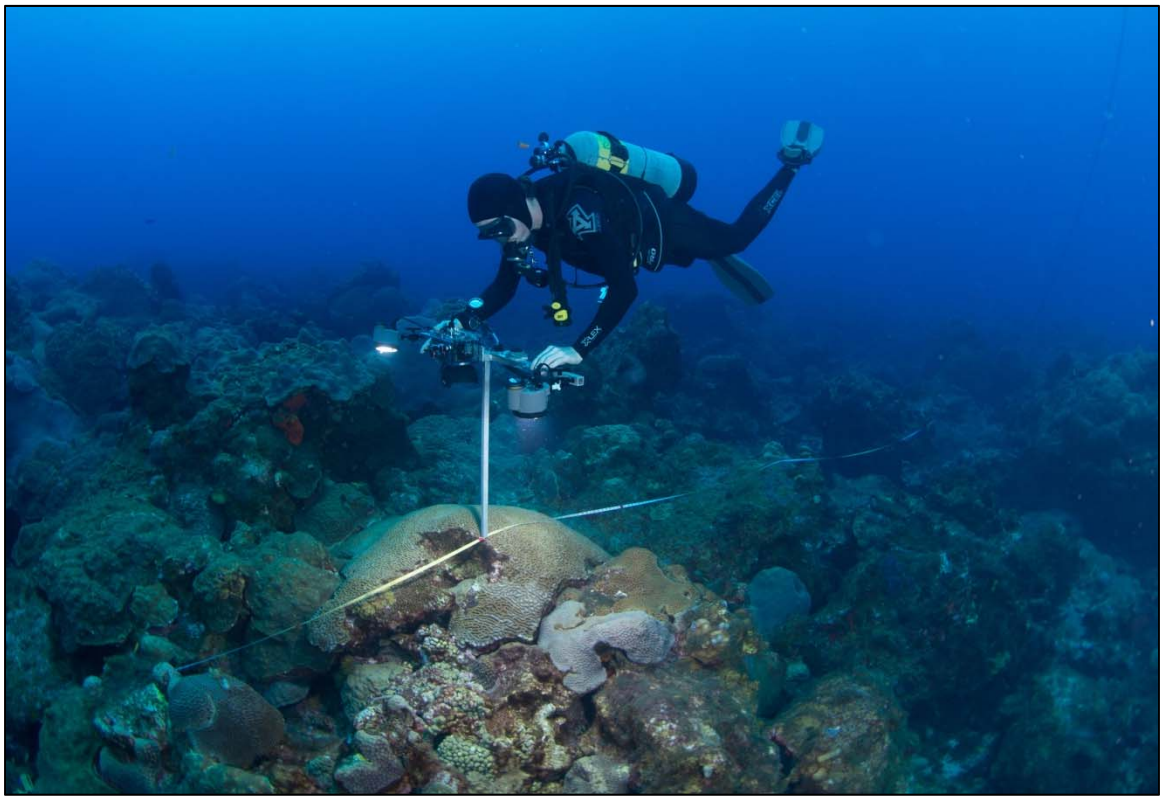
OCS Study
BOEM 2015-028
FGBNMS 2015-002

Long-Term Monitoring at East and West Flower Garden Banks National Marine Sanctuary, 2011–2012

Volume 2: Appendixes



U.S. Department of the Interior
Bureau of Ocean Energy Management
Gulf of Mexico OCS Region

National Oceanic and Atmospheric Administration
Flower Garden Banks National Marine Sanctuary

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Volume 2: Appendixes

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ABOUT THE COVER

The cover photograph features NOAA Flower Garden Banks National Marine Sanctuary diver Ryan Eckert capturing a benthic scene in the East Flower Garden Bank. He is using a camera mounted on an aluminmum T-frame on a random transect line. Photograph by G.P. Schmahl (NOAA FGBNMS).

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APPENDIX 1.0: FLOWER GARDEN BANKS NATIONAL MARINE SANCTUARY REGULATIONS

Flower Garden Banks National Marine Sanctuary (FGBNMS) regulations (15 CFR, Subpart L, 922.122(a); 15 CFR, Subpart A, 922.3) lists activities that are prohibited or otherwise regulated within all thre areas of the FGBNMS

(1) Anchoring and Mooring. The following acitivites are prohibited:

- Anchoring a vessel within the sanctuary.
- Mooring a vessel over 30.5 m (100 feet) in registered length on a sanctuary mooring buoy.

(2) Discharges. Regulations prohibit discarging or depositing any material or other matter in or into the sanctuary, with a few exceptions including:

- Fish, fish parts, chumming materials or bait used while fishing with conventional hook and line gear within the sanctuary.
- Clean effluent from an operable Tyle I or II marine sanitation device (MSD).
- Clean water generated by routine vessel operations (e.g. cooling water, deck wash down, and bilge water) excluding oily wastes from bilge pumping.
- Engine exhaust.
- In addition, it is required that vessel operators lock all MSDs in a manner that prevents discharge or deposit of untreated sewage.

(3) Diver Safety. All moored vessels engaged in diving activities at the FGBNMS must clearly exhibit the blue and white International Code flag “A” (“alpha” dive flag) or red and white “sports diver” flag when divers are in the water and remove it once all divers exit the water.

(4) Marine Mammals and Sea Turtles. Regulations prohibit taking any marine mammal or turtle within the sanctuary.

(5) Rays and Whale Sharks. Regulations prohibit killing, injuring, attracting, touching, or disturbing rays or whale sharks, except for incidental catch by convential hook and line gear.

(6) Injury or Possession of Sanctuary Resources. The following activities are generally prohibited:

- Injuring or removing, or attempting to injure or remove, any coral or other bottom formation, coralline algae or other plant, marine invertebrate (e.g., spiny lobster, queen conch, shell, sea urchin), brine seep biota or carbonate rock within the sanctuary.
- Possessing within the sanctuary (regardless of where collected, caught, harvested or removed), any carbonate rock, coral or other bottom formation, coralline algae or other plant, or fish (except for fish caught by use of conventional hook and line gear).

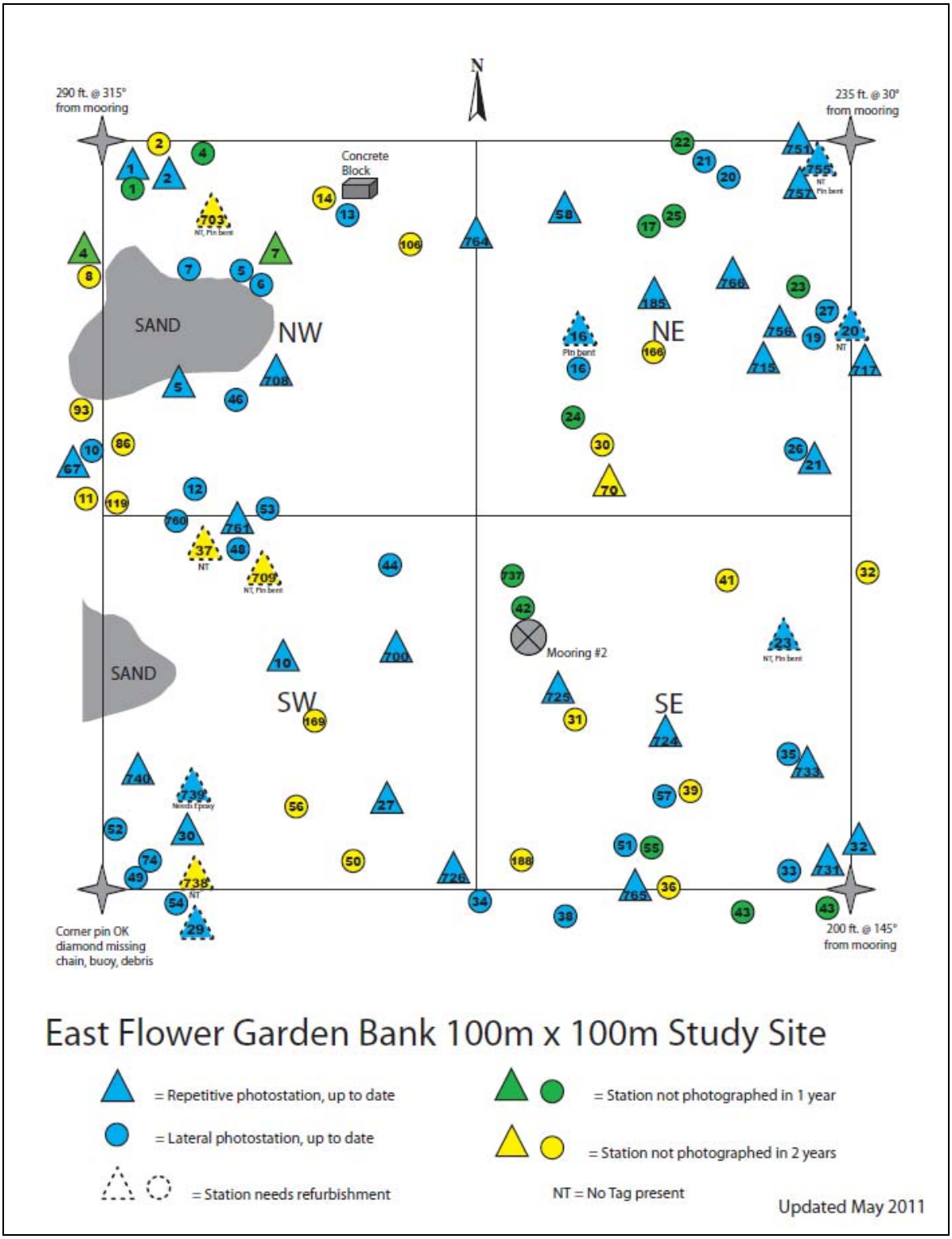
- Drilling into, dredging or otherwise altering the seabed of the sanctuary; or constructing, placing or abandoning any structure, material or other matter on the seabed of the sanctuary.

(7) Fishing and Related Activities. The following activities are generally prohibited:

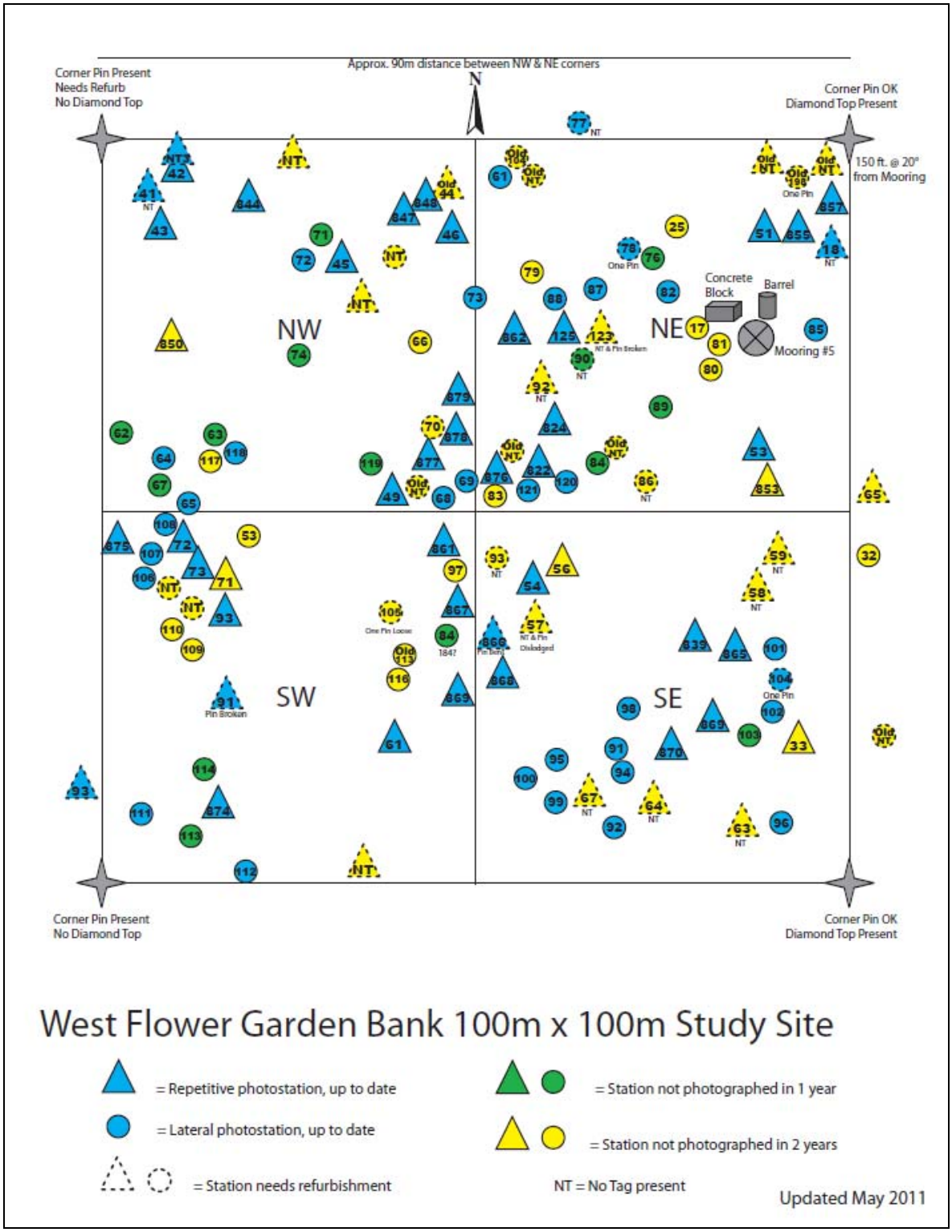
- Injuring, catching, harvesting, collecting or feeding, or attempting to injure, catch, harvest, collect or feed, any fish within the sanctuary by use of any gear, device, equipment or means (e.g. spear gun, nets) except by use of conventional hook and line gear.
- Possessing (except while passing through the sanctuary without interruption) any fishing gear, device, equipment or means except conventional hook and line gear.
- Possessing, or using explosives or releasing electrical charges within the sanctuary.

APPENDIX 2.0: LONG-TERM MONITORING STUDY SITE MAPS

2.1. LOCATIONS OF MONITORING STATIONS AT EFGB, 2011

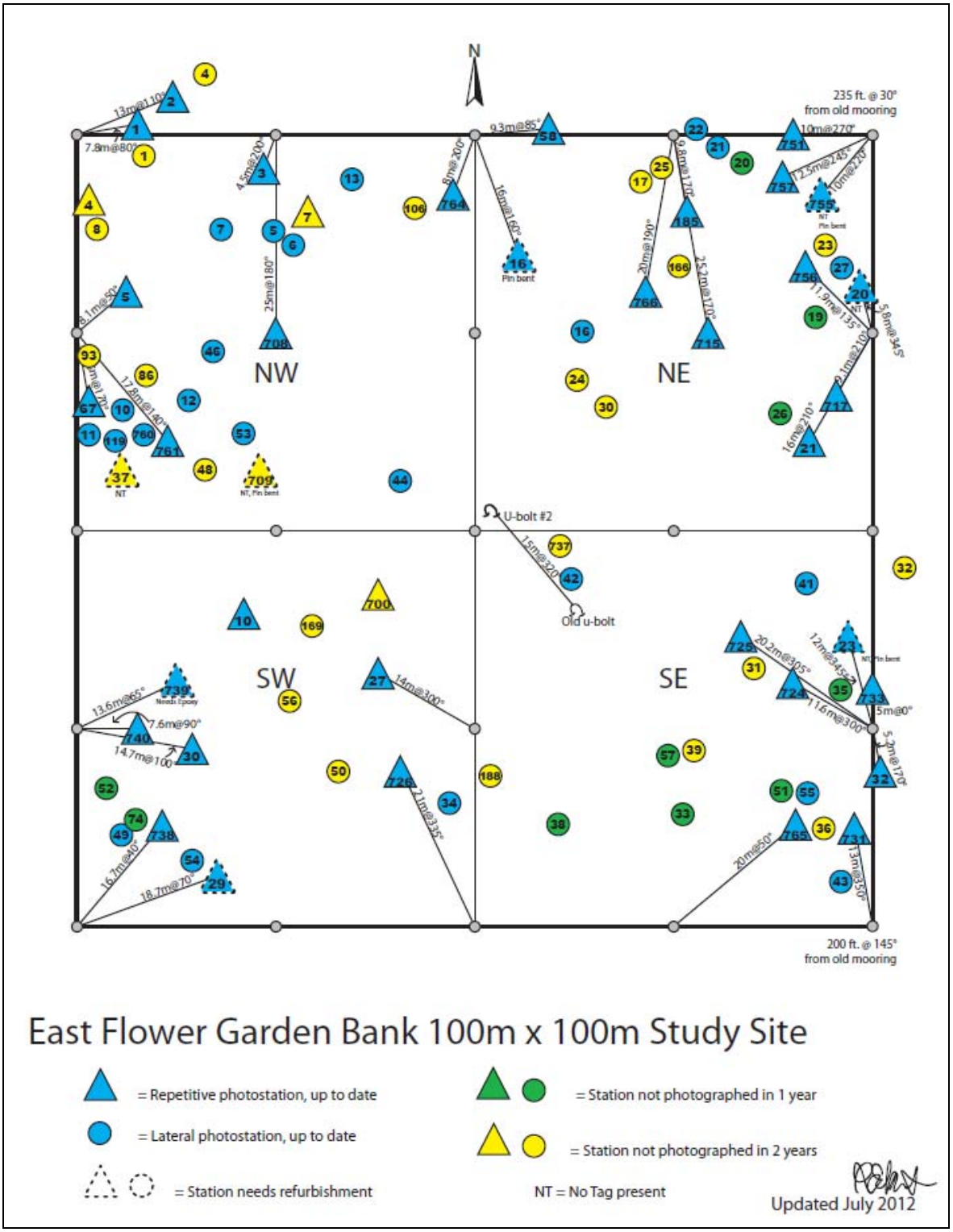


2.2. LOCATIONS OF MONITORING STATIONS AT WFGB, 2011



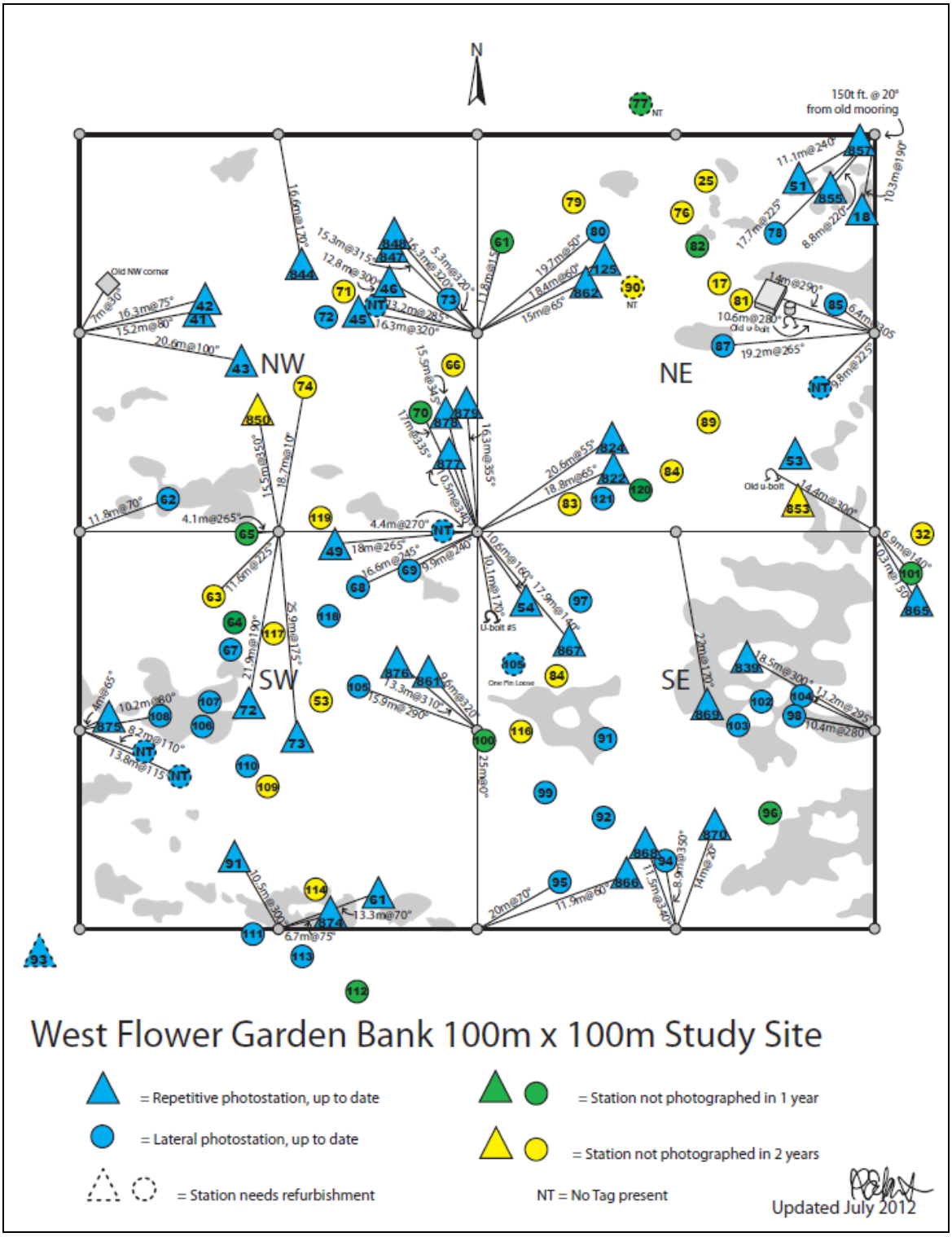
Before refurbishment the study site north line was less than 100 m.

2.3. LOCATIONS OF MONITORING STATIONS AT EFGB, 2012



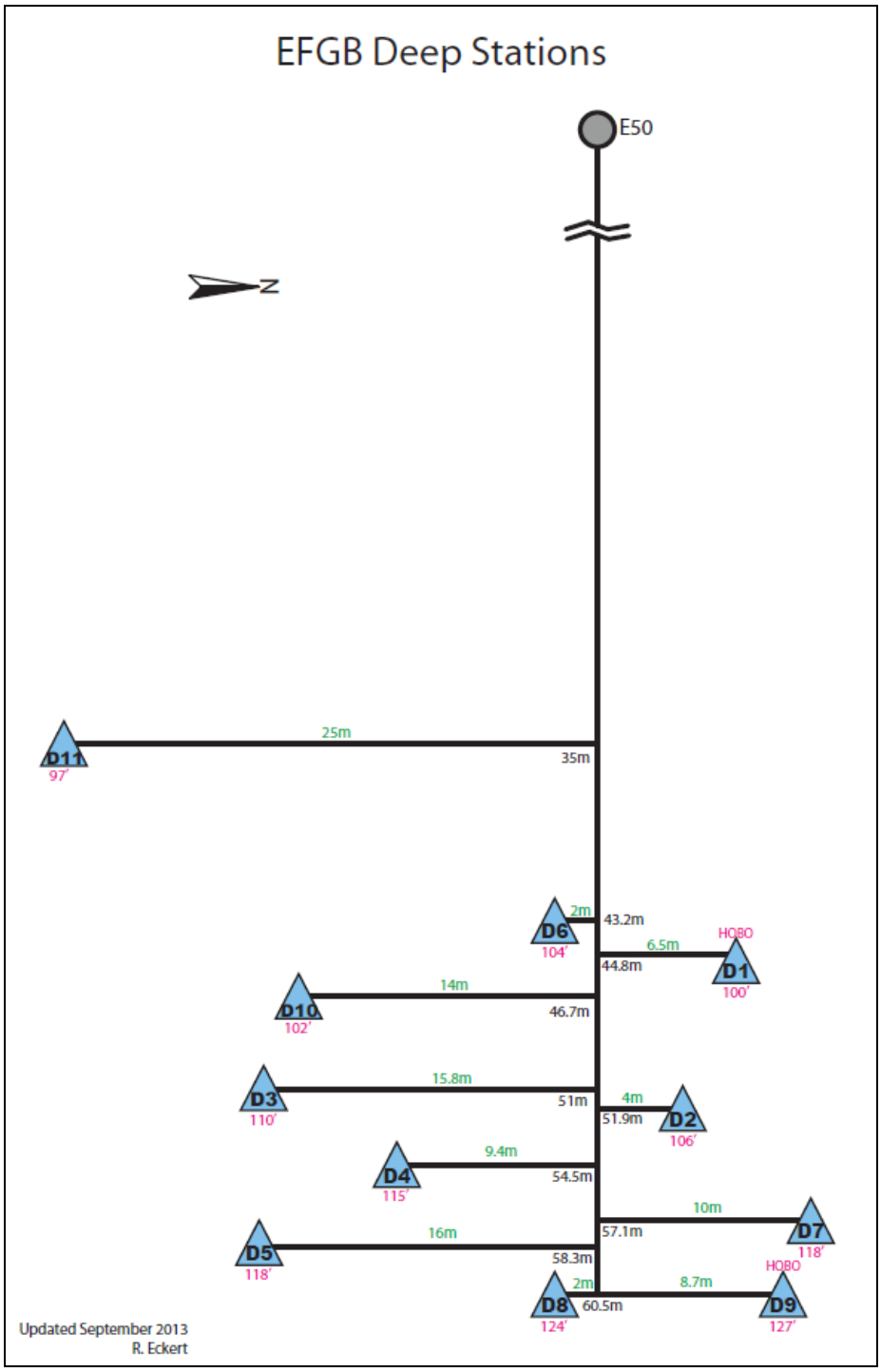
Study site after site refurbishment.

2.4. LOCATIONS OF MONITORING STATIONS AT WFGB, 2012



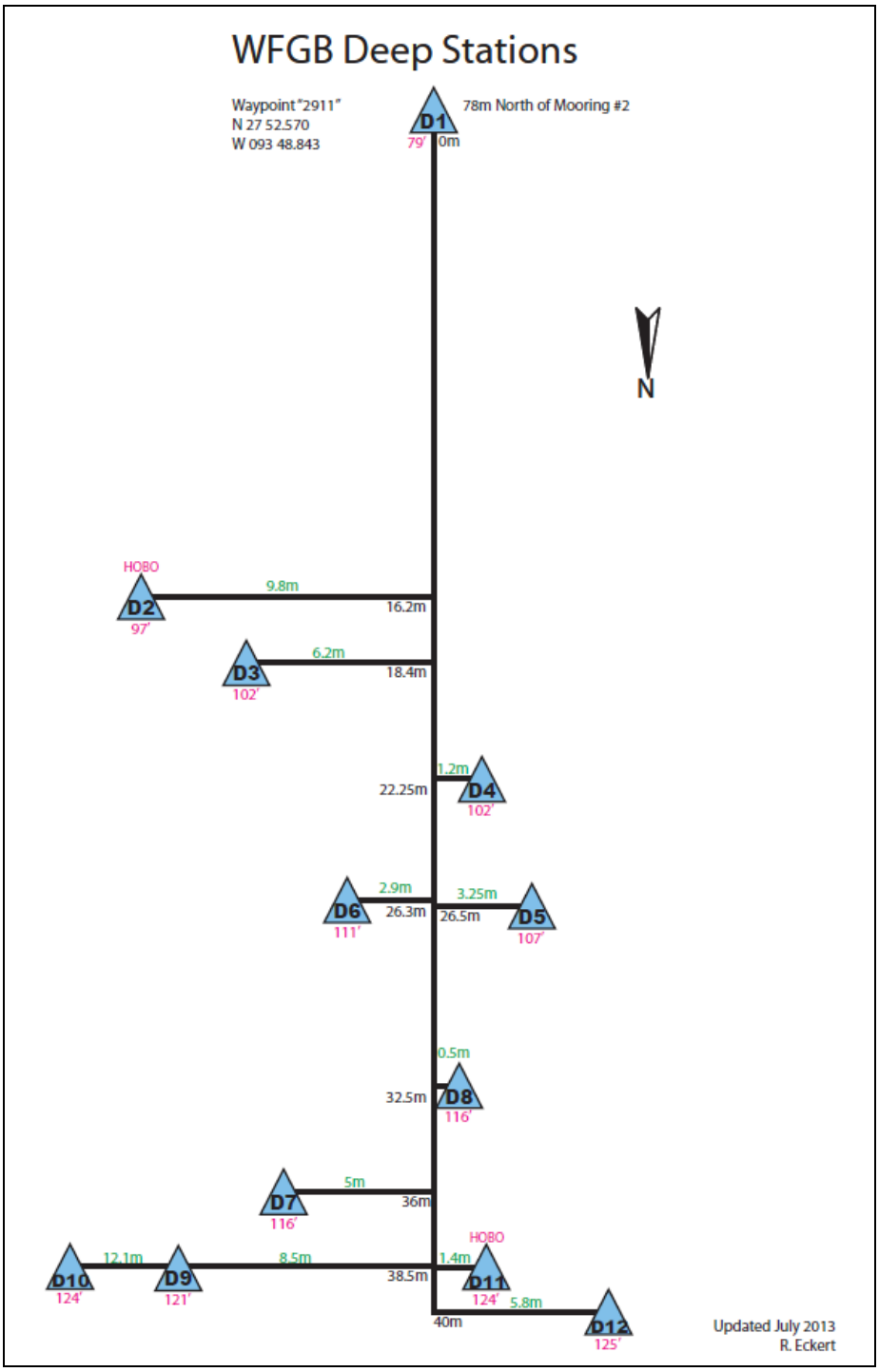
Study site after site refurbishment; dark patches respresent sand patches.

2.5. RELATIVE LOCATIONS OF EFGB DEEP REPETITIVE STATIONS



Repetitive stations depicted as blue triangles (located between 35 m and 60.5 m from the center of the east boundary line (E50) of the EFGB study site).

2.6. RELATIVE LOCATIONS OF WFGB DEEP REPETITIVE STATIONS



Stations depicted as blue triangles at WFGB (first station begins 78 m north of buoy no. 2 at WFGB).

