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Factors that contribute to the establishment of marine protected areas in Western Australia

Andrew Hill
University of Notre Dame Australia

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**APPENDIX 1 Major events in MPA policy and governance in WA (1984–2012)**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>EVENT</th>
<th>SIGNIFICANCE</th>
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</thead>
<tbody>
<tr>
<td>1984</td>
<td>CALM Act enacted</td>
<td>First State legislation to create MPAs</td>
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<tr>
<td>1986</td>
<td>State Government Election</td>
<td>Labor Party retains State Government</td>
</tr>
<tr>
<td>1986</td>
<td>The WA State Government establishes the MPRSWG</td>
<td>This group was an independent scientific committee established to develop recommendations for a state-wide system of MPAs</td>
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<tr>
<td>1987</td>
<td>Ningaloo and Marmion MPs created</td>
<td>First MPAs created in the State</td>
</tr>
<tr>
<td>1989</td>
<td>State Government Election</td>
<td>Labor Party retains State Government</td>
</tr>
<tr>
<td>1989</td>
<td>Ningaloo Marine Park Management Plan approved</td>
<td>First MPA management plan approved in the State</td>
</tr>
<tr>
<td>1990</td>
<td>Engagement with stakeholders with regard to the proposed Abrolhos Island marine parks</td>
<td>Created debate over the legalities and policy approach of establishing MPAs over areas of high economic value for fishing, and over which agency should manage MPAs (i.e., fisheries or conservation agency)</td>
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</tbody>
</table>
| 1990 | Five MPAs created: (Rowley Shoals MP, Shoalwater Islands MP, Swan Estuary MP, Shark Bay MP and Hamelin Pool Marine Nature Reserve) | • Significant group of MPAs created  
• Shark Bay MP created with major public debate and legislative attempt to ‘de-gazette’ the park  
• Shark Bay was the first MPA in state that included significant levels of commercial fisheries  
• Hamelin Pool was the first marine nature reserve created in the State |
| 1991-1992 | Government discussion and debate over MPA policy, legislation and roles of management agencies | Abrolhos MPA proposals stall, pending government debates on vesting and management of MPAs |
| 1993 | State Government Election | Liberal/National Party Coalition wins State Government |
| 1993 | Gazettal of the Federal Governments *Native Title Act 1993* | *The Native Title Act 1994 established new legislative rights surrounding tenure. This imposed new responsibilities, processes and issues surrounding vesting of MPAs* |
| 1994 | *New Horizons* Policy released by WA State Government | Significant policy statement on MPAs setting Government position including:  
• Set direction for significant legislative amendments for a new MPA reserve type, new establishment processes, and creation of a new vesting authority  
• Prohibited drilling for petroleum exploration or production in the Ningaloo Marine Park |
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<td>1994</td>
<td>Release of <em>A Representative Marine System for WA</em></td>
<td>This report was very significant, providing a spatial framework for approximately 70 areas that would provide a representative MPA network for the state. It provided the basis for the development of government priorities for future MPA establishment.</td>
</tr>
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</table>
| 1994   | New state fisheries legislation enacted (*Fish Resources Management Act 1994*) | • Potential for Fisheries to create FHPA (a potential alternative to MPAs under the CALM Act)  
• Government decision to establish the Abrolhos Islands as an MPA under the new FRM Act rather than the CALM Act. |
<p>| 1995   | Abrolhos Islands Fish Habitat Protection Area created under fisheries legislation | This provided an alternative MPA model under fisheries legislation to MPAs created under the CALM Act. |
| 1996   | Formation of a Marine Conservation Branch within the conservation agency | The establishment of a dedicated branch to drive MPA issues with new marine staff and financial resources was a strong statement of the priority of the MPA programme. It also addressed past criticism of inadequate marine expertise supporting the MPA programme. |
| Aug 1997 | CALM Act amended to implement <em>New Horizons</em> policy decisions made public in 1994 | MPRA created, new planning process, new MPA category, IMPs, concurrence. |
| 1997   | <em>Fishing and Related Industries Compensation (Marine Reserves) Act 1997</em> was enacted | First legislation in the state to enable claims for compensation for fishing interests affected by MPA establishment. |
| Dec 1997 | Government announces four priority MPAs to be considered (Jurien Bay, Montebello Complex, Dampier Archipelago and Geographe Bay/Capes) | This signalled the re-commencement of the state processes to create new MPAs in WA, following significant legislative and policy changes. |
| June 1998 | An updated marine policy was released by the WA Government: <em>New Horizons—the way ahead</em> | |
| 1998   | Planning process for the proposed Jurien Bay Marine Park commenced     | First MPA establishment process following the significant amendments to the CALM Act. |
| June 2000 | MPRA Workshop stakeholder and agency workshop to review MPA planning processes | This process resulted in changes to the consultative structures and processes following a review of the Jurien Bay planning process. |
| Oct 2000 | NOI and IMP for the proposed Jurien Bay Marine Park released for public comment | First MPA to be proposed under the revised legislative and policy framework. |</p>
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<tr>
<td>Feb 2001</td>
<td>State Government Election</td>
<td>Labor Party wins government, including key conservation policy positions (including a stop to ‘old growth’ logging)</td>
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<td>Oct 2001</td>
<td>High Court confirmation that native title may exist over marine waters</td>
<td>Implications for MPA vesting</td>
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<tr>
<td>2002</td>
<td>CALM Act Amendment Bill 2002</td>
<td>Amendments to CALM Act cause Parliamentary debate and an unsuccessful attempt by the Greens to remove concurrence powers of the Ministers for Fisheries and Mines for MPA establishment</td>
</tr>
</tbody>
</table>
| Aug 2003   | The Jurien Bay Marine Park was created                                | • First MPA to be created since 1990  
• First MPA to be created under amended CALM Act  
• Significant protest from conservation and recreational fishing groups                                                        |
| Feb 2004   | NOI and IMP for the proposed Montebello/Barrow Islands MPAs           | First proposal for the new MPA category of MMA and MPA proposal in an area of significance for the oil and gas industry                                                                                      |
| Mar 2004   | MPRA Future Priorities Workshop                                       | Workshop to develop advice to government on priorities for the next ‘tier’ of new MPAs in WA                                                                                                               |
| July 2004  | GBRMPA RAP re-zoning decisions                                        | Provided a MPA benchmark in Australia for the proportion, design and criteria for no-take zone networks in MPAs                                                                                              |
| July 2004  | NOI and Indicative/Draft Management Plan released for Ningaloo MP/Muiron Islands MMA |                                                                                                                                                                                                           |
| Dec 2004/early 2005 | Ningaloo Marine Park extended and management arrangements approved | These government decisions concluded a range of MPA planning processes that commenced around 2000. This was significant because:  
• First MPA in a highly used and prospective petroleum area   
• First review and second iteration of a MPA management plan (i.e., Ningaloo MP)  
• Major conservation zones established in a number of MPAs |
<p>| Feb 2005   | State Government Election                                            | Labor Party retains government, with commitments to review MPA policy and process and undertake South Coast Regional Marine Planning                                                                       |</p>
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<tr>
<th>YEAR</th>
<th>EVENT</th>
<th>SIGNIFICANCE</th>
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</table>
| 2005 | Government implements changes to MPA processes and inter-agency structures  
• Ministerial MOU on MPAs  
• Formation of committee to improved inter-agency integration on MPA management and establishment  
• Commitment to undertake regional marine planning | These changes followed the significant debate over the final decisions on Ningaloo Marine Park, and other MPA decisions prior to the February 2005 State election. It was an attempt to address issues arising between conservation and fisheries portfolios in the context of these decisions |
| 2006 | South Coast Regional Marine Planning process commences | First attempt to undertake regional marine planning in the state, as a precursor to MPA establishment |
| Sept 2006 | NOI and IMP for the proposed ‘Capes’ Marine Park | |
| 2007 | Process to consider new Pilbara Reserves commences | These proposed MPAs were identified as important areas for flatback turtles, and linked to environmental offset for the Gorgon project |
| May 2009 | Walpole-Nornalup Inlets Marine Park gazetted | First MPA created since 2005 |
| Sept 2010 | South Coast Regional Marine Plan released for public comment | First regional marine plan in WA |
| Oct 2010 | Government announces commitment to create three new MPAs in the Kimberley region [& NOI and IMP for the proposed Camden Sound MP] | This announcement directed MPA priorities on the Kimberley region for the short to medium term |
| June 2012 | Ngari Capes Marine Park gazetted¹ | This MP triggered significant commercial fishing compensation issues |

