooperative effort between indigenous communities, the Authority, the Queensland Department of Environment and Heritage and the Australian Nature Conservation Agency. The Australian Nature Conservation Agency funded the project to the value of \$70 000 through its Contract Employment Program for Aboriginals in Natural and Cultural Resource Management (CEPANCRM) in 1994-95. Eight rangers were employed in four communities on a variety of conservation, management and planning projects.

Several of the Marine Parks Community Rangers graduated with other Community Rangers from the Far North Queensland Institute of TAFE Associate Diploma of Applied Science (Aboriginal and Torres Strait Islander Natural and Cultural Management). Post-course training in fisheries, Marine Park planning, oil spill response and Marine Park management was conducted for rangers from Palm Island, Yarrabah, Lockhart River, Hope Vale, Injinoo and Wuthathi areas.

### **Native Title**

Five Native Title claims under the Commonwealth's *Native Title Act 1993* were lodged with the National Native Title Tribunal for areas which included parts of the Cairns and Far Northern Sections of the Marine Park. Mediation commenced on one of these with a second mediation process expected to commence early in 1995-96.

The Authority became party to the two claims accepted for hearing by the Native

Title Tribunal and is expected to become party to any future claim in the Marine Park.

## Cooperative management

The Authority commissioned research into joint management with indigenous people in the Far Northern Section of the Marine Park. A senior policy group was formed late in the year to examine and determine policy directions for joint planning and management. The policy group comprises senior management from the Authority, the Queensland Department of Environment and Heritage, the Queensland Fish Management Authority, the Queensland Department of Primary Industries, the Cape York Land Council, the Aboriginal and Torres Strait Islander Commission and elders from major language groups from eastern Cape York.

The formation of Councils of Elders continued during the year. Their role was extended to assist with assessment of the traditional and cultural heritage values of permit applications.

# computing and information technology services

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## OBJECTIVES

The objectives of the Computing and Information Technology Services program are to provide efficient and effective networks, systems and databases to productively support all aspects of Marine Park planning, management, research and office management.

## Description

A decentralised client-server computer network with a high level of client focus has been developed to provide a cost-effective, accessible and resilient information network. All staff of the Authority utilise information technology to support their administrative functions. In addition, specialist systems and software are provided to support planning, research and extension activities. Easy to use, accessible microcomputer interfaces have been developed to ensure the most effective use of information resources. The program assists the Authority to achieve its goal

through the effective application of information technology.

## Resources

Outlays            \$786 303

Staffing           4.15 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- improve Canberra office network services
- develop a more cost-effective hardware and software purchasing policy
- upgrade wide area network facilities
- redevelop permits information systems
- maintain effective database administration
- review and update the Information Technology Guidelines
- provide additional support to achieve an effective financial management system
- outsource 50% of all computing and information technology services.

## Performance Outcomes

### Network communications upgrade

Wide area network facilities were improved to support more effective access to Internet and e-mail services and to promote more cost-effective communication with our clients including management and research agencies. The network to the Canberra office of the Authority was also augmented to provide more reliable and effective communication between the Authority's two offices.

### Island and Reef Information System

Database development during the year improved the productivity of the Island and Reef Information System (IRIS). This system provides access to information in Authority databases on the reefs and islands in the Marine Park, through an easy-to-use graphic interface. The system has been designed for use on microcomputers by officers in the field.

### Financial information system

A new financial information system was introduced, which will result in greater productivity and effectiveness in the Authority's financial management.

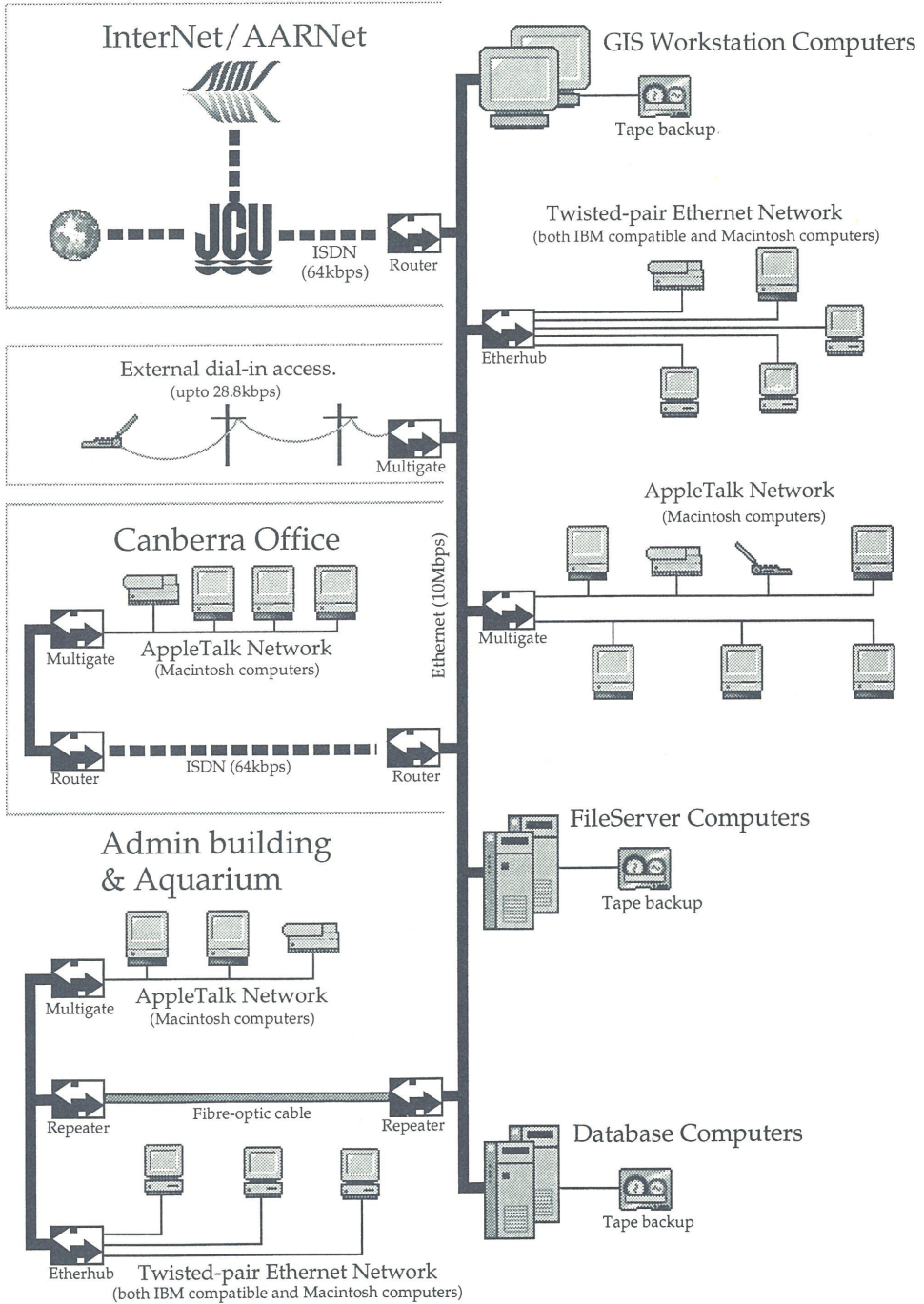


Figure 5. The computer network of the Great Barrier Reef Marine Park Authority

## Permits processing

The information technology systems for processing permits for commercial uses of the Marine Park have been redeveloped to cope with the increased number of applications. These new systems have increased decentralised processing and remote access to permits information.

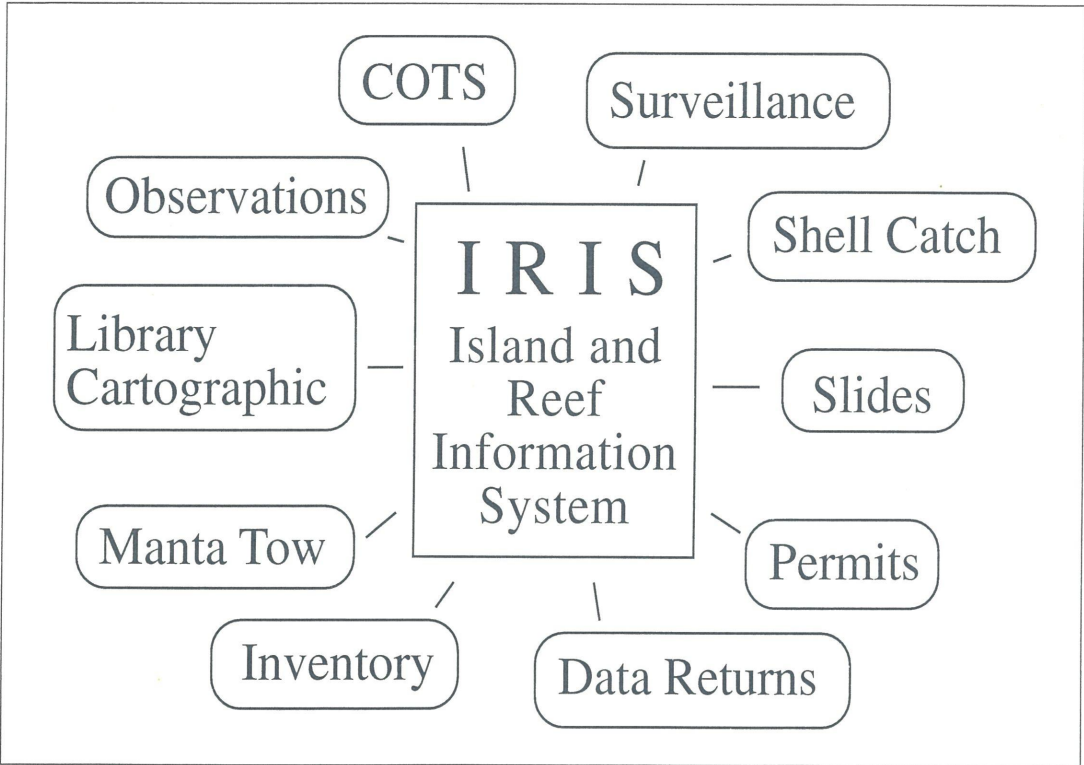


Figure 6. Model of the Island and Reef Information System (IRIS) database

## Other outcomes

The Information Technology Guidelines have been reviewed and updated for use by staff of the Authority and other management agencies.

Database and Fileserver facilities have been upgraded and augmented to accommodate rapid growth in the application of information technology demanded by planning and management processes. With these changes, the transition to a user oriented client-server computing environment has been completed.

Approximately 50% of information technology support has been provided through outsourcing.

# environmental impact management

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## OBJECTIVES

The objective of the Environmental Impact Management program is to protect the natural and cultural qualities of the Great Barrier Reef Region while allowing reasonable use through efficient environmental impact assessment of proposals and effective monitoring and management of permitted activities to ensure ecologically sustainable use. Timely legal advice in relation to the work of the Authority is also provided by the program, as is effective administration of the Environmental Management Charge.

legislative amendments and conducting training on legislation are provided to all Authority staff.

## Resources

Outlays	\$3 452 895
Staffing	15.00 staff years

## Description

The Great Barrier Reef Marine Park is managed as a multiple-use area and the Zoning Plans for each Section of the Marine Park specify the activities which require formal permission from the Authority.

The Marine Park permit system allows assessment, regulation and control of environmental impacts associated with most activities within the Marine Park except fishing, and the ongoing management of these activities.

Assessment of applications for commercial activities is done on a partial cost-recovery basis through a schedule of permit application assessment fees. In addition, the Environmental Management Charge on commercial operations translates to \$1.00 per visitor per day for most tourism operators.

Legal advice and other services such as administering Freedom of Information requests, overseeing proposed

# Performance Information

The specific objectives for 1994-95 were to:

- achieve broad awareness of proposals for developments in the Great Barrier Reef Marine Park
- have a permits system which continues to minimise the ecological impacts of permitted activities
- revise charging policies and procedures, as far as practicable, based on a review of the initial operation of the Environmental Management Charge system
- establish more efficient procedures for assessing and issuing standard tourist permits
- develop and implement strategies to reduce the reliance on permits in management of most tourism and research activities
- assist in the development of the Councils of Elders for Townsville, Mossman Gorge, Wujal Wujal, Cairns, Yarrabah, and Cooktown areas, and to have developed procedures to address implications of the Commonwealth *Native Title Act 1993* on environmental impact assessment.

## Performance Outcomes

### Environmental Management Charge

The Environmental Management Charge (EMC) has been in place since 1 July 1993. Since its introduction, the number of operators attracting the EMC has increased from 420 to 530.

Total revenue for the 1994-95 financial year for the Authority from the EMC was \$1.57 million. The cost of administering the EMC including salaries was below \$140 000 for the financial year.

During 1994-95 compliance with the EMC and cooperation by commercial operators has remained generally good. Fourteen permits were revoked during 1993-94 as permittees had failed to submit the EMC requirements. One revoked permit was reconsidered and subsequently reinstated. In 1994-95, four permits were revoked.

In September 1994, an independent review of the EMC was undertaken by Professor Owen Stanley to examine the efficiency of the EMC system during its first year of operation. The review also looked at any perceived inequities in the current charging structure. This review was completed in December 1994. Public comment was subsequently sought and submissions closed in May 1995. Consideration of the review recommendations, together with public comments, is expected to be completed early in 1995-96.

Major expenditure of EMC funds during 1994-95 included a contribution of \$750 000 to the CRC Reef Research Centre, \$99 000 for tourist extension and training programs and a repayment of \$200 000 to the Department of Finance for EMC seeding funds.

For revenue collection details of the EMC see note 3 of the financial statements. Commitments to the CRC Reef Research Centre are included in note 21 of the financial statements.

## Processing of permit applications

During 1994-95, 301 tourist program permits were granted by the Authority, a 12% decrease on the 1993-94 period; 37 of these were by virtue of transfer. A total of 694 new permits was granted in the Marine Park (see table below), a 22% decrease in the total number of permits granted during the previous year, but an increase of 11% over 1992-93.

Of the total number of permits granted, the Queensland Department of Environment and Heritage granted 130 for activities such as educational activities, collecting of coral and aquarium fish, and the installation of moorings not associated with tourist program applications. The Authority has delegated its granting powers for these activities.

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**Table 5.** Permits issued for activities in the Great Barrier Reef Marine Park during 1992-93, 1993-94 and 1994-95

Permit Type	Number Issued		
	1992-93	1993-94	1994-95
Tourist programs	159	341	301
(Inc. aircraft operations	3	22	5)
(Inc. cruiseship operations	-	-	9)
Research programs	206	231	191
Education programs	33	59	45
Moorings	2	12	4
Collecting	111	117	81
Traditional hunting	84	103	32
Farming of marine resources	7	2	1
Sea dumping	3	1	-
Offshore structures	1	2	2
Removal of dangerous animals	-	-	2
Waste discharge	-	-	2
Tourist facilities	-	-	6
Other activities	13	18	27
<b>Total permits issued</b>	<b>619</b>	<b>886</b>	<b>694</b>

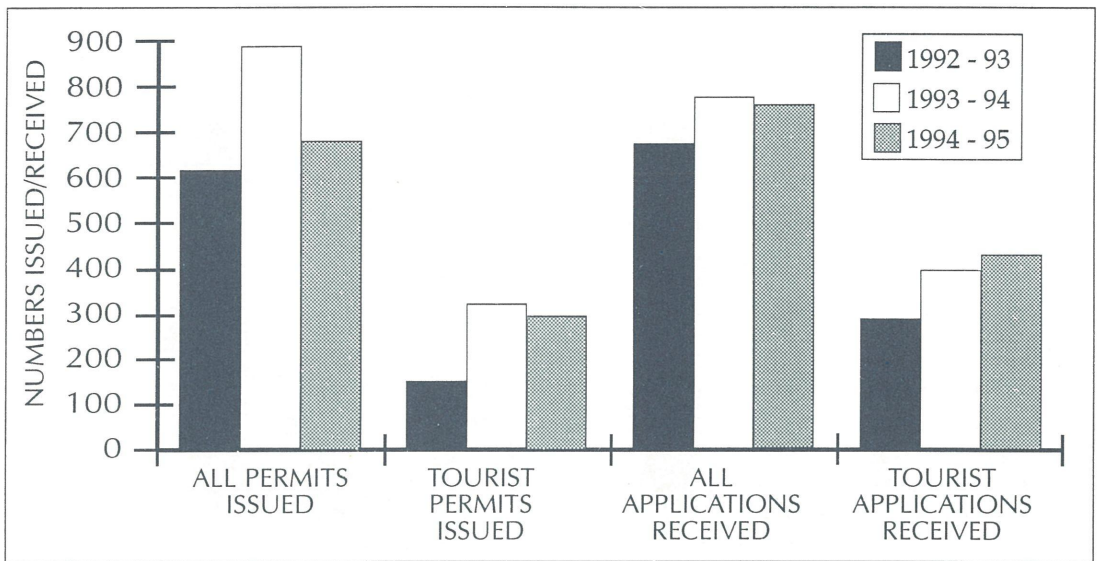


Figure 7. Numbers of permits issued and applications received

### Assessment of permit applications for major projects

Major emphasis in 1994-95 has been on the development of policies relating to the assessment and management of major projects in the Marine Park, while continuing to respond effectively to client demand.

A number of previously unpermitted structures have been assessed and permitted in the Central Section of the Marine Park. A complex project involving harbour works at Heron Island has been assessed and works completed under site supervision by the Authority.

The Authority liaises with the Queensland Department of Environment and Heritage over major project management in areas adjacent to the Marine Park and contributes to the development of Management Plans.

The Authority is a formal Referral Agency for the Queensland local government decision-making system and responds to referrals concerning development applications and terms of references for Queensland impact assessment procedures. Referrals have increased by 60% in the past year and the Authority has placed emphasis on the effects of such developments on the Marine Park and the Great Barrier Reef World Heritage Area.

There are 94 major project assessments pending. Fifty-six active projects are shown in the fold-out map at the end of this report.

The amount of policy development for impact assessment and control has been disappointing due to limited resources. However, work was carried out on 14 policy-related issues.

During 1994-95 the Authority made a substantial commitment to Aboriginal and



Engineers from the Queensland Department of Environment and Heritage on-site during construction of a bund wall at Heron Island harbour.

Torres Strait Islander issues involving both permit and policy related matters, including the establishment and ongoing liaison with nine Councils of Elders along the coast adjacent to the Marine Park.

Implications of the Commonwealth *Native Title Act 1993* have been taken into account in the assessment of applications for major projects.

### Review of Marine Parks permit system

In 1994, the Authority adopted the principles proposed by the Permits Review Working Group aimed at achieving a more equitable and effective system of managing tourism operations within the Marine Park. These principles included:

- greater emphasis on management of impacts and sites rather than on regulation of users such as tourist operators
- greater emphasis on the use of plans and regulations, with any necessary constraints applying as far as practicable to all user groups
- increased reliance on operator training and self-regulation.

Progress on changes to tourism permits and tourism management was reviewed quarterly.

An interim standard permit for roving tourist operations has been developed as the first stage in a longer-term process to progressively simplify the majority of

permits for tourism and research. Strategies to increase the focus on education and training, and to provide opportunities for greater self-regulation by tourist operators and other park users through Best Environmental Practices and Codes of Practice have been developed by tourism industry representatives, the Authority and the Queensland Department of Environment and Heritage. Some progress has also been made on the development of a strategy to improve the management of research and research permits.

## Legal program

Advice was provided to all Sections of the Authority on a wide variety of legal issues ranging from statutory interpretation and drafting of permits to the settling of contracts, advice on native title issues and advice on liability and defamation.

In 1995, significant amendments were made to the *Great Barrier Reef Marine Park Act 1975* including:

- the addition of a fourth member to the Authority to represent the interests of Aboriginal communities adjacent to the Marine Park
- increases in penalties under the Act
- clarified and more effective Inspector's powers
- the introduction of statutory management plans
- clarified provisions of waste discharge.

As a consequence of the amendments to the Act, training was provided to Marine Park inspectors in the Queensland Department of Environment and Heritage, the Queensland Boating and Fisheries Patrol, the Queensland Water Police, the Australian Federal Police and the Australian Maritime Safety Authority. A framework for legal training of Authority staff has been developed and will be implemented in future years.

## Appeals and Freedom of Information requests

Five Freedom of Information requests were received during 1994-95. These were in relation to the Oyster Point development (two requests), the review of the Environmental Management Charge, and for tourist pontoons (two requests). One of the latter dealt with the Authority decision to refuse the installation and operation of a tourist pontoon in the Cairns Section of the Marine Park.

The refusal of the permission to install and operate a pontoon in the Cairns Section led to a reconsideration of the decision, resulting in another refusal. The applicant has appealed to the Administrative Appeals Tribunal for a review of the Authority's decision.

# education and aquarium

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*education and aquarium*



The Education and Aquarium Branch was established in October 1994 with the appointment of the Senior Director, Education and Aquarium. The Branch is comprised of the Education, Information and Media programs and the Great Barrier Reef Aquarium.

The Branch is responsible for providing education, information, extension and advisory services relating to the Great Barrier Reef Marine Park and provides library, production, public relations and media liaison services to the Authority and its programs. The Great Barrier Reef Aquarium is an integral component of the Authority's program to educate the public about the Great Barrier Reef, the Marine Park and the Authority.

# education, information and media

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## OBJECTIVES

The primary objective of the Education, Information and Media program is to increase the knowledge and commitment of reef users and the general public to the Great Barrier Reef and to have public support for the ecologically sustainable use of the Marine Park. A second objective is to provide efficient and effective design, production, media and library services to the Authority.

## Description

The program includes an extension and education program targeted at major reef user groups, the general public and the education system; an extensive library; a production unit which provides graphic design, photography, cartography and publishing services for the Authority; and a media unit.

## Resources

Outlays	\$1 621 445
Staffing	21.75 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- effectively influence public attitudes and behaviour through education, extension, interpretation and information dissemination
- manage, on behalf of the Department of the Environment, Sport and Territories, the National Marine Education component of the Ocean Rescue 2000 program
- develop a water quality extension program to raise public and industry awareness on water quality, marine pollution and ecologically sustainable land-use practices.

## Performance Outcomes

### Extension and community education services

The subprogram's activities continued to focus on the coordination of public

consultation processes involved in management of the Marine Park, including the initial public contact phase of the review of management of the Far Northern Section, with particular focus on indigenous issues. A Public Education Strategy, developed jointly by the Authority and the Queensland Department of Environment and Heritage, clarified extension and community education issues to be addressed by the subprogram and was used to develop annual programs within



Elected elders of the Darumbal - Noolar Murree Corporation discuss planning directions for Shoalwater Bay with Great Barrier Reef Marine Park Authority extension staff.

each agency. Communication strategies were prepared and a consultation process was commenced for the Cairns Section, Shoalwater Bay and Low Isles management plans.

Several Marine Park user groups were specifically targeted for a steady flow of information and educational messages.

Liaison projects involving the Queensland Commercial Fishermen's Organisation, the Queensland Department of Environment and Heritage and the Queensland Fish Management Authority were coordinated by a commercial fisheries consultant. The free video program, *Deckhand*, aimed at commercial operators, is now in its ninth edition. A survey showed a positive response to the messages and strong market penetration. An awareness campaign to encourage recreational anglers to 'do the right thing' continued using regional television, newspapers and community service announcements.

Six new Regional Marine Resources Advisory Committees (RMRACs) were established (making a total of 10). These Advisory Committees include tourist operators, marine park and fisheries interests, conservation interests, local government, Aboriginal and Torres Strait Islander peoples and residents. They are an effective means of bringing together a variety of interest groups, involving local communities in management issues and resolving conflict between Marine Park users.