APPENDIX 3.0: PROMINENT WEATHER SYSTEMS IN THE NORTHWEST GULF OF MEXICO FROM 2002–2012

Name	Date	Wind Speed (mph) or Category	Location and Distance
Tropical Storm Bertha	08/04/02	40	Northeast GOMEX, ~ 250 km north of the FGB
Tropical Storm Edouard	09/01/02	65	Northeast GOMEX, ~500 km east of the FGB
Tropical Storm Fay	09/07/02	60	Northwest GOMEX, ~100 km west of the FGB
Tropical Storm Hanna	09/12/02	50	Passed more than 400 km east of the FGB
Tropical Storm Bill	06/29/03	60	Passed within 200 km east of the FGB
Tropical Storm Grace	08/30/03	40	Passed within 100 km of the FGB
Tropical Storm Henri	09/03/03	50	Passed 700 km to the east of the FGB
Tropical Storm Larry	10/02/03	60	Took place in the southern GOMEX
Tropical Storm Bonnie	08/10/04	50	Central GOMEX, ~401 km (249 mi) east of EFGB
Hurricane Charley	08/13/04	Cat 4	Florida Straits, ~1132 km (703 mi) from EFGB
Tropical Storm Frances	09/04/04	65	Northeast GOMEX, ~924 km (574 mi) east of EFGB
Hurricane Ivan	09/15/04	Cat 4	FGB Eastern GOMEX, ~168 km (104 mi) east of EFGB
Tropical Storm Matthew	10/09/04	40	Northwest GOMEX, ~191 km (119 mi) east of EFGB
Tropical Storm Arlene	06/11/05	69	GB Central GOMEX, ~635 km (395 mi) east of EFGB
Tropical Storm Bret	06/25/05	40	Southwest GOMEX, ~805 km (500 mi) southwest of WFGB
Tropical Storm Cindy	07/05/05	70	Central GOMEX, ~307 km (191 mi) east of EFGB
Hurricane Dennis	07/10/05	Cat 4	Central GOMEX, ~686 km (426 mi) east of EFGB
Hurricane Emily	07/19/05	Cat 1	Southwest GOMEX, ~437 km (272 mi) south of WFGB
Tropical Storm Gert	07/25/05	45	Southwest GOMEX, ~924 km (574 mi) south of WFGB
Tropical Storm Jose	08/23/05	50	Central GOMEX, ~394 km (245 mi) east of EFGB
Hurricane Katrina	08/28/05	Cat 5	Central GOMEX, ~394 km (245 mi) east of EFGB
Hurricane Rita	09/23/05	Cat 3	Central GOMEX, ~93 km (58 mi) east of EFGB
Tropical Storm Stan	10/3/05	40	Southwest GOMEX, ~862 km (535 mi) south of EFGB
Hurricane Wilma	10/24/05	Cat 3	Southeast GOMEX, ~965 km (600 mi) southeast of EFGB
Tropical Storm Alberto	06/12/06	69	Eastern GOMEX, ~659 km (409 mi) southeast of EFGB

Name	Date	Wind Speed (mph) or Category	Location and Distance
Tropical Storm Barry	06/02/07	58	Southeast GOMEX,~926 km (576 mi) southeast of EFGB
Tropical Storm Erin	08/15/07	40	Western GOMEX, ~216 km (134 mi) east of WFGB
Hurricane Humberto	09/13/07	Cat 1	Northwest GOMEX, ~123 km (76 mi) west of WFGB
Hurricane Lorenzo	09/25/07	Cat 1	Southwest GOMEX, 680 km (423 mi) southwest of WFGB
Hurricane Dolly	07/22/08	Cat 1	South central GOMEX, ~360 km (224 mi) southeast of WFGB
Tropical Storm Edouard	08/05/08	63	Central GOMEX, ~139 km (86 mi) northeast of EFGB
Tropical Storm Fay	08/23/08	45	Eastern GOMEX, ~512 km (318 mi) east of EFGB
Hurricane Gustav	09/01/08	Cat 3	East central GOMEX, ~300 km (186 mi) east of EFGB
Hurricane Ike	09/13/08	Cat 2	Central GOMEX, ~0.7 km (0.4 mi) from EFGB
Tropical Storm Marco	10/07/08	63	Southwest GOMEX, ~916 km (569 mi) south of WFGB
Tropical Storm Claudette	08/16/09	60	Eastern GOMEX, ~1,207 km (750 mi) southeast of EFGB
Hurricane Ida	11/11/09	Cat 2	Central GOMEX, ~450 km (280 mi) northeast of EFGB
Hurricane Alex	06/30/10	Cat 2	Southwest GOMEX, ~482 km (300 mi) southwest of WFGB
Tropical Storm Bonnie	07/24/10	45	Eastern GOMEX, ~402 km (250 mi) southeast of EFGB
Tropical Storm Hermine	09/5/10	70	Southwest GOMEX, ~467 km (290 mi) southwest of WFGB
Tropical Storm Don	07/28/11	50	Southwest GOMEX, ~256 km (159 mi) southwest of WFGB
Tropical Storm Lee	09/2/11	60	Central GOMEX, ~212 km (132 mi) east of EFGB
Tropical Storm Debby	06/24/12	60	Eastern GOMEX, ~640 km (398 mi) east of EFGB
Hurricane/Tropical Storm Isaac	08/28/12	80	Central GOMEX, ~440 km (273 mi) southeast of EFGB

Source data: NOAA, National Hurricane Center (2012). Cat=category.

APPENDIX 4.0: RANDOM TRANSECT PERCENT COVER DATA

4.1. RANDOM TRANSECT PERCENT COVER DATA FROM 2011 AT EFGB

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Number of frames	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**		
Total points	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
Total points (minus tape + wand +shadow)	**423**	**494**	**487**	**440**	**439**	**427**	**424**	**498**	**407**	**485**	**424**	**461**	**441**	**473**	**420**	**387**		
MAJOR CATEGORY (% of transect)																		
CORAL	64.30	66.19	56.47	62.50	53.76	40.52	49.29	73.69	48.65	58.14	58.73	65.51	62.36	65.54	44.52	49.61	57.49	2.28
SPONGE	0.00	0.00	0.00	0.00	0.68	0.70	1.65	0.00	0.00	0.41	0.47	0.00	0.00	0.21	0.24	0.52	0.31	0.11
ENCRUSTING SPONGE	0.00	0.00	0.00	0.23	0.46	0.70	0.24	0.00	0.25	0.00	0.00	0.65	0.23	0.00	0.00	0.26	0.19	0.06
MACROALGAE	31.91	28.74	32.85	18.86	29.16	37.70	32.31	21.89	32.43	33.20	23.11	25.60	24.26	28.54	40.00	41.09	30.10	1.59
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.47	0.40	0.21	0.45	0.23	0.23	0.24	0.00	0.74	0.21	0.24	0.00	0.00	0.85	0.00	0.00	0.27	0.07
SUBSTRATE	3.31	4.66	10.47	17.95	15.49	19.91	15.09	4.42	17.94	8.04	17.45	8.24	13.15	4.86	15.24	8.27	11.53	1.41
SAND	0.00	0.00	0.00	0.00	0.23	0.23	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.12	0.07
TAPE, WAND, SHADOW	17.38	3.52	4.88	14.06	14.26	16.60	17.19	2.73	20.51	5.27	17.19	9.96	13.87	7.62	17.97	24.41	12.96	1.63
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUB-CATEGORIES (% of transect)																		
CORAL (C)																		

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.21	0.00	0.00	0.23	0.71	0.00	0.49	0.00	0.00	0.22	0.23	0.00	0.00	0.00	0.13	0.05
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Colpophyllia natans (CONA)	1.18	3.24	3.90	0.00	0.00	0.00	1.89	0.20	0.00	0.00	11.08	1.08	0.68	1.48	0.24	1.55	1.66	0.69
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	3.07	1.01	0.00	2.05	6.83	3.98	2.12	26.10	0.00	8.87	2.36	0.22	21.77	2.96	7.14	9.56	6.13	1.91
Unknown Coral I (C1)	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.24	1.30	0.00	0.42	0.00	0.00	0.15	0.09
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.24	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.13	0.00	0.00	0.00	0.11	0.07
Montastraea annularis (MOAN)	0.00	0.00	0.00	32.27	0.00	0.00	0.00	0.00	0.00	0.00	4.48	0.00	10.20	0.00	0.00	0.00	2.93	2.07
Montastraea annularis species complex (MASC)	0.95	2.43	1.23	3.86	23.01	0.94	0.71	5.02	2.70	1.65	15.80	0.00	4.76	0.85	17.14	3.10	5.26	1.74
Montastraea cavernosa (MOCA)	0.47	1.01	0.00	0.00	7.74	11.24	10.38	13.25	7.37	6.80	10.85	0.22	2.04	5.50	4.52	2.58	5.25	1.14
Montastraea faveolata (MOFA)	0.00	10.73	4.31	0.23	3.19	0.00	9.20	16.47	0.25	0.00	1.18	0.00	0.45	0.00	6.19	9.56	3.86	1.28
Montastraea franksi (MOFR)	53.66	44.33	42.30	20.68	4.33	19.44	18.16	12.25	27.76	29.07	3.54	50.76	16.55	43.13	6.19	16.28	25.53	4.16
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.85	0.00	0.00	0.08	0.05
Unknown Coral I (C1)	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.03	0.02
Porites astereoides (POAS)	2.36	2.23	4.11	2.50	2.28	3.04	4.48	0.40	4.91	10.72	6.60	10.63	1.59	4.02	1.90	4.91	4.17	0.74
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	2.28	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.14
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.01	0.01
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	2.13	0.00	0.00	0.00	3.64	0.23	0.24	0.00	0.00	0.00	1.65	0.00	2.04	3.38	0.48	1.03	0.93	0.31
Siderastrea sp (SISP)	0.24	0.00	0.00	0.00	0.00	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.24	0.26	0.13	0.05
Stephanocoenia intersepta (STIN)	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	2.54	0.00	0.26	0.38	0.23
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.45	0.23	0.47	0.71	0.00	1.97	0.00	0.94	0.87	0.00	0.42	0.24	0.52	0.43	0.13
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.68	0.00	0.71	0.00	0.00	0.00	0.24	0.00	0.00	0.21	0.24	0.52	0.16	0.06
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.23	0.46	0.70	0.24	0.00	0.25	0.00	0.00	0.65	0.23	0.00	0.00	0.26	0.19	0.06
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	10.64	24.09	22.38	7.05	15.26	13.11	6.37	11.24	13.27	19.59	7.78	12.58	7.03	20.30	16.19	17.83	14.04	1.41
Dictyota sp. (DICT)	11.82	2.83	4.72	5.00	12.30	21.31	21.93	9.24	9.34	9.07	10.61	8.89	13.83	7.61	18.81	18.60	11.62	1.47
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	8.98	1.62	4.93	2.73	0.68	2.81	3.54	1.00	8.11	3.51	3.07	2.82	1.59	0.63	2.86	0.52	3.09	0.62
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.03	0.02
Turf Algae Matrix (TURF)	0.47	0.20	0.82	4.09	0.91	0.47	0.47	0.40	1.47	1.03	1.65	1.30	1.81	0.00	1.90	4.13	1.32	0.31
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
UNKNOWN (U)																		
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.40	0.21	0.00	0.00	0.00	0.00	0.00	0.25	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03
Invertebrate (INVERT)	0.47	0.00	0.00	0.45	0.23	0.23	0.24	0.00	0.49	0.00	0.24	0.00	0.00	0.85	0.00	0.00	0.20	0.06
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	3.07	1.62	0.41	4.55	4.78	11.48	9.20	1.41	4.18	1.24	3.54	6.94	4.54	2.11	2.38	1.55	3.94	0.76
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	1.14	0.47	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.52	0.15	0.08
Crustose Coralline Algae (CCA)	0.24	1.01	5.13	0.45	3.19	2.34	0.94	2.21	0.49	4.12	3.07	0.00	0.68	1.69	3.10	1.55	1.89	0.38
Fine Turf (FINE)	0.00	2.02	4.72	12.95	5.24	3.75	3.54	0.80	13.27	2.68	10.61	0.65	7.94	1.06	9.76	4.13	5.20	1.10
Substrate Rubble (RUB)	0.00	0.00	0.21	0.00	1.14	1.87	1.42	0.00	0.00	0.00	0.24	0.43	0.00	0.00	0.00	0.52	0.36	0.15
SAND (SAND)																		
Sand (SAND)	0.00	0.00	0.00	0.00	0.23	0.23	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.12	0.07
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	15.43	0.98	1.37	9.96	12.50	13.67	15.23	0.00	18.36	2.73	14.26	6.45	11.52	5.47	14.26	22.27	10.28	1.68
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Tape (TAPE)	0.39	0.39	1.37	1.17	0.78	1.37	0.78	0.39	0.98	0.78	0.78	0.59	0.20	0.59	1.76	0.59	0.81	0.11
Wand (WAND)	1.56	2.15	1.76	2.93	0.98	1.56	1.17	2.34	1.17	1.76	2.15	2.93	2.15	1.56	1.95	1.56	1.86	0.14
NOTES (% of transect)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.47	1.01	0.00	0.00	0.91	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.63	0.00	0.26	0.22	0.09
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.42	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.74	1.53	0.00	0.00	1.69	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.97	0.00	0.52	0.37	0.14

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																		
CORAL (C)	272	327	275	275	236	173	209	367	198	282	249	302	275	310	187	192	258.06	13.86
SPONGE (SP)	0	0	0	0	3	3	7	0	0	2	2	0	0	1	1	2	1.31	0.47
ENCRUSTING SPONGE (SPE)	0	0	0	1	2	3	1	0	1	0	0	3	1	0	0	1	0.81	0.26
MACROALGAE (M)	135	142	160	83	128	161	137	109	132	161	98	118	107	135	168	159	133.31	6.30
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	2	2	1	2	1	1	1	0	3	1	1	0	0	4	0	0	1.19	0.29
SUBSTRATE (SUB)	14	23	51	79	68	85	64	22	73	39	74	38	58	23	64	32	50.44	5.80
SAND (SAND)	0	0	0	0	1	1	5	0	0	0	0	0	0	0	0	1	0.50	0.32
TAPE, WAND, SHADOW (TWS)	89	18	25	72	73	85	88	14	105	27	88	51	71	39	92	125	66.38	8.37
TOTAL TRANSECT POINTS	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
SUB CATEGORIES (occurring in transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	1	0	0	1	3	0	2	0	0	1	1	0	0	0	0.56	0.22
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
(AGSP)																		
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.06	0.06
Colpophyllia natans (CONA)	5	16	19	0	0	0	8	1	0	0	47	5	3	7	1	6	7.38	3.00
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	13	5	0	9	30	17	9	130	0	43	10	1	96	14	30	37	27.75	9.07
Unknown Coral I (C1)	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31	0.31
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	2	1	6	0	2	0	0	0.69	0.39
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0.19	0.19
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	1	0	0	0	1	0	0	0	0	0	0	1	5	0	0	0	0.50	0.32
Montastraea annularis (MOAN)	0	0	0	142	0	0	0	0	0	0	19	0	45	0	0	0	12.88	9.11
Montastraea annularis species complex (MASC)	4	12	6	17	101	4	3	25	11	8	67	0	21	4	72	12	22.94	7.47
Montastraea cavernosa (MOCA)	2	5	0	0	34	48	44	66	30	33	46	1	9	26	19	10	23.31	5.17
Montastraea faveolata (MOFA)	0	53	21	1	14	0	39	82	1	0	5	0	2	0	26	37	17.56	6.07
Montastraea franksi (MOFR)	227	219	206	91	19	83	77	61	113	141	15	234	73	204	26	63	115.75	19.57
Mussa angulosa (MUAN)	0	0	0	1	0	0	0	0	0	0	0	0	1	4	0	0	0.38	0.26
Unknown Coral I (C1)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0.13	0.09
Porites astereoides (POAS)	10	11	20	11	10	13	19	2	20	52	28	49	7	19	8	19	18.63	3.51
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	10	2	0	0	0	0	0	0	0	0	0	0	0.75	0.63
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.06	0.06
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	9	0	0	0	16	1	1	0	0	0	7	0	9	16	2	4	4.06	1.42

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Siderastrea sp (SISP)	1	0	0	0	0	2	2	0	0	0	0	0	2	0	1	1	0.56	0.20
Stephanocoenia intersepta (STIN)	0	0	2	0	0	0	0	0	12	0	0	0	0	12	0	1	1.69	1.02
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	2	1	2	3	0	8	0	4	4	0	2	1	2	1.81	0.54
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0	0	0	0	3	0	3	0	0	0	1	0	0	1	1	2	0.69	0.27
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0.19	0.19
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia strobilina (IRST)	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0.19	0.19
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.06	0.06
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.06	0.06
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0.13	0.13
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0	0	0	1	2	3	1	0	1	0	0	3	1	0	0	1	0.81	0.26

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	45	119	109	31	67	56	27	56	54	95	33	58	31	96	68	69	63.38	7.13
Dictyota sp. (DICT)	50	14	23	22	54	91	93	46	38	44	45	41	61	36	79	72	50.56	5.88
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Lobophora variegata (LOVA)	38	8	24	12	3	12	15	5	33	17	13	13	7	3	12	2	13.56	2.59
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0.13	0.09
Turf Algae Matrix (TURF)	2	1	4	18	4	2	2	2	6	5	7	6	8	0	8	16	5.69	1.27
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
OTHER (O)																		
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	2	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0.31	0.15
Invertebrate (INVERT)	2	0	0	2	1	1	1	0	2	0	1	0	0	4	0	0	0.88	0.29
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	13	8	2	20	21	49	39	7	17	6	15	32	20	10	10	6	17.19	3.25
Coral Rubble (CRUB)	0	0	0	0	5	2	0	0	0	0	0	1	0	0	0	2	0.63	0.34
Crustose Coralline Algae (CCA)	1	5	25	2	14	10	4	11	2	20	13	0	3	8	13	6	8.56	1.79
Fine Turf (FINE)	0	10	23	57	23	16	15	4	54	13	45	3	35	5	41	16	22.50	4.61
Substrate Rubble (RUB)	0	0	1	0	5	8	6	0	0	0	1	2	0	0	0	2	1.56	0.63
SAND (SAND)																		
Sand (SAND)	0	0	0	0	1	1	5	0	0	0	0	0	0	0	0	1	0.50	0.32
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.13
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Shadow (SHADOW)	79	5	7	51	64	70	78	0	94	14	73	33	59	28	73	114	52.63	8.59
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tape (TAPE)	2	2	7	6	4	7	4	2	5	4	4	3	1	3	9	3	4.13	0.55
Wand (WAND)	8	11	9	15	5	8	6	12	6	9	11	15	11	8	10	8	9.50	0.73
NOTES (occurring in transect)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD. ER.
Concentrated Fish Biting (CONCFB)	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0.13	0.09
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.13	0.09
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	2	5	0	0	4	0	0	0	1	0	0	0	0	3	0	1	1.00	0.41
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0.13	0.09
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.13	0.09
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	2	5	0	0	4	0	0	0	1	0	0	0	0	3	0	1	1.00	0.41
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

4.2. RANDOM TRANSECT DIVERSITY MEASURES FROM 2011 AT EFGB

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4
Shannon-Weaver Index	**0.79**	**0.80**	**0.94**	**0.96**	**1.07**	**1.15**	**1.15**	**0.70**	**1.07**	**0.92**	**1.00**	**0.86**	**0.92**	**0.84**	**1.03**	**0.98**
CORAL (C)	0.28	0.27	0.32	0.29	0.33	0.37	0.35	0.22	0.35	0.32	0.31	0.28	0.29	0.28	0.36	0.35
SPONGE (SP)	0.00	0.00	0.00	0.00	0.03	0.03	0.07	0.00	0.00	0.02	0.03	0.00	0.00	0.01	0.01	0.03
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.01	0.02	0.03	0.01	0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.00	0.02
MACROALGAE (M)	0.36	0.36	0.37	0.31	0.36	0.37	0.37	0.33	0.37	0.37	0.34	0.35	0.34	0.36	0.37	0.37
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.03	0.02	0.01	0.02	0.01	0.01	0.01	0.00	0.04	0.01	0.01	0.00	0.00	0.04	0.00	0.00
SUBSTRATE (SUB)	0.11	0.14	0.24	0.31	0.29	0.32	0.29	0.14	0.31	0.20	0.30	0.21	0.27	0.15	0.29	0.21
SAND (SAND)	0.00	0.00	0.00	0.00	0.01	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Simpson Index of Diversity	**0.48**	**0.48**	**0.56**	**0.54**	**0.60**	**0.65**	**0.63**	**0.41**	**0.63**	**0.55**	**0.57**	**0.50**	**0.53**	**0.49**	**0.62**	**0.58**
CORAL (C)	0.41	0.44	0.32	0.39	0.29	0.16	0.24	0.54	0.24	0.34	0.34	0.43	0.39	0.43	0.20	0.25
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.10	0.08	0.11	0.04	0.09	0.14	0.10	0.05	0.11	0.11	0.05	0.07	0.06	0.08	0.16	0.17
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.00	0.00	0.01	0.03	0.02	0.04	0.02	0.00	0.03	0.01	0.03	0.01	0.02	0.00	0.02	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.3. Random Transect Percent Cover Data from 2012 at EFGB

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Number of frames	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**		
Total points	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
Total points (minus tape+wand+shadow)	**405**	**388**	**448**	**409**	**430**	**397**	**375**	**423**	**489**	**494**	**451**	**458**	**425**	**418**	**440**	**381**		
MAJOR CATEGORY (% of transect)																		
CORAL	35.80	72.42	70.98	42.30	30.93	61.46	30.93	16.55	62.37	65.38	61.20	77.95	43.53	68.66	56.36	43.04	52.49	4.50
SPONGE	1.23	0.00	0.67	0.00	0.23	0.25	2.13	0.00	0.41	0.00	0.00	0.22	2.59	0.00	0.68	0.52	0.56	0.20
ENCRUSTING SPONGE	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.22	0.00	0.00	0.00	0.23	0.00	0.06	0.03
MACROALGAE	54.81	19.59	24.78	47.43	58.37	31.49	50.67	67.38	29.24	25.51	33.92	16.16	43.53	24.40	27.95	46.19	37.59	3.80
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.25	0.26	0.22	0.24	0.00	0.00	0.00	0.24	0.41	0.40	0.44	0.87	0.47	0.48	0.00	0.00	0.27	0.06
SUBSTRATE	7.65	7.47	2.46	9.78	10.00	6.55	16.27	15.60	7.57	8.50	4.21	4.80	9.88	5.02	12.27	9.97	8.63	0.96
SAND	0.25	0.00	0.89	0.24	0.47	0.25	0.00	0.24	0.00	0.00	0.00	0.00	0.00	1.44	2.50	0.26	0.41	0.17
TAPE, WAND, SHADOW	20.90	24.22	12.50	20.12	16.02	22.46	26.76	17.38	4.49	3.52	11.91	10.55	16.99	18.36	14.06	25.59	16.61	1.72
Sum (excluding tape+shadow+wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUBCATEGORIES (% of transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.25	0.00	0.22	0.24	0.47	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.48	0.00	0.26	0.15	0.05
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Colpophyllia natans (CONA)	0.99	7.47	2.90	3.91	7.44	2.52	1.87	0.00	0.61	0.20	0.44	3.06	1.65	7.18	0.45	0.00	2.54	0.67
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	5.68	5.93	2.01	1.47	4.42	18.89	6.67	0.24	2.86	5.26	1.11	0.00	18.35	17.70	27.27	4.46	7.65	2.05
Unknown Coral I (C1)	0.25	0.26	0.89	0.00	0.00	0.25	0.00	1.18	0.00	0.00	0.22	0.00	0.24	0.00	0.23	0.26	0.24	0.08
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.03	0.02
Unknown Coral I (C1)	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.25	0.00	0.00	1.47	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.14	0.09
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Coral I (C1)	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.02	0.02
Millepora alcicornis (MIAL)	0.00	0.52	0.00	0.00	0.00	0.50	0.27	0.00	0.00	0.00	0.44	0.22	0.00	0.00	0.00	0.26	0.14	0.05
Montastraea annularis (MOAN)	0.00	0.00	0.67	0.00	0.00	0.25	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.13	0.06
Montastraea annularis species complex (MASC)	0.49	3.87	12.50	1.22	0.70	7.56	7.73	0.24	0.00	2.83	0.67	1.31	1.65	0.96	0.23	0.52	2.65	0.89
Montastraea cavernosa (MOCA)	0.74	4.12	8.26	1.71	3.49	7.05	2.13	1.18	0.00	0.20	6.87	8.73	5.18	0.00	1.59	0.52	3.24	0.77
Montastraea faveolata (MOFA)	0.00	4.90	0.00	3.91	4.42	2.52	1.87	0.47	5.52	0.00	2.88	7.64	0.47	3.11	0.00	7.35	2.82	0.66
Montastraea franksi (MOFR)	18.77	41.24	39.96	14.91	4.42	14.61	5.60	9.69	49.08	50.20	38.14	43.01	9.18	29.90	21.36	22.05	25.76	3.96
Mussa angulosa (MUAN)	0.49	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.07	0.04
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	4.44	4.12	2.46	11.98	4.19	6.30	2.40	0.00	4.09	5.47	9.53	13.10	4.47	5.50	1.82	5.77	5.35	0.88

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.06	0.06
Stephanocoenia intersepta (STIN)	0.25	0.00	0.22	0.24	0.47	0.00	1.87	0.47	0.00	0.00	0.00	0.00	0.94	2.87	2.05	0.26	0.60	0.22
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.25	0.00	0.45	0.98	0.47	0.76	0.27	1.89	0.20	0.00	0.89	0.87	0.24	0.48	0.91	1.05	0.61	0.12
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0.74	0.00	0.00	0.00	0.00	0.25	0.27	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.12	0.05
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.08	0.07
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.22	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.04	0.04
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.01	0.01
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.49	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.71	0.00	0.00	0.26	0.13	0.06
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.09	0.09
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.01	0.01
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	44.20	8.51	12.72	38.39	38.14	21.41	28.80	43.97	19.02	22.06	15.74	10.04	20.24	8.37	15.45	26.77	23.36	3.05
Dictyota sp. (DICT)	5.68	6.70	7.81	7.58	14.65	5.79	17.87	17.73	9.61	2.83	17.74	5.46	12.24	5.02	5.91	11.02	9.60	1.26
Filamentous Algae (F ALG)	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.26	0.08	0.05
Lobophora variegata (LOVA)	1.98	0.77	2.90	0.00	1.63	2.27	1.33	2.36	0.61	0.40	0.44	0.44	0.71	0.72	0.45	2.62	1.23	0.23
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	2.96	3.35	1.34	1.47	3.95	2.02	2.67	3.31	0.00	0.20	0.00	0.22	9.65	9.81	6.14	5.51	3.29	0.78
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.03	0.03

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.03	0.02
Invertebrate (INVERT)	0.25	0.26	0.22	0.00	0.00	0.00	0.00	0.24	0.41	0.40	0.44	0.87	0.47	0.24	0.00	0.00	0.24	0.06
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	2.22	0.77	0.89	1.71	3.49	3.53	8.00	6.62	2.25	2.43	3.33	3.71	2.12	0.48	2.95	1.31	2.86	0.51
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00	0.00	0.00	3.86	0.00	0.37	0.27
Crustose Coralline Algae (CCA)	0.25	0.52	0.89	1.96	2.56	0.76	1.60	1.65	3.89	3.04	0.00	0.22	0.24	0.48	0.68	1.31	1.25	0.28
Fine Turf (FINE)	5.19	6.19	0.67	6.11	3.72	2.27	6.67	5.20	1.43	3.04	0.89	0.87	7.53	4.07	4.55	7.35	4.11	0.59
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.03	0.02
SAND (SAND)																		
Sand (SAND)	0.25	0.00	0.89	0.24	0.47	0.25	0.00	0.24	0.00	0.00	0.00	0.00	0.00	1.44	2.50	0.26	0.41	0.17
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.02	0.02
Monofilament (MONO)	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
No Data (N/D)	0.78	0.20	0.78	1.17	1.37	4.10	1.95	0.78	0.00	0.00	1.95	0.20	0.20	0.98	0.00	0.20	0.92	0.27
Shadow (SHADOW)	16.80	20.31	8.40	14.26	13.09	15.43	21.29	12.70	0.59	1.37	7.62	7.42	13.28	13.87	11.52	22.07	12.50	1.58
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.98	1.95	1.37	1.95	0.00	0.98	1.37	1.37	0.78	0.78	0.59	1.17	0.98	0.98	0.78	1.17	1.07	0.12
Wand (WAND)	2.15	1.76	1.76	2.54	1.56	1.95	2.15	2.54	3.13	1.37	1.76	1.76	2.54	2.54	1.56	2.15	2.08	0.12

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STDER
NOTES (% of transect)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.01	0.01
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.94	0.00	0.00	0.00	0.09	0.06
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.02	0.02
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	2.16	0.00	0.00	0.00	0.18	0.14
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																		
CORAL (C)	145	281	318	173	133	244	116	70	305	323	276	357	185	287	248	164	226.56	21.54
SPONGE (SP)	5	0	3	0	1	1	8	0	2	0	0	1	11	0	3	2	2.31	0.80
ENCRUSTING SPONGE (SPE)	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0.25	0.11
MACROALGAE (M)	222	76	111	194	251	125	190	285	143	126	153	74	185	102	123	176	158.50	15.13
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
OTHER (O)	1	1	1	1	0	0	0	1	2	2	2	4	2	2	0	0	1.19	0.28
SUBSTRATE (SUB)	31	29	11	40	43	26	61	66	37	42	19	22	42	21	54	38	36.38	3.82
SAND (SAND)	1	0	4	1	2	1	0	1	0	0	0	0	0	6	11	1	1.75	0.74
TAPE, WAND, SHADOW (TWS)	107	124	64	103	82	115	137	89	23	18	61	54	87	94	72	131	85.06	8.81
TOTAL TRANSECT POINTS	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
SUBCATEGORIES (occurring in transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	1	0	1	1	2	0	0	0	0	2	0	0	0	2	0	1	0.63	0.20
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	4	29	13	16	32	10	7	0	3	1	2	14	7	30	2	0	10.63	2.75
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	23	23	9	6	19	75	25	1	14	26	5	0	78	74	120	17	32.19	8.75
Unknown Coral I (C1)	1	1	4	0	0	1	0	5	0	0	1	0	1	0	1	1	1.00	0.37
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0.13	0.09
Unknown Coral I (C1)	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0.13	0.09
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	1	0	0	6	0	0	1	0	0	0	0	0	0	1	0	0	0.56	0.38
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0.13	0.13

