

## Appendix G

### Percentage cover of benthic groups recorded on reefs in each survey year

**G1.** Percentage cover of benthic groups recorded on reefs in 1996 surveys. Mean values from all sites on each reef.

Sector	Reef	Reef ID	Shelf	Algae	Hard coral	Soft coral	Acro- poridae	Favii- dae	Pocillo- poridae	Fori- tidae	<i>Acropora</i> Tabulate	<i>Acropora</i> Other'	Mixti- pore
CG	Kay	12-010	I	73.8	11.6	1.3	3.0	1.3	1.3	0.5	0.2	1.4	1.2
CG	Lagoon	12-061	O	18.2	36.8	21.8	30.3	0.8	4.1	0.9	6.7	18.9	4.4
PC	131246	13-124	M	44.3	13.1	18.3	3.7	0.6	1.4	7.1	0.2	3.0	0.4
PC	Kodda	13-127	O	26.7	42.5	12.3	30.9	2.8	4.6	2.6	8.0	17.1	4.2
CL	Decapolis	14-131	I	57.9	17.9	1.8	7.8	0.9	0.9	1.3	0.9	1.8	3.3
CL	Linnet	14-126	I	45.9	42.5	5.4	11.6	8.4	6.8	5.6	2.6	6.8	1.9
CL	Martin	14-123	I	37.5	23.6	7.2	5.7	1.6	5.6	3.3	1.4	3.0	0.6
CL	Lizard Is	14-116	M	54.2	11.7	19.3	0.6	3.0	1.6	3.1	0.0	0.3	0.1
CL	Macgillivray	14-114	M	41.3	23.9	5.5	1.4	4.7	1.4	11.0	0.0	0.7	0.0
CL	N. Direction	14-146	M	55.9	18.7	2.0	3.0	3.1	1.7	3.6	0.2	2.0	0.2
CL	Carter	14-137	O	23.4	34.2	2.6	18.6	1.4	8.0	0.4	5.1	12.5	0.8
CL	No Name	14-139	O	20.1	41.5	12.0	24.3	1.5	8.7	1.2	8.5	14.3	1.0
CL	Yonge	14-136	O	32.2	27.9	2.6	16.0	1.7	6.6	0.6	2.2	12.5	1.0
CA	Fitzroy Is	16-054	I	30.6	37.0	20.4	13.3	2.0	3.9	5.6	1.3	6.7	5.2
CA	Green Is	16-049	I	63.1	14.3	3.6	8.2	1.7	0.0	2.0	1.5	5.4	0.7
CA	Low Isles	16-028	I	35.9	40.2	11.4	11.9	3.0	1.1	6.2	1.6	3.8	6.0
CA	Hastings	16-057	M	50.7	26.5	6.4	12.9	4.2	4.6	0.8	3.0	8.3	1.3
CA	Mackay	16-015	M	55.5	31.5	4.2	6.7	5.0	5.1	3.7	2.0	3.3	0.9
CA	Michaelmas	16-060	M	28.8	21.2	30.9	10.4	2.8	3.3	0.2	3.9	5.6	0.8
CA	Thetford	16-066	M	42.0	22.4	14.8	9.8	3.9	4.0	1.8	1.9	6.3	0.8
CA	Agincourt No.1	15-099	O	26.3	27.4	23.5	16.0	1.9	5.3	1.4	3.3	12.2	0.5
CA	Opal (2)	16-025	O	22.0	22.1	40.4	13.8	1.4	2.8	1.5	1.6	11.1	0.3
CA	St Crispin	16-019	O	28.7	25.0	34.7	11.0	3.4	3.1	4.5	3.8	6.5	0.4
TO	Middle	19-011	I	16.8	34.4	17.4	3.0	1.6	0.0	9.6	1.5	0.4	0.7
TO	Pandora	18-051	I	17.7	58.3	14.5	6.2	3.8	0.2	18.9	0.1	5.4	0.2
TO	Davies	18-096	M	42.1	40.9	3.7	10.4	7.3	7.5	5.8	4.0	5.6	0.7
TO	John Brewer	18-073	M	46.1	30.8	6.0	20.9	1.4	4.0	0.1	12.6	7.5	0.3
TO	Ed	18-032	M	17.2	68.6	5.6	59.8	1.3	3.9	0.3	42.1	16.1	1.2

**G1 continued.** Percentage cover of benthic groups recorded on reefs in 1996 surveys.  
Mean values from all sites on each reef.

