## NATURAL HERITAGE TRUST COASTCARE

## NATURAL RESOURCE MANAGEMENT

## STATEWIDE and REGIONAL MARINE CONSERVATION PRIORITIES

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

February 2003

NRM	Rangelands	Northern	Swan	South-West	South Coast	Statewide
COASTCARE PRIORITIES		Agriculture				
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 NRSMPA¹ 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

<sup>&</sup>lt;sup>1</sup> NRSMPA = National Representative System of Marine Protected Areas

	T			1	T	1
	4.Implement a long-					
	term monitoring					
	program migratory					
	birds on the					
	Kimberley Coast.					
	1. Identify areas	1. Identify areas of	1. Identify areas of	1. Identify	1. Identify	
To prevent and	of significant	significant	significant	areas of	areas of	
control the	disturbance (i.e	disturbance (i.e	disturbance (i.e	significant	significant	
introduction of	Ports) and	Ports) and undertake	Ports) and undertake	disturbance (i.e	disturbance (i.e	
introduced marine	undertake	preliminary surveys	preliminary surveys	Ports) and	Ports) and	
pests (IMP)	preliminary surveys	for IMPs.	for IMPs.	undertake	undertake	
peses (IIII)	for IMPs.	101 11110.	l tot ims.	preliminary	preliminary	
	TOT IMPS.			surveys for	surveys for	
				IMPs.	_	
	1 Dovolor and	1.Develop and	1. Extend the	1.Establish the	IMPs.	1 Dorrol
	1. Develop and progressively	progressively	Shoalwater Islands	'Capes' MCR <sup>4</sup> .	1.Develop and progressively	1. Develop a statewide MCR
To establish and		implement a long-		Capes MCR.		
effectively manage a	implement a representative	term research and	Marine Park as per the MPRSWG <sup>2</sup> report	2. Develop and	implement a representative	monitoring capability
CAR system of			recommendations.			Capability
MPAs	system of MCRs in	monitoring program	recommendations.	progressively	system of MCRs	
	the Kimberley and	in the Jurien Bay	2 P	implement a	in the South	
	Eucla areas via a	Marine Park.	2. Develop and	long-term	Coast areas via	
	'bioregional'		progressively	research and	a 'bioregional'	
	planning approach	2. Establish the	implement a long-	monitoring	planning	
		Beagle Islands	term research and	program in the	approach.	
	2. Develop and	marine conservation	monitoring program	proposed 'Capes'		
	progressively	reserve under the	in the Perth	MCR.	2. Develop and	
	implement a long-	CALM Act.	metropolitan Marine		progressively	
	term research and		Parks.	3. Develop and	implement a	
	monitoring program	3. Establish the		progressively	long-term	
	in the proposed	Abrolhos Islands	3. Develop and	implement a	research and	
	Kimberley, Pilbara	marine conservation	progressively	long-term marine	monitoring	
	and Eucla MCRs and	reserve.	implement a long-	education	program for the	
	the Shark Bay,		term marine	program in the	South Coast	
	Ningaloo and Rowley	4. Develop and	education program in	proposed 'Capes'	system of MCRs.	
	Shoals marine	progressively	the Perth	MCR.		
	parks.	implement a long-	metropolitan Marine		3. Develop and	
		term marine	Parks.	4. Develop and	progressively	
	3. Develop and	education program in		progressively	implement a	
	progressively	the Jurien Bay	4. Develop and	implement a	long-term marine	
	implement a long-	Marine Park.	progressively	long-term public	education	
	term marine		implement a long-	participation	program for the	
	education program	5. Develop and	term public	program in the	South Coast	
	in the proposed	progressively	participation	proposed 'Capes'	system of MCRs.	Ì
	Kimberley, Pilbara	implement a long-	program in the Perth	MCR.		
	and Eucla MCRs and	term public	metropolitan Marine		4. Develop and	
	and Eucla MCR5 alld	participation	Parks <sup>3</sup> .		progressively	

<sup>&</sup>lt;sup>2</sup> MPRSWG = Marine Parks and Reserves Selection Working Group <sup>3</sup> Metropolitan marine parks = Shoalwater Islands, Marmion and Swan Estuary marine parks

