

Table 1. Patch reef data table showing approximate location with latitude and longitude points including data from 2009 and 2013. The number of *Acropora cervicornis* colonies and *Acropora palmata* per site are given. Site 15 did not contain any *Acropora* corals. *Acropora cervicornis* was found on 44% of the sites. *Acropora palmata* was found on 83% of the sites.

Site Name	Year	Latitude	Longitude	# Cervicornis	# Palmata
Site 1	2015	16.751	-88.097	2	7
	2013	16.751	-88.097	0	2
	2009	16.751	-88.097	13	3
Site 2	2015	16.753	-88.098	0	29
Site 3	2015	16.763	-88.099	24	14
	2013	16.763	-88.099	13	3
	2009	16.763	-88.099	0	2
Site 4	2015	16.761	-88.112	6	25
Site 5	2015	16.769	-88.118	0	7
	2009	16.769	-88.118	0	0
Site 6	2015	16.772	-88.117	0	18
	2009	16.772	-88.117	0	0
Site 7	2015	16.768	-88.114	14	1
	2013	16.768	-88.114	13	1
	2009	16.768	-88.114	13	1
Site 8	2015	16.747	-88.107	0	8
Site 9	2015	16.756	-88.113	0	10
Site 10	2015	16.756	-88.117	0	6
Site 11	2015	16.762	-88.114	2	0
Site 12	2015	16.764	-88.113	0	10
Site 13	2015	16.765	-88.114	4	0
Site 14	2015	16.767	-88.117	0	3
Site 15	2015	16.773	-88.119	0	0
Site 16	2015	16.773	-88.118	0	12
Site 17	2015	16.774	-88.114	2	10
Site 18	2015	16.761	-88.098	9	19

Table 2. Data collection of *Acropora* over given patches. **A)** *Acropora cervicornis* (eight patches) and **B)** *A. palmata* (fifteen patches). Data per site is averaged per colony. Size data: average length, width, ellipse, and TLE (total linear extension). Health data: average percent of TLE live, new dead (ND) and old dead (OD), percent of TLE tissue without signs of stress. Healthy tissue data: average percentage of tissue (TLE) per colony per patch that had > 50%, >75%, >90%, and 100% live cover. Stressor presence data: percentage of encounters with various stressors. (e.g., Site 18 had approximately 78% of its staghorn colonies had fireworm damage. Site 5 had 14% of its elkhorn colonies affected by damselfish predation.)

A																
Site	Avg L	Avg W	Avg Ellipse	Avg TLE	% Live	% ND	%OD	% no stress	>50% live	>75% live	>90% live	100% live	% snails	% disease	%damselfs	% fireworm
Site 1	66	53	15061	544	83	6	11	0	100	100	0	0	0	100	50	100
Site 3	30	24	2818	162	84	1	15	67	92	71	58	29	4	0	0	42
Site 4	33	25	2781	220	81	2	17	33	83	83	50	50	0	0	17	67
Site 7	29	24	2692	196	84	4	12	29	93	79	71	36	7	0	14	64
Site 11	27	19	1541	125	80	0	20	0	100	100	0	0	0	0	0	100
Site 13	36	31	3576	187	69	0	31	0	50	50	50	25	0	0	25	100
Site 17	36	32	3927	274	68	0	32	100	100	50	0	0	0	0	0	0
Site 18	20	13	897	65	77	2	21	22	100	89	11	11	0	0	0	78
Site	Avg L	Avg W	Avg Ellipse	Avg TLE	% Live	% ND	%OD	% no stress	>50% live	>75% live	>90% live	100% live	% snails	% disease	%damselfs	% fireworm
Site 1	85	50	15643	325	92	1	7	86	100	86	71	57	0	14	14	0
Site 2	49	32	5808	148	94	1	5	83	100	90	79	76	14	3	0	0
Site 3	99	54	21885	420	78	6	16	71	86	57	57	43	7	0	21	0
Site 4	63	51	10739	260	86	1	13	60	92	76	64	48	4	8	24	0
Site 5	96	82	28777	474	98	0	2	86	100	100	86	71	0	0	14	0
Site 6	47	29	5513	132	94	0	6	72	100	89	83	61	11	0	17	0
Site 7	63	31	6136	150	87	0	13	0	100	100	0	0	0	0	100	0
Site 8	33	22	3954	130	90	0	10	100	88	88	88	86	0	0	0	0
Site 9	54	39	10410	221	94	2	4	40	100	100	70	70	30	10	20	0
Site 10	50	29	7981	202	88	1	11	67	83	83	83	50	0	17	17	0
Site 12	43	34	7290	180	81	3	16	80	100	70	20	10	0	20	10	0
Site 14	96	48	18992	465	93	0	7	33	100	100	67	33	33	0	67	0
Site 16	70	54	14725	333	87	7	6	25	100	75	58	25	0	17	67	0
Site 17	62	48	11254	191	91	3	6	30	100	90	80	40	0	10	70	0
Site 18	83	52	17220	363	85	1	14	68	100	74	63	42	5	26	11	0