¹ Note: this event occurred after the completion of this research project; however, it has been added here for context.
APPENDIX 2 Copy of stakeholder questionnaire

My name is Andrew Hill. I am a student at The University of Notre Dame Australia and I am enrolled in a Doctor of Natural Resource Management. As part of my course I am undertaking a research project entitled; ‘The factors that contribute to the successful establishment of marine conservation reserves in WA’.

My research involves an in-depth review of five Marine Protected Area (MPA) processes that were undertaken by the WA Government to establish MPAs over the last 20 years. The purpose of the study is to gain insights and understanding of the underlying factors that contribute to success or failure of efforts to create MPAs and to establish effective management of these areas.

While not a major component of the study, a limited number of interviews are being undertaken with people who had a key role in these processes to further inform these investigations. Participants will take part in a 50–60 minute tape-recorded interview. Information collected during the interview will be strictly confidential.

The following questions seek general stakeholder views as rated from a stakeholder representative that was closely involved in planning and consultation processes (i.e., you).

You are generally being asked for your understanding of the view of the stakeholder group that you represent/represented during this time (e.g., conservation, recreational fishing, aquaculture, commercial fishing, oil/gas, etc.). It is acknowledged that in some cases there was a range of views; however, what is being asked is the view most generally put forward by that stakeholder group for the specific MPA at the time the process was being run and the MPA established.

The questions comprise two parts:

- A series of questions which you answer by circling the most appropriate response. This can be done before or at the scheduled interview and the researcher can clarify any questions at the interview for you if you don’t understand the question;
- A series of open questions that the researcher will ask you at a scheduled interview. These open questions are to allow a more in-depth response which, with your approval, will be audio-taped to ensure responses are appropriately recorded.

Please answer these to the full extent of your abilities, as your contributions are vital towards achieving the goals of this PhD research. All answers will be kept strictly anonymous. No written reference to individuals or any reference which could identify individuals responding to this survey will be made in the thesis or any publications arising from it.

This research project has been approved by the Notre Dame Human Research Ethics Committee. Should you have any questions arising from this research, please feel free to contact the researcher at 0449251804 or, in his capacity as supervisor, Professor Syd Shea at the University of Notre Dame (sshea@q-net.net.au).
**Part A: SURVEY QUESTIONS**

1. As a general rule how consistent were the views of your *stakeholder group* on the following MPA outcomes? (i.e., was there a strongly aligned position within the group or did the positions of the representatives within the stakeholder group vary?)