The Authority continued to support marine education and conservation projects organised by Australian secondary and tertiary institutions including workshops to train marine education teachers, school projects such as the Brampton Island Snorkel Trail, the 'Reefkeeper' secondary schools competition, and Seaweek '95.

A liaison officer from the tourist industry was contracted by the Authority to

develop a range of educational and interpretive products for use by commercial tourism operators and to assist with the development of voluntary codes of practice. A newsletter, *Reef Connections*, was produced to inform tourism operators about Authority projects and initiatives, and the subprogram played a part in the continued development of the Cairns TAFE tourist operator training course for Reef interpretation and management.

During 1994-95 a liaison officer with an agricultural background was contracted to improve communication between the Authority and the agricultural community and associated government agencies, from executives of farming organisations to individual producers. The extension consultant has presented the views of the Authority at many agricultural meetings and field days and has helped develop elements of the voluntary codes of practice aimed at reducing sediment and nutrient run-off into the Great Barrier Reef. The Authority's liaison with land-use managers and the cooperative approach adopted have been well received by the agricultural industries generally.

The Section continues to provide support to the Ocean Rescue 2000 Program, in particular through assisting with the production of the State of the Marine Environment Report and its Annexes, and through the delivery of the National Marine Education Program. The National Marine Education Program has been involved in the development of curriculum material in Western Australia, Victoria and New South Wales and in the production of videos on Marine Protected Areas for use by local government.

## Library services

For the fourth consecutive year, usage statistics increased for all library services as information demands continued to grow.

During 1994-95, emphasis was placed on the establishment of a more relevant reference service for Authority clients. CD-ROM and Internet services were expanded, including greatly enhancing access to Commonwealth legislation and production of a third edition of the Environment and Heritage CD-ROM.

Library services were included in the World Wide Web home page established by the Department of the Environment, Sport and Territories. This page provides general information regarding Library services, as well as a current list of serial titles held at the Authority. The Authority's library collection continues to be included in national union catalogues, with 25% of the monograph collection now included in the Australian Bibliographic Network. All of these activities have improved external and internal access to information.

A dedicated staff position was established to facilitate achievement of the corporate objective 'to have a photographic collection that meets the needs of clients'. Emphasis will now be on identifying specific corporate information needs, and on effectively and efficiently meeting those needs. Revenue was raised

through collaboration with CD-ROM publishers. Part of this revenue has been used to purchase a pictorial management system to further enhance access, storage and retrieval of the photographic collection. Scanning and indexing of images into the system, to be funded from sales revenue, will be a priority for 1995-96.

## Production services

The Production subprogram provides advisory services and products including graphic design, publishing, photography, cartography, corporate identity, quality control, and copyright for the Authority. The subprogram's overall goal is to maintain the highest standards of, and a consistent corporate identity in, publications, displays and other products.

The subprogram's operational budget includes \$72 139 income derived from sales and royalties.

In line with the corporate objective 'to have cost-effective information and education materials for specific target groups and the broader community' the subprogram's most significant achievements this year have been:

- production of publications for the State of the Marine Environment Report (SOMER), on behalf of the Department of the Environment, Sport and Territories
- electronic design and production of large interpretive exhibit posters for the Research and Monitoring Section and the CRC Reef Research Centre
- electronic design and production of information panels for a new aquarium exhibit called the Blue Highway
- production of newsletters - *Coralines*, *Reef Research*, *Communicay*, *New Directions*, *Sea Country*
- production of materials for the Public Participation Program for the review of management of the Far Northern Section including maps, brochures and a newsletter (*Sea Country*) for Aboriginal and Torres Strait Islander communities
- revision of the Reef Notes series
- design and production of the CRC Reef Research centre brochure 'The Reef and Us'
- design and production of a promotional poster for the Great Barrier Reef Aquarium
- design and production of the Annual Report, Corporate Plan, Media Reference Sheets and Calendar.

During the year the subprogram achieved a significant improvement in its proofreading services, further enhanced the computer assisted design skills of staff and maintained design technology in line with the printing industry.

## Media liaison

Active management of issues concerning the Marine Park continues to attract wide ranging specific and general media attention.

Continuing public interest in the Great Barrier Reef has resulted in the programs and management decisions of the Authority coming under increasing scrutiny from local, state and national media. Reports on the Authority and its work remain predominantly favourable over a wide cross-section of the media.

Integration of the media and public relations programs with broader scale public education and information strategies has contributed to a greater effectiveness in the communication field. Ongoing programs to expand regional, state and national media contacts and to increase media understanding and awareness of the Authority and its work on the Great Barrier Reef are expected to further enhance the work of the Authority.

# great barrier reef aquarium

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education and aquarium

## OBJECTIVE

The objective of the Great Barrier Reef Aquarium is to enhance community understanding, appreciation, experience of and support for the Great Barrier Reef, the Marine Park and the Authority by providing a readily accessible onshore reef environment and interpretive facility.

## Description

The Great Barrier Reef Aquarium is a living museum featuring the world's largest living coral reef on land, a predator exhibit, walk-through viewing tunnel and complementary living exhibits, together with interactive displays, educational programs, research facilities and venue hire services. The Aquarium is Australia's National Reef Education Centre and has been recognised internationally in marine environmental education through the awarding of the prestigious UNESCO Einstein Gold Medal. In providing visitors with an accessible, realistic and educational reef experience, the Aquarium plays an integral role in helping the Authority achieve its goal.

## Resources

Revenue earned	\$2 047 158
Outlays	\$2 422 407
Staffing	30.00 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- continue to work on various projects aimed at having the Aquarium become fully funded
- develop education, information and interpretive programs and materials for the formal education sector and the broader general community
- upgrade the World Heritage display
- improve the understanding of the relationship between water quality and coral survival
- develop a crown-of-thorns starfish culture facility
- establish trainee aquarist and interpreter positions for Aboriginal and Torres Strait Islander peoples.

## Performance Outcomes

### Review of funding

During 1994, the Minister established a Steering Committee to review funding of the Authority and the Great Barrier Reef Aquarium. At the request of the Steering Committee, Deloitte Touche Tohmatsu was commissioned in November 1994 to investigate management options for the continued operation of the Aquarium. The Deloitte Touche Tohmatsu report concluded that the Aquarium was performing reasonably well under the current operational environment and that the financial viability of the facility was predominantly dependent upon visitor numbers to the Townsville region, an issue largely beyond the influence of the Authority. The report also highlighted a number of areas in which the Aquarium could improve its operating performance.

The Steering Committee report recommended that the Aquarium be retained as an educational facility by the Authority and that ongoing funding from Commonwealth appropriation was justified. The Steering Committee further recommended the implementation of the Deloitte Touche Tohmatsu report conclusions relating to management and operational structure of the Aquarium.

The Authority received an additional appropriation of \$231 000 in 1994-95 to cover the Aquarium loan repayment.

## Exhibits program

A series of five new exhibits was installed and marketed during 1994-95. Two temporary displays, 'Dangers of the Deep' and the 'Festival of the Sea', provided different interpretations of existing exhibits. 'Reefworks' and the interactive exhibit 'Contact Zone' were produced as permanent displays.

A major new exhibit, the 'Blue Highway' was opened in June 1995. The display improves and expands the interpretation of the Predator Exhibit, and explores the important but yet unknown inter-reefal areas of the Marine Park.

The Coral Reef Exhibit achieved a significant biological milestone when its consistently low nutrient status resulted in deactivation of part of the algal scrubber water purification system, reducing labour and energy costs.

## Education programs

During 1994-95, the Aquarium seconded a high school science teacher from the Queensland Department of Education to improve the delivery and marketing of the Aquarium's Schools Program. School student visitation has increased 50% over



'Dominator', a 1.7 metre Queensland grouper, has been a popular addition to the Aquarium's Predator Exhibit.

the previous year and teacher surveys have indicated greater satisfaction with education activities and services. Five new education programs were produced and the Quicksilver Discovery Room was upgraded to accommodate the new activities.

Educational opportunities for Aquarium visitors were further expanded with a larger range of interpretive talks including the unique diver talkback show from both the Coral Reef and Predator Exhibits. The After Dark Program was successful in attracting both school and community youth groups. The educational message of the Aquarium was further promoted through the Community Outreach Program by staff participation in local and regional community, environmental and scientific events.

## Marketing and promotion

Renewed emphasis and greater resource commitment characterised marketing and promotion in 1994-95. Important initiatives during the year were:

- conduct by the Great Barrier Reef Wonderland Common Marketing Fund of monthly promotions based on feature events and incorporating increased television advertising, sales calls and point of sale signage
- regular evaluation of the effectiveness of new marketing initiatives
- success of the inaugural fundraising 'Under the Sea Dinner'
- live underwater broadcast of a breakfast radio program from the Coral Reef Exhibit
- production of an Aquarium poster and bumper sticker for promotional activities and retail
- involvement of 22 staff in the 'Adopt-a-Motel' project
- direct promotion to western Queenslanders through participation in the North Queensland Science and Engineering Fair held in Mt Isa.

## Volunteers

Aquarium volunteers continued to enrich the visitor experience by providing 15 000 hours of service in 1994-95, principally in face to face interpretation. In addition to their primary role in visitor services and education, the 120 volunteers, including 25 student volunteers, played an effective support role in the Community Outreach, After Dark and Functions Programs. Volunteer highlights for the year were:

- completion of the volunteer-funded exhibit, the 'Contact Zone'
- conduct of the tenth volunteer intake and training program



Graham Jenkinson (left), Townsville's Ambassador-at-large, speaks to local radio personality, Steve Price, in a live-to-air radio broadcast from the Aquarium's Coral Reef Exhibit.

- drafting of a Volunteers' Three-Year Plan
- production of a craft activities book with a marine theme.

## Friends of the Aquarium

Membership of the Friends Program was boosted 20% in March 1995 by a promotional campaign. Friends were kept informed of special activities and new exhibits through three issues of the Aquarium magazine *Coralines*. Ansett Australia became a corporate Friend with a sponsorship package including donation of airfare prizes and future Aquarium features in their in-flight magazine.

## Research

Achievements for the Aquarium's Research Program in 1994-95 were:

- successful raising of juvenile crown-of-thorns starfish in a project funded through the Authority's crown-of-thorns starfish research program
- further improvement of the design of the algal scrubbers: replacement of half of those algal turf scrubbers serving the Predator Exhibit system has improved operational efficiency

- a feature article in the August 1994 *National Geographic* magazine based on research on box jellyfish undertaken at the Aquarium
- continuation of research into water quality factors affecting acroporid coral survival in the Coral Reef Exhibit
- establishment of an Earthwatch-funded project on giant clams
- conduct of the second year of the coral reproduction project supported by Earthwatch.

## Financial performance

Visitor numbers in 1994-95 were up 1.1% on the previous year, arresting a trend since the opening of the Aquarium, of declining visitor numbers. Admission revenue for the year was up 16% on 1993-94 due to increased visitor numbers and a \$2 increase in the adult entry price in July 1994. In addition to 140 700 ticketed visitors, 7457 people visited as part of the Friends Program. After-hours functions at the Aquarium attracted 6246 additional visitors and promotional activities attracted an extra 7249 visitors. In total, 1994-95 saw 20 952 non-ticketed visitors to the Aquarium. In 1994-95, the Aquarium recovered 84% of its running costs, excluding non-cash items such as depreciation, staff leave provisions and superannuation, from self-generated revenue.

Non-admission revenue (excluding appropriation) for the year was 37% higher than the previous year. The Aquarium has demonstrated its capacity and attractiveness as a function venue for a wide variety of events and out-of-hours use of the facility has increased. Consultancy earnings by Aquarium staff were less than in 1993-94 as staff resources were devoted to the higher demands of exhibit and marketing programs.

The Aquarium Shop significantly improved its trading performance in 1994-95 with a record sales turnover which was 26.5% higher than the previous year. Sales per visitor increased 55 cents from 1993-94, reflecting improved stock selection and modification of the Shop entrance to better channel visitors departing the Aquarium through the Shop.

The Aquarium funded the continuation of the Aboriginal and Torres Strait Islander Interpreter Program which employs Aboriginal and Torres Strait Islander people as Aquarium interpreters.

Now in its final stages, completion of the Aquarium Business Plan was delayed pending the outcome of the Aquarium review and Commonwealth Government funding submission.

# research and monitoring

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## OBJECTIVES

The objective of the Research and Monitoring program is to obtain, interpret, disseminate and apply information and knowledge relevant to understanding the Great Barrier Reef and managing the Great Barrier Reef Marine Park.

## Description

Information on key management issues is collected from research conducted primarily by private, university, industry and government researchers under contract to the Authority. The role of staff is primarily to recommend research priorities and projects, coordinate integrated research programs, assist in research design and manage contracts for the acquisition, interpretation, dissemination and application of research results for the Authority.

## Resources

Outlays	\$3 449 039
Staffing	17.25 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- continue the development of long-term monitoring strategies and research programs in regard to Great Barrier Reef water quality, the effects of fishing and crown-of-thorns starfish
- have in place mechanisms for using the results of research to develop policies and strategies for management of water quality, the effects of fishing and crown-of-thorns starfish outbreaks
- complete the Torres Strait Baseline Study
- have in place arrangements for research of ecologically sustainable use through the CRC Reef Research Centre

- complete the State of the Marine Environment Report
- design a program of research and information collection in the social, cultural and economic field.

## Performance Outcomes

### Water Quality

The Water Quality subprogram coordinates research into the sources, fate and effects of pollutants, particularly nutrients and sediment from land run-off, which are likely to affect the Great Barrier Reef Marine Park.

The subprogram has implemented a Reef-wide monthly monitoring program and coordinated an inter-agency research program into the effects of nutrients on coral reefs. A further sixteen projects address other specific objectives. Results of this research are published through a variety of media, including reports, popular articles and at conferences.

In 1994-95, significant progress was made in the following areas:

- a total of 40 projects were funded with researchers from 16 organisations - six projects were completed, the remainder pending final reports or continuing in 1995-96
- twelve projects were continued as part of the Enrichment of Nutrients on a Coral Reef Experiment (ENCORE)
- databases for the storage and analysis of water quality information for five transects within the Marine Park were developed
- collaboration with the Queensland Department of Primary Industries, the Queensland Department of Environment and Heritage and industry groups, has continued to improve land management to minimise catchment run-off. Significant milestones include the appointment of a Water Quality extension officer and the involvement in the Downstream Effects of Land Use conference.

### Crown-of-thorns Starfish

In 1994-95, the Crown-of-thorns Starfish subprogram comprised a total of 18 projects, five of which were funded through the CRC Reef Research Centre. Sixteen projects met their respective objectives on time and within budget.

Significant progress was made in a number of projects. Highlights include the following:

#### *Local-scale controls*

Research into the development of environmentally friendly control methods for

small-scale crown-of-thorns eradication programs was successfully completed. Authority researchers identified a fully biodegradable compound to replace the previously used copper sulphate. The new chemical recommended for starfish controls, sodium bisulphate, is already being used by a number of Reef-based tourism operations currently experiencing localised problems with the starfish. A manual detailing the efficient conduct of local-scale controls has been produced.

### *Fine-scale surveys*

A new transect-based survey technique was successfully employed to assess the status of crown-of-thorns starfish populations in the Cairns Section of the Marine Park. This is the area where previous Reef-wide outbreak cycles originated. In addition to providing estimates of starfish densities on the 24 reefs surveyed in 1994-95, the method provides an insight into the age structure of starfish populations. This information will, for the first time, allow researchers to attempt forecasting of likely future changes in starfish numbers. The surveys detected two outbreaking reefs as well as an additional eight reefs with localised spot outbreaks. These findings illustrate the need for ongoing monitoring in the Cairns area to detect a possible future outbreak cycle. At this stage another cycle in the near future is a possibility.

### *COTSWATCH Reef-user reporting scheme*

COTSWATCH, the Authority's reporting scheme for crown-of-thorns starfish sightings continued to be well supported by Reef users. In 1994-95, more than 600 individual site reports were received, providing information on some 75 individual reefs in the Marine Park. The scheme is now being assisted by a number of regular contributors providing an unprecedented ability to detect localised changes in starfish populations at the earliest possible time.

Research into possible relationships between outbreaks and human activities affecting the Reef continued. Analysis of the gut contents of suspected fish predators did not support the hypothesis that over-fishing is a likely sole cause of starfish outbreaks.

A contingency plan for dealing with crown-of-thorns starfish has been developed in collaboration with members of the Reef-based tourism industry and staff of the Queensland Department of Environment and Heritage. This plan, to be implemented in the event of increasing numbers of starfish, not only identifies lines of communication between affected parties but outlines other actions to be taken in assessing the situation and minimising its effects on the industry.

## **Effects of Fishing**

The primary objectives of the Effects of Fishing subprogram are to assess the direct and indirect effects of prawn trawling on Great Barrier Reef lagoon and inter-reefal communities, to determine the effects of reef-based line fishing on the target

species and associated reef communities, and to develop strategies for managing the impacts of all fishing in the Marine Park.

Significant outcomes for 1994-95 were:

- completion of Year 3 fieldwork of the Far Northern Section Effects of Trawling Project
- review of the Far Northern Section Effects of Trawling Project
- incorporation of the Year 1 and Year 2 results of the Far Northern Section Effects of Trawling Project into the review of management of the Far Northern Section
- finalisation of the contract for Year 4 of the Far Northern Section Effects of Trawling Project
- through the CRC Reef Research Centre, review of available information on recreational boating and fishing activities and identification of information needs of management agencies
- through the CRC Reef Research Centre, the development of the design for the effects of line fishing experiment and the endorsement of this design by researchers, industry and recreational fishing sector
- definition of objectives of the Authority's Effect of Fishing Working Group and identification of targets for 1995-96.

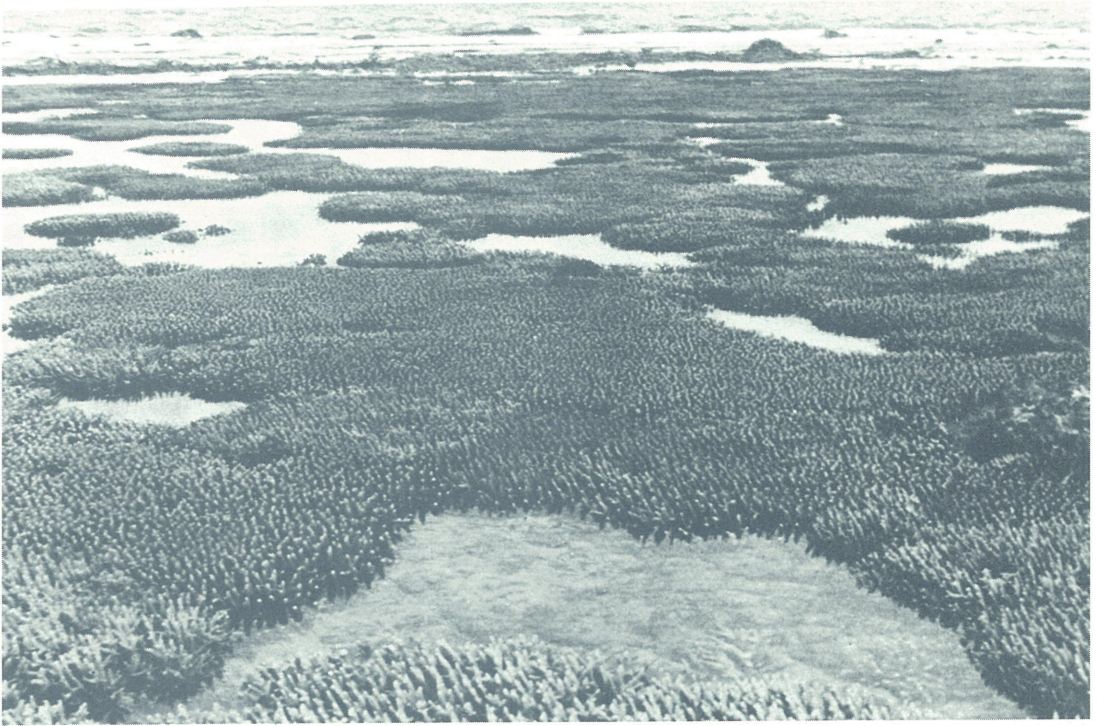
## Monitoring

The purpose of monitoring is to provide information on the health of reef organisms and communities to assist effective management of the Marine Park.

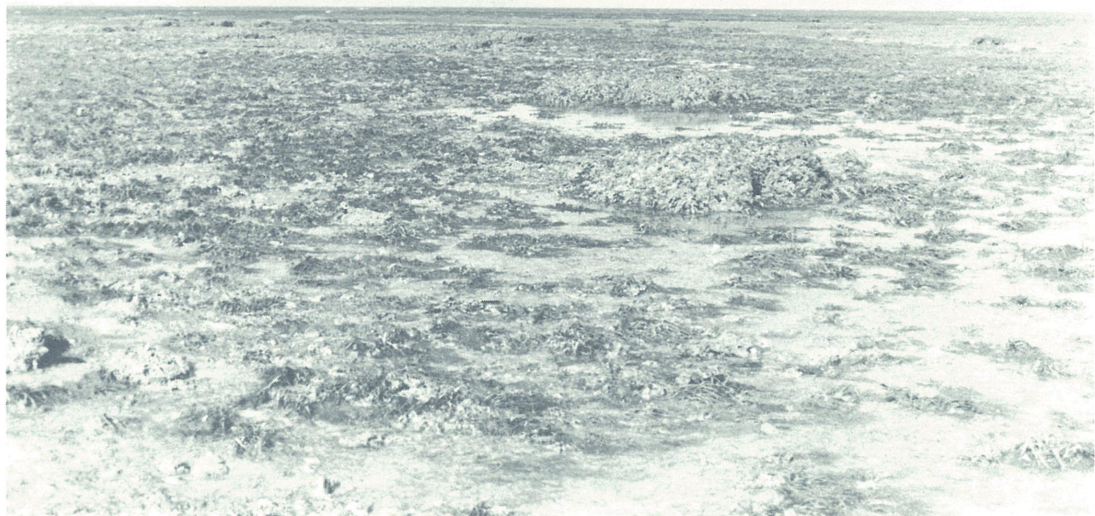
During 1994-95 a number of programs have commenced in conjunction with the CRC Reef Research Centre targeting key problems facing management of the Marine Park. Included is a pilot program to monitor levels of human use at popular sites using time-lapse video photography, a project to assess the effectiveness of coral viewing platforms at tourist pontoons and a project to construct a database of all long-term monitoring programs which have been undertaken on the Great Barrier Reef since 1975. Projects on damage to coral by scuba divers and on the cost effectiveness of rehabilitating coral communities at degraded sites have been completed during the year.

Other major outcomes for 1994-95 include:

- a resurvey of dugong populations south of Cooktown which showed that populations are at critically low levels
- a research project looking at changes in reef-flat coral communities using



The Historical Photographs Project. Results have shown that some reef-flats (e.g. Low Isles, above) have experienced little or no change in the cover of hard corals (top: southern edge of Low Isles reef 1928, bottom: 1995).



The Historical Photographs Project (cont'd). Other reef-flats (e.g. reef at Stone Island, above) have experienced significant declines in hard coral cover (top: reef-flat to the south of Stone Island around 1890, bottom: 1994).

historic and modern photographs was completed and showed that some reef-flats have undergone dramatic change over time, while there appears to be little change to others

- three monitoring projects were completed to assess the health of inshore fringing reefs in the Whitsunday and Cairns areas
- a number of pontoon monitoring projects were completed during the year and a review of impacts and monitoring is under way
- a broadscale habitat mapping and classification project for the Great Barrier Reef was started.

