MARINE MANAGEMENT SUPPORT:
SHARK BAY

BIOLOGICAL DATA FROM A SURVEY OF THE MAJOR MARINE ECOLOGICAL COMMUNITIES WITHIN SHARK BAY MARINE PARK AND HAMELIN POOL MARINE NATURE RESERVE (18 – 29 MARCH 2002)

Data Report: MMS/SBY/SBA,HPO–58/2002

A collaborative project between the Marine Conservation Branch
and Shark Bay District of the Department of Conservation and Land Management.

Prepared by
K.P. Bancroft & J.A. Davidson

June 2002

Marine Conservation Branch
Department of Conservation and Land Management
47 Henry St
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ACKNOWLEDGEMENTS

Direction

- Gordon Wyre – Acting Director, Nature Conservation Division.
- Dr Chris Simpson - Manager, Marine Conservation Branch (MCB), Nature Conservation Division.

Department of Conservation and Land Management Collaboration

- Kelly Gillen – Manager, Midwest Region.
- David Rose – Manager, Shark Bay District.
- Kevin Crane – Marine Operations Officer, Shark Bay District.
- Richard Hall – Marine Reserves Officer, Shark Bay District.
- David Holley – Marine Zoologist, MCB.

Funding and Resources

- Funding, staff and field equipment for this survey were provided by MCB.
- The Shark Bay District provided other resources including the use of office facilities, a survey vessel and staff.

Cover photograph: Seagrass-Amphibolis Antarctica

This report may be cited as:

Bancroft, K.P. and Davidson, J.A. (2002). Biological data from a survey of the major marine ecological communities within Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve (18–29 March 2002). June 2002. Data Report: MMS/SBY/SBA,HPO–58/2002. Marine Conservation Branch, Department of Conservation and Land Management, Perth, Western Australia. (Unpublished report).

Copies of this report may be obtained from:

Marine Conservation Branch
Department of Conservation and Land Management
47 Henry St., Fremantle, Western Australia, 6160
Ph: 61-8-9336 0100; Fax: 61-8-9430 5408

SUMMARY

This report presents the results of a survey of the marine ecological communities of Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve, undertaken from 18 to 29 March 2002. The Marine Conservation Branch (MCB), in collaboration with the Shark Bay District of the Department of Conservation and Land Management, coordinated the survey.

The main aim of the survey was to improve the knowledge base of the Shark Bay marine reserves marine ecological communities map by obtaining more ground-truth data of areas that are not yet mapped and by verifying the biological and spatial accuracy of areas that are already mapped.

The data acquired during this survey have been incorporated into the MCB's Marine Habitats Database and will contribute to the improvement of the broadscale marine habitat map of the Shark Bay marine reserves. The broadscale marine habitat map is required by the Department to implement a number of important management strategies highlighted in the *Shark Bay Marine Reserves Management Plan 1996-2006* (Department of Conservation and Land Management, 1996). The data will also contribute to the information base required for the long-term management of this internationally significant area.

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LIST OF FIGURES

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1 INTRODUCTION

1.1 GENERAL BACKGROUND

This report presents the results of a marine ecological communities survey which was undertaken in Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve from 18 to 29 March 2002. The survey was coordinated by the Marine Conservation Branch (MCB), in collaboration with the Shark Bay District of the Department of Conservation and Land Management.

Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve were gazetted in 1990. In 1991, in recognition of the area's outstanding universal natural values, Shark Bay was inscribed on the World Heritage List (Department of Conservation and Land Management, 1996). A number of the natural values responsible for the listing of the Shark Bay World Heritage Area are marine habitats that occur within the Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve, such as stromatolites and the Wooramel Bank seagrass meadows. Management strategies outlined in the *Shark Bay Marine Reserves management plan 1996-2006* highlight the need to "*…develop a comprehensive knowledge of habitat distribution and community structure to facilitate management of the marine reserves…*" (Department of Conservation and Land Management, 1996).

To address the basic requirements of these management strategies the MCB has undertaken mapping of the Shark Bay marine reserves marine ecological communities. There is a good understanding of the spatial and temporal extent of perennial seagrass meadows, however very little is known of the extent of other marine ecological communities, such as ephemeral seagrasses, mangals, coral reef communities, stromatolites, subtidal reef platforms, beaches, rocky shores and intertidal reefs. The aim of this project was to address some of these informational deficiencies by verifying and making additions to the broadscale marine habitat map.

The data acquired during this survey have been incorporated into the MCB's Marine Habitats Database and will contribute to the improvement of the broadscale marine habitat map of the Shark Bay marine reserves. The broadscale marine habitat map is required by the Department to implement a number of important management strategies highlighted in the *Shark Bay Marine Reserves Management Plan 1996-2006* (Department of Conservation and Land Management, 1996). The data will also contribute to the information base required for the long-term management of this internationally significant area.

1.2 OBJECTIVES

Primary objectives

The primary objectives of this survey were to:

i) improve the knowledge base of the Shark Bay marine reserves marine habitat map by obtaining more ground-truthing data of the marine ecological communities in areas that are not yet mapped and by verifying the biological and spatial accuracy of areas that are already mapped, and;

ii) obtain more marine benthic habitat ground-truth data for the MCB's Shark Bay dugong *Movements and Community Based Conservation of Dugongs*" (*See* Holley, 2002).

Secondary objective

The secondary objective of this survey is to:

i) opportunistically collect video footage and photographic stills of the marine and coastal habitats of the Shark Bay marine reserves for educational purposes.

2 METHODS

2.1 STUDY AREA

The study area for this field survey lies within Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve, which includes the eastern and western gulfs of Shark Bay and extends north along the coast to Carnarvon (Figure 1).

2.2 SITE SELECTION

Two hundred and seventy nine proposed sites, located within Shark Bay Marine Park and Hamelin Pool Marine Nature reserve, were pre-selected for this survey. These sites were located in areas surrounding Red Cliff Bay, Peron Flats, Lharidon Bight, Hopeless Reach, Hamelin Pool, Freycinet Reach and Disappointment Reach and were chosen in an attempt to rectify the informational deficiencies of the current marine ecological communities map for the Shark Bay marine reserves. The pre-selected sites in Freycinet Bay and North East of Faure Island were selected in collaboration with the MCB's Shark Bay dugong tracking project (Holley, 2002).

In the field weather and tide conditions as well as logistical constraints meant that deviation from the pre-selected sites was necessary.

2.3 SAMPLING METHODOLOGY

At each site a visual observation of the seabed was made using a digital drop-down video camera, which was lowered over the side of the vessel and approximately 30 seconds of video footage of the seabed was recorded. The site number, date, time, water depth, GPS coordinates and habitat description were recorded on pro-forma habitat data sheets for each site (*see* Appendix I). The video footage was reviewed at the field accommodation using a larger video display unit to gather any additional biological information.

Opportunistic collection of video footage for educational purposes was taken using a hand-held video camera whilst snorkelling.

3 RESULTS

A total of 261 sites were surveyed. These sites were all located within Shark Bay Marine Park (Figure 2). The areas that were surveyed are as follows:

- Freycinet Reach (28 sites);
- South Freycinet (31 sites);
- Useless Inlet (5 sites);
- South Passage (52 sites);
- Peron Flats (33 sites);
- Herald Bight (16 sites);
- Red Cliff Bay (52 sites), and;
- Lharidon Bight (44 sites).

Site location, water depth, latitude and longitude for each site is presented in Appendix II.

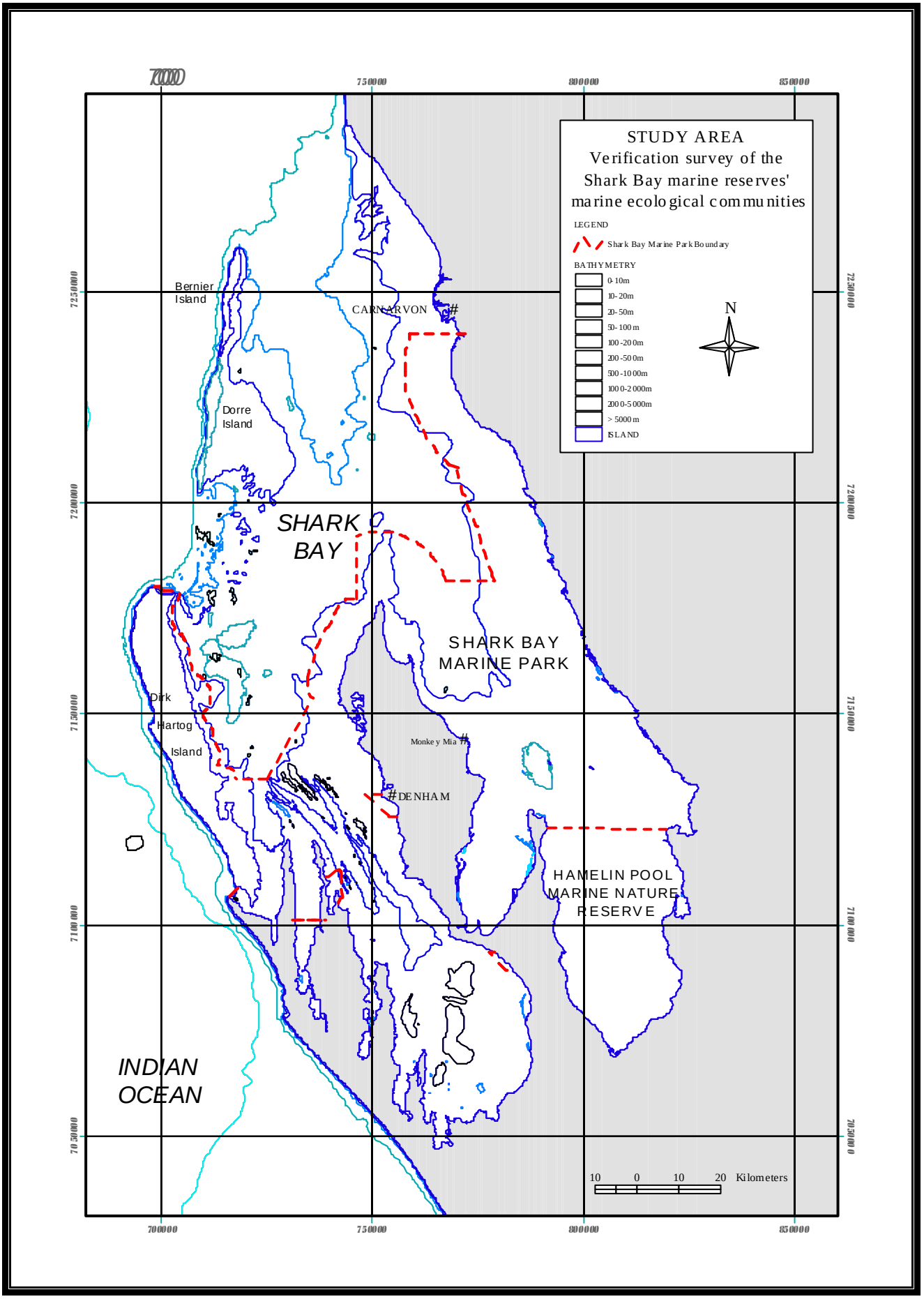

Figure 1: The study areas: Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve

