

Mapping the coral reef communities of Shark Bay marine protected areas: Data collected during the February 2008 field survey

Marine Science Program Data Report Series

MSPDR3 January 2009

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Our environment, our future 

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Cover images: (small images, L to R) Shawl or vase-like *Turbinaria* corals; Shark Bay Marine Park patrol vessel *Sirenia II*; An encrusting coral provides habitat for racoon butterflyfish, ring-tailed cardinalfish, scissortail sergeants and southern drummer; Fragile *Acropora* staghorn corals; and (large image) *Turbinaria* interspersed with *Pocillopora* hard corals and *Sinularia* soft corals. Photos - Department of Environment and Conservation/ Marine Science Program.

SUMMARY

In February 2008 a field survey was undertaken as part of an ongoing program to document the diversity and distribution of coral communities found in the Shark Bay marine protected areas (Shark Bay Marine Park and Hamelin Pool Marine Nature Reserve). Marine ecological community data were collected from a total of 618 sites, mainly along the east coast of Dirk Hartog Island. Associated with these data are 14 mini digital video tapes and 441 digital still photographs.

The information gathered during this survey has assisted terrestrial protected area planners to make informed decisions in the review of the *Shark Bay Terrestrial Reserves Management Plan 2000-2010* and will assist in the proposed review of the *Shark Bay Marine Reserves Management Plan 1996-2006*.

This report provides the context as to why the community data were collected; hard copy archival records of the data; and metadata to direct future researchers or managers to the storage location of data, video and images in both hard and digital forms (where applicable).

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1 INTRODUCTION

The Shark Bay marine protected areas (SBMPA) are approximately 850 km north of Perth, Western Australia (Figure 1) and comprise the Shark Bay Marine Park and the Hamelin Pool Marine Nature Reserve. The SBMPA were gazetted in 1990 and encompass an area of 8800 km² and are within the Shark Bay World Heritage Property.

The *Shark Bay Marine Reserves Management Plan 1996-2006* (Department of Conservation and Land Management 1996) is anticipated to be reviewed within the next few years and is likely to be extended to include Bernier and Dorre islands, and the west coast of Dirk Hartog Island (Marine Parks and Reserves Selection Working Group 1994). The *Shark Bay Terrestrial Reserves Management Plan 2000-2009* (Department of Conservation and Land Management 2000) and the *Shark Bay World Heritage Property Draft Strategic Plan 2006-2016* (Department of Conservation and Land Management 2006) are currently being reviewed. This planning activity provides the impetus to build upon the current understanding of marine biodiversity distributions and patterns to inform future management, for example, by identifying areas of high conservation value as well as potential human interactions with these values.

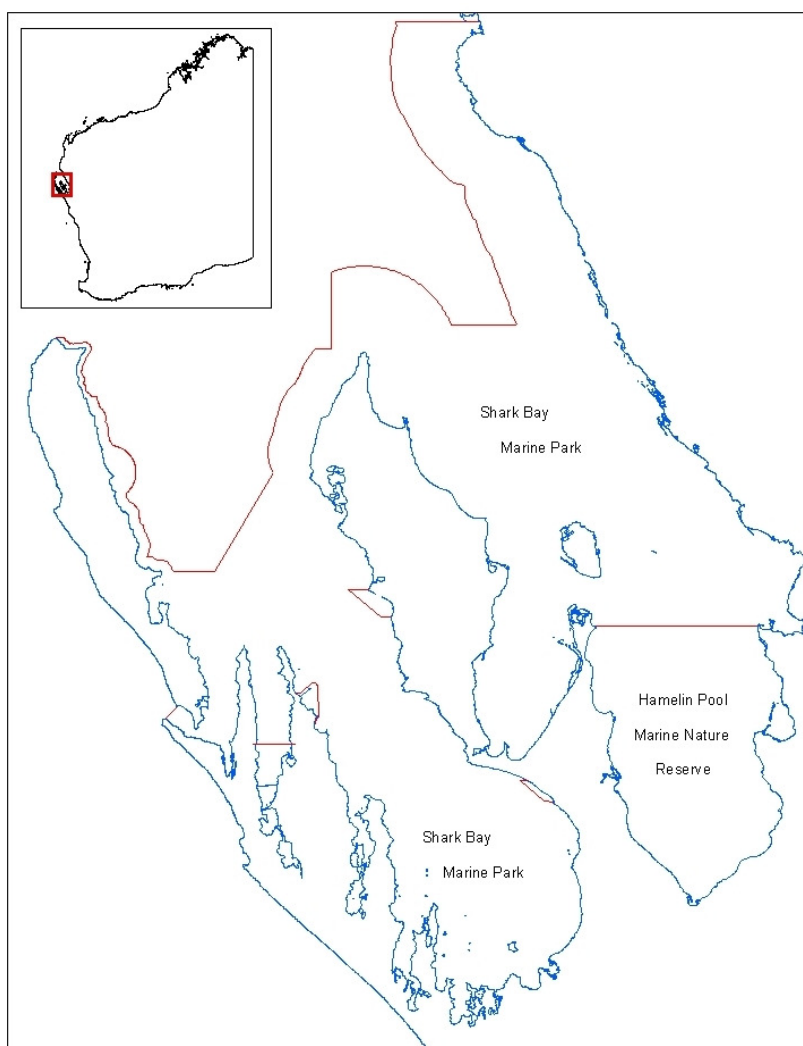


Figure 1. Location map – Shark Bay marine protected areas.

The distributions of perennial seagrass meadows in the SBMPA are reasonably well documented (Anderson 1994; Department of Conservation and Land Management 1996; Masini et al. 2001; Montgomery et al. 1995; Walker et al. 1988), however there are very few data on ephemeral seagrasses and mangals, and near to no data on other important benthic communities such as coral reefs, filter-feeders, stromatolites, subtidal reef platforms or intertidal shoreline reefs. Although marine ecological communities are of high conservation value in the SBMPA (Department of Conservation and Land Management 1996) and the proposed extensions, our understanding of their distributions is limited. The spatial scale of the existing marine benthic habitat map is too broad in some areas of the SBMPA for effective reserve management or environmental impact assessment. To achieve this, the ecological communities would need to be mapped, in specific areas, at a finer scale of between one and 100 kilometres.

New data obtained by this project, in conjunction with existing aerial photogrammetry and satellite imagery, will be used to improve the current knowledge on the distribution and diversity of coral reef communities in the SBMPA.

The objectives of the project were:

- to collect *in situ* data on the distribution and diversity of coral reef communities in the SBMPA and the proposed extensions; and
- to present the new coral reef communities data as a GIS information layer that will assist in the review of the Shark Bay Marine Reserves Management Plan 1996-2006, Shark Bay Terrestrial Reserves Management Plan 2000-2009 and the Shark Bay World Heritage Property Draft Strategic Plan 2006-2016.

2 METHODS

2.1 Site selection

Likely coral reef communities were identified from the existing broad-scale habitat map, ortho-aerial photography and anecdotal information collected from commercial tour operators, local recreational and commercial fishermen and current and past DEC and Department of Fisheries (DoF) staff. DEC (Bancroft & Davidson 2002; Cary 1997; Cary & Daly 1997; Cary et al. 1997; Cary & Pobar 1997), DoF (Jackson et al. 2007) and WA Museum (Western Australian Museum 1979; 1981) data lodged in the WA Habitat Database (see Section 3.1) was also utilised to identify further locations for surveying.

Utilising the above information in conjunction with the available remote sensed imagery, preliminary field survey locations were selected *a priori* on the east side of Dirk Hartog Island, the west side of Point Peron, and Bernier and Dorre Islands (Grubba & Bancroft 2008). However, due to operational constraints of the vessel used, Bernier and Dorre Island were not visited during the February 2008 field survey.

Additional coral community sites that were opportunistically located in the field were also included in the survey.

2.2 Marine ecological community observations

At each site, a visual observation of the marine ecological community was made using either a bathyscope placed over the side of the tender, drop-down video camera or direct observations by snorkelling. While the bathyscope was used when possible, the drop-down video camera was typically used at sites with depths greater than 5 m or at sites where the water visibility was poor (lowered over the side of the tender to record a minimum of 30 seconds of video footage of the seabed). At sites of less than 3 m depth, in-water observations were made by snorkellers using a Sony digital camera in an underwater housing and towing a short-tethered float with a Garmin GPS

X76S recording the track (Datum WGS 84). The digital imagery was geo-referenced to the GPS route using RoboGEO version 5.3.7 software (Pretek Inc).

Descriptive data comprising site number, location, latitude and longitude, depth, method of observation, observer, video tape/digital photograph number, substrate type, biological assemblage and marine ecological community classification were recorded for each observation on Marine Science Program's (MSP's) Habitat Mapping Data Sheets (Appendix 1). All data has been placed into the MSP's Western Australia Habitat Database.

2.3 Marine ecological community classifications

The following classification scheme has been developed and applied to reflect ecosystem function rather than the highest percent cover. For example, a site with 10% live *Porites* sp. coral and 50% macroalgae was classified as "Coral reef (Poritidae) sparse" as the coral reef drives the biotic community present (e.g. coral reef fish).

The ecological communities at each site were classified *in situ* according to the following classification.

- Live hard coral:
 - Acroporidae
 - Pocilloporidae
 - Dendrophyllidae
 - Faviidae
 - Poritidae
 - Fungiidae
 - mixed corals
- Recently dead hard coral
- Live soft coral:
 - Alcyoniidae
 - Nephtheidae
- Macroalgae:
 - Phaeophyta
 - Chlorophyta
 - Rhodophyta
- Turf algae:
 - rubble/turf algae
 - reef/turf algae
- Coralline algae:
 - rubble/coralline algae
 - reef/coralline algae
- Seagrass:
 - *Halophila*
 - *H. ovalis*
 - *H. spinulosa*
 - *Posidonia*
 - *P. australis*
 - *Amphibolis*;
 - *A. antarctica*

- Filter feeders:
 - sponges
 - sea whips
 - gorgonians
 - alcyonarians
- Silt/mud
- Sand

An estimate of cover of sparse (more substrate than biota), medium (equal cover of biota and substrate) and dense (more biota than substrate) was also assigned, where appropriate.

3 DATA MANAGEMENT

3.1 Raw marine ecological community data

Hard copies of data sheets have been archived on DEC Corporate File # 2008/000545-1 “*Mapping of the coral reef communities of the Shark Bay marine protected areas 2007-2008.*” Raw data has been entered into the Western Australia Habitat Database maintained by the MSP. The WA Habitat database is held on the MSP server. To obtain a copy of the SBMPA ecological data, phone the Science Division (08) 9334 0299.

3.2 Digital video records

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

MDV masters have been archived in the Shark Bay Video Archive file 2008/002112 “*Mapping of coral reef communities in Shark Bay marine protected areas - Video archive*”, held at DEC Corporate Information Services, Department of Environment and Conservation, 17 Dick Perry Avenue, Kensington, Western Australia. Ph: (08) 9334 0333.

MDV copies have been stored at the Marine Science Program, Science Division, Department of Environment and Conservation, 17 Dick Perry Avenue, Kensington, Western Australia. Ph: (08) 9334 0299 Fax: (08) 9334 0327.

Seven mini digital video tapes were used to record dropdown video sites and labelled:

MSP/SBY/SBMPA/DD#01-02/2008
MSP/SBY/SBMPA/DD#02-02/2008
MSP/SBY/SBMPA/DD#03-02/2008
MSP/SBY/SBMPA/DD#04-02/2008
MSP/SBY/SBMPA/DD#05-03/2008
MSP/SBY/SBMPA/DD#06-03/2008
MSP/SBY/SBMPA/DD#07-03/2008

Seven mini digital video tapes were used to record generic footage at snorkelled sites and labelled:

MSP/SBY/SBMPA/HH#01-02/2008
MSP/SBY/SBMPA/HH#02-02/2008
MSP/SBY/SBMPA/HH#03-02/2008
MSP/SBY/SBMPA/HH#04-02/2008
MSP/SBY/SBMPA/HH#05-02/2008
MSP/SBY/SBMPA/HH#06-03/2008
MSP/SBY/SBMPA/HH#07-03/2008

3.3 Still images

3.3.1 Digital habitat verification images

Digital habitat verification images will be stored as high resolution jpegs on the MSP server. To obtain a copy of the SBMPA ecological data, phone the Science Division (08) 9334 0299.

3.3.2 Other digital stills

Still images that are useful for communication purposes will be stored as high resolution jpegs on the MSP server. To obtain a copy of the SBMPA ecological data, phone the Science Division (08) 9334 0299.

3.4 Publications

3.4.1 Data report

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

Marine Science Program, Science Division, Department of Environment and Conservation, 17 Dick Perry Avenue, Western Australia, 6152. Ph: (08) 9334 0333.

Woodvale Library, Science Division, Department of Environment and Conservation, Ocean Reef Road, Woodvale, Western Australia, 6026. Ph: (08) 9405 5100 Fax: (08) 9306 1641.

Archives, Woodvale Library, Science Division, Department of Environment and Conservation, Ocean Reef Road, Woodvale, Western Australia, 6026. Ph: (08) 9405 5100 Fax: (08) 9306 1641 (CD also attached).

Midwest Region, Department of Environment and Conservation, 1st Floor The Foreshore Centre, 201 Foreshore Drive, Geraldton, Western Australia, 6530. Ph: (08) 9921 5955 Fax: (08) 9921 5713.

Shark Bay District, Department of Environment and Conservation, 89 Knight Terrace, Denham, Western Australia, 6537. Ph: (08) 9921 5955 Fax: (08) 9921 5713.

Serials Section, State Library of Western Australia. Alexander Library Building, Perth Cultural Centre, Perth, Western Australia, 6000.

Digital copies of this report will be held at the following:

- The Science Division Server
- CD-ROM [MSPDR_3]

3.4.2 Landscape article

An article entitled "*Mapping the coral communities of Shark Bay Marine Park*" was published in the Spring 2008 edition of *Landscape* (Bancroft 2008). Copies will be held in the DEC Science Library and the MSP Library.

4 RESULTS

Marine ecological community data were collected at a total of 618 sites (Figure 2), comprising 177 sites verified by drop-down video or bathyscope and 441 by snorkelling. The latter sites have associated digital still photographs (see Section 3.3.1 Digital habitat verification images). Opportunistic generic video footage was also collected at all snorkelled locations.

The marine ecological community data gathered at these sites have been presented in Appendix 2.

5 ACKNOWLEDGEMENTS

This project was funded by DEC's Marine Science Program. I would like to acknowledge Tim Grubba, who was the Shark Bay Marine Park Coordinator at the time, for his assistance with the design and planning of the survey, and for his assistance in the field. The Shark Bay District Office provided the marine park patrol vessel *Serenia II* and I would like to particularly thank Marine Park Ranger Wayne Moroney for his many days at the helm and on galley duty. I would like to thank Shannon Armstrong and Alan Kendrick for their advice.

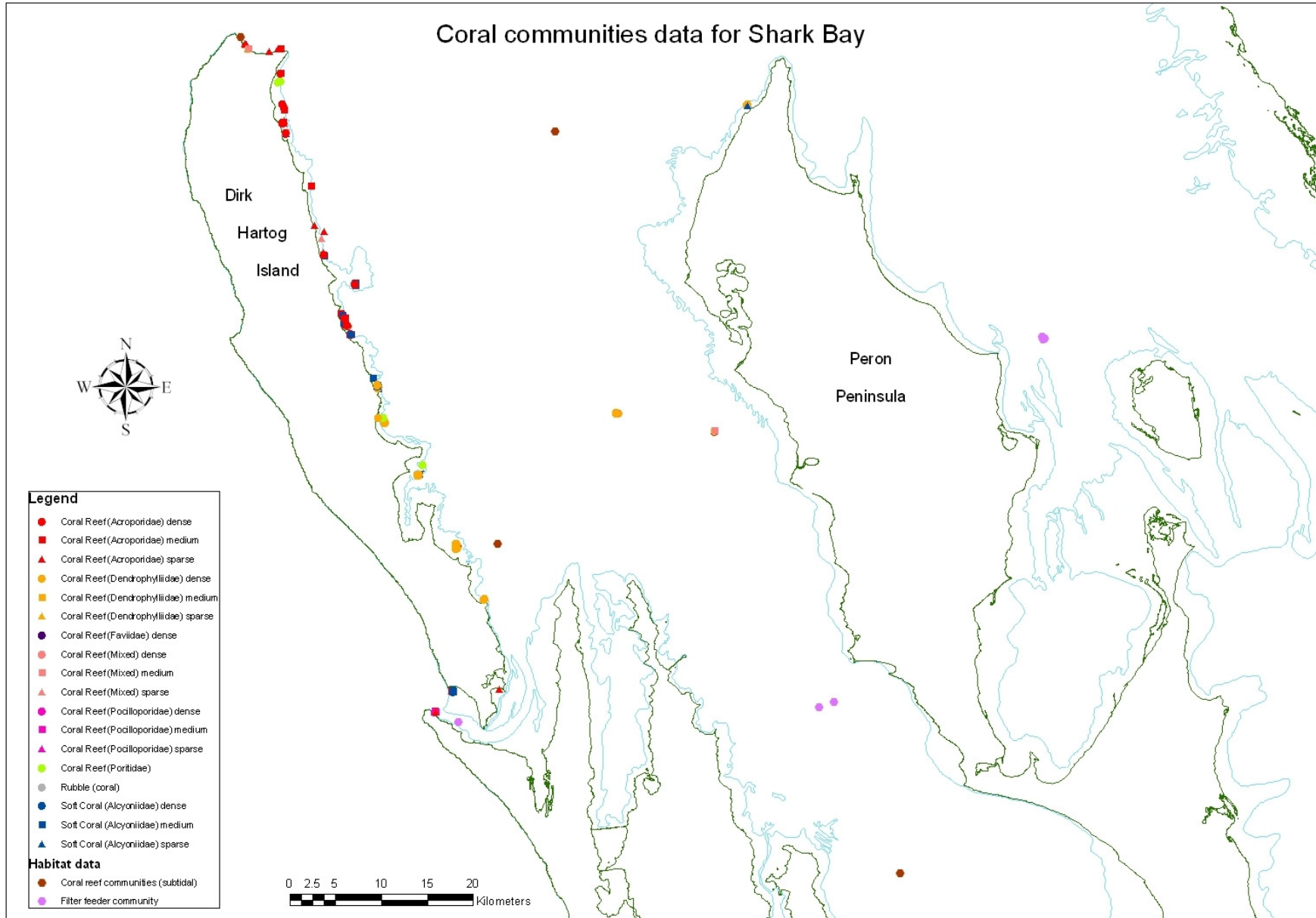


Figure 2. Distribution of coral communities of Shark Bay Marine Park: Historical data and data collected during the February 2008 survey.