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<td>a.</td>
<td>Aligned and consolidated stakeholder position</td>
<td>Reasonably consistent viewpoint</td>
<td>Generally consolidated view, but some vocal outliers</td>
<td>Disparate and wide range of views within stakeholder group</td>
<td>Don’t know</td>
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<td>b.</td>
<td>Aligned and consolidated stakeholder position</td>
<td>Reasonably consistent viewpoint</td>
<td>Generally consolidated view, but some vocal outliers</td>
<td>Disparate and wide range of views within stakeholder group</td>
<td>Don’t know</td>
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<td>c.</td>
<td>Aligned and consolidated stakeholder position</td>
<td>Reasonably consistent viewpoint</td>
<td>Generally consolidated view, but some vocal outliers</td>
<td>Disparate and wide range of views within stakeholder group</td>
<td>Don’t know</td>
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<td>Disparate and wide range of views within stakeholder group</td>
<td>Don’t know</td>
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</tbody>
</table>
2. How would you rate the general level of support of your stakeholder group at the time of gazettal for the outcomes (i.e., MPA reserve categories, boundaries and management zoning) of the following MPA processes?

a. JURIEN BAY MARINE PARK (2003)

<table>
<thead>
<tr>
<th>Rating</th>
<th>Supportive</th>
<th>Accept with some reservations</th>
<th>Opposed</th>
<th>Strongly opposed</th>
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<td>Supportive</td>
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b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

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<th>Rating</th>
<th>Supportive</th>
<th>Accept with some reservations</th>
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c. NINGALOO MARINE PARK (2005)

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d. DAMPIER ARCHIPELAGO/REGNARD IMP 2005 (not yet gazetted); Provide response for time of release of the IMP

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e. NGARI CAPES MARINE PARK (2012)

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3. From your knowledge of the MPA processes below, how do you think your stakeholder group would rate the level and sufficiency of education and information provided by CALM (now DEC) to support the following MPA planning processes?

a. JURIEN BAY MARINE PARK (2003)

<table>
<thead>
<tr>
<th>Education and information</th>
<th>Inadequate</th>
<th>Adequate</th>
<th>Exceeding requirements</th>
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b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

<table>
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<tr>
<th>Education and information</th>
<th>Inadequate</th>
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c. NINGALOO MARINE PARK (2005)

<table>
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<tr>
<th>Education and information</th>
<th>Inadequate</th>
<th>Adequate</th>
<th>Exceeding requirements</th>
<th>Don’t know</th>
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d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP 2005 (not yet gazetted)

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<th>Education and information</th>
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</table>

e. NGARI CAPES MARINE PARK (2012)

<table>
<thead>
<tr>
<th>Education and information</th>
<th>Inadequate</th>
<th>Adequate</th>
<th>Exceeding requirements</th>
<th>Don’t know</th>
</tr>
</thead>
</table>
4. From your knowledge of the MPA processes below, how do you think your stakeholder group would rate the overall level of community consultation undertaken by CALM (now DEC) to support the following MPA planning processes?

| a. JURIEN BAY MARINE PARK (2003) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| c. NINGALOO MARINE PARK (2005) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP 2005 (not yet gazetted) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| e. NGARI CAPES MARINE PARK (2012) | Inadequate | Adequate | Exceeding requirements | Don’t know |

5. From your knowledge of the MPA processes below, how do you think your stakeholder group would rate the general quality and level of information (ecological and socio-economic) available to support the following MPA planning processes?

| a. JURIEN BAY MARINE PARK (2003) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| c. NINGALOO MARINE PARK (2005) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP 2005 (not yet gazetted) | Inadequate | Adequate | Exceeding requirements | Don’t know |
| e. NGARI CAPES MARINE PARK (2012) | Inadequate | Adequate | Exceeding requirements | Don’t know |
6. Did the speed of the following the MPA planning and establishment processes allow your stakeholder group to have meaningful input, or could these have been undertaken more quickly?

a. JURIEN BAY MARINE PARK (2003)

<table>
<thead>
<tr>
<th>Speed of Process</th>
<th>No, it was way too fast</th>
<th>Not really, it was a bit fast</th>
<th>Yes, it was about right</th>
<th>The process was too slow</th>
<th>The process was far too slow</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

<table>
<thead>
<tr>
<th>Speed of Process</th>
<th>Way too fast</th>
<th>Fast</th>
<th>About right</th>
<th>Slow</th>
<th>Far too slow</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

c. NINGALOO MARINE PARK (2005)

<table>
<thead>
<tr>
<th>Speed of Process</th>
<th>Way too fast</th>
<th>Fast</th>
<th>About right</th>
<th>Slow</th>
<th>Far too slow</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

d. DAMPIER ARCHIPELAGO/REGNARD IMP (not yet gazetted)

<table>
<thead>
<tr>
<th>Speed of Process</th>
<th>Way too fast</th>
<th>Fast</th>
<th>About right</th>
<th>Slow</th>
<th>Far too slow</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

e. NGARI CAPES MARINE PARK (2012)

<table>
<thead>
<tr>
<th>Speed of Process</th>
<th>Way too fast</th>
<th>Fast</th>
<th>About right</th>
<th>Slow</th>
<th>Far too slow</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

7. In terms of community and stakeholder interests (i.e., not government), who do you think had a high level of influence on the final MPA outcomes adopted by government (i.e., boundaries and zoning) for the following processes?