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Unknown Coral I (C1)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.06	0.06
Millepora alcicornis (MIAL)	0	2	0	0	0	2	1	0	0	0	2	1	0	0	0	1	0.56	0.20
Montastraea annularis (MOAN)	0	0	3	0	0	1	0	3	0	0	0	0	0	0	2	0	0.56	0.27
Montastraea annularis species complex (MASC)	2	15	56	5	3	30	29	1	0	14	3	6	7	4	1	2	11.13	3.80
Montastraea cavernosa (MOCA)	3	16	37	7	15	28	8	5	0	1	31	40	22	0	7	2	13.88	3.42
Montastraea faveolata (MOFA)	0	19	0	16	19	10	7	2	27	0	13	35	2	13	0	28	11.94	2.84
Montastraea franksi (MOFR)	76	160	179	61	19	58	21	41	240	248	172	197	39	125	94	84	113.38	19.13
Mussa angulosa (MUAN)	2	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0.31	0.18
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	18	16	11	49	18	25	9	0	20	27	43	60	19	23	8	22	23.00	3.92
Porites furcata (POFU)	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0.13	0.09
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.75	0.75
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0.25	0.25
Stephanocoenia intersepta (STIN)	1	0	1	1	2	0	7	2	0	0	0	0	4	12	9	1	2.50	0.92
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	1	0	2	4	2	3	1	8	1	0	4	4	1	2	4	4	2.56	0.52
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
SPONGE (SP)																		
Agelas clathrodes (AGCL)	3	0	0	0	0	1	1	0	2	0	0	0	0	0	0	1	0.50	0.22
Aplysina species I (AP1)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0.31	0.25
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.06	0.06
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.13	0.09
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0.19	0.19
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0.06	0.06
Unknown Sponge I (SP1)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.06	0.06
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	2	0	2	0	0	0	0	0	0	0	0	1	3	0	0	1	0.56	0.24
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0.38	0.38
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.13	0.09
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.06	0.06
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	179	33	57	157	164	85	108	186	93	109	71	46	86	35	68	102	98.69	12.40
Dictyota sp. (DICT)	23	26	35	31	63	23	67	75	47	14	80	25	52	21	26	42	40.63	5.25
Filamentous Algae (F ALG)	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0.31	0.20
Lobophora variegata (LOVA)	8	3	13	0	7	9	5	10	3	2	2	2	3	3	2	10	5.13	0.96
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Turf Algae Matrix (TURF)	12	13	6	6	17	8	10	14	0	1	0	1	41	41	27	21	13.63	3.29
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0.13	0.13
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0.13	0.09
Invertebrate (INVERT)	1	1	1	0	0	0	0	1	2	2	2	4	2	1	0	0	1.06	0.28
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)																		

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Bare Substrate (BARE)	9	3	4	7	15	14	30	28	11	12	15	17	9	2	13	5	12.13	2.01
Coral Rubble (CRUB)	0	0	0	0	0	0	0	9	0	0	0	0	0	0	17	0	1.63	1.17
Crustose Coralline Algae (CCA)	1	2	4	8	11	3	6	7	19	15	0	1	1	2	3	5	5.50	1.36
Fine Turf (FINE)	21	24	3	25	16	9	25	22	7	15	4	4	32	17	20	28	17.00	2.31
Substrate Rubble (RUB)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0.13	0.09
SAND (SAND)																		
Sand (SAND)	1	0	4	1	2	1	0	1	0	0	0	0	0	6	11	1	1.75	0.74
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0.13	0.09
Monofilament (MONO)	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.09
No Data (N/D)	4	1	4	6	7	21	10	4	0	0	10	1	1	5	0	1	4.69	1.37
Shadow (SHADOW)	86	104	43	73	67	79	109	65	3	7	39	38	68	71	59	113	64.00	8.07
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tape (TAPE)	5	10	7	10	0	5	7	7	4	4	3	6	5	5	4	6	5.50	0.62
Wand (WAND)	11	9	9	13	8	10	11	13	16	7	9	9	13	13	8	11	10.63	0.61
NOTES (occurring in transect)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.06	0.06
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0.38	0.27
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.06	0.06
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0.38	0.27
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

4.4. RANDOM TRANSECT DIVERSITY MEASURES FROM 2012 AT EFGB

TRANSECT NAME	NE 1	NE 3	NE 4	NE 2	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4
Shannon-Weaver Index	**0.98**	**0.78**	**0.77**	**0.97**	**0.95**	**0.87**	**1.08**	**0.88**	**0.89**	**0.87**	**0.84**	**0.69**	**1.07**	**0.84**	**1.08**	**0.99**
CORAL (C)	0.37	0.23	0.24	0.36	0.36	0.30	0.36	0.30	0.29	0.28	0.30	0.19	0.36	0.26	0.32	0.36
SPONGE (SP)	0.05	0.00	0.03	0.00	0.01	0.02	0.08	0.00	0.02	0.00	0.00	0.01	0.09	0.00	0.03	0.03
ENCRUSTING SPONGE (SPE)	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00
MACROALGAE (M)	0.33	0.32	0.35	0.35	0.31	0.36	0.34	0.27	0.36	0.35	0.37	0.29	0.36	0.34	0.36	0.36
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.04	0.03	0.03	0.00	0.00
SUBSTRATE (SUB)	0.20	0.19	0.09	0.23	0.23	0.18	0.30	0.29	0.20	0.21	0.13	0.15	0.23	0.15	0.26	0.23
SAND (SAND)	0.01	0.00	0.04	0.01	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.02
Simpson Index of Diversity	**0.57**	**0.43**	**0.43**	**0.59**	**0.55**	**0.52**	**0.62**	**0.49**	**0.52**	**0.50**	**0.51**	**0.36**	**0.61**	**0.47**	**0.59**	**0.59**
CORAL (C)	0.13	0.52	0.50	0.18	0.10	0.38	0.10	0.03	0.39	0.43	0.37	0.61	0.19	0.47	0.32	0.19
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.30	0.04	0.06	0.22	0.34	0.10	0.26	0.45	0.09	0.07	0.12	0.03	0.19	0.06	0.08	0.21
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.01	0.00	0.01	0.01	0.00	0.03	0.02	0.01	0.01	0.00	0.00	0.01	0.00	0.02	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.5. Random Transect Percent Cover Data from 2011 at WFGB

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Number of frames	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**		
Total points	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
Total points (minus tape+ wand+ shadow)	**480**	**442**	**493**	**498**	**448**	**443**	**434**	**460**	**385**	**408**	**493**	**439**	**452**	**468**	**498**	**490**		
MAJOR CATEGORY (% of transect)																		
CORAL	53.13	57.47	74.24	59.44	50.45	61.17	68.20	49.13	63.38	56.86	51.72	62.19	61.28	44.66	71.49	67.35	59.51	2.09
SPONGE	0.00	0.68	0.00	0.20	0.22	0.00	0.00	0.22	0.26	0.74	0.00	0.00	0.22	0.21	0.20	0.00	0.18	0.06
ENCRUSTING SPONGE	0.00	0.00	0.00	0.00	0.45	0.23	0.69	0.22	0.00	0.25	0.20	0.00	0.00	0.00	0.00	0.00	0.13	0.05
MACROALGAE	37.08	33.94	18.26	30.72	35.27	23.70	18.43	38.04	27.01	30.39	40.16	26.20	25.66	39.32	19.48	22.04	29.11	1.90
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.23	0.00	0.60	0.00	0.45	0.00	0.43	0.00	0.25	0.00	0.68	0.00	0.43	0.60	0.00	0.23	0.07
SUBSTRATE	9.79	7.24	6.29	9.04	13.62	14.45	12.67	11.96	8.05	11.52	7.91	10.71	12.83	11.54	8.23	10.61	10.40	0.61
SAND	0.00	0.45	1.22	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.23	0.00	3.85	0.00	0.00	0.44	0.25
TAPE, WAND, SHADOW	6.25	13.67	3.71	2.73	12.50	13.48	15.23	10.16	24.80	20.31	3.71	14.26	11.72	8.59	2.73	4.30	10.51	1.63
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUB CATEGORIES (% of transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.68	0.00	0.00	0.45	0.00	0.00	0.65	0.00	1.23	0.41	0.46	0.00	0.21	0.00	0.00	0.25	0.09
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Unknown Coral I (C1)	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.01	0.01
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Colpophyllia natans (CONA)	0.00	0.23	0.81	2.41	0.89	0.00	3.00	1.30	0.26	0.25	0.41	0.00	2.43	0.00	0.00	0.00	0.75	0.25
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	2.29	4.75	30.43	9.04	7.14	0.90	0.69	3.91	31.43	21.57	5.48	20.50	25.00	12.61	16.27	5.71	12.36	2.62
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.03	0.02
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.20	0.00	0.03	0.02
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.22	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.20	0.05	0.02
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Millepora alcicornis (MIAL)	0.00	1.81	0.00	0.00	0.22	0.00	0.00	0.00	1.04	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.13
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.78	0.00	0.00	0.00	0.00	0.00	5.02	0.00	0.39	0.31
Montastraea annularis species complex (MASC)	0.42	3.17	2.43	0.60	2.23	20.09	48.39	6.09	0.78	3.68	0.41	0.00	1.55	5.34	1.20	2.24	6.16	3.06
Montastraea cavernosa (MOCA)	0.00	0.45	0.61	6.63	2.46	0.00	0.00	2.39	3.12	0.00	0.20	5.92	7.74	5.13	10.24	1.84	2.92	0.81
Montastraea faveolata (MOFA)	0.00	9.28	1.22	0.40	0.00	0.00	0.23	0.00	0.00	14.95	20.69	0.00	10.18	7.26	14.26	5.71	5.26	1.69
Montastraea franksi (MOFR)	15.42	31.00	35.29	38.76	18.53	38.15	10.37	28.91	14.81	8.33	18.26	23.23	12.39	9.19	23.29	50.41	23.52	3.11
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03
Porites astereoides (POAS)	4.38	2.04	3.25	1.41	10.04	1.13	3.00	3.48	8.31	5.15	4.06	3.64	1.99	3.85	1.00	0.82	3.60	0.64
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	29.58	0.90	0.00	0.00	2.46	0.00	0.00	0.00	0.00	0.00	0.00	7.97	0.00	0.00	0.00	0.00	2.56	1.87
Siderastrea sp (SISP)	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Stephanocoenia intersepta (STIN)	0.83	1.36	0.20	0.00	4.24	0.00	0.00	0.65	0.52	0.49	1.62	0.00	0.00	0.85	0.00	0.20	0.69	0.27

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.90	0.00	0.00	0.89	0.68	1.84	0.87	2.08	0.74	0.00	0.00	0.00	0.21	0.00	0.00	0.51	0.17
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.22	0.00	0.20	0.00	0.07	0.04
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.01	0.01
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.45	0.23	0.69	0.22	0.00	0.25	0.20	0.00	0.00	0.00	0.00	0.00	0.13	0.05
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																		

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Algae (ALGAE)	21.46	19.23	13.59	15.26	13.17	10.61	6.45	17.39	6.49	7.60	26.37	4.78	10.62	17.52	12.85	11.84	13.45	1.48
Dictyota sp. (DICT)	1.04	0.68	0.20	1.20	4.02	0.23	1.15	2.39	3.38	2.94	0.41	1.59	0.22	2.14	0.80	0.61	1.44	0.30
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.43	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.08	0.05
Lobophora variegata (LOVA)	14.38	13.35	3.04	10.04	15.18	8.80	8.53	15.65	12.73	16.18	12.58	10.02	12.39	13.89	4.02	7.96	11.17	0.98
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	0.21	0.68	1.42	4.22	2.90	3.39	2.30	2.17	4.42	3.43	0.81	9.57	2.43	5.77	1.81	1.63	2.95	0.58
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.04	0.03
Invertebrate (INVERT)	0.00	0.23	0.00	0.20	0.00	0.45	0.00	0.43	0.00	0.25	0.00	0.68	0.00	0.21	0.60	0.00	0.19	0.06
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	2.92	6.79	2.84	3.01	7.59	3.84	6.91	4.78	1.56	2.70	2.23	1.82	8.19	6.20	3.41	4.49	4.33	0.54
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.22	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02
Crustose Coralline Algae (CCA)	2.71	0.00	1.01	1.20	0.45	0.68	0.00	0.22	1.56	2.70	1.22	1.82	1.99	2.56	1.00	1.63	1.30	0.23
Fine Turf (FINE)	4.17	0.23	2.43	4.82	5.36	9.93	5.76	6.52	4.42	6.13	4.46	6.83	2.43	2.78	3.82	4.49	4.66	0.56

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Substrate Rubble (RUB)	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.22	0.26	0.00	0.00	0.23	0.22	0.00	0.00	0.00	0.07	0.03
SAND (SAND)																		
Sand (SAND)	0.00	0.45	1.22	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.23	0.00	3.85	0.00	0.00	0.44	0.25
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	3.91	12.30	0.20	0.39	10.74	11.33	11.13	7.03	21.48	16.99	1.17	11.72	7.62	4.69	0.78	1.37	7.68	1.60
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	1.17	0.59	0.98	0.39	0.78	0.78	0.78	1.56	0.59	1.56	0.98	0.98	0.98	0.98	0.98	0.59	0.92	0.08
Wand (WAND)	1.17	0.78	2.54	1.95	0.98	1.37	3.32	1.56	2.73	1.17	1.56	1.56	3.13	2.93	0.98	2.34	1.88	0.21
NOTES (% of transect)																		
Bleached Coral (BL)	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.04	0.03
Concentrated Fish Biting (CONCFB)	0.00	0.23	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.21	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.23	0.61	0.60	0.00	0.90	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.20	0.07
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																		
Bleached Coral (BL)	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.07	0.05

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Concentrated Fish Biting (CONCFB)	0.00	0.39	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.03
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.39	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.39	0.82	1.01	0.00	1.48	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.31	0.12
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																		
CORAL (C)	255	254	366	296	226	271	296	226	244	232	255	273	277	209	356	330	272.88	11.53
SPONGE (SP)	0	3	0	1	1	0	0	1	1	3	0	0	1	1	1	0	0.81	0.25
ENCRUSTING SPONGE (SPE)	0	0	0	0	2	1	3	1	0	1	1	0	0	0	0	0	0.56	0.22
MACROALGAE (M)	178	150	90	153	158	105	80	175	104	124	198	115	116	184	97	108	133.44	9.31
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	0	1	0	3	0	2	0	2	0	1	0	3	0	2	3	0	1.06	0.31
SUBSTRATE (SUB)	47	32	31	45	61	64	55	55	31	47	39	47	58	54	41	52	47.44	2.62
SAND (SAND)	0	2	6	0	0	0	0	0	5	0	0	1	0	18	0	0	2.00	1.17
TAPE, WAND, SHADOW (TWS)	32	70	19	14	64	69	78	52	127	104	19	73	60	44	14	22	53.81	8.33
TOTAL TRANSECT POINTS	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
SUB CATEGORIES (occurring in transect)																		

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
CORAL (C)																		
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	3	0	0	2	0	0	3	0	5	2	2	0	1	0	0	1.13	0.39
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.06	0.06
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.06	0.06
Colpophyllia natans (CONA)	0	1	4	12	4	0	13	6	1	1	2	0	11	0	0	0	3.44	1.15
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.06	0.06
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	11	21	150	45	32	4	3	18	121	88	27	90	113	59	81	28	55.69	11.48
Unknown Coral I (C1)	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0.13	0.09
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.06	0.06
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0.19	0.19
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0.13	0.09
Madracis mirabilis (MAMI)	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0.25	0.11
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
Millepora alcicornis (MIAL)	0	8	0	0	1	0	0	0	4	1	0	0	0	0	0	0	0.88	0.54
Montastraea annularis (MOAN)	0	0	0	0	0	0	2	0	3	0	0	0	0	0	25	0	1.88	1.56
Montastraea annularis species complex (MASC)	2	14	12	3	10	89	210	28	3	15	2	0	7	25	6	11	27.31	13.29
Montastraea cavernosa (MOCA)	0	2	3	33	11	0	0	11	12	0	1	26	35	24	51	9	13.63	3.91
Montastraea faveolata (MOFA)	0	41	6	2	0	0	1	0	0	61	102	0	46	34	71	28	24.50	7.99
Montastraea franksi (MOFR)	74	137	174	193	83	169	45	133	57	34	90	102	56	43	116	247	109.56	15.44
Mussa angulosa (MUAN)	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0.13	0.09
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.19	0.14
Porites astereoides (POAS)	21	9	16	7	45	5	13	16	32	21	20	16	9	18	5	4	16.06	2.69
Porites furcata (POFU)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.06	0.06
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	142	4	0	0	11	0	0	0	0	0	0	35	0	0	0	0	12.00	8.95
Siderastrea sp (SISP)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
Stephanocoenia intersepta (STIN)	4	6	1	0	19	0	0	3	2	2	8	0	0	4	0	1	3.13	1.22
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	4	0	0	4	3	8	4	8	3	0	0	0	1	0	0	2.19	0.70
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0	0	0	0	1	0	0	0	0	2	0	0	1	0	1	0	0.31	0.15
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.06	0.06
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0.13	0.09
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.06	0.06
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0.19
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.06
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0	0	0	0	2	1	3	1	0	1	1	0	0	0	0	0	0.56	0.22

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	103	85	67	76	59	47	28	80	25	31	130	21	48	82	64	58	62.75	7.47
Dictyota sp. (DICT)	5	3	1	6	18	1	5	11	13	12	2	7	1	10	4	3	6.38	1.26
Filamentous Algae (F ALG)	0	0	0	0	0	3	0	2	0	0	0	1	0	0	0	0	0.38	0.22
Lobophora variegata (LOVA)	69	59	15	50	68	39	37	72	49	66	62	44	56	65	20	39	50.63	4.32
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Turf Algae Matrix (TURF)	1	3	7	21	13	15	10	10	17	14	4	42	11	27	9	8	13.25	2.54
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0.19	0.14

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Invertebrate (INVERT)	0	1	0	1	0	2	0	2	0	1	0	3	0	1	3	0	0.88	0.27
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	14	30	14	15	34	17	30	22	6	11	11	8	37	29	17	22	19.81	2.41
Coral Rubble (CRUB)	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0.19	0.10
Crustose Coralline Algae (CCA)	13	0	5	6	2	3	0	1	6	11	6	8	9	12	5	8	5.94	1.02
Fine Turf (FINE)	20	1	12	24	24	44	25	30	17	25	22	30	11	13	19	22	21.19	2.42
Substrate Rubble (RUB)	0	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0.31	0.12
SAND (SAND)																		
Sand (SAND)	0	2	6	0	0	0	0	0	5	0	0	1	0	18	0	0	2.00	1.17
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0.13	0.13
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Shadow (SHADOW)	20	63	1	2	55	58	57	36	110	87	6	60	39	24	4	7	39.31	8.18
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tape (TAPE)	6	3	5	2	4	4	4	8	3	8	5	5	5	5	5	3	4.69	0.42
Wand (WAND)	6	4	13	10	5	7	17	8	14	6	8	8	16	15	5	12	9.63	1.07
NOTES (occurring in transect)																		
Bleached Coral (BL)	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0.19	0.14
Concentrated Fish Biting (CONCFB)	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.13	0.09
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4	MEAN	STD ER
Isolated Fish Biting (ISOFB)	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0.19	0.14
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	1	3	3	0	4	2	0	0	0	0	0	0	0	2	0	0.94	0.35
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)																		
Bleached Coral (BL)	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0.19	0.14
Concentrated Fish Biting (CONCFB)	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.13	0.09
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0.19	0.14
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	1	3	3	0	4	2	0	0	0	0	0	0	0	2	0	0.94	0.35
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

4.6. RANDOM TRANSECT DIVERSITY MEASURES FROM 2011 AT WFGB

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 3	SW 4
Shannon-Weaver Index	**0.93**	**0.95**	**0.76**	**0.93**	**1.02**	**0.96**	**0.87**	**1.02**	**0.92**	**1.00**	**0.92**	**0.93**	**0.93**	**1.14**	**0.81**	**0.84**
CORAL (C)	0.34	0.32	0.22	0.31	0.35	0.30	0.26	0.35	0.29	0.32	0.34	0.30	0.30	0.36	0.24	0.27
SPONGE (SP)	0.00	0.03	0.00	0.01	0.01	0.00	0.00	0.01	0.02	0.04	0.00	0.00	0.01	0.01	0.01	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.02	0.01	0.03	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.37	0.37	0.31	0.36	0.37	0.34	0.31	0.37	0.35	0.36	0.37	0.35	0.35	0.37	0.32	0.33
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.01	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.03	0.00	0.02	0.03	0.00
SUBSTRATE (SUB)	0.23	0.19	0.17	0.22	0.27	0.28	0.26	0.25	0.20	0.25	0.20	0.24	0.26	0.25	0.21	0.24
SAND (SAND)	0.00	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.13	0.00	0.00
Simpson Index of Diversity (1-D)	**0.57**	**0.55**	**0.41**	**0.54**	**0.60**	**0.55**	**0.48**	**0.60**	**0.52**	**0.57**	**0.56**	**0.53**	**0.54**	**0.63**	**0.44**	**0.49**
CORAL (C)	0.28	0.33	0.55	0.35	0.25	0.37	0.47	0.24	0.40	0.32	0.27	0.39	0.38	0.20	0.51	0.45
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.14	0.12	0.03	0.09	0.12	0.06	0.03	0.14	0.07	0.09	0.16	0.07	0.07	0.15	0.04	0.05
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.01	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.7. Random Transect Percent Cover Data from 2012 at WFGB

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Number of frames	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**		
Total points	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
Total points (minus tape+wand+shadow)	**474**	**474**	**476**	**492**	**468**	**471**	**473**	**480**	**468**	**462**	**413**	**463**	**454**	**451**	**483**	**462**		
MAJOR CATEGORY (% of transect)																		
CORAL	44.09	52.32	51.47	64.63	57.69	73.04	39.96	46.04	67.74	62.55	26.88	52.70	77.31	68.07	39.96	51.95	54.78	3.41
SPONGE	0.63	0.00	0.21	0.81	0.43	0.00	0.00	0.21	0.00	0.43	2.42	0.43	0.00	2.00	0.00	1.52	0.57	0.19
ENCRUSTING SPONGE	0.00	0.00	0.00	0.00	0.00	0.64	0.42	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.22	0.11	0.05
MACROALGAE	42.41	34.18	32.98	25.20	32.26	15.50	38.90	36.04	26.28	21.65	48.91	36.72	16.52	17.74	37.47	40.04	31.43	2.48
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.42	0.42	0.21	0.41	0.21	0.21	0.42	0.00	0.21	0.65	0.24	0.43	0.44	0.44	0.21	0.22	0.32	0.04
SUBSTRATE	12.45	13.08	15.13	8.94	9.40	10.62	20.30	15.63	5.34	14.07	21.07	8.64	5.73	7.98	21.95	6.06	12.27	1.36
SAND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.43	0.65	0.00	1.08	0.00	3.77	0.41	0.00	0.53	0.26
TAPE, WAND, SHADOW	7.42	7.42	7.03	3.91	8.59	8.01	7.62	6.25	8.59	9.77	19.34	9.57	11.33	11.91	5.66	9.77	8.89	0.86
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUB CATEGORIES (% of transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.43	0.73	0.43	0.00	0.00	0.21	0.22	0.14	0.05
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	0.00	1.05	0.21	0.00	0.21	0.00	2.75	0.00	1.71	3.25	0.00	0.00	0.44	2.44	0.21	0.00	0.77	0.28
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	4.64	7.17	3.36	8.54	4.49	3.82	2.75	10.00	18.59	24.46	0.48	22.46	19.60	7.54	10.14	1.08	9.32	1.94
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.22	0.67	0.00	0.00	0.07	0.04
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.22	0.00	0.00	0.00	0.03	0.02
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.21	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.09
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.22	0.00	0.00	0.00	0.00	0.04	0.03
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.42	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.08	0.05
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.21	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.24	0.22	0.00	0.22	0.00	0.00	0.15	0.06
Montastraea annularis (MOAN)	0.00	3.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Montastraea annularis species complex (MASC)	0.21	2.95	1.05	1.02	5.77	0.85	0.21	0.42	4.49	3.03	0.73	3.46	2.42	1.33	1.04	3.46	2.03	0.42
Montastraea cavernosa (MOCA)	4.85	0.00	0.00	1.42	0.21	0.42	0.00	2.50	0.43	16.23	0.00	0.00	1.10	0.00	2.69	0.43	1.89	1.01
Montastraea faveolata (MOFA)	8.86	0.00	2.52	1.63	4.70	23.99	0.21	7.71	0.00	0.00	9.69	0.00	1.76	5.32	8.49	42.42	7.33	2.80
Montastraea franksi (MOFR)	19.41	35.02	37.61	48.17	31.62	40.76	25.58	18.75	39.32	6.71	5.08	8.21	46.26	39.91	12.63	1.95	26.06	3.94
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	4.64	1.90	2.10	2.24	3.85	2.97	5.92	3.54	1.71	5.19	7.75	8.42	3.96	7.76	3.52	2.38	4.24	0.55
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.20	5.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.37
Siderastrea siderea (SISI)	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.40	0.00	0.00	0.00	0.00	0.60	0.41
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	0.84	0.21	0.00	0.41	0.43	0.21	0.63	2.71	0.64	1.08	1.94	2.81	0.00	2.00	0.21	0.00	0.88	0.24
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.21	1.02	0.21	0.00	0.00	0.21	0.85	0.65	0.00	0.86	1.32	0.89	0.21	0.00	0.40	0.11

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0.21	0.00	0.00	0.81	0.21	0.00	0.00	0.21	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.10	0.05
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.05	0.04
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.01	0.01
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.08	0.08
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Unknown Sponge I (SP1)	0.42	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.03
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	0.00	0.00	0.00	0.00	1.52	0.25	0.17
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.03	0.02
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.64	0.21	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.08	0.05
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	30.59	19.20	22.27	13.21	16.45	12.53	25.79	25.21	10.68	9.52	17.19	10.58	5.51	6.43	31.68	21.00	17.37	2.05
Dictyota sp. (DICT)	2.32	1.05	0.21	2.03	0.21	0.00	0.00	1.46	4.91	2.81	3.15	9.50	0.88	1.55	0.21	1.08	1.96	0.61
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.01	0.01

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Lobophora variegata (LOVA)	5.70	8.86	8.61	2.24	14.32	1.91	11.84	6.25	7.91	4.55	26.88	14.90	9.69	6.65	4.76	17.32	9.52	1.60
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	3.80	5.06	1.89	5.69	1.28	1.06	1.27	3.13	2.78	4.76	1.69	1.73	0.44	3.10	0.83	0.43	2.43	0.42
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.03	0.02
Invertebrate (INVERT)	0.21	0.42	0.21	0.41	0.21	0.21	0.42	0.00	0.21	0.65	0.24	0.43	0.44	0.44	0.21	0.00	0.30	0.04
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	3.38	3.80	3.78	2.44	4.06	2.34	2.11	6.67	2.35	4.33	5.57	2.16	3.52	3.99	5.38	2.16	3.63	0.34
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.43	0.00	0.00	0.00	0.00	0.07	0.05
Crustose Coralline Algae (CCA)	4.22	5.06	4.41	2.64	4.70	4.67	6.77	6.46	0.21	0.00	0.00	0.00	0.22	0.89	2.28	0.87	2.71	0.61
Fine Turf (FINE)	4.85	4.22	6.93	3.86	0.64	3.61	11.42	2.50	2.78	8.44	15.50	5.83	1.98	3.10	14.29	3.03	5.81	1.11
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.22	0.00	0.00	0.00	0.00	0.05	0.04
SAND (SAND)																		
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.43	0.65	0.00	1.08	0.00	3.77	0.41	0.00	0.53	0.26

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	1.56	0.98	0.78	0.20	0.39	0.00	0.20	0.27	0.11
Shadow (SHADOW)	5.08	3.13	3.91	0.78	4.88	4.30	3.91	3.13	6.05	6.64	14.84	5.86	7.81	9.57	2.73	6.45	5.57	0.82
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.78	1.17	0.98	0.59	0.98	1.37	1.76	1.17	0.59	0.39	0.78	1.37	0.78	0.98	0.39	1.17	0.95	0.09
Wand (WAND)	1.56	3.13	2.15	2.54	2.73	2.34	1.95	1.95	1.76	1.17	2.73	1.56	2.54	0.98	2.54	1.95	2.10	0.15
NOTES (% of transect)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.07	0.04
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.11	0.06
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																		
CORAL (C)	209	248	245	318	270	344	189	221	317	289	111	244	351	307	193	240	256.00	16.04
SPONGE (SP)	3	0	1	4	2	0	0	1	0	2	10	2	0	9	0	7	2.56	0.83
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	3	2	0	0	0	2	0	0	0	0	1	0.50	0.24
MACROALGAE (M)	201	162	157	124	151	73	184	173	123	100	202	170	75	80	181	185	146.31	11.16
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	2	2	1	2	1	1	2	0	1	3	1	2	2	2	1	1	1.50	0.18
SUBSTRATE (SUB)	59	62	72	44	44	50	96	75	25	65	87	40	26	36	106	28	57.19	6.26
SAND (SAND)	0	0	0	0	0	0	0	10	2	3	0	5	0	17	2	0	2.44	1.18
TAPE, WAND, SHADOW (TWS)	38	38	36	20	44	41	39	32	44	50	99	49	58	61	29	50	45.50	4.42
TOTAL TRANSECT POINTS	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**	**512**		
SUB CATEGORIES (occurring in transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	1	0	2	3	2	0	0	1	1	0.63	0.24
Agaricia fragilis (AGFR)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.06	0.06

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	0	5	1	0	1	0	13	0	8	15	0	0	2	11	1	0	3.56	1.30
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	22	34	16	42	21	18	13	48	87	113	2	104	89	34	49	5	43.56	8.94
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	1	0	0	1	3	0	0	0.31	0.20
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0.13	0.09
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	0	1	0	7	0	0	0	0	0	0	0	0	0	0.50	0.44
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0.19	0.14
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	2	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0.38	0.22
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	1	4	1	0	0	0	0	0	0	2	1	1	0	1	0	0	0.69	0.27

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Montastraea annularis (MOAN)	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.94	0.94
Montastraea annularis species complex (MASC)	1	14	5	5	27	4	1	2	21	14	3	16	11	6	5	16	9.44	1.95
Montastraea cavernosa (MOCA)	23	0	0	7	1	2	0	12	2	75	0	0	5	0	13	2	8.88	4.70
Montastraea faveolata (MOFA)	42	0	12	8	22	113	1	37	0	0	40	0	8	24	41	196	34.00	12.98
Montastraea franksi (MOFR)	92	166	179	237	148	192	121	90	184	31	21	38	210	180	61	9	122.44	18.58
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.06	0.06
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	22	9	10	11	18	14	28	17	8	24	32	39	18	35	17	11	19.56	2.42
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	1	28	0	0	0	0	0	0	0	0	0	0	0	1.81	1.75
Siderastrea siderea (SISI)	0	0	20	0	0	0	0	0	0	0	0	25	0	0	0	0	2.81	1.93
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Stephanocoenia intersepta (STIN)	4	1	0	2	2	1	3	13	3	5	8	13	0	9	1	0	4.06	1.10
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Unknown Coral I (C1)	0	0	1	5	1	0	0	1	4	3	0	4	6	4	1	0	1.88	0.52
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	1	0	0	4	1	0	0	1	0	0	0	1	0	0	0	0	0.50	0.26
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0.25	0.19
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.06	0.06
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0.38	0.38
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Unknown Sponge I (SP1)	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0.25	0.14
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	7	1.06	0.74
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.13	0.09
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	3	1	0	0	0	2	0	0	0	0	0	0.38	0.22
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	145	91	106	65	77	59	122	121	50	44	71	49	25	29	153	97	81.50	9.91
Dictyota sp. (DICT)	11	5	1	10	1	0	0	7	23	13	13	44	4	7	1	5	9.06	2.80
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.06	0.06