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7 APPENDICES

Appendix 1. MSP Habitat Mapping Data Sheet

MARINE SCIENCE PROGRAM HABITAT MAPPING DATA SHEET

Site N ^o .		Location Name	
Lat°.....'S	Long°.....'E
DGPS/GPS		Datum	
Depth (m)		Tidal Range	
Date		Time	
Recorder		Observat ⁿ Method	
MPSRWG		IMCRA Bioregion	
Substrate type		Relief	
Video Tape N ^o	MSP / SBY / SBMPA / #-...../..... <small>(IMCRA region) (MPSRWG) (DD or HH camera) (number) YYYY/MM)</small>		
Visually Dominant Organism			
Description			
Habitat Type			

Site N ^o .		Location Name	
Lat°.....'S	Long°.....'E
DGPS/GPS		Datum	
Depth (m)		Tidal Range	
Date		Time	
Recorder		Observat ⁿ Method	
MPSRWG		IMCRA Bioregion	
Substrate type		Relief	
Video Tape N ^o	MSP / SBY / SBMPA / #-...../..... <small>(IMCRA region) (MPSRWG) (DD or HH camera) (number) YYYY/MM)</small>		
Visually Dominant Organism			
Description			
Habitat Type			

Appendix 2. Benthic ecological communities data

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
A001	SBMR_0887	Surf Point	Sand (low relief)	20.0	Sand	Bare sand with medium wave ripples	-26.11292	113.17321	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	12:33
A002	SBMR_0888	Surf Point	Reef (high relief)	11.0	Turf/reef	Turf algae covered high relief reef; some sand inundation	-26.11327	113.17495	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	12:51
A003	SBMR_0889	Surf Point	Sand (low relief)	21.2	Sand	Bare sand with medium wave ripples	-26.11088	113.17258	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	12:47
A004	SBMR_0890	North of Surf Point	Sand (low relief)	14.5	Sand	Bare sand with small wave ripples	-26.09648	113.16878	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:02
A005	SBMR_0891	North of Surf Point	Sand (low relief)	33.0	Sand	Bare sand; no wave ripples; some detritus and small clumps of macroalgae (<i>Sargassum</i> spp.) <1%	-26.10118	113.16042	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:08
A006	SBMR_0892	North of Surf Point	Sand (low relief)	37.0	Sand	Bare sand; no wave ripples	-26.10737	113.15130	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:16
A007	SBMR_0893	North of Surf Point	Sand (low relief)	60.6	Sand	Bare sand; no wave ripples	-26.08900	113.13988	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:26
A008	SBMR_0894	North of Surf Point	Sand (low relief)	30.0	Sand	Bare sand with medium wave ripples	-26.08813	113.15900	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:41
A009	SBMR_0895	North of Surf Point	Sand (low relief)	17.5	Sand	Bare sand with medium wave ripples	-26.08950	113.16582	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:48
A010	SBMR_0896	Surf Point	Reef (low relief)	5.4	Turf/reef	Turf algae covered low relief reef; some sand inundation	-26.12033	113.17897	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	13:58
A011	SBMR_0897	Surf Point	Reef (low relief)	5.4	Turf/reef	Turf algae covered low relief reef; some sand inundation; many sea urchins and urchin grazing erosion	-26.12398	113.18065	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:05
A012	SBMR_0898	Surf Point	Reef (low relief)	10.0	Turf/reef	Turf algae covered low relief reef; some sand inundation; some small plate coral colonies (<i>Acroporidae</i>)	-26.12527	113.17902	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:08
A013	SBMR_0899	Surf Point	Sand (low relief)	20.0	Sand	Bare sand	-26.12722	113.17728	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:12
A014	SBMR_0900	Surf Point	Sand (low relief)	25.5	Sand	Bare sand with small wave ripples	-26.12972	113.17483	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:16
A015	SBMR_0901	Surf Point	Sand (low relief)	18.6	Sand	Bare sand; little detritus	-26.12965	113.17823	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:21
A016	SBMR_0902	Surf Point	Reef (low relief)	4.6	Macroalgae (Phaeophyta) medium	<i>Sargassum</i> spp on reef pavement; ~30% cover; some sand inundation	-26.12965	113.18107	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:25
A017	SBMR_0903	Surf Point	Reef (low relief)	4.3	Turf/reef	Turf algae covered low relief reef; some sand inundation	-26.12972	113.18432	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:28
A018	SBMR_0904	Surf Point	Reef (low relief)	2.6	Macroalgae (Phaeophyta) sparse	<i>Sargassum</i> spp on reef pavement; ~20% cover; turf algae on reef pavement; some sand inundation	-26.12968	113.18792	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:32
A019	SBMR_0905	Surf Point	Reef (low relief)	2.5	Macroalgae (Phaeophyta) sparse	<i>Sargassum</i> spp on reef pavement; ~25% cover; turf algae on reef pavement; some sand inundation	-26.12623	113.18865	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:39
A020	SBMR_0906	Surf Point	Reef (low relief)	1.4	Soft Coral (Alcyoniidae) medium	Soft corals (<i>Sinularia</i> spp); ~30% cover; scattered small poritids/favids and other small corymbose colonies	-26.12402	113.18565	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	14:47
A021	SBMR_0907	Monkey Rock	Reef (low relief)	2.8	Turf/reef	Turf algae covered low relief reef	-26.14370	113.16977	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	16:47
A022	SBMR_0908	Monkey Rock	Reef (medium relief)	4.4	Turf/reef	Turf algae covered low relief reef; a little <i>Sargassum</i> spp.; <5%	-26.14272	113.17043	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	16:50

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
A023	SBMR_0909	Monkey Rock	Reef (low relief)	6.0	Macroalgae (Phaeophyta) medium	<i>Sargassum</i> spp on reef; ~30% cover; turf algae covered reef pavement	-26.14303	113.17103	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	16:52
A024	SBMR_0910	Monkey Rock	Reef (high relief)	2.2	Turf/reef	Turf algae covered low relief reef; some sand inundation; <5% small plate coral colonies (Acroporidae); <5% soft corals (<i>Sinularia</i> spp.)	-26.14460	113.16902	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	16:57
A025	SBMR_0911	Monkey Rock	Reef (low relief)	4.3	Macroalgae (Phaeophyta) medium	<i>Sargassum</i> spp on reef; ~30% cover; some sand inundation	-26.14563	113.17143	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	17:03
A026	SBMR_0912	Monkey Rock	Reef (low relief)	8.9	Macroalgae (Phaeophyta) medium	<i>Sargassum</i> spp on reef; ~30% cover; turf algae covered reef pavement	-26.14280	113.17168	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	17:09
A027	SBMR_0913	Monkey Rock	Sand (low relief)	6.3	Sand	Bare sand;<5% scattered rubble	-26.14743	113.17025	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	17:16
A028	SBMR_0914	Monkey Rock	Reef (low relief)	9.4	Macroalgae (Phaeophyta) medium	<i>Sargassum</i> spp on reef; ~50% cover; some sand inundation	-26.14563	113.17352	GDA94	Drop down video	MSP/SBY/SBMPA/DD #01-02/2008	25/02/2008	17:21
B001	SBMR_0915	Blind Strait	Sand (low relief)	2.4	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; low epiphyte load	-26.13647	113.25320	GDA95	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	10:17
B002	SBMR_0916	Blind Strait	Sand (low relief)	2.4	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; low epiphyte load	-26.12535	113.24817	GDA94	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	10:28
B003	SBMR_0917	Sunday Island	Sand (low relief)	1.8	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; medium epiphyte load	-26.12342	113.23745	GDA94	Direct		26/02/2008	10:57
B004	SBMR_0918	Sunday Island	Sand (low relief)	1.8	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; low epiphyte load	-26.12298	113.23418	GDA94	Direct		26/02/2008	11:04
B005	SBMR_0919	Sunday Island Bay	Reef (low relief)	2.0	Coral Reef (Dendrophylliidae) sparse	One large colony of <i>Turbinaria</i> sp coral colony; other smaller colonies in area.	-26.12262	113.23298	GDA94	Direct		26/02/2008	11:07
B006	SBMR_0920	Sunday Island Bay	Reef (low relief)	1.5	Coral Reef (Acroporidae) sparse	Several patch reefs; corymbose/branching hard corals; Acroporidae; some sand inundation	-26.12302	113.23240	GDA94	Direct		26/02/2008	11:11
B007	SBMR_0921	Sunday Island Bay	Sand (low relief)	1.6	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass patches; calcareous red algae balls on edge of patch	-26.12203	113.22795	GDA94	Direct		26/02/2008	11:17
B008	SBMR_0922	Sunday Island Bay	Sand (low relief)	1.5	Seagrass (<i>Posidonia australis</i>) sparse	Sparse <i>Posidonia australis</i> patch; low epiphyte load	-26.12327	113.22663	GDA94	Direct		26/02/2008	11:20
B009	SBMR_0923	Sunday Island Bay	Sand (low relief)	1.5	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; low epiphyte load	-26.12495	113.22528	GDA94	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	11:26
B010	SBMR_0924	Tumbledown Point	Sand (low relief)	2.5	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; low epiphyte load	-26.03960	113.22092	GDA94	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	11:47
B011	SBMR_0925	Tumbledown Point	Sand (low relief)	3.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass meadow; low epiphyte load; large strip of seagrass	-26.03335	113.21337	GDA94	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	13:10
B012	SBMR_0926	South of Homestead	Sand (low relief)	1.8	Seagrass (<i>Posidonia australis</i>) medium	Medium density <i>Posidonia australis</i> patch; low epiphyte load	-26.01902	113.20660	GDA94	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	13:21
B013	SBMR_0927	South of Homestead	Sand (low relief)	1.5	Seagrass (<i>Posidonia australis</i>) medium	Medium density patches of <i>Posidonia australis</i> ; low epiphyte load	-26.01655	113.20490	GDA94	Direct		26/02/2008	13:24
B014	SBMR_0928	Meade Island	Reef (medium relief)	1.0	Coral Reef (Dendrophylliidae) sparse	Medium coral cover (<i>Turbinaria</i> spp); ~10%; soft corals (<i>Sinularia</i> spp.) <10%; turf covered reef;	-26.00128	113.20272	GDA94	Drop down video	MSP/SBY/SBMPA/DD #02-02/2008	26/02/2008	13:38
B015	SBMR_0929	Homestead Reef	Sand (low relief)	1.4	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass patch; low epiphyte load	-25.98920	113.19290	GDA94	Direct		26/02/2008	15:34
B016	SBMR_0930	Homestead Reef	Reef (low relief)	3.4	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp); ~30%; soft corals <5%	-25.98483	113.19080	GDA94	Direct		26/02/2008	15:39

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
B017	SBMR_0931	Homestead Reef	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp.); >40%; a little <i>Pocillopora damicornis</i> ; soft corals (<i>Sinularia</i> spp.) <5%	-25.97980	113.19000	GDA94	Direct		26/02/2008	17:02
B018	SBMR_0932	Homestead Reef	Sand (low relief)	3.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> seagrass patch; low epiphyte load	-25.97938	113.19045	GDA94	Direct		26/02/2008	17:03
C001	SBMR_0933	Notch Point	Sand (low relief)	1.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> ; large seagrass patches; low epiphyte load	-25.94237	113.17137	GDA94	Direct		27/02/2008	9:33
C002	SBMR_0934	Notch Point	Sand (low relief)	4.5	Seagrass (<i>Posidonia australis</i>) sparse	Sparse density <i>Posidonia australis</i> meadow; low epiphyte load	-25.94145	113.17430	GDA94	Direct		27/02/2008	9:43
C003	SBMR_0935	Egg Island	Sand (low relief)	2.9	Seagrass (<i>Posidonia australis</i>) dense	Dense <i>Posidonia australis</i> meadow; low epiphyte load	-25.92252	113.15157	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	12:12
C004	SBMR_0936	Egg Island	Sand (low relief)	3.3	Seagrass (<i>Posidonia australis</i>) medium	Medium density <i>Posidonia australis</i> meadow; low epiphyte load	-25.91318	113.15392	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	13:37
C005	SBMR_0937	Egg Island	Sand (low relief)	1.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense <i>Amphibolis antarctica</i> ; large seagrass patches; low epiphyte load	-25.90900	113.15192	GDA94	Direct		27/02/2008	13:47
C006	SBMR_0938	Egg Island	Reef (high relief)	4.0	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp.); >40%; some sand inundation; soft corals (<i>Sinularia</i> spp.) <5%	-25.90310	113.15705	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	13:57
C007	SBMR_0939	Egg Island	Reef (high relief)	3.7	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp.); ~40%; some sand inundation; soft corals (<i>Sinularia</i> spp.) <5%	-25.90277	113.15700	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	13:59
C008	SBMR_0940	Egg Island	Reef (low relief)	1.0	Turf/reef	Turf algae covered reef pavement; <50%; some sand inundation; some rubble; some macroalgae (<i>Sargassum</i> spp.); <5%	-25.90925	113.15767	GDA94	Direct		27/02/2008	14:41
C009	SBMR_0941	Quoin Bluff	Sand (low relief)	1.4	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.89705	113.15025	GDA94	Direct		27/02/2008	14:52
C010	SBMR_0942	Quoin Bluff	Sand (low relief)	1.2	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.89735	113.14820	GDA94	Direct		27/02/2008	14:55
C011	SBMR_0943	Quoin Bluff	Reef (low relief)	1.5	Turf/reef	Turf algae covered reef pavement; ~60%; some sand inundation;	-25.89615	113.15275	GDA94	Direct		27/02/2008	15:00
C012	SBMR_0944	Quoin Bluff	Sand (low relief)	3.8	Seagrass (<i>Amphibolis antarctica</i>) dense	Area of numerous small patches of dense seagrass <i>Amphibolis antarctica</i> ; moderate epiphyte load	-25.89428	113.15808	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	15:09
C013	SBMR_0945	North of Quoin Bluff	Sand (low relief)	4.0	Seagrass (<i>Posidonia australis</i>) medium	Medium density seagrass (<i>Posidonia australis</i>); sand patches; heavy silt load	-25.87820	113.13905	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	15:40
C014	SBMR_0946	Herald Bay	Sand (low relief)	2.3	Seagrass (<i>Amphibolis antarctica</i>) dense	Patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.86490	113.11415	GDA94	Direct		27/02/2008	15:56
C015	SBMR_0947	Herald Bay	Sand (low relief)	2.0	Sand	Sand with very sparse (<5%) mixed seagrasses (<i>Posidonia australis</i> and <i>Amphibolis antarctica</i>)	-25.86425	113.11378	GDA94	Drop down video	MSP/SBY/SBMPA/DD #03-02/2008	27/02/2008	15:58
D001	SBMR_0948	Shelter Bay	Reef (low relief)	1.5	Turf/reef	Turf algae covered reef pavement; some sand inundation	-25.83672	113.11438	GDA94	Direct		28/02/2008	7:57
D002	SBMR_0949	North of Herald Bay	Sand (low relief)	3.1	Seagrass (<i>Amphibolis antarctica</i>) dense	Patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.85100	113.11498	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	8:35
D003	SBMR_0950	North of Herald Bay	Sand (low relief)	3.4	Sand	Bare sand; scattered balls of calcareous red algae on sediment surface	-25.85192	113.11457	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	8:39
D004	SBMR_0951	North of Herald Bay	Sand (low relief)	3.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.85032	113.11358	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	8:44
D005	SBMR_0952	South of Louisa Bay	Reef (medium relief)	1.3	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp.); ~30%; some sand inundation; soft corals (<i>Sinularia</i> spp.) ~20%; small massive corals (<i>Favids</i> & <i>Goniastrids</i>) <5%; macroalgae (<i>Sargassum</i> spp.) <5%	-25.82473	113.11030	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:14

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
D006	SBMR_0 953	South of Louisa Bay	Reef (medium relief)	1.8	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp); ~30%; some sand inundation; soft corals (<i>Sinularia</i> spp.) ~20%; macroalgae (<i>Sargassum</i> spp.) <5%	-25.82292	113.11012	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:19
D007	SBMR_0 954	South of Louisa Bay	Reef (medium relief)	2.0	Coral Reef (Dendrophylliidae) medium	Medium coral cover (<i>Turbinaria</i> spp); ~30%; some sand inundation; soft corals (<i>Sinularia</i> spp.) <30%; turf algae on reef pavement; macroalgae (<i>Sargassum</i> spp.) <5%	-25.81988	113.10870	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:23
D008	SBMR_0 955	South of Louisa Bay	Reef (low relief)	1.2	Turf/reef	Turf algae on reef pavement; some sand inundation	-25.81838	113.10735	GDA94	Direct		28/02/2008	10:29
D009	SBMR_0 956	South of Louisa Bay	Reef (low relief)	2.1	Soft Coral (Alcyoniidae) medium	Soft corals (<i>Sinularia</i> spp); ~50% cover; submassive/ foliose/corymbose/tabular colonies (Acroporids, Turbinarids, Favids) ~10%; macroalgae (<i>Sargassum</i> spp.) ~10%	-25.81812	113.10847	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:32
D010	SBMR_0 957	South of Louisa Bay	Reef (low relief)	2.6	Macroalgae (Phaeophyta) medium	<i>Sargassum</i> spp on reef; ~30% cover; <i>Sinularia</i> spp. Soft coral ~25%; ~10% <i>Turbinaria</i> and other hard corals	-25.81692	113.10795	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:37
D011	SBMR_0 958	South of Louisa Bay	Sand (low relief)	2.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.81297	113.10775	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:42
D012	SBMR_0 959	South of Louisa Bay	Sand (low relief)	2.1	Seagrass (<i>Amphibolis antarctica</i>) dense	Patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.81143	113.10525	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:46
D013	SBMR_0 960	South of Louisa Bay	Sand (low relief)	2.2	Seagrass (<i>Amphibolis antarctica</i>) dense	Patch y area of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.80492	113.10017	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:52
D014	SBMR_0 961	Louisa Bay	Sand (low relief)	3.4	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.78842	113.10068	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	10:58
D015	SBMR_0 962	Louisa Bay	Reef (medium relief)	3.0	Soft Coral (Alcyoniidae) medium	Patch y coral reef community; soft corals (<i>Sinularia</i> spp); ~30% cover; mixed hard corals submassive/ foliose/corymbose/tabular colonies (Acroporids, Turbinarids, Favids) ~15%; macroalgae (<i>Sargassum</i> spp.) <10%	-25.77562	113.08683	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	11:12
D016	SBMR_0 963	North of Louisa Bay	Sand (low relief)	3.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.77460	113.08607	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	12:00
D017	SBMR_0 964	Bar Flats	Sand (low relief)	1.8	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.79647	113.34675	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	12:48
D018	SBMR_0 965	Bar Flats	Sand (low relief)	4.5	Seagrass (<i>Posidonia australis</i>) dense	Dense patch of <i>Posidonia australis</i> seagrass; low epiphyte load	-25.81222	113.34455	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	12:56
D019	SBMR_0 966	Bar Flats	Sand (low relief)	2.4	Seagrass (<i>Amphibolis antarctica</i>) dense	Patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.80538	113.33742	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	28/02/2008	13:01
E001	SBMR_0 967	Bar Flats	Reef (high relief)	3.6	Coral Reef (Dendrophylliidae) medium	Area of coral patch reefs; <i>Turbiaria</i> spp. >40%; 20% coral rubble; some sand inundation	-25.85423	113.34945	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	29/02/2008	14:24
E002	SBMR_0 968	Bar Flats	Reef (high relief)	2.3	Coral Reef (Dendrophylliidae) dense	Dense coral; <i>Turbiaria</i> spp. >60%; ~10% coral rubble; some sand inundation	-25.85300	113.34917	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	29/02/2008	14:32
E003	SBMR_0 969	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	Dense coral; <i>Turbiaria</i> spp. ~50%; corymbose/plate hard corals <5%; <i>Sinularia</i> spp. Soft coral ~10%; <5% coral rubble; turf algae on reef <5%; some sand inundation	-25.85178	113.34720	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	29/02/2008	14:37
E004	SBMR_0 970	North of Louisa Bay	Sand (low relief)	3.7	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense patch of seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.76922	113.08122	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	29/02/2008	16:38

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
E005	SBMR_0 971	North of Louisa Bay	Reef (high relief)	4.2	Coral Reef (Mixed) medium	Medium density of hard coral; <i>Turbinaria</i> spp. ~20%; corymbose/plate Acroporids ~20%; <i>Sinularia</i> spp. Soft coral ~30%; some sand inundation; sum small massive hard corals (Favids; Poritids)	-25.76713	113.08175	GDA94	Drop down video	MSP/SBY/SBMPA/DD #04-02/2008	29/02/2008	16:43
E006	SBMR_0 972	South of Sandy Point	Reef (medium relief)	2.6	Soft Coral (Alcyoniidae) medium	Soft corals (<i>Sinularia</i> spp); ~50% cover; areas of coral (mainly <i>Turbinaria</i> spp) rubble; evidence of a major coral death event; minimal hard coral recruitment	-25.76470	113.07983	GDA94	Direct		29/02/2008	17:18
E007	SBMR_0 973	South of Sandy Point	Reef (medium relief)	5.5	Coral Reef (Mixed) sparse	Scattered lumps of hard and soft corals; mixed massive (mainly favids) <10%; some corymbose acroporids <10%; some soft corals (<i>Sinularia</i> spp) <10%; sparse cover over reef area	-25.76668	113.08257	GDA94	Direct		29/02/2008	17:24
E008	SBMR_0 974	South of Sandy Point	Reef (medium relief)	3.0	Coral Reef (Acroporidae) medium	Branshing , plate and corymbose Acroporids ~40%; other mixed hard corals (Turbinarids, Favids) <5%; soft coral <i>Sinularia</i> spp. ~25%	-25.75917	113.08008	GDA94	Direct		29/02/2008	17:46
F001	SBMR_0 975	South of Sandy Point	Sand (low relief)	1.2	Sand	Detritus (~30cm deep) mainly seagrass on sandy seabed; likely to be sand inundation over reef pavement	-25.73468	113.06653	GDA94	Direct		1/03/2008	8:17
F002	SBMR_0 976	South of Sandy Point	Reef (low relief)	5.1	Macroalgae (Phaeophyta) sparse	Sparse macroalgae <i>Sargassum</i> spp <20%; some soft coral <i>Sinularia</i> spp. <5%; some sand inundation	-25.74965	113.07817	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:18
F003	SBMR_0 977	South of Sandy Point	Reef (low relief)	3.8	Macroalgae (Phaeophyta) sparse	Rubble on pavement ~30%; scattered macroalgae <i>Sargassum</i> spp <20%; some sand inundation	-25.75123	113.07628	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:25
F004	SBMR_0 978	South of Sandy Point	Reef (low relief)		Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp.; <10% soft coral <i>Sinularia</i> spp.; <5% macroalgae <i>Sargassum</i> spp.; <10% rubble	-25.75225	113.07590	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:28
F005	SBMR_0 979	South of Sandy Point	Reef (medium relief)	2.4	Coral Reef (Acroporidae) medium	Branshing and corymbose Acroporids ~20%; <i>Turbinaria</i> spp. <20%; other hard corals <5%; soft corals <i>Sinularia</i> spp. <20%; rubble <10%; macroalgae <i>Sargassum</i> spp. <5%	-25.75488	113.07673	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:32
F006	SBMR_0 980	South of Sandy Point	Reef (low relief)	3.4	Soft Coral (Alcyoniidae) medium	Soft corals <i>Sinularia</i> spp. ~25%; corymbose Acroporids ~10%; small <i>Turbinaria</i> spp. <5%; rubble <30%; macroalgae <i>Sargassum</i> spp. <5%	-25.75675	113.07828	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:37
F007	SBMR_0 981	South of Sandy Point	Sand (low relief)	2.9	Seagrass (<i>Amphibolis antarctica</i>) medium	Medium density of <i>Amphibolis antarctica</i> seagrass; low epiphyte load; macroalgae <i>Sargassum</i> spp. <5%	-25.74797	113.07728	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:45
F008	SBMR_0 982	South of Sandy Point	Sand (low relief)	2.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.74580	113.07540	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:49
F009	SBMR_0 983	South of Sandy Point	Sand (low relief)	4.1	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.74333	113.07807	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:53
F010	SBMR_0 984	South of Sandy Point	Sand (low relief)	9.5	Sand	Bare sand ; no bvious rippling	-25.73872	113.08068	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	11:57
F011	SBMR_0 985	South of Sandy Point	Reef (low relief)	2.3	Soft Coral (Alcyoniidae) medium	Soft corals <i>Sinularia</i> spp. ~40%; small massive cohard corals (Faviidae) <5%; on rubbly pavement; some sand inundation	-25.72728	113.09078	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	12:07
F012	SBMR_0 986	Sandy Point	Sand (low relief)	4.7	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.73058	113.08213	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	13:17
F013	SBMR_0 987	Sandy Point	Sand (low relief)	2.3	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.72192	113.08375	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:05