## **Social, Cultural and Economic subprogram**

The main objective of the Social, Cultural and Economic subprogram is to collect social, cultural and economic information for use in planning and management of the Marine Park.

During 1994-95, a discussion paper on the role of economics in decision-making was prepared, documenting a range of economic models and examining the relevance of each to the Marine Park. The paper also identified a range of economic instruments and evaluated the appropriateness of each for informed decision-making.

A national survey was conducted to judge community support for wilderness-based recreation opportunities on the Great Barrier Reef and a project funded by the National Ecotourism Program compiled an inventory of marine and coastal ecotourism opportunities in the Far Northern Section of the Marine Park.

A project, funded by the CRC Reef Research Centre, investigating the socioeconomic impact of the reopening of Bramble Reef to line fishing was started.

The Social, Cultural and Economic subprogram has also been active in presenting regular in-house seminars to address key management issues and related research and monitoring information.

A Social, Cultural and Economic Research Advisory Committee was established to:

- develop a set of social, cultural and economic research questions
- review the existing research programs of the Authority and the CRC Reef Research Centre and their ability to address research questions
- assess information gaps and future directions for research
- consider options for effective operations of Steering Committee.

## Torres Strait Baseline Study

The Torres Strait Baseline Study was instigated in response to concerns expressed by Torres Strait Islanders, commercial fishermen and scientists, about possible effects on the marine environment of the Torres Strait from mining operations in the Fly River catchment area of Papua New Guinea. The Study is being undertaken by the Authority on behalf of the Department of the Environment, Sport and Territories.

A draft report of the main study was made available for scientific peer review at the end of May 1995 and it is expected that a final report will be available in late 1995. It is also expected that a final report of trace metals in commercial species of the Torres Strait will be available at the same time.

Results for sediments and biota have indicated that the levels of trace metals are within the range reported in unpolluted tropical areas elsewhere. Levels of some trace metals, in particular cadmium, were found to be high in some types of traditional seafood, notably the offal of turtle and dugong. Cadmium is naturally present in the Torres Strait at background levels and is not derived from sediments from the Fly River. A statement was issued in March 1995 by Queensland Health advising Aboriginal and Torres Strait Islander people not to eat offal from dugong and turtle.

These results of the Baseline Study have initiated further research by Queensland Health into the possible health implications of cadmium in the diet of people consuming these foods. The Authority, through its Aboriginal and Torres Strait Islander Working Group, is keeping communities advised on progress relevant to this issue.

## State of the Marine Environment Report

In 1991, the Department of the Environment, Sport and Territories commissioned the Authority to prepare the State of the Marine Environment Report for Australia (SOMER), the first comprehensive, scientific description of Australia's marine environment. The report was released on 13 February 1995. SOMER was undertaken primarily to provide baseline information for Australia's Ocean Rescue 2000 program, a national, long-term initiative for the management of its marine environment. SOMER covers the vast area of Australia and its external territories, from the coral reefs of the tropical north to the shores of Australia's Antarctic Territory. Its major focus is the coastal waters around the Australian continent, particularly near the most heavily populated areas, and describes:

- the major marine ecosystems
- the uses of the marine environment and their effects
- the issues and threats affecting the marine environment

- the condition or health of the marine environment
- marine environmental management and conservation.

Several publications, including the main report *Our Sea, Our Future* (which describes the general findings and identifies major issues) were extensively reviewed by the federal and state governments prior to publication.

A conference on the state of the marine environments of Australasia and Oceania was held at the University of Queensland in Brisbane in February 1995 to discuss the major findings of SOMER and consider future directions in coastal research and monitoring in the region. The principal recommendations based on the issues raised in SOMER and agreed at the conference include:

- the need for immediate action
- that Australia's marine environments should be managed as a series of large marine ecosystems whose boundaries are determined on biological and not political criteria
- that a coordinating body should be established to coordinate a national, integrated and strategic approach to managing coastal and marine regions
- that community groups be better resourced to improve their input and role in decision-making and information exchange.

# external services

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## OBJECTIVE

The objective of the External Services program is to coordinate the provision of the Authority's expertise on an advisory or consultancy basis, both nationally and overseas, in the areas of environmental management advice, training and technical assistance.

## Description

The Authority has a good reputation nationally and internationally for its technical expertise in marine park management and integrated coastal and marine resource management. Since 1991, there has been an increasing demand for the provision of assistance and advice on marine and coastal management.

The External Services Section now coordinates and manages a number of consultancies in Australia and overseas. Using the Authority's wide network of contacts, External Services draws on the expertise of Authority staff as

well as other specialists from throughout Australia and overseas.

## Resources

Outlays	\$1 216 391
Staffing	9.00 staff years

## Performance Information

The specific objectives for 1994-95 were to:

- continue to operate on a cost-recovery basis
- continue regional planning and environmental management advice, technical assistance and training
- develop, in cooperation with IUCN and the World Bank, a series of 18 regional reports addressing the establishment of a global representative system of marine protected areas
- implement placement training in marine area management for overseas rangers
- complete the Tropical Marine Ecosystem training program funded by the Australian Agency for International Development.

## Performance Outcomes

The activities undertaken by the External Services program in 1994-95 include marine park and coastal zone management training programs, technical reports, project and program evaluations, provision of policy advice and collaboration with national, international and regional bodies. During 1994-95 consultancy services were provided to a wide range of countries including Malaysia, Singapore, Indonesia, Philippines, Vietnam, Papua New Guinea, Fiji, Brunei, Thailand, Egypt, Yemen, Kenya, Seychelles, Mauritius, the United States of America and Western Samoa.

An increased number of external activities and consultancies were carried out on a cost-recovery basis during the year in the areas of policy advice, training and support of national and regional activities.

Gross revenue to the Authority in 1994-95 from External Services projects totalled \$1.44 million. Expenditure to 30 June 1995 was \$1.22 million.

The program also works at the global level through such agencies as the World Bank and the World Conservation Union (IUCN) to develop and implement international policy and programs for coral reef conservation, marine and coastal management and for marine protected areas. Other global initiatives include preparation of a report for the World Bank on priorities for a global system of marine protected areas, and participation in the International Coral Reef Initiative.

The Authority is a partner in two collaborative ventures for the provision of external services: the International Tropical Marine Resource Centre (INTROMARC) which focuses on the provision of quality education, training, scientific capability and management expertise in tropical marine aspects of ecologically sustainable development; and the Australian Marine Science and Technology Limited (AMSAT) which draws on the expertise of Australian Government marine management, research and technical agencies.

Projects undertaken in 1994-95 are summarised below.

### Global Representative System of Marine Protected Areas

In cooperation with IUCN, the Authority completed a four-year consultancy for the World Bank to identify priority areas for the conservation of marine biodiversity. A report which outlines priorities for the establishment and improved management of marine protected areas in each of 18 marine regions around the world was published and launched in Washington in June 1995.

The Authority provided logistical and project management support as a consultant to the former Chairman of the Authority, Professor Graeme Kelleher, who is the Vice-Chairman (Marine) of the IUCN's Commission on National Parks and Protected Areas.

## **World Bank training**

The External Services Section prepared a report on training needs for staff and local consultants of the World Bank to address the issues of integrated coastal zone management in the broad range of its program activities.

## **World Bank project evaluation**

The Authority provided expert technical advice in the conduct of a feasibility study for a proposed Coral Reef Management Program for Indonesia.

## **State of the Environment Coastal Zone Technical Paper**

External Services produced a paper summarising the state of the intertidal and subtidal coastal environments (excluding coral reefs, mangroves and seagrasses) Australia wide, for the Department of the Environment, Sport and Territories State of the Environment Report.

## **Tropical Marine Ecosystem Project (TROMES)**

The TROMES program, started in 1993 to assist countries to improve the management of tropical and semi-tropical coastal and marine environments, was completed in May 1995. Through INTROMARC, External Services conducted management training workshops, funded by the Australian Agency for International Development (AusAID), in Vietnam, Philippines, Thailand, Mauritius and Papua New Guinea.

## **Egyptian ranger training**

External Services coordinated the training of two rangers from the Ras Mohammed Marine Park on the Red Sea. The ten-week placement with the Authority and the Queensland Department of Environment and Heritage was funded by the European Union.

## **Induction course on Great Barrier Reef Marine Park Management**

External Services developed a comprehensive staff induction course for new staff of the Authority and staff from other agencies, designed to increase understanding of the Authority's operations and of the complexities of managing a multiple-use marine park. The course identified the critical issues faced by the Authority and strategies to tackle these issues.

## **Dive instructor training in ecologically sustainable diving**

In March 1995 a training manual on ecologically sustainable diving was completed for the CRC Reef Research Centre. The manual will be used in training dive

instructors about the marine environment and about ways to minimise diver impact on the Reef.

## **Ocean Rescue 2000 Marine Protected Area Program**

As part of the Ocean Rescue 2000 Marine Protected Area program, External Services is currently managing 11 projects in Western Australia, the Northern Territory, Queensland, New South Wales and Tasmania. Community initiatives include public contact programs in Western Australia, in response to the Wilson Report on selection of marine protected areas, and in Victoria, in response to the Victorian report on marine protected areas. These projects were coordinated through the Marine and Coastal Community Networks in both states.

In October 1994, the Authority coordinated a workshop for Ocean Rescue 2000 Marine Protected Area project officers. Representatives of each State and the Northern Territory met to develop an action plan for the marine protected areas program.

## **Department of Industry, Science and Technology/Environment Protection Agency workshops**

The Authority participated in workshops in Indonesia and Malaysia, organised by the Department of Industry, Science and Technology and the Environment Protection Agency to demonstrate Australia's capacity in coastal and marine management technologies.

## **United Nations Environment Programme, East Asian Seas Programme**

External Services provided general technical support to the Coordinating Body on the Seas of East Asia (COBSEA) and the United Nations Environment Programme Regional Coordinating Unit, East Asian Seas (RCU/EAS).

The Authority coordinated the development of a training manual for the Regional Coordinating Unit for the East Asia Seas. A staff training manual for the management of marine protected areas, designed to be used by trainers throughout South-East Asia, was published in October 1994, by the United Nations Environment Programme. At the end of the year work was well advanced under a follow-up contract for preparation of a companion training manual on Integrated Coastal Zone Management which is due to be published in late 1995.

The Authority was also involved in stage one of an integrated catchment management project to undertake an assessment of the effects of sediments, nutrients and pollutants on coastal wetlands, seagrass areas and coral reefs in the East Asia Seas region. The Authority coordinated the preparation of preliminary reports for Australia. These and equivalent reports from other participating

countries, were considered at a workshop in Bangkok which identified requirements for developing a regional overview.

The Authority has been contracted to prepare, on the basis of revised national reports, a regional overview of the effects of sediments, nutrients and pollutants on coral reefs.

### **IUCN Eastern Africa Regional Office**

The Authority provided advice to the Seychelles Conservation and National Parks Service and the Kenya Wildlife Service regarding the establishment of underwater snorkelling trails in their marine parks.



Grahame Byron (left) from the Queensland Department of Environment and Heritage was seconded to provide advice on underwater snorkelling trails in Kenya and Seychelles.

### **ASEAN-Australia Economic Cooperation Program Phase III**

ASEAN-Australia Economic Cooperation Program Phase III is a four-year project managed by AMSAT to strengthen agencies and organisations in South-East Asia through the establishment of national information centres for coastal resource management. Under this program the Authority conducted training workshops in Townsville and in the ASEAN countries.

## **Australian Centre for International Agricultural Research/Solomon Islands**

Under contract to the Australian Centre for International Agricultural Research (ACIAR) the Authority is managing a program of research to assess the effect of management of marine protected areas as a means of restoring and managing tropical multi-species invertebrate fisheries in the Arnarvon Islands.

Initial training and follow-up surveys have been successfully conducted with the support of an Authority consultant.

# canberra office

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## OBJECTIVES

The objectives of the Canberra office of the Authority are to establish and maintain effective liaison, communication and coordination links with the Minister, Parliamentary Committees, the Department of the Environment, Sport and Territories and other Canberra-based government and non-government organisations with interests in the Great Barrier Reef. The office also provides credible and high quality policy advice and information about the Great Barrier Reef in particular and marine and coastal conservation and management generally; provides secretariat services for the Great Barrier Reef Ministerial Council; and assists other Authority sections to develop and deliver their programs.

## Description

The Canberra office is the principal point of contact on Great Barrier Reef matters in Canberra. It provides office and administrative support for the External Services Section and a secretariat for the Great Barrier Reef Ministerial Council.

The office liaises with and prepares submissions to the Minister's Office, portfolio agencies, and other Commonwealth organisations on matters affecting the operation of the Authority including budgetary, financial and legal matters. Office staff represent the Authority, Chairperson and the Townsville office and work with staff in the other programs in the development of policy. The office advises the Chairperson on policy matters.

The office monitors other government programs and parliamentary activities that may affect Authority programs, undertakes investigations into matters of interest to the Authority, assists other organisations with the development of marine and coastal related policies and programs and provides information to government and non-government organisations, parliamentarians, foreign diplomatic missions and the general public about the Great Barrier Reef Marine Park.

## Resources

Outlays	\$228 804
Staffing	4.50 staff years

## Performance Information

Performance is assessed by:

- the quality and timeliness of advice, assistance, submissions and correspondence to the Minister, Ministerial Council, Chairperson, Parliamentary Committees, other organisations, members of the public and other sections of the Authority
- the extent to which statutory, Ministerial, Marine Park Authority and Ministerial Council requirements are met
- the extent to which advice and assistance provided by the office is utilised within the Authority.

## Performance Outcomes

### Submissions and representation

The office drafted 54 submissions to the Minister and coordinated and provided submissions to, or commented on, draft papers associated with the Department's Coastal Policy Submission, Port Hinchinbrook marina proposal, live fish export operations and developments in the Great Barrier Reef World Heritage Area. The office also coordinated drafting of about 90 responses to public representations to the Minister.

The office participated in a number of meetings of portfolio task forces on priority issues of water quality, marine and coastal conservation and reserves.

### Great Barrier Reef Ministerial Council

The office organised the 20th meeting of the Great Barrier Reef Ministerial Council in Cairns on 27 July 1994.

### Compulsory pilotage

The office continued to coordinate the operation of compulsory pilotage for shipping using the inner route of the Great Barrier Reef. Close contact was maintained with the Australian Maritime Safety Authority during the year to ensure that vessels granted exemption from Compulsory Pilotage were abiding by the conditions imposed when the exemption was granted.

### Ocean Rescue 2000

The Canberra office continued to assist the Department of the Environment, Sport and Territories in the development and management of this national marine conservation and sustainable use program, announced by the Minister in 1991, and

continued to provide a coordinating role for the three program components that involve the provision of Authority services by other sections: preparation of the State of the Marine Environment Report, National Marine Education Program and the National Representative System of Marine Protected Areas.

## **Appointments**

The Canberra office had a pivotal liaison and coordination role in the identification of prospective appointees to replace two members of the Great Barrier Reef Consultative Committee. The office also assisted the Department of the Environment, Sport and Territories in preliminary actions associated with appointing a member to the Authority to represent the interests of the Aboriginal communities adjacent to the Great Barrier Reef Marine Park.

## **Port Hinchinbrook Experts Workshop on Mangroves and Seagrasses**

In December 1995 the Canberra office undertook on behalf of the Department of the Environment, Sport and Territories the coordination and management of an experts workshop chaired by the Commonwealth's Chief Scientist, Professor Michael Pitman. The workshop's objective was to develop a consensus about impacts of the development of a resort/marina on the seagrass beds and other World Heritage values and ways to prevent adverse impacts.

## **Legislation**

The office facilitated the passage through Parliament of amendments made to the *Great Barrier Reef Marine Park Act 1975*.

## **Restructuring of the Canberra office**

The move of the Chairperson to the Townsville office necessitated a restructure and redefinition of reporting arrangements within the Canberra office. As a consequence of these new arrangements the Canberra office now reports directly to the Executive Officer of the Authority.

## **Executive Development Scheme**

Mr Peter Ottesen, Director of the Canberra Office, took up a placement on the Public Service Commission's Executive Development Scheme in February 1995 for approximately 14 months.

# corporate management and services

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## OBJECTIVE

The objective of the Corporate Management and Services program is to achieve cost-effective delivery of programs by providing management and administrative support to the Authority and its staff. For reporting purposes, this program also includes the Executive and Secretariat unit which provides high quality and timely service to the Great Barrier Reef Marine Park Authority, the Executive Group, the Chairperson, the Executive Officer, other staff of the Authority and the Great Barrier Reef Consultative Committee.

## Description

The Corporate Management and Services program includes:

- human resource management
- financial management
- accommodation and facilities
- office services
- records management
- secretariat for the Great Barrier Reef Marine Park Authority, the Great Barrier Reef Consultative Committee and the Executive Group.

## Resources

Outlays	\$1 276 075
Staffing	21.50 staff years

## Performance Information

The efficiency of corporate services is assessed in relation to their cost and the extent to which

they comply with Authority and external requirements, as measured by:

- the management of staff numbers and salary budget (% variation)
- the management of financial resources (% variation from budget)
- the cost of the support services in relation to the Authority's overall outlay (time/cost for key tasks or services e.g. payment of accounts, recruitment activities)

- compliance with standards of quality as reflected by audit findings.

The effectiveness of corporate services is assessed by the extent to which the corporate services infrastructure is adapted to support all programs and central resource management requirements as measured by:

- the degree of client satisfaction with the standard of each service
- the timeliness of the implementation of Authority policies and decisions
- implementation of government policies and directives
- resource usage outcomes
- the provision of an equitable and participative work environment
- the provision of training and development opportunities which enable staff to achieve their full potential and acquire the expertise and flexibility to meet changing requirements.

Specific objectives for the Executive and Secretariat unit for 1994-95 were to:

- provide secretariat support for the Authority, the Executive Group and the Great Barrier Reef Consultative Committee
- provide executive support for the Chairperson and the Executive Officer
- facilitate corporate and strategic planning
- coordinate the operations of the Authority.

In early 1995, responsibility for public relations and media liaison functions was transferred to the Education, Information and Media program.

## Performance Outcomes

Achievements of the Corporate Management and Services program during 1994-95 include:

- protection of Marine Park values through an exchange with the Australian Maritime Safety Authority of lighthouse properties within the Marine Park
- completion of a review of Authority funding resulting in an increase in Appropriation in the 1995-96 Budget
- completion of recruitment of new Senior Executive Service staff and implementation of the new executive structure
- negotiation and certification by the Australian Industrial Relations Commission of an Agency Bargaining Agreement
- provision of an Executive Development Scheme placement and a range of other training programs

- implementation of additional modules of a Financial Management Information System
- coordination of the Authority's 1995-2000 corporate planning process
- launch of the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area and discussions on implementation arrangements with stakeholder groups.

Staff development activities included the Executive Development Scheme, Public Administration Certificate course, studies assistance and internal Information Technology training to meet needs identified through staff appraisals.

The following difficulties were encountered during 1994-95.

- Office accommodation issues remain unresolved.
- Lack of a Human Resource Information System caused problems in complying with audit deadlines and reporting requirements.
- Shortcomings in Occupational Health and Safety infrastructure and consultation processes were identified in an audit by Comcare.
- An Aboriginal and Torres Strait Islander employment and training strategy was completed but insufficient resources were available to implement the strategy.

## **Corporate and strategic planning**

Information on corporate planning and the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area is outlined in the Corporate Overview.

## **Secretariat and support**

There has been a noticeable increase in the demands on secretariat services. This has required the unit to become more focused in its work priorities in order to maintain services. The demands are due in part to structural changes within the organisation resulting from its increased size, the enthusiasm of the Great Barrier Reef Consultative Committee to communicate more widely with the Reef user communities and other organisations, the greater diversity of Reef issues and the involvement in implementation of the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area.

Details of the Authority, the Executive Group and the Great Barrier Reef Consultative Committee are outlined in the Corporate Overview and in appendix A.

## **Executive support and external liaison**

Staff of the Executive and Secretariat unit assist in maintaining the many external relations the Authority has developed. This work is integral to the effective coordination of the internal operations of the Authority. The outcomes are reflected in the general standing of the organisation as a whole.

# APPENDIX A

## great barrier reef consultative committee

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The Great Barrier Reef Consultative Committee was established by the *Great Barrier Reef Marine Park Act 1975* as an independent advisory body for both the Minister and the Authority. Specific functions are defined in section 21 of the Act.

The Consultative Committee represents a wide cross-section of interests in the Great Barrier Reef, from both the public and private sectors, including tourism, fishing, science, conservation, local government and the Aboriginal and Torres Strait Islander communities. It consists of members appointed by the Minister for a three-year term and a member of the Authority appointed by the Authority for an indefinite term. The appointments by the Minister took effect on 16 August 1993.

Professor Graeme Kelleher, the Authority's appointee, was a member of the Consultative Committee until his term as Chairman of the Authority ceased on 19 December 1994. Dr Ian McPhail was appointed to the Committee by the Authority on 22 February 1995.

### Membership as at June 1995

Professor Helene Marsh (Chairperson)	James Cook University of North Queensland
Mr Harry Bonanno	Canegrowers
Councillor Ann Bunnell	Council of the City of Townsville
Mr Mike Burgess	Association of Marine Park Tourism Operators
Ms Sally Driml	Australian National University
Mr Tony Fontes	Dive Tourism Association of Australia
Mr Denis Griffith	Sunfish
Mr Eddie Hegerl	Australian Marine Conservation Society and Queensland Conservation Council
Dr Ann Hoggett	Lizard Island Research Station
Mr Ted Loveday	Queensland Commercial Fishermen's Organisation
Dr Ian McPhail	Great Barrier Reef Marine Park Authority

Mr David Mazitelli	Commonwealth Department of Tourism
Mr Peter Neville	Queensland Department of Primary Industries
Mr Peter O'Clery	Tourism Council Australia
Mr Dave Perkins	Queensland Department of Environment and Heritage

Two members recently left the Committee (Mr Adrian Jeffreys on 11 January 1995 and Mr Greg McLean on 11 May 1995). Arrangements for the Minister to appoint persons to replace these members are under way.

## Business Activities

The Committee is served by the secretariat in the Townsville office of the Authority. During 1994-95, the Consultative Committee met twice as follows:

- 20 and 21 October 1994, Brisbane
- 1 and 3 March 1995, Airlie Beach and Brampton Island.

Meetings of the Committee are supported by staff of the Authority and indirectly by staff of the Queensland Department of Environment and Heritage. During 1994-95, four other persons attended meetings of the Committee to provide professional and expert advice, at no cost to the Committee. These persons were affiliated with the Queensland Fisheries Management Authority, the University of Queensland, the James Cook University of North Queensland and Kayt Raymond and Associates. At its meeting in March, the Committee joined with the Whitsunday Coastal Advisory Committee and Giru Dala Council of Elders to discuss issues relating to the Whitsunday area.

Under arrangements established in 1993-94, the Committee may advise, through the Authority, the Queensland Minister for Environment and Heritage and the CRC Reef Research Centre.

During the year, the Consultative Committee responded to requests from the Authority for advice on matters including:

- the Committee's role in the implementation of the 25 Year Strategic Plan for the Great Barrier Reef World Heritage Area;
- world heritage values;
- review of funding arrangements for the Authority (and the Great Barrier Reef Aquarium);
- recommendations of the International Seminar on the Protection of Sensitive Sea Areas;
- zoning of the Far Northern Section of the Marine Park;

- mooring and anchoring;
- day-to-day management, including a five-year funding strategy;
- mariculture industry development; and
- exclusive use of the Marine Park.