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Lobophora variegata (LOVA)	27	42	41	11	67	9	56	30	37	21	111	69	44	30	23	80	43.63	6.80
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Turf Algae Matrix (TURF)	18	24	9	28	6	5	6	15	13	22	7	8	2	14	4	2	11.44	2.02
Unknown MacroAlgae I (MA1)	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0.63	0.63
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.13	0.09
Invertebrate (INVERT)	1	2	1	2	1	1	2	0	1	3	1	2	2	2	1	0	1.38	0.20
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	16	18	18	12	19	11	10	32	11	20	23	10	16	18	26	10	16.88	1.59
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0.31	0.22
Crustose Coralline Algae (CCA)	20	24	21	13	22	22	32	31	1	0	0	0	1	4	11	4	12.88	2.92
Fine Turf (FINE)	23	20	33	19	3	17	54	12	13	39	64	27	9	14	69	14	26.88	4.97
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0.25	0.19
SAND (SAND)																		
Sand (SAND)	0	0	0	0	0	0	0	10	2	3	0	5	0	17	2	0	2.44	1.18

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
No Data (N/D)	0	0	0	0	0	0	0	0	1	8	5	4	1	2	0	1	1.38	0.58
Shadow (SHADOW)	26	16	20	4	25	22	20	16	31	34	76	30	40	49	14	33	28.50	4.18
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tape (TAPE)	4	6	5	3	5	7	9	6	3	2	4	7	4	5	2	6	4.88	0.48
Wand (WAND)	8	16	11	13	14	12	10	10	9	6	14	8	13	5	13	10	10.75	0.77
NOTES (occurring in transect)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	2	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0.31	0.18
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.06	0.06
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3	MEAN	STD ER
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	2	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0.31	0.18
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

4.8. RANDOM TRANSECT DIVERSITY MEASURES FROM 2012 AT WFGB

TRANSECT NAME	NE 1	NE 2	NE 3	NE 4	NW 1	NW 2	NW 3	NW 4	SE 1	SE 2	SE 3	SE 4	SW 1	SW 2	SW 4	SW 3
Shannon-Weaver Index	**1.04**	**0.99**	**1.02**	**0.91**	**0.94**	**0.80**	**1.10**	**1.11**	**0.81**	**0.99**	**1.16**	**1.01**	**0.68**	**1.00**	**1.10**	**0.97**
CORAL (C)	0.36	0.34	0.34	0.28	0.32	0.23	0.37	0.36	0.26	0.29	0.35	0.34	0.20	0.26	0.37	0.34
SPONGE (SP)	0.03	0.00	0.01	0.04	0.02	0.00	0.00	0.01	0.00	0.02	0.09	0.02	0.00	0.08	0.00	0.06
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01
MACROALGAE (M)	0.36	0.37	0.37	0.35	0.36	0.29	0.37	0.37	0.35	0.33	0.35	0.37	0.30	0.31	0.37	0.37
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.00	0.01	0.03	0.01	0.02	0.02	0.02	0.01	0.01
SUBSTRATE (SUB)	0.26	0.27	0.29	0.22	0.22	0.24	0.32	0.29	0.16	0.28	0.33	0.21	0.16	0.20	0.33	0.17
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.02	0.03	0.00	0.05	0.00	0.12	0.02	0.00
Simpson Index of Diversity (1-D)	**0.61**	**0.59**	**0.60**	**0.51**	**0.55**	**0.43**	**0.65**	**0.63**	**0.47**	**0.54**	**0.64**	**0.58**	**0.37**	**0.50**	**0.65**	**0.57**
CORAL (C)	0.19	0.27	0.26	0.42	0.33	0.53	0.16	0.21	0.46	0.39	0.07	0.28	0.60	0.46	0.16	0.27
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.18	0.12	0.11	0.06	0.10	0.02	0.15	0.13	0.07	0.05	0.24	0.13	0.03	0.03	0.14	0.16
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.02	0.02	0.02	0.01	0.01	0.01	0.04	0.02	0.00	0.02	0.04	0.01	0.00	0.01	0.05	0.00
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX 5.0: SCHLEROCHRONOLOGY DATA FROM CORAL CORES, 2012

Orbicella faveolata Extension Rate (mm/yr)												
Year	***East Flower Garden Bank***					***West Flower Garden Bank***						
	NE	**SE**	**SW**	**Mean**	**STD ER**	**NE**	**NW**	**SW-A**	**SE-A**	**SE-B**	**Mean**	**STD ER**
2012 - 2011	–	–	–	**–**	**–**	–	–	–	–	–	**–**	**–**
2011 - 2010	4.6	4.9	6.3	**5.3**	**0.5**	6.5	3.3	5.7	8.0	8.4	**6.4**	**0.9**
2010 - 2009	7.6	5.4	6.8	**6.6**	**0.6**	5.7	3.9	6.3	9.5	9.0	**6.9**	**1.1**
2009-2008	6.8	5.2	7.1	**6.4**	**0.6**	5.6	4.6	6.1	9.6	10.0	**7.2**	**1.1**
2008 - 2007	5.1	5.9	7.4	**6.1**	**0.7**	6.0	3.5	6.5	7.5	10.3	**6.8**	**1.1**
2007 - 2006	6.4	6.2	6.4	**6.3**	**0.1**	6.1	3.7	4.0		8.3	**4.4**	**1.1**
2006 - 2005	8.6	5.7	6.9	**7.1**	**0.8**	6.9	5.0	5.1		10.0	**5.4**	**1.2**
2005 - 2004	9.6	5.8	6.8	**7.4**	**1.1**	6.0	4.0	6.0			**5.4**	**0.7**
2004 - 2003	7.4	6.5	6.9	**7.0**	**0.3**	6.5	4.1	6.1			**5.6**	**0.8**
2003 - 2002	7.5	5.6	7.2	**6.8**	**0.6**	7.6	4.4	6.2			**6.1**	**0.9**
2002 - 2001		5.6	6.8	**6.2**	**0.6**	7.7	4.2				**5.9**	**1.7**
2001 - 2000		5.4	7.0	**6.2**	**0.8**		5.9				**5.9**	
2000 - 1999			7.0	**7.0**			5.4				**5.4**	
1999 - 1998			6.2	**6.2**			4.2				**4.2**	
1998 - 1997			6.8	**6.8**			3.3				**3.3**	
1997 - 1996			6.2	**6.2**								
1996 - 1995			6.2	**6.2**								

APPENDIX 6.0: *PSUEDODIPLORIA STRIGOSA* LATERAL GROWTH COMPARABLE PHOTO MEASUREMENTS FROM 2010, 2011, AND 2012

6.1. *PSUEDODIPLORIA STRIGOSA* MARGINAL GROWTH MEASUREMENTS FROM 2010, 2011, AND 2012

Site	Percent Change from 2010 to 2011		
EFGB Station	**Growth**	**Retreat**	**Stable**
EFGB 12	100	0	0
EFGB 13	67.3	-8.9	23.8
EFGB 29	0	-100	0
EFGB 49	53.2	-25.6	21.2
WFGB Station	**Growth**	**Retreat**	**Stable**
WFGB 69	77.4	-22.6	0
WFGB 73	100	0	0
WFGB 99	45.1	-15.1	39.8
Site	**Percent Change from 2011 to 2012**		
EFGB Station	**Growth**	**Retreat**	**Stable**
EFGB 49	12.7	-87.3	0

6.2. *PSUEDODIPLORIA STRIGOSA* LATERAL GROWTH STATION COMPARISONS FROM 2009 TO 2012

EFGB			WFGB		
Station	**Year**	**Description**	**Station**	**Year**	**Description**
2	2009	no photo - station not found	61	2009	no photo - station not found
	2010	no photo - station not found		2010	comparable photo
	2011	no photo - station not found		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	comparable photo
5	2009	overgrown margin/overgrown bolts	62	2009	no photo - station not found
	2010	overgrown margin/overgrown bolts		2010	no photo - station not found
	2011	overgrown margin/overgrown bolts		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	missing bolts
6	2009	margin beyond photograph/orientation doesn't match	63	2009	no photo - station not found
	2010	orientation doesn't match/missing bolt		2010	no photo - station not found
	2011	oergrown margin/orientation doesn't match/missing bolt		2011	no photo - station not found
	2012	oergrown margin/orientation doesn't match/missing bolt		2012	missing bolts
7	2009	orientation doesn't match	64	2009	no photo - station not found
	2010	orientation doesn't match		2010	comparable photo
	2011	orientation doesn't match		2011	no photo - station not found
	2012	overgrown margin/overgrown with algae		2012	no photo - station not found
8	2009	no photo - station not found	65	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	overgrown margin/overgrown bolts
10	2009	comparable photo	67	2009	no photo - station not found
	2010	comparable photo		2010	no photo - station not found
	2011	overgrown margin		2011	no photo - station not found
	2012	overgrown margin		2012	overgrown margin/overgrown bolts
11	2009	no photo - station not found	68	2009	comparable photo
	2010	no photo - station not found		2010	comparable photo
	2011	overgrown margin		2011	no photo - station not found
	2012	no photo - station not found		2012	comparable photo
12	2009	comparable photo	69	2009	comparable photo
	2010	comparable photo		2010	comparable photo
	2011	comparable photo		2011	comparable photo
	2012	overgrown margin/overgrown bolts		2012	overgrown margin
13	2009	comparable photo	70	2009	no photo - station not found

EFGB			WFGB		
Station	**Year**	**Description**	**Station**	**Year**	**Description**
	2010	comparable photo		2010	comparable photo
	2011	comparable photo		2011	no photo - station not found
	2012	no photo - station not found		2012	comparable photo
15	2009	no photo - station not found	71	2009	no photo - station not found
	2010	overgrown with algae		2010	no photo - station not found
	2011	overgrown with algae		2011	missing bolts
	2012	overgrown with algae		2012	no photo - station not found
16	2009	orientation doesn't match	72	2009	no photo - station not found
	2010	overgrown with algae		2010	comparable photo
	2011	overgrown with algae		2011	no photo - station not found
	2012	overgrown with algae		2012	overgrown margin/overgrown bolts
19	2009	orientation doesn't match/missing bolts	73	2009	comparable photo
	2010	orientation doesn't match/missing bolts		2010	comparable photo
	2011	no photo - station not found		2011	comparable photo
	2012	orientation doesn't match/missing bolts		2012	orientation doesn't match
20	2009	no photo - station not found	74	2009	no photo - station not found
	2010	overgrown margin/overgrown bolts		2010	no photo - station not found
	2011	no photo - station not found		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	overgrown margin/overgrown bolts
21	2009	no photo - station not found	76	2009	no photo - station not found
	2010	overgrown margin		2010	no photo - station not found
	2011	overgrown margin/missing bolt		2011	no photo - station not found
	2012	orientation doesn't match/missing bolt		2012	overgrown margin/overgrown bolts
22	2009	no photo - station not found	77	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown margin/overgrown bolts
	2011	overgrown margin/overgrown bolts		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	no photo - station not found
23	2009	no photo - station not found	78	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown bolts
	2011	no photo - station not found		2011	no photo - station not found
	2012	overgrown with algae		2012	overgrown bolts
24	2009	no photo - station not found	80	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	no photo - station not found		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	overgrown margin/overgrown bolts
27	2009	overgrown margin	81	2009	no photo - station not found
	2010	overgrown margin		2010	no photo - station not found

EFGB			WFGB		
Station	**Year**	**Description**	**Station**	**Year**	**Description**
	2011	overgrown margin/missing bolt/orientation doesn't match		2011	no photo - station not found
	2012	no photo - station not found		2012	overgrown margin/overgrown bolts
29	2009	comparable photo	84	2009	no photo - station not found
	2010	comparable photo		2010	no photo - station not found
	2011	comparable photo		2011	no photo - station not found
	2012	orientation doesn't match/missing bolt/overgrown with algae		2012	missing bolt
33	2009	overgrown margin/overgrown bolts	85	2009	no photo - station not found
	2010	overgrown margin/overgrown bolts		2010	overgrown bolt
	2011	overgrown margin/overgrown bolts		2011	overgrown bolt/missing bolt
	2012	overgrown margin/overgrown bolts		2012	overgrown with algae
34	2009	comparable photo	87	2009	no photo - station not found
	2010	comparable photo		2010	overgrown margin/overgrown bolts
	2011	orientation doesn't match		2011	overgrown margin/overgrown bolts
	2012	orientation doesn't match		2012	overgrown margin/overgrown bolts
35	2009	overgrown margin/overgrown bolts	88	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	overgrown margin/overgrown bolts
	2012	no photo - station not found		2012	overgrown margin/overgrown bolts
38	2009	overgrown margin/missing bolt	91	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	overgrown margin/overgrown bolts
	2012	no photo - station not found		2012	overgrown margin/overgrown bolts
40	2009	no photo - station not found	92	2009	no photo - station not found
	2010	overgrown bolt		2010	comparable photo
	2011	overgrown bolt		2011	orientation doesn't match
	2012	no photo - station not found		2012	no photo - station not found
41	2009	no photo - station not found	93	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	overgrown with algae		2011	no photo - station not found
	2012	overgrown with algae		2012	overgrown margin/overgrown bolts
42	2009	no photo - station not found	94	2009	comparable photo
	2010	no photo - station not found		2010	comparable photo
	2011	overgrown bolts		2011	no photo - station not found
	2012	overgrown bolts		2012	overgrown bolt
43	2009	orientation doesn't match	95	2009	comparable photo
	2010	orientation doesn't match		2010	comparable photo
	2011	orientation doesn't match/overgrown bolts		2011	overgrown margin
	2012	orientation doesn't		2012	overgrown bolts

EFGB			WFGB		
Station	**Year**	**Description**	**Station**	**Year**	**Description**
		match/overgrown bolts			
44	2009	no photo - station not found	96	2009	no photo - station not found
	2010	orientation doesn't match/missing bolt		2010	overgrown bolts
	2011	orientation doesn't match/missing bolt		2011	no photo - station not found
	2012	no photo - station not found		2012	no photo - station not found
45	2009	orientation doesn't match	97	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	no photo - station not found		2011	overgrown margin/overgrown bolts
	2012	missing bolts		2012	overgrown margin/overgrown bolts
46	2009	orientation doesn't match	98	2009	no photo - station not found
	2010	orientation doesn't match		2010	overgrown margin/overgrown bolts
	2011	overgrown bolts		2011	overgrown margin/overgrown bolts
	2012	overgrown bolts		2012	overgrown margin/overgrown bolts
49	2009	comparable photo	99	2009	comparable photo
	2010	comparable photo		2010	comparable photo
	2011	comparable photo		2011	comparable photo
	2012	comparable photo		2012	orientation doesn't match/overgrown bolts
51	2009	no photo - station not found	100	2009	no photo - station not found
	2010	overgrown margin		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	no photo - station not found
	2012	no photo - station not found		2012	overgrown margin/overgrown bolts
52	2009	overgrown margin/overgrown bolts	101	2009	no photo - station not found
	2010	overgrown margin/overgrown bolts		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	overgrown margin/overgrown bolts
	2012	overgrown margin/overgrown bolts		2012	overgrown margin/overgrown bolts
53	2009	overgrown margin/overgrown bolts	102	2009	no photo - station not found
	2010	overgrown margin/overgrown bolts		2010	overgrown margin/overgrown bolts
	2011	overgrown margin/overgrown bolts		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	no photo - station not found
54	2009	orientation doesn't match	104	2009	no photo - station not found
	2010	orientation doesn't match		2010	overgrown margin/overgrown bolts
	2011	overgrown bolts		2011	no photo - station not found
	2012	no photo - station not found		2012	overgrown margin/overgrown bolts
55	2009	no photo - station not found	105	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	overgrown margin		2011	no photo - station not found
	2012	no photo - station not found		2012	overgrown margin/overgrown bolts
57	2009	no photo - station not found	106	2009	comparable photo

EFGB			WFGB		
Station	**Year**	**Description**	**Station**	**Year**	**Description**
	2010	overgrown with algae		2010	comparable photo
	2011	no photo - station not found		2011	no photo - station not found
	2012	no photo - station not found		2012	comparable photo
59	2009	overgrown margin	108	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	overgrown margin/overgrown bolts
	2012	overgrown margin		2012	overgrown margin/overgrown bolts
71	2009	no photo - station not found	110	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	overgrown with algae		2011	overgrown margin/overgrown bolts
	2012	overgrown with algae/missing bolt		2012	overgrown margin/overgrown bolts
74	2009	overgrown margin/overgrown bolt	111	2009	no photo - station not found
	2010	overgrown margin/overgrown bolt		2010	overgrown margin/overgrown bolts
	2011	no photo - station not found		2011	overgrown margin/overgrown bolts
	2012	no photo - station not found		2012	overgrown with algae
119	2009	no photo - station not found	112	2009	no photo - station not found
	2010	no photo - station not found		2010	overgrown margin/overgrown bolts
	2011	overgrown margin/overgrown bolts		2011	no photo - station not found
	2012	overgrown margin/overgrown bolts		2012	no photo - station not found
127	2009	no photo - station not found	113	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	missing bolts		2011	overgrown margin/overgrown bolts
	2012	no photo - station not found		2012	orientation doesn't match
166	2009	no photo - station not found	116	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	no photo - station not found		2011	no photo - station not found
	2012	overgrown margin/overgrown bolt		2012	overgrown margin/overgrown bolts
176	2009	overgrown margin/missing bolt	118	2009	comparable photo
	2010	no photo - station not found		2010	comparable photo
	2011	no photo - station not found		2011	no photo - station not found
	2012	no photo - station not found		2012	no photo - station not found
192	2009	overgrown margin/missing bolt	119	2009	no photo - station not found
	2010	no photo - station not found		2010	no photo - station not found
	2011	no photo - station not found		2011	overgrown bolt
	2012	no photo - station not found		2012	orientation doesn't match/missing bolt
760	2009	comparable photo	120	2009	no photo - station not found
	2010	overgrown margin		2010	overgrown margin/overgrown bolts
	2011	overgrown margin/overgrown bolt		2011	no photo - station not found
	2012	overgrown margin/overgrown bolt		2012	orientation doesn't match/missing

EFGB			WFGB		
Station	**Year**	**Description**	**Station**	**Year**	**Description**
					bolt
			121	2009	comparable photo
				2010	comparable photo
				2011	no photo - station not found
				2012	overgrown bolt
			127	2009	no photo - station not found
				2010	no photo - station not found
				2011	missing bolts
				2012	no photo - station not found
			198	2009	no photo - station not found
				2010	overgrown bolts
				2011	no photo - station not found
				2012	no photo - station not found
			201	2009	no photo - station not found
				2010	no photo - station not found
				2011	no photo - station not found
				2012	missing bolts
			760	2009	no photo - station not found
				2010	no photo - station not found
				2011	overgrown margin/missing bolt
				2012	no photo - station not found

APPENDIX 7.0: REEF-BUILDING CORAL COLONIES SELECTED FOR PLANIMETRIC ANALYSIS

Bank	Station ID	Coral #	Species ID	% change
EFGB	001	1	*Colpophylia natans*	-1.65
		2	*Orbicella faveolata*	5.03
		3	*Orbicella franksi*	12.08
	002	1	*Montastraea cavernosa*	3.16
		2	*Orbicella* spp.	2.27
		3	*Porites astreoides*	7.14
	003	1	*Porites astreoides*	62.84
		2	*Pseudodiploria strigosa*	43.69
		3	*Orbicella franksi*	11.47
	005	1	*Orbicella faveolata*	1.14
		2	*Colpophylia natans*	14.98
		3	*Orbicella faveolata*	7.17
		4	*Porites astreoides*	26.02
	010	1	*Colpophylia natans*	2.69
		2	*Porites astreoides*	10.44
		3	*Pseudodiploria strigosa*	19.16
	016	1	*Orbicella franksi*	-0.69
		2	*Orbicella franksi*	11.37
		3	*Orbicella franksi*	7.49
	020	1	*Porites astreoides*	16.14
		2	*Orbicella faveolata*	6.21
		3	*Orbicella franksi*	32.10
		4	*Orbicella franksi*	11.72
	021	1	*Porites astreoides*	30.38
		2	*Porites astreoides*	27.74
		3	*Orbicella franksi*	8.34
	023	1	*Porites astreoides*	121.69
		2	*Orbicella franksi*	66.49
		3	*Porites astreoides*	43.82
	027	1	*Pseudodiploria strigosa*	0.10
		2	*Pseudodiploria strigosa*	20.81
		3	*Orbicella franksi*	19.48
		4	*Porites astreoides*	13.60
	029	1	*Pseudodiploria strigosa*	4.12
		2	*Orbicella franksi*	4.32
		3	*Pseudodiploria strigosa*	18.44

Bank	Station ID	Coral #	Species ID	% change
EFGB	030	1	*Porites astreoides*	13.03
		2	*Porites astreoides*	21.55
		3	*Porites astreoides*	18.28
		4	*Montastraea cavernosa*	15.80
	032	1	*Orbicella faveolata*	2.44
		2	*Porites astreoides*	27.24
		3	*Orbicella franksi*	15.77
	058	1	*Porites astreoides*	10.33
		2	*Orbicella franksi*	0.21
		3	*Porites astreoides*	3.63
	067	1	*Pseudodiploria strigosa*	16.80
		2	*Orbicella faveolata*	20.94
		3	*Porites astreoides*	24.43
		4	*Porites astreoides*	18.83
	185	1	*Montastraea cavernosa*	1.07
		2	*Pseudodiploria strigosa*	0.98
		3	*Orbicella franksi*	32.88
		4	*Pseudodiploria strigosa*	16.32
	708	1	*Orbicella faveolata*	15.29
		2	*Pseudodiploria strigosa*	12.91
		3	*Pseudodiploria strigosa*	7.95
		4	*Porites astreoides*	16.70
	715	1	*Pseudodiploria strigosa*	-1.17
		2	*Pseudodiploria strigosa*	14.29
		3	*Orbicella franksi*	6.66
		4	*Pseudodiploria strigosa*	-6.15
	717	1	*Pseudodiploria strigosa*	1.33
		2	*Colpophylia natans*	15.48
		3	*Pseudodiploria strigosa*	11.96
	724	1	*Pseudodiploria strigosa*	4.06
		2	*Montastraea cavernosa*	17.16
		3	*Porites astreoides*	-2.91
	726	1	*Pseudodiploria strigosa*	7.88
		2	*Pseudodiploria strigosa*	7.81
		3	*Porites astreoides*	11.38
		4	*Orbicella faveolata*	5.95
	731	1	*Colpophylia natans*	16.36
		2	*Orbicella franksi*	16.30
		3	*Porites astreoides*	12.28
		4	*Orbicella franksi*	24.54

Bank	Station ID	Coral #	Species ID	% change
EFGB	733	1	*Colpophylia natans*	-4.44
		2	*Pseudodiploria strigosa*	5.39
		3	*Pseudodiploria strigosa*	5.15
	739	1	*Montastraea cavernosa*	0.71
		2	*Orbicella franksi*	9.99
		3	*Porites astreoides*	30.63
		4	*Orbicella franksi*	33.28
	740	1	*Pseudodiploria strigosa*	8.97
		2	*Orbicella faveolata*	-3.14
		3	*Orbicella faveolata*	19.82
	755	1	*Porites astreoides*	13.72
		2	*Porites astreoides*	1.51
		3	*Orbicella franksi*	6.57
	756	1	*Colpophylia natans*	20.46
		2	*Orbicella franksi*	20.93
		3	*Porites astreoides*	-31.96
		4	*Porites astreoides*	-5.72
	757	1	*Colpophylia natans*	8.36
		2	*Pseudodiploria strigosa*	-4.79
		3	*Pseudodiploria strigosa*	20.78
	761	1	*Pseudodiploria strigosa*	7.98
		2	*Pseudodiploria strigosa*	10.12
		3	*Pseudodiploria strigosa*	16.47
		4	*Porites astreoides*	11.86
	764	1	*Orbicella franksi*	19.73
		2	*Pseudodiploria strigosa*	15.89
		3	*Porites astreoides*	37.97
	765	1	*Porites astreoides*	5.07
		2	*Montastraea cavernosa*	9.22
		3	*Pseudodiploria strigosa*	11.24
		4	*Montastraea cavernosa*	1.76
	766	1	*Colpophylia natans*	7.74
		2	*Orbicella franksi*	0.92
		3	*Orbicella franksi*	6.48
Deep EFGB	D1	1	*Colpophylia natans*	-6.79
		2	*Orbicella franksi*	-0.49
		3	*Orbicella* spp.	-5.72
		4	*Colpophylia natans*	29.25
	D2	1	*Orbicella franksi*	-7.86
		2	*Montastraea cavernosa*	9.27

Bank	Station ID	Coral #	Species ID	% change
		3	*Montastraea cavernosa*	6.70
	D3	1	*Orbicella franksi*	10.83
		2	*Orbicella franksi*	18.03
		3	*Colpophylia natans*	77.85
	D4	1	*Montastraea cavernosa*	4.84
		2	*Orbicella franksi*	4.71
		3	*Montastraea cavernosa*	9.17
	D5	1	*Orbicella* spp.	2.70
		2	*Porites astreoides*	103.32
		3	*Porites astreoides*	-17.95
	D6	1	*Pseudodiploria strigosa*	-11.21
		2	*Orbicella franksi*	11.48
	D7	1	*Orbicella franksi*	-16.95
		2	*Montastraea cavernosa*	14.55
		3	*Montastraea cavernosa*	13.40
	D8	1	*Montastraea cavernosa*	2.61
		2	*Montastraea cavernosa*	-26.01
		3	*Colpophylia natans*	21.77
		4	*Orbicella franksi*	12.48
	D9	1	*Montastraea cavernosa*	3.27
		2	*Montastraea cavernosa*	-3.29
		3	*Orbicella franksi*	-3.20
WFGB	018	1	*Porites astreoides*	7.64
		2	*Montastraea cavernosa*	6.99
		3	*Colpophyllia natans*	17.87
		4	*Orbicella faveolata*	2.02
	041	1	*Orbicella faveolata*	12.62
		2	*Orbicella faveolata*	-0.48
		3	*Porites astreoides*	19.73
	042	1	*Porites astreoides*	6.14
		2	*Orbicella faveolata*	7.78
		3	*Montastraea cavernosa*	-78.69
	045	1	*Orbicella franksi*	-3.70
		2	*Porites astreoides*	3.95
		3	*Pseudodiploria strigosa*	2.05
		4	*Orbicella franksi*	12.29
	046	1	*Orbicella franksi*	14.99
		2	*Porites astreoides*	16.56
		3	*Pseudodiploria strigosa*	16.00
		4	*Montastraea cavernosa*	4.57

Bank	Station ID	Coral #	Species ID	% change
WFGB	049	1	*Porites astreoides*	12.40
		2	*Montastraea cavernosa*	-3.42
		3	*Montastraea cavernosa*	11.42
	051	1	*Porites astreoides*	-31.45
		2	*Pseudodiploria strigosa*	-35.09
		3	*Orbicella franksi*	-0.18
		4	*Orbicella faveolata*	0.24
	053	1	*Orbicella franksi*	-3.42
		2	*Colpophyllia natans*	-2.42
		3	*Pseudodiploria strigosa*	5.64
	054	1	*Orbicella franksi*	-8.18
		2	*Porites astreoides*	6.60
		3	*Porites astreoides*	-1.83
		4	*Colpophyllia natans*	12.64
	061	1	*Orbicella annularis*	14.81
		2	*Orbicella annularis*	5.80
		3	*Orbicella franksi*	7.23
	072	1	*Montastraea cavernosa*	-3.97
		2	*Pseudodiploria strigosa*	0.95
		3	*Pseudodiploria strigosa*	5.71
	073	1	*Colpophyllia natans*	12.58
		2	*Pseudodiploria strigosa*	3.77
		3	*Orbicella franksi*	6.63
	091	1	*Pseudodiploria strigosa*	0.77
		2	*Pseudodiploria strigosa*	10.53
		3	*Pseudodiploria strigosa*	3.42
	093	1	*Porites astreoides*	3.80
		2	*Orbicella franksi*	14.15
		3	*Orbicella franksi*	1.38
	125	1	*Orbicella franksi*	-5.17
		2	*Colpophyllia natans*	-21.90
		3	*Pseudodiploria strigosa*	14.43
		4	*Montastraea cavernosa*	5.28
	822	1	*Pseudodiploria strigosa*	-0.80
		2	*Orbicella franksi*	4.58
		3	*Pseudodiploria strigosa*	9.67
	824	1	*Orbicella franksi*	6.22
		2	*Stephanocoenia intersepta*	3.55
		3	*Porites astreoides*	-66.48
		4	*Orbicella annularis*	17.66

Bank	Station ID	Coral #	Species ID	% change
WFGB	839	1	*Orbicella franksi*	10.30
		2	*Pseudodiploria strigosa*	5.46
		3	*Pseudodiploria strigosa*	19.06
	843	1	*Pseudodiploria strigosa*	35.88
		2	*Pseudodiploria strigosa*	11.42
		3	*Porites astreoides*	26.17
	844	1	*Orbicella franksi*	-5.45
		2	*Porites astreoides*	11.67
		3	*Porites astreoides*	24.07
	847	1	*Porites astreoides*	22.61
		2	*Porites astreoides*	28.11
		3	*Pseudodiploria strigosa*	8.48
		4	*Pseudodiploria strigosa*	3.10
	848	1	*Porites astreoides*	9.37
		2	*Pseudodiploria strigosa*	11.09
		3	*Colpophyllia natans*	28.67
	855	1	*Pseudodiploria strigosa*	2.54
		2	*Colpophyllia natans*	10.20
		3	*Orbicella franksi*	-3.90
	857	1	*Colpophyllia natans*	10.26
		2	*Pseudodiploria strigosa*	-17.97
		3	*Orbicella franksi*	28.91
	861	1	*Orbicella franksi*	6.52
		2	*Porites astreoides*	33.04
		3	*Orbicella franksi*	-5.81
	862	1	*Porites astreoides*	6.84
		2	*Porites astreoides*	8.62
		3	*Orbicella faveolata*	37.68
		4	*Montastraea cavernosa*	15.40
	865	1	*Pseudodiploria strigosa*	12.52
		2	*Porites astreoides*	4.40
		3	*Pseudodiploria strigosa*	24.87
	866	1	*Siderastrea siderea*	-0.27
		2	*Porites astreoides*	11.72
		3	*Montastraea cavernosa*	13.01
		4	*Pseudodiploria strigosa*	6.09
	867	1	*Porites astreoides*	-16.36
		2	*Colpophyllia natans*	2.26
		3	*Pseudodiploria strigosa*	8.49
	868	1	*Orbicella faveolata*	-9.53