Sector	Reef	Reef ID	Shelf	Algae	Hard coral	Soft coral	Acroporidae	Favii- dae	Pocillo- poridae	Pori- tidae	Acropora Tabulate	Acropora Other'	Monti- pora
TO	Chicken	18-088	O	32.1	38.4	14.2	14.8	8.1	6.5	2.6	5.4	8.7	0.6
TO	Dip	18-089	O	35.7	27.4	11.7	12.8	3.8	3.9	1.5	2.1	8.4	1.0
TO	Myrmidon	18-084	O	24.4	34.6	25.6	7.0	11.6	3.7	3.8	2.0	2.6	1.8
WH	Border Is A	20-067	I	27.0	27.2	28.9	2.0	2.7	0.6	13.4	0.1	0.4	0.6
WH	Hayman Is	20-014	I	29.0	43.6	13.5	20.0	5.8	1.3	1.9	1.3	7.5	10.9
WH	Langford & Bird Is	20-019	I	32.2	13.5	15.5	3.6	2.7	0.3	6.6	0.3	2.5	0.5
WH	191313	19-131	M	28.4	62.1	0.8	28.8	13.9	4.6	2.2	5.3	6.7	15.8
WH	191388	19-138	M	48.6	42.5	1.9	23.0	4.6	4.6	2.0	8.3	9.6	3.2
WH	201048	20-104	M	60.2	25.8	2.4	7.9	2.9	2.6	2.4	2.3	2.6	2.5
WH	191596	19-159	O	20.5	40.2	18.7	19.2	5.0	4.6	1.8	4.6	11.6	1.8
WH	Hyde	19-207	O	17.7	13.0	44.8	4.2	3.0	1.8	4.4	0.7	2.6	0.2
WH	Rebe	19-209	O	27.4	20.0	32.2	3.4	2.7	2.3	7.9	0.7	2.2	0.3
SW	220888	22-088	I	53.0	20.4	6.4	2.8	1.6	2.3	8.6	0.1	0.8	1.7
SW	215296	21-529	M	54.5	34.1	1.2	17.2	1.9	4.7	5.5	0.7	11.7	4.3
SW	Chinaman	22-102	M	35.7	26.5	27.1	5.6	4.0	3.3	6.2	0.3	3.1	1.2
SW	Gannet Cay	21-556	M	45.9	45.5	4.5	33.7	1.2	2.7	1.6	0.3	27.0	5.4
SW	Horseshoe	22-104	M	37.2	50.5	5.0	31.0	4.8	5.1	3.1	10.1	11.1	9.5
SW	East Cay	21-605	O	32.6	13.6	39.9	3.7	2.2	3.1	4.2	0.5	2.4	0.4
SW	Turner Cay	21-562	O	28.7	28.9	31.7	9.9	4.4	3.1	5.5	2.4	6.4	0.4
CB	Broomfield	23-048	O	51.6	25.1	2.9	19.0	2.1	0.6	1.0	4.5	7.7	3.0
CB	Lady Musgrave Is	23-082	O	64.7	15.6	0.2	12.1	0.7	0.3	0.7	6.2	4.8	0.1
CB	One Tree Is	23-055	O	37.1	16.5	0.5	10.6	2.1	0.6	1.3	4.6	4.6	0.3
CB	Wreck Is	23-051	O	33.6	43.2	9.2	33.6	4.0	2.1	0.6	17.6	10.9	2.5