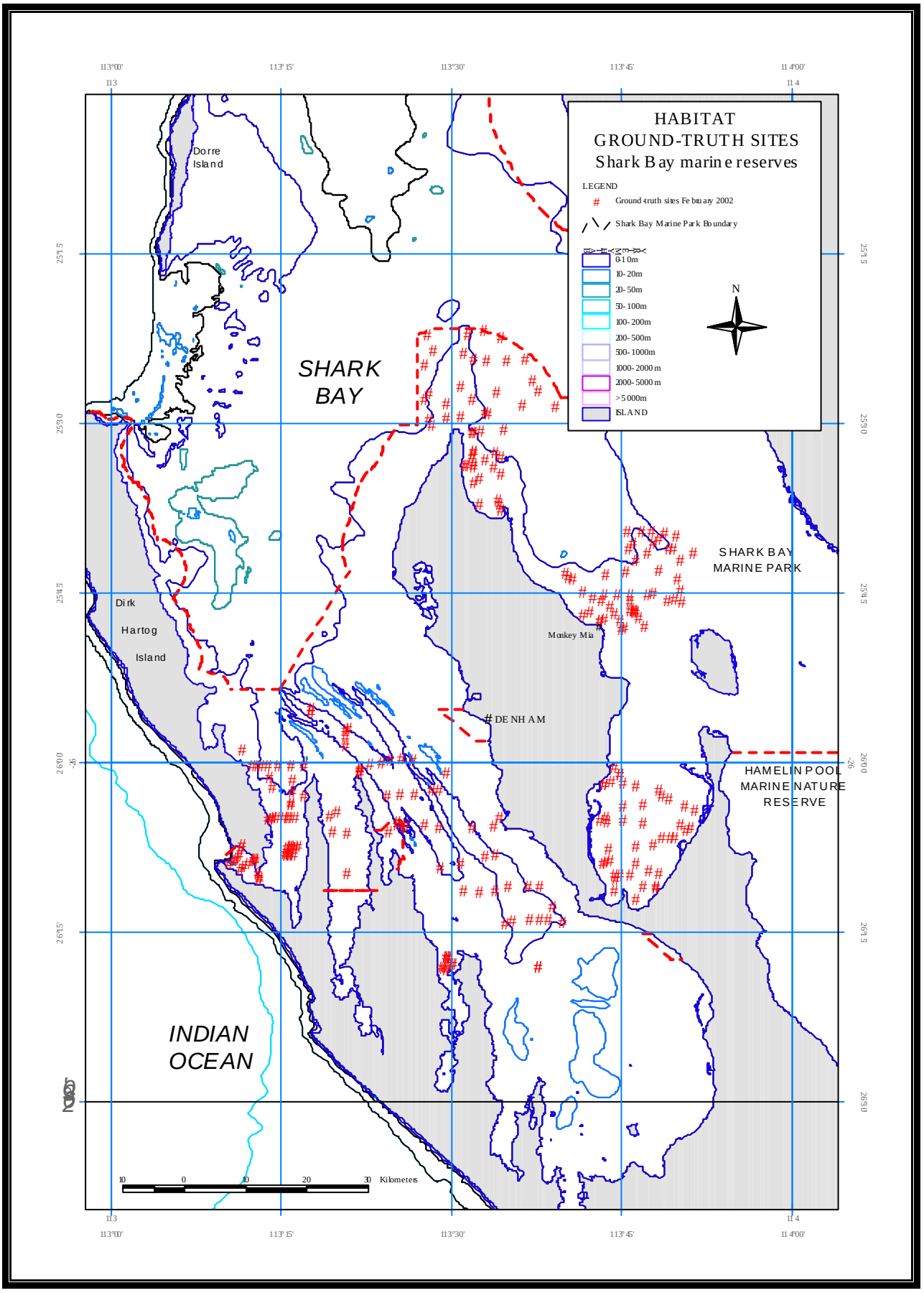

Figure 2: Location of ground-truth sites surveyed in Shark Bay Marine Park between 18th to 29th March 2002

Planned sites in several areas were not surveyed due to weather, tide or logistical considerations. These areas not completed during the survey were:

- Hamelin Pool Marine Nature Reserve;
- Hopeless Reach;
- Useless Channel, and ;
- South Passage.

The draft shallow water marine benthic habitat classification scheme (Bancroft, *in prep*.) was used to broadly classify the marine ecological communities data that was collected during the survey. Fifteen habitats were identified:

- Silt (subtidal);
- Algal mat (subtidal);
- Sand (subtidal);
- Shell (subtidal);
- Shell (subtidal, algal turf);
- Reef pavement (subtidal);
- Filter feeders (subtidal)
- Macroalgae (subtidal, limestone, low relief);
- Coral reef communities (subtidal);
- Coral reef communities (subtidal);
- Ephemeral seagrass (sparse);
- Ephemeral seagrass (medium);
- Perennial seagrass (sparse);
- Perennial seagrass (medium), and;
- Perennial seagrass (dense).

Details for each site, including site number, location, water depth, time, latitude, longitude, biological assemblage and video tape number are presented in Appendix III.

4 DATA MANAGEMENT

4.1 REPORT

Hard copies of this report will be held at the following locations:

1. Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry Street, Fremantle, Western Australia, 6160. Ph: (08) 9336 0100 Fax: (08) 9430 5408.

2. Woodvale Library, Science and Information Division, Ocean Reef Road, Woodvale, Western Australia, 6026. Ph: (08) 9405 5100 Fax: (08) 9306 1641.

3. Archives, Woodvale Library, Science and Information Division, Ocean Reef Road, Woodvale, Western Australia, 6026. Ph: (08) 9405 5100 Fax: (08) 9306 1641.

4. Shark Bay District, Department of Conservation and Land Management, 67 Knight Terrace, Denham, Western Australia, 6537. Ph: (08) 9948 1208 Fax: (08) 9948 1024.

5. Midwest Region, Department of Conservation and Land Management, 193 Marine Terrace, Geraldton, Western Australia, 6530. Ph: (08) 9921 5955 Fax: (08) 9921 5713.

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

1. The Marine Conservation Branch Server:
   Shareddata on 'Calm-frem-1' [T:\144-Marine Conservation Branch\Shared Data\Current_MCB_reports\MMS\mms_5802]

2. MCB Server full backup DAT tape:
   [T:\144-Marine Conservation Branch\Shared Data\Current_MCB_reports\MMS\mms_5802]

3. CD-ROM [MMS_5802]

4. MCB homepage on the Department of Conservation and Land Management Intranet CALMweb:
   http://calmweb.calm.wa.gov.au/drb/ncd/mcb/rep_pdf/mms_reps/mms_2002/mmsrep02.htm#mms_5802

4.2 DATA

Collected marine benthic habitat data has been entered into the Habitats Database, which is located on the Marine Conservation Branch Server: Shareddata on 'Calm-frem-1' [T:\144-Marine Conservation Branch\Shared Data\Databases\Biological inventory\Habitats.mdb]

4.3 VIDEO RECORDS

All mini digital video (MDV) footage collected during the survey, are held at two locations:

1. MDV masters have been archived in HOLD08 at the Information Management Branch, Department of Conservation and Land Management, 17 Dick Perry Avenue, Kensington, Western Australia. Ph: (08) 9334 0392 Fax: (08) 9334 0466.

2. MDV copies have been stored at the Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry Street, Fremantle Western Australia. Ph: (08) 9432 5100 Fax: (08) 9430 5408.

4.4 SLIDE RECORDS

All photographic slides taken during the survey are stored at the Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry Street, Fremantle, Western Australia. Selected slides will be entered into the MCB image library.

5 REFERENCES

Department of Conservation and Land Management, (1996). Shark Bay marine reserves management plan 1996-2006. Management Plan No. 34. A report prepared for the National Parks and Nature Conservation Authority. Department of Conservation and Land Management. Perth, Western Australia.

Bancroft, K.P. (*in prep*.). Developing a shallow water marine benthic habitat classification scheme. Draft report. (Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St., Fremantle, Western Australia, 6160).

Holley, D. (2002). Movements and Community Based Conservation of Shark Bay Dugongs. First Progress Report: MMS/SBY/SBA-55/2002. (Marine Conservation Branch, Department of Conservation and Land Management, 47 Henry St., Fremantle, Western Australia, 6160). Unpublished report.

APPENDICES

APPENDIX I: PRO-FORMA HABITAT DATA SHEET

MARINE CONSERVATION BRANCH

HABITAT MAPPING DATA SHEET

SITE NO.		**LOCATION NAME**	
LAT	……..…..°……..’S	**LONG**	……..…..°……..’E
DGPS/GPS		**DATUM**	
DEPTH (M)		**TIDAL RANGE**	
DATE		**TIME**	
RECORDER		**OBSERVATnMETHOD**	
MPRSWG		**IMCRA BIOREGION**	
SUBSTRATE TYPE		**RELIEF**	
VIDEO TAPE NO	**M.…….. / …… / …… / …… # ……-……../……..** (MCB function) (IMCRA region) (MPRSWG) (DD or HH camera) (number) (MM/YYYY)		
VISUALLY DOMINANT ORGANISM			

DESCRIPTION……

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HABITAT TYPE	

SITE NO.		**LOCATION NAME**	
LAT	……..…..°……..’S	**LONG**	……..…..°……..’E
DGPS/GPS		**DATUM**	
DEPTH (M)		**TIDAL RANGE**	
DATE		**TIME**	
RECORDER		**OBSERVATnMETHOD**	
MPRSWG		**IMCRA BIOREGION**	
SUBSTRATE TYPE		**RELIEF**	
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VISUALLY DOMINANT ORGANISM			

DESCRIPTION……

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HABITAT TYPE	

APPENDIX II: LATITUDE AND LONGITUDE FOR SITES SAMPLED IN SHARK BAY MARINE PARK

Site No.	Location	Latitude	Longitude	Time	Date	GPS type	Datum
SBMR_607	Freycinet Reach	-26.0983	113.52765	0920	19/03/02	GPS	WGS84
SBMR_608	Freycinet Reach	-26.094367	113.55992	0935	19/03/02	GPS	WGS84
SBMR_609	Freycinet Reach	-26.098267	113.48032	0950	19/03/02	GPS	WGS84
SBMR_610	Freycinet Reach	-26.09295	113.45765	1000	19/03/02	GPS	WGS84
SBMR_611	Freycinet Reach	-26.093383	113.43142	1010	19/03/02	GPS	WGS84
SBMR_612	Freycinet Reach	-26.092833	113.41927	1020	19/03/02	GPS	WGS84
SBMR_613	Freycinet Reach	-26.1027	113.40568	1033	19/03/02	GPS	WGS84
SBMR_614	Freycinet Reach	-26.08895	113.41847	1110	19/03/02	GPS	WGS84
SBMR_615	Freycinet Reach	-26.048983	113.40367	1125	19/03/02	GPS	WGS84
SBMR_616	Freycinet Reach	-26.0475	113.42215	1135	19/03/02	GPS	WGS84
SBMR_617	Freycinet Reach	-26.047133	113.44333	1145	19/03/02	GPS	WGS84
SBMR_618	Freycinet Reach	-26.04315	113.46903	1155	19/03/02	GPS	WGS84
SBMR_619	Freycinet Reach	-26.04075	113.47955	1200	19/03/02	GPS	WGS84
SBMR_620	Freycinet Reach	-25.996983	113.44045	1210	19/03/02	GPS	WGS84
SBMR_621	Freycinet Reach	-25.996467	113.42457	1225	19/03/02	GPS	WGS84
SBMR_622	Freycinet Reach	-25.997333	113.40815	1230	19/03/02	GPS	WGS84
SBMR_623	Freycinet Reach	-26.00165	113.39682	1235	19/03/02	GPS	WGS84
SBMR_624	Freycinet Reach	-26.004867	113.37818	1250	19/03/02	GPS	WGS84
SBMR_625	Freycinet Reach	-26.016367	113.3641	1335	19/03/02	GPS	WGS84
SBMR_626	Freycinet Reach	-26.012783	113.3625	1405	19/03/02	GPS	WGS84
SBMR_627	Freycinet Reach	-26.010733	113.36528	1415	19/03/02	GPS	WGS84
SBMR_628	Freycinet Reach	-26.012067	113.365	1417	19/03/02	GPS	WGS84
SBMR_629	Freycinet Reach	-25.9755	113.34277	1430	19/03/02	GPS	WGS84
SBMR_630	Freycinet Reach	-25.96215	113.34353	1435	19/03/02	GPS	WGS84
SBMR_631	Freycinet Reach	-25.952917	113.34313	1445	19/03/02	GPS	WGS84
SBMR_632	Freycinet Reach	-25.951317	113.34798	1450	19/03/02	GPS	WGS84
SBMR_633	Freycinet Reach	-25.928083	113.29143	1500	19/03/02	GPS	WGS84
SBMR_634	Freycinet Reach	-25.920783	113.29047	1515	19/03/02	GPS	WGS84
SBMR_635	Peron Flats	-25.373017	113.56885	0935	20/03/02	GPS	WGS84
SBMR_636	Peron Flats	-25.363983	113.54543	0950	20/03/02	GPS	WGS84
SBMR_637	Peron Flats	-25.369867	113.52178	1000	20/03/02	GPS	WGS84
SBMR_638	Peron Flats	-25.370217	113.46247	1020	20/03/02	GPS	WGS84
SBMR_639	Peron Flats	-25.41395	113.45858	1035	20/03/02	GPS	WGS84
SBMR_640	Peron Flats	-25.392967	113.4718	1045	20/03/02	GPS	WGS84
SBMR_641	Peron Flats	-25.397483	113.51513	1100	20/03/02	GPS	WGS84
SBMR_642	Peron Flats	-25.405767	113.52953	1105	20/03/02	GPS	WGS84
SBMR_643	Peron Flats	-25.4075	113.54903	1115	20/03/02	GPS	WGS84
SBMR_644	Peron Flats	-25.4089	113.57873	1120	20/03/02	GPS	WGS84
SBMR_645	Peron Flats	-25.4059	113.60605	1135	20/03/02	GPS	WGS84
SBMR_646	Peron Flats	-25.436417	113.61612	1140	20/03/02	GPS	WGS84
SBMR_647	Peron Flats	-25.451933	113.62395	1150	20/03/02	GPS	WGS84
SBMR_648	Peron Flats	-25.47625	113.65052	1205	20/03/02	GPS	WGS84
SBMR_649	Peron Flats	-25.474267	113.60368	1215	20/03/02	GPS	WGS84
SBMR_650	Peron Flats	-25.510667	113.57412	1230	20/03/02	GPS	WGS84
SBMR_651	Peron Flats	-25.512367	113.54058	1240	20/03/02	GPS	WGS84
SBMR_652	Peron Flats	-25.513533	113.52785	1245	20/03/02	GPS	WGS84