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
F014	SBMR_0988	Sandy Point	Sand (low relief)	2.9	Seagrass (<i>Amphibolis antarctica</i>) sparse	Sparse seagrass <i>Amphibolis antarctica</i> ; moderate epiphyte load; scattered <i>Turbinaria</i> spp. Corals	-25.71760	113.08642	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:12
F015	SBMR_0989	Sandy Point	Reef (low relief)	2.2	Macroalgae (Phaeophyta) sparse	Sparse macroalgae (<i>Sargassum</i> spp.) <20%; small scattered <i>Turbinaria</i> spp corals <1%; coral rubble <10%; some sand inundation	-25.71718	113.08973	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:16
F016	SBMR_0990	Sandy Point	Reef (low relief)	2.8	Macroalgae (Phaeophyta) medium	Macroalgae <i>Sargassum</i> spp. ~30%; scattered small <i>Turbinaria</i> spp. Colonies; soft corals <i>Sinularia</i> spp. <1%; sand inundation	-25.71518	113.08872	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:19
F017	SBMR_0991	Sandy Point	Reef (low relief)	3.9	Macroalgae (Phaeophyta) medium	Medium cover of macroalgae (<i>Sargassum</i> spp.) ~20%; small scattered <i>Turbinaria</i> spp and other hard corals <1%; some coralline red algae balls <5%; some sand inundation	-25.71230	113.08612	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:24
F018	SBMR_0992	Sandy Point	Reef (low relief)	4.7	Macroalgae (Phaeophyta) sparse	Sparse macroalgae (<i>Sargassum</i> spp.) <20%; coral rubble <10%; some sand inundation	-25.70933	113.08575	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:29
F019	SBMR_0993	Sandy Point	Reef (low relief)	5.5	Macroalgae (Phaeophyta) sparse	Sparse macroalgae (<i>Sargassum</i> spp.) <20%; coral rubble <5%; some sand inundation	-25.70727	113.08473	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:32
F020	SBMR_0994	Sandy Point	Sand (low relief)	4.5	Seagrass (<i>Posidonia australis</i>) sparse	Sparse cover of <i>Posidonia australis</i> seagrass <20%; very patchy; moderate epiphyte load	-25.71112	113.07702	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:41
F021	SBMR_0995	Sandy Point	Sand (low relief)	2.9	Seagrass (<i>Posidonia australis</i>) sparse	Scattered dense patches of <i>Posidonia australis</i> seagrass; medium epiphyte load	-25.70907	113.07642	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:44
F022	SBMR_0996	Sandy Point	Sand (low relief)	2.9	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.70823	113.07310	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:47
F023	SBMR_0997	Sandy Point	Sand (low relief)	3.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load; scattered small hard corals <i>Turbinaria</i> spp.	-25.70852	113.06875	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:51
F024	SBMR_0998	Sandy Point	Sand (low relief)	3.2	Macroalgae (Phaeophyta) sparse	Sparse macroalgae (<i>Sargassum</i> spp.) ~10%; coral rubble <5%; calcareous red algae balls <5%; soft corals <i>Sinularia</i> spp. <5%; seagrass <i>Amphibolis antarctica</i> <5%; some sand inundation	-25.70613	113.06770	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:55
F025	SBMR_0999	Sandy Point	Sand (low relief)	2.4	Seagrass (<i>Posidonia australis</i>) medium	Moderate cover of <i>Posidonia australis</i> seagrass ~30%; sparse <i>Amphibolis antarctica</i> <10% Low epiphyte load; <i>Sinularia</i> spp. Soft coral <5%	-25.70708	113.06462	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	14:59
F026	SBMR_1000	Sandy Point	Sand (low relief)	2.1	Sand		-25.70667	113.06270	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:02
F027	SBMR_1001	Sandy Point	Reef (low relief)	3.1	Soft Coral (Alcyoniidae) medium	<i>Sinularia</i> spp. Soft coral ~30%; scattered <i>Turbinaria</i> spp. Hard corals <5%; some sand inundation	-25.69858	113.06027	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:08
F028	SBMR_1002	Sandy Point	Reef (medium relief)	3.0	Coral Reef (Acroporidae) medium	Branching and corymbose acroporids ~30%; other hard corals (faviids/ <i>Platygyra</i> spp.) <5%; soft corals <i>Sinularia</i> spp. ~15%; rubble ~20%; sand inundation; very patchy habitat	-25.69732	113.05925	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:11
F029	SBMR_1003	North of Sandy Point	Reef (low relief)	3.0	Coral Reef (Acroporidae) sparse	Branching and corymbose acroporids ~20%; soft corals <i>Sinularia</i> spp. ~10%; rubble <20%; sand inundation; very patchy habitat	-25.69497	113.05892	GDA94	Direct		1/03/2008	15:15
F030	SBMR_1004	North of Sandy Point	Sand (low relief)	2.2	Sand	Mainly bare sand >90%; macroalgae <i>Sargassum</i> spp. <1%; soft corals <i>Sinularia</i> spp. <1%; small mixed hard corals <1%	-25.69532	113.05555	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:20
F031	SBMR_1005	North of Sandy Point	Sand (low relief)	2.3	Sand	Mainly bare sand >90%; macroalgae <i>Sargassum</i> spp. <5%; soft corals <i>Sinularia</i> spp. <1%; calcareous red algal balls <5%	-25.68890	113.05505	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:25

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
F032	SBMR_1 006	North of Sandy Point	Sand (low relief)	2.6	Sand	Some rubble <5%; soft corals <i>Sinularia</i> spp. <1%; detritus	-25.68678	113.05475	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:28
F033	SBMR_1 007	North of Sandy Point	Reef (medium relief)	5.2	Coral Reef (Mixed) sparse	Branshing and corymbose acroporids ~5%; <i>Turbinaria</i> spp. ~5%; small massive corals (faviids/ <i>Platygyra</i> spp.) <5%; soft corals <i>Sinularia</i> spp. <5%; rubble <5%; macroalgae <i>Sargassum</i> spp. <5%; sand inundation; very patchy habitat	-25.68160	113.05767	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:33
F034	SBMR_1 008	North of Sandy Point	Reef (medium relief)	5.3	Coral Reef (Acroporidae) sparse	Small patch reef; acroporids ~10%; soft corals <i>Sinularia</i> spp. <5%; macroalgae <i>Sargassum</i> spp. <5%; sand inundation	-25.67417	113.06058	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:40
F035	SBMR_1 009	North of Sandy Point	Reef (medium relief)	3.0	Coral Reef (Acroporidae) sparse	Plate, corymbose, staghorn hard corals acroporids ~15%; soft corals <i>Sinularia</i> spp. ~10%; some coral rubble; sand inundation	-25.66837	113.05102	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:48
F036	SBMR_1 010	North of Sandy Point	Sand (low relief)	2.6	Seagrass (<i>Amphibolis antarctica</i>) dense	Area of patches of dense seagrass <i>Amphibolis antarctica</i> ; moderate epiphyte load	-25.66238	113.04812	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:53
F037	SBMR_1 011	North of Sandy Point	Sand (low relief)	2.6	Seagrass (<i>Amphibolis antarctica</i>) medium	Area of patches of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.65422	113.04618	GDA94	Drop down video	MSP/SBY/SBMPA/DD #05-03/2008	1/03/2008	15:59
F038	SBMR_1 012	North of Sandy Point	Sand (low relief)	3.2	Seagrass (<i>Amphibolis antarctica</i>) dense	Patch of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.65255	113.04632	GDA94	Drop down video		1/03/2008	16:00
F039	SBMR_1 013	North of Sandy Point	Reef (low relief)	3.4	Turf/reef	Turf algae covered reef pavement >60%; rubble <20%; <i>Sinularia</i> spp. Soft coral <1%	-25.64988	113.04593	GDA94	Drop down video		1/03/2008	16:03
F040	SBMR_1 014	North of Sandy Point	Reef (low relief)	5.4	Macroalgae (Phaeophyta) sparse	Sparse macroalgae (<i>Sargassum</i> spp.) ~20%; <i>Sinularia</i> spp. Soft coral <1%; turf algae ~20%; some sand inundation	-25.63972	113.04910	GDA94	Drop down video		1/03/2008	16:09
F041	SBMR_1 015	South of Withnell Point	Reef (low relief)	4.8	Coral Reef (Acroporidae) medium	Patch reef; <i>Acropora</i> spp staghorn ~50%; <i>Sargassum</i> spp. Macroalgae <5%	-25.63028	113.04732	GDA94	Drop down video		1/03/2008	16:16
F042	SBMR_1 016	South of Withnell Point	Sand (low relief)	6.7	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.62675	113.05045	GDA94	Drop down video		1/03/2008	16:22
F043	SBMR_1 017	South of Withnell Point	Sand (low relief)	3.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.60793	113.04503	GDA94	Drop down video		1/03/2008	16:33
F044	SBMR_1 018	South of Withnell Point	Sand (low relief)	4.2	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.58778	113.02843	GDA94	Drop down video		1/03/2008	16:46
F045	SBMR_1 019	Withnell Point	Reef (low relief)	3.7	Macroalgae (Phaeophyta) sparse	Sparse macroalgae (<i>Sargassum</i> spp.) ~15%; turf algae covered pavement; some sand inundation	-25.58552	113.02560	GDA94	Drop down video		1/03/2008	16:50
F046	SBMR_1 020	Withnell Point	Sand (low relief)	1.4	Seagrass (<i>Amphibolis antarctica</i>) medium	Patch ed of dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.57967	113.02038	GDA94	Drop down video		1/03/2008	16:56
F047	SBMR_1 021	Withnell Point	Reef (medium relief)	1.4	Turf/reef	Turf algae covered reef pavement; scattered acroporid plates and corymbose colonies, encrusting corals <5%	-25.57787	113.02273	GDA94	Drop down video		1/03/2008	17:01
G001	SBMR_1 022	Withnell Point	Sand (low relief)	3.0	Macroalgae (Phaeophyta) sparse	Sparse macroalgae patch (<i>Sargassum</i> spp.) ~15%	-25.57770	113.02338	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	9:48
G002	SBMR_1 023	Withnell Point	Sand (low relief)	2.6	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.57645	113.02315	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	10:00
G003	SBMR_1 024	Withnell Point	Sand (low relief)	2.2	Macroalgae (Phaeophyta) medium	Medium macroalgae (<i>Sargassum</i> spp.) >40%; small hard coral recruits <5%	-25.57252	113.02138	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	10:09
G004	SBMR_1 025	Withnell Point	Sand (low relief)	2.1	Macroalgae (Phaeophyta) medium	Medium macroalgae (<i>Sargassum</i> spp.) ~50%	-25.57307	113.02120	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	10:11
G005	SBMR_1 026	Withnell Point	Reef (low relief)	3.0	Turf/reef	Turf algae covered reef pavement; small hard coral recruits <5%	-25.56922	113.02130	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	10:16

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
G006	SBMR_1 027	North of Withnell Point	Reef (medium relief)	3.4	Coral Reef (Acroporidae) sparse	Plate and corymbose, acroporid hard corals ~20%; small mixed hard corals ~5%; macroalgae (<i>Sargassum</i> spp.) <10%; turf algae covered reef	-25.56603	113.02122	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	10:19
G007	SBMR_1 028	North of Withnell Point	Reef (low relief)	3.2	Turf/reef	Turf algae covered reef pavement >80%; <i>Turbinaria</i> spp. <5%; <i>Acropora</i> spp. <5%	-25.56570	113.02118	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:09
G008	SBMR_1 029	North of Withnell Point	Reef (medium relief)	2.4	Coral Reef (Dendrophylliidae) medium	~20% <i>Turbinaria</i> spp.; <10% soft coral <i>Sinularia</i> spp.; <5% macroalgae <i>Sargassum</i> spp.; <10% rubble	-25.56417	113.02028	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:14
G009	SBMR_1 030	North of Withnell Point	Sand (low relief)	4.1	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.56158	113.02163	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:19
G010	SBMR_1 031	North of Withnell Point	Sand (low relief)	3.1	Seagrass (<i>Amphibolis antarctica</i>) medium	Medium density patch of seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.56123	113.02007	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:22
G011	SBMR_1 032	North of Withnell Point	Reef (high relief)	3.6	Coral Reef (Acroporidae) medium	Patch reef; plate and staghorn acroporid hard corals ~50%; turf algae covered reef; sand inundation	-25.55593	113.02085	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:28
G012	SBMR_1 033	North of Withnell Point	Reef (high relief)	2.6	Coral Reef (Acroporidae) dense	Patch reef; staghorn acroporid hard corals ~70%; dead hard corals ~5%	-25.55277	113.02055	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:32
G013	SBMR_1 034	South of Cape Levillain	Reef (medium relief)	1.8	Coral Reef (Acroporidae) dense	Patch reef; plate acroporid hard corals ~50%; branching acroporids ~15%	-25.54987	113.01925	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:37
G014	SBMR_1 035	South of Cape Levillain	Sand (low relief)	5.3	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.54798	113.02125	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:41
G015	SBMR_1 036	South of Cape Levillain	Sand (low relief)	2.8	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.54245	113.01602	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:48
G016	SBMR_1 037	South of Cape Levillain	Reef (low relief)	1.9	Turf/reef	Turf algae covered reef platform; rubble; <i>Sargassum</i> spp. Macroalgae <10%	-25.53993	113.01337	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:53
G017	SBMR_1 038	South of Cape Levillain	Reef (low relief)	3.0	Macroalgae (Phaeophyta) dense	Dense macroalgae (<i>Sargassum</i> spp.) >70%	-25.53528	113.01523	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	11:58
G018	SBMR_1 039	South of Cape Levillain	Reef (low relief)	3.4	Macroalgae (Phaeophyta) medium	Medium macroalgae (<i>Sargassum</i> spp.) <20%; turf algae on reef pavement	-25.53560	113.01632	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	12:00
G019	SBMR_1 040	South of Cape Levillain	Sand (low relief)	9.0	Seagrass (<i>Halophila</i> spp.) sparse	Sparse <i>Halophila</i> spp. Seagrass; <i>Sargassum</i> spp. Macroalgae <1%; scattered small hard corals <1%	-25.53753	113.02270	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	12:05
G020	SBMR_1 041	South of Cape Levillain	Sand (low relief)	9.0	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass <i>Amphibolis antarctica</i> ; low epiphyte load	-25.53343	113.02308	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	12:12
G022	SBMR_1 042	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Cluster of poritid bommies; 1.5-3m high	-25.52763	113.01700	GDA94	Direct		2/03/2008	12:49
G021	SBMR_1 043	South of Cape Levillain	Reef (medium relief)	2.4	Coral Reef (Acroporidae) medium	Patch reef; plate and corymbose acroporid hard corals ~30%; dead coral ~10%; rubble ~10%; sand inundation	-25.51930	113.01710	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	12:54
G023	SBMR_1 044	Cape Levillain	Reef (medium relief)	1.8	Coral Reef (Acroporidae) dense	Patch reef; corymbose, plates and branching acroporid hard corals >60%; mixed hard corals ~15%	-25.51993	113.01713	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	12:57
G024	SBMR_1 045	Turtle Bay	Sand (low relief)	9.5	Sand	Bare sand with large wave ripples	-25.49760	112.99527	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	14:30
G025	SBMR_1 046	Turtle Bay	Reef (medium relief)	3.8	Turf/reef	Turf algae covered reef; scattered small acroporids <5%; some sea urchin grazing scars	-25.49732	112.99050	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	14:40
G026	SBMR_1 047	Turtle Bay	Sand (low relief)	10.4	Sand	Bare sand with large wave ripples	-25.49593	112.99205	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	14:44
G027	SBMR_1 048	Turtle Bay	Sand (low relief)	11.1	Sand	Bare coarse sand with large wave ripples; shell grit	-25.49387	112.99075	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	14:48