Its advice on day-to-day management funding is contained in a paper by two members, Ms Driml and Mr O'Clery, called 'Resources for Management of the Great Barrier Reef Marine Park'. This paper, and summary documents of the Committee's meetings, are available on request from the secretariat.

Advice to the Commonwealth Minister in part concerned:

- the composition and membership of the Great Barrier Reef Marine Park Authority;
- the recommendations by Mr John Whitehouse in his review of the Authority, particularly in relation to the Authority remaining as a separate authority distinct from the Australian Nature Conservation Agency;
- the safety of shipping in and around the Great Barrier Reef and 'sensitive sea areas'; and
- the role of the Administrative Appeals Tribunal in regard to decisions under the *Environment Protection (Impact of Proposals) Act 1974*.

## APPENDIX B

# authority senior management

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### Townsville Office

Dr Wendy Craik	(Executive Officer)
Ms Dianne Brien	(Senior Director, Education and Aquarium - 12/10/94 - 30/6/95)
Ms Prue Keen	(Senior Director, Planning and Environmental Management - 10/10/94 - 30/6/95)
Mr Ian Burston	(Director, Education and Information)

Mr Peter McGinnity	(Director, Planning and Management)
Mr Mike Bugler	(Acting Director, Environmental Impact Management)
Dr Zena Dinesen	(Acting Director, Permits Review)
Mr Simon Woodley	(Director, Research and Monitoring - 1/7/94 - 31/3/95)
	(Director, External Services - 3/4/95 - 30/6/95)
Mr Jon Brodie	(Acting Director, Research and Monitoring - 23/1/95 - 30/6/95)
Mr Ross Hebblewhite	(Director, Administration - 1/7/94 - 3/3/95)
Ms Jan Blomfield	(Acting Director, Administration - 27/7/94 - 21/12/94)
Mr John Barrett	(Acting Director, Administration - 6/3/95 - 30/6/95)
Mr Martin Jones	(Director, Aquarium)

## Canberra Office

Mr Richard Kenchington	(Senior Director, External Services)
Mr Peter Ottesen	(Director, Canberra Office - 1/7/94 - 25/1/95)
Mr Colin Trinder	(Acting Director, Canberra Office - 27/1/95 - 30/6/95)

# APPENDIX C

## publications

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### Workshop Series (ISSN 0156-5842)

1. *Workshop on the Northern Sector of the Great Barrier Reef : Papers and Proceedings of a Workshop held in Townsville, Australia 20 and 21 April, 1978, 1978, GBRMPA, Townsville. ISBN 0 642 91150 9 (Out of print)*
2. *Workshop on Reef Fish Assessment and Monitoring held at Heron Island 18-28 November 1978, 1978, GBRMPA, Townsville. (Out of print)*
3. *Workshop on Coral Trout Assessment Techniques held at Heron Island 21 April - 4 May 1979, 1979, GBRMPA, Townsville. (Out of print)*
4. *Papers and Proceedings of the Workshop 'Tourism and the Great Barrier Reef' held in Mackay, Australia, 9-11 April 1979, 1981, GBRMPA, Townsville. ISBN 0 642 52273 1 (Out of print)*

5. *Workshop on Contaminants in Waters of the Great Barrier Reef : Proceedings of a Workshop held at Griffith University, Brisbane, Australia, 26 May 1984*, 1985, ed. I. M. Dutton, GBRMPA, Townsville. ISBN 0 642 52401 7 (Out of print)
6. *Workshop on Response to Hazardous Chemical Spills in the Great Barrier Reef Region : Proceedings of a Workshop held in Townsville, Australia, Friday, 3 August 1984*, 1985, ed. G. J. S. Craik, GBRMPA, Townsville. ISBN 0 642 52409 2 (Out of print)
7. *The Offshore Effects of Cyclone Winifred : Proceedings of a Workshop held at the Townsville International Hotel, Friday, June 20, 1986*, 1986, ed. I. M. Dutton, GBRMPA, Townsville. ISBN 0 642 52529 3 (Out of print)
8. *Traditional Knowledge of the Marine Environment in Northern Australia : Proceedings of a Workshop held in Townsville, Australia, 29 and 30 July 1985*, 1988, eds F. Gray & L. Zann, GBRMPA, Townsville. ISBN 0 642 52609 5 (Out of print)
9. *Fringing Reef Workshop : Science, Industry and Management : Proceedings of a Workshop held at Arcadia Resort, Magnetic Island, Australia, October 23-25, 1986*, 1987, ed. C. L. Baldwin, GBRMPA, Townsville. ISBN 0 642 52633 8
10. *Nutrients in the Great Barrier Reef Region : Proceedings of a Workshop held in Townsville, Australia, 26 and 27 November 1987*, 1988, ed. C. L. Baldwin, GBRMPA, Townsville. ISBN 0 642 12016 1 (Out of print)
12. *Workshop on the Role of Scientific Support Co-ordinator (SSC) in Oil Spill Response : Proceedings of National Workshop Mackay, Australia, November 22-25, 1988*, 1989, ed. I. M. Dutton, GBRMPA, Townsville. ISBN 0 642 12010 2 and ISBN 0 642 14672 1
14. *Workshop on the Use of Bioremediation for Oil Spill Response in the Great Barrier Reef Region : Proceedings of a Workshop held in Townsville, Australia, 25 February 1991*, 1993, eds J. Lash & S. Raaymakers, GBRMPA, Townsville. ISBN 0 642 12004 8
15. *Workshop on Oiled Seabird Cleaning and Rehabilitation : Proceedings of a Workshop held in Townsville, Australia, 26 February 1991*, 1994, eds J. Lash & S. Raaymakers, GBRMPA, Townsville. ISBN 0 642 12012 9
16. *Sustainable Development for Traditional Inhabitants of the Torres Strait Region : Proceedings of the Torres Strait Baseline Study Conference, Kewarra Beach, Cairns, Queensland 19-23 November 1990*, 1991, eds D. Lawrence & T. Cansfield-Smith, GBRMPA, Townsville. ISBN 0 642 12028 5 (Out of print)
17. *Workshop on the Impacts of Flooding : Proceedings of a Workshop held in Rockhampton, Australia, 27 September 1991*, 1992, ed. G. T. Byron, QDEH/GBRMPA, Queensland. ISBN 0 642 12044 7 (Out of print)
18. *The Possible Causes and Consequences of Outbreaks of the Crown-of-thorns Starfish : Proceedings of a Workshop held in Townsville, Queensland, Australia, 10 June 1992 at the Sheraton Breakwater Casino Hotel*, 1993, eds U. Engelhardt & B. Lassig, GBRMPA, Townsville. ISBN 0 642 17417 2

19. *Hulls, Hazards and Hard Questions : Shipping in the Great Barrier Reef : Reducing the Risk of Spilling Oil and Other Hazardous Substances : Proceedings of a Meeting of Experts held in Canberra, Australian Capital Territory 14-15 April 1993, 1994*, ed. P. Ottesen, GBRMPA, Townsville. ISBN 0 642 17427 X

20. *Encounters with Whales '93 : a Conference to Further Explore the Management Issues Relating to Human/Whale Interactions : Proceedings of a Conference held at Lady Elliot Island, Australia, 6-10 September 1993, 1994*, eds D. Postle & M. Simmons, GBRMPA, Townsville. ISBN 0 642 17435 0

21. *The John Brewer Reef Floating Hotel : a Case-Study in Marine Environmental Monitoring : Proceedings of a GBRMPA Workshop reviewing the Environmental Monitoring Program, held in Townsville, Australia in December 1989, 1995*, eds V. Harriott and P. Saenger, GBRMPA, Townsville. ISBN 0 642 17429 6

### **Technical Memorandum Series (ISSN 0817-6094)**

GBRMPA-TM-1. *Research on Fishes of the Great Barrier Reef*, 1978, W. Craik, GBRMPA, Townsville. (Out of print)

GBRMPA-TM-2. *Fisheries Factors Affecting Marine Park Management*, 1978, W. Craik, GBRMPA, Townsville. (Out of print)

GBRMPA-TM-4. *Amateur Fishing on the Great Barrier Reef*, 1979, W. Craik, GBRMPA, Townsville. (Out of print)

GBRMPA-TM-5. *Report of Scientific Discussion Meeting on the Physical Oceanography of the Great Barrier Reef Region held at the University of New South Wales 5-6 July 1982, 1983*, J. H. Middleton, GBRMPA, Townsville. (Out of print)

GBRMPA-TM-6. *Age Structure of the Fantome Island Fringing Reef*, 1985, D. P. Johnson, GBRMPA, Townsville. (Out of print)

GBRMPA-TM-7. *Reef Cover and Zonation Classification System for Use with Remotely Sensed Great Barrier Reef Data*, 1983, 1986, D. Kuchler, GBRMPA, Townsville. ISBN 0 642 52513 7 (Out of print)

GBRMPA-TM-8. *Geomorphological Nomenclature : Reef Cover and Zonation on the Great Barrier Reef*, 1983, 1986, D. Kuchler, GBRMPA, Townsville. ISBN 0 642 52521 8

GBRMPA-TM-9. *Reef Cover and Zonation Classification System for Use with Remotely Sensed Great Barrier Reef Data : User Guide and Handbook*, 1983, 1987, D. Kuchler, GBRMPA, Townsville. ISBN 0 642 52561 7

GBRMPA-TM-10. *Geomorphological Separability, Landsat MSS and Aerial Photographic Data : Heron Island, Great Barrier Reef*, 1983, 1987, D. Kuchler, GBRMPA, Townsville. ISBN 0 642 52569 2 (Out of print)

GBRMPA-TM-11. *An Atlas of the Skeletal Components of the Crown-of-thorns Starfish, October 1984, 1987*, P. D. Walbran, GBRMPA, Townsville. ISBN 0 642 52641 9 (Out of print)

GBRMPA-TM-13. *Aquarium Fishes and Their Collection in the Great Barrier Reef Region, September 1986, 1986*, M. Whitehead et al., GBRMPA, Townsville. [ISBN 0 642 12116 8]

GBRMPA-TM-14. *Sedimentary Framework of Mainland Fringing Reef Development, Cape Tribulation Area, November 1987, 1987*, D. P. Johnson & R. M. Carter, GBRMPA, Townsville. ISBN 0 642 12000 5

GBRMPA-TM-15. *The Natural Recruitment and Recovery Process of Corals at Green Island, July 1987, 1990*, V. J. Harriott & D. A. Fisk, GBRMPA, Townsville. ISBN 0 642 12024 2

GBRMPA TM-16. *Accelerated Regeneration of Hard Corals : a Manual for Coral Reef Users and Managers, July 1987, 1995*, V. J. Harriott & D. A. Fisk, GBRMPA, Townsville, ISBN 0 642 12032 3

GBRMPA-TM-17. *Social Carrying Capacity in Recreational Settings : a Literature Review, October 1988, 1988*, M. Watson, GBRMPA, Townsville. ISBN 0 642 12001 3

GBRMPA-TM-18. *Marine Parks and Protected Areas : a Bibliography, 1989*, J. A. Dartnall, GBRMPA, Townsville. ISBN 0 642 12017 X

GBRMPA-TM-19. *Additions and Revisions to the Checklist of Fishes of the Capricorn-Bunker Group, Great Barrier Reef, Australia, 1990*, G. R. Lowe & B. C. Russell, GBRMPA, Townsville. ISBN 0 642 12033 1

GBRMPA-TM-20. *The Effects of Increased Sedimentation on the Recruitment and Population Dynamics of Juvenile Corals at Cape Tribulation, North Queensland, September 1989, 1989*, D. A. Fisk & V. J. Harriott, GBRMPA, Townsville. ISBN 0 642 12018 8

GBRMPA-TM-21. *Morphology and Development of the Cape Tribulation Fringing Reefs, Great Barrier Reef, Australia, May 1989, 1990*, B. R. Partain & D. Hopley, GBRMPA, Townsville. ISBN 0 642 12026 9

GBRMPA-TM-23. *Management of Recreational Fishing in the Great Barrier Reef Marine Park, November 1989, 1990*, W. Craik, GBRMPA, Townsville. ISBN 0 642 12003 X

GBRMPA-TM-24. *Sedimentation Resulting from Road Development, Cape Tribulation Area, October 1990, 1993*, D. Hopley, R. van Woesik, D. C. Hoyal, C. E. Rasmussen & A. D. L. Steven, GBRMPA, Townsville. ISBN 0 642 12011 0

### Technical Report Series (ISSN 0814-9224)

GBRMPA-TR-1. *Management of Dugong : an Endangered Marine Species of Traditional*

*Significance*, 1985, C. L. Baldwin, GBRMPA, Townsville. ISBN 0 642 52441 6

### **Special Publication Series (ISSN 0810-6983)**

1. *Annotated Checklist of the Coral Reef Fishes in the Capricorn-Bunker Group, Great Barrier Reef, Australia*, 1983, B. C. Russell, GBRMPA, Townsville. ISBN 0 642 52313 4 (Out of print)

2. *Fisheries of the Great Barrier Reef*, 1985, T. Hundloe, GBRMPA, Townsville. ISBN 0 642 52417 3 (Out of print)

3. *Guide to the Identification of Seagrasses in the Great Barrier Reef Region*, 1986, J. Lanyon, GBRMPA, Townsville. ISBN 0 642 52489 0

### **Research Publication Series (ISSN 1037-1508)**

(Note: most research reports published before no. 13 are not numbered)

*Green Island Economic Study, October 1979*, 1983, Economic Associates Australia, GBRMPA, Townsville. ISBN 0 642 52337 1

*Data Review of Reef Related Tourism 1946-1980, February 1984*, 1984, Australian Travel Industry Association (Queensland Board), GBRMPA, Townsville. ISBN 0 642 52353 3 (Out of print)

*Australian Marine Research in Progress : Great Barrier Reef Region*, 1984-85, 1985-86, 1988-89, GBRMPA, Townsville. ISSN 0815-0087

*The Application and Potential of Remote Sensing in the Great Barrier Reef Region, February 1986*, 1986, D. L. B. Jupp, GBRMPA, Townsville. ISBN 0 642 52449 1 (Out of print)

*Economic Impacts of Activities on the Great Barrier Reef, March 1987*, 1987, S. Driml, GBRMPA, Townsville. ISBN 0 642 52649 4 (Out of print)

*A User-Based Evaluation of the Zoning Plan and Day-to-Day Management in the Capricornia Section of the Great Barrier Reef Marine Park, March 1987*, 1987, Environment Science and Services, GBRMPA, Townsville. ISBN 0 642 52657 5

*Great Barrier Reef Tourism : a Review of Visitor Use, June 1987*, 1987, S. M. Driml, GBRMPA, Townsville. ISBN 0 642 52689 3 (Out of print)

*Usage of Marine Resources by Aboriginal Communities on the East Coast of Cape York Peninsula, June 1987*, 1989, A. Smith, GBRMPA, Townsville. ISBN 0 642 12025 0 (Out of print)

11. *The History of Dredging in Cleveland Bay, Queensland and its Effect on Sediment Movement and on the Growth of Mangroves, Corals and Seagrass*, 1989, A. W. Pringle, GBRMPA & Townsville Port Authority, Townsville. ISBN 0 642 12034 X

*Final Report on the Results of COTSAC Management Related Research : December 1985 to June 1989, 1991, B. Lassig, GBRMPA, Townsville. ISBN 0 642 12027 7*

13. *The Fringing Reefs of Magnetic Island : Benthic Biota and Sedimentation : a Baseline Study, March 1989, 1992, B. D. Mapstone, J. H. Choat, R. L. Cumming & W. G. Oxley, GBRMPA, Townsville. ISBN 0 642 12047 1 (Out of print)*

14. *A Pilot Study of Baseline Levels of Water Quality Around Green Island, June 1990, 1992, A. D. L. Steven, R. van Woessik, D. Hopley & J. Brodie, GBRMPA, Townsville. ISBN 0 642 12031 5 (Out of print)*

15. *Crown-of-thorns and Coral Trout Density on Three Central Section Reefs 1983-1989, December 1989, 1992, A. M. Ayling & A. L. Ayling, GBRMPA, Townsville. ISBN 0 642 17392 3 (Out of print)*

16. *Dissolved and Particulate Nutrients in Waters of the Whitsunday Island Group, September 1988, 1992, M. Furnas, A. W. Mitchell, J. Wellington & B. Brady, GBRMPA, Townsville. ISBN 0 642 12039 0 (Out of print)*

17. *Impact of Dredging on the Volute Cymbiolacca pulchra and its Environment at Heron Island, Great Barrier Reef, Australia, 1992, C. P. Catterall, I. R. Poiner & J. Kerr, GBRMPA, Townsville. ISBN 0 642 17400 8 (Out of print)*

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18. *Magnetic Quay Water Quality and Sediment Baseline Study, March 1989, 1992, J. E. Brodie, B. D. Mapstone & R. L. Mitchell, GBRMPA, Townsville. ISBN 0 642 12005 6 (Out of print)*

19. *Norman Reef Environmental Monitoring Project, April 1989, 1992, A. M. Ayling & A. L. Ayling, GBRMPA, Townsville. ISBN 0 642 12023 4 (Out of print)*

20. *Impact of Elevated Nutrients in the Great Barrier Reef, June 1990, 1992, C. L. Baldwin, GBRMPA, Townsville. ISBN 0 642 17384 2 (Out of print)*

21. *Biological Basis for Managing Dugongs and Other Large Vertebrates in the Great Barrier Reef Marine Park, January 1989, 1992, H. Marsh, GBRMPA, Townsville. ISBN 0 642 17425 3 (Out of print)*

22. *Field Survey for Carbonate, Silica and Quartzose Sediment Deposits, October 1991, 1994, M. C. G. Mabin, GBRMPA, Townsville. ISBN 0 642 17397 4*

23. *Immediate Impact of the January 1991 Floods on the Coral Assemblages of the Keppel Islands, June 1991, c. 1993, R. van Woessik, GBRMPA, Townsville. ISBN 0 642 17433 4 (Out of print)*

24. *Broadscale Survey of Impacts of Cyclone Ivor on Coral Reefs, June 1991, c. 1993, T. J. Done, A. M. Ayling & R. van Woessik, GBRMPA, Townsville. ISBN 0 642 17386 9 (Out of print)*

25. *Green Island Information Review, October 1990, c. 1993, I. N. Baxter, GBRMPA, Townsville. ISBN 0 642 17394 X*

26. *The Effect of Sediment Run-off on the Coral Populations of Fringing Reefs at Cape Tribulation, December 1991*, c. 1993, A. M. Ayling & A. L. Ayling, GBRMPA, Townsville. ISBN 0 642 17402 4 (Out of print)
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31. *Aboriginal and Torres Strait Islander Interests in the Great Barrier Reef Marine Park*, 1993, A. Bergin, GBRMPA, Townsville. ISBN 0 642 17395 8
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35. *Protection for Profit : Economic and Financial Values of the Great Barrier Reef World Heritage Area and Other Protected Areas*, 1994, S. Driml, GBRMPA, Townsville. ISBN 0 642 17389 3
36. *Nitrogen and Phosphorus Budgets for the Central Great Barrier Reef Shelf*, 1995, M. Furnas, A. W. Mitchell & M. Skuza, GBRMPA, Townsville. ISBN 0 642 17415 6
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- Controlling Crown-of-thorns Starfish*, 1995, B. Lassig, GBRMPA/CRC Reef Research Centre, Townsville. ISBN 0 642 17421 0
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- Discover the Great Barrier Reef Marine Park*, 1992, comp. L. Murdoch, Bay Books, Sydney. ISBN 1 86378 090 4
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*Project Reef-Ed : Great Barrier Reef Educational Activities*, 1988, A. Byrnes et al., GBRMPA, Townsville. ISBN 0 642 12040 4

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*Turtle and Dugong Conservation Strategy for the Great Barrier Reef Marine Park*, 1994, ed. N. Ellis, GBRMPA, Townsville. ISBN 0 642 17419 9

*Whitsunday National and Marine Parks : Draft Management Plan, October 1993*, 1993, GBRMPA and QDEH, Townsville. ISBN 0 642 1718 0

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*Coralines : Magazine of the Great Barrier Reef Aquarium* (ISSN 1037-0684), vol. 1(1) -, 1991 -

### Education programs:

*Creature Feature, Years 3-7*, 1992, Great Barrier Reef Aquarium, Townsville.  
ISBN 0 642 12037 4

*Neighbours, Years 5-7*, 1992, Great Barrier Reef Aquarium, Townsville. ISBN 0 642 12007 2

*Reef Community, Years 11-12*, 1992, Great Barrier Reef Aquarium, Townsville.  
ISBN 0 642 12038 2

*Reef Diversity, Years 11-12*, 1992, Great Barrier Reef Aquarium, Townsville.  
ISBN 0 642 12045 5

*Reef Feasts, Years 9-12*, 1992, Great Barrier Reef Aquarium, Townsville. ISBN 0 642 12030 7

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*Trigger Fish Trail*, up to Year 3, 1991, Great Barrier Reef Aquarium, Townsville.

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*Facts of Life : Great Barrier Reef Aquarium*, 1994, Great Barrier Reef Aquarium.

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*The Living Reef : Great Barrier Reef Aquarium*, 1992, Great Barrier Reef Aquarium, Townsville. ISBN 0 642 17401 6

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*Experience the Aquarium After Dark*, 1994, Great Barrier Reef Aquarium, Townsville.  
*Welcome to the Great Barrier Reef Aquarium*, Great Barrier Reef Aquarium, Townsville.

### **Brochures (currently available)**

*The Challenge of Balance : Marine Management Expertise into the 21st Century*, c. 1992, GBRMPA, Townsville.

*Code of Anchoring in Reef Environments : C.A.R.E.*, 1992, Jaffa Publications, Sydney.

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### **Serial Publications**

*Annual Report* (ISSN 0155-8072), 1976-77 -

*Bulletin* (ISSN 0725-0886/0705-8764), currently available:

[36] Marine Park Zones at Cape Ferguson and Cape Cleveland, December 1993

[37] Marine Park Zones at Magnetic Island, December 1993

[38] Marine Park Zones in the Whitsunday Islands, December 1993

[40] Central Section Special Management Areas Great Barrier Reef Marine Park :  
Bait and Credlin Reefs, December 1993

[41] Special Management Area Central Section Great Barrier Reef Marine Park :  
Kelso Reef, December 1993

[43] Great Barrier Reef Region : Oil Spill Reporting Procedures for Members of the  
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[44] Special Management Area Central Section Great Barrier Reef Marine Park :  
Manta Ray Bay - Hook Island, July 1994

*Corporate Plan* (ISSN 1039-8538), 1992-1997 -

*Great Barrier Reef Reference File : Issues, Facts, Figures, Brief 1 -*, 1993 -

*Heritage and Environment* [CD-ROM] 1995 - , Informit, Royal Melbourne Institute of  
Technology, Melbourne.