(NB: you can circle more than one)

a. JURIEN BAY MARINE PARK (2003)

<table>
<thead>
<tr>
<th>Level of Influence</th>
<th>National representatives</th>
<th>State representatives</th>
<th>Local representatives</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

<table>
<thead>
<tr>
<th>Level of Influence</th>
<th>National representatives</th>
<th>State representatives</th>
<th>Local representatives</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

c. NINGALOO MARINE PARK (2005)

<table>
<thead>
<tr>
<th>Level of Influence</th>
<th>National representatives</th>
<th>State representatives</th>
<th>Local representatives</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP (not yet gazetted)

<table>
<thead>
<tr>
<th>Level of Influence</th>
<th>National representatives</th>
<th>State representatives</th>
<th>Local representatives</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

e. NGARI CAPES MARINE PARK (2012)

<table>
<thead>
<tr>
<th>Level of Influence</th>
<th>National representatives</th>
<th>State representatives</th>
<th>Local representatives</th>
<th>Don’t know</th>
</tr>
</thead>
</table>
8. What level of government do you think had a high level of influence on MPA outcomes (i.e., boundaries and zoning) for the following processes? (NB: you can circle more than one)

a. JURIEN BAY MARINE PARK (2003)

<table>
<thead>
<tr>
<th>Federal Government</th>
<th>State Government</th>
<th>Local Government</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

<table>
<thead>
<tr>
<th>Federal Government</th>
<th>State Government</th>
<th>Local Government</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

c. NINGALOO MARINE PARK (2005)

<table>
<thead>
<tr>
<th>Federal Government</th>
<th>State Government</th>
<th>Local Government</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP (not yet gazetted)

<table>
<thead>
<tr>
<th>Federal Government</th>
<th>State Government</th>
<th>Local Government</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

e. NGARI CAPES MARINE PARK (2012)

<table>
<thead>
<tr>
<th>Federal Government</th>
<th>State Government</th>
<th>Local Government</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

9. What were key concerns and impediments to your stakeholder group providing support for the following MPA processes and outcomes?

a. JURIEN BAY MARINE PARK (2003)

b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

c. NINGALOO MARINE PARK (2005)

d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP (not yet gazetted)

e. NGARI CAPES MARINE PARK (2012)
10. What were the things that *assisted* your stakeholder group in participating and supporting the following MPA processes and outcomes?

a. JURIEN BAY MARINE PARK (2003)

b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

c. NINGALOO MARINE PARK (2005)

d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP (not yet gazetted)

e. NGARI CAPES MARINE PARK (2012)

11. What do you believe were the principal driver(s) of the final MPA outcomes (i.e., MPA reserve categories, boundaries and management zoning)? You can circle more than one.

a. JURIEN BAY MARINE PARK (2003)

<table>
<thead>
<tr>
<th>Biodiversity conservation</th>
<th>Maintaining socio-economic use</th>
<th>National politics</th>
<th>State politics</th>
<th>Local politics</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>__________________________</td>
<td>____________________________</td>
<td>__________________</td>
<td>_______________</td>
<td>_______________</td>
<td>___________</td>
</tr>
</tbody>
</table>

…or other drivers not listed above ________________

b. MONTEBELLO/BARROW ISLANDS MARINE RESERVES (2005)

<table>
<thead>
<tr>
<th>Biodiversity conservation</th>
<th>Maintaining socio-economic use</th>
<th>National politics</th>
<th>State politics</th>
<th>Local politics</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>__________________________</td>
<td>____________________________</td>
<td>__________________</td>
<td>_______________</td>
<td>_______________</td>
<td>___________</td>
</tr>
</tbody>
</table>

…or other drivers not listed above ________________

c. NINGALOO MARINE PARK (2005)

<table>
<thead>
<tr>
<th>Biodiversity conservation</th>
<th>Maintaining socio-economic use</th>
<th>National politics</th>
<th>State politics</th>
<th>Local politics</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>__________________________</td>
<td>____________________________</td>
<td>__________________</td>
<td>_______________</td>
<td>_______________</td>
<td>___________</td>
</tr>
</tbody>
</table>

…or other drivers not listed above ________________

d. DAMPIER ARCHIPELAGO/CAPE REGNARD IMP (not yet gazetted)

<table>
<thead>
<tr>
<th>Biodiversity conservation</th>
<th>Maintaining socio-economic use</th>
<th>National politics</th>
<th>State politics</th>
<th>Local politics</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>__________________________</td>
<td>____________________________</td>
<td>__________________</td>
<td>_______________</td>
<td>_______________</td>
<td>___________</td>
</tr>
</tbody>
</table>

…or other drivers not listed above ________________

e. NGARI CAPES MARINE PARK (2012)

<table>
<thead>
<tr>
<th>Biodiversity conservation</th>
<th>Maintaining socio-economic use</th>
<th>National politics</th>
<th>State politics</th>
<th>Local politics</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>__________________________</td>
<td>____________________________</td>
<td>__________________</td>
<td>_______________</td>
<td>_______________</td>
<td>___________</td>
</tr>
</tbody>
</table>

…or other drivers not listed above ________________
12. From your experience and stakeholder perspective, what do you think should drive processes to develop MPA management zoning?

<table>
<thead>
<tr>
<th>Ecological targets</th>
<th>Socio-economic values</th>
<th>Combination of ecological &amp; socio-economic criteria</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

Other: List ________________________________

13. From your stakeholder perspective, how do you think processes to develop MPA management zoning should be structured?

- ‘Top-down’ driven outcomes (e.g., driven through government science-based or policy targets)
- ‘Bottom-up local community driven outcomes
- A combination of government set targets amended and revised through community input
- Don’t know

Other:

14. Multiple-use MPAs can be created with limited areas designated as ‘no-take’ or sanctuary zones. How would you classify the level of benefits these MPAs would provide in terms of protecting and managing marine biodiversity?

<table>
<thead>
<tr>
<th>None at all</th>
<th>Very little benefit</th>
<th>Reasonable benefits</th>
<th>Many benefits</th>
<th>Very beneficial</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

15. Hypothetically, if a new MPA is established and it is not ‘ideal’ in terms of its boundaries and management zoning to achieve its stated conservation and social objectives, what do you think is an appropriate period for the government to appropriately fine-tune these management arrangements?