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
G028	SBMR_1 049	Turtle Bay	Reef (low relief)	3.7	Turf/reef	Turf algae covered reef pavement; sand inundation	-25.49483	112.98595	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	14:53
G029	SBMR_1 050	Turtle Bay	Reef (medium relief)	4.2	Turf/reef	Turf algae covered reef pavement; sand inundation	-25.49400	112.98592	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	14:56
G030	SBMR_1 051	Turtle Bay	Reef (high relief)	6.3	Coral Reef (Acroporidae) sparse	Coral on boulders; plate and corymbose acroporid hard corals ~20%; quite patchy	-25.49150	112.98435	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	15:00
G031	SBMR_1 052	Turtle Bay	Reef (high relief)	6.4	Coral Reef (Acroporidae) sparse	Coral on boulders; plate and corymbose acroporid hard corals <20%; other hard corals <10%; turf algae	-25.49100	112.98357	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	15:02
G032	SBMR_1 053	Turtle Bay	Reef (high relief)	5.6	Coral Reef (Acroporidae) sparse	Coral on boulders; plate and corymbose acroporid hard corals ~20%; other hard corals <10%; turf algae	-25.49072	112.98243	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	15:05
G033	SBMR_1 054	Turtle Bay	Reef (high relief)	6.6	Turf/boulders	Turf & coralline algae covered boulders; other sessile invertebrates (sponges, encrusting coral, etc) <10%	-25.48433	112.97715	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	15:13
G034	SBMR_1 055	Turtle Bay	Sand (low relief)	13.0	Sand	Bare sand with large wave ripples; odd sponge and macroalgae	-25.48433	112.98252	GDA94	Drop down video	MSP/SBY/SBMPA/DD #06-03/2008	2/03/2008	16:32
H001	SBMR_1 056	Turtle Bay	Sand (low relief)	8.9	Sand	Bare sand with large wave ripples	-25.49800	112.99922	GDA94	Drop down video	MSP/SBY/SBMPA/DD #07-03/2008	3/03/2008	8:17
H002	SBMR_1 057	Turtle Bay	Reef (high relief)	5.0	Coral Reef (Acroporidae) sparse	<20% small corymbose and plate acroporids; ~5% encrusting corals; turf algae on reef	-25.49788	113.00620	GDA94	Drop down video	MSP/SBY/SBMPA/DD #07-03/2008	3/03/2008	8:23
H003	SBMR_1 058	Cape Levillain	Reef (high relief)	3.5	Coral Reef (Acroporidae) sparse	Edge of reef line; ~20% small corymbose acroporids; <5% <i>Sinularia</i> spp. Soft coral; turf algae on reef	-25.49560	113.01478	GDA94	Drop down video	MSP/SBY/SBMPA/DD #07-03/2008	3/03/2008	8:30
H004	SBMR_1 059	Cape Levillain	Reef (high relief)	5.5	Coral Reef (Acroporidae) medium	Edge of reef line; deeply grooved; ~25% corymbose and <5% plate acroporids; <5% <i>Sinularia</i> spp. Soft coral; turf algae on reef	-25.49523	113.01772	GDA94	Drop down video	MSP/SBY/SBMPA/DD #07-03/2008	3/03/2008	8:32
H005	SBMR_1 060	Cape Levillain	Sand (low relief)	18.0	Sand	Bare sand with small wave ripples	-25.49233	113.02075	GDA94	Drop down video	MSP/SBY/SBMPA/DD #07-03/2008	3/03/2008	8:36
H006	SBMR_1 061	Cape Levillain	Reef (high relief)	6.0	Turf/boulders	Turf algae covered boulders; some coralline algae; <5% small hard corals	-25.49538	113.02645	GDA94	Drop down video	MSP/SBY/SBMPA/DD #07-03/2008	3/03/2008	8:43
H007	SBMR_1 062	Gregorys	Reef (medium relief)	2.6	Coral Reef (Dendrophylliidae) sparse	~20 <i>Turbinaria</i> spp. Hard coral; <10% <i>Sinularia</i> spp. Soft coral; turf algae on reef; scattered encrusting sponge; very patchy reef	-25.54962	113.47612	GDA94	Direct		3/03/2008	11:52
H008	SBMR_1 063	Six-mile Reef	Reef (low relief)	3.8	Coral Reef (Mixed) sparse	<20% scattered mixed corals; <10% acroporids; <10% Turbinarids; <5% poritids; turf algae on reef pavement; sand inundation	-25.87007	113.44377	GDA94	Direct		3/03/2008	13:58
20080225-03	SBMR_1 064	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	>60% <i>Sinularia</i> spp. Soft coral; <5% mixed hard coral; ~10% turf algae on pavement; some sand inundation	-26.12454	113.18610	GDA94	Direct	20080225-03	25/02/2008	3:09:32 PM
20080225-04	SBMR_1 065	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	>60% <i>Sinularia</i> spp. Soft coral; ~20% turf algae on pavement; some sand inundation	-26.12455	113.18604	GDA94	Direct	20080225-04	25/02/2008	3:09:55 PM
20080225-05	SBMR_1 066	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	~50% <i>Sinularia</i> spp. Soft coral; <5% mixed hard coral (mainly poritids); ~20% turf algae on pavement; some sand inundation	-26.12467	113.18592	GDA94	Direct	20080225-05	25/02/2008	3:11:06 PM
20080225-06	SBMR_1 067	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	~50% <i>Sinularia</i> spp. Soft coral; ~20% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12479	113.18583	GDA94	Direct	20080225-06	25/02/2008	3:12:18 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080225-08	SBMR_1068	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	>60% <i>Sinularia</i> spp. Soft coral; <10% mixed hard coral (mainly poritids); ~20% turf algae on pavement; some sand inundation	-26.12479	113.18570	GDA94	Direct	20080225-08	25/02/2008	3:14:35 PM
20080225-09	SBMR_1069	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	>60% <i>Sinularia</i> spp. Soft coral; <5% mixed hard coral (mainly poritids); <10% turf algae on pavement; some sand inundation	-26.12473	113.18564	GDA94	Direct	20080225-09	25/02/2008	3:15:36 PM
20080225-11	SBMR_1070	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) sparse	<20% hard corals (Acroporidae), >20% <i>Sinularia</i> spp. Soft corals; ~10% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12469	113.18555	GDA94	Direct	20080225-11	25/02/2008	3:16:53 PM
20080225-12	SBMR_1071	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) sparse	<20% hard corals (Acroporidae), >20% <i>Sinularia</i> spp. Soft corals; ~10% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12469	113.18547	GDA94	Direct	20080225-12	25/02/2008	3:18:03 PM
20080225-13	SBMR_1072	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% hard corals (Acroporidae), <10% <i>Sinularia</i> spp. Soft corals; ~40% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12468	113.18545	GDA94	Direct	20080225-13	25/02/2008	3:18:35 PM
20080225-15	SBMR_1073	Surf Point	Reef (low relief)	1.5	Coral Reef (Mixed) sparse	<20% mixed hard corals (mainly Acroporidae), <20% coral rubble; ~10% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12465	113.18540	GDA94	Direct	20080225-15	25/02/2008	3:19:47 PM
20080225-16	SBMR_1074	Surf Point	Reef (low relief)	1.5	Coral Reef (Mixed) sparse	<20% mixed hard corals, <20% coral rubble; ~10% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12459	113.18523	GDA94	Direct	20080225-16	25/02/2008	3:22:00 PM
20080225-17	SBMR_1075	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) medium	>20% arborescent hard corals (Acroporidae), ~20% turf algae on pavement; some sand inundation	-26.12462	113.18521	GDA94	Direct	20080225-17	25/02/2008	3:22:51 PM
20080225-18	SBMR_1076	Surf Point	Reef (low relief)	1.5	Coral Reef (Mixed) sparse	<20% mixed hard corals, <20% coral rubble; ~20% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12456	113.18521	GDA94	Direct	20080225-18	25/02/2008	3:25:10 PM
20080225-23	SBMR_1077	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% hard corals (Acroporidae), ~40% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12425	113.18504	GDA94	Direct	20080225-23	25/02/2008	3:32:15 PM
20080225-24	SBMR_1078	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) medium	>20% plate hard corals (Acroporidae), ~20% turf algae on pavement; some sand inundation	-26.12476	113.18543	GDA94	Direct	20080225-24	25/02/2008	3:38:54 PM
20080225-26	SBMR_1079	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% hard corals (small poritids), ~40% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.12511	113.18551	GDA94	Direct	20080225-26	25/02/2008	3:43:59 PM
20080225-27	SBMR_1080	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% hard corals (mainly small poritids), ~40% turf algae on pavement; <20% rubble; some sand inundation; sea urchin grazing scars	-26.12533	113.18557	GDA94	Direct	20080225-27	25/02/2008	3:45:42 PM
20080225-28	SBMR_1081	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% hard corals (mainly small poritids), ~40% turf algae on pavement; <30% rubble; some sand inundation; sea urchin grazing scars	-26.12541	113.18560	GDA94	Direct	20080225-28	25/02/2008	3:46:22 PM
20080225-29	SBMR_1082	Surf Point	Reef (low relief)	1.5	Coral Reef (Mixed) medium	~30% hard corals (corymbose, submassive), <10% turf algae on pavement; some sand inundation; <5% rubble	-26.12557	113.18572	GDA94	Direct	20080225-29	25/02/2008	3:48:45 PM
20080225-30	SBMR_1083	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) medium	~30% plate & corymbose hard corals (mainly Acroporidae), ~40% turf algae on pavement; some sand inundation	-26.12567	113.18574	GDA94	Direct	20080225-30	25/02/2008	3:49:46 PM
20080225-31	SBMR_1084	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) medium	~30% plate & corymbose hard corals (mainly Acroporidae), ~40% turf algae on pavement; some sand inundation	-26.12567	113.18583	GDA94	Direct	20080225-31	25/02/2008	3:50:40 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080225-32	SBMR_1 085	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% hard corals (mainly small acroporids), ~40% turf algae on pavement; <30% rubble; some sand inundation; sea urchin grazing scars	-26.12560	113.18610	GDA94	Direct	20080225-32	25/02/2008	3:52:37 PM
20080225-34	SBMR_1 086	Surf Point	Reef (low relief)	1.5	Coral Reef (Acroporidae) medium	~30% corymbose hard corals (mainly Acroporidae >20% and Pocilloporidae <10%), ~40% turf algae on pavement; some sand inundation	-26.12563	113.18625	GDA94	Direct	20080225-34	25/02/2008	3:54:40 PM
20080225-35	SBMR_1 087	Surf Point	Reef (low relief)	1.5	Turf/reef	<10% macroalgae; ~40% turf algae on pavement; <30% rubble; some sand inundation; sea urchin grazing scars	-26.12555	113.18640	GDA94	Direct	20080225-35	25/02/2008	3:56:27 PM
20080225-36	SBMR_1 088	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) medium	>20% <i>Sinularia</i> spp. Soft coral; <5% macroalgae; ~50% turf algae on pavement; some sand inundation	-26.12541	113.18664	GDA94	Direct	20080225-36	25/02/2008	3:59:03 PM
20080225-37	SBMR_1 089	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	>60% <i>Sinularia</i> spp. Soft coral; <5% macroalgae; <10% turf algae on pavement; some sand inundation	-26.12531	113.18674	GDA94	Direct	20080225-37	25/02/2008	4:00:32 PM
20080225-38	SBMR_1 090	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	>60% <i>Sinularia</i> spp. Soft coral; <5% macroalgae; <10% turf algae on pavement; some sand inundation	-26.12518	113.18677	GDA94	Direct	20080225-38	25/02/2008	4:01:59 PM
20080225-39	SBMR_1 091	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) medium	~30% <i>Sinularia</i> spp. Soft coral; <10% Acroporidae hard coral; <5% turf algae on pavement; sand inundation	-26.12505	113.18672	GDA94	Direct	20080225-39	25/02/2008	4:03:43 PM
20080225-40	SBMR_1 092	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) dense	~60% <i>Sinularia</i> spp. Soft coral; <5% turf algae on pavement; sand inundation	-26.12485	113.18668	GDA94	Direct	20080225-40	25/02/2008	4:05:44 PM
20080225-44	SBMR_1 093	Surf Point	Reef (low relief)	1.5	Soft Coral (Alcyoniidae) medium	~30% <i>Sinularia</i> spp. Soft coral; <10% Acroporidae hard coral; <10% turf algae on pavement; sand inundation	-26.12457	113.18660	GDA94	Direct	20080225-44	25/02/2008	4:11:33 PM
20080226-02	SBMR_1 094	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	~25% corymbose hard corals (mainly Acroporidae >20% and Pocilloporidae <5%), ~30% turf algae on pavement; some sand inundation; sea urchin grazing scars	-26.14483	113.16911	GDA94	Direct	20080226-02	26/02/2008	9:06:55 AM
20080226-03	SBMR_1 095	Monkey Rock	Reef (low relief)	1.8	Turf/reef	<10% hard corals (mainly small acroporids), ~40% turf algae on pavement; <10% rubble; some sand inundation; heavy sea urchin grazing scarring	-26.14487	113.16905	GDA94	Direct	20080226-03	26/02/2008	9:07:59 AM
20080226-04	SBMR_1 096	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	<30% plate and corymbose hard corals (mainly small acroporids), <30% turf algae on pavement; some sand inundation; moderate sea urchin grazing scarring	-26.14495	113.16910	GDA94	Direct	20080226-04	26/02/2008	9:09:06 AM
20080226-06	SBMR_1 097	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	<30% plate and corymbose hard corals (mainly small acroporids), <30% turf algae on pavement; some sand inundation; moderate sea urchin grazing scarring	-26.14505	113.16914	GDA94	Direct	20080226-06	26/02/2008	9:10:32 AM
20080226-07	SBMR_1 098	Monkey Rock	Reef (low relief)	1.8	Turf/reef	<10% hard corals (mainly corymbose acroporids and pocilloporids), ~40% turf algae on pavement; <10% rubble; some sand inundation; moderate sea urchin grazing scarring	-26.14516	113.16910	GDA94	Direct	20080226-07	26/02/2008	9:12:19 AM
20080226-08	SBMR_1 099	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) medium	~30% corymbose hard corals (mainly pocilloporids and few acroporids), <30% turf algae on pavement; some sand inundation; heavy sea urchin grazing scarring	-26.14519	113.16906	GDA94	Direct	20080226-08	26/02/2008	9:13:05 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080226-09	SBMR_1 100	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	~30% corymbose hard corals (mainly small acroporids), <30% turf algae on pavement; some sand inundation; moderate sea urchin grazing scarring	-26.14527	113.16902	GDA94	Direct	20080226-09	26/02/2008	9:14:33 AM
20080226-12	SBMR_1 101	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	~40% corymbose hard corals (mainly small acroporids), <30% turf algae on pavement; moderate sea urchin grazing scarring	-26.14544	113.16889	GDA94	Direct	20080226-12	26/02/2008	9:17:29 AM
20080226-13	SBMR_1 102	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	~30% corymbose hard corals (small acroporids and pocilloporids), <30% turf algae on pavement; some sand inundation; moderate sea urchin grazing scarring	-26.14550	113.16880	GDA94	Direct	20080226-13	26/02/2008	9:19:06 AM
20080226-14	SBMR_1 103	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) dense	~50% corymbose hard corals (mainly pocilloporids and few acroporids), <20% turf algae on pavement; some sand inundation; heavy sea urchin grazing scarring	-26.14553	113.16876	GDA94	Direct	20080226-14	26/02/2008	9:19:53 AM
20080226-17	SBMR_1 104	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) medium	~30% corymbose hard corals (mainly pocilloporids and few acroporids), <20% coral rubble; some sand inundation	-26.14546	113.16901	GDA94	Direct	20080226-17	26/02/2008	9:25:36 AM
20080226-18	SBMR_1 105	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) sparse	~20% corymbose hard corals (mainly small acroporids), <30% turf algae on pavement; some sand inundation; moderate sea urchin grazing scarring	-26.14528	113.16913	GDA94	Direct	20080226-18	26/02/2008	9:27:39 AM
20080226-19	SBMR_1 106	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) medium	~40% corymbose hard corals (mainly pocilloporids and few acroporids), <20% coral rubble; some sand inundation	-26.14515	113.16920	GDA94	Direct	20080226-19	26/02/2008	9:29:06 AM
20080226-20	SBMR_1 107	Monkey Rock	Reef (low relief)	1.8	Turf/reef	<10% hard corals (mainly corymbose acroporids and pocilloporids), ~20% turf algae on pavement; <20% rubble; some sand inundation; moderate sea urchin grazing scarring	-26.14506	113.16926	GDA94	Direct	20080226-20	26/02/2008	9:31:26 AM
20080226-21	SBMR_1 108	Monkey Rock	Reef (low relief)	1.8	Turf/reef	~60% turf algae on pavement; <20% rubble; some sand inundation; moderate sea urchin grazing scarring	-26.14505	113.16936	GDA94	Direct	20080226-21	26/02/2008	9:32:57 AM
20080226-22	SBMR_1 109	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) sparse	~20% corymbose hard corals (mainly pocilloporids); ~40% turf algae on pavement; some sand inundation	-26.14503	113.16958	GDA94	Direct	20080226-22	26/02/2008	9:34:58 AM
20080226-23	SBMR_1 110	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) medium	~30% corymbose hard corals (mainly pocilloporids and few acroporids), ~40% turf algae on pavement; some sand inundation	-26.14504	113.16970	GDA94	Direct	20080226-23	26/02/2008	9:36:05 AM
20080226-24	SBMR_1 111	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Pocilloporidae) sparse	>10% corymbose hard corals (mainly pocilloporids and few acroporids); >10 macroalgae (<i>Sargassum</i> spp.); ~40% turf algae on pavement; some sand inundation	-26.14523	113.16979	GDA94	Direct	20080226-24	26/02/2008	9:37:38 AM
20080226-25	SBMR_1 112	Monkey Rock	Reef (low relief)	1.8	Coral Reef (Acroporidae) sparse	>10% corymbose hard corals (mainly acroporids and few pocilloporids); >10 macroalgae (<i>Sargassum</i> spp.); ~40% turf algae on pavement; some sand inundation	-26.14534	113.16964	GDA94	Direct	20080226-25	26/02/2008	9:38:48 AM
20080226-26	SBMR_1 113	Monkey Rock	Reef (low relief)	1.8	Turf/reef	<10% hard corals (mainly corymbose acroporids and pocilloporids), ~20% turf algae on pavement; <20% rubble; some sand inundation	-26.14541	113.16947	GDA94	Direct	20080226-26	26/02/2008	9:39:40 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080226-27	SBMR_1 114	South Sand	Sand (low relief)	1.5	Seagrass (<i>Amphibolis antarctica</i>) medium	Medium seagrass <i>Amphibolis antarctica</i> ; medium epiphyte load; some calcareous red algal balls	-26.12506	113.24805	GDA94	Direct	20080226-27	26/02/2008	10:36:13 AM
20080226-28	SBMR_1 115	South Sand	Sand (low relief)	1.5	Seagrass (<i>Amphibolis antarctica</i>) medium	Medium seagrass <i>Amphibolis antarctica</i> ; medium epiphyte load; some calcareous red algal balls	-26.12512	113.24816	GDA94	Direct	20080226-28	26/02/2008	10:38:42 AM
20080226-29	SBMR_1 116	South Sand	Sand (low relief)	1.5	Sand	Sand patch with some calcareous red algal balls	-26.12518	113.24818	GDA94	Direct	20080226-29	26/02/2008	10:39:41 AM
20080226-31	SBMR_1 117	South Sand	Sand (low relief)	1.5	Sand	Sand patch with calcareous red algal balls	-26.12516	113.24827	GDA94	Direct	20080226-31	26/02/2008	10:41:14 AM
20080226-33	SBMR_1 118	South Sand	Sand (low relief)	2.5	Sand	Sand patch with razor shells	-26.12496	113.24807	GDA94	Direct	20080226-33	26/02/2008	10:44:58 AM
20080226-35	SBMR_1 119	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-26.03442	113.21738	GDA94	Direct	20080226-35	26/02/2008	12:41:31 PM
20080226-36	SBMR_1 120	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >50% dense <i>Turbinaria</i> spp.; sand inundation	-26.03446	113.21743	GDA94	Direct	20080226-36	26/02/2008	12:42:25 PM
20080226-37	SBMR_1 121	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >50% dense <i>Turbinaria</i> spp.; sand inundation	-26.03455	113.21747	GDA94	Direct	20080226-37	26/02/2008	12:43:32 PM
20080226-38	SBMR_1 122	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >30% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03466	113.21741	GDA94	Direct	20080226-38	26/02/2008	12:45:00 PM
20080226-41	SBMR_1 123	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >30% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03468	113.21722	GDA94	Direct	20080226-41	26/02/2008	12:47:12 PM
20080226-42	SBMR_1 124	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >30% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03471	113.21706	GDA94	Direct	20080226-42	26/02/2008	12:48:47 PM
20080226-43	SBMR_1 125	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >50% dense <i>Turbinaria</i> spp.; >20% turf algae on dead coral	-26.03478	113.21695	GDA94	Direct	20080226-43	26/02/2008	12:49:47 PM
20080226-44	SBMR_1 126	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Edge of patch reef; >50% dense <i>Turbinaria</i> spp.; seagrass (<i>Posidonia australis</i>) on sand	-26.03480	113.21688	GDA94	Direct	20080226-44	26/02/2008	12:50:21 PM
20080226-45	SBMR_1 127	Tumbledown Point	Reef (low relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >20% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03482	113.21672	GDA94	Direct	20080226-45	26/02/2008	12:51:22 PM
20080226-46	SBMR_1 128	Tumbledown Point	Reef (low relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >20% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03483	113.21663	GDA94	Direct	20080226-46	26/02/2008	12:51:55 PM
20080226-47	SBMR_1 129	Tumbledown Point	Reef (low relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >20% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03483	113.21647	GDA94	Direct	20080226-47	26/02/2008	12:52:47 PM
20080226-48	SBMR_1 130	Tumbledown Point	Reef (low relief)	1.5	Coral Reef (Dendrophylliidae) medium	Patch reef; >20% medium density <i>Turbinaria</i> spp.; >30% turf algae on dead coral; sand inundation	-26.03483	113.21630	GDA94	Direct	20080226-48	26/02/2008	12:53:38 PM
20080226-49	SBMR_1 131	Tumbledown Point	Reef (low relief)	1.5	Coral Reef (Dendrophylliidae) dense	Edge of patch reef; >50% dense <i>Turbinaria</i> spp.; seagrass (<i>Posidonia australis</i>) on sand	-26.03470	113.21666	GDA94	Direct	20080226-49	26/02/2008	12:55:53 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080226-51	SBMR_1 132	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-26.03463	113.21701	GDA94	Direct	20080226-51	26/02/2008	12:58:22 PM
20080226-52	SBMR_1 133	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-26.03462	113.21703	GDA94	Direct	20080226-52	26/02/2008	12:58:34 PM
20080226-53	SBMR_1 134	Tumbledown Point	Reef (high relief)	1.5	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-26.03457	113.21711	GDA94	Direct	20080226-53	26/02/2008	12:59:40 PM
20080226-54	SBMR_1 135	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98456	113.19105	GDA94	Direct	20080226-54	26/02/2008	3:49:57 PM
20080226-55	SBMR_1 136	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98451	113.19112	GDA94	Direct	20080226-55	26/02/2008	3:51:23 PM
20080226-56	SBMR_1 137	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98444	113.19115	GDA94	Direct	20080226-56	26/02/2008	3:52:56 PM
20080226-58	SBMR_1 138	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98455	113.19085	GDA94	Direct	20080226-58	26/02/2008	3:57:03 PM
20080226-60	SBMR_1 139	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98472	113.19074	GDA94	Direct	20080226-60	26/02/2008	3:59:04 PM
20080226-61	SBMR_1 140	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98488	113.19062	GDA94	Direct	20080226-61	26/02/2008	4:00:41 PM
20080226-62	SBMR_1 141	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98499	113.19046	GDA94	Direct	20080226-62	26/02/2008	4:02:03 PM
20080226-63	SBMR_1 142	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98505	113.19039	GDA94	Direct	20080226-63	26/02/2008	4:02:43 PM
20080226-64	SBMR_1 143	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98523	113.19025	GDA94	Direct	20080226-64	26/02/2008	4:04:33 PM
20080226-65	SBMR_1 144	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >80% dense <i>Turbinaria</i> spp.	-25.98534	113.19011	GDA94	Direct	20080226-65	26/02/2008	4:05:45 PM
20080226-66	SBMR_1 145	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) medium	Patch y area of <i>Turbinaria</i> spp. Colonies; sand inundation	-25.98545	113.18999	GDA94	Direct	20080226-66	26/02/2008	4:06:52 PM
20080226-68	SBMR_1 146	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98555	113.18988	GDA94	Direct	20080226-68	26/02/2008	4:07:58 PM
20080226-69	SBMR_1 147	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation; <10% coral rubble	-25.98563	113.18976	GDA94	Direct	20080226-69	26/02/2008	4:09:04 PM
20080226-70	SBMR_1 148	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation; <10% coral rubble	-25.98568	113.18965	GDA94	Direct	20080226-70	26/02/2008	4:10:01 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080226-71	SBMR_1 149	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation; <10% coral rubble	-25.98538	113.18950	GDA94	Direct	20080226-71	26/02/2008	4:13:51 PM
20080226-72	SBMR_1 150	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation; <10% coral rubble	-25.98532	113.18947	GDA94	Direct	20080226-72	26/02/2008	4:14:16 PM
20080226-73	SBMR_1 151	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) medium	Patch reef; <50% <i>Turbinaria</i> spp.; ~30 turf algae on dead coral; sand inundation; <10% coral rubble	-25.98508	113.18934	GDA94	Direct	20080226-73	26/02/2008	4:15:38 PM
20080226-74	SBMR_1 152	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) medium	Patch reef; <50% <i>Turbinaria</i> spp.; ~30 turf algae on dead coral; sand inundation; <10% coral rubble	-25.98492	113.18926	GDA94	Direct	20080226-74	26/02/2008	4:16:31 PM
20080226-75	SBMR_1 153	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) medium	Patch reef; <50% <i>Turbinaria</i> spp.; ~30 turf algae on dead coral; sand inundation; <10% coral rubble	-25.98477	113.18927	GDA94	Direct	20080226-75	26/02/2008	4:17:38 PM
20080226-76	SBMR_1 154	Homestead Reef	Reef (high relief)	1.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98454	113.18929	GDA94	Direct	20080226-76	26/02/2008	4:19:00 PM
20080226-77	SBMR_1 155	Homestead Reef	Reef (high relief)	2.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98408	113.18935	GDA94	Direct	20080226-77	26/02/2008	4:21:35 PM
20080226-78	SBMR_1 156	Homestead Reef	Reef (high relief)	3.2	Coral Reef (Dendrophylliidae) dense	Patch reef; >60% dense <i>Turbinaria</i> spp.; sand inundation	-25.98390	113.18941	GDA94	Direct	20080226-78	26/02/2008	4:23:06 PM
20080226-79	SBMR_1 157	Homestead Reef	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) medium	Patch reef; ~40% <i>Turbinaria</i> spp.; ~30 turf algae on dead coral; sand inundation; <10% coral rubble; <10% dead coral	-25.98388	113.18943	GDA94	Direct	20080226-79	26/02/2008	4:23:19 PM
20080226-80	SBMR_1 158	Homestead Reef	Reef (low relief)	2.6	Coral Reef (Dendrophylliidae) sparse	<20% <i>Turbinaria</i> spp.; ~40 turf algae on dead coral; sand inundation; <10% dead coral	-25.98302	113.18964	GDA94	Direct	20080226-80	26/02/2008	4:28:03 PM
20080226-81	SBMR_1 159	Homestead Reef	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	~10% <i>Turbinaria</i> spp.; ~50 turf algae on dead coral; <10% dead coral	-25.98256	113.18972	GDA94	Direct	20080226-81	26/02/2008	4:30:04 PM
20080226-82	SBMR_1 160	Homestead Reef	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	<20% <i>Turbinaria</i> spp.; <10% Pocilloporid; ~40% turf algae on dead coral; sand inundation; <10% dead coral	-25.98217	113.18977	GDA94	Direct	20080226-82	26/02/2008	4:33:17 PM
20080226-83	SBMR_1 161	Homestead Reef	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	<20% <i>Turbinaria</i> spp.; <10% Pocilloporid; ~40% turf algae on dead coral; sand inundation; <10% dead coral	-25.98184	113.18972	GDA94	Direct	20080226-83	26/02/2008	4:35:34 PM
20080226-85	SBMR_1 162	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	>20% <i>Turbinaria</i> spp.; <20% Pocilloporid; ~30% turf algae on dead coral; sand inundation; <10% dead coral	-25.98149	113.18966	GDA94	Direct	20080226-85	26/02/2008	4:37:31 PM
20080226-86	SBMR_1 163	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	>30% <i>Turbinaria</i> spp.; <20% Pocilloporid; ~10% turf algae on dead coral; <20% sand inundation; <10% dead coral	-25.98118	113.18965	GDA94	Direct	20080226-86	26/02/2008	4:39:10 PM
20080226-87	SBMR_1 164	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	>30% <i>Turbinaria</i> spp.; <5% Pocilloporid; ~30% turf algae on dead coral; sand inundation	-25.98079	113.18968	GDA94	Direct	20080226-87	26/02/2008	4:41:00 PM
20080226-88	SBMR_1 165	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; <5% Pocilloporid; ~40% turf algae on dead coral; sand inundation	-25.98050	113.18976	GDA94	Direct	20080226-88	26/02/2008	4:42:12 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080226-89	SBMR_1166	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>60% <i>Turbinaria</i> spp.; <5% Pocilloporid; ~10% turf algae on dead coral; sand inundation	-25.98025	113.18985	GDA94	Direct	20080226-89	26/02/2008	4:43:31 PM
20080226-90	SBMR_1167	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; <10% turf algae on dead coral; >20% sand inundation	-25.98017	113.18988	GDA94	Direct	20080226-90	26/02/2008	4:43:56 PM
20080226-91	SBMR_1168	Homestead Reef	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>60% <i>Turbinaria</i> spp.; ~10% turf algae on dead coral; sand inundation	-25.98016	113.18988	GDA94	Direct	20080226-91	26/02/2008	4:44:01 PM
20080227-09	SBMR_1169	Notch Point	Sand (low relief)	1.0	Seagrass (Amphibolis antarctica) dense	100% seagrass; <i>Amphibolis antarctica</i>	-25.94209	113.17177	GDA94	Direct	20080227-09	27/02/2008	9:37:19 AM
20080227-10	SBMR_1170	Egg Island south	Reef (high relief)	2.7	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.; sand inundation	-25.91262	113.15318	GDA94	Direct	20080227-10	27/02/2008	12:34:06 PM
20080227-11	SBMR_1171	Egg Island south	Reef (high relief)	2.7	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.	-25.91270	113.15314	GDA94	Direct	20080227-11	27/02/2008	12:35:07 PM
20080227-12	SBMR_1172	Egg Island south	Reef (high relief)	2.7	Soft Coral (Alcyoniidae) dense	>50% soft corals <i>Sinularia</i> spp.; ~20% <i>Turbinaria</i> spp.	-25.91286	113.15310	GDA94	Direct	20080227-12	27/02/2008	12:36:48 PM
20080227-13	SBMR_1173	Egg Island south	Reef (high relief)	3.7	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~30% soft corals <i>Sinularia</i> spp.	-25.91298	113.15310	GDA94	Direct	20080227-13	27/02/2008	12:37:55 PM
20080227-14	SBMR_1174	Egg Island south	Reef (high relief)	2.7	Coral Reef (Dendrophylliidae) dense	>60% <i>Turbinaria</i> spp.; sand inundation	-25.91299	113.15321	GDA94	Direct	20080227-14	27/02/2008	12:39:31 PM
20080227-15	SBMR_1175	Egg Island south	Reef (high relief)	2.7	Soft Coral (Alcyoniidae) medium	~40% soft corals <i>Sinularia</i> spp.; ~30% <i>Turbinaria</i> spp.	-25.91292	113.15329	GDA94	Direct	20080227-15	27/02/2008	12:40:49 PM
20080227-16	SBMR_1176	Egg Island south	Reef (high relief)	2.7	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.; sand inundation	-25.91275	113.15332	GDA94	Direct	20080227-16	27/02/2008	12:42:23 PM
20080227-17	SBMR_1177	Egg Island south	Sand (low relief)	2.0	Seagrass (<i>Posidonia australis</i>) medium	~50% <i>Posidonia australis</i> seagrass; moderate epiphyte load	-25.91217	113.15305	GDA94	Direct	20080227-17	27/02/2008	12:47:57 PM
20080227-18	SBMR_1178	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.; sand inundation; turf algae	-25.91273	113.15252	GDA94	Direct	20080227-18	27/02/2008	12:53:18 PM
20080227-19	SBMR_1179	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> spp.; ~20% mixed corals.; coral rubble	-25.91279	113.15236	GDA94	Direct	20080227-19	27/02/2008	12:54:33 PM
20080227-20	SBMR_1180	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.; sand inundation; turf algae	-25.91285	113.15221	GDA94	Direct	20080227-20	27/02/2008	12:55:54 PM
20080227-21	SBMR_1181	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.; sand inundation	-25.91285	113.15219	GDA94	Direct	20080227-21	27/02/2008	12:56:00 PM
20080227-22	SBMR_1182	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.; sand inundation	-25.91300	113.15211	GDA94	Direct	20080227-22	27/02/2008	12:57:08 PM
20080227-23	SBMR_1183	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	>60% <i>Turbinaria</i> spp.; ~20% mixed corals.; coral rubble	-25.91334	113.15209	GDA94	Direct	20080227-23	27/02/2008	12:59:49 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080227-24	SBMR_1 184	Egg Island south	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; coral rubble	-25.91335	113.15218	GDA94	Direct	20080227-24	27/02/2008	1:01:04 PM
20080227-25	SBMR_1 185	Egg Island south	Reef (low relief)	2.0	Coral Reef (Dendrophylliidae) medium	>40% <i>Turbinaria</i> spp.; ~20% soft corals.; turf algae	-25.91323	113.15244	GDA94	Direct	20080227-25	27/02/2008	1:05:12 PM
20080227-26	SBMR_1 186	Egg Island north	Reef (high relief)	2.5	Coral Reef (Dendrophylliidae) dense	>60% <i>Turbinaria</i> spp.; sand inundation; edge of reef	-25.90271	113.15693	GDA94	Direct	20080227-26	27/02/2008	2:08:32 PM
20080227-27	SBMR_1 187	Egg Island north	Reef (high relief)	2.5	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.	-25.90268	113.15701	GDA94	Direct	20080227-27	27/02/2008	2:09:42 PM
20080227-28	SBMR_1 188	Egg Island north	Reef (high relief)	2.5	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.; sand inundation; edge of reef	-25.90267	113.15705	GDA94	Direct	20080227-28	27/02/2008	2:10:31 PM
20080227-29	SBMR_1 189	Egg Island north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.	-25.90289	113.15703	GDA94	Direct	20080227-29	27/02/2008	2:13:25 PM
20080227-30	SBMR_1 190	Egg Island north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.	-25.90308	113.15704	GDA94	Direct	20080227-30	27/02/2008	2:14:57 PM
20080227-31	SBMR_1 191	Egg Island north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> spp.	-25.90328	113.15709	GDA94	Direct	20080227-31	27/02/2008	2:16:45 PM