*Ocean Rescue 2000 Sea Notes*, 1994 -

*Seagrass*

*Ballast water*

*Ocean Rescue 2000 Update* (ISSN 1320-0828), April 1993 -

*Reef Connections : a Newsletter for the Reef Based Tourist Industry*, no. 1 -, 1993 -

*REEF Current Awareness Bulletin Annual* (ISSN 0813-7897), 1983 -

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*Captain Cook*

*Coral Cays*

*Crown-of-thorns*

*Dugongs*

*Fringing Reefs*

*Larval Fishes*

*Reef Region Fisheries*

*Seabirds*

*Shells*

*The Annual Coral Spawning Event on the Great Barrier Reef*

*The Great Barrier Reef* (in Japanese also)

*The Soft Touch : Another View of Coral*

*Trochus Shells*

*Turtles*

Whales  
World Heritage Site  
Wrecks of the Reef

*Reef Research : Newsletter of the Research and Monitoring Section* (ISSN 1037-0692), vol. 1(1) -, 1991 -

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### **Cairns Section**

*Basis for Zoning : the Great Barrier Reef Marine Park Cairns Section and the Cairns Marine Park*, 1992, GBRMPA, Townsville. ISBN 0 642 12013 7

*Great Barrier Reef Marine Park : Cairns Section and Cairns Marine Park Zoning Information : Introductory Guide*, 1992, GBRMPA, Townsville. (BRA Q155, BRA Q156)

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*Commercial Fishing in the Cairns Section of the Great Barrier Reef Marine Park and the Cairns Marine Park*, c. 1992, GBRMPA, Townsville.

*Diving in the Cairns Section of the Great Barrier Reef Marine Park and the Cairns Marine Park*, c. 1992, GBRMPA, Townsville.

*Recreational Fishing in the Cairns Section of the Great Barrier Reef Marine Park and the Cairns Marine Park*, c. 1992, GBRMPA, Townsville.

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*Spearfishing in the Cairns Section of the Great Barrier Reef Marine Park and the Cairns Marine Park*, c. 1992, GBRMPA, Townsville.

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*Central Section Zoning Plan*, 1987, GBRMPA, Townsville. ISBN 0 642 52553 6

*Great Barrier Reef Marine Park : Central Section Zoning Information : Introduction*, 1989, GBRMPA, Townsville. (BRA Q152, BRA Q129)

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Townsville/Whitsunday : *Fishing*, c. 1987, GBRMPA, Townsville.

### **Mackay/Capricorn Section**

*Great Barrier Reef Marine Park : Mackay/Capricorn Section Zoning Information : Introduction*, 1988, GBRMPA, Townsville. (BRA Q145, BRA Q146, BRA Q147).

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*Zoning Information : Great Barrier Reef Marine Park : Mackay/Capricorn Section : Fishing*, c. 1988, GBRMPA, Townsville.

### **Maps: Great Barrier Reef Series**

*Far Northern Section Zoning Maps 1:250 000 1985*, GBRMPA, Townsville.

*Thursday Island* (BRA Q100)

*Ashmore Reef* (BRA Q101)

*Cockburn* (BRA Q102)

*Weymouth Bay* (BRA Q103)

*Tijou Reef* (BRA Q104)

*Princess Charlotte Bay* (BRA Q105)

*Lizard Island* (BRA Q106)

*Cairns Section and Cairns Marine Park Zoning Maps 1:250 000 1992*, GBRMPA, Townsville.

*Cooktown* (BRA Q155)

*Cairns* (BRA Q156)

*Central Section Zoning Information : Guide for Users 1:250 000 c. 1987*, GBRMPA, Townsville.

*Dunk Island* (BRA Q109)

*Hinchinbrook Island* (BRA Q110)

*Broadhurst Reef* (BRA Q111)

*Cleveland Bay* (BRA Q112)

*Hardy Reef* (BRA Q113)

*White Tip Reef* (BRA Q114)

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*Hydrographers Passage* (BRA Q116)

*Mackay/Capricorn Section and Queensland Mackay/Capricorn Marine Park : Guide for Users 1:250 000 1988*, GBRMPA, Townsville.

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*Hydrographers Passage* (BRA Q116a)

*The Hard Line* (BRA Q117)  
*Northumberland Islands* (BRA Q118)  
*Riptide Cay* (BRA Q119)  
*Shoalwater Bay* (BRA Q120)  
*Howard Patch* (BRA Q121)  
*Keppel Islands* (BRA Q122)  
*Capricornia* (BRA Q123)  
*Lady Elliott Island* (BRA Q124)

*Companion Map to Great Barrier Reef* 1:2 200 000 1993, GBRMPA, Townsville.  
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*Great Barrier Reef Region* 1:5 700 000 1992, GBRMPA, Townsville. (BRA Q187)

*The Narrows* 1:250 000 1988, GBRMPA, Townsville. (BRA Q149)

### **Posters (currently available)**

*Reef Walking at North West Island Reef* 1985, GBRMPA, Townsville.

86 *Coral Trout of the Great Barrier Reef* 1985, GBRMPA, Townsville.

*Reef Heritage Series - Dugongs*, 1984, GBRMPA/Queensland Department of Environment and Heritage, Brisbane.

### **Audiovisual Productions (currently available)**

*The Crown-of-Thorns Phenomenon* (video recording, 16 minutes) 1991, GBRMPA/Australian Institute of Marine Science, Townsville.

*The Crown of Thorns Story* (video recording, 25 minutes) 1987, GBRMPA, Townsville.

*A Day on the Great Barrier Reef* (video recording, 8 minutes) 1987, GBRMPA, Townsville.

*Deckhand : a Video Magazine for Queensland Commercial Fishermen* (video recording) Edition 1 -, 1989/90 -

*Encounters with the Reef* (video recording, 20 minutes) 1988, GBRMPA/QDEH, Townsville.

*Encounters with the Reef : Structure and Evolution of the Great Barrier Reef* (slide kit, 50 slides and audio cassette) 1987, GBRMPA/QDEH, Townsville.

... *Ours to Use Wisely* (video recording, 18 minutes) 1989, GBRMPA, Townsville.

*A Question of Balance* (video recording, 24 minutes) 1992, GBRMPA/Wilderness Society, Townsville.

*Reef Report* (video recording) 1 -, 1987 -

*A Walk in the Sea* (video recording, 46 minutes) 1991, Nomad Films Inter. Pty Ltd, Perth.

*Your Involvement in Managing the Great Barrier Reef in Cape York* (video recording) c. 1994, GBRMPA/QDEH, Townsville.

## **Freedom of Information**

### **Documents available for purchase through AGPS bookshops:**

*Nomination of the Great Barrier Reef by the Commonwealth of Australia for inclusion in the World Heritage List*, GBRMPA, 1981

*Great Barrier Reef Marine Park Act 1975 and Regulations*

### **Documents available free of charge for single copies from the Authority's Townsville office:**

Annual Report

Zoning Plan Introductory Guides

Information brochures, bulletins and leaflets

Environmental Management Charge information booklets

Selected maps of the Great Barrier Reef Marine Park

*REEF Current Awareness Bulletin*

*Reef Notes*

*Reef Research*

Media releases and communiques

Corporate Plan

Strategic Plan

### **Documents available for bulk-purchase from the Authority's Townsville office:**

Posters

Various information brochures, books and audiovisual productions

Research reports and workshop proceedings

Maps of the Great Barrier Reef Marine Park

Small quantities may be purchased through the Great Barrier Reef Aquarium Shop.

### **Facilities for access:**

The Townsville office holds most of the documents relating to the Authority, its Office and the Great Barrier Reef Consultative Committee. It is possible to arrange access to documents, available under provisions of the Freedom of Information Act, through either the Canberra or Townsville office (see addresses below), or at the State FOI Information Access Office. Staff are available to provide assistance in relation to any aspect of FOI requests.

Members of the public may make inquiries on FOI matters and inspect documents

to which access has been granted at either office. Business hours, Monday to Friday, are 8.30 a.m. - 4.50 p.m. Formal requests for access to documents must be directed to the office listed in the following section.

Information about facilities for access by disabled persons can be obtained by contacting the FOI Officer at the Townsville office.

The following facilities for access are maintained at the Townsville office:

- computer printer
- microfiche reader
- film and slide projectors
- video and audio tape recorders
- photocopy machine
- reading room.

### **FOI Procedures and Initial Contact Points:**

Inquiries may be made in writing, by telephone or in person at the official FOI access points listed below. It is also suggested that inquirers give a telephone number.

#### **Great Barrier Reef Marine Park Authority**

2-68 Flinders Street                      PO Box 1379  
TOWNSVILLE QLD 4810              TOWNSVILLE QLD 4810  
Telephone (077) 81 8811; Telex GBRMPA 47332; Fax (077) 72 6093  
OR

#### **Great Barrier Reef Marine Park Authority**

Acorn House, 37 Torrens Street      GPO Box 791  
BRADDON ACT 2601                      CANBERRA ACT 2601  
Telephone (06) 247 0211; Telex ARRIC 62552; Fax (06) 247 5761

If any difficulty arises in the identification of a document or in providing access in the form requested, an officer of the Authority will contact the applicant with a view to resolving the difficulty.

In consultation with applications, documents will be made available as follows:

- by mail to the address specified by the applicant;
- at the official FOI access point.

The authorised decision-makers under the Act for the Authority and the Consultative Committee, with official addresses for the lodging of requests, are:

The Executive Officer  
Great Barrier Reef Marine Park Authority  
PO Box 1379  
TOWNSVILLE QLD 4810

The Secretary  
Great Barrier Reef Consultative Committee  
PO Box 1379  
TOWNSVILLE QLD 4810

## APPENDIX D

# staff papers published or presented in 1994-95

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Benzaken, D. 1995, Information needs and issues for the long term planning and management of the Great Barrier Reef World Heritage Area, paper presented to Northern Australia Statistics Workshop, held at Darwin, 26 June 1995.

Berkelmans, R. and Oliver, J. 1994, 'Differences in sea temperature over small spatial scales : what do they mean to reef corals and to detecting global climate change?' [abstract], in *PACON '94 abstracts : the Sixth Pacific Congress on Marine Science and Technology, 4-8 July 1994*, ed. O. Bellwood, James Cook University of North Queensland, Townsville, p. 19.

Bleakley, C. and Muldoon, J. 1994, 'A representative system of marine protected areas for the East Asian Seas region', *Coastal Management in Tropical Asia*, 3, pp. 3-5.

Brodie, J. and Furnas, M. 1993, 'Long term monitoring programs for eutrophication and the design of a monitoring program for the Great Barrier Reef', in *Proceedings of the Seventh International Coral Reef Symposium, Guam, 22-27 June 1992, Volume 1*, ed. R.H. Richmond, University of Guam Press, Mangilao, pp. 77-84.

Brodie, J. 1994, Management of sewage discharges in the Great Barrier Reef Marine Park, paper presented to PACON '94 : the Sixth Pacific Congress on Marine Science and Technology, held at James Cook University of North Queensland, Townsville, Australia, 4-8 July 1994.

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- Brodie, J., Dight, I. and Gladstone, W. 1994, 'Metal concentrations in marine sediments and biota from the Torres Strait : preliminary results from the Torres Strait Baseline Study' [abstract], in *PACON '94 abstracts : the Sixth Pacific Congress on Marine Science and Technology, 4-8 July 1994*, ed. O. Bellwood, James Cook University of North Queensland, Townsville, p. 25.
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- Brodie, J., Steven, A. and McGill, R. 1995, 'Spatial and temporal trends in chlorophyll in waters of the Great Barrier Reef Marine Park', in *Recent advances in marine science and technology '94*, ed. O. Bellwood, H. Choat and N. Saxena, PACON International and James Cook University of North Queensland, Townsville, pp. 77-85.
- Brodie, J. 1995, 'The problems of nutrients and eutrophication in the Australian marine environment', in *The state of the marine environment report for Australia, technical annex 2 : pollution*, eds L. Zann and D. Sutton, Great Barrier Reef Marine Park Authority for the Dept of the Environment, Sport and Territories, Ocean Rescue 2000 Program, Townsville, pp. 1-29.
- Brodie, J. (in press, 1995), 'Nutrients and the Great Barrier Reef', in *Australian state of the environment report*, Dept of the Environment, Sport and Territories, Canberra.
- Brodie, J. and Hillman, S. 1995, Coastal runoff and the Great Barrier Reef Region : draft technical working document for EAS-35, paper presented to Integrated management of watersheds in relation to the management and conservation of coastal and marine areas in the East Asian Seas region, Phase 1 - Assessment of the Effects of Sediments, Nutrients and Pollutant Discharges on Coastal Wetlands, Seagrass Areas and Coral Reefs : the 1st Workshop of the UNEP EAS-35 Project, April 1995, sponsored by United Nations Environment Programme.
- Cook, C. 1994, 'Protecting cultural and heritage values in the Great Barrier Reef Marine Park : policy background, current assessment guidelines and future directions', in *Proceedings of Coast to Coast '94 : a national coastal management conference 29 June - 2 July 1994, Hobart, Tasmania, Australia, convened by the Tasmanian Department of Environment and Land Management*, eds L. Kriwoken and S. McAdam, Dept of Environment and Land Management, Hobart, pp. 34-42.
- Craik, W. 1994, 'Seabird cleaning and rehabilitation in the Great Barrier Reef Marine Park', in *Workshop on Oiled Seabird Cleaning and Rehabilitation : proceedings of a workshop held in Townsville, Australia, 26 February 1991*, eds J. Lash and S. Raaymakers, Great Barrier Reef Marine Park Authority, Townsville, (Workshop series, no. 15), pp. 17-23.
- Craik, W. 1994, The Great Barrier Reef World Heritage Area Strategic Plan : implications for the Ports Corporation of Queensland, paper presented to

Developing Directions : Ports Corporation of Queensland Annual Conference, Brisbane, Australia, 3-4 November 1994.

Craik, W. 1994, Overview marine park management, and Marine resource management: lessons from previous experience, papers presented to Hinchinbrook Region Marine Resources Advisory Committee Induction Seminar, 15 October 1994.

Craik, W. 1994, Achieving ecological sustainability in the marine environment : resolving resource conflicts, paper presented to Protecting the Future : ESD in Action : National Conference on Successful Strategies for Ecologically Sustainable Development, Wollongong, New South Wales, Australia, 5-7 December 1994.

Craik, W. 1994, Large multiple use managed areas : the solution for integrated marine management, paper presented to Ocean Outlook Congress: Exclusive Economic Zone Marine Science and Industry Workshop, Canberra, 16-17 November 1994.

Craik, W. 1994, 'Achieving ecological sustainability in the marine environment : resolving resource conflicts', *Significant Speeches*, Summer 94/95, pp. 37-44.

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Copies of these papers are available from the Librarian, Great Barrier Reef Marine Park Authority.

During the year, many brief or newspaper articles were published on a range of topics, concerning the Ocean Rescue 2000 Education Program. For more information about these articles contact the Coordinator, Ocean Rescue 2000 Program, Great Barrier Reef Marine Park Authority, Townsville.

# APPENDIX E

## members of advisory committees

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### Crown-of-thorns Starfish Research Committee (COTSREC)

Professor G M Mitchell (Chairperson) *CSL Ltd*

Dr P J Moran *Acting Director, Australian Institute of Marine Science*

Dr T Ayukai *Australian Institute of Marine Science*

Professor G Kelleher *Chairman, Great Barrier Reef Marine Park Authority*  
[to Dec. 1994]

Dr Ian McPhail *Chairman, Great Barrier Reef Marine Park Authority* [from Jan. 1995]

96 Dr B R Lassig (Program Coordinator) *Great Barrier Reef Marine Park Authority*

Professor R M Golding *Vice-Chancellor, James Cook University of North Queensland*

Mr R Pearson *Queensland Department of Primary Industries*

Dr K Sainsbury *Commonwealth Scientific and Industrial Research Organisation*

Professor C Crossland *Director, CRC Reef Research Centre*

Professor D Hopley *James Cook University of North Queensland* [from Nov. 1994]

### Advisory Committee on Research into the Effects of Fishing in the Great Barrier Reef Region

Dr W Craik (Chairperson) *Great Barrier Reef Marine Park Authority*

Dr B Pollock *Queensland Department of Primary Industries*

Dr J Glaister *Queensland Department of Primary Industries*

Mr L Gwynne *Queensland Fish Management Authority*

Mr T Loveday *Queensland Commercial Fishermen's Organisation*

Dr B Hill *Commonwealth Scientific and Industrial Research Organisation*

Mr D Perkins *Queensland Department of Environment and Heritage*

Dr P J Moran *Australian Institute of Marine Science*

Mr J Doohan *QSRFC Inc. (Sunfish)*

Mr J Robertson (Acting Program Coordinator) *Great Barrier Reef Marine Park Authority*

Professor C Crossland *CRC Reef Research Centre*

## **Torres Strait Baseline Study Advisory Committee**

Mr S Woodley (Chairperson) *Great Barrier Reef Marine Park Authority*  
Dr W Gladstone (Program Coordinator) *Great Barrier Reef Marine Park Authority*  
Mr J Brodie *Great Barrier Reef Marine Park Authority*  
Mr G Rayment *Queensland Department of Primary Industries*  
Dr I Poiner *Commonwealth Scientific and Industrial Research Organisation*  
Dr D Staples *Bureau of Resource Sciences*  
Mr G Williams *Bureau of Resource Sciences*  
Mr T Waia *Island Coordinating Council/Saibai Island Community Council*  
Mr N Currey *Porgera Joint Venture*  
Mr I Wood *Ok Tedi Mining*  
Dr M Sullivan *Huon Brook Environment and Heritage*  
Mr R Pearson *Queensland Department of Primary Industries*  
Ms S Spring, *Department of the Environment, Sport and Territories*  
Mr R Szymczak, *Australian Nuclear Science and Technology Organisation*  
Prof D Waite *University of New South Wales*  
Dr R Coles *Australian Fisheries Management Authority*  
Mr M Bishop *Australian Fisheries Management Authority*  
Dr E Wolanski *Australian Institute of Marine Science*  
Dr D Alongi *Australian Institute of Marine Science*  
Dr D Connell *Queensland Government Chemical Laboratory*  
Mrs L Kesu *Papua New Guinea Department of Environment and Conservation*  
Mrs E Liew *Papua New Guinea Department of Mining and Petroleum*

## **Monitoring Advisory Committee**

Dr W Craik (Chairperson) *Great Barrier Reef Marine Park Authority*  
Dr J Oliver (Program Coordinator) *Great Barrier Reef Marine Park Authority*  
Dr P J Moran *Australian Institute of Marine Science*  
Mr L Gwynne *Queensland Fish Management Authority*  
Mr G Rayment *Queensland Department of Primary Industries*  
Dr B Freeland *Queensland Department of Environment and Heritage*  
Professor J H Choat *James Cook University of North Queensland*  
Mr M Doohan *Queensland Commercial Fishermen's Organisation*  
Mr D Griffith *QSRFC Inc. (Sunfish)*  
Mr E Hegerl *Australian Littoral Society*  
Mr Graeme Lee *Queensland Department of Tourism, Sport and Racing*

Mr I Ballantyne *Canegrowers*

Mr K Nielson *Association of Marine Park Tourism Operators*

## **Water Quality Technical Advisory Panel**

Dr D W Kinsey (Chairperson)

Dr P Bell *The University of Queensland*

Mr J Brodie (Program Coordinator) *Great Barrier Reef Marine Park Authority*

Dr D W Connell *Queensland Government Chemical Laboratory*

Dr M Furnas *Australian Institute of Marine Science*

Professor J Coll *The University of Central Queensland*

Dr T Done *Australian Institute of Marine Science*

Professor D Hopley *James Cook University of North Queensland*

Dr T Hughes *James Cook University of North Queensland*

Associate Professor A W D Larkum *The University of Sydney*

Mr A Moss *Queensland Department of Environment and Heritage*

Mr G Rayment *Queensland Department of Primary Industries*

Dr D Klumpp *Australian Institute of Marine Science*

Dr A Johnson *Commonwealth Scientific and Industrial Research Organisation*

Associate Professor D Yellowlees *James Cook University of North Queensland*

Mr A Steven *Great Barrier Reef Marine Park Authority*

## **SOMER Advisory Committee**

Dr D W Kinsey (Chair)

Associate Professor P Adam *The University of New South Wales*

Dr J Baker *Australian Institute of Marine Science*

Dr E Bird *The University of Melbourne*

Professor B Boer *The University of Sydney*

Dr D Connell *Queensland Government Chemical Laboratory*

Ms P Eiser *Australian Committee, IUCN*

Dr L Hammond formerly *Victorian Institute of Marine Sciences*

Dr T Hundloe *Industry Commission*

Professor A McComb *Murdoch University*

Professor J Middleton *The University of New South Wales*

Dr R Reichelt *Bureau of Resource Sciences*

Dr G Ross *Australian Nature Conservation Agency*

Professor G Kelleher *Great Barrier Reef Marine Park Authority*

Observers from the Department of the Environment, Sport and Territories Marine and Coastal Section and the Commonwealth Environment Protection Agency attend meetings also.