Site No.	Location	Latitude	Longitude	Time	Date	GPS type	Datum
SBMR_653	Peron Flats	-25.51375	113.52963	1250	20/03/02	GPS	WGS84
SBMR_654	Peron Flats	-25.48445	113.54625	1350	20/03/02	GPS	WGS84
SBMR_655	Peron Flats	-25.484683	113.5517	1355	20/03/02	GPS	WGS84
SBMR_656	Peron Flats	-25.466233	113.5272	1405	20/03/02	GPS	WGS84
SBMR_657	Peron Flats	-25.454167	113.56457	1415	20/03/02	GPS	WGS84
SBMR_658	Peron Flats	-25.445617	113.51115	1430	20/03/02	GPS	WGS84
SBMR_659	Peron Flats	-25.47285	113.49083	1445	20/03/02	GPS	WGS84
SBMR_660	Peron Flats	-25.4573	113.46468	1455	20/03/02	GPS	WGS84
SBMR_661	Peron Flats	-25.465367	113.45712	1500	20/03/02	GPS	WGS84
SBMR_662	Peron Flats	-25.493167	113.4647	1515	20/03/02	GPS	WGS84
SBMR_663	Peron Flats	-25.502617	113.46983	1525	20/03/02	GPS	WGS84
SBMR_664	Peron Flats	-25.491333	113.49197	1535	20/03/02	GPS	WGS84
SBMR_665	Peron Flats	-25.491183	113.5106	1545	20/03/02	GPS	WGS84
SBMR_666	Peron Flats	-25.543883	113.5618	1600	20/03/02	GPS	WGS84
SBMR_667	Peron Flats	-25.549717	113.57155	1615	20/03/02	GPS	WGS84
SBMR_668	Lharidon Bight	-26.00845	113.73822	0930	21/03/02	GPS	WGS84
SBMR_669	Lharidon Bight	-26.0187	113.74722	0935	21/03/02	GPS	WGS84
SBMR_670	Lharidon Bight	-26.032883	113.72367	0945	21/03/02	GPS	WGS84
SBMR_671	Lharidon Bight	-26.032483	113.72275	0950	21/03/02	GPS	WGS84
SBMR_672	Lharidon Bight	-26.02875	113.73278	0955	21/03/02	GPS	WGS84
SBMR_673	Lharidon Bight	-26.019817	113.74727	1000	21/03/02	GPS	WGS84
SBMR_674	Lharidon Bight	-26.030467	113.74948	1005	21/03/02	GPS	WGS84
SBMR_675	Lharidon Bight	-26.036383	113.76867	1015	21/03/02	GPS	WGS84
SBMR_676	Lharidon Bight	-26.0619	113.78043	1020	21/03/02	GPS	WGS84
SBMR_677	Lharidon Bight	-26.066067	113.74903	1035	21/03/02	GPS	WGS84
SBMR_678	Lharidon Bight	-26.081317	113.72413	1045	21/03/02	GPS	WGS84
SBMR_679	Lharidon Bight	-26.085633	113.71707	1050	21/03/02	GPS	WGS84
SBMR_680	Lharidon Bight	-26.086867	113.72583	1100	21/03/02	GPS	WGS84
SBMR_681	Lharidon Bight	-26.086517	113.74917	1110	21/03/02	GPS	WGS84
SBMR_682	Lharidon Bight	-26.091167	113.7807	1120	21/03/02	GPS	WGS84
SBMR_683	Lharidon Bight	-26.1297	113.72837	1135	21/03/02	GPS	WGS84
SBMR_684	Lharidon Bight	-26.146083	113.73002	1145	21/03/02	GPS	WGS84
SBMR_685	Lharidon Bight	-26.147433	113.72448	1150	21/03/02	GPS	WGS84
SBMR_686	Lharidon Bight	-26.149283	113.72037	1155	21/03/02	GPS	WGS84
SBMR_687	Lharidon Bight	-26.168467	113.73665	1205	21/03/02	GPS	WGS84
SBMR_688	Lharidon Bight	-26.190217	113.73788	1215	21/03/02	GPS	WGS84
SBMR_689	Lharidon Bight	-26.17335	113.73962	1225	21/03/02	GPS	WGS84
SBMR_690	Lharidon Bight	-26.168567	113.74712	1230	21/03/02	GPS	WGS84
SBMR_691	Lharidon Bight	-26.16705	113.7596	1240	21/03/02	GPS	WGS84
SBMR_692	Lharidon Bight	-26.18215	113.77987	1250	21/03/02	GPS	WGS84
SBMR_693	Lharidon Bight	-26.202067	113.76785	1255	21/03/02	GPS	WGS84
SBMR_694	Lharidon Bight	-26.18595	113.79845	1350	21/03/02	GPS	WGS84
SBMR_695	Lharidon Bight	-26.18425	113.79755	1355	21/03/02	GPS	WGS84
SBMR_696	Lharidon Bight	-26.165117	113.80343	1400	21/03/02	GPS	WGS84
SBMR_697	Lharidon Bight	-26.16185	113.78813	1410	21/03/02	GPS	WGS84
SBMR_698	Lharidon Bight	-26.150217	113.77062	1420	21/03/02	GPS	WGS84
SBMR_699	Lharidon Bight	-26.123783	113.76878	1430	21/03/02	GPS	WGS84
SBMR_700	Lharidon Bight	-26.122517	113.79548	1440	21/03/02	GPS	WGS84
SBMR_701	Lharidon Bight	-26.11105	113.8069	1450	21/03/02	GPS	WGS84
SBMR_702	Lharidon Bight	-26.112933	113.8197	1455	21/03/02	GPS	WGS84
SBMR_703	Lharidon Bight	-26.113133	113.8254	1500	21/03/02	GPS	WGS84
SBMR_704	Lharidon Bight	-26.100283	113.84312	1505	21/03/02	GPS	WGS84
SBMR_705	Lharidon Bight	-26.095917	113.8499	1515	21/03/02	GPS	WGS84
SBMR_706	Lharidon Bight	-26.093067	113.83497	1520	21/03/02	GPS	WGS84
SBMR_707	Lharidon Bight	-26.071533	113.85522	1525	21/03/02	GPS	WGS84
SBMR_708	Lharidon Bight	-26.065633	113.84218	1535	21/03/02	GPS	WGS84

Site No.	Location	Latitude	Longitude	Time	Date	GPS type	Datum
SBMR_709	Lharidon Bight	-26.055	113.8159	1545	21/03/02	GPS	WGS84
SBMR_710	Lharidon Bight	-26.04895	113.80678	1550	21/03/02	GPS	WGS84
SBMR_711	Lharidon Bight	-26.04065	113.80343	1600	21/03/02	GPS	WGS84
SBMR_712	Herald Bight	-25.575717	113.56923	0930	22/03/02	GPS	WGS84
SBMR_713	Herald Bight	-25.564033	113.55892	0940	22/03/02	GPS	WGS84
SBMR_714	Herald Bight	-25.553683	113.54882	0950	22/03/02	GPS	WGS84
SBMR_715	Herald Bight	-25.549983	113.52798	0955	22/03/02	GPS	WGS84
SBMR_716	Herald Bight	-25.542483	113.5296	1000	22/03/02	GPS	WGS84
SBMR_717	Herald Bight	-25.543583	113.5308	1005	22/03/02	GPS	WGS84
SBMR_718	Herald Bight	-25.560683	113.53112	1015	22/03/02	GPS	WGS84
SBMR_719	Herald Bight	-25.562167	113.51953	1025	22/03/02	GPS	WGS84
SBMR_720	Herald Bight	-25.5618	113.51833	1030	22/03/02	GPS	WGS84
SBMR_721	Herald Bight	-25.563417	113.53022	1040	22/03/02	GPS	WGS84
SBMR_722	Herald Bight	-25.580967	113.53997	1100	22/03/02	GPS	WGS84
SBMR_723	Herald Bight	-25.5886	113.52945	1105	22/03/02	GPS	WGS84
SBMR_724	Herald Bight	-25.620717	113.53963	1205	22/03/02	GPS	WGS84
SBMR_725	Herald Bight	-25.627133	113.57193	1240	22/03/02	GPS	WGS84
SBMR_726	Herald Bight	-25.618233	113.56755	1250	22/03/02	GPS	WGS84
SBMR_727	Herald Bight	-25.613167	113.566	1255	22/03/02	GPS	WGS84
SBMR_728	Red Cliff Bay	-25.753867	113.72295	0835	24/03/02	GPS	WGS84
SBMR_729	Red Cliff Bay	-25.752833	113.74145	0845	24/03/02	GPS	WGS84
SBMR_730	Red Cliff Bay	-25.752017	113.75973	0855	24/03/02	GPS	WGS84
SBMR_731	Red Cliff Bay	-25.753733	113.78438	0905	24/03/02	GPS	WGS84
SBMR_732	Red Cliff Bay	-25.749967	113.79375	0910	24/03/02	GPS	WGS84
SBMR_733	Red Cliff Bay	-25.762483	113.81515	0920	24/03/02	GPS	WGS84
SBMR_734	Red Cliff Bay	-25.7633	113.8362	0925	24/03/02	GPS	WGS84
SBMR_735	Red Cliff Bay	-25.758267	113.82595	0930	24/03/02	GPS	WGS84
SBMR_736	Red Cliff Bay	-25.74685	113.83333	0935	24/03/02	GPS	WGS84
SBMR_737	Red Cliff Bay	-25.729983	113.82947	0945	24/03/02	GPS	WGS84
SBMR_738	Red Cliff Bay	-25.7176	113.80405	0955	24/03/02	GPS	WGS84
SBMR_739	Red Cliff Bay	-25.703067	113.83393	1005	24/03/02	GPS	WGS84
SBMR_740	Red Cliff Bay	-25.692033	113.8537	1010	24/03/02	GPS	WGS84
SBMR_741	Red Cliff Bay	-25.6858	113.81685	1020	24/03/02	GPS	WGS84
SBMR_742	Red Cliff Bay	-25.685467	113.82277	1030	24/03/02	GPS	WGS84
SBMR_743	Red Cliff Bay	-25.685833	113.7585	1035	24/03/02	GPS	WGS84
SBMR_744	Red Cliff Bay	-25.66695	113.8277	1050	24/03/02	GPS	WGS84
SBMR_745	Red Cliff Bay	-25.66265	113.81142	1100	24/03/02	GPS	WGS84
SBMR_746	Red Cliff Bay	-25.670283	113.80317	1105	24/03/02	GPS	WGS84
SBMR_747	Red Cliff Bay	-25.6771	113.79358	1110	24/03/02	GPS	WGS84
SBMR_748	Red Cliff Bay	-25.65995	113.79188	1120	24/03/02	GPS	WGS84
SBMR_749	Red Cliff Bay	-25.660167	113.7768	1125	24/03/02	GPS	WGS84
SBMR_750	Red Cliff Bay	-25.661017	113.75698	1135	24/03/02	GPS	WGS84
SBMR_751	Red Cliff Bay	-25.677033	113.76522	1145	24/03/02	GPS	WGS84
SBMR_752	Red Cliff Bay	-25.691617	113.7851	1150	24/03/02	GPS	WGS84
SBMR_753	Red Cliff Bay	-25.70195	113.76795	1200	24/03/02	GPS	WGS84
SBMR_754	Red Cliff Bay	-25.719717	113.75357	1210	24/03/02	GPS	WGS84
SBMR_755	Red Cliff Bay	-25.724083	113.725	1215	24/03/02	GPS	WGS84
SBMR_756	Red Cliff Bay	-25.72825	113.6772	1230	24/03/02	GPS	WGS84
SBMR_757	Red Cliff Bay	-25.72655	113.67023	1235	24/03/02	GPS	WGS84
SBMR_758	Red Cliff Bay	-25.72175	113.66717	1240	24/03/02	GPS	WGS84
SBMR_759	Red Cliff Bay	-25.77725	113.76583	1420	24/03/02	GPS	WGS84
SBMR_760	Red Cliff Bay	-25.787967	113.7729	1430	24/03/02	GPS	WGS84
SBMR_761	Red Cliff Bay	-25.801217	113.78183	1435	24/03/02	GPS	WGS84
SBMR_762	Red Cliff Bay	-25.803983	113.74818	1445	24/03/02	GPS	WGS84
SBMR_763	Red Cliff Bay	-25.802567	113.75117	1450	24/03/02	GPS	WGS84
SBMR_764	Red Cliff Bay	-25.790383	113.74408	1455	24/03/02	GPS	WGS84