20080227-32	SBMR_1 192	Egg Island north	Reef (low relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp.; coral rubble; sand inundation	-25.90339	113.15714	GDA94	Direct	20080227-32	27/02/2008	2:17:46 PM
20080227-33	SBMR_1 193	Egg Island north	Reef (high relief)	2.5	Coral Reef (Poritidae)	Individual poritid bommie; sand over reef	-25.90342	113.15715	GDA94	Direct	20080227-33	27/02/2008	2:18:00 PM
20080227-35	SBMR_1 194	Egg Island north	Sand (low relief)	2.5	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass; <i>Amphibolis antarctica</i> ; some <i>Sargassum</i> sp.; low epiphyte load	-25.90287	113.15676	GDA94	Direct	20080227-35	27/02/2008	2:25:05 PM
20080227-36	SBMR_1 195	Egg Island north	Sand (low relief)	2.5	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass; <i>Amphibolis antarctica</i> ; some <i>Sargassum</i> sp.; low epiphyte load	-25.90288	113.15675	GDA94	Direct	20080227-36	27/02/2008	2:25:12 PM
20080227-37	SBMR_1 196	Egg Island north	Sand (low relief)	2.5	Seagrass (<i>Amphibolis antarctica</i>) dense	Dense seagrass; <i>Amphibolis antarctica</i> ; some <i>Sargassum</i> sp.; low epiphyte load	-25.90292	113.15659	GDA94	Direct	20080227-37	27/02/2008	2:27:21 PM
20080227-45	SBMR_1 197	Herald Bay north	Reef (low relief)	3.0	Coral Reef (Dendrophylliidae) sparse	<30% <i>Turbinaria</i> spp. Hard corals; ~20% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.86204	113.11946	GDA94	Direct	20080227-45	27/02/2008	4:15:09 PM
20080227-46	SBMR_1 198	Herald Bay north	Reef (low relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp. Hard corals; ~10% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.86196	113.11958	GDA94	Direct	20080227-46	27/02/2008	4:16:15 PM
20080227-47	SBMR_1 199	Herald Bay north	Reef (low relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~30% <i>Turbinaria</i> spp. Hard corals; ~20% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.86189	113.11964	GDA94	Direct	20080227-47	27/02/2008	4:17:06 PM
20080227-48	SBMR_1 200	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.; hard corals	-25.86177	113.11973	GDA94	Direct	20080227-48	27/02/2008	4:18:22 PM
20080227-49	SBMR_1 201	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp. Hard corals; ~25% <i>Sinularia</i> spp. Soft coral; turf algae	-25.86161	113.11980	GDA94	Direct	20080227-49	27/02/2008	4:20:25 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080227-50	SBMR_1 202	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.; ~10% <i>Sinularia</i> spp. Soft coral	-25.86153	113.11977	GDA94	Direct	20080227-50	27/02/2008	4:21:29 PM
20080227-52	SBMR_1 203	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.; ~10% <i>Sinularia</i> spp. Soft coral	-25.86141	113.11976	GDA94	Direct	20080227-52	27/02/2008	4:23:14 PM
20080227-53	SBMR_1 204	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.86133	113.11974	GDA94	Direct	20080227-53	27/02/2008	4:24:44 PM
20080227-54	SBMR_1 205	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.86129	113.11962	GDA94	Direct	20080227-54	27/02/2008	4:26:11 PM
20080227-55	SBMR_1 206	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.86154	113.11949	GDA94	Direct	20080227-55	27/02/2008	4:30:59 PM
20080227-56	SBMR_1 207	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> spp. Hard corals; ~20% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.86170	113.11936	GDA94	Direct	20080227-56	27/02/2008	4:32:21 PM
20080227-57	SBMR_1 208	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; 20% other hard corals; ~10% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.86177	113.11936	GDA94	Direct	20080227-57	27/02/2008	4:32:56 PM
20080227-58	SBMR_1 209	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp. Hard corals; ~20% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.86188	113.11935	GDA94	Direct	20080227-58	27/02/2008	4:33:48 PM
20080227-59	SBMR_1 210	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp. Hard corals; ~20% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.85777	113.11849	GDA94	Direct	20080227-59	27/02/2008	4:47:10 PM
20080227-60	SBMR_1 211	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~10% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.85771	113.11856	GDA94	Direct	20080227-60	27/02/2008	4:47:56 PM
20080227-62	SBMR_1 212	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp. Hard corals; <10% <i>Sinularia</i> spp. Soft coral; sand inundation of reef	-25.85755	113.11869	GDA94	Direct	20080227-62	27/02/2008	4:49:30 PM
20080227-63	SBMR_1 213	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.85744	113.11875	GDA94	Direct	20080227-63	27/02/2008	4:50:27 PM
20080227-64	SBMR_1 214	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.85728	113.11874	GDA94	Direct	20080227-64	27/02/2008	4:51:57 PM
20080227-65	SBMR_1 215	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Poritidae)	Individual poritid bommie; sand over reef	-25.85712	113.11858	GDA94	Direct	20080227-65	27/02/2008	4:54:11 PM
20080227-66	SBMR_1 216	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> spp.; 20% <i>Sinularia</i> spp. Soft coral; individual poritid bommie; sand over reef	-25.85716	113.11855	GDA94	Direct	20080227-66	27/02/2008	4:54:42 PM
20080227-67	SBMR_1 217	Herald Bay north	Reef (low relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40 <i>Sinularia</i> spp. Soft coral; <5% <i>Turbinaria</i> spp.	-25.85731	113.11846	GDA94	Direct	20080227-67	27/02/2008	4:56:01 PM
20080227-68	SBMR_1 218	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~30 <i>Turbinaria</i> spp.; <20% soft coral; ~20% Faviid bommie	-25.85744	113.11844	GDA94	Direct	20080227-68	27/02/2008	4:56:47 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080227-69	SBMR_1 219	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.85646	113.11291	GDA94	Direct	20080227-69	27/02/2008	5:14:24 PM
20080227-70	SBMR_1 220	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp.; ~20% dead coral; turf algae	-25.85633	113.11294	GDA94	Direct	20080227-70	27/02/2008	5:15:42 PM
20080227-71	SBMR_1 221	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp.; ~10% <i>Pocillopora</i> spp.; ~20% dead coral; turf algae	-25.85630	113.11306	GDA94	Direct	20080227-71	27/02/2008	5:17:03 PM
20080227-72	SBMR_1 222	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~10% <i>Pocillopora</i> spp.; ~20% dead coral; turf algae	-25.85634	113.11317	GDA94	Direct	20080227-72	27/02/2008	5:17:48 PM
20080227-73	SBMR_1 223	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp.; ~30% dead coral; turf algae	-25.85639	113.11326	GDA94	Direct	20080227-73	27/02/2008	5:18:27 PM
20080227-74	SBMR_1 224	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~10% <i>Pocillopora</i> spp.; ~20% dead coral; turf algae	-25.85649	113.11330	GDA94	Direct	20080227-74	27/02/2008	5:19:15 PM
20080227-75	SBMR_1 225	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; ~30% dead coral; turf algae; edge of reef	-25.85662	113.11334	GDA94	Direct	20080227-75	27/02/2008	5:20:16 PM
20080227-76	SBMR_1 226	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> spp.; ~10% <i>Pocillopora</i> spp.; ~20% dead coral; turf algae	-25.85685	113.11319	GDA94	Direct	20080227-76	27/02/2008	5:22:23 PM
20080227-77	SBMR_1 227	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; >10% <i>Pocillopora</i> spp.; ~20% dead coral; turf algae	-25.85696	113.11315	GDA94	Direct	20080227-77	27/02/2008	5:23:11 PM
20080227-78	SBMR_1 228	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	>80% <i>Turbinaria</i> spp.	-25.85705	113.11312	GDA94	Direct	20080227-78	27/02/2008	5:23:47 PM
20080227-79	SBMR_1 229	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp.; ~5% dead coral; ~10% <i>Pocillopora</i> spp.; turf algae	-25.85712	113.11302	GDA94	Direct	20080227-79	27/02/2008	5:24:57 PM
20080227-80	SBMR_1 230	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> spp.; sand inundation; turf algae; edge of reef	-25.85711	113.11288	GDA94	Direct	20080227-80	27/02/2008	5:26:12 PM
20080227-84	SBMR_1 231	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~70% <i>Turbinaria</i> spp.; ~10% dead coral; turf algae	-25.85691	113.11291	GDA94	Direct	20080227-84	27/02/2008	5:28:00 PM
20080227-85	SBMR_1 232	Herald Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) dense	~70% <i>Turbinaria</i> spp.; ~10% dead coral; turf algae	-25.85670	113.11289	GDA94	Direct	20080227-85	27/02/2008	5:31:41 PM
20080228-01	SBMR_1 233	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) medium	~10% <i>Acropora</i> sp.; ~20% <i>Turbinaria</i> spp.; ~30% soft coral I spp.; Macroalgae	-25.82880	113.11339	GDA94	Direct	20080228-01	28/02/2008	9:13:01 AM
20080228-02	SBMR_1 234	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) medium	~10% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.; ~20% macroalgae	-25.82865	113.11339	GDA94	Direct	20080228-02	28/02/2008	9:14:52 AM
20080228-03	SBMR_1 235	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.; ~30% macroalgae	-25.82855	113.11327	GDA94	Direct	20080228-03	28/02/2008	9:16:20 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080228-04	SBMR_1 236	Louisa Bay south	Reef (low relief)	1.8	Macroalgae (Phaeophyta) medium	~40% macroalgae; ~20% <i>Turbinaria</i> spp.; ~10% soft coral <i>Sinularia</i> spp.; <i>Sargassum</i> spp.	-25.82849	113.11311	GDA94	Direct	20080228-04	28/02/2008	9:17:29 AM
20080228-05	SBMR_1 237	Louisa Bay south	Reef (low relief)	1.8	Macroalgae (Phaeophyta) dense	~60% macroalgae; ~10% <i>Turbinaria</i> spp.; ~10% soft coral <i>Sinularia</i> spp.; <i>Sargassum</i> spp.	-25.82843	113.11296	GDA94	Direct	20080228-05	28/02/2008	9:18:38 AM
20080228-06	SBMR_1 238	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) medium	~40% soft coral <i>Sinularia</i> spp.; ~20% <i>Turbinaria</i> spp.; ~30% macroalgae; <i>Sargassum</i> spp.	-25.82837	113.11286	GDA94	Direct	20080228-06	28/02/2008	9:19:38 AM
20080228-08	SBMR_1 239	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) medium	~40% soft coral <i>Sinularia</i> spp.; ~20% <i>Turbinaria</i> spp.; ~30% macroalgae; <i>Sargassum</i> spp.	-25.82813	113.11298	GDA94	Direct	20080228-08	28/02/2008	9:22:20 AM
20080228-10	SBMR_1 240	Louisa Bay south	Reef (low relief)	1.8	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> spp.; ~40% macroalgae; <i>Sargassum</i> spp.	-25.82798	113.11310	GDA94	Direct	20080228-10	28/02/2008	9:24:16 AM
20080228-11	SBMR_1 241	Louisa Bay south	Reef (low relief)	1.8	Turf/reef	~70% turf algae on reef pavement; ~10% macroalgae; <i>Sargassum</i> spp.	-25.82791	113.11312	GDA94	Direct	20080228-11	28/02/2008	9:24:49 AM
20080228-12	SBMR_1 242	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp.; ~10% soft coral <i>Sinularia</i> spp.	-25.82783	113.11315	GDA94	Direct	20080228-12	28/02/2008	9:25:29 AM
20080228-13	SBMR_1 243	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp.; ~10% soft coral <i>Sinularia</i> spp.	-25.82777	113.11294	GDA94	Direct	20080228-13	28/02/2008	9:26:46 AM
20080228-14	SBMR_1 244	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> spp.; ~20% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.82772	113.11281	GDA94	Direct	20080228-14	28/02/2008	9:27:38 AM
20080228-15	SBMR_1 245	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> spp.; <10% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.82769	113.11277	GDA94	Direct	20080228-15	28/02/2008	9:28:03 AM
20080228-16	SBMR_1 246	Louisa Bay south	Reef (low relief)	1.8	Macroalgae (Phaeophyta) medium	~30% macroalgae; <10% <i>Turbinaria</i> spp.; some soft coral <i>Sinularia</i> spp.; <i>Sargassum</i> spp.;	-25.82765	113.11273	GDA94	Direct	20080228-16	28/02/2008	9:28:33 AM
20080228-17	SBMR_1 247	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.82760	113.11267	GDA94	Direct	20080228-17	28/02/2008	9:29:18 AM
20080228-18	SBMR_1 248	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~70% <i>Turbinaria</i> spp.; <10% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82751	113.11276	GDA94	Direct	20080228-18	28/02/2008	9:30:02 AM
20080228-19	SBMR_1 249	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; ~20% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.82738	113.11294	GDA94	Direct	20080228-19	28/02/2008	9:31:00 AM
20080228-20	SBMR_1 250	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp.; <10% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82727	113.11309	GDA94	Direct	20080228-20	28/02/2008	9:31:52 AM
20080228-21	SBMR_1 251	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~70% <i>Turbinaria</i> spp.; <10% soft coral <i>Sinularia</i> spp.; sand inundation; ~10% macroalgae; <i>Sargassum</i> spp.	-25.82714	113.11329	GDA94	Direct	20080228-21	28/02/2008	9:33:16 AM
20080228-22	SBMR_1 252	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) dense	~60% soft coral <i>Sinularia</i> spp.; ~5% <i>Turbinaria</i> spp.; ~20% macroalgae; <i>Sargassum</i> spp.	-25.82709	113.11329	GDA94	Direct	20080228-22	28/02/2008	9:33:43 AM
20080228-24	SBMR_1 253	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp.; >10% soft coral <i>Sinularia</i> spp.	-25.82692	113.11314	GDA94	Direct	20080228-24	28/02/2008	9:34:55 AM
20080228-25	SBMR_1 254	Louisa Bay south	Reef (low relief)	1.8	Macroalgae (Phaeophyta) dense	~50% macroalgae; ~20% soft coral <i>Sinularia</i> spp.; <i>Sargassum</i> spp.; sand inundation	-25.82683	113.11305	GDA94	Direct	20080228-25	28/02/2008	9:35:45 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080228-26	SBMR_1 255	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) dense	~50% soft coral <i>Sinularia</i> spp.; ~5% <i>Turbinaria</i> spp.; ~20% macroalgae; <i>Sargassum</i> spp.	-25.82666	113.11306	GDA94	Direct	20080228-26	28/02/2008	9:39:33 AM
20080228-27	SBMR_1 256	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; >10% soft coral <i>Sinularia</i> spp.; ~10% Macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82659	113.11310	GDA94	Direct	20080228-27	28/02/2008	9:40:05 AM
20080228-28	SBMR_1 257	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~80% <i>Turbinaria</i> spp.	-25.82652	113.11313	GDA94	Direct	20080228-28	28/02/2008	9:40:34 AM
20080228-29	SBMR_1 258	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; >20% soft coral <i>Sinularia</i> spp.; ~5% Macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82634	113.11319	GDA94	Direct	20080228-29	28/02/2008	9:41:53 AM
20080228-30	SBMR_1 259	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; >20% soft coral <i>Sinularia</i> spp.; ~5% Macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82624	113.11321	GDA94	Direct	20080228-30	28/02/2008	9:42:30 AM
20080228-31	SBMR_1 260	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) dense	~50% soft coral <i>Sinularia</i> spp.; ~10% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82617	113.11322	GDA94	Direct	20080228-31	28/02/2008	9:42:55 AM
20080228-32	SBMR_1 261	Louisa Bay south	Reef (low relief)	1.8	Macroalgae (Phaeophyta) medium	~40% macroalgae; <i>Sargassum</i> spp.; ~10% <i>Turbinaria</i> spp.; sand inundation	-25.82609	113.11312	GDA94	Direct	20080228-32	28/02/2008	9:44:16 AM
20080228-33	SBMR_1 262	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.	-25.82609	113.11293	GDA94	Direct	20080228-33	28/02/2008	9:45:38 AM
20080228-34	SBMR_1 263	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.; ~5% Macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82609	113.11292	GDA94	Direct	20080228-34	28/02/2008	9:45:44 AM
20080228-35	SBMR_1 264	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82608	113.11281	GDA94	Direct	20080228-35	28/02/2008	9:46:24 AM
20080228-40	SBMR_1 265	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~20% soft coral <i>Sinularia</i> spp.; ~5% Macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82597	113.11262	GDA94	Direct	20080228-40	28/02/2008	9:48:41 AM
20080228-42	SBMR_1 266	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) sparse	~20% soft coral <i>Sinularia</i> spp.; ~5% <i>Turbinaria</i> spp.; <20% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82579	113.11258	GDA94	Direct	20080228-42	28/02/2008	9:50:11 AM
20080228-43	SBMR_1 267	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) dense	~50% soft coral <i>Sinularia</i> spp.; ~20% <i>Turbinaria</i> spp.; some macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82563	113.11255	GDA94	Direct	20080228-43	28/02/2008	9:51:08 AM
20080228-44	SBMR_1 268	Louisa Bay south	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	~40% <i>Acropora</i> spp.; ~20% soft coral <i>Sinularia</i> spp.; turf algae	-25.82553	113.11253	GDA94	Direct	20080228-44	28/02/2008	9:52:02 AM
20080228-46	SBMR_1 269	Louisa Bay south	Reef (low relief)	1.8	Coral Reef (Acroporidae) medium	~40% <i>Turbinaria</i> spp.; 10% Faviid sp.; >30% soft coral <i>Sinularia</i> spp.; ~5% Macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82538	113.11246	GDA94	Direct	20080228-46	28/02/2008	9:54:06 AM
20080228-47	SBMR_1 270	Louisa Bay south	Reef (low relief)	1.8	Soft Coral (Alcyoniidae) medium	~30% soft coral <i>Sinularia</i> spp.; ~20% <i>Turbinaria</i> spp.; ~20% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.82524	113.11238	GDA94	Direct	20080228-47	28/02/2008	9:55:27 AM
20080228-49	SBMR_1 271	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) medium	>30% <i>Turbinaria</i> spp.; 10% <i>Acropora</i> spp.; ~20% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82512	113.11234	GDA94	Direct	20080228-49	28/02/2008	9:56:13 AM
20080228-50	SBMR_1 272	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> spp.; 5% <i>Acropora</i> spp.; >20% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82495	113.11228	GDA94	Direct	20080228-50	28/02/2008	9:57:18 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080228-51	SBMR_1 273	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> spp.; 10% <i>Porites</i> spp.; >5% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82485	113.11228	GDA94	Direct	20080228-51	28/02/2008	9:57:53 AM
20080228-52	SBMR_1 274	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~40% <i>Turbinaria</i> spp.; 20% <i>Acropora</i> spp.; >10% soft coral <i>Sinularia</i> spp.; sand inundation	-25.82468	113.11231	GDA94	Direct	20080228-52	28/02/2008	9:58:58 AM
20080228-53	SBMR_1 275	Louisa Bay south	Reef (high relief)	1.8	Coral Reef (Dendrophylliidae) dense	~70% <i>Turbinaria</i> spp.; ~5% soft coral <i>Sinularia</i> spp.	-25.82465	113.11231	GDA94	Direct	20080228-53	28/02/2008	9:59:10 AM
20080228-54	SBMR_1 276	Louisa Bay south	Reef (low relief)	3.0	Macroalgae (Phaeophyta) medium	~40% macroalgae; <i>Sargassum</i> spp.; ~20% soft coral <i>Sinularia</i> spp.; ~10% <i>Turbinaria</i> spp.; sand inundation	-25.82458	113.11230	GDA94	Direct	20080228-54	28/02/2008	9:59:42 AM
20080228-55	SBMR_1 277	Louisa Bay north	Reef (low relief)	3.0	Soft Coral (Alcyoniidae) medium	~30% soft coral <i>Sinularia</i> spp.; >10% Faviid; ~30% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.77562	113.08637	GDA94	Direct	20080228-55	28/02/2008	11:22:45 AM
20080228-56	SBMR_1 278	Louisa Bay north	Reef (low relief)	3.0	Soft Coral (Alcyoniidae) medium	~30% soft coral <i>Sinularia</i> spp.; >10% Faviid; single colony; ~130% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.77564	113.08636	GDA94	Direct	20080228-56	28/02/2008	11:23:17 AM
20080228-57	SBMR_1 279	Louisa Bay north	Reef (low relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; ~10% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.77566	113.08636	GDA94	Direct	20080228-57	28/02/2008	11:23:52 AM
20080228-58	SBMR_1 280	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; branching acroporid; ~10% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.77571	113.08637	GDA94	Direct	20080228-58	28/02/2008	11:24:38 AM
20080228-59	SBMR_1 281	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% <i>Acropora</i> spp.; branching acroporid; ~10% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.77572	113.08638	GDA94	Direct	20080228-59	28/02/2008	11:24:44 AM
20080228-60	SBMR_1 282	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Dendrophylliidae) medium	~40% <i>Turbinaria</i> spp.; ~30% soft coral <i>Sinularia</i> spp.; sand inundation	-25.77575	113.08641	GDA94	Direct	20080228-60	28/02/2008	11:25:43 AM
20080228-62	SBMR_1 283	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; branching acroporid; ~10% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.77564	113.08653	GDA94	Direct	20080228-62	28/02/2008	11:27:27 AM
20080228-63	SBMR_1 284	Louisa Bay north	Reef (low relief)	3.0	Soft Coral (Alcyoniidae) medium	~40% soft coral <i>Sinularia</i> spp.; >10% Faviid; ~10% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.77559	113.08655	GDA94	Direct	20080228-63	28/02/2008	11:27:49 AM
20080228-64	SBMR_1 285	Louisa Bay north	Reef (low relief)	3.0	Macroalgae (Phaeophyta) medium	~50% macroalgae; <i>Sargassum</i> spp.; ~10% <i>Sinularia</i> spp.; sand inundation	-25.77548	113.08658	GDA94	Direct	20080228-64	28/02/2008	11:28:43 AM
20080228-65	SBMR_1 286	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) medium	~40% <i>Acropora</i> spp.; branching acroporid; ~10% soft coral <i>Sinularia</i> spp.; some macroalgae; sand inundation	-25.77541	113.08660	GDA94	Direct	20080228-65	28/02/2008	11:29:16 AM
20080228-66	SBMR_1 287	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; branching acroporid; ~30% soft coral <i>Sinularia</i> spp.; some turf algae; sand inundation	-25.77537	113.08660	GDA94	Direct	20080228-66	28/02/2008	11:29:36 AM
20080228-68	SBMR_1 288	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; branching acroporid; ~10% soft coral <i>Sinularia</i> spp.; sand inundation	-25.77519	113.08654	GDA94	Direct	20080228-68	28/02/2008	11:31:21 AM
20080228-69	SBMR_1 289	Louisa Bay north	Reef (low relief)	3.0	Soft Coral (Alcyoniidae) dense	~80% soft coral <i>Sinularia</i> spp.	-25.77516	113.08647	GDA94	Direct	20080228-69	28/02/2008	11:31:58 AM
20080228-70	SBMR_1 290	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; branching acroporid; ~10% soft coral <i>Sinularia</i> spp.; sand inundation	-25.77511	113.08625	GDA94	Direct	20080228-70	28/02/2008	11:33:37 AM
20080228-71	SBMR_1 291	Louisa Bay north	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> spp.; branching acroporid; ~20% soft coral <i>Sinularia</i> spp.; sand inundation	-25.77512	113.08625	GDA94	Direct	20080228-71	28/02/2008	11:33:53 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080228-74	SBMR_1 292	Louisa Bay north	Reef (low relief)	3.0	Coral Reef (Acroporidae) sparse	~20% <i>Acropora</i> spp.; branching acroporid; ~10% Faviid; ~20% soft coral <i>Sinularia</i> spp.; sand inundation; some turf algae	-25.77531	113.08626	GDA94	Direct	20080228-74	28/02/2008	11:36:32 AM
20080228-75	SBMR_1 293	Louisa Bay north	Reef (low relief)	3.0	Soft Coral (Alcyoniidae) medium	~30% soft coral <i>Sinularia</i> spp.; >10% Faviid; ~10% macroalgae; <i>Sargassum</i> spp.; sand inundation	-25.77541	113.08628	GDA94	Direct	20080228-75	28/02/2008	11:37:24 AM
20080229-01	SBMR_1 294	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> sp.; 30% coral rubble; turf algae on rubble	-25.85132	113.34706	GDA94	Direct	20080229-01	29/02/2008	3:00:33 PM
20080229-02	SBMR_1 295	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	>50% <i>Turbinaria</i> sp.; ~10% soft corals; 10% turf algae on rubble	-25.85136	113.34714	GDA94	Direct	20080229-02	29/02/2008	3:01:33 PM
20080229-04	SBMR_1 296	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) medium	~40 <i>Turbinaria</i> sp.; turf algae on reef; ~10% other corals, <i>Acropora</i> sp. And <i>Pocillopora</i> sp.	-25.85184	113.34714	GDA94	Direct	20080229-04	29/02/2008	3:05:34 PM
20080229-06	SBMR_1 297	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> sp.; 30% coral rubble; turf algae on rubble	-25.85223	113.34702	GDA94	Direct	20080229-06	29/02/2008	3:09:00 PM
20080229-07	SBMR_1 298	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	>70% <i>Turbinaria</i> sp.; 10% coral rubble; turf algae on rubble	-25.85217	113.34716	GDA94	Direct	20080229-07	29/02/2008	3:11:01 PM
20080229-08	SBMR_1 299	Bar Flats	Reef (low relief)	3.3	Coral Reef (Mixed) medium	~20% <i>Acropora</i> sp.; ~35% <i>Millepora</i> sp.; ~10% coral rubble; turf algae on rubble	-25.85238	113.34723	GDA94	Direct	20080229-08	29/02/2008	3:12:24 PM
20080229-09	SBMR_1 300	Bar Flats	Reef (low relief)	3.3	Coral Reef (Dendrophylliidae) medium	>30% <i>Turbinaria</i> sp.; ~10% <i>Pocillopora</i> spp.; 20% turf algae on reef	-25.85241	113.34731	GDA94	Direct	20080229-09	29/02/2008	3:13:15 PM
20080229-10	SBMR_1 301	Bar Flats	Reef (low relief)	3.3	Coral Reef (Dendrophylliidae) sparse	<20% <i>Turbinaria</i> sp.; ~30% turf algae on reef and rubble; ~25% coral rubble	-25.85255	113.34726	GDA94	Direct	20080229-10	29/02/2008	3:14:22 PM
20080229-11	SBMR_1 302	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	>50% <i>Turbinaria</i> sp.; ~10% turf algae on reef and rubble; ~20% coral rubble	-25.85248	113.34708	GDA94	Direct	20080229-11	29/02/2008	3:16:08 PM
20080229-12	SBMR_1 303	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> sp.; ~20% turf algae on reef and rubble; ~20% coral rubble; sand inundation	-25.85249	113.34708	GDA94	Direct	20080229-12	29/02/2008	3:16:13 PM
20080229-13	SBMR_1 304	Bar Flats	Reef (low relief)	3.3	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> sp.; ~30% turf algae on reef and rubble; ~20% coral rubble; sand inundation	-25.85250	113.34697	GDA94	Direct	20080229-13	29/02/2008	3:17:40 PM
20080229-14	SBMR_1 305	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	>90% <i>Turbinaria</i> sp.	-25.85245	113.34703	GDA94	Direct	20080229-14	29/02/2008	3:19:53 PM
20080229-15	SBMR_1 306	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) dense	>50% <i>Turbinaria</i> sp.; ~30% turf algae on reef and rubble	-25.85239	113.34702	GDA94	Direct	20080229-15	29/02/2008	3:20:36 PM
20080229-16	SBMR_1 307	Bar Flats	Reef (high relief)	3.3	Coral Reef (Dendrophylliidae) medium	~25% <i>Turbinaria</i> sp.; ~15% soft coral <i>Sinularia</i> sp.; ~20% turf algae on reef and rubble	-25.85228	113.34697	GDA94	Direct	20080229-16	29/02/2008	3:21:43 PM
20080229-17	SBMR_1 308	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~80% soft coral; <i>Sinularia</i> spp.	-25.76467	113.07997	GDA94	Direct	20080229-17	29/02/2008	5:00:23 PM
20080229-18	SBMR_1 309	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~80% soft coral; <i>Sinularia</i> spp.; few hard corals	-25.76475	113.08003	GDA94	Direct	20080229-18	29/02/2008	5:01:13 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080229-19	SBMR_1 310	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~70% soft coral; <i>Sinularia</i> spp.; turf algae on reef; few hard corals	-25.76476	113.08021	GDA94	Direct	20080229-19	29/02/2008	5:02:12 PM
20080229-20	SBMR_1 311	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~70% soft coral; <i>Sinularia</i> spp.; turf algae on reef; few hard corals	-25.76474	113.08036	GDA94	Direct	20080229-20	29/02/2008	5:03:07 PM
20080229-21	SBMR_1 312	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~80% soft coral; <i>Sinularia</i> spp.; turf algae on reef	-25.76476	113.08050	GDA94	Direct	20080229-21	29/02/2008	5:04:18 PM
20080229-23	SBMR_1 313	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~70% soft coral; <i>Sinularia</i> spp.; some rubble; turf algae on reef/rubble	-25.76479	113.08040	GDA94	Direct	20080229-23	29/02/2008	5:06:10 PM
20080229-24	SBMR_1 314	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) medium	~50% soft coral; <i>Sinularia</i> spp.; some rubble; turf algae on reef/rubble	-25.76492	113.08036	GDA94	Direct	20080229-24	29/02/2008	5:07:02 PM
20080229-25	SBMR_1 315	South of Sandy Point	Reef (high relief)	2.6	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> sp.; coral rubble, turf algae on reef/rubble	-25.76487	113.08029	GDA94	Direct	20080229-25	29/02/2008	5:08:16 PM
20080229-26	SBMR_1 316	South of Sandy Point	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) dense	~70% soft coral; <i>Sinularia</i> spp.; some rubble; turf algae on reef/rubble	-25.76463	113.08019	GDA94	Direct	20080229-26	29/02/2008	5:10:07 PM
20080229-30	SBMR_1 317	South of Sandy Point	Reef (high relief)	5.0	Coral Reef (Faviidae) dense	60% <i>Platygyra</i> sp. Submassive coral	-25.76637	113.08266	GDA94	Direct	20080229-30	29/02/2008	5:31:18 PM
20080229-31	SBMR_1 318	South of Sandy Point	Reef (high relief)	5.0	Soft Coral (Alcyoniidae) sparse	<20% soft coral; <i>Sinularia</i> spp.; some dead branching corals and rubble; turf algae on reef/rubble	-25.76640	113.08251	GDA94	Direct	20080229-31	29/02/2008	5:32:31 PM
20080229-32	SBMR_1 319	South of Sandy Point	Reef (high relief)	5.0	Coral Reef (Acroporidae) dense	>80% <i>Acropora</i> sp.; arborescent; some dead coral; , turf algae on reef/rubble	-25.76641	113.08249	GDA94	Direct	20080229-32	29/02/2008	5:32:39 PM
20080229-34	SBMR_1 320	South of Sandy Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	100% <i>Acropora</i> sp.; arborescent	-25.75901	113.08004	GDA94	Direct	20080229-34	29/02/2008	5:50:41 PM
20080229-35	SBMR_1 321	South of Sandy Point	Reef (high relief)	3.0	Soft Coral (Alcyoniidae) dense	~70% soft coral; <i>Sinularia</i> sp.; >20% <i>Acropora</i> sp.; some rubble; turf algae on reef/rubble	-25.75895	113.08006	GDA94	Direct	20080229-35	29/02/2008	5:51:43 PM
20080229-36	SBMR_1 322	South of Sandy Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> sp.; coral rubble, turf algae on reef/rubble; sand inundation	-25.75892	113.08021	GDA94	Direct	20080229-36	29/02/2008	5:52:33 PM
20080229-37	SBMR_1 323	South of Sandy Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~50% <i>Acropora</i> sp.; ~20% soft coral; <i>Sinularia</i> sp.; some rubble; sand inundation	-25.75893	113.08026	GDA94	Direct	20080229-37	29/02/2008	5:52:44 PM
20080229-38	SBMR_1 324	South of Sandy Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~50% <i>Acropora</i> sp.; ~30% soft coral; <i>Sinularia</i> sp.; some rubble; sand inundation	-25.75892	113.08032	GDA94	Direct	20080229-38	29/02/2008	5:53:50 PM
20080229-39	SBMR_1 325	South of Sandy Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) medium	<50% <i>Acropora</i> sp.; ~30% soft coral; <i>Sinularia</i> sp.; some rubble; sand inundation	-25.75892	113.08032	GDA94	Direct	20080229-39	29/02/2008	5:53:53 PM
20080229-40	SBMR_1 326	South of Sandy Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) medium	<50% <i>Acropora</i> sp.; ~30% soft coral; <i>Sinularia</i> sp.; some rubble; sand inundation	-25.75899	113.08037	GDA94	Direct	20080229-40	29/02/2008	5:54:40 PM
20080301-01	SBMR_1 327	Sandy Point	Reef (high relief)	2.3	Coral Reef (Mixed) medium	~30% hard corals; arborescent acroporids and poritids; turf algae on reef & rubble	-25.72642	113.09025	GDA94	Direct	20080301-01	01/03/2008	12:19:34 PM
20080301-02	SBMR_1 328	Sandy Point	Reef (high relief)	2.3	Coral Reef (Mixed) medium	~30% hard corals; tabular and arborescent acroporids; some faviids; ~20% soft coral <i>Sinularia</i> sp.; turf algae on reef & rubble	-25.72639	113.09022	GDA94	Direct	20080301-02	01/03/2008	12:20:09 PM
20080301-04	SBMR_1 329	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	>40% hard corals; tabular and arborescent <i>Acropora</i> sp.; tabular <i>Montipora</i> sp.; ~20% soft coral <i>Sinularia</i> sp.; turf algae on reef & rubble	-25.72611	113.09003	GDA94	Direct	20080301-04	01/03/2008	12:23:30 PM
20080301-06	SBMR_1 330	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	>40% corymbose and arborescent <i>Acropora</i> sp.; ~20% soft coral <i>Sinularia</i> sp.; turf algae on reef & rubble	-25.72595	113.09005	GDA94	Direct	20080301-06	01/03/2008	12:25:03 PM
20080301-07	SBMR_1 331	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~30% <i>Sinularia</i> sp. Soft corals; <10% <i>Acropora</i> sp.; <10% <i>Pocillopora</i> sp.; ~30% turf algae on reef	-25.72594	113.09005	GDA94	Direct	20080301-07	01/03/2008	12:25:17 PM
20080301-09	SBMR_1 332	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~30% <i>Sinularia</i> sp. Soft corals; <10% <i>Acropora</i> sp.; <10% <i>Pocillopora</i> sp.; ~30% turf algae on reef	-25.72579	113.09011	GDA94	Direct	20080301-09	01/03/2008	12:27:27 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080301-11	SBMR_1 333	Sandy Point	Reef (high relief)	2.3	Coral Reef (Mixed) dense	>40% mixed corals; Poritids; montiporids; semi-encrusting; turf algae on reef	-25.72572	113.09015	GDA94	Direct	20080301-11	01/03/2008	12:28:13 PM
20080301-13	SBMR_1 334	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~40% plate <i>Acropora</i> sp.; ~10% arborescent <i>Acropora</i> sp.; <10% <i>Sinularia</i> sp. Soft coral	-25.72570	113.09023	GDA94	Direct	20080301-13	01/03/2008	12:30:26 PM
20080301-14	SBMR_1 335	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~50% <i>Sinularia</i> sp. Soft corals; <30% <i>Acropora</i> sp. Dead or rubble; turf algae on rubble	-25.72569	113.09034	GDA94	Direct	20080301-14	01/03/2008	12:31:12 PM