**G2. Percentage cover of benthic groups recorded on reefs in 1997 survey. Mean values from all sites on each reef.**

Sector	Reef	Reef ID	Shelf	Algae	Hard coral	Soft coral	Acro- poridae	Favii- dae	Pocillo- poridae	Porii- tidae	<i>Acropora</i> Tabulate	<i>Acropora</i> 'Other'	<i>Moni- pora</i>
CL	Decapolis	14-131	I	59.3	21.5	1.4	8.7	0.6	1.2	1.8	2.2	2.4	3.8
CL	Linnet	14-126	I	48.4	39.5	4.8	9.6	7.9	6.6	5.6	1.5	5.7	2.3
CL	Martin	14-123	I	40.5	24.8	4.3	6.8	2.1	6.1	2.4	1.5	4.2	0.9
CL	Lizard Is	14-116	M	58.7	11.3	17.6	0.2	3.7	1.4	2.9	0.0	0.1	0.1
CL	Maegilivray	14-114	M	51.8	17.4	4.7	0.7	3.5	0.1	10.2	0.0	0.4	0.0
CL	N. Direction Is	14-148	M	63.7	13.8	1.9	1.0	2.0	0.3	4.3	0.0	0.8	0.0
CL	Carter	14-137	O	15.9	50.5	2.6	33.9	1.7	8.1	0.1	14.5	15.9	2.7
CL	No Name	14-139	O	12.7	46.0	10.8	30.0	1.7	8.2	1.5	13.5	14.3	1.7
CL	Yonge	14-138	O	22.2	34.5	4.8	17.9	3.2	8.9	0.7	5.4	11.5	0.8
CA	Fitzroy Is	16-054	I	25.7	37.0	19.5	13.7	2.0	2.6	4.6	0.6	8.6	4.3
CA	Green Is	16-049	I	71.8	5.8	2.0	2.3	0.7	0.0	1.6	0.4	1.7	0.1
CA	Low Isles	16-028	I	38.1	35.1	10.2	12.4	2.2	1.4	4.3	2.1	2.9	6.5
CA	Hastings	16-057	M	45.1	27.7	8.0	12.5	4.0	5.5	1.3	2.9	8.5	0.7
CA	Michaelmas	16-060	M	27.0	24.2	28.9	12.3	3.5	3.4	0.3	4.1	7.1	0.8
CA	Thetford	16-063	M	39.7	26.4	15.1	11.9	3.7	4.4	1.8	2.6	7.7	0.5
CA	Agincoourt No.1	15-099	O	18.4	27.3	25.7	14.4	1.4	7.3	1.0	2.5	11.6	0.1
CA	Opal (2)	16-025	O	19.7	21.5	36.2	13.6	0.8	2.2	1.1	1.9	10.7	0.5
CA	St Crispin	16-019	O	24.8	23.5	40.0	9.2	2.6	2.7	4.3	2.6	6.1	0.4
TO	Havannah Is	18-065	I	34.8	43.6	18.2	36.2	1.2	0.8	1.4	0.2	24.3	10.9
TO	Middle	19-011	I	18.3	36.1	13.6	5.7	1.4	0.3	12.3	1.7	2.1	1.3
TO	Pandora	18-051	I	15.0	60.4	16.5	5.7	2.9	0.2	17.3	0.1	4.6	0.8
TO	Davies	18-096	M	41.0	38.8	2.9	9.2	7.0	7.5	6.9	2.2	5.3	1.1
TO	John Brewer	18-073	M	47.5	27.0	5.9	17.8	0.7	4.6	0.3	9.6	7.8	0.1
TO	Eib	18-032	M	33.4	47.5	2.5	38.3	1.2	2.6	0.7	25.2	11.9	0.8
TO	Chicken	18-086	O	34.7	36.0	12.9	14.4	6.5	6.3	2.8	4.9	8.2	1.1
TO	Dip	18-039	O	40.4	24.6	10.0	9.0	3.1	3.2	2.7	0.7	5.3	1.4
TO	Myrmidon	18-034	O	26.8	32.6	24.1	8.0	10.0	2.9	4.1	1.9	4.0	1.9
WH	Border Is A	20-067	I	21.8	26.3	28.5	2.8	2.7	0.5	12.2	0.0	0.6	0.3
WH	Hayman Is	20-014	I	33.8	38.7	12.9	17.1	5.8	1.3	1.6	1.0	5.3	10.4
WH	Langford & Bird Is	20-019	I	18.1	16.6	19.1	2.7	2.3	0.3	6.1	0.4	1.6	0.3
WH	191316	19-131	M	53.0	36.8	0.3	12.0	12.4	1.3	1.2	0.3	1.8	9.8
WH	191336	19-138	M	73.6	16.6	1.9	4.4	4.5	2.3	1.1	0.2	1.9	1.7

**G2 continued.** Percentage cover of benthic groups recorded on reefs in 1997 survey.  
Mean values from all sites on each reef.