## **Great Barrier Reef Aquarium Advisory Board**

Mr J Lyons (Chairperson) *John A Lyons and Co. Chartered Accountants*

Mrs L Plante *Commercial Studies Centre*

Councillor T Mooney *Mayor of Townsville*

Mr G Jenkinson *TNT-Ansett*

Professor R Jones *James Cook University of North Queensland*

Mr R Power *Townsville Enterprise*

Dr J Baker *Australian Institute of Marine Science*

Professor M Reynolds *Townsville Port Authority*

Mr B Condon *Pure Pleasure Cruises*

Dr W Craik *Great Barrier Reef Marine Park Authority*

## APPENDIX F

# representation on external committees

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*Advisory Committee on Research into the Effects of Fishing on the Great Barrier Reef - Wendy Craik*

*Australian Committee for IUCN (The World Conservation Union), Marine Subcommittee - Wendy Craik (Chair)*

*Australian Institute of Maritime Law Advisory Committee - Wendy Craik*

*Cairns Port Technical Advisory Committee - Wendy Craik (Chair)/Prue Keen (Chair)*

*Commonwealth Inter-departmental Committee (IDC) (Cape York Peninsula Land Use Strategy) - Joan Phillips*

*Downstream Effects of Agricultural Practices Committee - Jon Brodie*

*Great Barrier Reef Management Coordinating Committee - Wendy Craik (Chair)/Prue Keen (Chair)*

*INTROMARC Management Committee* - Wendy Craik, Richard Kenchington, Simon Woodley

*JCU/AIMS/GBRMPA Liaison Committee* - Wendy Craik

*Johnstone River Integrated Catchment Technical Advisory Committee* - Jon Brodie

*Marine Study for Torres Strait Environment and Resource Strategy (MaSTERS)* - Jim Muldoon

*Monitoring Advisory Committee (AIMS, GBRMPA)* - Wendy Craik (Chair)/ Steve Hillman

*National Plan Advisory Committee* - John Baldwin

*Ocean Rescue 2000 Marine Protected Area Technical Advisory Committee* - Jim Muldoon

*Queensland Aquaculture Development Advisory Committee* - Jon Brodie

*Queensland Catchment Management Coordinating Committee* - Wendy Craik

*Queensland Catchment Management Coordinating Committee: Education and Awareness Subcommittee* - Wendy Craik (Chair)

*Queensland Fisheries Policy Council* - Wendy Craik

*Queensland National Plan Oil Pollution Committee* - Jamie Storrie, John Baldwin

*Raine Island Scientific Advisory Committee* - Simon Woodley

*Reefmac* - Wendy Craik

*Scientific Advisory Committee to the Minister for Environment and Heritage* - Brian Lassig

*Sir George Fisher Centre Advisory Committee* - Simon Woodley

*Torres Strait Baseline Study Advisory Committee* - Simon Woodley (Chair), William Gladstone, Jon Brodie

*Torres Strait Environment Management Committee* - Sylvia Spring

*Torres Strait Fisheries Scientific Advisory Committee* - Simon Woodley

*Torres Strait Joint Advisory Committee* - various staff members by invitation as part of DEST delegation

*Townsville Enterprise - Tourism Advisory Committee* - Ian Burston

*Townsville Port Technical Advisory Committee* - Mike Vanderzee/Steve Hillman

*Tropical Marine Ecosystem Project (TROMES) Technical Advisory Committee* - Jim Muldoon, Richard Kenchington, Simon Woodley

*User Advisory Group (for CRC Reef Research Centre)* - Simon Woodley/Mike Bugler

*Water Quality Technical Advisory Panel* - Jon Brodie

# APPENDIX G

## resources

### Staffing overview

Table 6. Staff of the Great Barrier Reef Marine Park Authority at 30 June 1995

Classification	Permanent			Temporary				All				Total	Total FTE		
	Male F/T	Female P/T	Total F/T P/T	Male F/T	Female P/T	Total F/T P/T	Male F/T	Female P/T	Total F/T P/T						
SES 1	1	2	3					1	2	3	3	3			
SES 2		1	1						1	1	1	1			
ASO 1	5	9	14	2	4	10	16	5	2	13	10	30	20.7		
ASO 2		9	1	10		1	3	4		10	4	14	12.9		
ASO 3	7	14	1	22		2	7	2	7	16	1	24	23.5		
ASO 4	2	3	5		1	1	2	2	4	6		6	6		
ASO 5	5	4	9	2	2	4	7	4	6	10		13	13		
ASO 6	13	3	16	1		1	14	3		17		17	17		
SOC	13	1	1	15				13	1	1	15	14.5	14.5		
SOB	5	1	6					5	1	6		6	6		
GSO	7	1	8	3	1	1	5	10	1	2		13	12.5		
ITO 1	1		1					1		1		1	1		
ITO 2		1	1	1				1	1	1		2	2		
SITOB	1		1					1		1		1	1		
PO 1	1		1			1	1	1		1		2	2		
PO 2		1	1	1		1	2	1		1	1	3	2.4		
SPOC		1	1	2						1	1	2	1.5		
SPOB	1		1					1		1		1	1		
Public Affairs Officer	1		1					1		1		1	1		
Stores Supervisor	1		1					1		1		1	1		
TO 1		1	1						1	1		1	1		
TO 2	1	1	2					1	1	2		2	2		
TO 3	1		1					1		1		1	1		
TO 4	1		1					1		1		1	1		
<b>TOTAL</b>	<b>67</b>	<b>53</b>	<b>4</b>	<b>124</b>	<b>8</b>	<b>3</b>	<b>12</b>	<b>14</b>	<b>37</b>	<b>75</b>	<b>3</b>	<b>65</b>	<b>18</b>	<b>161</b>	<b>148</b>

- ASO Administrative Service Officer
- GSO General Service Officer
- ITO Information Technology Officer
- PO Professional Officer
- SES Senior Executive Service
- SITO Senior Information Technology Officer
- SO Senior Officer
- SPO Senior Professional Officer
- TO Technical Officer

## Performance Pay

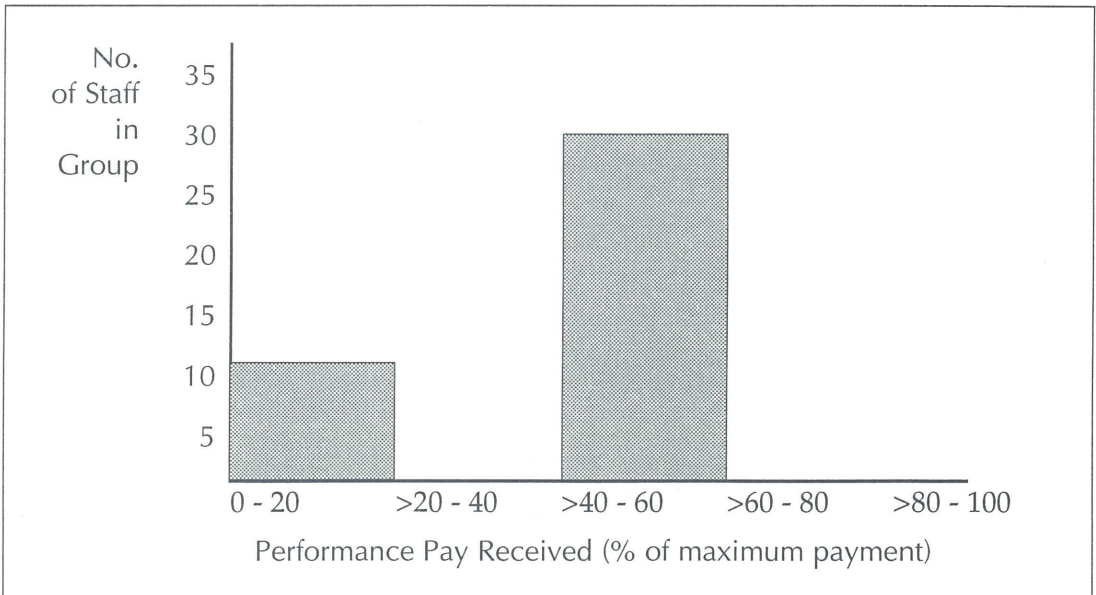
A report of payments made under the Performance Pay arrangements during 1994-95 is provided in accordance with APS guidelines.

There were 39 staff eligible for Performance Pay during 1994-95, and a total of \$57 502 was paid.

**Table 7.** Staff by Classification Group

	SOB	SOC
No. of Staff	8	19
Performance Pay Paid	\$28 000	\$27 419

Note: Performance Pay for SES not reported separately due to small group size.



**Figure 8.** Distribution of payment

## Staff training

During 1994-95, \$128 264 was spent on course fees and travel costs in providing training and development activities to Authority staff.

## Industrial Democracy

The Authority recognises the vast contribution made by its dedicated staff to all areas of its operations, by providing a participative work environment which enables all staff to contribute to program development and decision-making processes, within the framework of the decision-making responsibilities and powers of the Authority.

The involvement and commitment of staff to decision-making processes:

- allows staff to fully apply their skills and experience, and
- provides all staff with the opportunity to influence decisions which affect the quality of their working lives,

which will enhance organisational productivity.

Significant Industrial Democracy outcomes achieved during the year were:

- the initial meeting of the Authority/Community and Public Sector Union Joint Consultative Committee
- agreement to Terms of Reference for the operations of future Joint Consultative Committee meetings
- development of the Great Barrier Reef Marine Park Authority Agency Bargaining Agreement 1994-95
- consultations with the Public Sector Union for the adoption and implementation of the Authority's Industrial Democracy Plan in 1995-96
- staff contributions to the development of the Authority's Corporate Plan for the period 1995 to 2000
- widespread staff consultation in reviews of the Authority's organisational structure
- continuation of the involvement of Townsville-based staff in regular all-staff meetings.

## Occupational Health and Safety

The Authority continues to place a very high priority on providing all staff with a safe and healthy work environment at all times.

Occupational Health and Safety (OH&S) activities during the year focused on the development of safe work practices appropriate to the Authority's operations and on raising awareness amongst all staff of OH&S issues and the importance of adherence to safe work practices.

During 1994-95 Comcare initiated a Proactive Workplace Investigation of OH&S practices at the Authority's Townsville headquarters. The objective of the investigation was to assess the level of compliance with the *Occupational Health and Safety (Commonwealth Employment) Act 1991*. Information was collected by the investigator by on-site discussions with a cross-section of staff, workplace walk through, confidential employee and supervisor survey and examination of relevant documentation in conjunction with a standard Comcare Audit program.

The Investigation Report considered that the Authority's workplace environment was good and that accident reporting and investigation processes were average. A number of recommendations were made in the Investigation Report, which when implemented, will improve the Authority's OH&S program.

The Authority has undertaken a number of steps already to address issues identified in the Investigation Report including:

- consultation and agreement with the Community and Public Sector Union for the adoption and implementation of the Authority's OH&S policy and agreement, and
- increased awareness amongst staff of OH&S through regular presentations on OH&S issues at staff meetings.

Establishment of an OH&S Committee in 1995-96 will follow the conduct of an election for OH&S Representatives by the Community and Public Sector Union.

Staff participated in a number of OH&S training activities during the year including:

- Fire Safety and Emergency Procedures
- First Aid
- Emergency Resuscitation
- SCUBA Safety

During the year the Authority continued to provide its staff with an Employee Assistance Program provided by Employee Assistance Service North Queensland. This important OH&S initiative provides staff and their families with access to counselling and advice on a wide range of issues, both work-related and non work-related, as a contribution to improving the quality of working life for all staff.

## Equal Employment Opportunity

The Authority's Chairperson and Executive Officer are the senior executives responsible for Equal Employment Opportunity (EEO) and the Human Resources Manager undertakes the role of EEO Coordinator.

Major EEO outcomes achieved during the year were:

- implementation of the Authority's EEO Program for 1994 to 1997 following approval of the program by the Public Service Commissioner on 12 August 1994
- ensuring access by EEO group members to information on Agency Bargaining
- the inclusion of Carers Leave in the Great Barrier Reef Marine Park Authority Agency Bargaining Agreement 1994-95
- improved Harassment Contact Officer skills through provision of training
- Staff Selection Practices training emphasising EEO in merit-based selection processes
- EEO group participation in Workplace Bargaining information sessions
- continuing the promotion of a high level of access to, and provision of, management training for women

- increasing the involvement of Aboriginal and Torres Strait Islander people in the management of the Great Barrier Reef Marine Park.

During 1994-95 the Authority continued to pursue its objective of having target group representation in its staffing reflect the representation of those groups in the population of the Great Barrier Reef Region of the Queensland coast.

Representation of EEO Target Groups within the Authority's staffing is generally comparable to that of the APS as a whole and exceeds APS averages in the representation of:

- women in total staff numbers,
- women in Senior Executive Service positions, and
- Aboriginal and Torres Strait Islander people.

At 30 June 1995, three of the Authority's four permanent SES positions were filled by women. This gender mix at the SES senior management level is in direct contrast to APS wide figures where women occupy less than 25% of SES positions.

Representation of Aboriginal and Torres Strait Islander peoples in the Authority's staff was maintained at 4% at 30 June 1995. Increasing Aboriginal and Torres Strait Islander community involvement in the management of the Great Barrier Reef Marine Park through the Marine Park Ranger Training Program continued during 1994-95. During 1994-95 the Great Barrier Reef Aquarium continued to employ Aboriginal and Torres Strait Islander Interpreters who provide information and education services to Aquarium visitors on indigenous culture and traditional use of marine resources.

EEO data for the Authority's staff is provided in tables 8 to 11.

**Table 8.** Representation of EEO Groups within Occupational Groups as at 30 June 1995

OCCUPATIONAL GROUP	TOTAL NO OF STAFF	WOMEN	NESB1	NESB2	ESB	ATSI	PWD	STAFF WITH EEO DATA
SES	5	3 60%	0 0%	0 0%	5 100%	0 0%	1 20%	5
ASO & related	129	70 54%	9 7%	6 5%	111 88%	6 5%	5 4%	126
GSO & related	14	2 14%	0 0%	0 0%	14 100%	0 0%	1 7%	1
Professional	7	4 57%	0 0%	1 14%	6 86%	0 0%	0 0%	7
Technical	6	2 33%	0 0%	1 17%	6 100%	1 17%	0 0%	6
TOTALS	161	81 50%	9 6%	7 4%	142 90%	7 4%	7 4%	158

Note: Percentage for women based on total staff; percentages for other groups based on staff with available EEO data.

SOURCE: Data retrieved from GBRMPA EEO database.

**Table 9.** Representation of EEO Groups within Salary Levels as at 30 June 1995

SALARY	TOTAL NO OF STAFF	WOMEN	NESB1	NESB2	ESB	ATSI	PWD	STAFF WITH EEO DATA
Below \$24223 (includes ASO 1)	37	24 65%	3 8%	0 0%	34 92%	4 11%	1 3%	37
\$24224 to \$27506 (includes ASO 2)	18	13 71%	1 6%	1 6%	16 89%	0 0%	1 6%	18
\$27507 to \$30492 (includes ASO 3)	27	18 67%	0 0%	3 11%	24 89%	0 0%	1 4%	27
\$30493 to \$34189 (includes ASO 4)	8	5 63%	1 13%	0 0%	7 88%	1 13%	1 13%	8
\$34190 to \$37241 (includes ASO 5)	13	6 46%	0 0%	3 25%	9 75%	0 0%	0 0%	12
\$37242 to \$43573 (includes ASO 6)	25	7 28%	4 16%	0 0%	20 83%	2 8%	0 0%	24
\$43574 to \$48770 (includes SOC)	19	4 21%	0 0%	0 0%	18 100%	0 0%	2 11%	18
\$48771 to \$57184 (includes SOB)	9	1 11%	0 0%	0 0%	9 100%	0 0%	0 0%	9
Above \$57185 (includes SES)	5	3 60%	0 0%	0 0%	5 100%	0 0%	1 20%	5
TOTALS	161	81 50%	9 6%	7 4%	142 90%	7 4%	7 4%	158

**Table 10.** Representation of EEO Groups within the Australian Public Service

	TOTAL NO OF STAFF	WOMEN	NESB1	NESB2	ESB	ATSI	PWD
TOTALS	132 496	62 434 47%	6 725 5%	12 781 10%	82 871 63%	2 670 2%	6 417 5%

SOURCE: APS Statistical Bulletin 1994

**Table 11.** Representation of EEO Groups within the Population of the Great Barrier Reef Region

	TOTAL POPULATION	WOMEN	NESB1	NESB2	ESB	ATSI	PWD
TOTALS	861 978	423 330 49%	43 774 5%	118 415 14%	699 789 81%	41 373 5%	84 700 10%

SOURCE: Australian Bureau of Statistics from 1986 and 1991 Census data

- NESB1 Non-English Speaking Background, first generation
- NESB2 Non-English Speaking Background, second generation.
- ESB English Speaking Background
- ATSI Aboriginal or Torres Strait Islander
- PWD People with a Disability

## Consultancy services

The Authority uses Commonwealth Procurement Guideline 13, Contracting for Consultancy Services as the basis for its purchasing policy. External consultants are engaged to gain access to specialist technical, professional, research and management expertise in relation to specific tasks, where circumstances require that Authority resources be augmented or that work be carried out independently. It is the Authority's policy to carry out the bulk of its required research using external research organisations rather than develop its own research capability. Research consultants are chosen with the assistance of a formal Consultants' Register, the existence of which is advertised every two years.

Details of consultants engaged in 1994-95 are available from the Authority. The total number of consultancies under engagement was 141 at a total cost of \$2 210 000.

## Summary of resources

The following table reconciles appropriations and program elements for the Authority.

**Table 12.** Summary table of resources

RECONCILIATION OF PROGRAMS AND APPROPRIATION ELEMENTS FOR 1994-95 \$('000)						
Program	Approp Bills Nos 1 & 3	+ Approp Bills + Nos 2 & 4	Special Approps	= Total Approps	- Adjustments (1)	= Program Outlays
1.	9 600	0	1 560	11 160	1 560	9 600
2.	231	0	0	231	0	231
3.	0	3 719	0	3 719	0	3 719
<b>TOTAL</b>	<b>9 831</b>	<b>3 719</b>	<b>1 560</b>	<b>15 110</b>	<b>1 560</b>	<b>13 550</b>

Notes:

Program 1. Section Operations

Program 2. Great Barrier Reef Aquarium

Program 3. Day-to-day Management

(1) Revenue collected through the Environmental Management Charge is regarded as an adjustment to derive outlays.

# APPENDIX H

## advertising

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Agency/organisation	Nature of advertising	Amount
Neville Jeffress Advertising	Classified advertising e.g. tender notices, public notices, augmentative research grants notice	\$14 045.82
Neville Jeffress Advertising	Job vacancies	\$39 840.83
Computer Power Pty Ltd	Job vacancies (for advertising placed through Neville Jeffress)	\$15 378.87

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Neville Jeffress is an agency for non-campaign print advertising.

appendixes

# APPENDIX I

## abbreviations

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ACIAR	Australian Centre for International Agricultural Research
AIDAB	see AusAID (name changed on 29/3/95)
AIMS	Australian Institute of Marine Science
AMSAT	Australian Marine Science and Technology Ltd
APS	Australian Public Service
ASEAN	Association of South-East Asian Nations
AusAID	Australian Agency for International Development
CEPANCRM	Contract Employment Program for Aboriginals in Natural and Cultural Resource Management
CNPPA	Commission on National Parks and Protected Areas
COBSEA	Coordinating Body on the Seas of East Asia
COTSWATCH	reporting scheme for crown-of-thorns starfish sightings

CRC Reef Research Centre	Cooperative Research Centre for Ecologically Sustainable Development of the Great Barrier Reef
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DEST	Department of the Environment, Sport and Territories
DDM	Day-to-day Management
EAS	East Asian Seas
EEO	Equal Employment Opportunity
EIS	Environmental Impact Statement
EMC	Environmental Management Charge
ENCORE	Enrichment of Nutrients on a Coral Reef Experiment
FOI	Freedom of Information
FTE	full-time equivalent
GBRMP	Great Barrier Reef Marine Park
GBRMPA	Great Barrier Reef Marine Park Authority
GIS	Geographic Information System
IAS	Impact Assessment Statement
IMO	International Maritime Organization
IRIS	Island and Reef Information System
INTROMARC	International Tropical Marine Resource Centre
IUCN	The World Conservation Union
JCU	James Cook University of North Queensland
MARPOL	Convention for the Prevention of Pollution from Ships
OUCH	Order of Underwater Coral Heroes
OH&S	Occupational Health and Safety
QDEH	Queensland Department of Environment and Heritage
RCU/EAS	Regional Coordinating Unit for the East Asian Seas
REEFPLAN	contingency plan for oil spill response in the Great Barrier Reef
RMRAC	Regional Marine Resources Advisory Committee
SES	Senior Executive Service
SOMER	State of the Marine Environment Report
TROMES	Tropical Marine Ecosystem
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organisation

# APPENDIX J

## compliance index

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This annual report has been prepared using the *Guidelines for the Content, Preparation and Presentation of Annual Reports by Statutory Authorities* (Senate Hansard, 11 November 1982) and the *Requirements for Departmental Annual Reports* approved by the Joint Committee of Public Accounts under subsection 25(7) of the *Public Service Act 1922* on 17 March 1994 which were updated in March 1995.

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appendixes

Requirement	Location
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Aids to Access	
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Alphabetical Index	140
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Abbreviations	App. I
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Enabling Legislation	3, App. A
Objectives	3
Corporate Structure	6,7
Summary of Significant Changes	8
Social Justice and Equity Overview	11
Internal and External Scrutiny Overview	12
Program Performance Reporting	
Activities	15-69
Financial and Staffing Resources	14, App. G
Program/Appropriation Reconciliation	App. G
Human Resources	
Staffing Overview	App. G
Performance Pay	App. G
Staff Training	App. G
Equal Employment Opportunity	App. G

Industrial Democracy	App. G
Occupational Health and Safety	App. G
Other Resources	
Consultancy Services	App. G
Advertising and Market Research	App. H
Financial Statements	App. L
External Scrutiny	
Independent Audit Report	App. M
Inquiries by Parliamentary Committees	nil
Comments by the Ombudsman	nil
Decisions of Courts and Administrative Tribunals	13, 37
Freedom of Information	37, App. C

## APPENDIX K

# contact officer for further information

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For further information about the Authority contact:

Senior Director  
Education and Aquarium  
Great Barrier Reef Marine Park Authority  
PO Box 1379  
TOWNSVILLE QLD 4810  
Telephone: (077) 81 8811  
Fax: (077) 72 6093

# APPENDIX L

## financial statements

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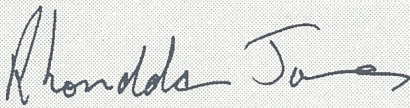
### GREAT BARRIER REEF MARINE PARK AUTHORITY

Financial Statements for the Year Ended 30 June 1995

In our opinion, the accompanying Statements have been prepared in accordance with the 'Guidelines for Financial Statements of Commonwealth Authorities' approved by the Minister for Finance, applicable accounting concepts and standards and show fairly

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- appendixes
- (a) the operating result of the Authority for the financial year ended 30 June 1995,
  - (b) the financial position of the Authority as at 30 June 1995,
  - (c) the Authority's cash flows during the financial year ended 30 June 1995, and
  - (d) other matters required to be disclosed by the Guidelines.

Signed in accordance with a resolution of the Authority.



RHONDDA JONES

Member

27/9/95



IAN McPHAIL

Chairperson

27/9/95

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 OPERATING STATEMENT FOR THE YEAR ENDED  
 30 June 1995

	Notes	1995 \$	1994 \$
<b>NET COST OF SERVICES</b>			
<b>Operating expenses</b>			
Research and Monitoring		3,681,322	4,128,098
Planning and Management		2,643,326	1,903,872
Education/Information		1,979,643	1,652,603
Great Barrier Reef Aquarium	4(c)	2,026,124	1,758,079
Environmental Impact Management		2,226,680	1,649,382
External Services		1,335,542	899,761
Corporate Management and Services	5	2,311,772	2,055,746
Unfunded charges	4(d), 6	703,775	882,033
Superannuation contributions	1(i)	614,352	580,414
Payments to Queensland for day-to-day management	2	<u>8,118,903</u>	<u>6,797,000</u>
<b>Total operating expenses</b>	<b>7, 8</b>	<b><u>25,641,439</u></b>	<b><u>22,306,988</u></b>
<b>Operating revenues from independent sources</b>			
Payments from Queensland for day-to-day management	2(a),(c)	3,480,699	3,058,000
Great Barrier Reef Aquarium	4(a)	1,781,747	1,466,965
Miscellaneous Revenue	3(c)	<u>3,236,542</u>	<u>2,572,155</u>
<b>Total operating revenues from independent sources</b>		<b><u>8,498,988</u></b>	<b><u>7,097,120</u></b>
<b>Net cost of services</b>		<b><u>17,142,451</u></b>	<b><u>15,209,868</u></b>
<b>REVENUES FROM GOVERNMENT</b>			
<b>Revenues from government (before abnormal items)</b>			
Parliamentary appropriations from the Commonwealth	3(a)	15,144,307	14,885,297
Liabilities assumed by government	1(i)	<u>614,352</u>	<u>580,414</u>
<b>Total revenues from government (before abnormal items)</b>		<b><u>15,758,659</u></b>	<b><u>15,465,711</u></b>
<b>Abnormal items</b>			
Repayment of Aquarium Advance not required	3(b)	<u>231,433</u>	-
<b>Total revenues from government</b>		<b><u>15,990,092</u></b>	<b><u>15,465,711</u></b>
<b>Deficit of net cost of services over revenues from government</b>		<b><u>(1,152,359)</u></b>	<b><u>255,843</u></b>
<b>Accumulated deficits</b>			
at beginning of reporting period		<u>(2,141,362)</u>	<u>(2,397,205)</u>
<b>Accumulated deficits at end of reporting period</b>		<b><u>(3,293,721)</u></b>	<b><u>(2,141,362)</u></b>

The accompanying notes form an integral part of these financial statements.