<table>
<thead>
<tr>
<th>1 year</th>
<th>1–5 years</th>
<th>5–10 years</th>
<th>10–20 years</th>
<th>20–30 years</th>
<th>Don’t know</th>
</tr>
</thead>
</table>

Any other comments? ____________________________________________________________
Part B: OPEN ENDED QUESTIONS (to be asked in interview)

16. From your knowledge and experience of the MPA processes conducted by the State Government between 1997 and 2012, what do you personally believe were the key problems and flaws with the processes undertaken?

__________________________________________________________________________

17. From your knowledge and experience of the MPA processes conducted by the State Government between 1997 and 2012, what do you personally believe were the positive aspects of the processes undertaken?

__________________________________________________________________________

18. How do you think these MPA processes could have been improved?

__________________________________________________________________________

19. Do you believe that the WA State Government marine agencies worked positively and cooperatively to establish MPAs in this period?

__________________________________________________________________________

20. If not, why do you think this was the case and how could it be improved?

__________________________________________________________________________

21. What do you think are the key inadequacies in terms of the ecological knowledge used to support MPA planning and establishment?

__________________________________________________________________________

22. What do you think are the key inadequacies in terms of the social and economic knowledge used to support MPA planning and establishment?

__________________________________________________________________________

23. Do you believe that marine planning on a regional scale can assist and provide benefits in the planning and establishment of future MPAs? Why do you have this view?

__________________________________________________________________________
APPENDIX 3 ENDNOTES

1 These steps have been developed based on an unpublished agency guide circa 1998 entitled Marine conservation reserves. Initial management planning and reservation process.
2 Media release by the Minister for the Environment, 3 January 1997 (File no. 1997F001693, Folio 26).
3 Media release by the Minister for the Environment, 24 August 1997 (File no. 1997F001693, Folio 174).
6 Notice of Intent under the CALM Act for the creation of the JBMP, Government Gazette, 3 October 2000.
7 MPRA s14 CALM Act report to the Minister for the Environment (File no. 2001F000510, Folio 80).
9 Media statement for Recfishwest, 31 August 2003 (File no. F000507, No folio), quotes from Recfishwest in Midwest Times, 10 September 2003 (File 2002F000942, No folio), North Coast Times, 9 September 2003 (File 2002F000942, No folio), Fishing WA column (File 2002F000942, No folio).
11 Government Gazette, 1 July 2005—Notice approving the management plan for the Jurien Bay Marine Park (File no. 2002F000942V06, Folio not specified).
15 Advertisement in the West Australian newspaper, 15 May 1999 for nominations for the Montebello/Barrow Islands & Dampier Archipelago/Cape Preston advisory committees.
16 Media release by the Hon Cheryl Edwardes, Minister for the Environment (File no. 2000F001239, Folio 181).
17 Extract from Flowline magazine, November 2002, written by APPEA representative.
18 Letter from the Chair of the Advisory Committee to the Minister for the Environment, 28 May 2003 (File 2002F000239V01, No folio).
19 MPRA Section 14 Report to the Minister for the Environment recommending release of the Montebello/Barrow Island marine conservation reserves NOI and IMP for public comment (File 2001F001845V02, Folio 128).
20 MPRA Section 14(6) (a) Report to the Minister for the Environment recommending creation of the Montebello/Barrow Island marine conservation reserves (File 2001F001845V02, Folio 128).
22 Government Gazette No. 73, 10 April 2007.
24 Advertisement in the West Australian newspaper, 15 May 1999 for nominations for the Montebello/Barrow Islands & Dampier Archipelago/Cape Preston advisory committees.
25 Media release by the Hon Cheryl Edwardes, Minister for the Environment (File no. 2000F001239, Folio 181).
26 Formal advice from the Chair of Dampier Archipelago/Cape Preston Advisory Committee to the Minister for the Environment, 3 June 2003 (File 2002F000958V02, Folio 214).
27 MPRA s14 advice to the Minister for the Environment recommending release of the NOI/IMP, 29 August 2003 (File 2002F000958V03, Folio 265).
28 MPRA advice to the Minister for the Environment, 4 February 2004 (DEC electronic archive).
29 Media Release by the Minister for Fisheries and the Local Member for Burrup on 10 December 2004 (File no. 2002F000958V06, No folio).
32 Media statement by the Minister for Fisheries, 7 December 2004 (File no. 2002F000958V06, No folio).
33 Advice from the Chair of Dampier Archipelago/Cape Preston Advisory Committee to the MPRA on the submissions to the IMP, 10 April 2006 (File no. 2002F000958V08, No folio).
36 Minutes of the MPA meeting, 19 April 2001 (Accessed electronically, DEC archive, 27 August 2008).
39 MPRA s14 advice to the Minister for the Environment recommending release of the Ningaloo NOI/IMP, 30 April 2004 (File 2003F000273V05).
43 Government Gazette No 8, 14 January 2005.
46 Memo from CALM to the Minister for the Environment, 8 March 2002 (File no. 2000F00455, Folio 13).
47 Media release by the Minister for the Environment, 1 August 2003 (File no. 2003F003731V01, No folio).
48 Letter from the Chair of the Capes Committee to the Minister for the Environment, 18 August 2004 (File no. 2008/000230-1, No folio).
49 MPRA s14 CALM Act advice to the Minister for the Environment, 30 September 2004 (File no. 2003F003731V04, No folio).
50 MPRA letter to the Minister for the Environment on the proposed Capes MPA, 27 June 2005 (File no. 2003F003739V04, No folio).
51 Letter from the Chair of the Capes Advisory Committee to the Minister for the Environment, 10 April 2006 (File no. 2003F003731V04, No folio).
53 Minutes of the Capes Advisory Committee Meeting, 30 March 2007 (File 2007/001026-2, No folio).
54 Minutes of the Capes Advisory Committee Meeting, 30 March 2007 (File 2007/001026-2, No folio).
55 Minutes of the Capes Advisory Committee Meeting, 30 March 2007 (File 2007/001026-2, No folio).
56 Letter from the Chair of the Capes Advisory Committee Meeting to the Minister for the Environment, 4 May 2007 (File 2007/001026-2, page 1, No folio).
57 Letter from the Chair of the MPRA recommending the establishment of the Capes MPA, 7 August 2007 (File no. 2003F003739V04, pages 2–7, No folio).
58 Conservation agency interview.
59 Based on the researcher’s experience in various meetings and workshops.
60 Based on the author’s experience with the Shark Bay Marine Park planning process.
61 In 1998 there were 611 vessels operating between Exmouth and Augusta (approximately 1,500 km of coast), CALM 1998, Regional Perspectives: Jurien Bay, Perth, Western Australia, Department of Conservation and Land Management.
62 Based on advisory committee minutes, public submissions, the author’s direct role in negotiating with fishing reference groups and associations.
Draft CALM Report summarising the submissions received to the IMP for the proposed Dampier Archipelago/Cape Preston marine protected areas, accessed digitally April 2008.