Sector	Reef	Reef ID	Shelf	Algae	Hard coral	Soft coral	Acroporidae	Favii- dae	Pocillo- poridae	Por- idae	Acropora Tabulat	Acropora 'Other'	Moxi- pora
WH	201046	20-104	M	72.3	17.6	1.0	4.9	2.0	1.4	2.1	0.4	1.3	3.0
WH	191596	19-159	O	20.9	42.6	13.2	22.8	6.3	4.1	1.4	5.0	13.3	3.1
WH	Hyde	19-207	O	13.1	13.6	40.8	4.0	3.0	2.5	5.0	0.1	3.3	0.3
WH	Kebe	19-209	O	21.2	17.7	32.0	2.3	2.7	2.2	7.3	0.6	1.4	0.0
SW	220688	22-068	I	50.1	17.5	9.3	3.6	0.8	1.6	5.5	0.1	0.3	2.7
SW	215296	21-529	M	41.9	39.9	1.5	22.9	1.9	3.8	5.6	1.5	15.3	5.1
SW	Chinaman	22-102	M	20.3	30.1	29.8	7.8	4.8	3.9	6.5	1.6	4.2	1.3
SW	Gannet Cay	21-556	M	51.3	39.4	5.3	29.6	0.7	1.4	1.4	1.3	23.4	4.4
SW	Horseshoe	22-104	M	25.0	53.3	5.3	34.7	4.2	4.9	2.2	12.1	10.3	11.9
SW	East Cay	21-305	O	31.4	17.0	40.1	3.0	2.5	3.2	4.3	0.3	2.4	0.2
SW	Turner Cay	21-562	O	22.5	33.4	32.3	13.4	4.6	3.7	5.8	3.9	3.0	0.3
CB	Broomfield	23-043	O	42.1	33.1	3.0	25.3	2.3	0.5	0.5	7.9	7.7	2.6
CB	Lady Musgrave Is	23-062	O	53.2	30.2	0.1	26.0	1.2	1.2	0.2	13.3	7.0	0.1
CB	One Tree Is	23-055	O	23.6	27.5	1.2	20.6	2.6	0.6	0.5	12.1	7.2	0.9
CB	Wreck Is	23-051	O	22.2	51.3	13.6	41.1	4.7	1.1	1.3	23.5	9.0	2.3

**G3.** Percentage cover of benthic groups recorded on reefs in 1998 survey. Mean values from all sites on each reef.

Sector	Reef	Reef ID	Shelf	Algae	Hard coral	Soft coral	Acro- poridae	Favii- dae	Pocillo- poridae	Porii- tidae	<i>Acropora</i> Tabulat	<i>Acropora</i> 'Other'	<i>Monti- pora</i>
CL	Decapolis	14-131	I	60.7	21.1	2.0	10.4	0.5	1.1	0.9	2.8	2.7	4.5
CL	Linnet	14-126	I	44.6	44.5	4.1	11.8	8.6	7.0	6.4	1.5	7.0	2.7
CL	Martin	14-123	I	42.3	23.4	4.3	3.9	1.9	6.0	3.0	1.8	1.6	0.2
CL	Lizard Is	14-116	M	54.1	12.3	17.3	0.3	3.5	2.0	3.2	0.0	0.0	0.1
CL	Maegilivray	14-114	M	50.9	17.4	4.8	0.8	3.2	0.6	9.3	0.0	0.1	0.3
CL	N. Direction Is	14-143	M	59.7	16.5	1.3	2.0	3.1	0.7	4.5	0.1	1.6	0.1
CL	Carter	14-137	O	9.5	59.2	2.9	42.3	1.5	9.5	0.4	21.7	17.6	1.8
CL	No Name	14-139	O	3.2	53.1	11.3	35.7	1.1	9.5	1.4	24.4	10.6	0.5
CL	Yonge	14-138	O	13.3	44.8	4.8	27.8	1.6	10.3	0.4	12.6	13.5	1.2
CA	Fitzroy Is	16-054	I	41.1	34.7	13.2	11.0	3.8	1.1	5.5	0.5	5.5	4.6
CA	Green Is	16-049	I	71.0	4.9	2.5	0.4	0.6	0.0	1.4	0.1	0.3	0.0
CA	Low Isles	16-028	I	43.3	30.4	12.7	4.7	2.5	0.4	7.7	0.6	1.5	2.2
CA	Hastings	16-057	M	43.3	27.7	5.8	15.1	2.7	4.4	1.3	4.8	3.9	1.2
CA	Mackay	16-015	M	54.0	28.9	3.8	3.5	5.8	3.2	4.0	1.3	1.5	0.6
CA	Michaelmas	16-060	M	24.8	23.6	30.6	11.9	3.1	3.3	0.4	4.7	5.9	0.9
CA	Thetford	16-063	M	28.0	30.3	17.1	14.1	4.1	5.1	2.0	6.0	6.5	0.7
CA	Agincoourt No.1	15-099	O	13.9	32.4	23.3	18.7	1.3	3.1	0.9	4.4	13.0	1.0
CA	Opal (2)	16-025	O	20.6	20.7	37.5	14.2	0.5	2.7	1.1	1.1	12.6	0.4
CA	St Crispin	16-019	O	23.0	24.0	40.1	10.8	2.2	3.1	4.0	3.3	6.3	0.8
TO	Havannah Is	18-065	I	50.5	28.3	17.6	21.9	1.4	0.2	0.7	0.1	13.3	7.3
TO	Middle	19-011	I	20.6	34.2	9.8	5.4	1.3	0.5	11.0	2.0	1.3	0.7
TO	Pandora	18-051	I	27.3	54.3	9.8	5.5	4.0	0.4	19.4	0.1	4.6	0.3
TO	Davies	18-096	M	35.3	41.9	2.4	12.3	3.0	6.4	6.5	4.3	6.3	1.1
TO	John Brewer	18-073	M	55.4	25.5	2.2	13.1	1.3	3.0	0.3	9.1	7.9	1.0
TO	Eib	18-032	M	47.5	43.7	2.7	36.0	1.6	1.5	0.7	19.5	14.1	2.1
TO	Chicken	18-036	O	26.6	42.7	10.2	13.0	6.3	7.0	3.0	7.3	9.9	0.6
TO	Dip	18-039	O	34.0	24.1	9.8	10.9	3.1	3.0	2.4	2.7	5.3	0.3
TO	Myrmidon	18-034	O	25.2	35.4	20.2	9.8	9.3	4.0	2.4	3.1	4.4	2.2
WH	Border Is A	20-067	I	29.6	23.2	23.3	1.6	2.3	0.3	13.1	0.0	0.4	0.6
WH	Hayman Is	20-014	I	36.2	37.6	14.0	14.6	6.6	0.3	1.1	0.6	3.2	9.9
WH	Langford & Bird Is	20-019	I	23.1	17.3	19.9	2.0	2.3	0.4	3.0	0.0	1.3	0.1
WH	191313	19-131	M	52.1	34.6	1.0	12.0	11.6	1.2	2.6	0.6	3.1	3.2