Site No.	Location	Latitude	Longitude	Time	Date	GPS type	Datum
SBMR_765	Red Cliff Bay	-25.78145	113.73895	1500	24/03/02	GPS	WGS84
SBMR_766	Red Cliff Bay	-25.770383	113.73007	1505	24/03/02	GPS	WGS84
SBMR_767	Red Cliff Bay	-25.777983	113.75935	1510	24/03/02	GPS	WGS84
SBMR_768	Red Cliff Bay	-25.77675	113.7646	1515	24/03/02	GPS	WGS84
SBMR_769	Red Cliff Bay	-25.77875	113.76772	1520	24/03/02	GPS	WGS84
SBMR_770	Red Cliff Bay	-25.779817	113.76643	1525	24/03/02	GPS	WGS84
SBMR_771	Red Cliff Bay	-25.7648	113.75905	1530	24/03/02	GPS	WGS84
SBMR_772	Red Cliff Bay	-25.762683	113.71823	1540	24/03/02	GPS	WGS84
SBMR_773	Red Cliff Bay	-25.758217	113.70533	1545	24/03/02	GPS	WGS84
SBMR_774	Red Cliff Bay	-25.74915	113.6921	1550	24/03/02	GPS	WGS84
SBMR_775	Red Cliff Bay	-25.778533	113.70132	1555	24/03/02	GPS	WGS84
SBMR_776	Red Cliff Bay	-25.784133	113.69017	1605	24/03/02	GPS	WGS84
SBMR_777	Red Cliff Bay	-25.79235	113.71582	1620	24/03/02	GPS	WGS84
SBMR_778	Red Cliff Bay	-25.79155	113.71732	1625	24/03/02	GPS	WGS84
SBMR_779	Red Cliff Bay	-25.7884	113.7225	1630	24/03/02	GPS	WGS84
SBMR_780	South Freycinet	-26.13535	113.56118	0925	25/03/02	GPS	WGS84
SBMR_781	South Freycinet	-26.140083	113.5466	0935	25/03/02	GPS	WGS84
SBMR_782	South Freycinet	-26.148883	113.51125	0950	25/03/02	GPS	WGS84
SBMR_783	South Freycinet	-26.01528	113.48968	0955	25/03/02	GPS	WGS84
SBMR_784	South Freycinet	-26.156883	113.48177	1000	25/03/02	GPS	WGS84
SBMR_785	South Freycinet	-26.190083	113.51475	1015	25/03/02	GPS	WGS84
SBMR_786	South Freycinet	-26.192833	113.53732	1025	25/03/02	GPS	WGS84
SBMR_787	South Freycinet	-26.189517	113.56333	1030	25/03/02	GPS	WGS84
SBMR_788	South Freycinet	-26.184533	113.58103	1035	25/03/02	GPS	WGS84
SBMR_789	South Freycinet	-26.185	113.6104	1045	25/03/02	GPS	WGS84
SBMR_790	South Freycinet	-26.18495	113.62825	1055	25/03/02	GPS	WGS84
SBMR_791	South Freycinet	-26.21245	113.64632	1105	25/03/02	GPS	WGS84
SBMR_792	South Freycinet	-26.23655	113.6616	1110	25/03/02	GPS	WGS84
SBMR_793	South Freycinet	-26.233167	113.64042	1120	25/03/02	GPS	WGS84
SBMR_794	South Freycinet	-26.232433	113.62762	1125	25/03/02	GPS	WGS84
SBMR_795	South Freycinet	-26.232633	113.61268	1132	25/03/02	GPS	WGS84
SBMR_796	South Freycinet	-26.23495	113.58855	1140	25/03/02	GPS	WGS84
SBMR_797	South Freycinet	-26.238383	113.57693	1150	25/03/02	GPS	WGS84
SBMR_798	South Freycinet	-26.288183	113.49222	1230	25/03/02	GPS	WGS84
SBMR_799	South Freycinet	-26.303	113.48257	1330	25/03/02	GPS	WGS84
SBMR_800	South Freycinet	-26.304383	113.48622	1415	25/03/02	GPS	WGS84
SBMR_801	South Freycinet	-26.305933	113.48928	1420	25/03/02	GPS	WGS84
SBMR_802	South Freycinet	-26.2984	113.49517	1430	25/03/02	GPS	WGS84
SBMR_803	South Freycinet	-26.298283	113.49793	1435	25/03/02	GPS	WGS84
SBMR_804	South Freycinet	-26.298333	113.50097	1440	25/03/02	GPS	WGS84
SBMR_805	South Freycinet	-26.289817	113.49358	1450	25/03/02	GPS	WGS84
SBMR_806	South Freycinet	-26.288283	113.49078	1456	25/03/02	GPS	WGS84
SBMR_807	South Freycinet	-26.287583	113.489	1500	25/03/02	GPS	WGS84
SBMR_808	South Freycinet	-26.302583	113.62603	1550	25/03/02	GPS	WGS84
SBMR_809	South Freycinet	-26.302583	113.62603	1551	25/03/02	GPS	WGS84
SBMR_810	South Freycinet	-26.080267	113.56858	1625	25/03/02	GPS	WGS84
SBMR_811	South Passage	-26.005717	113.28033	0825	26/03/02	GPS	WGS84
SBMR_812	South Passage	-26.006217	113.263	0830	26/03/02	GPS	WGS84
SBMR_813	South Passage	-26.006133	113.24517	0835	26/03/02	GPS	WGS84
SBMR_814	South Passage	-26.005617	113.22748	0845	26/03/02	GPS	WGS84
SBMR_815	South Passage	-26.005267	113.21708	0850	26/03/02	GPS	WGS84
SBMR_816	South Passage	-26.005667	113.21377	0855	26/03/02	GPS	WGS84
SBMR_817	South Passage	-26.006583	113.20655	0900	26/03/02	GPS	WGS84
SBMR_818	South Passage	-26.02195	113.23107	0910	26/03/02	GPS	WGS84
SBMR_819	South Passage	-26.038317	113.23423	0920	26/03/02	GPS	WGS84
SBMR_820	South Passage	-26.02835	113.26455	0930	26/03/02	GPS	WGS84

Site No.	Location	Latitude	Longitude	Time	Date	GPS type	Datum
SBMR_821	South Passage	-26.044283	113.26465	0935	26/03/02	GPS	WGS84
SBMR_822	South Passage	-26.048683	113.28155	0950	26/03/02	GPS	WGS84
SBMR_823	South Passage	-26.061467	113.26328	1005	26/03/02	GPS	WGS84
SBMR_824	South Passage	-26.063067	113.26248	1010	26/03/02	GPS	WGS84
SBMR_825	South Passage	-26.082217	113.26927	1015	26/03/02	GPS	WGS84
SBMR_826	South Passage	-26.081433	113.26122	1020	26/03/02	GPS	WGS84
SBMR_827	South Passage	-26.08115	113.25738	1025	26/03/02	GPS	WGS84
SBMR_828	South Passage	-26.081233	113.25188	1030	26/03/02	GPS	WGS84
SBMR_829	South Passage	-26.08225	113.24087	1035	26/03/02	GPS	WGS84
SBMR_830	South Passage	-26.0835	113.23788	1040	26/03/02	GPS	WGS84
SBMR_831	South Passage	-26.08385	113.2323	1042	26/03/02	GPS	WGS84
SBMR_832	South Passage	-26.084533	113.22977	1045	26/03/02	GPS	WGS84
SBMR_833	South Passage	-26.084867	113.23272	1055	26/03/02	GPS	WGS84
SBMR_834	South Passage	-26.124667	113.27218	1110	26/03/02	GPS	WGS84
SBMR_835	South Passage	-26.125867	113.26797	1115	26/03/02	GPS	WGS84
SBMR_836	South Passage	-26.125283	113.26433	1120	26/03/02	GPS	WGS84
SBMR_837	South Passage	-26.124917	113.26203	1125	26/03/02	GPS	WGS84
SBMR_838	South Passage	-26.124767	113.25895	1130	26/03/02	GPS	WGS84
SBMR_839	South Passage	-26.125867	113.25638	1132	26/03/02	GPS	WGS84
SBMR_840	South Passage	-26.1346	113.25465	1135	26/03/02	GPS	WGS84
SBMR_841	South Passage	-26.13525	113.25657	1137	26/03/02	GPS	WGS84
SBMR_842	South Passage	-26.135767	113.25637	1140	26/03/02	GPS	WGS84
SBMR_843	South Passage	-26.133867	113.25902	1145	26/03/02	GPS	WGS84
SBMR_844	South Passage	-26.135717	113.25898	1150	26/03/02	GPS	WGS84
SBMR_845	South Passage	-26.136067	113.26237	1155	26/03/02	GPS	WGS84
SBMR_846	South Passage	-26.136783	113.26528	1200	26/03/02	GPS	WGS84
SBMR_847	South Passage	-26.12355	113.1904	1420	26/03/02	GPS	WGS84
SBMR_848	South Passage	-26.13	113.18917	1450	26/03/02	GPS	WGS84
SBMR_849	South Passage	-26.1362	113.18615	1452	26/03/02	GPS	WGS84
SBMR_850	South Passage	-26.14225	113.18187	1455	26/03/02	GPS	WGS84
SBMR_851	South Passage	-26.145967	113.17848	1500	26/03/02	GPS	WGS84
SBMR_852	South Passage	-26.15	113.1734	1502	26/03/02	GPS	WGS84
SBMR_853	South Passage	-26.1574	113.18718	1505	26/03/02	GPS	WGS84
SBMR_854	South Passage	-26.15455	113.19192	1510	26/03/02	GPS	WGS84
SBMR_855	South Passage	-26.149983	113.19888	1515	26/03/02	GPS	WGS84
SBMR_856	South Passage	-26.1448	113.20773	1520	26/03/02	GPS	WGS84
SBMR_857	South Passage	-26.144117	113.20932	1525	26/03/02	GPS	WGS84
SBMR_858	South Passage	-26.146217	113.20988	1530	26/03/02	GPS	WGS84
SBMR_859	South Passage	-26.165	113.21467	1535	26/03/02	GPS	WGS84
SBMR_860	South Passage	-26.1705	113.2158	1540	26/03/02	GPS	WGS84
SBMR_861	South Passage	-26.173283	113.2155	1550	26/03/02	GPS	WGS84
SBMR_862	Useless Inlet	-26.164717	113.34512	1200	27/03/02	GPS	WGS84
SBMR_863	Useless Inlet	-26.1044	113.34468	1215	27/03/02	GPS	WGS84
SBMR_864	Useless Inlet	-26.10325	113.32248	1220	27/03/02	GPS	WGS84
SBMR_865	Useless Inlet	-26.074033	113.33017	1240	27/03/02	GPS	WGS84
SBMR_866	Useless Inlet	-26.0796	113.31887	1300	27/03/02	GPS	WGS84
SBMR_867	Sunto's Coral	-25.9825	113.19083	1500	27/03/02	GPS	WGS84