Bank	Station ID	Coral #	Species ID	% change
WFGB		2	*Porites astreoides*	9.98
		3	*Porites astreoides*	8.68
	869	1	*Orbicella annularis*	-41.23
		2	*Orbicella franksi*	-0.35
		3	*Porites astreoides*	9.96
	870	1	*Pseudodiploria strigosa*	28.39
		2	*Porites astreoides*	51.39
		3	*Orbicella faveolata*	-7.10
	874	1	*Orbicella franksi*	5.16
		2	*Orbicella annularis*	7.52
		3	*Porites astreoides*	-10.19
	875	1	*Orbicella faveolata*	0.28
		2	*Porites astreoides*	43.24
		3	*Orbicella faveolata*	13.69
	876	1	*Orbicella franksi*	-0.97
		2	*Montastraea cavernosa*	5.97
		3	*Porites astreoides*	11.32
		4	*Montastraea cavernosa*	4.14
	877	1	*Orbicella faveolata*	-0.48
		2	*Porites astreoides*	11.69
		3	*Colpophyllia natans*	18.83
		4	*Orbicella faveolata*	7.30
	878	1	*Porites astreoides*	17.04
		2	*Orbicella franksi*	26.17
		3	*Pseudodiploria strigosa*	12.46
	879	1	*Orbicella franksi*	5.32
		2	*Pseudodiploria strigosa*	11.33
		3	*Pseudodiploria strigosa*	23.73
	NT3	1	*Pseudodiploria strigosa*	6.01
		2	*Pseudodiploria strigosa*	9.50
		3	*Porites astreoides*	14.39

APPENDIX 8.0: REPETITIVE QUADRAT PERCENT COVER DATA

8.1. REPETITIVE QUADRAT PERCENT COVER DATA FROM 2011 AT EFGB

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Total points (minus tape+ wand+ shadow)	**87**	**87**	**92**	**91**	**89**	**92**	**94**	**89**	**91**	**91**	**89**	**93**	**93**	**85**	**97**	**98**	**93**	**88**	**95**
MAJOR CATEGORY (% of transect)																			
CORAL	45.98	27.59	16.30	68.13	71.91	64.13	79.79	64.04	83.52	78.02	46.07	61.29	77.42	80.00	70.10	58.16	60.22	77.27	77.89
SPONGE	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.00	1.05
ENCRUSTING SPONGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05
MACROALGAE	33.33	48.28	55.43	21.98	10.11	25.00	8.51	30.34	7.69	12.09	39.33	24.73	15.05	12.94	16.49	36.73	25.81	13.64	11.58
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	1.15	0.00	1.09	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.08	0.00	0.00
SUBSTRATE	18.39	24.14	27.17	9.89	15.73	10.87	10.64	5.62	8.79	9.89	14.61	13.98	7.53	7.06	13.40	4.08	9.68	9.09	8.42
SAND	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW	13.00	13.00	8.00	9.00	11.00	8.00	6.00	11.00	9.00	9.00	11.00	7.00	7.00	15.00	3.00	2.00	7.00	12.00	5.00
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SUB CATEGORIES (% of transect)																			

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
CORAL (C)																			
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	2.30	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	0.00	2.30	0.00	0.00	7.87	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	1.03	2.04	1.08	0.00	5.26
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	8.05	3.45	4.35	8.79	24.72	0.00	2.13	3.37	0.00	26.37	14.61	16.13	0.00	8.24	14.43	24.49	17.20	21.59	14.74
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	1.08	0.00	0.00
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	0.00	1.02	1.08	0.00	0.00
Montastraea annularis species complex (MASC)	3.45	0.00	4.35	5.49	1.12	28.26	0.00	28.09	0.00	0.00	11.24	2.15	5.38	0.00	5.15	2.04	6.45	14.77	5.26
Montastraea cavernosa (MOCA)	2.30	3.45	3.26	0.00	0.00	0.00	0.00	0.00	0.00	19.78	0.00	21.51	11.83	1.18	1.03	1.02	0.00	0.00	0.00
Montastraea faveolata (MOFA)	8.05	0.00	0.00	13.19	0.00	1.09	0.00	0.00	18.68	0.00	0.00	3.23	5.38	1.18	19.59	1.02	8.60	2.27	38.95
Montastraea franksi (MOFR)	11.49	16.09	1.09	35.16	34.83	28.26	72.34	23.60	52.75	27.47	17.98	7.53	53.76	48.24	25.77	14.29	16.13	37.50	6.32
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	1.05
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	5.75	0.00	2.17	5.49	3.37	2.17	2.13	3.37	10.99	2.20	1.12	8.60	1.08	9.41	2.06	6.12	5.38	1.14	4.21
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	2.11
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	1.15	2.30	0.00	0.00	0.00	3.26	2.13	4.49	0.00	2.20	0.00	1.08	0.00	5.88	0.00	4.08	3.23	0.00	0.00
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																			
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)																			
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																			
Algae (ALGAE)	8.05	10.34	22.83	9.89	6.74	9.78	6.38	13.48	6.59	3.30	10.11	4.30	4.30	7.06	7.22	24.49	11.83	5.68	4.21
Dictyota sp. (DICT)	19.54	25.29	22.83	10.99	3.37	6.52	0.00	12.36	0.00	5.49	21.35	17.20	2.15	2.35	4.12	9.18	9.68	5.68	2.11
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	4.60	9.20	6.52	0.00	0.00	5.43	2.13	4.49	0.00	0.00	3.37	1.08	8.60	1.18	1.03	3.06	1.08	1.14	5.26
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	1.15	3.45	3.26	1.10	0.00	3.26	0.00	0.00	1.10	3.30	4.49	2.15	0.00	2.35	4.12	0.00	3.23	1.14	0.00
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																			
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																			
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	1.15	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Invertebrate (INVERT)	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.08	0.00	0.00
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																			
Bare Substrate (BARE)	12.64	9.20	6.52	4.40	4.49	6.52	8.51	1.12	7.69	2.20	7.87	2.15	6.45	3.53	3.09	2.04	4.30	3.41	2.11
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16
Crustose Coralline Algae (CCA)	1.15	3.45	8.70	3.30	3.37	1.09	2.13	3.37	0.00	0.00	0.00	0.00	0.00	1.18	1.03	1.02	1.08	0.00	0.00
Fine Turf (FINE)	3.45	11.49	11.96	2.20	7.87	3.26	0.00	1.12	1.10	7.69	6.74	11.83	1.08	2.35	9.28	1.02	4.30	5.68	3.16
Substrate Rubble (RUB)	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)																			
Sand (SAND)	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)																			
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	11.00	13.00	8.00	8.00	10.00	8.00	6.00	11.00	8.00	8.00	11.00	5.00	6.00	13.00	3.00	2.00	5.00	11.00	5.00
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	2.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	2.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
NOTES (% of transect)																			

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	1.10	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																			
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	1.41	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																			
CORAL (C)	40	24	15	62	64	59	75	57	76	71	41	57	72	68	68	57	56	68	74
SPONGE (SP)	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	1

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MACROALGAE (M)	29	42	51	20	9	23	8	27	7	11	35	23	14	11	16	36	24	12	11
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0
SUBSTRATE (SUB)	16	21	25	9	14	10	10	5	8	9	13	13	7	6	13	4	9	8	8
SAND (SAND)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)	13	13	8	9	11	8	6	11	9	9	11	7	7	15	3	2	7	12	5
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
SUBCATEGORIES (occurring in transect)																			
CORAL (C)																			
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia natans (CONA)	0	2	0	0	7	0	0	0	0	0	1	0	0	0	1	2	1	0	5
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	7	3	4	8	22	0	2	3	0	24	13	15	0	7	14	24	16	19	14
Unknown Coral I (C1)	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	1	0	0
Montastraea annularis species complex (MASC)	3	0	4	5	1	26	0	25	0	0	10	2	5	0	5	2	6	13	5
Montastraea cavernosa (MOCA)	2	3	3	0	0	0	0	0	0	18	0	20	11	1	1	1	0	0	0

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Montastraea faveolata (MOFA)	7	0	0	12	0	1	0	0	17	0	0	3	5	1	19	1	8	2	37
Montastraea franksi (MOFR)	10	14	1	32	31	26	68	21	48	25	16	7	50	41	25	14	15	33	6
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	5	0	2	5	3	2	2	3	10	2	1	8	1	8	2	6	5	1	4
Porites furcata (POFU)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	1	2	0	0	0	3	2	4	0	2	0	1	0	5	0	4	3	0	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																			
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)																			
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																			
Algae (ALGAE)	7	9	21	9	6	9	6	12	6	3	9	4	4	6	7	24	11	5	4
Dictyota sp. (DICT)	17	22	21	10	3	6	0	11	0	5	19	16	2	2	4	9	9	5	2

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	4	8	6	0	0	5	2	4	0	0	3	1	8	1	1	3	1	1	5
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	1	3	3	1	0	3	0	0	1	3	4	2	0	2	4	0	3	1	0
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																			
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																			
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Invertebrate (INVERT)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																			
Bare Substrate (BARE)	11	8	6	4	4	6	8	1	7	2	7	2	6	3	3	2	4	3	2
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Crustose Coralline Algae (CCA)	1	3	8	3	3	1	2	3	0	0	0	0	0	1	1	1	1	0	0
Fine Turf (FINE)	3	10	11	2	7	3	0	1	1	7	6	11	1	2	9	1	4	5	3

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Substrate Rubble (RUB)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																			
Sand (SAND)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)																			
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shadow (SHADOW)	11	13	8	8	10	8	6	11	8	8	11	5	6	13	3	2	5	11	5
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	2	0	0	1	1	0	0	0	1	1	0	2	1	1	0	0	1	1	0
NOTES (occurring in transect)																			
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (occurring in coral)																			

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8.1. REPETITIVE QUADRAT PERCENT COVER DATA FROM 2011 AT EFGB, CONT.

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+ wand+ shadow)	**86**	**90**	**84**	**98**	**97**	**88**	**92**	**93**	**93**	**88**	**99**	**94**	**92**	**87**	**97**	**93**		
MAJOR CATEGORY (% of transect)																		
CORAL (C)	55.81	62.22	60.71	75.51	86.60	65.91	60.87	30.11	76.34	43.18	56.57	87.23	61.96	34.48	63.92	86.02	63.53	3.09
SPONGE (SP)	0.00	0.00	2.38	2.04	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00	1.09	0.00	1.03	0.00	0.62	0.16
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	26.74	23.33	34.52	14.29	4.12	20.45	22.83	50.54	13.98	47.73	37.37	8.51	28.26	50.57	28.87	8.60	26.47	2.69
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	1.11	0.00	0.00	0.00	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.24	0.11
SUBSTRATE (SUB)	17.44	13.33	2.38	8.16	9.28	10.23	13.04	13.98	9.68	7.95	6.06	4.26	8.70	14.94	5.15	5.38	8.51	0.63
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	1.14	3.26	3.23	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.20
TAPE, WAND, SHADOW (TWS)	14.00	10.00	16.00	2.00	3.00	12.00	8.00	7.00	7.00	12.00	1.00	6.00	8.00	13.00	3.00	7.00	7.50	0.76
Sum (excluding tape+ shadow+ wand)	100	100	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
SUB CATEGORIES (% of transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	0.00	1.11	1.19	0.00	3.09	2.27	0.00	0.00	0.00	0.00	0.00	1.06	0.00	2.30	0.00	0.00	0.71	0.18
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	3.49	2.22	35.71	23.47	14.43	40.91	3.26	9.68	3.23	6.82	0.00	3.19	25.00	1.15	11.34	2.15	12.88	2.26
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.05
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
(MASP)																		
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	1.16	0.00	2.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.25	0.11
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.24
Montastraea annularis species complex (MASC)	11.63	0.00	0.00	1.02	7.22	0.00	0.00	7.53	31.18	2.27	8.08	11.70	0.00	3.45	0.00	1.08	5.25	1.42
Montastraea cavernosa (MOCA)	2.33	0.00	1.19	4.08	0.00	0.00	19.57	0.00	6.45	1.14	0.00	8.51	0.00	0.00	14.43	0.00	3.95	1.05
Montastraea faveolata (MOFA)	0.00	1.11	0.00	4.08	0.00	2.27	0.00	0.00	0.00	0.00	0.00	0.00	19.57	0.00	0.00	8.60	2.47	0.93
Montastraea franksi (MOFR)	30.23	47.78	17.86	33.67	57.73	17.05	35.87	0.00	32.26	29.55	48.48	60.64	11.96	24.14	34.02	63.44	33.33	3.20
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	5.81	10.00	2.38	4.08	4.12	1.14	2.17	6.45	2.15	2.27	0.00	1.06	4.35	3.45	4.12	0.00	2.70	0.31
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.05
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.09	0.00	0.00	0.00	0.15	0.07
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	1.16	0.00	0.00	5.10	0.00	1.14	0.00	1.08	0.00	1.14	0.00	0.00	0.00	0.00	0.00	9.68	1.29	0.47
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	1.19	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.11
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.09
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.16	0.07
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.07	0.05
ENCRUSTING SPONGE (SPE)																		

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	4.65	6.67	13.10	3.06	1.03	4.55	3.26	10.75	2.15	15.91	15.15	3.19	16.30	20.69	14.43	5.38	9.21	1.12
Dictyota sp. (DICT)	9.30	11.11	16.67	5.10	1.03	14.77	13.04	36.56	3.23	14.77	17.17	5.32	9.78	24.14	6.19	1.08	12.06	1.67
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	12.79	0.00	1.19	6.12	2.06	0.00	2.17	3.23	5.38	17.05	5.05	0.00	2.17	4.60	8.25	0.00	4.09	0.76
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	0.00	5.56	3.57	0.00	0.00	1.14	4.35	0.00	3.23	0.00	0.00	0.00	0.00	1.15	0.00	2.15	1.11	0.27
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
OTHER (O)																		
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Invertebrate (INVERT)	0.00	1.11	0.00	0.00	0.00	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.24	0.11
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	8.14	11.11	1.19	7.14	5.15	6.82	2.17	6.45	4.30	5.68	2.02	0.00	6.52	5.75	4.12	0.00	4.09	0.43
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustose Coralline Algae (CCA)	0.00	0.00	0.00	0.00	0.00	0.00	2.17	1.08	2.15	1.14	4.04	4.26	2.17	9.20	1.03	3.23	2.18	0.42
Fine Turf (FINE)	9.30	2.22	1.19	1.02	4.12	3.41	8.70	6.45	3.23	1.14	0.00	0.00	0.00	0.00	0.00	2.15	2.24	0.46
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)																		
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	1.14	3.26	3.23	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.20
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	12.00	8.00	12.00	1.00	3.00	10.00	5.00	6.00	3.00	8.00	0.00	2.00	6.00	11.00	2.00	7.00	5.43	0.65
Tag (TAG)	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	0.00	2.00	0.00	0.00	0.00	1.00	0.00	0.00	0.43	0.13
Wand (WAND)	2.00	0.00	3.00	1.00	0.00	0.00	2.00	1.00	3.00	2.00	1.00	4.00	2.00	1.00	1.00	0.00	1.50	0.21
NOTES (% of transect)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	2.04	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.10
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																		
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	2.70	0.00	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.14
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																		
CORAL (C)	48	56	51	74	84	58	56	28	71	38	56	82	57	30	62	80	59.07	3.08
SPONGE (SP)	0	0	2	2	0	0	0	2	0	0	0	0	1	0	1	0	0.57	0.14

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)	23	21	29	14	4	18	21	47	13	42	37	8	26	44	28	8	24.21	2.41
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	0	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0.21	0.10
SUBSTRATE (SUB)	15	12	2	8	9	9	12	13	9	7	6	4	8	13	5	5	7.86	0.56
SAND (SAND)	0	0	0	0	0	1	3	3	0	1	0	0	0	0	0	0	0.57	0.18
TAPE, WAND, SHADOW (TWS)	14	10	16	2	3	12	8	7	7	12	1	6	8	13	3	7	7.50	0.76
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUB CATEGORIES (occurring in transect)																		
CORAL (C)																		
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	0	1	1	0	3	2	0	0	0	0	0	1	0	2	0	0	0.64	0.17
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	3	2	30	23	14	36	3	9	3	6	0	3	23	1	11	2	11.71	1.99
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.07	0.05
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0.21	0.10
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0.36	0.23
Montastraea annularis species complex (MASC)	10	0	0	1	7	0	0	7	29	2	8	11	0	3	0	1	4.93	1.33
Montastraea cavernosa (MOCA)	2	0	1	4	0	0	18	0	6	1	0	8	0	0	14	0	3.71	0.99

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Montastraea faveolata (MOFA)	0	1	0	4	0	2	0	0	0	0	0	0	18	0	0	8	2.29	0.86
Montastraea franksi (MOFR)	26	43	15	33	56	15	33	0	30	26	48	57	11	21	33	59	31.21	3.10
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	5	9	2	4	4	1	2	6	2	2	0	1	4	3	4	0	2.50	0.29
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.07	0.05
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Stephanocoenia intersepta (STIN)	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0.14	0.06
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	1	0	0	5	0	1	0	1	0	1	0	0	0	0	0	9	1.21	0.44
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)																		
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0.21	0.10
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0.09
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

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Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge I (SP1)	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0.14	0.06
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.07	0.05
ENCRUSTING SPONGE (SPE)																		
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)																		
Algae (ALGAE)	4	6	11	3	1	4	3	10	2	14	15	3	15	18	14	5	8.43	1.01

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Dictyota sp. (DICT)	8	10	14	5	1	13	12	34	3	13	17	5	9	21	6	1	11.00	1.52
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Lobophora variegata (LOVA)	11	0	1	6	2	0	2	3	5	15	5	0	2	4	8	0	3.79	0.68
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Turf Algae Matrix (TURF)	0	5	3	0	0	1	4	0	3	0	0	0	0	1	0	2	1.00	0.24
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)																		
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)																		
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Invertebrate (INVERT)	0	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0.21	0.10
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)																		
Bare Substrate (BARE)	7	10	1	7	5	6	2	6	4	5	2	0	6	5	4	0	3.79	0.40
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Crustose Coralline Algae (CCA)	0	0	0	0	0	0	2	1	2	1	4	4	2	8	1	3	2.00	0.38
Fine Turf (FINE)	8	2	1	1	4	3	8	6	3	1	0	0	0	0	0	2	2.07	0.42
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SAND (SAND)																		
Sand (SAND)	0	0	0	0	0	1	3	3	0	1	0	0	0	0	0	0	0.57	0.18
TAPE, WAND, SHADOW (TWS)																		
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.05
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Shadow (SHADOW)	12	8	12	1	3	10	5	6	3	8	0	2	6	11	2	7	5.43	0.65
Tag (TAG)	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.07	0.05
Tape (TAPE)	0	0	0	0	0	2	1	0	0	2	0	0	0	1	0	0	0.43	0.13
Wand (WAND)	2	0	3	1	0	0	2	1	3	2	1	4	2	1	1	0	1.50	0.21
NOTES (occurring in transect)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0.21	0.10

TRANSECT NAME	724	725	726	731	733	738	739	740	751	755	756	757	761	764	765	766	MEAN	STD ER
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)																		
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0.21	0.10
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

8.2. REPETITIVE QUADRAT DIVERSITY MEASURES FROM 2011 AT EFGB

TRANSECT NAME	1	2	3	5	10	16	20	21	23	27	29	30	32	58	67	185	708	715	717	724	725
Shannon-Weaver Index	**1.14**	**1.05**	**1.03**	**0.82**	**0.85**	**0.87**	**0.68**	**0.81**	**0.56**	**0.68**	**1.01**	**0.92**	**0.68**	**0.63**	**0.82**	**0.86**	**1.04**	**0.69**	**0.75**	**0.98**	**0.95**
CORAL (C)	0.36	0.36	0.30	0.26	0.24	0.28	0.18	0.29	0.15	0.19	0.36	0.30	0.20	0.18	0.25	0.32	0.31	0.20	0.19	0.33	0.30
SPONGE (SP)	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.05	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
MACROALGAE (M)	0.37	0.35	0.33	0.33	0.23	0.35	0.21	0.36	0.20	0.26	0.37	0.35	0.29	0.26	0.30	0.37	0.35	0.27	0.25	0.35	0.34
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.05	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.05
SUBSTRATE (SUB)	0.31	0.34	0.35	0.23	0.29	0.24	0.24	0.16	0.21	0.23	0.28	0.28	0.19	0.19	0.27	0.13	0.23	0.22	0.21	0.30	0.27
SAND (SAND)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simpson Index of Diversity	**0.64**	**0.63**	**0.59**	**0.48**	**0.45**	**0.51**	**0.34**	**0.49**	**0.29**	**0.37**	**0.61**	**0.54**	**0.37**	**0.34**	**0.46**	**0.52**	**0.56**	**0.38**	**0.37**	**0.59**	**0.54**
CORAL (C)	0.21	0.08	0.03	0.46	0.52	0.41	0.64	0.41	0.70	0.61	0.21	0.38	0.60	0.64	0.49	0.34	0.36	0.60	0.61	0.31	0.39
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.11	0.23	0.31	0.05	0.01	0.06	0.01	0.09	0.01	0.01	0.15	0.06	0.02	0.02	0.03	0.13	0.07	0.02	0.01	0.07	0.05
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.03	0.06	0.07	0.01	0.02	0.01	0.01	0.00	0.01	0.01	0.02	0.02	0.01	0.00	0.02	0.00	0.01	0.01	0.01	0.03	0.02
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.2. Repetitive Quadrat Diversity Measures from 2011 at EFGB, cont.

TRANSECT NAME	726	731	733	738	739	740	751	755	756	757	761	764	765	766
Shannon-Weaver Index	**0.85**	**0.77**	**0.48**	**0.97**	**1.02**	**1.17**	**0.71**	**0.97**	**0.86**	**0.46**	**0.92**	**1.00**	**0.89**	**0.50**
CORAL (C)	0.30	0.21	0.12	0.27	0.30	0.36	0.21	0.36	0.32	0.12	0.30	0.37	0.29	0.13
SPONGE (SP)	0.09	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.37	0.28	0.13	0.32	0.34	0.34	0.28	0.35	0.37	0.21	0.36	0.34	0.36	0.21
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
SUBSTRATE (SUB)	0.09	0.20	0.22	0.23	0.27	0.28	0.23	0.20	0.17	0.13	0.21	0.28	0.15	0.16
SAND (SAND)	0.00	0.00	0.00	0.05	0.11	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Simpson Index of Diversity														
CORAL (C)	**0.51**	**0.40**	**0.24**	**0.51**	**0.56**	**0.63**	**0.39**	**0.58**	**0.54**	**0.23**	**0.53**	**0.60**	**0.51**	**0.25**
SPONGE (SP)	0.37	0.57	0.75	0.43	0.37	0.09	0.58	0.19	0.32	0.76	0.38	0.12	0.41	0.74
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)	0.12	0.02	0.00	0.04	0.05	0.26	0.02	0.23	0.14	0.01	0.08	0.26	0.08	0.01
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)	0.00	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.02	0.00	0.00

8.3. REPETITIVE QUADRAT PERCENT COVER DATA FROM 2012 AT EFGB

TRANSECT NAME	**1**	**2**	**3**	**4**	**5**	**10**	**16**	**20**	**21**	**23**	**27**	**29**	**30**	**32**	**58**	**67**	**185**	**501**	**708**	**715**
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Total points (minus tape+ wand+ shadow)	**74**	**79**	**86**	**85**	**94**	**91**	**86**	**91**	**90**	**96**	**97**	**93**	**97**	**99**	**89**	**86**	**85**	**87**	**75**	**91**
MAJOR CATEGORY (% of transect)																				
CORAL	48.65	58.23	17.44	17.65	61.70	62.64	75.58	81.32	63.33	81.25	76.29	54.84	55.67	69.70	77.53	65.12	54.12	56.32	64.00	85.71
SPONGE	0.00	0.00	0.00	1.18	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	0.00
ENCRUSTING SPONGE	0.00	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00
MACROALGAE	32.43	30.38	65.12	64.71	31.91	17.58	15.12	14.29	32.22	10.42	17.53	36.56	35.05	19.19	12.36	23.26	31.76	31.03	8.00	8.79
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	0.00	1.16	2.20	0.00	2.08	0.00	1.08	2.06	0.00	0.00	0.00	1.18	0.00	5.33	0.00
SUBSTRATE	18.92	11.39	16.28	16.47	6.38	18.68	8.14	2.20	4.44	6.25	6.19	7.53	7.22	11.11	10.11	11.63	12.94	8.05	20.00	5.49
SAND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00	0.00
TAPE, WAND, SHADOW	26.00	21.00	14.00	15.00	6.00	9.00	14.00	9.00	10.00	4.00	3.00	7.00	3.00	1.00	11.00	14.00	15.00	13.00	25.00	9.00
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SUB CATEGORIES (% of transect)																				
CORAL (C)																				
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	2.33	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	0.00	0.00	0.00	0.00	0.00	4.40	0.00	0.00	0.00	2.08	1.03	4.30	7.22	0.00	0.00	0.00	4.71	3.45	0.00	0.00
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	6.76	6.33	5.81	0.00	10.64	15.38	0.00	4.40	2.22	0.00	22.68	17.20	4.12	1.01	5.62	15.12	16.47	37.93	18.67	18.68
Unknown Coral I (C1)	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	1.35	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.74	0.00	0.00	0.00	0.00	0.00
Montastraea annularis species complex (MASC)	1.35	0.00	0.00	0.00	21.28	0.00	0.00	0.00	0.00	0.00	2.06	1.08	0.00	0.00	2.25	1.16	3.53	1.15	1.33	1.10
Montastraea cavernosa (MOCA)	0.00	10.13	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.56	0.00	26.80	9.09	0.00	4.65	7.06	1.15	0.00	1.10

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Montastraea faveolata (MOFA)	8.11	1.27	0.00	1.18	8.51	0.00	5.81	0.00	42.22	28.13	0.00	6.45	3.09	13.13	0.00	8.14	0.00	2.30	6.67	21.98
Montastraea franksi (MOFR)	24.32	32.91	2.33	7.06	14.89	29.67	66.28	64.84	14.44	44.79	27.84	23.66	4.12	45.45	49.44	31.40	17.65	6.90	25.33	38.46
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	5.41	5.06	3.49	7.06	4.26	13.19	2.33	7.69	3.33	6.25	4.12	1.08	10.31	1.01	12.36	4.65	2.35	1.15	4.00	1.10
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	1.35	1.27	1.16	0.00	1.06	0.00	1.16	2.20	1.11	0.00	0.00	1.08	0.00	0.00	0.00	0.00	2.35	1.15	6.67	3.30
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																				

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
VIII (SP8)																				
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)																				
Encructing sponge (ENCRUST)	0.00	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																				
Algae (ALGAE)	6.76	10.13	18.60	31.76	6.38	2.20	8.14	7.69	12.22	6.25	10.31	12.90	7.22	16.16	10.11	10.47	15.29	9.20	5.33	1.10
Dictyota sp. (DICT)	16.22	15.19	26.74	28.24	23.40	12.09	5.81	3.30	18.89	3.13	6.19	20.43	27.84	3.03	0.00	11.63	12.94	21.84	0.00	5.49
Filamentous Algae (F ALG)	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	1.35	2.53	3.49	1.18	0.00	0.00	0.00	1.10	1.11	1.04	0.00	1.08	0.00	0.00	0.00	0.00	3.53	0.00	1.33	1.10
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	4.05	2.53	16.28	3.53	2.13	3.30	1.16	2.20	0.00	0.00	1.03	2.15	0.00	0.00	2.25	1.16	0.00	0.00	1.33	1.10
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																				
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																				

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	2.06	0.00	0.00	0.00	0.00	0.00	4.00	0.00
Invertebrate (INVERT)	0.00	0.00	0.00	0.00	0.00	0.00	1.16	2.20	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	1.33	0.00
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																				
Bare Substrate (BARE)	4.05	8.86	8.14	5.88	2.13	4.40	4.65	2.20	3.33	4.17	2.06	0.00	1.03	3.03	4.49	1.16	8.24	0.00	1.33	1.10
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustose Coralline Algae (CCA)	6.76	1.27	2.33	3.53	1.06	2.20	2.33	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	2.33	0.00	1.15	1.33	0.00
Fine Turf (FINE)	8.11	1.27	5.81	7.06	3.19	12.09	1.16	0.00	1.11	2.08	4.12	6.45	6.19	8.08	5.62	8.14	4.71	6.90	17.33	4.40
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)																				
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00	0.00
TAPE, WAND, SHADOW (TWS)																				
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	24.00	18.00	11.00	13.00	6.00	9.00	11.00	5.00	10.00	4.00	2.00	5.00	1.00	0.00	10.00	13.00	13.00	11.00	21.00	8.00
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	2.00	3.00	3.00	2.00	0.00	0.00	3.00	4.00	0.00	0.00	1.00	2.00	2.00	1.00	1.00	1.00	2.00	2.00	3.00	1.00
NOTES (% of transect)																				
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																				
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																				
CORAL (C)	36	46	15	15	58	57	65	74	57	78	74	51	54	69	69	56	46	49	48	78
SPONGE (SP)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0
ENCRUSTING SPONGE (SPE)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MACROALGAE (M)	24	24	56	55	30	16	13	13	29	10	17	34	34	19	11	20	27	27	6	8
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
OTHER (O)	0	0	0	0	0	0	1	2	0	2	0	1	2	0	0	0	1	0	4	0
SUBSTRATE (SUB)	14	9	14	14	6	17	7	2	4	6	6	7	7	11	9	10	11	7	15	5
SAND (SAND)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
TAPE, WAND, SHADOW (TWS)	26	21	14	15	6	9	14	9	10	4	3	7	3	1	11	14	15	13	25	9
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
SUBCATEGORIES (occurring in transect)																				
CORAL (C)																				
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia natans (CONA)	0	0	0	0	0	4	0	0	0	2	1	4	7	0	0	0	4	3	0	0
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	5	5	5	0	10	14	0	4	2	0	22	16	4	1	5	13	14	33	14	17
Unknown Coral I (C1)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
Montastraea annularis species complex (MASC)	1	0	0	0	20	0	0	0	0	0	2	1	0	0	2	1	3	1	1	1
Montastraea cavernosa (MOCA)	0	8	2	0	0	0	0	0	0	0	18	0	26	9	0	4	6	1	0	1
Montastraea faveolata (MOFA)	6	1	0	1	8	0	5	0	38	27	0	6	3	13	0	7	0	2	5	20
Montastraea franksi (MOFR)	18	26	2	6	14	27	57	59	13	43	27	22	4	45	44	27	15	6	19	35
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	4	4	3	6	4	12	2	7	3	6	4	1	10	1	11	4	2	1	3	1
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	1	1	1	0	1	0	1	2	1	0	0	1	0	0	0	0	2	1	5	3
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																				
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)																				
Encructing sponge (ENCRUST)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																				
Algae (ALGAE)	5	8	16	27	6	2	7	7	11	6	10	12	7	16	9	9	13	8	4	1
Dictyota sp. (DICT)	12	12	23	24	22	11	5	3	17	3	6	19	27	3	0	10	11	19	0	5
Filamentous Algae (F ALG)	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	1	2	3	1	0	0	0	1	1	1	0	1	0	0	0	0	3	0	1	1

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	3	2	14	3	2	3	1	2	0	0	1	2	0	0	2	1	0	0	1	1
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																				
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																				
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3	0
Invertebrate (INVERT)	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	1	0	1	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																				
Bare Substrate (BARE)	3	7	7	5	2	4	4	2	3	4	2	0	1	3	4	1	7	0	1	1
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crustose Coralline Algae (CCA)	5	1	2	3	1	2	2	0	0	0	0	1	0	0	0	2	0	1	1	0
Fine Turf (FINE)	6	1	5	6	3	11	1	0	1	2	4	6	6	8	5	7	4	6	13	4
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																				
Sand (SAND)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
TAPE, WAND, SHADOW (TWS)																				
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shadow (SHADOW)	24	18	11	13	6	9	11	5	10	4	2	5	1	0	10	13	13	11	21	8
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	2	3	3	2	0	0	3	4	0	0	1	2	2	1	1	1	2	2	3	1
NOTES (occurring in transect)																				
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (occurring in coral)																				
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8.3. Repetitive Quadrat Percent Cover Data from 2012 at EFGB, Cont.