20080301-15	SBMR_1 336	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~70% acropoid plates; some soft corals <i>Sinularia</i> sp.; plate corals have turf algae on top surface	-25.72567	113.09038	GDA94	Direct	20080301-15	01/03/2008	12:31:39 PM
20080301-16	SBMR_1 337	Sandy Point	Reef (low relief)	2.3	Turf/reef	100% turf algae on reef; <i>Caulerpa</i> sp.	-25.72560	113.09044	GDA94	Direct	20080301-16	01/03/2008	12:32:23 PM
20080301-17	SBMR_1 338	Sandy Point	Reef (low relief)	2.3	Soft Coral (Alcyoniidae) medium	~40% <i>Sinularia</i> sp. Soft corals; turf algae on reef	-25.72559	113.09044	GDA94	Direct	20080301-17	01/03/2008	12:32:30 PM
20080301-18	SBMR_1 339	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~50% <i>Acropora</i> sp.; plates and corymbose forms; ~25% soft corals <i>Sinularia</i> sp.; turf algae on reef	-25.72554	113.09053	GDA94	Direct	20080301-18	01/03/2008	12:33:23 PM
20080301-19	SBMR_1 340	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) medium	~30% <i>Acropora</i> sp.; arborescent forms; ~10% soft corals <i>Sinularia</i> sp.; Dead corals; turf algae on reef & rubble	-25.72548	113.09058	GDA94	Direct	20080301-19	01/03/2008	12:34:02 PM
20080301-20	SBMR_1 341	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~50% arborescent <i>Acropora</i> sp.; ~25% soft corals <i>Sinularia</i> sp.; a submassive Faviidae coral	-25.72534	113.09066	GDA94	Direct	20080301-20	01/03/2008	12:35:02 PM
20080301-21	SBMR_1 342	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~70% arborescent <i>Acropora</i> sp.; ~25% soft corals <i>Sinularia</i> sp.	-25.72531	113.09067	GDA94	Direct	20080301-21	01/03/2008	12:35:28 PM
20080301-22	SBMR_1 343	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~50% arborescent <i>Acropora</i> sp.; ~30% soft corals <i>Sinularia</i> sp.	-25.72530	113.09067	GDA94	Direct	20080301-22	01/03/2008	12:35:33 PM
20080301-23	SBMR_1 344	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> sp.; plates and arborescent forms; ~10% soft corals <i>Sinularia</i> sp.	-25.72529	113.09083	GDA94	Direct	20080301-23	01/03/2008	12:36:37 PM
20080301-24	SBMR_1 345	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) medium	~40% <i>Acropora</i> sp.; plates and corymbose forms; some <i>Pocillopora</i> sp.; ~25% soft corals <i>Sinularia</i> sp.; turf algae on reef	-25.72539	113.09091	GDA94	Direct	20080301-24	01/03/2008	12:37:24 PM
20080301-25	SBMR_1 346	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) medium	~40% <i>Acropora</i> sp.; plates and corymbose forms; some <i>Pocillopora</i> sp.; ~25% soft corals <i>Sinularia</i> sp.; turf algae on reef	-25.72554	113.09094	GDA94	Direct	20080301-25	01/03/2008	12:38:15 PM
20080301-26	SBMR_1 347	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> sp.; plates and branching forms; ~20% soft corals <i>Sinularia</i> sp.	-25.72555	113.09094	GDA94	Direct	20080301-26	01/03/2008	12:38:26 PM
20080301-27	SBMR_1 348	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) sparse	~20% <i>Acropora</i> sp.; plates and branching forms; ~20% soft corals <i>Sinularia</i> sp.; turf algae on reef; some sand inundation	-25.72569	113.09096	GDA94	Direct	20080301-27	01/03/2008	12:39:22 PM
20080301-28	SBMR_1 349	Sandy Point	Reef (low relief)	2.3	Coral Reef (Acroporidae) sparse	<20% <i>Acropora</i> sp.; plate form; ~20% soft corals <i>Sinularia</i> sp.; turf algae on reef; some sand inundation	-25.72587	113.09100	GDA94	Direct	20080301-28	01/03/2008	12:40:38 PM
20080301-29	SBMR_1 350	Sandy Point	Reef (low relief)	2.3	Coral Reef (Mixed) sparse	<20% mixed corals; corymbose form; ~20% soft corals <i>Sinularia</i> sp.; turf algae on reef and oral rubble; some sand inundation	-25.72587	113.09101	GDA94	Direct	20080301-29	01/03/2008	12:40:41 PM
20080301-31	SBMR_1 351	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~30% <i>Sinularia</i> sp. Soft corals; ~10% Favid bommie; Reef rubble; turf algae of rubble turf algae on reef & rubble	-25.72596	113.09101	GDA94	Direct	20080301-31	01/03/2008	12:42:31 PM
20080301-32	SBMR_1 352	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) sparse	~20% <i>Acropora</i> sp.; plates and corymbose forms; ~20% soft corals <i>Sinularia</i> sp.; turf algae on reef; some sand inundation	-25.72607	113.09102	GDA94	Direct	20080301-32	01/03/2008	12:43:08 PM
20080301-33	SBMR_1 353	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~40% <i>Sinularia</i> sp. Soft corals; <20% <i>Acropora</i> sp. Plates; turf algae on rubble	-25.72617	113.09102	GDA94	Direct	20080301-33	01/03/2008	12:43:48 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080301-34	SBMR_1 354	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~40% <i>Sinularia</i> sp. Soft corals; <20% mixed hard corals; <i>Montipora</i> sp.; plates; turf algae on rubble	-25.72632	113.09087	GDA94	Direct	20080301-34	01/03/2008	12:45:44 PM
20080301-35	SBMR_1 355	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) dense	>50% <i>Sinularia</i> sp. Soft corals; <20% <i>Acropora</i> sp. Plates; turf algae on rubble	-25.72643	113.09077	GDA94	Direct	20080301-35	01/03/2008	12:46:43 PM
20080301-36	SBMR_1 356	Sandy Point	Reef (high relief)	2.3	Soft Coral (Alcyoniidae) medium	~40% <i>Sinularia</i> sp. Soft corals; <10% mixed hard corals; <i>Montipora</i> sp. Plates; turf algae on reef	-25.72645	113.09065	GDA94	Direct	20080301-36	01/03/2008	12:47:31 PM
20080301-38	SBMR_1 357	Sandy Point	Reef (high relief)	2.3	Coral Reef (Acroporidae) medium	~30% <i>Acropora</i> sp. Plates; some <i>Pocillopora</i> sp.; ~10% soft corals <i>Sinularia</i> sp.; turf algae on reef and rubble	-25.72647	113.09043	GDA94	Direct	20080301-38	01/03/2008	12:49:09 PM
20080301-42	SBMR_1 358	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	~60% <i>Acropora</i> sp. Plates; some branching; turf algae on reef and rubble	-25.57834	113.02275	GDA94	Direct	20080301-42	01/03/2008	5:16:09 PM
20080301-43	SBMR_1 359	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~40% <i>Acropora</i> sp. Plates; ~10% <i>Turbinaria</i> sp.; turf algae on reef and rubble	-25.57833	113.02276	GDA94	Direct	20080301-43	01/03/2008	5:16:26 PM
20080301-44	SBMR_1 360	Withnell Point	Reef (low relief)	2.0	Turf/reef	80% turf algae on reef; small <i>Acropora</i> colonies	-25.57831	113.02268	GDA94	Direct	20080301-44	01/03/2008	5:17:07 PM
20080301-45	SBMR_1 361	Withnell Point	Reef (low relief)	2.0	Coral Reef (Acroporidae) medium	~20% corymbose <i>Acropora</i> sp.; turf algae on reef and rubble	-25.57834	113.02263	GDA94	Direct	20080301-45	01/03/2008	5:18:16 PM
20080301-46	SBMR_1 362	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~40% tabular <i>Acropora</i> sp.; turf algae on reef and rubble	-25.57836	113.02264	GDA94	Direct	20080301-46	01/03/2008	5:18:27 PM
20080301-47	SBMR_1 363	Withnell Point	Reef (low relief)	2.0	Turf/reef	80% turf algae on reef; small <i>Acropora</i> colonies	-25.57831	113.02257	GDA94	Direct	20080301-47	01/03/2008	5:19:29 PM
20080301-48	SBMR_1 364	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~40% tabular <i>Acropora</i> sp.; turf algae on reef and rubble	-25.57826	113.02254	GDA94	Direct	20080301-48	01/03/2008	5:19:49 PM
20080301-49	SBMR_1 365	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~30% corymbose <i>Acropora</i> sp.; turf algae on reef and rubble	-25.57828	113.02256	GDA94	Direct	20080301-49	01/03/2008	5:20:22 PM
20080301-50	SBMR_1 366	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~30% tabular <i>Acropora</i> sp.; turf algae on reef and rubble; sand inundation	-25.57823	113.02256	GDA94	Direct	20080301-50	01/03/2008	5:20:55 PM
20080301-52	SBMR_1 367	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~40% mixed corals; tabular and branching <i>Acropora</i> sp	-25.57824	113.02250	GDA94	Direct	20080301-52	01/03/2008	5:21:42 PM
20080301-54	SBMR_1 368	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	100% Tabular <i>Acropora</i> sp.	-25.57822	113.02241	GDA94	Direct	20080301-54	01/03/2008	5:23:34 PM
20080301-55	SBMR_1 369	Withnell Point	Reef (high relief)	2.0	Coral Reef (Dendrophylliidae) sparse	20% <i>Turbinaria</i> sp; some soft corals <i>Sinularia</i> sp.	-25.57830	113.02230	GDA94	Direct	20080301-55	01/03/2008	5:24:46 PM
20080301-58	SBMR_1 370	Withnell Point	Reef (low relief)	2.0	Soft Coral (Alcyoniidae) sparse	~20% <i>Sinularia</i> sp. Soft coral; sand inundation on turf algae covered reef	-25.57830	113.02225	GDA94	Direct	20080301-58	01/03/2008	5:25:38 PM
20080301-60	SBMR_1 371	Withnell Point	Reef (low relief)	2.0	Turf/reef	Turf algae covered reef pavement	-25.57831	113.02213	GDA94	Direct	20080301-60	01/03/2008	5:26:19 PM
20080301-61	SBMR_1 372	Withnell Point	Reef (low relief)	2.0	Soft Coral (Alcyoniidae) sparse	~20% <i>Sinularia</i> sp. Soft coral; sand inundation on turf algae covered reef	-25.57815	113.02210	GDA94	Direct	20080301-61	01/03/2008	5:28:08 PM
20080301-62	SBMR_1 373	Withnell Point	Reef (low relief)	2.0	Coral Reef (Mixed) sparse	~20% mixed hard corals; <i>Turbinaria</i> sp.; corymbose <i>Acropora</i> sp; sand inundation on reef pavement; ~10% <i>Sinularia</i> sp. Soft corals	-25.57806	113.02210	GDA94	Direct	20080301-62	01/03/2008	5:28:35 PM
20080301-64	SBMR_1 374	Withnell Point	Reef (low relief)	2.0	Turf/reef	<10% <i>Sinularia</i> sp. Soft corals; ~80% turf algae on reef pavement	-25.57786	113.02218	GDA94	Direct	20080301-64	01/03/2008	5:29:58 PM
20080301-66	SBMR_1 375	Withnell Point	Reef (low relief)	2.0	Turf/reef	Turf algae covered reef pavement	-25.57777	113.02220	GDA94	Direct	20080301-66	01/03/2008	5:30:53 PM
20080301-67	SBMR_1 376	Withnell Point	Reef (low relief)	2.0	Soft Coral (Alcyoniidae) sparse	~20% <i>Sinularia</i> sp. Soft coral; sand inundation on turf algae covered reef	-25.57771	113.02221	GDA94	Direct	20080301-67	01/03/2008	5:31:12 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080301-69	SBMR_1 377	Withnell Point	Reef (low relief)	2.0	Coral Reef (Acroporidae) sparse	~20% tabular and corymbose <i>Acropora</i> sp.; sand inundation on reef pavement; ~10% <i>Sinularia</i> sp. Soft corals; turf algae on reef; rubble	-25.57765	113.02227	GDA94	Direct	20080301-69	01/03/2008	5:31:42 PM
20080301-70	SBMR_1 378	Withnell Point	Reef (low relief)	2.0	Coral Reef (Mixed) sparse	~20% mixed hard corals; <i>Turbinaria</i> sp.; corymbose <i>Acropora</i> sp.; rubble; turf algae on reef pavement; ~10% <i>Sinularia</i> sp. Soft corals	-25.57764	113.02227	GDA94	Direct	20080301-70	01/03/2008	5:31:47 PM
20080301-71	SBMR_1 379	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	<40% tabular <i>Acropora</i> sp.; turf algae on reef and rubble	-25.57768	113.02231	GDA94	Direct	20080301-71	01/03/2008	5:32:09 PM
20080301-72	SBMR_1 380	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	~50% tabular <i>Acropora</i> sp.; turf algae on reef and rubble	-25.57768	113.02231	GDA94	Direct	20080301-72	01/03/2008	5:32:14 PM
20080301-74	SBMR_1 381	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	Patch reef of tabular <i>Acropora</i> sp. Plates; sand inundated reef pavement	-25.57775	113.02237	GDA94	Direct	20080301-74	01/03/2008	5:32:59 PM
20080301-75	SBMR_1 382	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	~30% patch reef of tabular <i>Acropora</i> sp. Plates; ~10% <i>Turbinaria</i> sp.; sand inundated reef pavement	-25.57783	113.02245	GDA94	Direct	20080301-75	01/03/2008	5:33:35 PM
20080301-76	SBMR_1 383	Withnell Point	Reef (low relief)	2.0	Coral Reef (Acroporidae) dense	~80% corymbose <i>Acropora</i> sp.; some <i>Sinularia</i> sp. Soft corals	-25.57784	113.02249	GDA94	Direct	20080301-76	01/03/2008	5:33:53 PM
20080301-78	SBMR_1 384	Withnell Point	Reef (high relief)	2.0	Turf/reef	Turf algae covered high profile reef; some soft corals, some corymbose <i>Acropora</i> sp.	-25.57794	113.02262	GDA94	Direct	20080301-78	01/03/2008	5:34:59 PM
20080301-79	SBMR_1 385	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	80% patch reef of tabular <i>Acropora</i> sp. Plates; sand inundated reef pavement; turf algae on reef	-25.57797	113.02266	GDA94	Direct	20080301-79	01/03/2008	5:35:29 PM
20080301-80	SBMR_1 386	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	~50% tabular and corymbose <i>Acropora</i> sp.; turf algae on reef and rubble; some sand inundation	-25.57802	113.02265	GDA94	Direct	20080301-80	01/03/2008	5:36:02 PM
20080301-85	SBMR_1 387	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	~50% tabular and corymbose <i>Acropora</i> sp.; turf algae on reef and rubble; some sand inundation	-25.57814	113.02272	GDA94	Direct	20080301-85	01/03/2008	5:37:59 PM
20080301-88	SBMR_1 388	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) medium	<40% semi-encrusting <i>Acropora</i> sp.; turf algae on reef and rubble; some sand inundation	-25.57816	113.02276	GDA94	Direct	20080301-88	01/03/2008	5:39:03 PM
20080301-89	SBMR_1 389	Withnell Point	Reef (high relief)	2.0	Coral Reef (Mixed) medium	~40 mixed corals; Corymbose <i>Acropora</i> sp. Favids; other encrusting coral possible <i>Montipora</i> sp.	-25.57815	113.02278	GDA94	Direct	20080301-89	01/03/2008	5:39:08 PM
20080301-90	SBMR_1 390	Withnell Point	Reef (high relief)	2.0	Coral Reef (Acroporidae) dense	~80% plate and corymbose <i>Acropora</i> sp.; some <i>Sinularia</i> sp. Soft corals	-25.57815	113.02279	GDA94	Direct	20080301-90	01/03/2008	5:39:14 PM
20080302-02	SBMR_1 391	North of Withnell Point	Reef (low relief)	3.0	Coral Reef (Acroporidae) dense	~40% corymbose <i>Acropora</i> sp.; some <i>Turbinaria</i> sp.; turf algae on reef	-25.56739	113.01997	GDA94	Direct	20080302-02	02/03/2008	10:38:50 AM
20080302-03	SBMR_1 392	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) medium	~30% corymbose and arborescent <i>Acropora</i> sp.; some <i>Sinularia</i> sp. Soft corals; turf algae on reef; sand	-25.56746	113.01994	GDA94	Direct	20080302-03	02/03/2008	10:39:34 AM
20080302-04	SBMR_1 393	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% tabular, corymbose and arborescent <i>Acropora</i> sp.; turf algae on reef; rubble; sand inundation	-25.56751	113.01991	GDA94	Direct	20080302-04	02/03/2008	10:40:09 AM
20080302-06	SBMR_1 394	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% corymbose and arborescent <i>Acropora</i> sp.; turf algae on reef	-25.56753	113.01988	GDA94	Direct	20080302-06	02/03/2008	10:40:41 AM
20080302-07	SBMR_1 395	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~80% arborescent and corymbose <i>Acropora</i> sp.	-25.56755	113.01984	GDA94	Direct	20080302-07	02/03/2008	10:41:15 AM
20080302-09	SBMR_1 396	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% arborescent and tabular <i>Acropora</i> sp.; sand	-25.56757	113.01977	GDA94	Direct	20080302-09	02/03/2008	10:42:59 AM
20080302-10	SBMR_1 397	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% arborescent and tabular <i>Acropora</i> sp.; Sand	-25.56766	113.01964	GDA94	Direct	20080302-10	02/03/2008	10:44:16 AM
20080302-11	SBMR_1 398	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% arborescent and tabular <i>Acropora</i> sp.; Sand	-25.56771	113.01952	GDA94	Direct	20080302-11	02/03/2008	10:45:00 AM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080302-12	SBMR_1 399	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~90% arborescent and tabular <i>Acropora</i> sp.; Sand	-25.56771	113.01946	GDA94	Direct	20080302-12	02/03/2008	10:45:30 AM
20080302-13	SBMR_1 400	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% dead arborescent <i>Acropora</i> sp.; 20% macroalgae (Rhodophyta)	-25.56775	113.01939	GDA94	Direct	20080302-13	02/03/2008	10:46:05 AM
20080302-14	SBMR_1 401	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% arborescent <i>Acropora</i> sp.; 50% dead; 20% macroalgae (Rhodophyta)	-25.56781	113.01932	GDA94	Direct	20080302-14	02/03/2008	10:46:41 AM
20080302-16	SBMR_1 402	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~90% arborescent <i>Acropora</i> sp.; 80% dead	-25.56788	113.01926	GDA94	Direct	20080302-16	02/03/2008	10:47:27 AM
20080302-18	SBMR_1 403	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~90% arborescent <i>Acropora</i> sp.; 80% dead	-25.56795	113.01920	GDA94	Direct	20080302-18	02/03/2008	10:48:03 AM
20080302-19	SBMR_1 404	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~80% arborescent <i>Acropora</i> sp.; 75% dead; 30% macroalgae (Rhodophyta)	-25.56803	113.01910	GDA94	Direct	20080302-19	02/03/2008	10:48:54 AM
20080302-20	SBMR_1 405	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~60% arborescent <i>Acropora</i> sp.; 50% dead; turf algae on reef; sand	-25.56810	113.01923	GDA94	Direct	20080302-20	02/03/2008	10:49:57 AM
20080302-21	SBMR_1 406	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~90% arborescent <i>Acropora</i> sp.	-25.56815	113.01935	GDA94	Direct	20080302-21	02/03/2008	10:50:35 AM
20080302-22	SBMR_1 407	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~90% arborescent <i>Acropora</i> sp.	-25.56818	113.01947	GDA94	Direct	20080302-22	02/03/2008	10:51:22 AM
20080302-23	SBMR_1 408	North of Withnell Point	Reef (low relief)	3.0	Rubble (coral)	80% coral rubble on reef pavement; ~10% corymbose <i>Acropora</i> sp.	-25.56812	113.01957	GDA94	Direct	20080302-23	02/03/2008	10:52:09 AM
20080302-24	SBMR_1 409	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% tabular <i>Acropora</i> sp.; sand	-25.56810	113.01966	GDA94	Direct	20080302-24	02/03/2008	10:52:52 AM
20080302-25	SBMR_1 410	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% arborescent and tabular <i>Acropora</i> sp.; Sand	-25.56809	113.01973	GDA94	Direct	20080302-25	02/03/2008	10:53:31 AM
20080302-26	SBMR_1 411	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) medium	~30% tabular <i>Acropora</i> sp.; rubble; turf algae on reef	-25.56806	113.01978	GDA94	Direct	20080302-26	02/03/2008	10:54:06 AM
20080302-27	SBMR_1 412	North of Withnell Point	Reef (low relief)	3.0	Turf/reef	<10% <i>Acropora</i> sp.; rubble; turf algae on reef	-25.56796	113.01987	GDA94	Direct	20080302-27	02/03/2008	10:54:54 AM
20080302-29	SBMR_1 413	North of Withnell Point	Reef (high relief)	3.0	Coral Reef (Acroporidae) dense	~70% tabular and arborescent <i>Acropora</i> sp.; sand inundation on reef pavement	-25.56780	113.01980	GDA94	Direct	20080302-29	02/03/2008	10:56:38 AM
20080302-31	SBMR_1 414	South of Cape Levillain	Reef (low relief)	2.6	Coral Reef (Poritidae)	~50% <i>Porites</i> sp.; encrusting form	-25.52818	113.01505	GDA94	Direct	20080302-31	02/03/2008	12:29:27 PM
20080302-32	SBMR_1 415	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52816	113.01500	GDA94	Direct	20080302-32	02/03/2008	12:29:54 PM
20080302-34	SBMR_1 416	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52817	113.01494	GDA94	Direct	20080302-34	02/03/2008	12:30:46 PM
20080302-35	SBMR_1 417	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52817	113.01491	GDA94	Direct	20080302-35	02/03/2008	12:31:03 PM
20080302-36	SBMR_1 418	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52817	113.01483	GDA94	Direct	20080302-36	02/03/2008	12:31:45 PM
20080302-37	SBMR_1 419	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52819	113.01482	GDA94	Direct	20080302-37	02/03/2008	12:32:07 PM
20080302-38	SBMR_1 420	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52814	113.01478	GDA94	Direct	20080302-38	02/03/2008	12:32:48 PM
20080302-39	SBMR_1 421	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52813	113.01477	GDA94	Direct	20080302-39	02/03/2008	12:32:55 PM
20080302-40	SBMR_1 422	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch; partially dead; some <i>Acropora</i> sp.	-25.52812	113.01469	GDA94	Direct	20080302-40	02/03/2008	12:33:39 PM
20080302-42	SBMR_1 423	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52816	113.01463	GDA94	Direct	20080302-42	02/03/2008	12:34:57 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080302-43	SBMR_1 424	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52818	113.01460	GDA94	Direct	20080302-43	02/03/2008	12:35:12 PM
20080302-44	SBMR_1 425	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52819	113.01459	GDA94	Direct	20080302-44	02/03/2008	12:35:16 PM
20080302-45	SBMR_1 426	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52820	113.01458	GDA94	Direct	20080302-45	02/03/2008	12:35:26 PM
20080302-46	SBMR_1 427	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52823	113.01457	GDA94	Direct	20080302-46	02/03/2008	12:35:46 PM
20080302-47	SBMR_1 428	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52812	113.01459	GDA94	Direct	20080302-47	02/03/2008	12:36:23 PM
20080302-48	SBMR_1 429	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch; Partially dead	-25.52807	113.01461	GDA94	Direct	20080302-48	02/03/2008	12:36:43 PM
20080302-49	SBMR_1 430	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52796	113.01463	GDA94	Direct	20080302-49	02/03/2008	12:38:05 PM
20080302-50	SBMR_1 431	South of Cape Levillain	Reef (high relief)	2.6	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie patch	-25.52794	113.01465	GDA94	Direct	20080302-50	02/03/2008	12:38:13 PM
20080302-64	SBMR_1 432	Turtle Bay	Reef (high relief)	3.3	Coral Reef (Poritidae)	Coral <i>Porites</i> sp. Bommie; small bommie	-25.49587	112.98588	GDA94	Direct	20080302-64	02/03/2008	4:51:21 PM
20080302-65	SBMR_1 433	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Rubble on pavement; some turf algae; sand inundation	-25.49588	112.98582	GDA94	Direct	20080302-65	02/03/2008	4:51:55 PM
20080302-66	SBMR_1 434	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some hard corals (<i>Acropora</i> sp.); sand inundation	-25.49585	112.98571	GDA94	Direct	20080302-66	02/03/2008	4:52:56 PM
20080302-67	SBMR_1 435	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some hard corals; <i>Acropora</i> sp.; small faviids; sand inundation	-25.49593	112.98567	GDA94	Direct	20080302-67	02/03/2008	4:54:00 PM
20080302-68	SBMR_1 436	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some hard corals; small faviids; some macroalgal tufts; sand inundation	-25.49580	112.98562	GDA94	Direct	20080302-68	02/03/2008	4:54:52 PM
20080302-74	SBMR_1 437	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some hard corals; tabular <i>Acropora</i> sp.; small faviids; some macroalgal tufts; sand inundation	-25.49559	112.98572	GDA94	Direct	20080302-74	02/03/2008	4:57:55 PM
20080302-75	SBMR_1 438	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some hard corals; corymbose <i>Acropora</i> sp.; some macroalgal tufts; sand inundation	-25.49562	112.98562	GDA94	Direct	20080302-75	02/03/2008	4:58:43 PM
20080302-76	SBMR_1 439	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some hard corals; corymbose <i>Acropora</i> sp.; some macroalgal tufts; sand inundation	-25.49566	112.98549	GDA94	Direct	20080302-76	02/03/2008	4:59:30 PM
20080302-77	SBMR_1 440	Turtle Bay	Reef (high relief)	3.3	Coral Reef (Acroporidae) medium	<40% tabular and arborescent <i>Acropora</i> sp.; turf algae on reef	-25.49569	112.98580	GDA94	Direct	20080302-77	02/03/2008	5:01:43 PM
20080302-78	SBMR_1 441	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some macroalgal tufts; sand inundation	-25.49566	112.98588	GDA94	Direct	20080302-78	02/03/2008	5:02:37 PM
20080302-79	SBMR_1 442	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; some macroalgal tufts; sand inundation; deeply grooved	-25.49564	112.98589	GDA94	Direct	20080302-79	02/03/2008	5:02:45 PM
20080302-80	SBMR_1 443	Turtle Bay	Reef (low relief)	3.3	Turf/reef	Turf algae on reef; <10% hard corals; corymbose <i>Acropora</i> sp.; <i>Pocillopora</i> sp.; some macroalgal tufts; sand inundation	-25.49561	112.98589	GDA94	Direct	20080302-80	02/03/2008	5:03:13 PM
20080302-81	SBMR_1 444	Turtle Bay	Reef (low relief)	3.3	Coral Reef (Acroporidae) sparse	>10% hard corals; corymbose <i>Acropora</i> sp.; small faviids; encrusting <i>Montipora</i> sp.; turf algae on reef; some macroalgal tufts; sand inundation	-25.49558	112.98583	GDA94	Direct	20080302-81	02/03/2008	5:03:55 PM
20080302-83	SBMR_1 445	Turtle Bay	Reef (low relief)	3.3	Coral Reef (Acroporidae) sparse	~20% hard corals; corymbose <i>Acropora</i> sp.; small faviids; turf algae on reef; some macroalgal tufts; sand inundation	-25.49569	112.98576	GDA94	Direct	20080302-83	02/03/2008	5:08:19 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080302-84	SBMR_1 446	Turtle Bay	Reef (high relief)	3.3	Coral Reef (Mixed) medium	~30% mixed corals; Acropora sp.; faviids; encrusting coral; sand inundation; turf algae on reef	-25.49571	112.98577	GDA94	Direct	20080302-84	02/03/2008	5:08:34 PM
20080303-05	SBMR_1 447	Gregory's Camp	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) sparse	<30% <i>Sinularia</i> sp. Soft coral; ~15% <i>Turbinaria</i> sp.; turf algae on reef	-25.54929	113.47621	GDA94	Direct	20080303-05	03/03/2008	12:01:27 PM
20080303-06	SBMR_1 448	Gregory's Camp	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) sparse	<30% <i>Sinularia</i> sp. Soft coral; turf algae on reef	-25.54932	113.47611	GDA94	Direct	20080303-06	03/03/2008	12:02:48 PM
20080303-08	SBMR_1 449	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> sp.; <20% <i>Sinularia</i> sp. Soft coral; sand	-25.54948	113.47601	GDA94	Direct	20080303-08	03/03/2008	12:04:02 PM
20080303-09	SBMR_1 450	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> sp. Soft coral; turf algae on reef; sand; small faviid sub massive	-25.54955	113.47597	GDA94	Direct	20080303-09	03/03/2008	12:05:00 PM
20080303-12	SBMR_1 451	Gregory's Camp	Reef (low relief)	2.6	Soft Coral (Alcyoniidae) sparse	<20% <i>Sinularia</i> sp. Soft coral; small <i>Turbinaria</i> sp.; large sponge; sand inundation on turf algae covered reef	-25.54972	113.47588	GDA94	Direct	20080303-12	03/03/2008	12:07:21 PM
20080303-13	SBMR_1 452	Gregory's Camp	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) sparse	<20% <i>Sinularia</i> sp. Soft coral; >10% <i>Turbinaria</i> sp.; sand inundation; turf algae covered reef	-25.54973	113.47588	GDA94	Direct	20080303-13	03/03/2008	12:07:25 PM
20080303-15	SBMR_1 453	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> sp.; <20% <i>Sinularia</i> sp. Soft coral; sand; turf algae on reef pavement	-25.54987	113.47584	GDA94	Direct	20080303-15	03/03/2008	12:08:58 PM
20080303-16	SBMR_1 454	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> sp.; sand; turf algae on reef pavement	-25.54993	113.47583	GDA94	Direct	20080303-16	03/03/2008	12:09:29 PM
20080303-17	SBMR_1 455	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~40% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; sand; turf algae on reef pavement	-25.54997	113.47580	GDA94	Direct	20080303-17	03/03/2008	12:09:48 PM
20080303-18	SBMR_1 456	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~40% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; sand; turf algae on reef pavement	-25.55006	113.47575	GDA94	Direct	20080303-18	03/03/2008	12:10:50 PM
20080303-19	SBMR_1 457	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~50% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; sand; turf algae on reef pavement	-25.55012	113.47572	GDA94	Direct	20080303-19	03/03/2008	12:11:28 PM
20080303-20	SBMR_1 458	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~30% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; sand; turf algae on reef pavement	-25.55012	113.47572	GDA94	Direct	20080303-20	03/03/2008	12:11:33 PM
20080303-21	SBMR_1 459	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; small faviids; sand; turf algae on reef pavement	-25.55022	113.47564	GDA94	Direct	20080303-21	03/03/2008	12:12:38 PM
20080303-22	SBMR_1 460	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	<30% <i>Turbinaria</i> sp.; <20% <i>Sinularia</i> soft corals; sand; turf algae on reef pavement	-25.55029	113.47559	GDA94	Direct	20080303-22	03/03/2008	12:13:26 PM
20080303-23	SBMR_1 461	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; small faviids; sand; turf algae on reef pavement	-25.55039	113.47551	GDA94	Direct	20080303-23	03/03/2008	12:14:52 PM
20080303-24	SBMR_1 462	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) dense	~60% <i>Turbinaria</i> sp.; ~10% <i>Sinularia</i> sp. Soft coral; turf on reef	-25.55047	113.47538	GDA94	Direct	20080303-24	03/03/2008	12:16:12 PM
20080303-25	SBMR_1 463	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) medium	>30% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; sand inundation; turf algae on reef pavement	-25.55048	113.47539	GDA94	Direct	20080303-25	03/03/2008	12:16:25 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080303-26	SBMR_1 464	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) medium	>30% <i>Turbinaria</i> sp.; <10% dead corals; sand inundation; turf algae on reef pavement	-25.55053	113.47533	GDA94	Direct	20080303-26	03/03/2008	12:17:11 PM
20080303-27	SBMR_1 465	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Lone small aavid on turf algae covered reef pavement	-25.55060	113.47529	GDA94	Direct	20080303-27	03/03/2008	12:17:52 PM
20080303-28	SBMR_1 466	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	<30% <i>Turbinaria</i> sp.; <10% <i>Sinularia</i> soft corals; sand inundation; turf algae on reef pavement	-25.55066	113.47534	GDA94	Direct	20080303-28	03/03/2008	12:18:41 PM
20080303-29	SBMR_1 467	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Lone <i>Turbinaria</i> sp.; lone sponge; turf algae covered reef platform	-25.55078	113.47539	GDA94	Direct	20080303-29	03/03/2008	12:19:51 PM
20080303-30	SBMR_1 468	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Lone <i>Turbinaria</i> sp.; turf algae covered reef platform	-25.55078	113.47549	GDA94	Direct	20080303-30	03/03/2008	12:20:35 PM
20080303-31	SBMR_1 469	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Coral rubble; turf algae covered reef platform	-25.55076	113.47555	GDA94	Direct	20080303-31	03/03/2008	12:20:59 PM
20080303-32	SBMR_1 470	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Small faviids; turf algae covered reef	-25.55075	113.47565	GDA94	Direct	20080303-32	03/03/2008	12:21:41 PM
20080303-33	SBMR_1 471	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Turf algae covered reef; sand inundation; some macroalgae	-25.55079	113.47577	GDA94	Direct	20080303-33	03/03/2008	12:22:12 PM
20080303-34	SBMR_1 472	Gregory's Camp	Sand (low relief)	2.6	Sand	Small ripples in sand	-25.55092	113.47595	GDA94	Direct	20080303-34	03/03/2008	12:23:04 PM
20080303-35	SBMR_1 473	Gregory's Camp	Sand (low relief)	2.6	Sand	Small ripples in sand; detritus	-25.55111	113.47605	GDA94	Direct	20080303-35	03/03/2008	12:23:46 PM
20080303-36	SBMR_1 474	Gregory's Camp	Sand (low relief)	2.6	Sand	Small ripples in sand; detritus	-25.55128	113.47607	GDA94	Direct	20080303-36	03/03/2008	12:24:26 PM
20080303-37	SBMR_1 475	Gregory's Camp	Reef (high relief)	2.6	Coral Reef (Dendrophylliidae) sparse	<20% <i>Turbinaria</i> sp.; turf algae on reef	-25.55144	113.47615	GDA94	Direct	20080303-37	03/03/2008	12:25:15 PM
20080303-38	SBMR_1 476	Gregory's Camp	Reef (low relief)	2.6	Turf/reef	Turf algae covered reef platform	-25.55145	113.47618	GDA94	Direct	20080303-38	03/03/2008	12:25:31 PM
20080303-41	SBMR_1 477	Gregory's Camp	Reef (high relief)	2.6	Soft Coral (Alcyoniidae) sparse	~20% <i>Sinularia</i> sp. Soft coral; turf algae covered reef platform	-25.55138	113.47626	GDA94	Direct	20080303-41	03/03/2008	12:26:55 PM
20080303-42	SBMR_1 478	Gregory's Camp	Sand (low relief)	2.6	Sand	Small ripples in sand; detritus	-25.55115	113.47615	GDA94	Direct	20080303-42	03/03/2008	12:29:05 PM
20080303-43	SBMR_1 479	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Dendrophylliidae) sparse	<40% <i>Turbinaria</i> sp.; turf algae on reef; rubble	-25.87009	113.44380	GDA94	Direct	20080303-43	03/03/2008	2:05:13 PM
20080303-44	SBMR_1 480	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	<i>Porites</i> sp. Bommie; partially dead; some soft corals	-25.87018	113.44383	GDA94	Direct	20080303-44	03/03/2008	2:06:09 PM
20080303-45	SBMR_1 481	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	<i>Porites</i> sp. Bommie	-25.87019	113.44383	GDA94	Direct	20080303-45	03/03/2008	2:06:12 PM
20080303-47	SBMR_1 482	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) dense	<50% corymbose <i>Acropora</i> sp.; turf algae on reef; sand inundation	-25.87013	113.44366	GDA94	Direct	20080303-47	03/03/2008	2:09:42 PM
20080303-48	SBMR_1 483	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) medium	<40% corymbose <i>Acropora</i> sp.; turf algae on reef; sand inundation	-25.87005	113.44360	GDA94	Direct	20080303-48	03/03/2008	2:10:34 PM
20080303-49	SBMR_1 484	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) medium	<30% corymbose <i>Acropora</i> sp.; ~40% turf algae on reef; sand inundation	-25.86997	113.44353	GDA94	Direct	20080303-49	03/03/2008	2:11:37 PM
20080303-50	SBMR_1 485	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) medium	<30% branching <i>Acropora</i> sp.; ~20% macroalgae; <i>Sargassum</i> sp.; turf algae on reef	-25.86997	113.44350	GDA94	Direct	20080303-50	03/03/2008	2:11:48 PM
20080303-51	SBMR_1 486	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) dense	>80% branching <i>Acropora</i> sp.	-25.86997	113.44349	GDA94	Direct	20080303-51	03/03/2008	2:11:50 PM