APPENDIX III: MARINE ECOLOGICAL COMMUNITY DATA FOR THE SITES SAMPLED IN SHARK BAY MARINE PARK

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0607	SBMR_001	Freycinet Reach	Sand (subtidal)	Sand	-26.09830	113.52765	-12	0920	Sand, shell grit, some sponges and wrack.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0608	SBMR_002	Freycinet Reach	Reef pavement (subtidal)	Sand/ pavement	-26.09437	113.55992	-13	0935	Sand, wrack, sparse filter feeders (octocoral, sponges) and coral.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0609	SBMR_003	Freycinet Reach	Reef pavement (subtidal)	Sand	-26.09827	113.48032	-12.5	0950	Sand, sparse filter feeders (sponges, octocoral), some macroalgae, wrack and some seagrass (Amphibolis).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0610	SBMR_004	Freycinet Reach	Sand (subtidal)	Sand	-26.09295	113.45765	-14.1	1000	Sand, shell grit, wrack, some macroalgae, few filter feeders (sponge and ascidian) and some corals.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0611	SBMR_005	Freycinet Reach	Sand (subtidal)	Sand	-26.09338	113.43142	-11.6	1010	Sand, some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0612	SBMR_006	Freycinet Reach	Ephemeral seagrass (sparse)	Sand	-26.09283	113.41927	-8	1020	Sand, Sparse Halophila spinulosa, seagrass detritus, very sparse Halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0613	SBMR_007	Freycinet Reach	Perennial seagrass (dense)	Sand	-26.10270	113.40568	-0.4	1033	Dense Posidonia.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0614	SBMR_008	Freycinet Reach	Sand (subtidal)	Sand	-26.08895	113.41847	-11	1110	Sand and some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0615	SBMR_009	Freycinet Reach	Reef pavement (subtidal)	Sand	-26.04898	113.40367	-11.4	1125	Sand and sparse filter feeders (sponge, octocoral, sea anemone), some coral (Turbinaria), some seagrass detritus and some macroalgae (Penicillus).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0616	SBMR_10	Freycinet Reach	Sand (subtidal)	Sand	-26.04750	113.42215	-14.6	1135	Sand, shell grit, some detritus and sponge.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0617	SBMR_011	Freycinet Reach	Sand (subtidal)	Sand	-26.04713	113.44333	-12.8	1145	Sand and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0618	SBMR_012	Freycinet Reach	Perennial seagrass (dense)	Sand	-26.04315	113.46903	-6.1	1155	Dense Amphibolis antarctica, very little epiphytic growth.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0619	SBMR_013	Freycinet Reach	Sand (subtidal)	Sand	-26.04075	113.47955	-12.6	1200	Sand, shell grit and some seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0620	SBMR_014	Freycinet Reach	Sand (subtidal)	Sand	-25.99698	113.44045	-11.2	1210	Sand and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0621	SBMR_015	Freycinet Reach	Sand (subtidal)	Sand	-25.99647	113.42457	-13.8	1225	Sand, shell grit, one pinna, some sponges.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0622	SBMR_016	Freycinet Reach	Sand (subtidal)	Sand	-25.99733	113.40815	-11	1230	Coarse sand and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0623	SBMR_017	Freycinet Reach	Reef pavement (subtidal)	Sand/pavement	-26.00165	113.39682	-15	1235	Sparse filter feeders (sponges) on pavement covered with sand, some macroalgae (coralline), some corals (Turbinaria).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0624	SBMR_018	Freycinet Reach	Reef pavement (subtidal)	Sand	-26.00487	113.37818	-12.5	1250	Filter feeders (sponges), coral (plate, turbinaria), shell grit, sand, some macroalgae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0625	SBME_019	Freycinet Reach	Ephemeral seagrass (sparse)	Sand	-26.01637	113.36410	-0.8	1335	Sparse Halophila on sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0626	SBMR_020	Freycinet Reach	Perennial seagrass (sparse)	Sand/pavement	-26.01278	113.36250	-0.9	1405	Mussels, coralline algae (balls), sea stars, pearl shells, sparse seagrass, sponges, macroalgae, Penicillus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0627	SBMR_021	Freycinet Reach	Perennial seagrass (dense)	Sand	-26.01073	113.36528	-5	1415	Dense Posidonia on sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0628	SBMR_022	Freycinet Reach	Perennial seagrass (dense)	Sand	-26.01207	113.36500	-2.5	1417	Dense Amphibolis antarctica, some epiphytic algae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0629	SBMR_023	Freycinet Reach	Sand (subtidal)	Sand	-25.97550	113.34277	-10.6	1430	Sand with very little macroalgae, sponge, coralline algae and octocoral.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0630	SBMR_024	Freycinet Reach	Reef pavement (subtidal)	Sand	-25.96215	113.34353	-15.4	1435	Filter feeders (gorgonians, sponges) and some corals, coralline algae, sea stars and macroalgae on pavement covered with sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0631	SBMR_025	Freycinet Reach	Reef pavement (subtidal)	Sand	-25.95292	113.34313	-14.9	1445	Sparse filter feeders (coralline algae, gorgonians, sponges) on sand, some macroalgae, some coral.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0632	SBMR_026	Freycinet Reach	Sand (subtidal)	Sand	-25.95132	113.34798	-12.8	1450	Coarse sand, coralline algae (balls), some macroalgae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0633	SBMR_027	Freycinet Reach	Ephemeral seagrass (sparse)	Sand	-25.92808	113.29143	-12.5	1500	Sand, Halophila spinulosa (sparse), shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0634	SBMR_028	Freycinet Reach	Sand (subtidal)	Sand	-25.92078	113.29047	-13.7	1515	Sand and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#1-03/2002	19/03/02	SBMR	SBY	GPS	WGS84
SBMR_0635	P_20	Peron Flats	Sand (subtidal)	Sand	-25.37302	113.56885	-15.7	0935	Coarse sand and wrack.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0636	P_21	Peron Flats	Sand (subtidal)	Sand	-25.36398	113.54543	-16.7	0950	Bare sand, shell grit, bioturbation, wrack and some macroalgae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0637	P_22	Peron Flats	Silt (subtidal)	Silt	-25.36987	113.52178	-1.6	1000	Sand, bioturbation, shell grit, very sparse seagrass and some detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0638	P_23	Peron Flats	Ephemeral seagrass (sparse)	Silt	-25.37022	113.46247	-13.5	1020	Sand/silt, bioturbation, very sparse Posidonia australis, algal mat and Halophila spinulosa.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0639	P_25	Peron Flats	Ephemeral seagrass (sparse)	Sand	-25.41395	113.45858	-13.8	1035	Sand/silt, bioturbation, sparse Halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0640	P_24	Peron Flats	Ephemeral seagrass (sparse)	Sand	-25.39297	113.47180	-12.8	1045	Sand, very sparse Halophila and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0641	P_26	Peron Flats	Sand (subtidal)	Sand	-25.39748	113.51513	-8.5	1100	Sand and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0642	P_27	Peron Flats	Sand (subtidal)	Sand	-25.40577	113.52953	-11.2	1105	Sand and some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0643	P_19	Peron Flats	Silt (subtidal)	Silt	-25.40750	113.54903	-15.2	1115	Sand/silt with sparse algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0644		Peron Flats	Algal mat (subtidal)	Sand	-25.40890	113.57873	-15.8	1120	Sand, algal mat, some Amphibolis.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0645	P_18	Peron Flats	Algal mat (subtidal)	Sand	-25.40590	113.60605	-15.7	1135	Bare sand/silt and algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0646		Peron Flats	Algal mat (subtidal)	Sand	-25.43642	113.61612	-15.5	1140	Bare sand/silt and algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0647	P_16	Peron Flats	Algal mat (subtidal)	Sand	-25.45193	113.62395	-15.5	1150	Sand/silt algal mat and bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0648	P_15	Peron Flats	Algal mat (subtidal)	Sand	-25.47625	113.65052	-14.9	1205	Sand/silt algal mat and bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0649	P_14	Peron Flats	Algal mat (subtidal)	Sand	-25.47427	113.60368	-15.5	1215	Sand, algal mat and bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0650	P_8	Peron Flats	Algal mat (subtidal)	Sand	-25.51067	113.57412	-13	1230	Sand/silt and algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0651	P_9	Peron Flats	Algal mat (subtidal)	Sand	-25.51237	113.54058	-10.6	1240	Sand, algal mat and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0652	P_10	Peron Flats	Perennial seagrass (dense)	Sand	-25.51353	113.52785	-6.9	1245	Dense Posidonia sinuosa.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0653		Peron Flats	Sand (subtidal)	Sand	-25.51375	113.52963	-8.4	1250	Bare sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0654	P_12	Peron Flats	Sand (subtidal)	Sand	-25.48445	113.54625	-6	1350	Bare sand with ripples.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0655	P_13	Peron Flats	Algal mat (subtidal)	Sand	-25.48468	113.55170	-14	1355	Sand, algal mat and some macroalgae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0656	P_31	Peron Flats	Ephemeral seagrass (sparse)	Sand	-25.46623	113.52720	-7.2	1405	Sand, sparse Halophila and very sparse Posidonia sinuosa.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0657	P_17	Peron Flats	Algal mat (subtidal)	Sand	-25.45417	113.56457	-15	1415	Sand, algal mat and possibly macroalgae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0658	P_30	Peron Flats	Sand (subtidal)	Sand	-25.44562	113.51115	-10.5	1430	Sand and some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0659	P_32	Peron Flats	Sand (subtidal)	Sand	-25.47285	113.49083	-11	1445	Sand with ripples, some shell grit and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0660	P_34	Peron Flats	Ephemeral seagrass (sparse)	Silt	-25.45730	113.46468	-12.6	1455	Sand/silt, some seagrass detritus, Halophila spinulosa and some bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0661	P_33	Peron Flats	Sand (subtidal)	Sand	-25.46537	113.45712	-14	1500	Coarse sand, seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0662	P_38	Peron Flats	Ephemeral seagrass (sparse)	Sand	-25.49317	113.46470	-11.5	1515	Sand, sparse Halophila and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0663	P_37	Peron Flats	Sand (subtidal)	Sand	-25.50262	113.46983	-6.5	1525	Sand (coarse), heavy ripples and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0664	P_35	Peron Flats	Ephemeral seagrass (sparse)	Silt	-25.49133	113.49197	-9.1	1535	Sand/silt, shell grit, some macroalgae, Halophila spinulosa and ripples.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84