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+ wand+ shadow)	**95**	**85**	**91**	**88**	**97**	**93**	**92**	**87**	**85**	**92**	**92**	**97**	**92**	**89**	**94**	**97**	**92**		
MAJOR CATEGORY (% of transect)																			
CORAL	73.68	64.71	68.13	59.09	83.51	91.40	63.04	35.63	71.76	46.74	66.30	84.54	59.78	33.71	58.51	82.47	71.74	65.07	2.72
SPONGE	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00	0.20	0.10
ENCRUSTING SPONGE	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	3.53	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.17
MACROALGAE	13.68	21.18	14.29	32.95	10.31	5.38	29.35	51.72	17.65	38.04	30.43	11.34	29.35	60.67	32.98	13.40	21.74	26.30	2.49
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	1.05	1.18	0.00	1.14	2.06	2.15	1.09	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	2.06	1.09	0.81	0.15
SUBSTRATE	11.58	12.94	15.38	6.82	4.12	1.08	5.43	11.49	7.06	13.04	3.26	4.12	6.52	5.62	8.51	2.06	5.43	7.06	0.69
SAND	0.00	0.00	0.00	0.00	0.00	0.00	1.09	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.06
TAPE, WAND, SHADOW	5.00	15.00	9.00	12.00	3.00	7.00	8.00	13.00	15.00	8.00	8.00	3.00	8.00	11.00	6.00	3.00	8.00	8.56	0.64
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUB CATEGORIES (% of transect)																			
CORAL (C)																			
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	7.37	0.00	0.00	2.27	0.00	9.68	0.00	1.15	0.00	0.00	2.17	1.03	0.00	1.12	0.00	3.09	10.87	1.96	0.56

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	13.68	4.71	0.00	29.55	24.74	10.75	6.52	5.75	4.71	0.00	1.09	1.03	28.26	3.37	6.38	0.00	18.48	9.08	1.70
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	1.18	0.00	0.00	1.03	0.00	2.17	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.41	0.11
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis species complex (MASC)	31.58	11.76	3.30	1.14	9.28	4.30	0.00	0.00	32.94	1.09	3.26	0.00	0.00	1.12	0.00	32.99	13.04	7.14	1.80
Montastraea cavernosa (MOCA)	0.00	3.53	0.00	0.00	6.19	2.15	17.39	0.00	9.41	0.00	0.00	4.12	0.00	0.00	13.83	0.00	1.09	3.61	0.90
Montastraea faveolata (MOFA)	0.00	0.00	1.10	0.00	6.19	0.00	0.00	19.54	5.88	1.09	0.00	0.00	10.87	0.00	0.00	10.31	0.00	3.44	0.94
Montastraea franksi (MOFR)	17.89	31.76	56.04	25.00	32.99	64.52	33.70	5.75	15.29	35.87	59.78	74.23	13.04	24.72	34.04	31.96	16.30	34.69	3.23
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Porites astereoides (POAS)	3.16	10.59	7.69	1.14	2.06	0.00	3.26	3.45	3.53	6.52	0.00	4.12	5.43	3.37	4.26	1.03	1.09	3.60	0.48
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.87	0.68	0.45
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	1.09	0.00	0.00	2.17	0.00	0.00	2.06	0.00	0.40	0.13
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																			
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.07	0.04

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.07	0.04
Unknown Sponge III (SP3)	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)																			
Encructing sponge (ENCRUST)	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.10
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.15
MACROALGAE (M)																			
Algae (ALGAE)	5.26	4.71	3.30	13.64	3.09	1.08	10.87	12.64	3.53	11.96	5.43	2.06	6.52	19.10	8.51	6.19	2.17	7.17	0.84
Dictyota sp. (DICT)	0.00	8.24	6.59	18.18	2.06	1.08	10.87	26.44	3.53	15.22	10.87	3.09	17.39	38.20	10.64	2.06	16.30	11.92	1.65
Filamentous Algae (F ALG)	0.00	1.18	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.36	0.15
Lobophora variegata (LOVA)	3.16	2.35	2.20	0.00	5.15	3.23	2.17	4.60	3.53	10.87	4.35	5.15	2.17	2.25	9.57	1.03	1.09	3.73	0.48
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Turf Algae Matrix (TURF)	5.26	4.71	2.20	1.14	0.00	0.00	5.43	4.60	7.06	0.00	9.78	1.03	2.17	1.12	4.26	4.12	2.17	3.11	0.46
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																			
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																			
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05
Invertebrate (INVERT)	1.05	1.18	0.00	0.00	2.06	2.15	1.09	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.00	2.06	1.09	0.74	0.15
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																			
Bare Substrate (BARE)	0.00	3.53	3.30	3.41	2.06	1.08	5.43	2.30	3.53	6.52	1.09	2.06	1.09	2.25	5.32	2.06	0.00	2.81	0.29
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustose Coralline Algae (CCA)	0.00	3.53	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	1.09	0.00	0.00	0.00	0.00	0.49	0.17
Fine Turf (FINE)	9.47	5.88	10.99	3.41	1.03	0.00	0.00	9.20	3.53	6.52	2.17	0.00	4.35	3.37	3.19	0.00	5.43	3.69	0.54
Substrate Rubble (RUB)	2.11	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04
SAND (SAND)																			
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	1.09	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.06
TAPE, WAND, SHADOW (TWS)																			
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	0.00	3.00	0.00	1.00	1.00	3.00	1.00	0.00	1.00	1.00	0.00	4.00	0.00	1.00	1.00	1.06	0.20
Shadow (SHADOW)	4.00	14.00	8.00	7.00	3.00	4.00	6.00	8.00	11.00	5.00	2.00	1.00	8.00	6.00	5.00	1.00	7.00	6.00	0.58
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04
Wand (WAND)	1.00	1.00	1.00	2.00	0.00	2.00	1.00	2.00	2.00	3.00	5.00	1.00	0.00	1.00	1.00	1.00	0.00	1.44	0.21
NOTES (% of transect)																			
Bleached Coral (BL)	0.00	0.00	0.00	1.14	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.06
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	3.09	0.00	0.26	0.13
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.06	0.04
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.14	0.09
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	3.26	0.34	0.14
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																			
Bleached Coral (BL)	0.00	0.00	0.00	1.92	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.09
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00	3.75	0.00	0.38	0.18
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.08	0.05
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	0.19	0.12
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00	0.00	4.55	0.54	0.21
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																			
CORAL (C)	70	55	62	52	81	85	58	31	61	43	61	82	55	30	55	80	66	59.81	2.74
SPONGE (SP)	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0.19	0.09

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
ENCRUSTING SPONGE (SPE)	0	0	1	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0.38	0.15
MACROALGAE (M)	13	18	13	29	10	5	27	45	15	35	28	11	27	54	31	13	20	23.81	2.19
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	1	1	0	1	2	2	1	0	0	0	0	0	2	0	0	2	1	0.75	0.14
SUBSTRATE (SUB)	11	11	14	6	4	1	5	10	6	12	3	4	6	5	8	2	5	6.38	0.61
SAND (SAND)	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.13	0.06
TAPE, WAND, SHADOW (TWS)	5	15	9	12	3	7	8	13	15	8	8	3	8	11	6	3	8	8.56	0.64
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUB CATEGORIES (occurring in transect)																			
CORAL (C)																			
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	7	0	0	2	0	9	0	1	0	0	2	1	0	1	0	3	10	1.81	0.52
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	13	4	0	26	24	10	6	5	4	0	1	1	26	3	6	0	17	8.31	1.56
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	0	1	0	0	1	0	2	0	0	1	0	0	0	0	0	1	0	0.38	0.10
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Montastraea annularis species complex (MASC)	30	10	3	1	9	4	0	0	28	1	3	0	0	1	0	32	12	6.50	1.64
Montastraea cavernosa (MOCA)	0	3	0	0	6	2	16	0	8	0	0	4	0	0	13	0	1	3.31	0.83
Montastraea faveolata (MOFA)	0	0	1	0	6	0	0	17	5	1	0	0	10	0	0	10	0	3.13	0.84
Montastraea franksi (MOFR)	17	27	51	22	32	60	31	5	13	33	55	72	12	22	32	31	15	32.06	3.08
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	3	9	7	1	2	0	3	3	3	6	0	4	5	3	4	1	1	3.25	0.42
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0.63	0.41
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Stephanocoenia intersepta (STIN)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.04
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	2	0	0.38	0.12
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)																			
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.06	0.04
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.06	0.04

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Unknown Sponge III (SP3)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.04
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
ENCRUSTING SPONGE (SPE)																			
Encructing sponge (ENCRUST)	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.19	0.09
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0.19	0.12
MACROALGAE (M)																			
Algae (ALGAE)	5	4	3	12	3	1	10	11	3	11	5	2	6	17	8	6	2	6.50	0.75
Dictyota sp. (DICT)	0	7	6	16	2	1	10	23	3	14	10	3	16	34	10	2	15	10.75	1.46
Filamentous Algae (F ALG)	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0.31	0.13
Lobophora variegata (LOVA)	3	2	2	0	5	3	2	4	3	10	4	5	2	2	9	1	1	3.44	0.45
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Turf Algae Matrix (TURF)	5	4	2	1	0	0	5	4	6	0	9	1	2	1	4	4	2	2.81	0.41
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)																			
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)																			
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.04
Invertebrate (INVERT)	1	1	0	0	2	2	1	0	0	0	0	0	2	0	0	2	1	0.69	0.14
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)																			
Bare Substrate (BARE)	0	3	3	3	2	1	5	2	3	6	1	2	1	2	5	2	0	2.56	0.27
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Crustose Coralline Algae (CCA)	0	3	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0.44	0.15
Fine Turf (FINE)	9	5	10	3	1	0	0	8	3	6	2	0	4	3	3	0	5	3.31	0.49
Substrate Rubble (RUB)	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.04
SAND (SAND)																			
Sand (SAND)	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.13	0.06
TAPE, WAND, SHADOW (TWS)																			
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
No Data (N/D)	0	0	0	3	0	1	1	3	1	0	1	1	0	4	0	1	1	1.06	0.20
Shadow (SHADOW)	4	14	8	7	3	4	6	8	11	5	2	1	8	6	5	1	7	6.00	0.58
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tape (TAPE)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.06	0.04
Wand (WAND)	1	1	1	2	0	2	1	2	2	3	5	1	0	1	1	1	0	1.44	0.21
NOTES (occurring in transect)																			
Bleached Coral (BL)	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.06
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0.25	0.13
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	717	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP	MEAN	STD ER
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.06	0.04
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.13	0.08
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	0.31	0.13
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)																			
Bleached Coral (BL)	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.06
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0.25	0.13
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.06	0.04
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.13	0.08
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	0.31	0.13
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

8.4. Repetitive Quadrat Diversity Measures from 2012 at EFGB

TRANSECT NAME	1	2	3	4	5	10	16	20	21	23	27	29	30	32	58	67	185	501	708	715	717
Shannon-Weaver Index	**1.03**	**0.92**	**0.93**	**0.94**	**0.84**	**0.96**	**0.75**	**0.61**	**0.79**	**0.66**	**0.68**	**0.94**	**0.96**	**0.81**	**0.69**	**0.87**	**1.01**	**1.08**	**1.06**	**0.51**	**0.79**
CORAL (C)	0.35	0.31	0.30	0.31	0.30	0.29	0.21	0.17	0.29	0.17	0.21	0.33	0.33	0.25	0.20	0.28	0.33	0.32	0.29	0.13	0.23
SPONGE (SP)	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
MACROALGAE (M)	0.37	0.36	0.28	0.28	0.36	0.31	0.29	0.28	0.36	0.24	0.31	0.37	0.37	0.32	0.26	0.34	0.36	0.36	0.20	0.21	0.27
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.00	0.08	0.00	0.05	0.08	0.00	0.00	0.00	0.05	0.00	0.16	0.00	0.05
SUBSTRATE (SUB)	0.32	0.25	0.30	0.30	0.18	0.31	0.20	0.08	0.14	0.17	0.17	0.19	0.19	0.24	0.23	0.25	0.26	0.20	0.32	0.16	0.25
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
Simpson Index of Diversity	**0.62**	**0.56**	**0.52**	**0.52**	**0.51**	**0.54**	**0.40**	**0.32**	**0.49**	**0.32**	**0.38**	**0.56**	**0.56**	**0.47**	**0.37**	**0.51**	**0.59**	**0.58**	**0.54**	**0.25**	**0.42**
CORAL (C)	0.24	0.34	0.03	0.03	0.38	0.39	0.57	0.66	0.40	0.66	0.58	0.30	0.31	0.49	0.60	0.42	0.29	0.32	0.41	0.73	0.54
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.11	0.09	0.42	0.42	0.10	0.03	0.02	0.02	0.10	0.01	0.03	0.13	0.12	0.04	0.02	0.05	0.10	0.10	0.01	0.01	0.02
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.04	0.01	0.03	0.03	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.04	0.00	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.4. Repetitive Quadrat Diversity Measures from 2012 at EFGB, cont.

TRANSECT NAME	724	725	726	731	733	739	740	751	755	756	757	761	764	765	766	SWP
Shannon-Weaver Index	**0.93**	**0.93**	**0.91**	**0.60**	**0.37**	**0.91**	**1.01**	**0.85**	**1.07**	**0.75**	**0.52**	**1.01**	**0.83**	**0.89**	**0.59**	**0.78**
CORAL (C)	0.28	0.26	0.31	0.15	0.08	0.29	0.37	0.24	0.36	0.27	0.14	0.31	0.37	0.31	0.16	0.24
SPONGE (SP)	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.12	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.33	0.28	0.37	0.23	0.16	0.36	0.34	0.31	0.37	0.36	0.25	0.36	0.30	0.37	0.27	0.33
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.05	0.00	0.05	0.08	0.08	0.05	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08	0.05
SUBSTRATE (SUB)	0.26	0.29	0.18	0.13	0.05	0.16	0.25	0.19	0.27	0.11	0.13	0.18	0.16	0.21	0.08	0.16
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simpson Index of Diversity	**0.52**	**0.49**	**0.54**	**0.29**	**0.16**	**0.51**	**0.59**	**0.45**	**0.62**	**0.47**	**0.27**	**0.55**	**0.52**	**0.54**	**0.30**	**0.44**
CORAL (C)	0.42	0.46	0.35	0.70	0.84	0.40	0.13	0.52	0.22	0.44	0.71	0.36	0.11	0.34	0.68	0.51
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.04	0.02	0.11	0.01	0.00	0.09	0.27	0.03	0.14	0.09	0.01	0.09	0.37	0.11	0.02	0.05
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.02	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.5. Repetitive Quadrat Percent Cover Data from 2011 at WFGB

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Total points (minus tape+ wand+ shadow)	**91**	**82**	**88**	**83**	**90**	**77**	**96**	**92**	**87**	**83**	**96**	**89**	**88**	**89**	**90**	**77**	**93**	**93**	**97**
MAJOR CATEGORY (% of transect)																			
CORAL	42.86	41.46	60.23	63.86	81.11	49.35	84.38	63.04	73.56	74.70	44.79	59.55	85.23	82.02	73.33	87.01	68.82	55.91	64.95
SPONGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE	34.07	31.71	27.27	25.30	11.11	32.47	9.38	23.91	11.49	6.02	5.21	21.35	6.82	10.11	18.89	9.09	8.60	9.68	23.71
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	1.10	0.00	0.00	0.00	0.00	1.30	0.00	1.09	0.00	1.20	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	1.03
SUBSTRATE	21.98	26.83	12.50	10.84	6.67	16.88	6.25	11.96	14.94	18.07	8.33	17.98	5.68	7.87	7.78	3.90	22.58	27.96	10.31
SAND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.67	0.00	1.14	0.00	0.00	0.00	0.00	6.45	0.00
TAPE, WAND, SHADOW	9.00	18.00	12.00	17.00	10.00	23.00	4.00	8.00	13.00	17.00	4.00	11.00	12.00	11.00	10.00	23.00	7.00	7.00	3.00
Sum (excluding tape+ shadow+wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SUBCATEGORIES (% of transect)																			
CORAL (C)																			
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	1.10	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	0.00	0.00	0.00	0.00	0.00	0.00	1.04	1.09	3.45	1.20	0.00	3.37	0.00	0.00	4.44	0.00	0.00	0.00	0.00
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	5.49	1.22	0.00	12.05	3.33	1.30	19.79	5.43	12.64	0.00	9.38	1.12	36.36	4.49	0.00	22.08	4.30	12.90	8.25
Eusmilia sp (EUSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	1.15	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MOAN)	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.48	0.00	0.00	0.00	0.00	0.00	2.60	4.30	0.00	0.00
Montastraea annularis species complex (MASC)	0.00	30.49	2.27	10.84	60.00	9.09	2.08	3.26	0.00	0.00	0.00	2.25	0.00	56.18	2.22	6.49	2.15	0.00	17.53
Montastraea cavernosa (MOCA)	5.49	0.00	7.95	9.64	1.11	19.48	0.00	6.52	1.15	1.20	0.00	5.62	2.27	1.12	34.44	0.00	0.00	0.00	0.00
Montastraea faveolata (MOFA)	0.00	0.00	0.00	0.00	0.00	0.00	19.79	0.00	0.00	0.00	0.00	0.00	0.00	7.87	0.00	0.00	0.00	0.00	0.00
Montastraea franksi (MOFR)	23.08	4.88	39.77	28.92	15.56	0.00	41.67	45.65	35.63	40.96	35.42	42.70	40.91	2.25	27.78	49.35	44.09	41.94	28.87
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Porites astereoides (POAS)	4.40	3.66	7.95	2.41	1.11	10.39	0.00	1.09	17.24	4.82	0.00	1.12	3.41	4.49	3.33	5.19	9.68	0.00	8.25
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	1.10	0.00	0.00	0.00	0.00	7.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	3.23	0.00	2.06
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	4.82	0.00	3.37	0.00	5.62	0.00	1.30	0.00	1.08	0.00
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																			
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)																			
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																			
Algae (ALGAE)	9.89	14.63	9.09	9.64	5.56	14.29	4.17	6.52	2.30	3.61	1.04	3.37	6.82	4.49	7.78	3.90	2.15	4.30	8.25
Dictyota sp. (DICT)	13.19	0.00	1.14	1.20	1.11	5.19	0.00	2.17	0.00	0.00	0.00	1.12	0.00	0.00	1.11	0.00	1.08	1.08	2.06
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	10.99	9.76	14.77	14.46	4.44	11.69	3.13	15.22	5.75	0.00	3.13	14.61	0.00	4.49	7.78	3.90	3.23	1.08	12.37
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Turf Algae Matrix (TURF)	0.00	7.32	2.27	0.00	0.00	1.30	2.08	0.00	3.45	0.00	1.04	2.25	0.00	1.12	2.22	1.30	2.15	3.23	1.03
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																			
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																			
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Invertebrate (INVERT)	0.00	0.00	0.00	0.00	0.00	1.30	0.00	1.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	1.03
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																			
Bare Substrate (BARE)	14.29	10.98	4.55	7.23	3.33	6.49	4.17	8.70	8.05	10.84	4.17	14.61	3.41	5.62	4.44	1.30	16.13	5.38	6.19
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.43	0.00
Crustose Coralline Algae (CCA)	3.30	2.44	2.27	0.00	1.11	1.30	1.04	3.26	0.00	0.00	2.08	1.12	0.00	1.12	2.22	0.00	1.08	0.00	4.12
Fine Turf (FINE)	4.40	13.41	5.68	3.61	2.22	9.09	1.04	0.00	6.90	7.23	2.08	2.25	2.27	1.12	1.11	2.60	5.38	2.15	0.00
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)																			
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.67	0.00	1.14	0.00	0.00	0.00	0.00	6.45	0.00
TAPE, WAND, SHADOW (TWS)																			
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	8.00	15.00	12.00	14.00	10.00	22.00	2.00	5.00	13.00	14.00	3.00	10.00	12.00	9.00	8.00	21.00	7.00	7.00	2.00
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	1.00	2.00	0.00	3.00	0.00	1.00	2.00	2.00	0.00	3.00	1.00	0.00	0.00	2.00	2.00	2.00	0.00	0.00	1.00
NOTES (% of transect)																			
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	4.40	0.00	0.00	2.41	1.11	7.79	1.04	1.09	1.15	0.00	0.00	0.00	0.00	0.00	8.89	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																			
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	10.26	0.00	0.00	3.77	1.37	15.79	1.23	1.72	1.56	0.00	0.00	0.00	0.00	0.00	12.12	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																			
CORAL (C)	39	34	53	53	73	38	81	58	64	62	43	53	75	73	66	67	64	52	63
SPONGE (SP)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
ENCRUSTING SPONGE (SPE)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)	31	26	24	21	10	25	9	22	10	5	5	19	6	9	17	7	8	9	23
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)	1	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	1
SUBSTRATE (SUB)	20	22	11	9	6	13	6	11	13	15	8	16	5	7	7	3	21	26	10
SAND (SAND)	0	0	0	0	0	0	0	0	0	0	40	0	1	0	0	0	0	6	0
TAPE, WAND, SHADOW (TWS)	9	18	12	17	10	23	4	8	13	17	4	11	12	11	10	23	7	7	3
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
SUBCATEGORIES (occurring in transect)																			
CORAL (C)																			
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia natans (CONA)	0	0	0	0	0	0	1	1	3	1	0	3	0	0	4	0	0	0	0
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	5	1	0	10	3	1	19	5	11	0	9	1	32	4	0	17	4	12	8
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Montastraea annularis (MOAN)	0	1	0	0	0	0	0	0	0	17	0	0	0	0	0	2	4	0	0
Montastraea annularis species complex (MASC)	0	25	2	9	54	7	2	3	0	0	0	2	0	50	2	5	2	0	17
Montastraea cavernosa (MOCA)	5	0	7	8	1	15	0	6	1	1	0	5	2	1	31	0	0	0	0
Montastraea faveolata (MOFA)	0	0	0	0	0	0	19	0	0	0	0	0	0	7	0	0	0	0	0
Montastraea franksi (MOFR)	21	4	35	24	14	0	40	42	31	34	34	38	36	2	25	38	41	39	28
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	4	3	7	2	1	8	0	1	15	4	0	1	3	4	3	4	9	0	8
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Stephanocoenia intersepta (STIN)	1	0	0	0	0	6	0	0	0	0	0	0	0	0	1	0	3	0	2
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	2	0	0	0	0	0	0	0	2	4	0	3	0	5	0	1	0	1	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																			
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)																			
Encructing sponge (ENCRUST)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																			
Algae (ALGAE)	9	12	8	8	5	11	4	6	2	3	1	3	6	4	7	3	2	4	8
Dictyota sp. (DICT)	12	0	1	1	1	4	0	2	0	0	0	1	0	0	1	0	1	1	2
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	10	8	13	12	4	9	3	14	5	0	3	13	0	4	7	3	3	1	12
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	0	6	2	0	0	1	2	0	3	0	1	2	0	1	2	1	2	3	1
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																			

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																			
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Invertebrate (INVERT)	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	1
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																			
Bare Substrate (BARE)	13	9	4	6	3	5	4	8	7	9	4	13	3	5	4	1	15	5	6
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0
Crustose Coralline Algae (CCA)	3	2	2	0	1	1	1	3	0	0	2	1	0	1	2	0	1	0	4
Fine Turf (FINE)	4	11	5	3	2	7	1	0	6	6	2	2	2	1	1	2	5	2	0
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																			
Sand (SAND)	0	0	0	0	0	0	0	0	0	0	40	0	1	0	0	0	0	6	0
TAPE, WAND, SHADOW (TWS)																			
Diver (DIVER)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
No Data (N/D)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shadow (SHADOW)	8	15	12	14	10	22	2	5	13	14	3	10	12	9	8	21	7	7	2
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	1	2	0	3	0	1	2	2	0	3	1	0	0	2	2	2	0	0	1
NOTES (occurring in transect)																			
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	4	0	0	2	1	6	1	1	1	0	0	0	0	0	8	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (occurring in coral)																			
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	4	0	0	2	1	6	1	1	1	0	0	0	0	0	8	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8.5. Repetitive Quadrat Percent Cover Data from 2011 at WFGB, Cont.