B																
Site	Avg L	Avg W	Avg Ellipse	Avg TLE	% Live	% ND	%OD	% no stress	>50% live	>75% live	>90% live	100% live	% snails	% disease	%damselfs	% fireworm
Site 1	85	50	15643	325	92	1	7	86	100	86	71	57	0	14	14	0
Site 2	49	32	5808	148	94	1	5	83	100	90	79	76	14	3	0	0
Site 3	99	54	21885	420	78	6	16	71	86	57	57	43	7	0	21	0
Site 4	63	51	10739	260	86	1	13	60	92	76	64	48	4	8	24	0
Site 5	96	82	28777	474	98	0	2	86	100	100	86	71	0	0	14	0
Site 6	47	29	5513	132	94	0	6	72	100	89	83	61	11	0	17	0
Site 7	63	31	6136	150	87	0	13	0	100	100	0	0	0	0	100	0
Site 8	33	22	3954	130	90	0	10	100	88	88	88	86	0	0	0	0
Site 9	54	39	10410	221	94	2	4	40	100	100	70	70	30	10	20	0
Site 10	50	29	7981	202	88	1	11	67	83	83	83	50	0	17	17	0
Site 12	43	34	7290	180	81	3	16	80	100	70	20	10	0	20	10	0
Site 14	96	48	18992	465	93	0	7	33	100	100	67	33	33	0	67	0
Site 16	70	54	14725	333	87	7	6	25	100	75	58	25	0	17	67	0
Site 17	62	48	11254	191	91	3	6	30	100	90	80	40	0	10	70	0
Site 18	83	52	17220	363	85	1	14	68	100	74	63	42	5	26	11	0

Table 3. *Acropora cervicornis* colony data. Average total linear extension (TLE), number of colonies, total growth (TLE*number of colonies), percent live tissue (from TLE), total live tissue (total growth*% live*0.01), 100% live TLE (percent of colonies with no dead tissue; Table 2), number colonies totally alive (100% live*number of colonies at that site). Average colony of staghorn coral is 177 cm. The average percent live tissue per colony is 81%. Average percent of colonies with no dead (new or old dead) is 27%.

Site	TLE (cm)	# Colonies	Total Growth (cm)	% Live Tissue	Total Live (cm)	100% Live Colonies	# Colonies Totally Alive
1	544	2	1088	83	903.04	0	0
3	162	24	3888	84	3265.92	29	7
4	220	6	1320	81	1069.2	50	3
7	196	14	2744	84	2304.96	36	5
11	125	2	250	80	200	0	0
13	187	4	748	69	516.12	25	1
17	274	2	548	68	372.64	0	0
18	65	9	585	77	450.45	11	1
Total		63	11171		9082.33		17
Avg colony size		177 cm					
Avg % live tissue		81%					
Avg % with no dead		27%					

Table 4. *Acropora palmata* colony data. Average total linear extension (TLE), number of colonies, total growth (TLE*number of colonies), percent live tissue (from TLE), total live tissue (total growth*% live*0.01), 100% live TLE (percent of colonies with no dead; Table 2), number colonies totally alive (100% live*number of colonies at that site). Average colony of elkhorn coral is 253 cm. The average percent live tissue per colony is 88%. Average percent of

Site	TLE (cm)	# Colonies	Total Growth (cm)	% Live Tissue	Total Live (cm)	100% Live Colonies	# Colonies Totally Alive
1	325	7	2275	92	2093	57	4
2	148	29	4292	94	4034.48	76	22
3	420	14	5880	78	4586.4	43	6
4	260	25	6500	86	5590	48	12
5	474	7	3318	98	3251.64	71	5
6	132	18	2376	94	2233.44	61	11
7	150	1	150	87	130.5	0	0
8	130	8	1040	90	936	86	7
9	221	10	2210	94	2077.4	70	7
10	202	6	1212	88	1066.56	50	3
12	180	10	1800	81	1458	10	1
14	465	3	1395	93	1297.35	33	1
16	333	12	3996	87	3476.52	25	3
17	191	10	1910	91	1738.1	40	4
18	363	19	6897	85	5862.45	42	8
Total		179	45251		39831.84		94
Avg colony size		253 cm					
Avg % live tissue		88%					
Avg % with no dead		53%					

Table 5. Benthic cover data table (% of total cover) from Coral Point Count (CPCe) analysis.

Site	Live Coral	Macroalgae	Gorgonians	Sponges	Dead Coral	Sand, Pavement, Rubble
1	25.06	13.85	2.6	0.71	1.77	55.82
2	44.07	20.09	0.32	0.71	4.87	29.8
3	14.44	42.98	0.8	0.33	4.66	36.2
4	23.95	43.19	0.24	1.84	2.27	27.75
5	14.23	32.16	0.62	2.34	0.34	50.18
6	27.85	32.59	0.39	1.74	1.29	36.09
7	7.03	46.61	0.43	1.5	0.17	44.01
8	7.22	45.52	0.59	1.16	1.78	43.64
11	10.62	43.2	0.73	2.36	1.81	41.16
12	14.85	35.92	0.65	1.12	0.6	46.74
Average	18.932	35.611	0.737	1.381	1.956	41.139

Table 6. Distribution of coral species on patch reefs. Average live coral cover is 18.9%. Coral cover is made primarily of branching species. *Acropora* accounts for 12% of live coral cover.

Coral	% cover	proportion of total coral cover	Colony Type
<i>A. palmata</i>	2.16	0.11	Branching
<i>A. cervicornis</i>	0.09	0.01	Branching
<i>Agaricia tenuifolia</i>	3.88	0.21	Branching
<i>Diploria strigosa</i>	0.53	0.03	Massive
<i>Millipora complanata</i>	2.90	0.15	Branching
<i>Porites astreoides</i>	3.89	0.21	Massive
<i>Porites porites</i>	3.03	0.16	Branching
<i>Montrastrea</i>	0.16	0.01	Massive
<i>Siderastrea</i>	0.51	0.03	Massive
OTHER	1.74	0.09	NA
Sum	18.94	1	