**G3 continued.** Percentage cover of benthic groups recorded on reefs in 1998 survey.  
Mean values from all sites on each reef.

Sector	Reef	Reef ID	Shelf	Algae	Hard coral	Soft coral	Acroporidae	Favidae	Pocilloporidae	Poritidae	Acropora Tabulate	Acropora 'Other'	Montipora
WH	191888	19-188	M	70.8	17.1	0.8	4.8	3.7	2.3	1.5	0.2	1.5	2.8
WH	201048	20-104	M	61.1	21.9	1.2	5.8	3.5	2.2	2.7	0.4	1.1	4.1
WH	191598	19-159	O	20.3	44.2	13.6	24.2	5.5	4.6	1.6	7.8	13.9	2.0
WH	Hyde	19-207	O	12.5	17.9	44.5	4.2	2.0	1.7	5.2	0.6	2.6	0.6
WH	Kebe	19-209	O	20.6	19.1	36.0	3.1	2.5	1.9	7.5	0.2	2.4	0.2
SW	220888	22-088	I	33.4	21.4	7.9	3.8	1.0	2.4	8.8	0.1	0.6	2.5
SW	215298	21-529	M	44.7	43.6	1.6	24.4	2.5	3.8	6.7	1.5	18.1	4.4
SW	Chinaman	22-102	M	20.3	33.8	30.8	8.5	6.2	4.5	7.1	2.9	4.0	1.2
SW	Gannet Cay	21-558	M	70.2	19.9	4.8	11.1	0.7	0.9	1.6	0.3	8.1	2.1
SW	Horseshoe	22-104	M	38.3	45.9	3.5	24.9	4.1	3.6	2.6	8.2	7.4	7.8
SW	East Cay	21-805	O	27.2	19.6	39.7	5.0	2.2	3.1	4.4	0.7	3.7	0.2
SW	Turner Cay	21-562	O	17.3	32.0	33.5	11.9	5.3	3.1	5.5	4.7	6.5	0.4
CB	Broomfield	23-048	O	24.8	42.2	4.7	34.2	2.3	0.7	0.8	14.8	10.1	0.8
CB	Lady Musgrave Is	23-082	O	28.1	50.2	0.3	45.7	1.2	1.5	0.1	38.8	5.9	0.3
CB	One Tree Is	23-053	O	19.6	41.4	1.1	34.5	1.9	0.7	0.6	26.4	7.1	0.7
CB	Wreck Is	23-051	O	10.8	66.7	9.8	59.9	3.2	0.7	0.2	47.7	10.0	1.6