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+ wand+ shadow)	**90**	**94**	**95**	**93**	**95**	**95**	**95**	**96**	**99**	**90**	**92**	**95**	**93**	**91**	**78**	**91**	**92**	**88**	**91**		
MAJOR CATEGORY (% of transect)																					
CORAL	57	41	83	65	59	65	41	68	69	80	35	35	66	82	56	73	54	64	77	62	2
SPONGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE	23	39	9	28	33	20	37	26	24	6	50	28	24	7	17	9	30	26	15	24	2
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
SUBSTRATE	20	19	7	8	8	15	21	4	7	14	15	35	10	11	23	19	15	10	8	13	1
SAND	0	0	0	0	0	0	0	2	0	0	0	2	0	0	3	0	0	0	0	0	0
TAPE, WAND, SHADOW	10	6	5	7	5	5	5	4	1	10	8	5	7	9	22	9	8	12	9	8	1
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUB CATEGORIES (% of transect)																					
CORAL (C)																					
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia natans (CONA)	0	0	0	13	13	0	0	0	0	0	0	0	2	1	1	0	3	0	0	2	1
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	3	9	25	5	3	4	11	38	28	24	7	3	3	3	8	2	4	3	9	12	2
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	0	0	0	2	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0	0	15	1	25	0	0	0	0	1	2	1
Montastraea annularis species complex (MASC)	0	1	7	3	3	1	5	0	1	0	7	0	43	0	21	3	11	5	0	6	2
Montastraea cavernosa (MOCA)	0	0	1	0	0	0	5	0	7	10	0	0	0	0	1	8	3	1	0	2	1
Montastraea faveolata (MOFA)	0	0	22	0	24	1	0	0	0	0	14	0	1	42	0	0	0	0	4	6	2
Montastraea franksi (MOFR)	48	28	26	31	16	56	7	26	11	38	0	7	5	8	19	49	24	49	60	26	3
Mussa angulosa (MUAN)	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	3	3	0	6	0	1	8	4	4	7	5	6	3	1	3	10	7	2	1	4	1
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	17	0	0	0	3	0	0	0	2	0	0	1	1
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	1	0
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	2	1	1	2	0	0	0	0	0	1	0	0	2	0	3	0	0	1	1	1	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																					
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)																					
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																					
Algae (ALGAE)	12	20	5	20	14	12	14	13	18	4	7	23	10	3	3	3	21	13	5	11	1

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Dictyota sp. (DICT)	1	3	0	0	8	0	2	1	0	0	0	0	0	1	1	0	0	3	0	1	0
Filamentous Algae (F ALG)	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	9	13	2	4	11	5	19	7	5	0	36	2	11	0	8	4	10	8	9	9	1
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	1	3	2	3	0	3	1	5	1	1	7	3	3	2	5	1	0	2	1	2	0
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																					
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																					
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Invertebrate (INVERT)	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																					
Bare Substrate (BARE)	12	6	4	4	6	4	6	1	3	3	9	15	8	5	15	12	8	8	5	7	1
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crustose Coralline Algae (CCA)	3	12	2	3	2	11	13	2	4	11	7	13	0	0	0	0	3	1	2	4	1
Fine Turf (FINE)	4	1	1	0	0	0	2	1	0	0	0	7	2	5	8	7	4	1	0	2	0
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																					
Sand (SAND)	0	0	0	0	0	0	0	2	0	0	0	2	0	0	3	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)																					

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Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Shadow (SHADOW)	9	6	5	3	2	5	4	2	0	7	4	4	7	8	20	9	7	12	7	7	1
Tag (TAG)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	1	0	0	3	3	0	1	2	1	3	4	1	0	1	1	0	1	0	2	1	0
NOTES (% of transect)																					
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (% of coral)																					
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAJOR CATEGORY (occurring in transect)																					
CORAL (C)	51	39	79	60	56	62	39	65	68	72	32	33	61	75	44	66	50	56	70	57	2
SPONGE (SP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)	21	37	9	26	31	19	35	25	24	5	46	27	22	6	13	8	28	23	14	22	2
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
SUBSTRATE (SUB)	18	18	7	7	8	14	20	4	7	13	14	33	9	10	18	17	14	9	7	12	1
SAND (SAND)	0	0	0	0	0	0	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)	10	6	5	7	5	5	5	4	1	10	8	5	7	9	22	9	8	12	9	8	1
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUB CATEGORIES (occurring in transect)																					
CORAL (C)																					
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Colpophyllia natans (CONA)	0	0	0	12	12	0	0	0	0	0	0	0	2	1	1	0	3	0	0	2	1
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	3	8	24	5	3	4	10	36	28	22	6	3	3	3	6	2	4	3	8	11	2
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	0	0	0	2	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0	0	14	1	23	0	0	0	0	1	2	1
Montastraea annularis species complex (MASC)	0	1	7	3	3	1	5	0	1	0	6	0	40	0	16	3	10	4	0	5	1
Montastraea cavernosa (MOCA)	0	0	1	0	0	0	5	0	7	9	0	0	0	0	1	7	3	1	0	2	0
Montastraea faveolata (MOFA)	0	0	21	0	23	1	0	0	0	0	13	0	1	38	0	0	0	0	4	5	2
Montastraea franksi (MOFR)	43	26	25	29	15	53	7	25	11	34	0	7	5	7	15	45	22	43	55	23	3
Mussa angulosa (MUAN)	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	3	3	0	6	0	1	8	4	4	6	5	6	3	1	2	9	6	2	1	4	0
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	17	0	0	0	3	0	0	0	2	0	0	1	1
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	1	0
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	2	1	1	2	0	0	0	0	0	1	0	0	2	0	2	0	0	1	1	1	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																					
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)																					
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																					
Algae (ALGAE)	11	19	5	19	13	11	13	12	18	4	6	22	9	3	2	3	19	11	5	10	1
Dictyota sp. (DICT)	1	3	0	0	8	0	2	1	0	0	0	0	0	1	1	0	0	3	0	1	0
Filamentous Algae (F ALG)	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Lobophora variegata (LOVA)	8	12	2	4	10	5	18	7	5	0	33	2	10	0	6	4	9	7	8	8	1
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	1	3	2	3	0	3	1	5	1	1	6	3	3	2	4	1	0	2	1	2	0
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																					
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																					
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Invertebrate (INVERT)	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																					
Bare Substrate (BARE)	11	6	4	4	6	4	6	1	3	3	8	14	7	5	12	11	7	7	5	6	1
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crustose Coralline Algae (CCA)	3	11	2	3	2	10	12	2	4	10	6	12	0	0	0	0	3	1	2	4	1
Fine Turf (FINE)	4	1	1	0	0	0	2	1	0	0	0	7	2	5	6	6	4	1	0	2	0
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																					
Sand (SAND)	0	0	0	0	0	0	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)																					
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
No Data (N/D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Shadow (SHADOW)	9	6	5	3	2	5	4	2	0	7	4	4	7	8	20	9	7	12	7	7	1
Tag (TAG)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	1	0	0	3	3	0	1	2	1	3	4	1	0	1	1	0	1	0	2	1	0
NOTES (occurring in transect)																					
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (occurring in coral)																					
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8.6. REPETITIVE QUADRAT DIVERSITY MEASURES FROM 2011 AT WFGB

TRANSECT NAME	18	41	42	44	45	49	51	53	54	61	72	73	91	93	125	822	824	839	844	847	848
Shannon-Weaver Index	**1.11**	**1.08**	**0.92**	**0.88**	**0.64**	**1.07**	**0.54**	**0.94**	**0.76**	**0.75**	**1.09**	**1.00**	**0.58**	**0.59**	**0.74**	**0.47**	**0.80**	**1.08**	**0.90**	**0.98**	**1.05**
CORAL (C)	0.36	0.37	0.31	0.29	0.17	0.35	0.14	0.29	0.23	0.22	0.36	0.31	0.14	0.16	0.23	0.12	0.26	0.33	0.28	0.32	0.36
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.37	0.36	0.35	0.35	0.24	0.37	0.22	0.34	0.25	0.17	0.15	0.33	0.18	0.23	0.31	0.22	0.21	0.23	0.34	0.34	0.37
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
SUBSTRATE (SUB)	0.33	0.35	0.26	0.24	0.18	0.30	0.17	0.25	0.28	0.31	0.21	0.31	0.16	0.20	0.20	0.13	0.34	0.36	0.23	0.32	0.32
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.05	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
Simpson Index of Diversity	**0.65**	**0.66**	**0.55**	**0.52**	**0.33**	**0.62**	**0.28**	**0.53**	**0.42**	**0.41**	**0.62**	**0.57**	**0.27**	**0.31**	**0.42**	**0.23**	**0.47**	**0.60**	**0.51**	**0.58**	**0.64**
CORAL (C)	0.18	0.17	0.36	0.41	0.66	0.24	0.71	0.40	0.54	0.56	0.20	0.35	0.73	0.67	0.54	0.76	0.47	0.31	0.42	0.32	0.17
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.12	0.10	0.07	0.06	0.01	0.11	0.01	0.06	0.01	0.00	0.00	0.05	0.00	0.01	0.04	0.01	0.01	0.01	0.06	0.05	0.15
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.05	0.07	0.02	0.01	0.00	0.03	0.00	0.01	0.02	0.03	0.01	0.03	0.00	0.01	0.01	0.00	0.05	0.08	0.01	0.04	0.04
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.6. REPETITIVE QUADRAT DIVERSITY MEASURES FROM 2011 AT WFGB, CONT.

TRANSECT NAME	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879
Shannon-Weaver Index	**0.57**	**0.83**	**0.89**	**0.88**	**1.11**	**0.83**	**0.79**	**0.62**	**1.00**	**1.17**	**0.89**	**0.58**	**1.11**	**0.76**	**0.98**	**0.87**	**0.69**
CORAL (C)	0.15	0.28	0.31	0.28	0.37	0.26	0.26	0.18	0.37	0.37	0.28	0.16	0.32	0.23	0.33	0.29	0.20
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.22	0.36	0.37	0.32	0.37	0.35	0.34	0.16	0.35	0.36	0.34	0.18	0.30	0.21	0.36	0.35	0.29
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.06	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.19	0.19	0.21	0.28	0.33	0.13	0.19	0.28	0.29	0.37	0.23	0.24	0.34	0.31	0.29	0.23	0.20
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.09	0.00	0.00	0.00	0.00
Simpson Index of Diversity	**0.29**	**0.50**	**0.54**	**0.51**	**0.65**	**0.47**	**0.46**	**0.34**	**0.61**	**0.68**	**0.50**	**0.30**	**0.60**	**0.43**	**0.59**	**0.52**	**0.38**
CORAL (C)	0.69	0.42	0.35	0.43	0.17	0.46	0.47	0.64	0.12	0.12	0.43	0.68	0.32	0.53	0.30	0.40	0.59
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.01	0.08	0.11	0.04	0.14	0.07	0.06	0.00	0.25	0.08	0.06	0.00	0.03	0.01	0.09	0.07	0.02
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.01	0.01	0.02	0.04	0.00	0.00	0.02	0.02	0.12	0.01	0.01	0.05	0.03	0.02	0.01	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.7. Repetitive Quadrat Percent Cover Data from 2012 at WFGB

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Total points (minus tape+wand+shadow)	**91**	**86**	**89**	**94**	**94**	**94**	**92**	**96**	**91**	**87**	**90**	**99**	**92**	**85**	**83**	**91**	**92**	**91**	**94**	**90**
MAJOR CATEGORY (% of transect)																				
CORAL	35.16	50.00	42.70	43.62	78.72	52.13	54.35	80.21	67.03	66.67	74.44	48.48	69.57	76.47	80.72	72.53	60.87	67.03	70.21	57.78
SPONGE	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE	51.65	25.58	39.33	36.17	14.89	40.43	39.13	14.58	27.47	20.69	10.00	10.10	13.04	15.29	10.84	14.29	33.70	25.27	14.89	12.22
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	1.10	0.00	1.12	1.06	1.06	0.00	0.00	1.04	1.10	0.00	0.00	1.01	0.00	1.18	1.20	0.00	0.00	0.00	0.00	0.00
SUBSTRATE	12.09	23.26	16.85	19.15	5.32	7.45	6.52	4.17	4.40	11.49	15.56	4.04	17.39	5.88	7.23	13.19	5.43	7.69	14.89	30.00
SAND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.36	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW	9.00	14.00	11.00	6.00	6.00	6.00	8.00	4.00	9.00	13.00	10.00	1.00	8.00	15.00	17.00	9.00	8.00	9.00	6.00	10.00
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SUB CATEGORIES (% of transect)																				
CORAL (C)																				
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Colpophyllia natans (CONA)	0.00	0.00	0.00	0.00	1.06	0.00	0.00	1.04	2.20	6.90	1.11	0.00	2.17	2.35	1.20	9.89	1.09	0.00	1.06	12.22
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	4.40	0.00	0.00	11.70	6.38	13.83	4.35	10.42	8.79	18.39	0.00	8.08	7.61	29.41	3.61	0.00	2.17	15.38	4.26	0.00
Eusmilia sp (EUSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MOAN)	0.00	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78	1.01	0.00	1.18	6.02	0.00	0.00	3.30	5.32	0.00
Montastraea annularis species complex (MASC)	3.30	33.72	0.00	0.00	46.81	4.26	6.52	17.71	0.00	1.15	0.00	1.01	2.17	0.00	6.02	5.49	4.35	0.00	0.00	0.00
Montastraea cavernosa (MOCA)	9.89	0.00	1.12	1.06	0.00	7.45	25.00	0.00	17.58	0.00	1.11	1.01	8.70	3.53	1.20	21.98	0.00	0.00	0.00	0.00
Montastraea faveolata (MOFA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	1.10	31.52	0.00	0.00	0.00
Montastraea franksi (MOFR)	10.99	4.65	33.71	18.09	18.09	21.28	8.70	50.00	37.36	19.54	28.89	33.33	44.57	36.47	56.63	25.27	20.65	42.86	52.13	44.44
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	3.30	6.98	7.87	6.38	2.13	3.19	2.17	1.04	0.00	5.75	0.00	0.00	1.09	1.18	2.41	5.49	1.09	4.40	2.13	1.11
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	1.10	0.00	0.00	4.26	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	2.13	0.00
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	2.20	2.33	0.00	2.13	3.19	2.13	0.00	0.00	1.10	13.79	2.22	3.03	2.17	2.35	1.20	2.20	0.00	0.00	1.06	0.00
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)																				
Agelas clathrodes (AGCL)	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)																				
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)																				
Algae (ALGAE)	20.88	13.95	17.98	19.15	5.32	21.28	16.30	0.00	14.29	12.64	6.67	7.07	8.70	10.59	3.61	5.49	26.09	9.89	3.19	4.44
Dictyota sp. (DICT)	8.79	0.00	1.12	5.32	1.06	2.13	4.35	4.17	4.40	0.00	1.11	1.01	0.00	0.00	0.00	2.20	0.00	0.00	1.06	4.44
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	19.78	1.16	19.10	6.38	7.45	17.02	10.87	3.13	6.59	4.60	0.00	2.02	1.09	2.35	4.82	5.49	3.26	10.99	5.32	0.00
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	2.20	10.47	1.12	5.32	1.06	0.00	7.61	7.29	2.20	3.45	2.22	0.00	3.26	2.35	2.41	1.10	4.35	4.40	5.32	3.33
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)																				
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)																				
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.00	1.06	0.00	0.00	1.04	1.10	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Invertebrate (INVERT)	1.10	0.00	1.12	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.20	0.00	0.00	0.00	0.00	0.00
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)																				
Bare Substrate (BARE)	4.40	11.63	4.49	11.70	5.32	4.26	4.35	0.00	0.00	3.45	7.78	2.02	7.61	0.00	6.02	7.69	3.26	2.20	3.19	5.56
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.33
Crustose Coralline Algae (CCA)	0.00	1.16	0.00	0.00	0.00	0.00	1.09	0.00	4.40	1.15	0.00	1.01	2.17	1.18	1.20	1.10	1.09	0.00	0.00	0.00
Fine Turf (FINE)	7.69	10.47	12.36	7.45	0.00	3.19	1.09	4.17	0.00	6.90	6.67	1.01	7.61	4.71	0.00	4.40	1.09	5.49	11.70	1.11
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
SAND (SAND)																				
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.36	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)																				
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	1.00	3.00	0.00	2.00	1.00	0.00	2.00	1.00	1.00	0.00	0.00
Shadow (SHADOW)	9.00	14.00	9.00	5.00	5.00	6.00	4.00	3.00	7.00	11.00	4.00	0.00	4.00	12.00	16.00	6.00	7.00	8.00	4.00	6.00
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	2.00	1.00	3.00	1.00	2.00	2.00	1.00	1.00	0.00	0.00	2.00	4.00
NOTES (% of transect)																				
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	1.16	0.00	0.00	0.00	0.00	1.09	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)																				
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	2.33	0.00	0.00	0.00	0.00	2.00	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)																				
CORAL (C)	32	43	38	41	74	49	50	77	61	58	67	48	64	65	67	66	56	61	66	52
SPONGE (SP)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)	47	22	35	34	14	38	36	14	25	18	9	10	12	13	9	13	31	23	14	11
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)	1	0	1	1	1	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0
SUBSTRATE (SUB)	11	20	15	18	5	7	6	4	4	10	14	4	16	5	6	12	5	7	14	27
SAND (SAND)	0	0	0	0	0	0	0	0	0	0	0	36	0	1	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)	9	14	11	6	6	6	8	4	9	13	10	1	8	15	17	9	8	9	6	10
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
SUBCATEGORIES (occurring in transect)																				
CORAL (C)																				
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Colpophyllia natans (CONA)	0	0	0	0	1	0	0	1	2	6	1	0	2	2	1	9	1	0	1	11
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	4	0	0	11	6	13	4	10	8	16	0	8	7	25	3	0	2	14	4	0
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Montastraea annularis (MOAN)	0	2	0	0	0	0	0	0	0	0	34	1	0	1	5	0	0	3	5	0
Montastraea annularis species complex (MASC)	3	29	0	0	44	4	6	17	0	1	0	1	2	0	5	5	4	0	0	0
Montastraea cavernosa (MOCA)	9	0	1	1	0	7	23	0	16	0	1	1	8	3	1	20	0	0	0	0
Montastraea faveolata (MOFA)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	29	0	0	0
Montastraea franksi (MOFR)	10	4	30	17	17	20	8	48	34	17	26	33	41	31	47	23	19	39	49	40
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	3	6	7	6	2	3	2	1	0	5	0	0	1	1	2	5	1	4	2	1
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	1	0	0	4	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	2	2	0	2	3	2	0	0	1	12	2	3	2	2	1	2	0	0	1	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																				
Agelas clathrodes (AGCL)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENCRUSTING SPONGE (SPE)																				
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																				
Algae (ALGAE)	19	12	16	18	5	20	15	0	13	11	6	7	8	9	3	5	24	9	3	4
Dictyota sp. (DICT)	8	0	1	5	1	2	4	4	4	0	1	1	0	0	0	2	0	0	1	4
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	18	1	17	6	7	16	10	3	6	4	0	2	1	2	4	5	3	10	5	0
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	2	9	1	5	1	0	7	7	2	3	2	0	3	2	2	1	4	4	5	3
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																				
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																				
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0
Invertebrate (INVERT)	1	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																				
Bare Substrate (BARE)	4	10	4	11	5	4	4	0	0	3	7	2	7	0	5	7	3	2	3	5
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Crustose Coralline Algae (CCA)	0	1	0	0	0	0	1	0	4	1	0	1	2	1	1	1	1	0	0	0
Fine Turf (FINE)	7	9	11	7	0	3	1	4	0	6	6	1	7	4	0	4	1	5	11	1
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
SAND (SAND)																				
Sand (SAND)	0	0	0	0	0	0	0	0	0	0	0	36	0	1	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)																				
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Data (N/D)	0	0	2	0	1	0	3	0	0	1	3	0	2	1	0	2	1	1	0	0
Shadow (SHADOW)	9	14	9	5	5	6	4	3	7	11	4	0	4	12	16	6	7	8	4	6
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	0	0	0	1	0	0	1	1	2	1	3	1	2	2	1	1	0	0	2	4
NOTES (occurring in transect)																				
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	1	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	1	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (occurring in coral)																				
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	1	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	1	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839
Other Disease (OD)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8.7. Repetitive Quadrat Percent Cover Data from 2012 at WFGB, Cont.

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+ wand+ shadow)	**91**	**91**	**94**	**96**	**94**	**91**	**86**	**87**	**90**	**93**	**88**	**87**	**90**	**71**	**88**	**88**	**95**	**94**	**94**	**88**		
MAJOR CATEGORY (% of transect)																						
CORAL	73	62	47	82	72	63	69	48	67	77	75	31	46	76	69	59	71	49	73	80	64	2
SPONGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0
ENCRUSTING SPONGE	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
MACROALGAE	22	25	41	9	23	26	20	26	18	9	10	49	20	17	16	26	12	36	22	11	22	2
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	1	0	0	1	0	0	0	2	1	1	0	2	0	0	2	0	0	1	0
SUBSTRATE	5	13	12	7	3	11	10	25	13	14	13	16	33	7	13	14	17	10	4	9	13	1
SAND	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0
TAPE, WAND, SHADOW	9	9	6	4	6	9	14	13	10	7	12	13	10	29	12	12	5	6	6	12	11	1
Sum (excluding tape+ shadow+ wand)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
SUB CATEGORIES (% of transect)																						

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
CORAL (C)																						
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia natans (CONA)	7	0	2	0	21	12	1	0	1	5	9	6	0	8	3	5	1	5	0	0	4	1
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	0	5	6	40	10	3	2	23	31	16	10	2	7	0	0	7	1	2	7	14	10	2
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Millepora alcicornis (MIAL)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	0	0
Montastraea annularis (MOAN)	0	0	0	1	0	0	0	0	0	0	0	0	9	0	19	22	0	0	0	0	3	1
Montastraea annularis species complex (MASC)	26	3	1	2	2	15	0	0	1	1	0	8	0	44	33	0	1	13	2	5	7	2
Montastraea cavernosa (MOCA)	0	0	0	0	0	0	1	5	0	10	5	0	1	0	2	3	7	2	1	0	2	0
Montastraea faveolata (MOFA)	0	0	0	21	0	0	1	3	0	0	0	0	0	3	0	0	7	1	0	0	2	1
Montastraea franksi (MOFR)	33	45	31	18	34	30	55	5	28	9	47	3	21	11	10	18	44	18	56	57	28	3
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	4	7	6	1	4	2	6	6	4	2	1	10	3	10	1	1	5	4	3	1	5	0
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	2	1
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	2	1	0	0	1	0	1	0	1	0	3	0	3	0	0	3	2	0	1	3	1	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																						
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
ENCRUSTING SPONGE (SPE)																						
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																						
Algae (ALGAE)	8	10	7	5	4	9	6	5	6	2	3	32	7	6	8	8	2	27	9	6	8	1
Dictyota sp. (DICT)	2	2	4	1	10	3	0	7	1	0	0	0	0	0	0	2	1	0	5	0	2	0
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	10	10	24	2	7	13	3	11	10	6	0	9	0	3	0	11	5	6	5	6	7	1
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	2	3	5	1	2	1	10	3	1	0	7	8	13	8	8	5	3	3	3	0	5	1
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																						

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																						
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0
Invertebrate (INVERT)	0	0	0	1	0	0	1	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																						
Bare Substrate (BARE)	2	9	10	5	2	1	5	5	1	3	6	6	11	7	7	6	8	1	1	6	5	0
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crustose Coralline Algae (CCA)	3	0	0	0	0	0	1	0	0	2	1	1	4	0	0	6	1	3	3	3	1	0
Fine Turf (FINE)	0	4	2	2	1	10	5	21	12	9	6	9	18	0	6	2	7	5	0	0	6	1
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																						
Sand (SAND)	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0
TAPE, WAND, SHADOW (TWS)																						
Diver (DIVER)	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Data (N/D)	1	1	0	0	0	0	0	0	1	0	1	2	1	1	1	0	0	0	0	2	1	0
Shadow (SHADOW)	5	5	6	3	3	6	13	12	5	6	9	7	8	26	8	10	5	5	6	9	8	1
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	3	3	0	1	1	3	1	1	3	1	2	4	1	1	3	2	0	1	0	1	2	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
NOTES (% of transect)																						
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (% of coral)																						
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAJOR CATEGORY (occurring in transect)																						
CORAL (C)	66	56	44	79	68	57	59	42	60	72	66	27	41	54	61	52	67	46	69	70	57	2
SPONGE (SP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
MACROALGAE (M)	20	23	39	9	22	24	17	23	16	8	9	43	18	12	14	23	11	34	21	10	19	2
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)	0	0	0	1	0	0	1	0	0	0	2	1	1	0	2	0	0	2	0	0	1	0
SUBSTRATE (SUB)	5	12	11	7	3	10	9	22	12	13	11	14	30	5	11	12	16	9	4	8	11	1
SAND (SAND)	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)	9	9	6	4	6	9	14	13	10	7	12	13	10	29	12	12	5	6	6	12	11	1
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUB CATEGORIES (occurring in transect)																						
CORAL (C)																						
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Agaricia fragilis (AGFR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colpophyllia natans (CONA)	6	0	2	0	20	11	1	0	1	5	8	5	0	6	3	4	1	5	0	0	4	1
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diploria strigosa (DIST)	0	5	6	38	9	3	2	20	28	15	9	2	6	0	0	6	1	2	7	12	9	2
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis decactis (MADE)	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Millepora alcicornis (MIAL)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0	0	0
Montastraea annularis (MOAN)	0	0	0	1	0	0	0	0	0	0	0	0	8	0	17	19	0	0	0	0	2	1
Montastraea annularis species complex (MASC)	24	3	1	2	2	14	0	0	1	1	0	7	0	31	29	0	1	12	2	4	6	1
Montastraea cavernosa (MOCA)	0	0	0	0	0	0	1	4	0	9	4	0	1	0	2	3	7	2	1	0	2	0
Montastraea faveolata (MOFA)	0	0	0	20	0	0	1	3	0	0	0	0	0	2	0	0	7	1	0	0	2	1
Montastraea franksi (MOFR)	30	41	29	17	32	27	47	4	25	8	41	3	19	8	9	16	42	17	53	50	25	2
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Porites astereoides (POAS)	4	6	6	1	4	2	5	5	4	2	1	9	3	7	1	1	5	4	3	1	4	0
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	2	1
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephanocoenia intersepta (STIN)	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral I (C1)	2	1	0	0	1	0	1	0	1	0	3	0	3	0	0	3	2	0	1	3	1	0
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPONGE (SP)																						
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
ENCRUSTING SPONGE (SPE)																						
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MACROALGAE (M)																						

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Algae (ALGAE)	7	9	7	5	4	8	5	4	5	2	3	28	6	4	7	7	2	25	8	5	7	1
Dictyota sp. (DICT)	2	2	4	1	9	3	0	6	1	0	0	0	0	0	0	2	1	0	5	0	2	0
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobophora variegata (LOVA)	9	9	23	2	7	12	3	10	9	6	0	8	0	2	0	10	5	6	5	5	6	1
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turf Algae Matrix (TURF)	2	3	5	1	2	1	9	3	1	0	6	7	12	6	7	4	3	3	3	0	4	0
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN (U)																						
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER (O)																						
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0
Invertebrate (INVERT)	0	0	0	1	0	0	1	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTRATE (SUB)																						
Bare Substrate (BARE)	2	8	9	5	2	1	4	4	1	3	5	5	10	5	6	5	8	1	1	5	5	0
Coral Rubble (CRUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crustose Coralline Algae (CCA)	3	0	0	0	0	0	1	0	0	2	1	1	4	0	0	5	1	3	3	3	1	0
Fine Turf (FINE)	0	4	2	2	1	9	4	18	11	8	5	8	16	0	5	2	7	5	0	0	6	1
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAND (SAND)																						

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Sand (SAND)	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0
TAPE, WAND, SHADOW (TWS)																						
Diver (DIVER)	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Monofilament (MONO)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Data (N/D)	1	1	0	0	0	0	0	0	1	0	1	2	1	1	1	0	0	0	0	2	1	0
Shadow (SHADOW)	5	5	6	3	3	6	13	12	5	6	9	7	8	26	8	10	5	5	6	9	8	1
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tape (TAPE)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Wand (WAND)	3	3	0	1	1	3	1	1	3	1	2	4	1	1	3	2	0	1	0	1	2	0
NOTES (occurring in transect)																						
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOTES (occurring in coral)																						
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879	MEAN	STD ER
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8.8. REPETITIVE QUADRAT DIVERSITY MEASURES FROM 2012 AT WFGB

TRANSECT NAME	18	41	42	43	45	46	49	51	53	54	61	72	73	91	93	125	601	822	824	839	
Shannon-Weaver Index	**1.01**	**1.09**	**1.08**	**1.09**	**0.68**	**0.90**	**0.88**	**0.64**	**0.81**	**0.90**	**0.74**	**1.13**	**0.82**	**0.76**	**0.66**	**0.78**	**0.83**	**0.81**	**0.82**	**0.94**	**0.73**
CORAL (C)	0.37	0.35	0.36	0.36	0.19	0.34	0.33	0.18	0.27	0.27	0.22	0.35	0.25	0.21	0.17	0.23	0.30	0.27	0.25	0.32	0.23
SPONGE (SP)	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.34	0.35	0.37	0.37	0.28	0.37	0.37	0.28	0.35	0.33	0.23	0.23	0.27	0.29	0.24	0.28	0.37	0.35	0.28	0.26	0.33
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.05	0.00	0.05	0.05	0.05	0.00	0.00	0.05	0.05	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.26	0.34	0.30	0.32	0.16	0.19	0.18	0.13	0.14	0.25	0.29	0.13	0.30	0.17	0.19	0.27	0.16	0.20	0.28	0.36	0.16
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simpson Index of Diversity (1-D)	**0.59**	**0.63**	**0.63**	**0.64**	**0.36**	**0.56**	**0.55**	**0.33**	**0.47**	**0.50**	**0.41**	**0.62**	**0.47**	**0.39**	**0.33**	**0.44**	**0.51**	**0.48**	**0.46**	**0.56**	**0.42**
CORAL (C)	0.12	0.25	0.18	0.19	0.62	0.27	0.30	0.64	0.45	0.44	0.55	0.24	0.48	0.58	0.65	0.53	0.37	0.45	0.49	0.33	0.53
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.27	0.07	0.15	0.13	0.02	0.16	0.15	0.02	0.08	0.04	0.01	0.01	0.02	0.02	0.01	0.02	0.11	0.06	0.02	0.01	0.05
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.05	0.03	0.04	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.00	0.03	0.00	0.01	0.02	0.00	0.01	0.02	0.09	0.00
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.8. Repetitive Quadrat Diversity Measures from 2012 at WFGB, cont.