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SBMR_0665	P_11	Peron Flats	Sand (subtidal)	Sand	-25.49118	113.51060	-12.9	1545	Sand, shell grit, ripples, some sponge and very sparse Posidonia.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0666	P_6	Peron Flats	Algal mat (subtidal)	Sand	-25.54388	113.56180	-9.9	1600	Sand, algal mat and possibly macroalgae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0667	P_7	Peron Flats	Silt (subtidal)	Silt	-25.54972	113.57155	-10.3	1615	Sand/silt, some macroalgae and some sea stars.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#2-03/2002	20/03/02	SBMR	SBY	GPS	WGS84
SBMR_0668	F4	Lharidon Bight	Perennial seagrass (medium)	Sand	-26.00845	113.73822	-1	0930	Dense patches of Amphibolis (approx. 10% cover) on sand with shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0669		Lharidon Bight	Sand (subtidal)	Sand	-26.01870	113.74722	-5.6	0935	Sand with a large amount of seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0670		Lharidon Bight	Algal mat (subtidal)	Sand	-26.03288	113.72367	-0.8	0945	Sand, Conquina shell, algal mat (Duniella sp. ?).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0671	L7	Lharidon Bight	Sand (subtidal)	Sand	-26.03248	113.72275	-0.6	0950	Sand, Conquina shell, possible algal mat (Duniella sp. ?).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0672	L6	Lharidon Bight	Ephemeral seagrass (sparse)	Sand	-26.02875	113.73278	-1.8	0955	Sand, Conquina shell, sparse Halodule or Syringodium, some detrital seagrass.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0673	L5	Lharidon Bight	Sand (subtidal)	Sand	-26.01982	113.74727	-6.1	1000	Sand/silt with ripples.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0674	L8	Lharidon Bight	Sand (subtidal)	Sand	-26.03047	113.74948	-7.7	1005	Coarse sand with shell grit, some Amphibolis detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0675	L9	Lharidon Bight	Algal mat (subtidal)	Silt	-26.03638	113.76867	-9.4	1015	Silt, algal mat, some shell grit and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84

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SBMR_0676	L12	Lharidon Bight	Algal mat (subtidal)	Silt	-26.06190	113.78043	-9.3	1020	Silt, algal mat, some Caluerpa, macroalgal tufts, Penicillus, very sparse Halophila and Halodule, lots of Jelly fish.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0677	L13	Lharidon Bight	Sand (subtidal)	Sand	-26.06607	113.74903	-9.6	1035	Sand, shell grit and detrital seagrass leaf.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0678		Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.08132	113.72413	-0.7	1045	Sand, Conquina shell, algal turf (Acetabularia), some seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0679	L14	Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.08563	113.71707	-0.5	1050	Sand, Conquina shell, algal turf (Acetabularia).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0680		Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.08687	113.72583	-0.5	1100		JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0681	L15	Lharidon Bight	Sand (subtidal)	Sand	-26.08652	113.74917	-11	1110	Sand, shell grit, very sparse Halodule, some Penicillus and some seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0682	L16	Lharidon Bight	Silt (subtidal)	Silt	-26.09117	113.78070	-9.2	1120	Silt, shell grit, very sparse Halodule, some seagrass detritus and macroalgae (Penicillus nodulus).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0683	L21	Lharidon Bight	Silt (subtidal)	Silt	-26.12970	113.72837	-8.8	1135	Silt, shell grit, very little Penicillus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0684	L24	Lharidon Bight	Silt (subtidal)	Silt	-26.14608	113.73002	-7.4	1145	Silt, shell grit, very little Penicillus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0685	L23	Lharidon Bight	Shell (subtidal)	Shell	-26.14743	113.72448	-5.8	1150	Sand and Conquina shells.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84

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SBMR_0686	L22	Lharidon Bight	Algal mat (subtidal)	Silt	-26.14928	113.72037	-0.5	1155	Silt, Conquina shells and algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0687	L28	Lharidon Bight	Shell (subtidal)	Shell	-26.16847	113.73665	-4.3	1205	Sand, Conquina shells and some algae.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0688	L30	Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.19022	113.73788	-1.9	1215	Sand, Conquina shells and macroalgae turf (Acetabularia).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0689		Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.17335	113.73962	-1.6	1225	Sand, Conquina shell, thick macroalgae turf (Acetabularia).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0690		Lharidon Bight	Shell (subtidal)	Shell	-26.16857	113.74712	-4.5	1230	Sand, Conquina shells and Amphibolis detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0691	L27	Lharidon Bight	Shell (subtidal)	Shell	-26.16705	113.75960	-5.7	1240	Sand, Conquina shells.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0692	L29	Lharidon Bight	Silt (subtidal)	Silt	-26.18215	113.77987	-5.4	1250	Silt, Conquina shells and possible algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0693	L31	Lharidon Bight	Perennial seagrass (medium)	Sand	-26.20207	113.76785	-1.8	1255	Dense patches of Amphibolis, Conquina shells.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0694	L32	Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.18595	113.79845	-0.9	1350	Conquina shells and algal turf (Acetabularia).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0695		Lharidon Bight	Shell (subtidal)	Shell	-26.18425	113.79755	-2.9	1355	Conquina shells.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0696	L33	Lharidon Bight	Sand (subtidal)	Sand	-26.16512	113.80343	-6.1	1400	Sand and some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0697		Lharidon Bight	Silt (subtidal)	Silt	-26.16185	113.78813	-7.9	1410	Silt, some shell grit and macroalgae (Penicillus).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0698	L25	Lharidon Bight	Silt (subtidal)	Silt	-26.15022	113.77062	-8.5	1420	Silt, macroalgae tufts (Penicillus).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0699	L19	Lharidon Bight	Silt (subtidal)	Silt	-26.12378	113.76878	-9.5	1430	Silt and Penicillus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0700	L37	Lharidon Bight	Silt (subtidal)	Silt	-26.12252	113.79548	-9.3	1440	Silt and Penicillus, some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0701	L18	Lharidon Bight	Silt (subtidal)	Silt	-26.11105	113.80690	-9.4	1450	Silt, some macroalgae (penicillus).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0702		Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.11293	113.81970	-4.3	1455	Sand, Conquina shells, macroalgae turf (Acetabularia) and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0703	P36	Lharidon Bight	Shell (subtidal) (algal turf)	Shell	-26.11313	113.82540	-1.8	1500	Conquina shells and macroalgae turf (Acetabularia).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0704	L39	Lharidon Bight	Shell (subtidal, algal turf)	Shell	-26.10028	113.84312	-3.6	1505	Conquina shells and macroalgae turf (Acetabularia), some detrital seagrass.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0705	L38	Lharidon Bight	Perennial seagrass (dense)	Sand	-26.09592	113.84990	-0.5	1515	Dense Amphibolis, some Conquina shells.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0706	L40	Lharidon Bight	Shell (subtidal, algal turf)	Shell	-26.09307	113.83497	-3.7	1520	Sand, Conquina shells, macroalgal turf (Acetabularia), some seagras detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0707	L43	Lharidon Bight	Shell (subtidal, algal turf)	Shell	-26.07153	113.85522	-1.2	1525	Conquina shells and macroalgae turf (Acetabularia), some detrital seagrass.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0708	L42	Lharidon Bight	Shell (subtidal, algal turf)	Shell	-26.06563	113.84218	-7.4	1535	Thick macroalgal turf (Acetabularia) on Conquina shells.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0709	L11	Lharidon Bight	Perennial seagrass (sparse)	Sand	-26.05500	113.81590	-7.8	1545	Sparse Amphibolis.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#3-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0710		Lharidon Bight	Sand (subtidal)	Sand	-26.04895	113.80678	-8	1550	Sand, some shell grit and seagrass detritus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0711	L10	Lharidon Bight	Perennial seagrass (sparse)	Sand	-26.04065	113.80343	-8.3	1600	Sparse Amphibolis.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	21/03/02	SBMR	SBY	GPS	WGS84
SBMR_0712	P2	Herald Bight	Silt (subtidal)	Silt	-25.57572	113.56923	-6.6	0930	Silt and very sparse Posidonia.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0713		Herald Bight	Silt (subtidal)	Silt	-25.56403	113.55892	-6.9	0940	Silt, some macroalgae turfs, very sparse Posidonia.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0714	P5	Herald Bight	Silt (subtidal)	Silt	-25.55368	113.54882	-7	0950	Silt, some bioturbation, some algal tufts and very sparse halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0715	P3	Herald Bight	Ephemeral seagrass (sparse)	Sand	-25.54998	113.52798	-5.2	0955	Sand/silt, sparse Halodule or Syringodium, some Halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0716	80 Acres 4	Herald Bight	Perennial seagrass (medium)	Sand	-25.54248	113.52960	-4.5	1000	Medium Amphibolis antarctica.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0717	80 Acres 3	Herald Bight	Sand (subtidal)	Sand	-25.54358	113.53080	-4.8	1005	Sand, very spars Amphibolis, some shell grit and some algal tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0718		Herald Bight	Sand (subtidal)	Sand	-25.56068	113.53112	-5	1015	Sand, shell grit and some sponge.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0719		Herald Bight	Perennial seagrass (medium)	Sand	-25.56217	113.51953	-0.5	1025	Medium density Posidonia australis (50% seagrass, 50% macroalgae), some pearl shell.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0720		Herald Bight	Sand (subtidal)	Sand	-25.56180	113.51833	-0.5	1030	Bare sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0721		Herald Bight	Perennial seagrass (sparse)	Sand	-25.56342	113.53022	-4.6	1040	Sparse Amphibolis, some macroalgal tufts (Penicillus), some Halophila and Posidonia.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0722	P1	Herald Bight	Silt (subtidal)	Silt	-25.58097	113.53997	-4.9	1100	Silt/sand, some macroalgal tufts, shell grit and tube worms.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0723		Herald Bight	Sand (subtidal)	Sand	-25.58860	113.52945	-0.5	1105	Sand, some macroalgae and possibly algal mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0724		Herald Bight	Perennial seagrass (sparse)	Sand	-25.62072	113.53963	-2	1205	Sparse Posidonia australis on sand, some macroalgae, sparse Halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0725		Herald Bight	Perennial seagrass (dense)	Sand	-25.62713	113.57193	-1	1240	Dense Posidonia australis with some epiphytes (polychaetes, foraminifera).	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0726		Herald Bight	Perennial seagrass (dense)	Sand	-25.61823	113.56755	-2.3	1250	Dense Posidonia australis, some epiphytic growth.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0727		Herald Bight	Perennial seagrass (medium)	Sand	-25.61317	113.56600	-4.3	1255	Medium coverage of Posidonia australis.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#4-03/2002	22/03/02	SBMR	SBY	GPS	WGS84
SBMR_0728	R8	Redcliff Bay	Sand (subtidal)	Sand	-25.75387	113.72295	-8	0835	Bare sand with some macroalgae, Amphibolis and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0729	R13	Redcliff Bay	Sand (subtidal)	Sand	-25.75283	113.74145	-7.2	0845	Bare coarse sand with some shell grit and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0730	R14	Redcliff Bay	Sand (subtidal)	Sand	-25.75202	113.75973	-8.4	0855	Bare coarse sand with some shell grit and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0731	R15	Redcliff Bay	Sand (subtidal)	Sand	-25.75373	113.78438	-8.5	0905	Bare coarse sand with some shell grit and ripples.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0732	R16	Redcliff Bay	Silt (subtidal)	Silt	-25.74997	113.79375	-9.3	0910	Bare silty sand with bioturbation and some detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0733	R17	Redcliff Bay	Silt (subtidal)	Silt	-25.76248	113.81515	-7.9	0920	Bare sand with bioturbation and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0734	R18	Redcliff Bay	Perennial seagrass (sparse)	Silt	-25.76330	113.83620	-6.8	0925	Silty sand with sparse Posidonia.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0735		Redcliff Bay	Silt (subtidal)	Silt	-25.75827	113.82595	-7.9	0930	Bare silty sand with detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0736	R19	Redcliff Bay	Silt (subtidal)	Silt	-25.74685	113.83333	-8	0935	Bare silty sand with detrital leaf, shell grit and perhaps a light algal mat.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0737	R20	Redcliff Bay	Sand (subtidal)	Sand	-25.72998	113.82947	-10	0945	Bare sand with shell grit, detital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0738	R21	Redcliff Bay	Sand (subtidal)	Sand	-25.71760	113.80405	-10.5	0955	Bare sand with shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0739		Redcliff Bay	Sand (subtidal)	Sand	-25.70307	113.83393	-9.8	1005	Bare sand with shell grit and sparse Amphibolis.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84