MPRA s14 advice to the Minister for the Environment recommending release of the NOI/IMP 29 August 2003 (File 2002F000958V03, Folio 265).

Draft CALM Report summarising the submissions received to the IMP for the proposed Dampier Archipelago/Cape Preston marine protected areas, accessed digitally April 2008.


Letter and recommendations to the Executive Director of Fisheries of the Marine Reserves Compensation Working Group (accessed electronically).

In 1998 there were 611 vessels operating between Exmouth and Augusta (approximately 1,500 km of coast). CALM 1998, Regional Perspectives: Jurien Bay, Perth, Western Australia, Department of Conservation and Land Management.

Final Advice of the Capes Advisory Committee to the Minister for the Environment, 13 September 2004 (File 2003F003739V04, page 5, No folio).


Media release by the Minister for the Environment, 3 January 1997 (File no. 1997F001693, Folio 26).

Media release by the Minister for the Environment, 3 January 1997 (File no. 1997F001693, Folio 26).

Letter from CALM to various groups, agencies and individuals, 17 January 1997 (File no. 1997F001693, Folio 56).


Notes on a range of meetings with conservation science and recreational and commercial fishing groups (File no. 19970001693, Folios 428–426).

CALM notes on meeting outcomes with commercial fishers, 12 November 2008 (File no. 1998F001775, Folio 42).

Letter of withdrawal of conservation representative from the Jurien Bay committee (File 2000F000688, Folio 18).

Letter of withdrawal of conservation representative from the Jurien Bay committee (File 2000F000688, Folio 18).

Questionnaire of recreational fishing stakeholder.

Series of letters from the Conservation Council to a variety of government and other groups (File 1998F001775, Folios 110–140).


Position statement on the proposed JBMP by the Central West Coast Professional Fisherman’s Association, 7 December 1999 (File 2000F000688, Folio 139).


NOI under the CALM Act for the creation of the JBMP, Government Gazette 3 October 2000.

Minutes of the MPRA meeting no. 26, 19 April 2001 (accessed electronically at DEC’s Marine Policy and Planning Branch).

Minutes of the MPRA meeting no. 26, 19 April 2001 (accessed electronically at DEC’s Marine Policy and Planning Branch).

MPRA s14 CALM Act report to the Minister for the Environment (File no. 2001F000510, Folio 80).


Letter from the Conservation Council to the Minister for the Environment, 12 July 2001 (File 1998F001775, No folio).
+Daily+Transcripts on 9 November 2008.


Letter from Fisheries WA to the Conservation Council, 14 June 1999, accessed from the researcher’s records.


Letter of withdrawal of the conservation representative from the Jurien Bay committee (File 2000F000688, Folio 18).

Quote from Dandaragan Shire President in the Midwest Times, 17 January 2001 (File 2000F001040, Folio 163).

MPRA Section 14(6)(c) CALM Act, report on the proposed JBMP, 8 May 2001.

MPRA letter to the Minister for the Environment, 18 January 2002 (copy from the researcher’s records).


Media statement for Recfishwest 31 August 2003 (File no. F000507, No folio), quotes from Recfishwest in the Midwest Times, 10 September 2003 (File 2002F000942, No folio), North Coast Times, 9 September 2003 (File 2002F000942, No folio), Fishing WA column (File 2002F000942, No folio).

Media statement from the Conservation Council, 31 August 2003 (File no. F000507, No folio); quotes from the Conservation Council in The Australian, 1 September 2003 (File no. F000507, No folio), Midwest Times, 10 September 2003 (File 2002F000942, No folio); North Coast Times, 9 September 2003 (File 2002F000942, No folio); media statement for Recfishwest, 31 August 2003 (File No. F000507, no folio).

WAFC media release, 1 September 2003 (File F000942V05, No folio).

Hansard record of the debate on the Jurien Marine Park Disallowance Motion, as accessed in File no. 2002F000942V05, Folio not specified).


Submissions from Recfishwest on the Jurien Bay Marine Park IMP, press release at the creation of the park, and interview with recreational fishing stakeholder.

Letter from University of Tasmania marine scientist Dr Graeme Edgar to CALM with respect to the proposed zoning scheme for the JBMP, 23 November 1999 (File no. 2001F000507, No folio).

Interview with conservation representative.

Advertisement in the West Australian newspaper, 15 May 1999 for nominations for the Montebello/Barrow Islands and Dampier Archipelago/Cape Preston advisory committees.