GREAT BARRIER REEF MARINE PARK AUTHORITY  
STATEMENT OF FINANCIAL POSITION  
AS AT 30 June 1995

	Notes	1995 \$	1994 \$
<b>CURRENT ASSETS</b>			
Cash	9	2,524,679	3,532,303
Receivables	10	544,171	440,768
Inventories	1(f)	81,608	91,976
Other		<u>39,311</u>	<u>51,817</u>
<b>Total current assets</b>		<b><u>3,189,769</u></b>	<b><u>4,116,864</u></b>
<b>NON-CURRENT ASSETS</b>			
Property, plant and equipment	13	<u>7,593,645</u>	<u>7,459,057</u>
<b>Total non-current assets</b>		<b><u>7,593,645</u></b>	<b><u>7,459,057</u></b>
<b>Total assets</b>		<b><u>10,783,414</u></b>	<b><u>11,575,921</u></b>
<b>CURRENT LIABILITIES</b>			
Creditors	12(a)	1,199,194	924,260
Provisions	11	798,671	872,650
Other	12(a)	<u>564,544</u>	<u>301,537</u>
<b>Total current liabilities</b>		<b><u>2,562,409</u></b>	<b><u>2,098,447</u></b>
<b>NON-CURRENT LIABILITIES</b>			
Provisions	11	788,769	786,861
Other	12(b)	<u>1,245,926</u>	<u>1,351,944</u>
<b>Total non-current liabilities</b>		<b><u>2,034,695</u></b>	<b><u>2,138,805</u></b>
<b>Total liabilities</b>		<b><u>4,597,104</u></b>	<b><u>4,237,252</u></b>
<b>Net assets</b>		<b><u>6,186,310</u></b>	<b><u>7,338,669</u></b>
<b>EQUITY</b>			
Capital		1,103,988	1,103,988
Reserves		8,376,043	8,376,043
Accumulated deficits		<u>(3,293,721)</u>	<u>(2,141,362)</u>
<b>Total equity</b>		<b><u>6,186,310</u></b>	<b><u>7,338,669</u></b>

The accompanying notes form an integral part of these financial statements.

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 STATEMENT OF CASH FLOWS FOR THE YEAR ENDED  
 30 June 1995

		1995	1994
	Notes	\$	\$
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Inflows:			
Industry / DEST funded projects		828,000	1,480,590
Permit assessment fees		268,910	216,930
Interest		226,040	166,584
Aquarium admission fees		1,271,720	1,095,251
Payments from Queensland for day-to-day management		3,480,699	3,058,000
Environmental Management Charge		1,569,556	1,218,359
Other		2,786,865	1,382,598
Outflows:			
Salaries		(6,206,622)	(5,826,981)
Suppliers		(9,759,578)	(8,136,834)
Payments to Consolidated Revenue Fund		(1,545,270)	(1,100,000)
Payments to Queensland for day-to-day management		(8,118,903)	(6,797,000)
<b>Net cash used by operating activities</b>	22(b)	<u>(15,198,583)</u>	<u>(13,242,503)</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>			
Inflows:			
Proceeds from sale of plant & equipment		22,123	14,236
Outflows:			
Payments for purchase of plant & equipment		(941,164)	(460,656)
<b>Net cash used in investing activities</b>		<u>(919,041)</u>	<u>(446,420)</u>
<b>CASH FLOWS FROM GOVERNMENT</b>			
Inflows:			
Appropriation		13,550,000	13,357,000
Special Appropriation		1,560,000	1,085,270
<b>Net cash provided by government</b>		<u>15,110,000</u>	<u>14,442,270</u>
<b>Net increase / (decrease) in cash held</b>		(1,007,624)	753,347
Cash at beginning of reporting period		3,532,303	2,778,956
<b>Cash at end of reporting period</b>	9	<u>2,524,679</u>	<u>3,532,303</u>

The accompanying notes form an integral part of these financial statements.

## 1. ACCOUNTING POLICIES

The following accounting policies have been adopted in the preparation of the accounts.

### (a) Accounts Format

The accounts of the Authority have been prepared in accordance with:

- the 'Guidelines for Financial Statements of Commonwealth Authorities', issued by the Minister for Finance in June 1995; and
- applicable accounting concepts and standards.

### (b) Historical Cost Convention

These accounts have been prepared on the basis of the historical cost convention and except where stated do not show the current cost of specific assets and the impact of such costs on operating results.

### (c) Non-current Assets

Capitalisation occurs on all items which cost more than \$1,500. Non-current assets are depreciated by the straight line method over their estimated useful lives

#### Great Barrier Reef Aquarium

The Great Barrier Reef Aquarium building was funded as a Commonwealth-State Bicentennial project, through the Great Barrier Reef Wonderland Association Incorporated. The Aquarium is sub-leased by the Authority from the Association for a period of 75 years. Under the terms of the sub-lease agreement the Authority is responsible for the replacement of the Aquarium building as necessary and for all expenses and revenue in relation to its operation. Consequently, the value of the Aquarium building has been taken up as an asset in the Authority's accounts and is being amortised over 25 years, which is the estimated useful life of the building. The base stock of audio visual displays at the Great Barrier Reef Aquarium and the base stock of marine life, sand, coral and water in the Aquarium have been included under non-current assets as a non-depreciable item. Stock replacement costs are treated as operating expenses.

### (d) Advances to Consultants

Under the terms of certain contracts with consultants, payments are made in advance. Expenditure on assets which, under the terms of the contract, become the property of the Authority from the date of acquisition is fully expensed in the year of payment. On completion of the contract, such assets are capitalised by the Authority at that time at their written down value and depreciated over their remaining useful life.

### (e) Day-to-day Management Advances

GREAT BARRIER REEF MARINE PARK AUTHORITY  
NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
for the year ended 30 June 1995

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Except for expenditure on fixtures upon land owned by or under the direct control of the Commonwealth or the Authority, advances to the Queensland Department of Environment and Heritage for day-to-day management are fully expensed in the year of payment (refer to Note 2 for details of the day-to-day management item).

(f) Stock on Hand

Goods for resale have been valued at the lower of cost and net realizable value. Cost is determined as the latest purchase price plus inwards transport costs.

(g) Provision for Long Service Leave

Provision has been made for pro-rata entitlements of all staff who have at least five years eligible service at balance date. The current liability represents the estimated value of long service leave that is proposed to be taken by staff during the succeeding year. Expected future payments are discounted using a net discount factor which takes into account those elements that will increase the estimated future cash outflows attaching to the notional liability (e.g. pay increases through promotion and inflation) and the long term bond rate.

(h) Superannuation

Staff of the Authority are employed under the Public Service Act and prior to 1988-89 there had been no obligation in respect of employer contributions to the Commonwealth Superannuation Scheme. However, as the Authority is required to manage the Great Barrier Reef Aquarium on a cost recovery basis, employer superannuation contributions for Aquarium employees became payable from 1 July 1988.

(i) Superannuation Liabilities Assumed by Government

Employer superannuation contributions (other than the productivity component) are not paid by the Authority but are funded by the Commonwealth when required. The notional value of employer contributions for the year is shown as an operating expense in the Operating Statement and an equal amount is recorded as 'Liabilities assumed by government' (Revenue) in the Operating Statement.

(j) Revenue from government sources

Revenue from all government sources, including Commonwealth, state and departmental, is recorded as revenue in the year it is received.

**2. DAY-TO-DAY MANAGEMENT OF THE GREAT BARRIER REEF MARINE PARK**

(a) Principles agreed between the Commonwealth and Queensland Governments relating to the day-to-day management of the Great Barrier Reef Marine Park

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

provide for:

- the Queensland Department of Environment and Heritage (QDEH) to carry out the day-to-day management of the Great Barrier Reef Marine Park, subject to the Authority in accordance with inter-governmental agreements
- the Commonwealth to fund 100% of an initial capital works program (in the first three years or so) required to establish management of the Great Barrier Reef Marine Park on a sound basis; other capital costs (i.e. the post-initial program) of day-to-day management of the Great Barrier Reef Marine Park to be shared equally between the two Governments
- the Commonwealth and Queensland Governments to meet in equal shares the recurrent costs for day-to-day management in relation to the Great Barrier Reef Marine Park (which may include Queensland national parks or Queensland marine parks, the use or management of which would or might affect the Great Barrier Reef Marine Park)
- moveable property funded pursuant to the arrangements to be used and administered by Queensland; proceeds from the sale of any such moveable property are paid into the day-to-day management account to offset Commonwealth/Queensland contributions on a 50:50 basis
- fixed assets funded pursuant to the arrangements to be used by Queensland and administered by the Government (or the Authority) which owns or controls the land on which the fixture is located
- expenditure on day-to-day management to be in accordance with an annually agreed program, and
- the Authority to administer funds provided by the Commonwealth and Queensland for these purposes.

(b) The Commonwealth appropriation for day-to-day management was made up of:

	1995	1994
	\$	\$
(i) Recurrent and Post-Initial Capital Programs	3,655,000	3,058,000
(ii) Initial Capital Works	<u>64,000</u>	<u>611,000</u>
	<u>3,719,000</u>	<u>3,669,000</u>

(c) The total Queensland contribution to day-to-day management was \$3,480,699 in 1994-95 compared with \$3,058,000 in 1993-94.

(d) Financial statements for day-to-day management which have been prepared by QDEH and audited by the Queensland Auditor-General are at Note 26.

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

3. REVENUE

(a) The operations of the Authority are dependent upon the appropriation of moneys by the Commonwealth Parliament. Commonwealth parliamentary appropriations comprised the following:

	1995	1994
	\$	\$
Operational	9,831,000	9,188,000
Special Appropriation	1,594,307	1,528,297
Great Barrier Reef Aquarium	-	500,000
Commonwealth contribution to day-to-day management refer note 2(b)	<u>3,719,000</u>	<u>3,669,000</u>
	<u>15,144,307</u>	<u>14,885,297</u>

Special Appropriation: On 30 July 1993 the Great Barrier Reef Marine Park Authority introduced an Environmental Management Charge with the objective of recovering part of the increasing management, research and education costs associated with a marked increase in use of the Marine Park. Amounts collected by the Authority, as agent for the Commonwealth, are paid into Consolidated Revenue and then paid back to the Authority via Special Appropriation. The amount shown above represents actual amounts received via Special Appropriation plus an accrual for amounts applicable to the financial year ended 30 June 1995 but received after that date and due to be paid to the Authority as Special Appropriation.

(b) Abnormal items

The instalment of \$231,433 due in the 1994-95 financial year for repayment of Aquarium establishment costs was waived by the Department of Finance and is recorded as an abnormal item in the Operating Statement.

(c) Miscellaneous revenue comprised the following:

	1995	1994
	\$	\$
Implementation of DEST funded programs	828,000	1,149,700
External Services section revenue	682,012	322,080
Moneys for industry funded monitoring and baseline studies	204,556	255,187
Sale of Authority education and information materials	66,406	83,900
Interest	220,502	166,883
Permit assessment fees	268,200	216,930
Payments from QDEH for: refer note 2(a)		
- sale of moveables	319,576	148,544
- other receipts	51,622	30,415
Revenue from other miscellaneous sources	<u>595,668</u>	<u>198,516</u>
	<u>3,236,542</u>	<u>2,572,155</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

4. AQUARIUM REVENUE AND EXPENSES

(a) Revenue of the Aquarium comprised the following:

	1995	1994
	\$	\$
Admission fees	1,263,463	1,079,488
Donations and sponsorships	18,102	16,475
Membership program	54,471	42,310
Interest	7,612	2,479
Funding for traditional use display	-	12,500
Consultancy contracts	198,916	160,734
Other revenue	<u>75,078</u>	<u>36,040</u>
	<u>1,617,642</u>	<u>1,350,026</u>
Shop Sales	424,835	306,008
Less: Cost of goods sold refer note 4(b)	<u>260,730</u>	<u>189,069</u>
Gross profit from shop trading	<u>164,105</u>	<u>116,939</u>
Total Aquarium Revenue	<u>1,781,747</u>	<u>1,466,965</u>

(b) This item represents the cost of goods sold through the Great Barrier Reef Aquarium Shop as follows:

	1995	1994
	\$	\$
Opening Stock	91,976	122,049
Purchases	250,362	158,996
Less: Closing Stock	<u>81,608</u>	<u>91,976</u>
	<u>260,730</u>	<u>189,069</u>

(c) Expenses of the Aquarium comprised the following:

	1995	1994
	\$	\$
Curatorial Operations	696,078	594,100
Interpretative Facilities	466,044	392,939
Marketing/Promotions	191,298	132,482
Shop Management and Services	88,684	87,063
Repairs and Maintenance	22,649	32,025
Corporate Services		
- property services	273,290	293,855
- general services and administration	155,132	109,187
Interest	130,463	112,920
Bad debts written off	1,537	73
Loss on sale of non-current assets	<u>949</u>	<u>3,435</u>
Total Operating Expenses	<u>2,026,124</u>	<u>1,758,079</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

(d) Unfunded charges of the Aquarium comprised the following:

	1995	1994
	\$	\$
Depreciation of property, plant and equipment	411,474	412,312
Staff provisions	<u>(19,175)</u>	<u>(11,899)</u>
Total unfunded charges	<u>392,299</u>	<u>400,413</u>
Total Aquarium Expenses	<u>2,418,423</u>	<u>2,158,492</u>
Result from Aquarium operations - excluding appropriation revenue shown at Note 3(a)		
Nil 1994-95 (1993-94, \$500,000)	<u>(636,676)</u>	<u>(691,527)</u>

This result excludes reimbursement of the 1994-95 GBR Aquarium superannuation contributions estimated at \$55,200 (1993-94, \$62,100).

## 5. CORPORATE MANAGEMENT AND SERVICES

Corporate management and services comprised the following:

	1995	1994
	\$	\$
Expenses of the Authority	388,706	215,092
Expenses of the Great Barrier Reef Consultative Committee	38,540	43,344
Executive and Secretariat	687,282	681,661
Canberra office	308,009	324,113
Administration	<u>889,235</u>	<u>791,536</u>
	<u>2,311,772</u>	<u>2,055,746</u>

The item "Expenses of the Great Barrier Reef Consultative Committee" includes sitting fees paid to part-time members in accordance with the Remuneration Tribunal Determination. In 1994-95 payments totalled \$11,025, (1993-94, \$10,371).

The item "Administration" includes the following:

	1995	1994
	\$	\$
Bad debts written off	629	4,868
Net loss on disposal of non-current assets	7,033	19,259
Auditor's remuneration		
- auditing the accounts of the Authority (no other services were provided)	<u>42,000</u>	<u>48,000</u>
	<u>49,662</u>	<u>72,127</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

6. UNFUNDED CHARGES

The aggregate amount of unfunded charges of the Authority comprised the following:

	1995	1994
	\$	\$
Depreciation of property, plant and equipment	775,847	750,106
Long service leave	(99,311)	106,138
Annual leave	31,590	20,019
Leave fares	<u>(4,351)</u>	<u>5,770</u>
	<u>703,775</u>	<u>882,033</u>

7. TOTAL OPERATING EXPENSES - FINANCE LEASES

Included in total operating expenses are the following charges relating to property, plant and equipment purchased under finance leases:

	1995	1994
	\$	\$
Amortisation	14,763	11,132
Finance charges	<u>4,477</u>	<u>3,704</u>
	<u>19,240</u>	<u>14,836</u>

8. TOTAL OPERATING EXPENSES - SALARIES AND WAGES COSTS

Included in total operating expenses are the following salaries and wages costs:

	1995	1994
	\$	\$
Great Barrier Reef Aquarium		
- Operations	977,838	869,335
- Aquarium Shop	82,365	55,583
Other Authority Operations	<u>5,421,837</u>	<u>4,726,906</u>
	<u>6,482,040</u>	<u>5,651,824</u>

9. CASH

Cash held at 30 June comprised the following:

	30 June 1995	30 June 1994
	\$	\$
Authority Operations Account	1,548,806	2,013,735
Great Barrier Reef Aquarium Account	83,416	221,747
Day-to-day Management Account	881,851	1,285,404
Cash on hand	<u>10,606</u>	<u>11,417</u>
	<u>2,524,679</u>	<u>3,532,303</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

10. RECEIVABLES

	30 June 1995	30 June 1994
Receivables at 30 June were:		
	\$	\$
Trade Debtors	209,482	116,100
Amounts receivable from the Commonwealth	334,689	324,668
Total Receivables	544,171	440,768
Less: Provision for doubtful debts	-	-
	<u>544,171</u>	<u>440,768</u>
Receivables which are overdue:		
- 30 to 60 days	16,624	
- more than 60 days	23,512	
	<u>40,136</u>	

11. PROVISIONS

Additional detail relating to provisions is as follows:

	30 June 1995	30 June 1994
Current liabilities	\$	\$
Provision for long service leave - refer note 1(g)	20,442	121,661
Provision for annual leave	713,648	682,057
Provision for leave fares	64,581	68,932
	<u>798,671</u>	<u>872,650</u>
Non-current liabilities		
Provision for long service leave - refer note 1(g)	788,769	786,861
	<u>788,769</u>	<u>786,861</u>

12. CURRENT AND NON-CURRENT LIABILITIES  
 CREDITORS and OTHER

(a) Current liabilities

	30 June 1995	30 June 1994
Creditors	\$	\$
Trade Creditors	1,110,912	913,752
Other Creditors	88,282	10,508
	<u>1,199,194</u>	<u>924,260</u>
Other		
Advances from Dept of Finance and accrued interest refer note 16	250,194	231,433
Finance lease commitments	9,364	15,285
Other current liabilities	304,986	54,819
	<u>564,544</u>	<u>301,537</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

(b) Non-current liabilities			
Advances from Dept of Finance and accrued interest	refer note 16	1,232,213	1,351,944
Finance leases		<u>13,713</u>	<u>-</u>
		<u>1,245,926</u>	<u>1,351,944</u>

Finance lease commitments as at 30 June are due as follows:

	30 June 1995	30 June 1994
Payable:	\$	\$
Within one year	11,451	17,480
In the second year	5,455	-
Within a three to five year period	<u>11,365</u>	<u>-</u>
Minimum lease payments	28,271	17,480
Less: Future finance charges	<u>5,194</u>	<u>2,195</u>
Lease liability	<u>23,077</u>	<u>15,285</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

13. PROPERTY, PLANT AND EQUIPMENT

(a) Authority and Aquarium fixed assets:	Cost		Accumulated Depreciation		Written Down Value	
	30 June 1995	30 June 1994	30 June 1995	30 June 1994	30 June 1995	30 June 1994
As at 30 June:	\$	\$	\$	\$	\$	\$
Furniture, fittings & displays	271,872	261,316	132,075	114,745	139,797	146,571
Office machines	200,018	182,230	158,914	146,520	41,104	35,710
Audiovisual & photographic	454,248	411,008	96,109	83,646	358,139	327,362
Marine & diving	74,291	32,546	23,528	22,322	50,763	10,224
Computer hardware	1,641,603	1,353,067	1,039,534	892,844	602,069	460,223
Computer software	224,745	196,858	98,558	69,241	126,187	127,617
Scientific & technical	139,075	120,844	93,513	75,636	45,562	45,208
Vehicles & mobile plant	37,581	44,027	14,455	25,018	23,126	19,009
Other plant & equipment	563,954	554,221	240,443	208,700	323,511	345,521
Aquarium contents	346,093	346,093	-	-	346,093	346,093
Works in progress	197,588	15,134	-	-	197,588	15,134
Improvements to leasehold property						
- Fixtures & fittings	439,740	401,833	112,075	88,376	327,665	313,457
- Aquarium building	<u>7,839,841</u>	<u>7,747,367</u>	<u>2,827,800</u>	<u>2,480,439</u>	<u>5,012,041</u>	<u>5,266,928</u>
<b>Total</b>	<b><u>12,430,649</u></b>	<b><u>11,666,544</u></b>	<b><u>4,837,004</u></b>	<b><u>4,207,487</u></b>	<b><u>7,593,645</u></b>	<b><u>7,459,057</u></b>

These assets are grouped into the following classes:

Land and buildings	8,625,674	8,495,293	2,939,875	2,568,815	5,685,799	1,532,579
Plant and equipment	<u>3,804,975</u>	<u>3,171,251</u>	<u>1,897,129</u>	<u>1,638,672</u>	<u>1,907,846</u>	<u>5,926,478</u>
<b>Total</b>	<b><u>12,430,649</u></b>	<b><u>11,666,544</u></b>	<b><u>4,837,004</u></b>	<b><u>4,207,487</u></b>	<b><u>7,593,645</u></b>	<b><u>7,459,057</u></b>

(b) Included above are the following amounts initially capitalised as assets purchased under finance leases, and accumulated amortisation.

	30 June 1995	30 June 1994
	\$	\$
Office machines	53,204	33,396
Amortisation	<u>37,027</u>	<u>22,264</u>
Written down value	<u>16,177</u>	<u>11,132</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

**14. AGREEMENTS EQUALLY PROPORTIONATELY UNPERFORMED**

At the end of the financial year the particulars of research contracts and other contracts not brought to account were as follows:

	30 June 1995	30 June 1994
Payable:	\$	\$
Within one year	413,829	506,683
In the second year	6,000	25,954
Within a three to five year period	<u>-</u>	<u>6,000</u>
	<u>419,829</u>	<u>538,637</u>

**15. MATERIAL COMMITMENTS**

At the end of the financial year the particulars of material commitments, including commitments for capital expenditure, not brought to account were as follows:

	30 June 1995	30 June 1994
Payable:	\$	\$
Within one year	200,825	150,690
In the second year	-	-
Within a three to five year period	<u>-</u>	<u>-</u>
	<u>200,825</u>	<u>150,690</u>

**16. REPAYMENT OF ADVANCES FROM DEPARTMENT OF FINANCE**

The Department of Finance has determined that funds appropriated for the purposes of the Great Barrier Reef (GBR) Aquarium are repayable advances. The GBR Aquarium has received two such advances:

- \$450,000 in 1986-87 for establishment costs; and
- \$1,000,000 in 1989-90.

The advances are being repaid in the form of instalments deducted from Authority appropriation and made up from GBR Aquarium revenue. Interest on the outstanding principal is charged at the long term bond rate and has been capitalised.

Scheduled repayments in respect of the establishment costs advance were made in 1988-89 and in 1989-90. Repayments for the remaining balance of the establishment costs advance together with the other advance in 1989-90 were consolidated and scheduled to be repaid over a period of ten years. The repayment to the Department of Finance due in the 1992-93 financial year was satisfied by a reduction of Authority appropriation. The Department of Finance agreed to defer the repayment due in the 1993-94 financial year and the term of repayment was extended.

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

The repayment due in 1994-95 was waived by the Department of Finance.

**17. OPERATING LEASE COMMITMENTS**

(a) The aggregate amount of operating leases contracted for and outstanding as at 30 June 1995 is \$1,600,920. These leases are for office accommodation and the discharge will be:

	30 June 1995	30 June 1994
	\$	\$
Within one year	647,534	595,674
In the second year	640,474	595,534
Within a three to five year period	282,246	594,720
Later than five years	<u>30,666</u>	<u>-</u>
	<u>1,600,920</u>	<u>1,785,928</u>

(b) The Authority sub-leases the Great Barrier Reef Aquarium building from the Great Barrier Reef Wonderland Association Incorporated for a nominal amount payable if demanded.

**18. TRUST MONEY**

GREAT BARRIER REEF MARINE PARK AUTHORITY TRUST MONEYS  
 Statement of Receipts and Payments for the year ended 30 June 1995

	1995
	\$
Cash at bank 1 July 1994	145,846
<b>RECEIPTS</b>	
Interest	<u>6,808</u>
	152,654
<b>PAYMENTS</b>	
Payment under bank guarantee	<u>15,000</u>
Cash at bank 30 June 1995	<u>137,654</u>

**19. INSURANCE**

The Authority has a policy of self-insurance for its general operations but has commercial insurance cover for the operation of the Great Barrier Reef Aquarium.

**20. CONTINGENT LIABILITIES**

The Authority is unaware of any contingent liabilities.