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SBMR_0740	D16	Redcliff Bay	Sand (subtidal)	Sand	-25.69203	113.85370	-10.4	1010	Bare sand with some shell grit and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0741	D17	Redcliff Bay		Sand	-25.68580	113.81685	-9.8	1020	Sand, sparse Amphibolis, some sponges, shell grit and possibly sojme rubble.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0742	Patch 4	Redcliff Bay	Sand (subtidal)	Sand	-25.68547	113.82277	-11.8	1030	Bare sand, some shell grit and sparse Amphibolis.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0743	Patch 4	Redcliff Bay	Sand (subtidal)	Sand	-25.68583	113.75850	-12	1035	Bare sand and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0744	D18	Redcliff Bay	Sand (subtidal)	Sand	-25.66695	113.82770	-11.2	1050	Bare sand and shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0745	D19	Redcliff Bay	Sand (subtidal)	Sand	-25.66265	113.81142	-12	1100	Bare sand with shell grit and some detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0746	D20	Redcliff Bay	Sand (subtidal)	Sand	-25.67028	113.80317	-11.7	1105	Bare sand, shell grit and some detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0747	D22	Redcliff Bay	Sand (subtidal)	Sand	-25.67710	113.79358	-6	1110	Bare sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0748	D21	Redcliff Bay	Sand (subtidal)	Sand	-25.65995	113.79188	-11.3	1120	Bare sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0749	D23	Redcliff Bay	Silt (subtidal)	Silt	-25.66017	113.77680	-11.2	1125	Bare silty sand with come bioturbation and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0750	D27	Redcliff Bay	Silt (subtidal)	Silt	-25.66102	113.75698	-11.3	1135	Bare silt, some bioturbation and some shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0751	D26	Redcliff Bay	Sand (subtidal)	Sand	-25.67703	113.76522	-11	1145	Bare sand with shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0752	D24	Redcliff Bay	Sand (subtidal)	Sand	-25.69162	113.78510	-9.4	1150	Bare sand, some shell grit and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0753	D25	Redcliff Bay	Sand (subtidal)	Sand	-25.70195	113.76795	-11	1200	Bare sand, some shell grit and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0754	R22	Redcliff Bay	Sand (subtidal)	Sand	-25.71972	113.75357	-10.3	1210	Bare coarse sand with detrital leaf and shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0755	R23	Redcliff Bay	Sand (subtidal)	Sand	-25.72408	113.72500	-8	1215	Bare sand and seagrass detritus.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0756	R24	Redcliff Bay	Silt (subtidal)	Silt	-25.72825	113.67720	-7.3	1230	Bare silt.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0757		Redcliff Bay	Sand (subtidal)	Sand	-25.72655	113.67023	-5.3	1235	Sand and sparse Halodule.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0758		Redcliff Bay	Sand (subtidal)	Sand	-25.72175	113.66717	-4.5	1240	Bare sand with sparse Halophila and sparse algal tufts.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0759	R12	Redcliff Bay	Filter feeder community	Sand	-25.77725	113.76583	-10	1420	Filter feeders, sparse Amphibolis, sponges, some macroalgae, some soft coral (sinularia) ? Pavement?	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0760		Redcliff Bay	Sand (subtidal)	Sand	-25.78797	113.77290	-9.6	1430	Bare sand, sparse Amphibolis, some Halophila, some invertebrates (sponges).	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0761	R11	Redcliff Bay	Macroalgae (subtidal, limestone, low relief)	Limestone	-25.80122	113.78183	-9.5	1435	Macroalgae, Halophila spinulosa, limestone rubble? Some filter feeders (sponges).	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0762	R9	Redcliff Bay	Perennial seagrass (dense)	Sand	-25.80398	113.74818	-3.6	1445	Dense Amphibolis antarctica.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0763	R9	Redcliff Bay	Silt (subtidal)	Silt	-25.80257	113.75117	-7.9	1450	Silt with detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0764		Redcliff Bay	Sand (subtidal)	Sand	-25.79038	113.74408	-8.8	1455	Bare sand, detrital leaf, some rubble and some shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0765	R10	Redcliff Bay	Sand (subtidal)	Sand	-25.78145	113.73895	-9	1500	Bare sand, detrital leaf, silt, shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0766		Redcliff Bay	Sand (subtidal)	Sand	-25.77038	113.73007	-9.5	1505	Bare sand, silt, shell grit, detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0767		Redcliff Bay	Sand (subtidal)	Sand	-25.77798	113.75935	-9.2	1510	Bare sand, detrital leaf and perhaps rubble?	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0768		Redcliff Bay	Sand (subtidal)	Sand	-25.77675	113.76460	-10	1515	Bare sand, detrital leaf, some rubble/structure, some sponges.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0769		Redcliff Bay	Filter feeder community	Limestone	-25.77875	113.76772	-9.8	1520	Filter feeders (sponges, soft coral), sparse Amphibolis, macroalgal tufts, rubble?	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0770		Redcliff Bay	Filter feeder community	Limestone	-25.77982	113.76643	-10.1	1525	Filter feeders (sponges and soft corals), sparse Amphibolis, macroalgae and rubble.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0771		Redcliff Bay	Reef pavement (subtidal)	Limestone	-25.76480	113.75905	-8.6	1530	Macroalgal tufts on limestone covered with sand, sparse Amphibolis, rubble.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0772		Redcliff Bay	Sand (subtidal)	Sand	-25.76268	113.71823	-6.6	1540	Bare sand and detrital reef.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0773		Redcliff Bay	Perennial seagrass (medium)	Sand	-25.75822	113.70533	-4	1545	Sparse Amphibolis on silty sand, some Halodule.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0774	R7	Redcliff Bay	Sand (subtidal)	Sand	-25.74915	113.69210	-8.1	1550	Bare sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0775	R5	Redcliff Bay	Silt (subtidal)	Silt	-25.77853	113.70132	-5.3	1555	Bare silt, some detrital leaf and bioturbation.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0776	R4	Redcliff Bay	Ephemeral seagrass (medium)	Sand	-25.78413	113.69017	-0.9	1605	Medium cover ephemeral seagrass (Halophila and Halodule), some macroalgal tufts.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0777	R3	Redcliff Bay	Sand (subtidal)	Sand	-25.79235	113.71582	-0.9	1620	Bare silty sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0778	R2	Redcliff Bay	Perennial seagrass (dense)	Sand	-25.79155	113.71732	-3.9	1625	Dense Posidonia.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0779		Redcliff Bay	Sand (subtidal)	Sand	-25.78840	113.72250	-1	1630	Macroalgal tufts on sand, some Halophila, shell grit, pearl shell and rubble.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#5-03/2002	24/03/02	SBMR	SBY	GPS	WGS84
SBMR_0780	F23	South Freycinet	Filter feeder community	Limestone	-26.13535	113.56118	-10.7	0925	Filter feeders (corals, sponges) on limestone pavement covered with coarse sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0781	F24	South Freycinet	Filter feeder community	Limestone	-26.14008	113.54660	-11.8	0935	Filter feeders (corals, sponges), some macroalgae on limestone platform covered with sand, some rubblw.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0782	F25	South Freycinet	Sand (subtidal)	Sand	-26.14888	113.51125	-12	0950	Bare sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0783	F26	South Freycinet	Sand (subtidal)	Sand	-26.01528	113.48968	-12.8	0955	Bare sand, some detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0784		South Freycinet	Perennial seagrass (sparse)	Sand	-26.15688	113.48177	-7.7	1000	Sparse Posidonia on coarse sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0785	F27	South Freycinet	Ephemeral seagrass (sparse)	Sand	-26.19008	113.51475	-9.5	1015	Sparse Halophila, some macroalgal tufts, detrital leaf, rubble, Halophila spinulosa, shell grit.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0786	OPP	South Freycinet	Perennial seagrass (dense)	Sand	-26.19283	113.53732	-6	1025	Dense Amphibolis.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0787	OPP	South Freycinet	Perennial seagrass (dense)	Sand	-26.18952	113.56333	-8	1030	Dense Amphibolis.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0788	F28	South Freycinet	Reef pavement (subtidal)	Limestone	-26.18453	113.58103	-12.9	1035	Sponges, very sparse Amphibolis, Halophila spinulosa, some coral.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0789	F29	South Freycinet	Perennial seagrass (medium)	Sand	-26.18500	113.61040	-9.5	1045	Dense patches of Amphibolis and Posidonia on sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0790	F30	South Freycinet	Perennial seagrass (dense)	Sand	-26.18495	113.62825	-9.1	1055	Dense Amphibolis.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0791	OPP	South Freycinet	Sand (subtidal)	Sand	-26.21245	113.64632	-11.6	1105	Bare sand and some macroalgae.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0792	F31	South Freycinet	Ephemeral seagrass (sparse)	Sand	-26.23655	113.66160	-10.2	1110	Halophila spinulosa, sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0793	F32	South Freycinet	Ephemeral seagrass (sparse)	Sand	-26.23317	113.64042	-10	1120	Sparse Halophila spinulosa on sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0794	F33	South Freycinet	Ephemeral seagrass (sparse)	Sand	-26.23243	113.62762	-11	1125	Sand with Halophila spinulosa and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0795	F34	South Freycinet	Ephemeral seagrass (sparse)	Sand	-26.23263	113.61268	-12.1	1132	Sand with Halophila spinulosa.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0796	F35	South Freycinet	Sand (subtidal)	Sand	-26.23495	113.58855	-12.6	1140	Bare coarse sand with ripples and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0797	OPP	South Freycinet	Perennial seagrass (sparse)	Sand	-26.23838	113.57693	-8.6	1150	Very sparse Posidonia on sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0798	OPP	South Freycinet	Perennial seagrass (sparse)	Sand	-26.28818	113.49222	-0.6	1230	Sparse Posidonia patches, some Halophila and macroalgal tufts.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0799		South Freycinet	Ephemeral seagrass (sparse)	Sand	-26.30300	113.48257	-0.7	1330	Sparse Posidonia, sparse Halodule, sparse Halophila, sparse Penicillus.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0800		South Freycinet	Sand (subtidal)	Sand	-26.30438	113.48622	-6.9	1415	Bare sand and detritus.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0801		South Freycinet	Sand (subtidal)	Sand	-26.30593	113.48928	-0.6	1420	Bare sand, little macroalgal.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84

