NATURAL HERITAGE TRUST

COASTCARE

NATURAL RESOURCE MANAGEMENT

STATEWIDE and REGIONAL
MARINE CONSERVATION PRIORITIES

DEPARTMENT Of CONSERVATION AND LAND MANAGEMENT

February 2003

NRM STATE PRIORITIES – MARINE CONSERVATION

NRM COASTCARE PRIORITIES	Rangelands	Northern Agriculture	Swan	South-West	South Coast	Statewide
To protect and restore significant marine, coastal and estuarine ecosystems	1. Undertake marine biodiversity survey and social resource assessment of Kimberley and Eucla marine bioregions in relation to the inclusion of these bioregions in the NRSMPA[1] 2. Document the indigenous maritime heritage of Pilbara and Kimberley regions.	1.Undertake marine biodiversity surveys and social resource assessment of the Beagle and Abrolhos islands in relation to the inclusion of these areas in the NRSMPA.	1.Undertake a marine biodiversity survey and social resource assessment of the proosed extension area of Shoalwater Islands Marine Park.		1.Undertake marine biodiversity surveys and social resource assessments of South Coast and marine bioregions in relation to the inclusion of this region in the NRSMPA	1. Develop a rapid marine biodiversity mapping capability with a particular focus on deeper (>20 m) and turbid waters. 2. Facilitate the development of a statewide, publicly accessible database of the State's marine flora and fauna.
To protect and restore the coastal, estuarine and marine habitats of threatened species, ecological communities, migratory shorebirds and waterbirds	1. Undertake population surveys of dugong and sea turtle surveys in the Kimberley 2. Quantify indigenous take of dugong and sea turtle and determine sustainable indigenous take in the Kimberley, Pilbara and Gascoyne regions. 3.Implement a monitoring program of sealions, fur seals and seabirds on islands off the Eucla Coast.	1.Develop and implement a protocol for the monitoring of sealions populations. 2.Implement a long-term monitoring program of sealions and seabirds on islands off the Central West Coast.	1. Develop and implement a protocol for the monitoring of Little penguin populations on Penguin Island. 2. Develop and implement a protocol for the monitoring of migratory bird populations within the Swan Estuary Marine Park	1.Implement a long-term monitoring program of sealions, fur seals and seabirds on islands off the South Coast.	1.Implement a long-term monitoring program of sealions, fur seals and seabirds on islands off the South Coast.	1.Develop a statewide marine wildlife monitoring capability. 2.Formulate and implement statewide marine Wildlife Management Programs for: • Pinnipeds; • Dugong; • Turtles; • Little penguins • Seabirds

[1] NRSMPA = National Representative System of Marine Protected Areas

	4. Implement a long-term monitoring program migratory birds on the Kimberley Coast.					
To prevent and control the introduction of introduced marine pests (IMP)	1. Identify areas of significant disturbance (i.e Ports) and undertake preliminary surveys for IMPs.	1. Identify areas of significant disturbance (i.e Ports) and undertake preliminary surveys for IMPs.	1. Identify areas of significant disturbance (i.e Ports) and undertake preliminary surveys for IMPs.	1. Identify areas of significant disturbance (i.e Ports) and undertake preliminary surveys for IMPs.	1. Identify areas of significant disturbance (i.e Ports) and undertake preliminary surveys for IMPs.	
To establish and effectively manage a CAR system of MPAs	1. Develop and progressively implement a representative system of MCRs in the Kimberley and Eucla areas via a 'bioregional' planning approach 2. Develop and progressively implement a long-term research and monitoring program in the proposed Kimberley, Pilbara and Eucla MCRs and the Shark Bay, Ningaloo and Rowley Shoals marine parks. 3. Develop and progressively implement a long-term marine education program in the proposed Kimberley, Pilbara and Eucla MCRs and	1. Develop and progressively implement a long-term research and monitoring program in the Jurien Bay Marine Park. 2. Establish the Beagle Islands marine conservation reserve under the CALM Act. 3. Establish the Abrolhos Islands marine conservation reserve. 4. Develop and progressively implement a long-term marine education program in the Jurien Bay Marine Park. 5. Develop and progressively implement a long-term public participation	1. Extend the Shoalwater Islands Marine Park as per the MPRSWG[2] report recommendations. 2. Develop and progressively implement a long-term research and monitoring program in the Perth metropolitan Marine Parks. 3. Develop and progressively implement a long-term marine education program in the Perth metropolitan Marine Parks. 4. Develop and progressively implement a long-term public participation program in the Perth metropolitan Marine Parks[3].	1. Establish the 'Capes' MCR[4]. 2. Develop and progressively implement a long-term research and monitoring program in the proposed 'Capes' MCR. 3. Develop and progressively implement a long-term marine education program in the proposed 'Capes' MCR. 4. Develop and progressively implement a long-term public participation program in the proposed 'Capes' MCR.	1. Develop and progressively implement a representative system of MCRs in the South Coast areas via a 'bioregional' planning approach. 2. Develop and progressively implement a long-term research and monitoring program for the South Coast system of MCRs. 3. Develop and progressively implement a long-term marine education program for the South Coast system of MCRs. 4. Develop and progressively	1. Develop a statewide MCR monitoring capability

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[2] MPRSWG = Marine Parks and Reserves Selection Working Group
[3] Metropolitan marine parks = Shoalwater Islands, Marmion and Swan Estuary marine parks