Infield No	Site No	Location	Substrate	Depth	Habitat type	Biological assemblage	Lat dd	Long dd	Datum	Observation method	Video tape number	Date	Time
20080303-52	SBMR_1 487	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) dense	>40% branching and corymbose <i>Acropora</i> sp.; >10% encrusting coral; turf algae on reef	-25.86993	113.44351	GDA94	Direct	20080303-52	03/03/2008	2:13:01 PM
20080303-53	SBMR_1 488	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Acroporidae) medium	~40% branching <i>Acropora</i> sp.; small faviids; turf algae on reef	-25.86992	113.44348	GDA94	Direct	20080303-53	03/03/2008	2:13:59 PM
20080303-54	SBMR_1 489	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> sp.; some dead coral; turf algae on reef	-25.86986	113.44353	GDA94	Direct	20080303-54	03/03/2008	2:15:19 PM
20080303-55	SBMR_1 490	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Small <i>Porites</i> sp. Bommie	-25.86981	113.44358	GDA94	Direct	20080303-55	03/03/2008	2:15:58 PM
20080303-57	SBMR_1 491	Six-Mile Reef	Reef (low relief)	3.5	Coral Reef (Acroporidae) dense	~25% branching <i>Acropora</i> sp.; turf algae on reef	-25.86968	113.44358	GDA94	Direct	20080303-57	03/03/2008	2:17:04 PM
20080303-58	SBMR_1 492	Six-Mile Reef	Reef (low relief)	3.5	Turf/reef	<10% hard corals.; turf algae on reef	-25.86968	113.44358	GDA94	Direct	20080303-58	03/03/2008	2:17:08 PM
20080303-59	SBMR_1 493	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Cluster of small <i>Porites</i> sp. Bommies	-25.86966	113.44349	GDA94	Direct	20080303-59	03/03/2008	2:17:48 PM
20080303-61	SBMR_1 494	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Small <i>Porites</i> sp. Bommie; Partially dead	-25.86958	113.44342	GDA94	Direct	20080303-61	03/03/2008	2:19:15 PM
20080303-62	SBMR_1 495	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Dendrophylliidae) sparse	~20% <i>Turbinaria</i> sp.; some dead coral; turf algae on reef	-25.86958	113.44342	GDA94	Direct	20080303-62	03/03/2008	2:19:18 PM
20080303-63	SBMR_1 496	Six-Mile Reef	Reef (low relief)	3.5	Turf/reef	Turf algae covered reef platform; rubble; sand inundation	-25.86951	113.44345	GDA94	Direct	20080303-63	03/03/2008	2:20:01 PM
20080303-64	SBMR_1 497	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Cluster of small <i>Porites</i> sp. Bommies	-25.86944	113.44344	GDA94	Direct	20080303-64	03/03/2008	2:20:26 PM
20080303-65	SBMR_1 498	Six-Mile Reef	Reef (low relief)	3.5	Turf/reef	Turf algae covered reef platform; rubble; sand inundation	-25.86944	113.44344	GDA94	Direct	20080303-65	03/03/2008	2:20:29 PM
20080303-66	SBMR_1 499	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Small <i>Porites</i> sp. Bommie	-25.86937	113.44341	GDA94	Direct	20080303-66	03/03/2008	2:21:21 PM
20080303-67	SBMR_1 500	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Small <i>Porites</i> sp. Bommie	-25.86942	113.44349	GDA94	Direct	20080303-67	03/03/2008	2:22:28 PM
20080303-68	SBMR_1 501	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Poritidae)	Small <i>Porites</i> sp. Bommie;	-25.86953	113.44363	GDA94	Direct	20080303-68	03/03/2008	2:23:19 PM
20080303-73	SBMR_1 502	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Mixed) medium	<30% mixed corals; <i>Turbinaria</i> sp.; <i>Porites</i> sp.; faviids; turf algae on reef; sand	-25.86977	113.44384	GDA94	Direct	20080303-73	03/03/2008	2:26:57 PM
20080303-75	SBMR_1 503	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Dendrophylliidae) sparse	~25% <i>Turbinaria</i> sp.; a <i>Porites</i> sp. Bommie; turf algae on reef and rubble; sand	-25.86986	113.44387	GDA94	Direct	20080303-75	03/03/2008	2:28:27 PM
20080303-76	SBMR_1 504	Six-Mile Reef	Reef (high relief)	3.5	Coral Reef (Dendrophylliidae) medium	~30% <i>Turbinaria</i> sp.; turf algae on reef	-25.86992	113.44387	GDA94	Direct	20080303-76	03/03/2008	2:29:00 PM