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SBMR_0802		South Freycinet	Sand (subtidal)	Sand	-26.29840	113.49517	-0.6	1430	Bare coarse sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0803		South Freycinet	Perennial seagrass (sparse)	Sand	-26.29828	113.49793	-1.7	1435	Sparse Posidonia, some detritus on sand.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0804		South Freycinet	Ephemeral seagrass (medium)	Sand	-26.29833	113.50097	-2	1440	Medium cover Posidonia and Halodule on sand, some Penicillus.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0805		South Freycinet	Sand (subtidal)	Sand	-26.28982	113.49358	-6.8	1450	Bare sand with ripples.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0806		South Freycinet	Sand (subtidal)	Sand	-26.28828	113.49078	-0.7	1456	Bare sand, very sparse Posidonia.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0807		South Freycinet	Sand (subtidal)	Sand	-26.28758	113.48900	-0.6	1500	Bare sand with ripples.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0808		South Freycinet	Perennial seagrass (dense)	Sand	-26.30258	113.62603	-3.8	1550	Dense Posidonia, some Amphibolis.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0809		South Freycinet	Coral reef communities (subtidal)	Limestone	-26.30258	113.62603	-2.8	1551	Filter feeders (sponges, coral, Pocillopora, Turbinaria), some macroalgae, some Halodule.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0810	OPP	South Freycinet	Sand (subtidal)	Sand	-26.08027	113.56858	-1.2	1625	Bare sand and detrital leaf.	KBA	Drop down video	MMS/SBY/SBA, HPO/DD#6-03/2002	25/03/02	SBMR	SBY	GPS	WGS84
SBMR_0811		South Passage	Ephemeral seagrass (sparse)	Silt	-26.00572	113.28033	-10.5	0825	Bare silt, some Halophila spinulosa.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84

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SBMR_0812		South Passage	Silt (subtidal)	Silt	-26.00622	113.26300	-13.8	0830	Bare silt, some bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0813		South Passage	Silt (subtidal)	Silt	-26.00613	113.24517	-14.2	0835	Bare silt, some bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0814		South Passage	Silt (subtidal)	Silt	-26.00562	113.22748	-12.2	0845	Bare silt some shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0815		South Passage	Sand (subtidal)	Sand	-26.00527	113.21708	-11.1	0850	Bare sand, shell grit, some bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0816		South Passage	Sand (subtidal)	Sand	-26.00567	113.21377	-7.7	0855	Bare sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0817		South Passage	Sand (subtidal)	Sand	-26.00658	113.20655	-0.6	0900	Bare coarse sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0818		South Passage	Sand (subtidal)	Sand	-26.02195	113.23107	-10	0910	Sand, some seagrass detritus, some Penicillus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0819		South Passage	Perennial seagrass (sparse)	Sand	-26.03832	113.23423	-8.6	0920	Sparse Posidonia, shell grit on sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0820		South Passage	Silt (subtidal)	Silt	-26.02835	113.26455	-12	0930	Bare silt.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0821		South Passage	Sand (subtidal)	Sand	-26.04428	113.26465	-9.4	0935	Bare sand and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0822		South Passage	Sand (subtidal)	Sand	-26.04868	113.28155	-0.5	0950	Bare sand, patches of very sparse Posidonia some macroalgae tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84

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SBMR_0823		South Passage	Perennial seagrass (dense)	Sand	-26.06147	113.26328	-5.8	1005	Dense Posidonia.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0824		South Passage	Sand (subtidal)	Sand	-26.06307	113.26248	-3.6	1010	Bare coarse sand, shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0825		South Passage	Sand (subtidal)	Sand	-26.08222	113.26927	-0.7	1015	Bare sand with some macroalgal tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0826		South Passage	Sand (subtidal)	Sand	-26.08143	113.26122	-7.8	1020	Bare sand with detrital leaf and some macroalgal leaf.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0827		South Passage	Sand (subtidal)	Sand	-26.08115	113.25738	-5	1025	Bare sand, shell grit, macroalgal tufts, some rubble, some Halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0828		South Passage	Sand (subtidal)	Sand	-26.08123	113.25188	-3.8	1030	Bare sand, some algal tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0829		South Passage	Sand (subtidal)	Sand	-26.08225	113.24087	-4.5	1035	Bare coarse sand with ripples.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0830		South Passage	Sand (subtidal)	Sand	-26.08350	113.23788	-7.3	1040	Bare coarse sand, some detrital leaf.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0831		South Passage	Reef pavement (subtidal)	Limestone	-26.08385	113.23230	-0.9	1042	Limestone pavement covered in sand, isolated coral (Turbinaria), sponges.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0832		South Passage	Sand (subtidal)	Sand	-26.08453	113.22977	-0.5	1045	Bare sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84

Site No	Infield No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Time	Biological assemblage	Recorder	Observation	Video tape No	Date	MPRSWG	Bioregion	GPS type	Datum
SBMR_0833		South Passage	Reef pavement (subtidal)	Limestone	-26.08487	113.23272	-1.2	1055	Limestone pavement, coral (Turbinaria), some sponges, sand, rubble, sand veneer on limestone pavement.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0834		South Passage	Sand (subtidal)	Sand	-26.12467	113.27218	-1	1110	Sand, sparse macroalgal tufts, sand veneer on pavement.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0835		South Passage	Reef pavement (subtidal)	Limestone	-26.12587	113.26797	-5	1115	Sand, macroalgal turf, sand beneer on limestone.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0836		South Passage	Reef pavement (subtidal)	Sand	-26.12528	113.26433	-7.2	1120	Sand, sparse Halophila, limestone rubble, macroalgal tufts, sand veneer on limestone.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0837		South Passage	Sand (subtidal)	Sand	-26.12492	113.26203	-8.8	1125	Sand, limestone rubblw, some macroalgal tufts, some Penicillus.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0838		South Passage	Sand (subtidal)	Sand	-26.12477	113.25895	-7.8	1130	Bare coarse, ripple and shell grit.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0839		South Passage	Reef pavement (subtidal)	Sand	-26.12587	113.25638	-6.9	1132	Sand, limestone rubble, macroalgal tufts, some sponges, pearl shell, zone Halophila.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0840		South Passage	Sand (subtidal)	Sand	-26.13460	113.25465	-6.5	1135	Sand and limestone rubble.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84

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SBMR_0841		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.13525	113.25657	-8	1137	Medium macroalgae (Sargassum approx. 600 mm high) cover on limestone pavement covered with sand, some sponges.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0842		South Passage	Reef pavement (subtidal)	Limestone	-26.13577	113.25637	-7	1140	Sparse macroalgae (Sargassum approx. 500 mm high) cover on limestone pavement, rubble, algal tufts, sand veneer on limestone pavement.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0843		South Passage	Reef pavement (subtidal)	Limestone	-26.13387	113.25902	-8.2	1145	Sparse macroalgae on limestone pavement with a veneer of sand, some rubble.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0844		South Passage	Sand (subtidal)	Sand	-26.13572	113.25898	-8.7	1150	Bare coarse sand, shell grit and perhaps some rubble.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0845		South Passage	Sand (subtidal)	Sand	-26.13607	113.26237	-7.5	1155	Bare sand, some limestone rubble?, shell git and macroalgae tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0846		South Passage	Sand (subtidal)	Sand	-26.13678	113.26528	-1.5	1200	Bare coarse sand, macroalgal tufts, some Penicillus, pearl shell and shell clumps.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0847		South Passage	Reef pavement (subtidal)	Limestone	-26.12355	113.19040	-1.5	1420	Macroalgae on limestone, Halophila ovalis, Halophila spinulosa patches, some corals, limestone pavement with a thin veneer of sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0848		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.13000	113.18917	-2.8	1450	Macroalgae (Sargassum) on pavement with a thin veneer of sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84

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SBMR_0849		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.13620	113.18615	-5	1452	Macroalgae (not Sargassum approx. 600 mm high) on pavement, some corals, soft corals, algal turf and sponges.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0850		South Passage	Macroalgae (subtidal, limestone, low relief)	Sand	-26.14225	113.18187	-5.4	1455	Macroalgae (Sargassum approx. 600 mm high) on limestone pavement covered with sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0851		South Passage	Sand (subtidal)	Sand	-26.14597	113.17848	-12	1500	Coarse sand and some filamentous algal tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0852		South Passage	Sand (subtidal)	Sand	-26.15000	113.17340	-5.4	1502	Coarse sand with shell grit and filamentous macroalgal tufts.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0853		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.15740	113.18718	-3.9	1505	Macroalgae on limestone pavement covered with sand, Sargassum approx. 0.6m tall.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0854		South Passage	Filter feeder community	Limestone	-26.15455	113.19192	-9.2	1510	Macroalgae on limestone (300 mm), sponges, sand, patches of dense pearl shell, rubble, corals, sponges.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0855		South Passage	Perennial seagrass (medium)	Sand	-26.14998	113.19888	-4.6	1515	Medium covereage of Amphibolis with orange tunicates.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0856		South Passage	Reef pavement (subtidal)	Limestone	-26.14480	113.20773	-3.6	1520	Coarse sand, macroalgae clums on limestone pavement.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0857		South Passage	Perennial seagrass (medium)	Sand	-26.14412	113.20932	-3.5	1525	Medium coverage of Amphibolis patches with macroalgae and sand patches.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84

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SBMR_0858		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.14622	113.20988	-3.8	1530	Medium to dense Amphibolis patches, sand, some macroalgae possible sand on limestone pavement, Sargassum approx. 500 mm high.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0859		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.16500	113.21467	-9.3	1535	Macroalgae on pavement with a veneer of coarse sand patches, sponges, Sargassum, Padina and other macroalgae, corals, Turbinaria.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0860		South Passage	Sand (subtidal)	Sand	-26.17050	113.21580	-8.9	1540	Sparse macroalgae, coarse sand.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0861		South Passage	Macroalgae (subtidal, limestone, low relief)	Limestone	-26.17328	113.21550	-7.8	1550	Macroalgae, some rubble, some sponge, some coral. Shell grit, algae to 0.6 m.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#7-03/2002	26/03/02	SBMP	SBY	GPS	WGS84
SBMR_0862		Useless Inlet	Silt (subtidal)	Silt	-26.16472	113.34512	-10.7	1200	Bare silt, possible algae mat.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#8-03/2002	27/03/02	SBMP	SBY	GPS	WGS84
SBMR_0863		Useless Inlet	Ephemeral seagrass (sparse)	Silt	-26.10440	113.34468	-10.1	1215	Silt, medium density Halophila spinulosa.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#8-03/2002	27/03/02	SBMP	SBY	GPS	WGS84
SBMR_0864		Useless Inlet	Sand (subtidal)	Sand	-26.10325	113.32248	-0.7	1220	Bare sand, some rubblw, some macroalgae? Some Halophila ?	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#8-03/2002	27/03/02	SBMP	SBY	GPS	WGS84
SBMR_0865		Useless Inlet	Sand (subtidal)	Sand	-26.07403	113.33017	-6.6	1240	Bare coarse sand and bioturbation.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#8-03/2002	27/03/02	SBMP	SBY	GPS	WGS84
SBMR_0866		Useless Inlet	Sand (subtidal)	Sand	-26.07960	113.31887	-1	1300	Bare sand, mussels, macroalgae, some rubble.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#8-03/2002	27/03/02	SBMP	SBY	GPS	WGS84

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SBMR_0867		Sunto's Coral	Coral reef communities (subtidal)	Limestone	-25.98250	113.19083	-3	1500	Coral reef community, Turbinaria sp., lots of coral.	JDA	Drop down video	MMS/SBY/SBA, HPO/DD#8-03/2002	27/03/02	SBMP	SBY	GPS	WGS84