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	the Shark Bay, Ningaloo and Rowley Shoals marine parks. 4. Develop and progressively implement a long-term public participation program in the proposed Kimberley, Pilbara and Eucla MCRs and the Shark Bay, Ningaloo and Rowley Shoals marine parks.	program in the Jurien Bay Marine Park.			implement a long-term public participation program for the South Coast system of MCRs.	
To improve the condition of coastal, estuarine and marine resources that underpin the sustainability of marine-based resource industries	1.Implement a three year baseline water and sediment quality monitoring program in the proposed Kimberley, Pilbara and Eucla MCRs and the Shark Bay, Ningaloo and Rowley Shoals marine parks to determine 'background' conditions 2.Progressively develop the primary ecological[5] and social[6] inventories and baseline datasets required for sustainable management 3. Establish and monitor	1.Implement a three year baseline water and sediment quality monitoring program in the Central West Coast to determine 'background' conditions 2.Progressively develop the primary ecological and social inventories and baseline datasets required for sustainable management 3. Establish and monitor representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes.	1.Progressively develop the primary ecological and social inventories and baseline datasets required for sustainable management 2. Establish and monitor representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 3. Develop Marine Information Systems (including GIS capability)	1.Implement a three year baseline water and sediment quality monitoring program in the 'Capes' area to determine 'background' conditions. 2.Progressively develop the primary ecological and social inventories and baseline datasets required for sustainable management 3. Establish and monitor	1. Implement a three year baseline water and sediment quality monitoring program in the South Coast to determine 'background' conditions. 2.Progressively develop the primary ecological and social inventories and baseline datasets required for sustainable management 3. Establish and monitor	1.Facilitate the development of a statewide, publicly accessible database of the State's historical and current marine and coastal research output. 2.Progressively develop the statewide primary ecological and social inventories and baseline datasets required for sustainable management

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[4] MCR = Marine Conservation Reserve under the CALM Act

[5] Ecological = Physical (eg currents, waves, tides, sea temperature, winds etc); biological (eg marine habitats, communities, species, wildlife distributions etc), chemical (eg sediment and water quality etc), geological (eg geomorphology, sediment type).

[6] Social = aesthetic, scientific, economic and heritage values

	representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop Marine Information Systems (including GIS capability)	4. Develop Marine Information Systems (including GIS capability)		representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop Marine Information Systems (including GIS capability)	representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop Marine Information Systems (including GIS capability)	3. Establish and monitor a statewide system of representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop a statewide Marine Information System (including GIS capability)
To provide landholders , community groups and NR managers with understanding and skills to contribute to biodiversity conservation and sustainable resource management	1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program[7]	1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program	1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program	1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program	1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program	1.Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program 2.Implement a statewide marine conservation education and capacity building program.
To support institutional and organisational frameworks that	1.Promote and facilitate the Milyering Visitor Centre to become a				1. Establish a temperate marine research facility in the	

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[7] The Western Australian Marine Community Monitoring Program was a three year program funded under NHT1, via Coastwest/Coastcare, to build a 'tool-box' to facilitate community involvement in management of the marine and coastal environment.

promote **conservation, ecologically sustainable use and mgt of natural resources**	focus for public education and awareness in the Ningaloo area. 2.Promote and facilitate the Monkey Mia Visitor Centre to become a focus for public education and awareness in the Shark Bay area. 3. Establish a tropical marine research facility in the Exmouth area.				Esperance area.	

	representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop Marine Information Systems (including GIS capability)	4. Develop Marine Information Systems (including GIS capability)		representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop Marine Information Systems (including GIS capability)	representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop Marine Information Systems (including GIS capability)	3. Establish and monitor a statewide system of representative reference sites in undisturbed areas to provide 'benchmarks' to assess human-induced changes. 4. Develop a statewide Marine Information System (including GIS capability)
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Toms, Sandra

From: Chandler, Robert
Sent: Sunday, 23 February 2003 3:59 PM
To: Toms, Sandra
Subject: FW: NHT2 strategic marine priorities - for the rgional plan developments

Sandy file pls
-----Original Message-----
From: D'Adamo, Nick
Sent: Tuesday, 18 February 2003 12:04 PM
To: Kealley, Ian; Gillen, Kelly; Mitchell, Dave; Chandler, Robert; Watson, John; Allan, Judith; Blake, Neil; Done, Chris; Muller, Chris
Cc: Claymore, Keith; Simpson, Chris
Subject: NHT2 strategic marine priorities - for the rgional plan developments

Dear all, some of you may have already received this from Chris

Chris asked me to send the attached document around for your ref.

It is a listing of 'Statewide' and 'Regional' marine conservation priorities, put together by Chris last week, in response to an urgent request from Keith Claymore to develop a listing of priorities that rank highly in terms of 'value' and 'threat/pressure' and which may be considered as uppermost in importance with respect to the incorporation of appropriate strategic marine priorities in the 'regional plans' that are being developed (or which are to be developed) for each of the respective coastal NRM regions (ie Rangelands, Northern Agricultural, Swan, Peel SW, South Coast).

These priorities have been developed to assist CALM staff with a proposed broad direction in relation to the Department's input to the regional strategies.

They were developed very quickly last Thursday and hence any comments would be welcome. Chris is out of the office for this week and so I will be pleased to receive any comments you might have.

The priorities in the attached table are consistent with CALM's and MPRA's broad marine conservation directions.

thanks

Nick

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24/02/03