List of Marine Science Program reports

Marine Science Data Report Series

- MSPDR 1. Preliminary assessment of coral communities at selected sites in the proposed Dampier Archipelago Marine Park. Armstrong S (2008).
- MSPDR 2. Anoxic impacts at Bill's Bay, Ningaloo Marine Park associated with the 2008 coral spawning event. Armstrong SJ, Syme R (2009).

Other Marine Science Program Reports

- MSP 2006/01 Long-term monitoring program in the Montebello/Barrow Islands marine protected areas. Scoping field trip: 8-11 August 2006. Field Program Report. Bancroft KP, Simpson CJ, Long S (2006).
- MSP 2006/02 Establishment of additional long-term monitoring sites for *Drupella cornus* populations in the southern section of the Ningaloo Marine Park and the Muiron and Sunday Islands Marine Management Areas. Field Program Report. Armstrong SJ (2006).
- MSP 2006/03 Long-term monitoring program in the Montebello/Barrow Islands marine protected areas. Scoping field trip: 8-11 August 2006. Data Report. Bancroft KP (2006).
- MSP 2006/04 Disturbance and recovery of coral communities in Bill's Bay, Ningaloo Marine Park: 2006 survey. Field Program Report. Long S (2006).
- MSP 2006/05 Establishing baseline benthic community monitoring sites in the Montebello/Barrow Islands marine protected areas: 7-22 December 2006. Field Program Report. Bancroft KP, Armstrong SJ (2006).
- MSP 2007/01 Bibliography of marine scientific research relevant to the Rowley Shoals Marine Park and the Mermaid Reef Marine National Nature Reserve. Data Report. Edwards A, Bancroft KP (2007).

- MSP 2007/02 Current and proposed marine research projects relevant to the Rowley Shoals Marine Park and the Mermaid Reef Marine National Nature Reserve. Data Report. Edwards A, Bancroft KP (2007).
- MSP 2007/03 Ningaloo Marine Park *Drupella* Long-term Monitoring Program: Results of the 2006 survey. Technical Report. Armstrong SJ (2007).
- MSP 2007/04 Summary of the winter coral bleaching event at Ningaloo Marine Park, July 2006. Data Report. Armstrong S, Webster F, Kendrick A, Mau R, Onton K (2007).
- MSP 2007/05 Disturbance and recovery of coral communities in Bill's Bay, Ningaloo Marine Park: Field survey 16-23 October 2006. Technical and Data Report. Long S (2007).
- MSP 2007/06 Bibliography of marine scientific research relevant to Perth's metropolitan marine protected areas and adjacent waters. Data Report. Lierich D, Bancroft KP (2007).
- MSP 2007/07 Current and proposed marine research projects relevant to Perth's metropolitan marine protected areas and adjacent waters. Data Report. Lierich D, Bancroft KP (2007).
- MSP2007/08 Disturbance history of coral communities in Bill's Bay, Ningaloo Marine Park, 1975-2007. Data Report. van Schoubroeck P, Long S (2007).
- MSP 2008/01 Comparative marine biodiversity survey of the Rowley Shoals 1-17 December 2007. Metadata Report. Long S, Armstrong S, Fabricius K, Field I, Cook K., Colquhoun J, Huisman J (2008).