Media release by the Hon Cheryl Edwardes, Minister for the Environment (File no. 2000F001239, Folio 181).

Review of advisory committee minutes, establishment of industry/government working group, development of policy documents and reports, and interviews with state development stakeholder.

Extract from Flowline magazine, November 2002, written by APPEA representative.

Term of Reference for the Government/Industry Working Group (File no. 2001F001845, Folio 1g).

Letter to MPRA from the Chair of the Working Group, 14 July 2003 (File 2002F000239V01, No folio).

Letter from the Chair of the Advisory Committee to the Minister for the Environment, 28 May 2003 (File 2002F000239V01, No folio).


MPRA Section 14 report to the Minister for the Environment recommending release of the Montebello/Barrow Island marine conservation reserves NOI and IMP for public comment (File 2001F001845V02, Folio 128).

MPRA Section 14(6) (a) report to the Minister for the Environment recommending creation of the Montebello/Barrow Island marine conservation reserves (File 2001F001314V09, Folio 131).


Internal CALM memo, 9 November 1998 (File 1998F001549, Folio 16).

Internal CALM memo, 9 November 1998 (File 1998F001549, Folio 16).
Advertisement in the *West Australian* newspaper, 15 May 1999, for nominations for the Montebello/Barrow Islands and Dampier Archipelago/Cape Preston advisory committees.

Media release by the Hon Cheryl Edwardes, Minister for the Environment (File no. 2000F001239, Folio 181).

Formal advice from the Chair of Dampier Archipelago/Cape Preston Advisory Committee to the Minister for the Environment, 3 June 2003 (File 2002F000958V02, Folio 214).

MPRA s14 advice to the Minister for the Environment recommending release of the NOI/IMP, 29 August 2003 (File 2002F000958V03, Folio 265).

MPRA advice to the Minister for the Environment, 4 February 2004 (DEC electronic archive).

Media release by the Minister for Fisheries and the Local Member for Burrup, 10 December 2004 (File no. 2002F000958V06, No folio).


Media statement by the Minister for Fisheries, 7 December 2004 (File no. 2002F000958V06, No folio).

WAFIC submission to the proposed Dampier Archipelago IMP, 10 May 2005 (File no. 2002F000958V07, No folio).

*Dampier fish ban eased but more imposed*, article in the *West Australian* newspaper, 11 December 2004.

News article from the *Pilbara News*, 23 February, 2005.

Advice from the Chair of the Dampier Archipelago/Cape Preston Advisory Committee to the MPRA on the submissions to the IMP, 10 April 2006 (File no. 2002F000958V08, No folio).

Letter from DoIR to DEC, 30 March 2006, regarding Cape Preston (File no. 2002F000958V08, No folio).

Department of Environment and Conservation website, accessed 18 July 2013


Copy of 2001 Labor Party election policy (copy from the researcher’s records).


Minutes of the MPA meeting, 19 April 2001 (accessed electronically, DEC archive 27 August 2008).

Media article; *Reef developers eye April start*; the *West Australian* newspaper, 20 September 2000 (File no. 2000F000970; Folio 111).

Letter to MPRA from the EPA, 5 May 2000 (File no. 2000F000970; Folio 33).


EPA media statement on the Coral Coast Marina proposal, 29 October 2002 (File no. 2004F002018V01, No folio).

Media article, *Lack of faith*; the *West Australian* newspaper, January 2001 (File no. 2004F002018V01, No folio).


Coral Coast Parks Advisory Committee Terms of Reference (including code of conduct), 28 November 2002, accessed electronically, 19 August 2008.


Overview of public submissions received on the preliminary zoning scheme proposed for the Ningaloo Marine Park and proposed southern extension and proposed Muiron Island marine management area, March 2004, CALM internal report, accessed from electronic archive, 3 May 2011.

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MPRA s14 advice to the Minister for the Environment recommending release of the Ningaloo NOI/IMP, 30 April 2004 (File 2003F000273V05).

Summary of consultation activities (File no. 2004F000106V01, No folio).

Media article, Labor speaker threatens to block Ningaloo sanctuary, the West Australian newspaper, 24 November 2004 (Accessed via the West Australian electronic archive).

Media article, Labor MP raps reef plan, the West Australian newspaper, 30 November 2004 (File no. 2004F002018V01, No folio).


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Media article, Coalition vows better Ningaloo compromise, the West Australian newspaper, 10 December 2004 (File no. 2004F002018V02, No folio).

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Letter from Corrs, Chambers & Westgrath to CALM, 13 January 2005 seeking documents associated with a potential legal challenge of the gazettal of new sanctuary zones (File no. 2003F00273V09, No folio).

Letter from Ombudsman Western Australia 4 May 2005 regarding the Ningaloo MP process (File No. 2003F00273V10, no folio)

Government Gazette No. 8, 14 January 2005.


Media release by the Minister for the Environment, 15 Jan 2005 (File no. 2003F00273V09, No folio).

Memo from CALM to Minister for the Environment, 8 March 2002 (File no. 2000F00455, Folio 13).

Media release by the Minister for the Environment, 1 August 2003 (File no. 2003F003731V01, No folio).

Summary of MPRA consultation with key stakeholder representatives, 9 November 2004 (File no. 2003F003739V03, No folio).

Letter from Chair of the Capes Committee to the Minister for the Environment, 18 August 2004 (File no. 2008/000230-1, No folio).

Summary of MPRA consultation with key stakeholder representatives, 9 November 2004 (File no. 2003F003739V03, No folio).

MPRA s14 CALM Act advice to the Minister for the Environment, 30 September 2004 (File no. 2003F003731V04, No folio).