**21. CO-OPERATIVE RESEARCH CENTRE FOR THE ECOLOGICALLY SUSTAINABLE DEVELOPMENT OF THE GREAT BARRIER REEF**

The Co-operative Research Centre (CRC) for the Ecologically Sustainable Development of the Great Barrier Reef was established to work with industry and environmental managers in addressing strategic and tactical issues so that opportunities for use of the Great Barrier Reef Region may be maximised, consistent with ecologically sustainable development. On the basis of actual contributions for the year ended 30 June 1995, the Authority's interest in the CRC is 20.21%, (1993-94, 21.55%).

As at 30 June, the Authority's commitment to the CRC, in both cash contributions and 'in kind' contributions was:

	1995	1994
	\$	\$
Within one year	915,000	915,000
In the second year	915,000	915,000
Within a three to five year period	2,745,000	2,745,000
Later than five years	-	915,000
	<u>4,575,000</u>	<u>5,490,000</u>

**22. NOTES TO THE STATEMENT OF CASH FLOWS**

(a) Reconciliation of cash

For the purposes of the statement of cash flows, the Authority considers cash to include cash on hand and in banks. Cash at the end of the reporting period as shown in the statement of cash flows has been reconciled to the related items in the statement of financial position and is shown at note 9.

(b) Reconciliation of Net cash used by operating activities to Operating result.

	1995	1994
	\$	\$
Operating result	(1,152,359)	255,843
Appropriation	(15,110,000)	(14,442,270)
Depreciation	775,847	750,106
Bad debts	2,166	4,941
Loss on disposal of non-current assets	7,982	22,694
Increase in Receivables	(103,403)	(113,502)
(Increase)/Decrease in Inventories	10,368	30,073
(Increase)/Decrease in Other Assets	12,506	(11,675)
Increase in Creditors	274,934	260,299
Increase/(Decrease) in Provisions	(72,071)	132,925
Increase/(Decrease) in Other Liabilities	<u>155,447</u>	<u>(131,937)</u>
Net cash used by operating activities	<u>(15,198,583)</u>	<u>(13,242,503)</u>

GREAT BARRIER REEF MARINE PARK AUTHORITY  
NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
for the year ended 30 June 1995

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(c) Non-cash Financing and Investing activities

During the reporting period the Authority acquired equipment with a value of \$19,808 by means of finance leases (1993-94, Nil). This acquisition is not reflected in the statement of cash flows or note 22(b).

**23. RELATED PARTIES**

(a) Authority Members

The members of the Great Barrier Reef Marine Park Authority during the financial year were:

Professor Graeme Kelleher, AM, (full-time Chairman and chief executive officer) to 19 December 1994;

Dr Ian McPhail, (full-time Chairman, later Chairperson and chief executive officer) from 20 December 1994;

Dr Craig Emerson, (part-time member) to 9 September 1994 and from 7 December 1994;

Professor Rhondda Jones, (part-time member).

(b) Acting Member and Chairman/Chairperson appointments

During a vacancy in office of part-time member, the Minister appointed Dr Craig Emerson to act as member from 12 September 1994 to 10 November 1994.

During periods of absence by the Chairman, the Minister appointed the Authority's Executive Officer, Dr Wendy Craik, to act as a Member and Chairman from 10 to 19 October 1994, and from 14 to 28 November 1994.

During a period of absence by the Chairperson, the Minister appointed the Authority's Executive Officer, Dr Wendy Craik, to act as a Member and Chairperson from 28 April 1995 to 3 May 1995, and from 27 to 31 May 1995.

(c) Remuneration

Information on remuneration of Authority Members is disclosed at Note 24.

(d) Authority Members' interest in contracts

On the basis of statements declared by members in accordance with S16A of the Act, no Authority member has received or become entitled to receive a benefit, other than a benefit included in the aggregate of remuneration received or due and receivable shown at Note 24 by reason of a contract made by the Authority member or with a firm of which the Authority member is a member or with a company in which the Authority member has a substantial interest.

GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

**24. REMUNERATION OF MEMBERS AND EXECUTIVES**

(a) Remuneration - Members of the Authority

	1995	1994
	\$	\$
Remuneration received, or due and receivable, directly or indirectly, by members of the Authority:	149,100	150,357

The number of members of the Authority whose remuneration from the Authority was within the specified bands are as follows:

	1995	1994
	\$	\$
\$10,000 - \$20,000	2	2
\$60,000 - \$70,000	2	-
\$120,000 - \$130,000	-	1

(b) Remuneration - Executives

The number of executive officers of the Authority whose total fixed remuneration received, or due and receivable, directly or indirectly, from the Authority, fell within each band of income after \$100,000 is:

	1995	1994
\$100,000 - \$110,000	1	1

**25. GEOGRAPHICAL LOCATION**

The Authority has its principal office located in Townsville, North Queensland and also has a small office in Canberra. This arrangement enables the Authority to have its principal technical resources close to the Reef and also to carry out important liaison functions in Canberra.

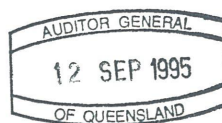
GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

26.

Queensland Department of Environment and Heritage  
 Great Barrier Reef Marine Park  
 Statement of Receipts and Payments for the Year Ended 30 June 1995

1993 - 94 \$		1994- 95 \$
	<b>The balance at 1 July comprised -</b>	
	Recurrent Costs	
1,841	Salaries and Wages	7,455
10,506	Operating Costs	5,346
	Capital Works and Services	
648,219	Initial Program	24,279
181,868	Post Initial Program	51,524
	Balance of proceeds from sale of Moveables	-
74,039		
916,473		88,604
	<b>Receipts for the year were -</b>	
	Recurrent Costs	
3,689,811	Salaries and Wages	3,828,991
2,481,280	Operating Costs	2,515,788
	Capital Works and Services	
181,000	Initial Program	837,506
444,909	Post Initial Program	936,618
71,259	Disposal of Moveables	319,576
33,661	Other Receipts	39,344
6,901,920	<b>Total Receipts (Note 4)</b>	8,477,823
	<b>From which the following payments were made -</b>	
	Recurrent Costs	
3,684,197	Salaries and Wages	3,832,715
2,486,440	Operating Costs	2,521,134
	Capital Works and Services	
804,940	Initial Program (Note 5)	779,894
575,253	Post Initial Program (Note 5)	853,229
131,227	To GBRMPA for Moveables sold	319,576
47,732	To GBRMPA for Other Receipts	39,184
7,729,789	<b>Total Payments</b>	8,345,732
(827,869)	<b>Resulting in an excess of receipts over payments of -</b>	132,091
	<b>Leaving a balance at 30 June comprising-</b>	
	Recurrent Costs	
7,455	Salaries and Wages	3,731
5,346	Operating Costs	-
	Capital Works and Services	
24,279	Initial Program	81,891
51,524	Post Initial Program	134,913
	Balance of proceeds from sale of Moveables	160
88,604		220,695

The accompanying notes form an integral part of these financial statements.



GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

Queensland Department of Environment and Heritage  
 Great Barrier Reef Marine Park  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENT

**Note 1 Statement of Accounting Policies**

(a) Basis of Accounts

The accounts have been prepared on a cash basis, consistent with the basis applied in the previous financial year and in the form approved by the Minister for Finance (Commonwealth), as required by the Agreement.

(b) Carryover Transfer to the Queensland Treasury Department

The balance of Commonwealth funds for the Great Barrier Reef Marine Park at 30 June 1995, which does not include the balance of proceeds from the sale of moveables, was transferred to the Treasury Department in terms of that Department's requirements. The amount transferred has been refunded to the Department of Environment and Heritage in July 1995. The total of receipts included in the Statement of Receipts and Payments for the year ended 30 June 1995 represents gross receipts excluding the transfer.

(c) Property, Plant and Equipment

All items which cost more than \$1,000 are capitalised. This resulted in a \$19,864 (1993/94 \$15,169) and \$8,760 (1993/94 \$8,158) adjustment to the Commonwealth and Queensland funded assets, respectively.

(d) Investments

Investments are recorded at cost.

(e) Contingent Assets/Liabilities

There were no known contingent assets or liabilities of a significant nature at 30 June 1995 (1994 \$NIL).

**Note 2 Investments**

Equity in Q Fleet #	1994 \$	1995 \$
Commonwealth	221,102	-
State	221,102	-
	442,204	-

# In January 1995, Q-Fleet's capital base was restructured. All equity held was paid as a capital contribution by government to the Queensland Infrastructure Financing Fund.



GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

Queensland Department of Environment and Heritage  
 Great Barrier Reef Marine Park  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENT (continued)

Note 3 Property, Plant and Equipment

(a) Statement of Property, Plant and Equipment (at cost) as at 30 June 1995, including movements for 1994-95 financial year.

	Funded by Commonwealth (cumulative from 1 July 1981)			Balance 30/6/95 \$
	Balance 1/7/94 \$	Acquisition 1994-95 \$	Disposal/ Write Offs 1994-95 \$	
Buildings and infrastructure	1,564,720	205,393	-	1,770,113
Vessels and associated equipment	1,768,242	805,161	81,097	2,492,306
Vehicles	38,680	-	37,992	688
Other plant and equipment	792,909	181,899	63,455	911,353
	<u>4,164,551</u>	<u>1,192,453</u>	<u>182,544</u>	<u>5,174,460</u>
	Funded by Queensland (cumulative from 1 July 1981)			Balance 30/6/95 \$
	Balance 1/7/94 \$	Acquisition 1994-95 \$	Disposal/ Write Offs 1994-95 \$	
Buildings and infrastructure	182,335	138,580	-	320,915
Vessels and associated equipment	419,892	96,364	50,563	465,693
Vehicles	38,680	-	37,991	689
Other plant and equipment	283,420	177,615	33,495	427,540
	<u>924,327</u>	<u>412,559</u>	<u>122,049</u>	<u>1,214,837</u>
<b>TOTAL</b>	<u>5,088,878</u>	<u>1,605,012</u>	<u>304,593</u>	<u>6,389,297</u>

Stocktakes of Property, Plant and Equipment were carried out by officers of the Department of Environment and Heritage.



GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

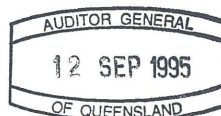
Queensland Department of Environment and Heritage  
 Great Barrier Reef Marine Park  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENT (continued)

(b) Statement of Property, Plant and Equipment Disposed of/Written Off during 1994-95

	Funded by Commonwealth		Funded by Queensland	
	1993-94 \$	1994-95 \$	1993-94 \$	1994-95 \$
Sale/Transfer of Assets	89,216	129,342	58,729	104,497
Write off due to:				
Damage and				
Obsolescence/Worn Out	-	26,622	-	2,075
Other	669	6,716	-	6,717
Asset criteria adjustment	15,169	19,864	8,158	8,760
	<u>105,054</u>	<u>182,544</u>	<u>66,887</u>	<u>122,049</u>
		1993-94 \$	1994-95 \$	

Note 4 Receipts during the year were provided from the following sources:

Commonwealth Government:		
Recurrent 50%		
Salaries and Wages	1,844,906	1,914,496
Operating Costs	1,240,640	1,257,894
Capital Works and Services:		
Initial Program 100%	181,000	837,506
Post-Initial program 50%	222,454	468,309
	<u>3,489,000</u>	<u>4,478,205</u>
Queensland Government:		
Recurrent 50%		
Salaries and Wages	1,844,905	1,914,495
Operating Costs	1,240,640	1,257,894
Capital Works and Services		
Post-Initial Program 50%	222,455	468,309
	<u>3,308,000</u>	<u>3,640,698</u>
Disposal of Moveables	71,259	319,576
Other Receipts	33,661	39,344
	<u>6,901,920</u>	<u>8,477,823</u>
Total Gross Receipts		



GREAT BARRIER REEF MARINE PARK AUTHORITY  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
 for the year ended 30 June 1995

Queensland Department of Environment and Heritage  
 Great Barrier Reef Marine Park  
 NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENT (continued)

	1993-94 \$	1994-95 \$
<b>Note 5 Capital Works and Services</b>		
<b>-Initial Program</b>		
Buildings and infrastructure	183,800	66,813
Vessels and associated equipment	558,156	708,796
Office and field equipment	62,984	4,285
	804,940	779,894
<b>-Post Initial Program</b>		
Buildings and infrastructure	48,798	277,160
Vessels and associated equipment	269,446	192,729
Vehicles	147,611	28,111
Office and field equipment	109,398	355,229
	575,253	853,229



GREAT BARRIER REEF MARINE PARK AUTHORITY  
NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
for the year ended 30 June 1995

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**CERTIFICATE OF THE QUEENSLAND DEPARTMENT OF  
ENVIRONMENT AND HERITAGE**

We have prepared the foregoing annual financial statement in relation to the operation of the Great Barrier Reef Marine Park as required by the relevant Agreements dated 10 May 1988 between the Commonwealth and Queensland Governments and the Great Barrier Reef Marine Park Authority and certify as follows -

- (a) the foregoing financial statement and appended notes to and forming part thereof are in agreement with the accounts and records of the Queensland Department of Environment and Heritage;
- (b) the receipt and expenditure of monies were in accordance with the approved programs and in accordance with the aforementioned agreements and previous draft agreements executed between the Commonwealth and Queensland Governments with regard to day-to-day management and control and ownership of assets; and
- (c) in our opinion-
  - (i) the prescribed requirements in respect of the establishment and keeping of accounts have been complied with in all material respects; and
  - (ii) the foregoing annual financial statement has been drawn up so as to present a true and fair view, on a basis consistent with that applied in the financial year last preceding, of the transactions of the Queensland Department of Environment and Heritage in relation to the Great Barrier Reef Marine Park for the period 1 July 1994 to 30 June 1995 and of the financial position as at the close of that year.

  
.....  
H McLoughlin  
Executive Manager (Financial Services)  
Department of Environment and Heritage

2/9/95

  
.....  
T. Tolhurst  
Acting Director General  
Department of Environment and Heritage

12/11/95



GREAT BARRIER REEF MARINE PARK AUTHORITY  
NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS  
for the year ended 30 June 1995

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**CERTIFICATE OF THE AUDITOR-GENERAL**

**Scope**

I have audited the Statement of Receipts and Payments for the Queensland Department of Environment and Heritage - Great Barrier Reef Marine Park for the year ended 30 June 1995.

The Director-General of the Department of Environment and Heritage is responsible for the preparation and the form of presentation of the Statement and the information it contains. I have audited the Statement in order to express an opinion on it.

The audit has been conducted in accordance with *QAO Auditing Standards* to provide reasonable assurance as to whether the financial statement is free of material misstatement. Audit procedures adopted have included the examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial statement and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion as to whether, in all material respects, the financial statement is presented fairly so as to present a view which is consistent with my understanding of the results of the entity's financial transactions.

The audit opinion expressed in this certificate has been formed on the above basis.

**Audit Opinion**

In terms of the Agreements dated 10 May 1988 between the Commonwealth and Queensland Governments and the Great Barrier Reef Marine Park Authority relating to the management of the Great Barrier Reef Marine Park, I certify that, in my opinion:

- (a) the foregoing Statement of Receipts and Payments for the period 1 July 1994 to 30 June 1995 is based on proper accounts and accounting records and is in agreement with those accounts and records; and
- (b) the expenditure of moneys is in accordance with the Agreements.



B M ROLLASON  
Auditor-General



# APPENDIX M

## independent audit report

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### INDEPENDENT AUDIT REPORT

To the Minister for the Environment, Sport and Territories

#### Scope

I have audited the financial statements of the Great Barrier Reef Marine Park Authority for the year ended 30 June 1995. The statements comprise:

- Statement by Authority Members
- Operating Statement
- Statement of Financial Position
- Statement of Cash Flows, and
- Notes to and forming part of the accounts

The members of the Great Barrier Reef Marine Park Authority are responsible for the preparation and presentation of the financial statements and the information contained therein. I have conducted an independent audit of the financial statements in order to express an opinion on them to the Minister for the Environment, Sport and Territories.

The audit has been conducted in accordance with Australian National Audit Office Auditing Standards, which incorporate the Australian Auditing Standards, to provide reasonable assurance as to whether the financial statements are free of material misstatement. Audit procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial statements, and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion whether, in all material respects, the financial statements are presented fairly in accordance with Australian Accounting Concepts and Standards, other mandatory professional reporting requirements and statutory requirements so as to present a view which is consistent with my understanding of the Authority's financial position, the results of its operations and its cash flows.

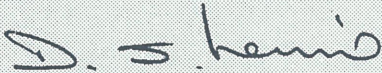
The audit opinion expressed in this report has been formed on the above basis.

## Audit Opinion

In accordance with section 55 of the *Great Barrier Reef Marine Park Act 1975*, I now report that the statements are in agreement with the accounts and records of the Authority, and in my opinion:

- (i) the statements are based on proper accounts and records
- (ii) the statements show fairly in accordance with Statements of Accounting Concepts, applicable Accounting Standards, and other mandatory professional reporting requirements the financial transactions and results and cash flows for the year ended 30 June 1995 and the state of affairs of the Authority as at that date
- (iii) the receipt, expenditure and investment of moneys, and the acquisition and disposal of assets by the Authority during the year have been in accordance with the *Great Barrier Reef Marine Park Act 1975*, and
- (iv) the statements are in accordance with the *Guidelines for Financial Statements of Commonwealth Authorities*

Australian National Audit Office



D.S. Lennie  
Executive Director

For the Auditor-General

Canberra  
27 September 1995

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No.	Place	Project Type	Proponent	Current Status of Applications	In the Marine Park
1	Green Island	Tourist Pontoon	Reef Management Pty Ltd	Permit refused - AAT appeal pending	Wholly
2	Hastings Reef	Artificial Wreck	Tropical Traders	Assessment Pty Ltd	Wholly under way
3	Hastings Reef	Tourist Pontoon	Nodnoc Pty Ltd	Assessment held	Wholly
4	Agincourt #4 Reef	Tourist Pontoon	Quicksilver Connections Ltd	Assessment held	Wholly
5	Agincourt #2d Reef	Tourist Pontoon	Quicksilver Connections Ltd	Renewal assessment under way	Wholly
6	Norman Reef	Helicopter	Jayrow Helicopters Pty Ltd	Renewal assessment Pty Ltd	Wholly under way
7	Kent Island	Mariculture	Messrs Marcum, Smith and Mohr	Assessment under way	Wholly
8	Moore Reef	Tourist Pontoon	Dectar Pty Ltd	Permit granted	Wholly
9	Trinity Inlet	Dredge Spoil Dumping 1995	Cairns Port Authority	Permit granted	Wholly
10	Roving	Overnight Accom. Vessel	Cairns Dive Centre	Permit granted	Wholly
11	Batt Reef	Mariculture	Coral Sea Pearls Pty Ltd	Permit granted - now lapsed	Wholly
12	Trinity Inlet	Dredge Spoil	Cairns Port Dumping 1994	Permit granted Authority	Wholly

No.	Place	Project Type	Proponent	Current Status of Applications	In the Marine Park
13	Dent Island	Submarine Pipeline	Hamilton Island Enterprises	Assessment under way	Partially
14	Nelly Bay - Magnetic Is.	Residential/Marina	Qld Dept of Lands	EIS in preparation	Partially
15	Oyster Point	Marina	Cardwell Development	Advisory only Properties Pty Ltd	No
16	Bedarra Island	Erosion Control	Australian Resorts	Assessment under way	Partially
17	Burdekin River Delta	Mineral Exploration	Marine Mining NL	Advisory only	No
18	Clarkes Cove	Resort and Marina Development	Heartsbrook	Advisory only	No
19	Dunk Island	Erosion Control	Australian Resorts	Application pending	Partially
20	Hamilton	Watersports Island	Hamilton Island Pontoon	Assessment Enterprises	Wholly under way
21	Hardy Reef	Helicopter Pontoon	Helireef	Permit granted	Wholly
22	Hardy Reef	Relocation of Tourist Pontoon	Fantasea Cruises	Assessment under way	Wholly
23	Hardy Reef	Works	Fantasea Cruises	Permit granted	Wholly
24	Hardy Reef	Overnight Accom. Pontoon	Fantasea Cruises	Assessment under way	Wholly
25	Hardy Reef	Tourist Pontoon	Reef Pontoons Pty Ltd	Assessment under way	Wholly
26	Hayman Island	Marina/Jetty	Ansett	Renewal assessment under way	Partially
27	Hinchinbrook	Pontoon & Island	Hinchinbrook Walkway	Assessment Island Resort	Partially under way
28	Hook Island	Jetty	Glowlite Pty Ltd	Permit granted	Partially
29	Hull River	Anchorage/Marina Development	Shire of Cardwell	Advisory only	No

No.	Place	Project Type	Proponent	Current Status of Applications	In the Marine Park
30	Lindeman Island	Jetty	Holiday Villages	Assessment under way	Partially
31	Long Island	Jetty & Pontoon	Mytarc Pty Ltd	Permit granted	Partially
32	Long Island	Salvage of Pontoon	Mytarc Pty Ltd	Permit granted	Wholly
33	Molongle	Channel Dredging Beach	Bowen Shire	Advisory only Council	No
34	Airlie Beach	Marina	Whitsunday Development	Advisory only Sailing Club	No
35	Airlie Beach	Marina	Shire of Development	Advisory only Whitsunday	No
36	Port of Townsville	Dredging and Spoil Disposal	Townsville Port Authority	Advisory only	No
37	Shute	Marina Harbour	Scotex Pty Ltd Development	Advisory only	No
38	Toomulla	Aquaculture	Aquaculture Proposal	Advisory only Industries Pty Ltd	No
39	Kelso Reef	Tourist Pontoon	Nodnoc Pty Ltd	Assessment under way	Wholly
40	Yanks Jetty - Orpheus	Pontoon & Walkway Island	Nodnoc Pty Ltd	Permit granted and further assessment	Partially under way
41	Hayman Island	Sewage Outfall	Ansett	Assessment under way	Partially
42	Dunk Island	Jetty	Shire of Cardwell & Australian Resort	Assessment under way	Partially
43	Hook Island	Sewage Discharge	Glowlite Pty Ltd	Assessment under way	Wholly
44	Orpheus	Pontoon & Tourist Island	Sword Holdings Program	Assessment Pty Ltd	Wholly under way
45	Midge Point	Tourist Resort	Cable Bay Pty Ltd	IAS under review	No

No.	Place	Project Type	Proponent	Current Status of Applications	In the Marine Park
46	Heron Island	Saltwater Intake	Heron Island Pipeline	Permit granted Research Station	Partially
47	Lady Musgrave Is.	Tourist Pontoon	Lady Musgrave Cruises	Renewal assessment under way	Wholly
48	Credlin Reef	Tourist Pontoon	McLeans Roylen Cruises Pty Ltd	Renewal assessment under way	Wholly
49	Keswick Island	Resort Development	Transtate Pty Ltd	Advisory only at this stage	Partially
50	Lady Elliot Island	Vessel Fender System	Lady Elliot Island Holidays Pty Ltd	Assessment under way	Wholly
51	Lady Elliot Island	Navigation Tower	Aust. Maritime Safety Authority	Permit granted	Wholly
52	Middle Island	Underwater Observatory	Mr L J Coleman	Permit granted	Wholly
53	Barren Island	Tourist Pontoon	Capricorn Cruises	Application withdrawn	Wholly
54	St Bees Island	Tourist Resort Development	Whitsunday Island Developments Pty Ltd	Preliminary assessment	Partially
55	Hummock Hill Island	Tourist Resort Development	Walsteam Pty Ltd	IAS under review	Partially
56	Great Keppel Island	Tourist Pontoon	Keppel Tourist Services	Assessment under way	Wholly