	+1 Cl1- D				Court Tours and	
	the Shark Bay,	program in the			implement a	
1	Ningaloo and Rowley	Jurien Bay Marine			long-term public	
	Shoals marine	Park.			participation	
	parks.				program for the	
					South Coast	
	4. Develop and				system of MCRs.	
	progressively					
	implement a long-					
	term public					
	participation					
	program in the					İ
	proposed Kimberley,					
	Pilbara and Eucla					
	MCRs and the Shark					
	Bay, Ningaloo and					
	Rowley Shoals					
	marine parks.					
To improve the	1.Implement a three	1. Implement a three	1.Progressively	1.Implement a	1. Implement a	1.Facilitate
condition of coastal,	year baseline water	year baseline water	develop the primary	three year	three year	the development
estuarine and marine	and sediment	and sediment quality	ecological and	baseline water	baseline water	of a statewide,
resources that	quality monitoring	monitoring program	social inventories	and sediment	and sediment	publicly
underpin the	program in the	in the Central West	and baseline	quality	quality	accessible
sustainability of	proposed Kimberley,	Coast to determine	datasets required	monitoring	monitoring	database of the
marine-based resource	Pilbara and Eucla	'background'	for sustainable	program in the	program in the	State's
industries	MCRs and the Shark	conditions	management	'Capes' area to	South Coast to	historical and
	Bay, Ningaloo and			determine	determine	current marine
	Rowley Shoals	2.Progressively	2. Establish and	'background'	'background'	and coastal
	marine parks to	develop the primary	monitor	conditions.	conditions.	research
	determine	ecological and	representative			output.
	'background'	social inventories	reference sites in	2.Progressively	2.Progressively	
	conditions	and baseline	undisturbed areas to	develop the	develop the	2.Progressively
		datasets required	provide 'benchmarks'	primary	primary	develop the
	2.Progressively	for sustainable	to assess human-	ecological and	ecological and	statewide
	develop the primary	management	induced changes.	social	social	primary
	ecological <sup>5</sup> and			inventories and	inventories and	ecological and
	social inventories	3. Establish and	3. Develop Marine	baseline	baseline	social
	and baseline	monitor	Information Systems	datasets	datasets	inventories and
	datasets required	representative	(including GIS	required for	required for	baseline
	for sustainable	reference sites in	capability)	sustainable	sustainable	datasets
	management	undisturbed areas to		management	management	required for
	2	provide 'benchmarks'		2 8-4-1-7	2 7-1-1-1-1-1	sustainable
	3. Establish and	to assess human-		3. Establish and	3. Establish and	management
	monitor	induced changes.		monitor	monitor	

<sup>&</sup>lt;sup>4</sup> MCR = Marine Conservation Reserve under the CALM Act <sup>5</sup> 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).

<sup>&</sup>lt;sup>6</sup> Social = aesthetic, scientific, economic and heritage values

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	
To provide landholders, community groups and NR managers with understanding and skills to contribute to biodiversity conservation and sustainable resource management	undisturbed areas to provide 'benchmarks' to assess human- induced changes.  4. Develop Marine Information Systems (including GIS capability)  1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program'	Information Systems (including GIS capability)  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	in undisturbed areas to provide 'benchmarks' to assess humaninduced changes.  4. Develop Marine Information Systems (including GIS capability)  1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program	in undisturbed areas to provide 'benchmarks' to assess humaninduced changes.  4. Develop Marine Information Systems (including GIS capability)  1. Facilitate the involvement of the public in marine conservation and management via the Western Australian Marine Community Monitoring Program	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) 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.
	representative reference sites in	4. Develop Marine		representative reference sites	representative reference sites	3. Establish and monitor a

<sup>&</sup>lt;sup>7</sup>The Western Australian Marine Community Monitoring Program was a three year program funded under NHT1, via Coastwest/Coastcare, to build a 'toolbox' to facilitate community involvement in management of the marine and coastal environment.

promote conservation,	focus for public		Esperance area.	
ecologically	education and			
sustainable use and	awareness in the			
mgt of natural	Ningaloo area.			
resources				
	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.			

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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	representative reference sites in	4. Develop Marine		representative reference sites	representative reference sites	3. Establish and monitor a

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	facilitate the			
	Monkey Mia Visitor			
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	focus for public			
	education and			
	awareness in the			
	Shark Bay area.			
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	tropical marine			
	research facility			
	in the Exmouth			
	area.			

## Toms, Sandra

5W03333 BUN2002F237V01

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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