Letter from Chair of the Capes Committee to the Minister for the Environment, 18 August 2004 (File no. 2008/000230-1, No folio).

Letter from ED Fisheries to ED CALM outlining actions undertaken to support the FRICMR Act (File no. 2005F003649V01, No folio).

Estimation of compensation for loss of commercial fishing access in the proposed Geographe Bay/Leeuwin-Naturaliste/Hardy Inlet Marine Park, a draft report prepared for Department of Fisheries by Advanced Choice Economics, Western Australia, January 2006 (accessed electronically from the Fisheries Department, 10 April 2009).

Joint briefing note prepared by Executive Directors of CALM and DoF on the Capes proposal for the Ministers for Environment and Fisheries, 10 April 2006 (2003F003731V04, No folio).
Formal public submissions, SRG submissions and direct involvement with community groups by
the researcher.

Based on review of advisory committee minutes and the researcher’s direct experiences with
Capes, Jurien, Dampier and Ningaloo processes.

Conflicts between surfing activities and rock lobster potting in the Capes process.

Final advice of the Capes Advisory Committee to the Minister for the Environment, 13 September
2004 (File 2003F003739V04, page 5, No folio).

Unpublished report, Jurien Bay marine reserve proposal public participation program: Issues

Progressive reduction in opposition to Dampier draft zoning with three consecutive requests for
comment; also based on the researcher’s observations of community attitudes, concerns and support
for MPAs for the five MPA processes from initiation to final recommendations. This is supported also
by the nature of public submissions, which progressively diminished from opposition to the MPA
establishment, to a focus on the management proposals (e.g., zoning).

Results of agency and stakeholder questionnaire.

Final advice of the Capes Advisory Committee to the Minister for the Environment, 13 September
2004 (File 2003F003739V04, page 6, No folio).

Advisory committee minutes of the five MPA committees.

Advisory Committee Process for the Proposed Montebello/Barrow Islands Marine Conservation

Advisory Committee Process for the Proposed Montebello/Barrow Islands Marine Conservation

Submissions by Recfishwest and WAFIC on the Capes MPA proposal (File 2003F003739V03, No
folios).

Minutes of the Dampier Archipelago/Cape Preston Advisory Committee.

Internal CALM memos seeking resources for Indigenous consultation, 30 August 2001, 6 March
2003 and 27 June 2003 (File 2002F000958V03, Folio 45).

Draft CALM Report summarising the submissions received to the IMP for the proposed Dampier

Formal advice from the Chair of Dampier Archipelago/Cape Preston Advisory Committee to the
Minister for the Environment, 3 June 2003 (File 2002F000958V02, Folio 214).

MPRA s14 advice to the Minister for the Environment recommending release of the NOI/IMP, 29
August 2003 (File 2002F000958V03, Folio 265).

Minutes of the Dampier Archipelago/Cape Preston Advisory Committee.

Summary of presentations of stakeholders to the MPRA on the 8 September 2004 on the Capes
MPA proposal (File 2003F003739V04, No folio).

Questionnaire responses from fishing interests.

The stakeholder concerns about the ‘last minute’ Ningaloo MP zoning amendments were raised in
the Walpole/Nornalup inlets focus group with concerns that the government would overturn the
consensus developed for their local proposal (from the researcher’s notes from focus group meetings).

MPRA advice to the Minister for the Environment recommending creation of the Dampier MPA 1
June 2006 (File no. 2002F000958V08, No folio).

Summary of Recreational Fishing Issues and Consultation for the Proposed Dampier
Archipelago/Cape Preston Marine Conservation Reserves March 2004, CALM internal summary
report (File 2002F000958V05, No folio).

Dampier fish ban eased but more imposed, Article in the West Australian newspaper 11 December
2004.

Interview and questionnaire responses of conservation stakeholder.

Transcript of ABC radio interview with local recreational fishing representative, 9 September 2004
(File No.2004F002018, No folio).

Numerous media articles in December 2004 referring to the belief that the decisions were based on
the desire to capture ‘green votes’ in the upcoming election.
Stakeholder and agency questionnaire responses.

Based on review of advisory committee minutes, number of stakeholder meetings held, and number of public submissions.

Results of questionnaires submitted by stakeholders and agency representatives.


Based on the issues raised in submissions to MPA proposals from statewide marine organisations, compared to locally based people and groups.


Extract from Hansard, Record of the Legislative Council, 6 April 2005 (File no. 2003F000273V10, No folio).

Excerpts from interviews with stakeholders and agencies.

Notes from interviews with stakeholders and agencies.

Advisory committee minutes, agency submissions and interviews with agencies and stakeholders.

Notes from interviews with stakeholders and agencies.

Interviews with fisheries stakeholders and submissions to MPA proposals.

Interviews with conservation stakeholder and submissions to MPA proposals.

Based on the researcher’s involvement in these processes and supported by conservation agency and conservation stakeholder interviews.

Final advice of the Capes Advisory Committee to the Minister for the Environment, 13 September 2004 (File 2003F003739V04, page 5, No folio).

Interview with fisheries agency representative.

Interviews with stakeholders and agency representatives.

Advisory committee minutes.

Copy of 2005 Labor Party election policy, Labor’s plan for our environment (copy from the researcher’s records).

The West Australian, 9 December 2004 (File no. 2003F000273V08, No folio).

Interviews of conservation representative.

Labor’s plan for our environment. Australian Labor Party Election policy 2005 (accessed from the researcher’s hardcopy records).

Interview of conservation agency representative.

Interview of conservation agency representative.

Interviews of recreational fishing stakeholders.

Labor’s plan for our environment. Australian Labor Party Election policy 2005 (accessed from the researcher’s hardcopy records).