TRANSECT NAME	844	847	848	850	855	857	861	862	865	866	867	868	869	870	874	875	876	877	878	879
Shannon-Weaver Index	**0.91**	**0.97**	**0.62**	**0.73**	**0.89**	**0.87**	**1.05**	**0.93**	**0.68**	**0.79**	**1.14**	**1.10**	**0.70**	**0.89**	**0.98**	**0.84**	**1.13**	**0.70**	**0.65**	**1.05**
CORAL (C)	0.30	0.36	0.16	0.23	0.29	0.26	0.35	0.27	0.20	0.22	0.36	0.36	0.21	0.25	0.31	0.25	0.35	0.23	0.18	0.27
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.35	0.36	0.22	0.34	0.35	0.32	0.35	0.31	0.21	0.23	0.35	0.32	0.30	0.29	0.35	0.25	0.37	0.33	0.25	0.28
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.09	0.05	0.05	0.00	0.09	0.00	0.00	0.08	0.00	0.00	0.12
SUBSTRATE (SUB)	0.27	0.25	0.19	0.11	0.24	0.24	0.35	0.27	0.28	0.26	0.29	0.37	0.19	0.26	0.27	0.30	0.22	0.13	0.22	0.22
SAND (SAND)	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.17
Simpson Index of Diversity (1-D)	**0.54**	**0.60**	**0.31**	**0.42**	**0.53**	**0.48**	**0.63**	**0.51**	**0.37**	**0.41**	**0.63**	**0.64**	**0.39**	**0.48**	**0.56**	**0.46**	**0.62**	**0.41**	**0.35**	**0.52**
CORAL (C)	0.38	0.22	0.68	0.52	0.39	0.47	0.23	0.44	0.60	0.56	0.10	0.21	0.58	0.48	0.35	0.50	0.24	0.54	0.63	0.45
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.06	0.17	0.01	0.05	0.07	0.04	0.07	0.03	0.01	0.01	0.24	0.04	0.03	0.03	0.07	0.01	0.13	0.05	0.01	0.02
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.02	0.01	0.01	0.00	0.01	0.01	0.06	0.02	0.02	0.02	0.03	0.11	0.00	0.02	0.02	0.03	0.01	0.00	0.01	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.9. Repetitive Quadrat Percent Cover Data from 2011 at EFGB Deep Stations

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+wand+shadow)	**95**	**97**	**97**	**88**	**82**	**92**	**87**	**85**	**95**		
MAJOR CATEGORY (% of transect)											
CORAL	70.53	55.67	69.07	73.86	54.88	89.13	75.86	80.00	86.32	72.81	3.99
SPONGE	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.12	0.12
ENCRUSTING SPONGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE	16.84	39.18	22.68	20.45	39.02	5.43	18.39	17.65	6.32	20.66	4.00
UNKNOWN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	1.05	0.00	0.00	0.00	1.22	0.00	1.15	0.00	0.00	0.38	0.19
SUBSTRATE	11.58	5.15	8.25	5.68	4.88	4.35	3.45	2.35	4.21	5.54	0.93
SAND	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	3.16	0.48	0.36
TAPE, WAND, SHADOW	5.00	3.00	3.00	12.00	18.00	8.00	13.00	15.00	5.00	9.11	1.85
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
SUBCATEGORIES (% of transect)											
CORAL (C)											
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11
Agaricia sp (AGSP)	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	21.05	3.09	19.59	0.00	0.00	3.26	0.00	0.00	0.00	5.22	2.89

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	3.16	1.03	0.00	0.00	0.00	14.13	1.15	1.18	0.00	2.29	1.52
Unknown Coral I (C1)	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.12	0.12
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.12	0.12
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	0.00	0.00	0.00	2.44	0.00	2.30	11.76	2.11	2.07	1.27
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis species complex (MASC)	0.00	0.00	7.22	18.18	4.88	0.00	33.33	0.00	0.00	7.07	3.85
Montastraea cavernosa (MOCA)	0.00	19.59	12.37	14.77	19.51	27.17	1.15	5.88	29.47	14.44	3.54
Montastraea faveolata (MOFA)	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34
Montastraea franksi (MOFR)	45.26	16.49	20.62	38.64	21.95	31.52	29.89	55.29	53.68	34.82	4.77
Mussa angulosa (MUAN)	0.00	6.19	3.09	0.00	0.00	0.00	1.15	0.00	1.05	1.28	0.70
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	0.00	0.00	1.03	0.00	0.00	0.00	0.00	4.71	0.00	0.64	0.52
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	0.00	4.12	0.00	0.00	6.10	6.52	0.00	0.00	0.00	1.86	0.95
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	4.12	2.06	2.27	0.00	4.35	6.90	1.18	0.00	2.32	0.80
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)											
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.12	0.12
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)											
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)											
Algae (ALGAE)	5.26	23.71	10.31	7.95	21.95	3.26	11.49	8.24	4.21	10.71	2.46
Dictyota sp. (DICT)	3.16	7.22	0.00	0.00	3.66	1.09	3.45	1.18	0.00	2.19	0.80
Filamentous Algae (F ALG)	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.13	0.13
Lobophora variegata (LOVA)	5.26	8.25	12.37	10.23	12.20	0.00	3.45	8.24	2.11	6.90	1.48
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	3.16	0.00	0.00	1.14	1.22	1.09	0.00	0.00	0.00	0.73	0.36
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)											
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
OTHER (O)											
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.00	1.22	0.00	1.15	0.00	0.00	0.26	0.17
Invertebrate (INVERT)	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)											
Bare Substrate (BARE)	5.26	2.06	3.09	3.41	2.44	3.26	0.00	0.00	1.05	2.29	0.57
Coral Rubble (CRUB)	0.00	1.03	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.24	0.16
Crustose Coralline Algae (CCA)	1.05	1.03	1.03	1.14	1.22	1.09	1.15	0.00	2.11	1.09	0.18
Fine Turf (FINE)	5.26	1.03	3.09	1.14	0.00	0.00	1.15	2.35	1.05	1.68	0.56
Substrate Rubble (RUB)	0.00	0.00	1.03	0.00	1.22	0.00	0.00	0.00	0.00	0.25	0.17
SAND (SAND)											
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	3.16	0.48	0.36
TAPE, WAND, SHADOW (TWS)											
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	4.00	2.00	3.00	12.00	14.00	6.00	12.00	13.00	4.00	7.78	1.62
Tag (TAG)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	0.00	1.00	0.00	0.00	4.00	2.00	1.00	2.00	1.00	1.22	0.43
NOTES (% of transect)											
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.13	0.13
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	1.22	17.39	1.15	0.00	0.00	2.20	1.91
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)											
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00	0.00	0.17	0.17
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	2.22	19.51	1.52	0.00	0.00	2.58	2.13
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)											
CORAL (C)	67	54	67	65	45	82	66	68	82	66.22	3.91
SPONGE (SP)	0	0	0	0	0	1	0	0	0	0.11	0.11
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)	16	38	22	18	32	5	16	15	6	18.67	3.61
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	1	0	0	0	1	0	1	0	0	0.33	0.17
SUBSTRATE (SUB)	11	5	8	5	4	4	3	2	4	5.11	0.92
SAND (SAND)	0	0	0	0	0	0	1	0	3	0.44	0.34
TAPE, WAND, SHADOW (TWS)	5	3	3	12	18	8	13	15	5	9.11	1.85
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUBCATEGORIES (occurring in transect)											
CORAL (C)											

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia fragilis (AGFR)	0	1	0	0	0	0	0	0	0	0.11	0.11
Agaricia sp (AGSP)	1	0	0	0	0	0	0	0	0	0.11	0.11
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	20	3	19	0	0	3	0	0	0	5.00	2.77
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	3	1	0	0	0	13	1	1	0	2.11	1.40
Unknown Coral I (C1)	0	0	0	0	0	1	0	0	0	0.11	0.11
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis mirabilis (MAMI)	0	0	0	0	0	1	0	0	0	0.11	0.11
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	0	0	0	0	2	0	2	10	2	1.78	1.08
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0.00	0.00
Montastraea annularis species complex (MASC)	0	0	7	16	4	0	29	0	0	6.22	3.36
Montastraea cavernosa (MOCA)	0	19	12	13	16	25	1	5	28	13.22	3.32
Montastraea faveolata (MOFA)	0	0	3	0	0	0	0	0	0	0.33	0.33
Montastraea franksi (MOFR)	43	16	20	34	18	29	26	47	51	31.56	4.33

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Mussa angulosa (MUAN)	0	6	3	0	0	0	1	0	1	1.22	0.68
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	0	0	1	0	0	0	0	4	0	0.56	0.44
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Stephanocoenia intersepta (STIN)	0	4	0	0	5	6	0	0	0	1.67	0.85
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	4	2	2	0	4	6	1	0	2.11	0.72
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)											
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0.00	0.00
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0.00	0.00
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	1	0	0	0	0.11	0.11
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0.00	0.00
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0.00	0.00
ENCRUSTING SPONGE (SPE)											
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)											
Algae (ALGAE)	5	23	10	7	18	3	10	7	4	9.67	2.24
Dictyota sp. (DICT)	3	7	0	0	3	1	3	1	0	2.00	0.76
Filamentous Algae (F ALG)	0	0	0	1	0	0	0	0	0	0.11	0.11
Lobophora variegata (LOVA)	5	8	12	9	10	0	3	7	2	6.22	1.33
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
Turf Algae Matrix (TURF)	3	0	0	1	1	1	0	0	0	0.67	0.33
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)											
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)											
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	0	1	0	1	0	0	0.22	0.15
Invertebrate (INVERT)	1	0	0	0	0	0	0	0	0	0.11	0.11
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)											
Bare Substrate (BARE)	5	2	3	3	2	3	0	0	1	2.11	0.54
Coral Rubble (CRUB)	0	1	0	0	0	0	1	0	0	0.22	0.15
Crustose Coralline Algae (CCA)	1	1	1	1	1	1	1	0	2	1.00	0.17
Fine Turf (FINE)	5	1	3	1	0	0	1	2	1	1.56	0.53
Substrate Rubble (RUB)	0	0	1	0	1	0	0	0	0	0.22	0.15
SAND (SAND)											
Sand (SAND)	0	0	0	0	0	0	1	0	3	0.44	0.34
TAPE, WAND, SHADOW (TWS)											
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0.00	0.00
No Data (N/D)	0	0	0	0	0	0	0	0	0	0.00	0.00
Shadow (SHADOW)	4	2	3	12	14	6	12	13	4	7.78	1.62
Tag (TAG)	1	0	0	0	0	0	0	0	0	0.11	0.11
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Wand (WAND)	0	1	0	0	4	2	1	2	1	1.22	0.43

TRANSECT NAME	81	82	83	84	85	86	87	88	89	MEAN	STD ER
NOTES (occurring in transect)											
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	1	0	0	0	0	0	0.11	0.11
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	1	16	1	0	0	2.00	1.76
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)											
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	1	0	0	0	0	0	0.11	0.11
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	1	16	1	0	0	2.00	1.76
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0.00	0.00

8.10. Repetitive Quadrat Diversity Measures from 2011 at EFGB Deep Stations

TRANSECT NAME	81	82	83	84	85	86	87	88	89
Shannon-Weaver Index	**0.84**	**0.85**	**0.80**	**0.71**	**0.90**	**0.45**	**0.74**	**0.57**	**0.54**
CORAL (C)	0.25	0.33	0.26	0.22	0.33	0.10	0.21	0.18	0.13
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.30	0.37	0.34	0.32	0.37	0.16	0.31	0.31	0.17
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.05	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00
SUBSTRATE (SUB)	0.25	0.15	0.21	0.16	0.15	0.14	0.12	0.09	0.13
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.11
Simpson Index of Diversity (1-D)	**0.46**	**0.53**	**0.46**	**0.41**	**0.54**	**0.20**	**0.39**	**0.33**	**0.25**
CORAL (C)	0.50	0.31	0.48	0.55	0.30	0.79	0.58	0.64	0.75
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.03	0.15	0.05	0.04	0.15	0.00	0.03	0.03	0.00
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

8.11. Repetitive Quadrat Percent Cover Data from 2012 at EFGB Deep Stations

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+wand+shadow)	**98**	**96**	**97**	**96**	**93**	**97**	**99**	**97**	**94**		
MAJOR CATEGORY (% of transect)											
CORAL (C)	74.49	61.46	67.01	87.50	76.34	81.44	81.82	76.29	43.62	72.22	4.43
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	16.33	28.13	23.71	9.38	19.35	15.46	12.12	19.59	44.68	20.97	3.52
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11
SUBSTRATE (SUB)	8.16	10.42	9.28	3.13	4.30	3.09	6.06	4.12	11.70	6.70	1.09
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	2.00	4.00	3.00	4.00	7.00	3.00	1.00	3.00	6.00	3.67	0.62
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
SUBCATEGORIES (% of transect)											
CORAL (C)											
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.11	0.11
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	11.22	12.50	5.15	0.00	0.00	0.00	11.11	1.03	0.00	4.56	1.85

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DIST)	6.12	0.00	2.06	0.00	5.38	3.09	0.00	0.00	0.00	1.85	0.83
Eusmilia sp (EUSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	0.00	0.00	1.04	0.00	7.22	0.00	2.06	0.00	1.15	0.80
Montastraea annularis (MOAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis species complex (MASC)	10.20	5.21	0.00	0.00	5.38	0.00	3.03	2.06	4.26	3.35	1.12
Montastraea cavernosa (MOCA)	2.04	11.46	17.53	39.58	1.08	5.15	36.36	27.84	18.09	17.68	4.78
Montastraea faveolata (MOFA)	1.02	3.13	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.35
Montastraea franksi (MOFR)	43.88	27.08	34.02	42.71	63.44	57.73	28.28	38.14	13.83	38.79	5.14
Mussa angulosa (MUAN)	0.00	2.08	5.15	3.13	0.00	0.00	0.00	0.00	0.00	1.15	0.63
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	0.00	0.00	0.00	0.00	1.08	6.19	0.00	0.00	0.00	0.81	0.68
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	2.13	0.35	0.25

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	0.00	0.00	2.06	0.00	0.00	1.03	3.03	0.00	5.32	1.27	0.63
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	0.00	0.00	0.00	1.04	0.00	0.00	0.00	4.12	0.00	0.57	0.46
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)											
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia strobilina (IRST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)											
Encructing sponge (ENCRUST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)											
Algae (ALGAE)	11.22	14.58	14.43	4.17	15.05	14.43	12.12	10.31	29.79	14.01	2.27
Dictyota sp. (DICT)	1.02	1.04	4.12	2.08	0.00	0.00	0.00	0.00	3.19	1.27	0.51
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	1.02	11.46	4.12	3.13	4.30	1.03	0.00	9.28	11.70	5.12	1.52
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	3.06	1.04	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.35
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)											
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
OTHER (O)											
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Invertebrate (INVERT)	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)											
Bare Substrate (BARE)	4.08	7.29	1.03	2.08	4.30	0.00	6.06	2.06	3.19	3.34	0.78
Coral Rubble (CRUB)	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11
Crustose Coralline Algae (CCA)	0.00	2.08	0.00	0.00	0.00	2.06	0.00	1.03	5.32	1.17	0.60
Fine Turf (FINE)	4.08	1.04	7.22	1.04	0.00	1.03	0.00	1.03	3.19	2.07	0.79
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)											
Sand (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)											
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shadow (SHADOW)	2.00	1.00	1.00	0.00	7.00	1.00	1.00	2.00	4.00	2.11	0.72
Tag (TAG)	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	0.00	3.00	2.00	3.00	0.00	2.00	0.00	1.00	2.00	1.44	0.41
NOTES (% of transect)											
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.12	0.12
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)											
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.27	0.27
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)											
CORAL (C)	73	59	65	84	71	79	81	74	41	69.67	4.43
SPONGE (SP)	0	0	0	0	0	0	0	0	0	0.00	0.00
ENCRUSTING SPONGE (SPE)	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)	16	27	23	9	18	15	12	19	42	20.11	3.28
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	1	0	0	0	0	0	0	0	0	0.11	0.11
SUBSTRATE (SUB)	8	10	9	3	4	3	6	4	11	6.44	1.04
SAND (SAND)	0	0	0	0	0	0	0	0	0	0.00	0.00
TAPE, WAND, SHADOW (TWS)	2	4	3	4	7	3	1	3	6	3.67	0.62
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUBCATEGORIES (occurring in transect)											
CORAL (C)											

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia fragilis (AGFR)	0	0	0	0	0	1	0	0	0	0.11	0.11
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	11	12	5	0	0	0	11	1	0	4.44	1.80
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	6	0	2	0	5	3	0	0	0	1.78	0.80
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis mirabilis (MAMI)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	0	0	0	1	0	7	0	2	0	1.11	0.77
Montastraea annularis (MOAN)	0	0	0	0	0	0	0	0	0	0.00	0.00
Montastraea annularis species complex (MASC)	10	5	0	0	5	0	3	2	4	3.22	1.09
Montastraea cavernosa (MOCA)	2	11	17	38	1	5	36	27	17	17.11	4.66
Montastraea faveolata (MOFA)	1	3	1	0	0	0	0	0	0	0.56	0.34
Montastraea franksi (MOFR)	43	26	33	41	59	56	28	37	13	37.33	4.84

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Mussa angulosa (MUAN)	0	2	5	3	0	0	0	0	0	1.11	0.61
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	0	0	0	0	1	6	0	0	0	0.78	0.66
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	1	2	0.33	0.24
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Stephanocoenia intersepta (STIN)	0	0	2	0	0	1	3	0	5	1.22	0.60
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	0	0	0	1	0	0	0	4	0	0.56	0.44
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)											
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0.00	0.00
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0.00	0.00
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia strobilina (IRST)	0	0	0	0	0	0	0	0	0	0.00	0.00
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	0	0	0	0	0	0	0.00	0.00
ENCRUSTING SPONGE (SPE)											
Encructing sponge (ENCRUST)	0	0	0	0	0	0	0	0	0	0.00	0.00
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)											
Algae (ALGAE)	11	14	14	4	14	14	12	10	28	13.44	2.12
Dictyota sp. (DICT)	1	1	4	2	0	0	0	0	3	1.22	0.49
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0.00	0.00
Lobophora variegata (LOVA)	1	11	4	3	4	1	0	9	11	4.89	1.45
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Turf Algae Matrix (TURF)	3	1	1	0	0	0	0	0	0	0.56	0.34
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)											
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)											
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	0	0	0	0	0	0	0.00	0.00
Invertebrate (INVERT)	1	0	0	0	0	0	0	0	0	0.11	0.11
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)											
Bare Substrate (BARE)	4	7	1	2	4	0	6	2	3	3.22	0.76
Coral Rubble (CRUB)	0	0	1	0	0	0	0	0	0	0.11	0.11
Crustose Coralline Algae (CCA)	0	2	0	0	0	2	0	1	5	1.11	0.56
Fine Turf (FINE)	4	1	7	1	0	1	0	1	3	2.00	0.76
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0.00	0.00
SAND (SAND)											
Sand (SAND)	0	0	0	0	0	0	0	0	0	0.00	0.00
TAPE, WAND, SHADOW (TWS)											
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0.00	0.00
No Data (N/D)	0	0	0	0	0	0	0	0	0	0.00	0.00
Shadow (SHADOW)	2	1	1	0	7	1	1	2	4	2.11	0.72
Tag (TAG)	0	0	0	1	0	0	0	0	0	0.11	0.11
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0.00	0.00
Wand (WAND)	0	3	2	3	0	2	0	1	2	1.44	0.41

TRANSECT NAME	1	2	3	4	5	6	7	8	9	MEAN	STD ER
NOTES (occurring in transect)											
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	0	0	1	0.11	0.11
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)											
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	0	0	1	0.11	0.11
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0.00	0.00

8.12. Repetitive Quadrat Diversity Measures from 2012 at EFGB Deep Stations

TRANSECT NAME	1	2	3	4	5	6	7	8	9
Shannon-Weaver Index	**0.77**	**0.89**	**0.83**	**0.45**	**0.66**	**0.56**	**0.59**	**0.66**	**0.97**
CORAL (C)	0.22	0.30	0.27	0.12	0.21	0.17	0.16	0.21	0.36
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.30	0.36	0.34	0.22	0.32	0.29	0.26	0.32	0.36
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.20	0.24	0.22	0.11	0.14	0.11	0.17	0.13	0.25
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simpson Index of Diversity	**0.41**	**0.53**	**0.49**	**0.22**	**0.38**	**0.31**	**0.31**	**0.38**	**0.60**
CORAL (C)	0.55	0.38	0.45	0.77	0.58	0.66	0.67	0.58	0.19
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.03	0.08	0.06	0.01	0.04	0.02	0.01	0.04	0.20
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.13. Repetitive Quadrat Percent Cover Data from 2012 at WFGB Deep Stations

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Number of frames	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
Total points	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
Total points (minus tape+wand+shadow)	**80**	**95**	**85**	**86**	**72**	**87**	**86**	**80**	**90**	**88**	**89**	**91**		
MAJOR CATEGORY (% of transect)														
CORAL (C)	68.75	88.42	88.24	37.21	77.78	72.41	94.19	91.25	57.78	80.68	91.01	75.82	76.96	4.77
SPONGE (SP)	0.00	0.00	0.00	2.33	5.56	0.00	0.00	0.00	1.11	0.00	0.00	2.20	0.93	0.49
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	1.16	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.13
MACROALGAE (M)	20.00	7.37	7.06	31.40	4.17	24.14	1.16	8.75	31.11	12.50	5.62	13.19	13.87	3.00
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	1.18	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.13
SUBSTRATE (SUB)	11.25	4.21	2.35	26.74	12.50	2.30	4.65	0.00	10.00	5.68	2.25	5.49	7.29	2.09
SAND (SAND)	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	1.14	1.12	3.30	0.56	0.29
TAPE, WAND, SHADOW (TWS)	20.00	5.00	15.00	14.00	28.00	13.00	14.00	20.00	10.00	12.00	11.00	9.00	14.25	1.75
Sum (excluding tape+shadow+wand)	100	100	100	100	100	100	100	100	100	100	100	100		
SUBCATEGORIES (% of transect)														
CORAL (C)														
Acropora palmata (ACPA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AGAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AGFR)	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09
Agaricia lamarcki (AGLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia sp (AGSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AGUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia amaranthus (COAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CONA)	6.25	0.00	0.00	0.00	2.78	0.00	0.00	0.00	1.11	1.14	0.00	0.00	0.94	0.54
Colpophyllia sp (COSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DISTO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Diploria strigosa (DIST)	0.00	0.00	0.00	8.14	13.89	1.15	4.65	0.00	1.11	0.00	0.00	0.00	2.41	1.27
Eusmilia sp (EUSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LECU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis asperula (MAAS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis brueggemanni (MABR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis cf formosa (MAFO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MADE)	0.00	0.00	0.00	1.16	13.89	3.45	0.00	0.00	0.00	0.00	0.00	0.00	1.54	1.16
Madracis mirabilis (MAMI)	0.00	0.00	0.00	0.00	13.89	25.29	0.00	0.00	0.00	0.00	0.00	0.00	3.26	2.31
Madracis myriaster (MAMY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis pharensis (MAPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis sp (MASP)	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12
Madrepora carolina (MADCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madrepora sp (MADSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis (MIAL)	0.00	3.16	0.00	0.00	1.39	0.00	0.00	0.00	1.11	1.14	1.12	0.00	0.66	0.28
Montastraea annularis (MOAN)	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
Montastraea annularis species complex (MASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	2.27	19.10	29.67	4.44	2.78
Montastraea cavernosa (MOCA)	3.75	15.79	10.59	8.14	4.17	11.49	55.81	37.50	13.33	25.00	11.24	8.79	17.13	4.43
Montastraea faveolata (MOFA)	0.00	0.00	0.00	0.00	6.94	2.30	0.00	0.00	0.00	3.41	1.12	0.00	1.15	0.62
Montastraea franksi (MOFR)	42.50	42.11	72.94	1.16	0.00	13.79	33.72	46.25	35.56	42.05	13.48	16.48	30.00	6.19
Mussa angulosa (MUAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina sp (OCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oxysmilia sp (OXSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paracyanthus pulchellus (PAPU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astereoides (POAS)	0.00	0.00	0.00	12.79	6.94	4.60	0.00	3.75	2.22	0.00	0.00	0.00	2.53	1.15
Porites furcata (POFU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SCCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia sp (SCSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Siderastrea radians (SIRA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SISI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea sp (SISP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intersepta (STIN)	15.00	23.16	1.18	0.00	2.78	3.45	0.00	0.00	0.00	3.41	39.33	18.68	8.91	3.63
Stephaocoenia sp (STSP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastrea coccinea (TUCO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral I (C1)	1.25	3.16	2.35	5.81	9.72	6.90	0.00	3.75	1.11	2.27	5.62	2.20	3.68	0.81
Unknown Coral II (C2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral III (C3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral IV (C4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral V (C5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Coral VI (C6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGE (SP)														
Agelas clathrodes (AGCL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.09	0.09
Aplysina species I (AP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Callyspongia vaginalis (CAVA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla brown (CHB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chondrilla nucula (CHNU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ectyoplasia ferox (ECFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Geodia gibberosa (GEGI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia felix (IRFE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ircinia strobilina (IRST)	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
Mycale laxissima (MYLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neofibularia nolitangere (NENO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Niphates erecta (NIER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placospongia melobesioides (PLME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Unknown Sponge I (SP1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge II (SP2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge III (SP3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge IV (SP4)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge V (SP5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VI (SP6)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VII (SP7)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Sponge VIII (SP8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Xestospongia muta (XEMU)	0.00	0.00	0.00	1.16	5.56	0.00	0.00	0.00	1.11	0.00	0.00	1.10	0.74	0.46
ENCRUSTING SPONGE (SPE)														
Encructing sponge (ENCRUST)	0.00	0.00	0.00	1.16	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.13
Spirastrelle cunctatrix (SPCU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)														
Algae (ALGAE)	13.75	4.21	2.35	11.63	4.17	19.54	1.16	8.75	21.11	10.23	4.49	7.69	9.09	1.87
Dictyota sp. (DICT)	1.25	0.00	2.35	1.16	0.00	3.45	0.00	0.00	2.22	2.27	0.00	1.10	1.15	0.35
Filamentous Algae (F ALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora variegata (LOVA)	2.50	1.05	0.00	3.49	0.00	1.15	0.00	0.00	5.56	0.00	0.00	3.30	1.42	0.54
Peysonnelia sp. (PEY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf Algae Matrix (TURF)	2.50	2.11	2.35	15.12	0.00	0.00	0.00	0.00	2.22	0.00	1.12	1.10	2.21	1.21
Unknown MacroAlgae I (MA1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae II (MA2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown MacroAlgae III (MA3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UNKNOWN (U)														
Unknown Species I (UNK1)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species II (UNK2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown Species III (UNK3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
OTHER (O)														
Fireworm (FW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish (FISH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Invertebrate (INVERT)	0.00	0.00	1.18	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.13
Urchin (URCHIN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)														
Bare Substrate (BARE)	3.75	2.11	1.18	3.49	4.17	0.00	0.00	0.00	0.00	3.41	0.00	0.00	1.51	0.51
Coral Rubble (CRUB)	0.00	0.00	0.00	0.00	2.78	2.30	0.00	0.00	0.00	0.00	0.00	4.40	0.79	0.43
Crustose Coralline Algae (CCA)	5.00	1.05	0.00	2.33	0.00	0.00	0.00	0.00	4.44	0.00	0.00	0.00	1.07	0.53
Fine Turf (FINE)	2.50	1.05	1.18	20.93	5.56	0.00	4.65	0.00	5.56	2.27	2.25	1.10	3.92	1.65
Substrate Rubble (RUB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND (SAND)														
Sand (SAND)	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	1.14	1.12	3.30	0.56	0.29
TAPE, WAND, SHADOW (TWS)														
Diver (DIVER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monofilament (MONO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No Data (N/D)	0.00	0.00	3.00	3.00	5.00	2.00	1.00	1.00	0.00	0.00	0.00	0.00	1.25	0.48
Shadow (SHADOW)	20.00	4.00	11.00	8.00	21.00	7.00	11.00	18.00	7.00	9.00	6.00	8.00	10.83	1.65
Tag (TAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	0.00	1.00	1.00	3.00	2.00	4.00	2.00	1.00	3.00	3.00	5.00	1.00	2.17	0.42
NOTES (% of transect)														
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)														
Bleached Coral (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrated Fish Biting (CONCFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Damaged (DAM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyperplasias (HYPERP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isolated Fish Biting (ISOFB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Over Grown with Algae (OV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paling Coral (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recent Dead (RC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAJOR CATEGORY (occurring in transect)														
CORAL (C)	55	84	75	32	56	63	81	73	52	71	81	69	66.00	4.37
SPONGE (SP)	0	0	0	2	4	0	0	0	1	0	0	2	0.75	0.37
ENCRUSTING SPONGE (SPE)	0	0	0	1	0	1	0	0	0	0	0	0	0.17	0.11
MACROALGAE (M)	16	7	6	27	3	21	1	7	28	11	5	12	12.00	2.63
UNKNOWN (U)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)	0	0	1	1	0	0	0	0	0	0	0	0	0.17	0.11
SUBSTRATE (SUB)	9	4	2	23	9	2	4	0	9	5	2	5	6.17	1.76
SAND (SAND)	0	0	1	0	0	0	0	0	0	1	1	3	0.50	0.26
TAPE, WAND, SHADOW (TWS)	20	5	15	14	28	13	14	20	10	12	11	9	14.25	1.75
TOTAL TRANSECT POINTS	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**		
SUBCATEGORIES (occurring in transect)														
CORAL (C)														

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Acropora palmata (ACPA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia agaricites (AGAG)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia fragilis (AGFR)	0	1	0	0	0	0	0	0	0	0	0	0	0.08	0.08
Agaricia lamarcki (AGLA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia sp (AGSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Agaricia undata (AGUN)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia amaranthus (COAM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Colpophyllia natans (CONA)	5	0	0	0	2	0	0	0	1	1	0	0	0.75	0.43
Colpophyllia sp (COSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Dichocoenia stokesi (DISTO)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Diploria strigosa (DIST)	0	0	0	7	10	1	4	0	1	0	0	0	1.92	0.96
Eusmilia sp (EUSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Leptoseris cucullata (LECU)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis asperula (MAAS)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis brueggemanni (MABR)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis cf formosa (MAFO)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis decactis (MADE)	0	0	0	1	10	3	0	0	0	0	0	0	1.17	0.84
Madracis mirabilis (MAMI)	0	0	0	0	10	22	0	0	0	0	0	0	2.67	1.94
Madracis myriaster (MAMY)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis pharensis (MAPH)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madracis sp (MASP)	0	0	0	0	1	0	0	0	0	0	0	0	0.08	0.08
Madrepora carolina (MADCA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Madrepora sp (MADSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Millepora alcicornis (MIAL)	0	3	0	0	1	0	0	0	1	1	1	0	0.58	0.26
Montastraea annularis (MOAN)	0	0	1	0	0	0	0	0	0	0	0	0	0.08	0.08
Montastraea annularis species complex (MASC)	0	0	0	0	0	0	0	0	2	2	17	27	4.00	2.51
Montastraea cavernosa (MOCA)	3	15	9	7	3	10	48	30	12	22	10	8	14.75	3.75
Montastraea faveolata (MOFA)	0	0	0	0	5	2	0	0	0	3	1	0	0.92	0.47

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Montastraea franksi (MOFR)	34	40	62	1	0	12	29	37	32	37	12	15	25.92	5.26
Mussa angulosa (MUAN)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oculina sp (OCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia rotundifolia (OXRO)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Oxysmilia sp (OXSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paracyanthus pulchellus (PAPU)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Porites astereoides (POAS)	0	0	0	11	5	4	0	3	2	0	0	0	2.08	0.96
Porites furcata (POFU)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia cubensis (SCCU)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Scolymia sp (SCSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea radians (SIRA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea siderea (SISI)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Siderastrea sp (SISP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Stephanocoenia intersepta (STIN)	12	22	1	0	2	3	0	0	0	3	35	17	7.92	3.27
Stephaocoenia sp (STSP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Tubastrea coccinea (TUCO)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral I (C1)	1	3	2	5	7	6	0	3	1	2	5	2	3.08	0.63
Unknown Coral II (C2)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral III (C3)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral IV (C4)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral V (C5)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Coral VI (C6)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SPONGE (SP)														
Agelas clathrodes (AGCL)	0	0	0	0	0	0	0	0	0	0	0	1	0.08	0.08
Aplysina species I (AP1)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Arolochroia (Pseudoceratina) crassa (ARCR)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Callyspongia vaginalis (CAVA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla LIGHT brown (CHLB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Chondrilla brown (CHB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Chondrilla nucula (CHNU)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ectyoplasia ferox (ECFE)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Geodia gibberosa (GEGI)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia felix (IRFE)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ircinia strobilina (IRST)	0	0	0	1	0	0	0	0	0	0	0	0	0.08	0.08
Mycale laxissima (MYLA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Neofibularia nolitangere (NENO)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Niphates erecta (NIER)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Placospongia melobesioides (PLME)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge I (SP1)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge II (SP2)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge III (SP3)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge IV (SP4)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge V (SP5)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VI (SP6)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VII (SP7)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Sponge VIII (SP8)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Xestospongia muta (XEMU)	0	0	0	1	4	0	0	0	1	0	0	1	0.58	0.34
ENCRUSTING SPONGE (SPE)														
Encructing sponge (ENCRUST)	0	0	0	1	0	1	0	0	0	0	0	0	0.17	0.11
Spirastrelle cunctatrix (SPCU)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge I (SPE1)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge II (SPE2)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Encrusting Sponge III (SPE3)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
MACROALGAE (M)														
Algae (ALGAE)	11	4	2	10	3	17	1	7	19	9	4	7	7.83	1.65
Dictyota sp. (DICT)	1	0	2	1	0	3	0	0	2	2	0	1	1.00	0.30
Filamentous Algae (F ALG)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Lobophora variegata (LOVA)	2	1	0	3	0	1	0	0	5	0	0	3	1.25	0.48
Peysonnelia sp. (PEY)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Turf Algae Matrix (TURF)	2	2	2	13	0	0	0	0	2	0	1	1	1.92	1.04
Unknown MacroAlgae I (MA1)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae II (MA2)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown MacroAlgae III (MA3)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
UNKNOWN (U)														
Unknown Species I (UNK1)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species II (UNK2)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Unknown Species III (UNK3)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
OTHER (O)														
Fireworm (FW)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Fish (FISH)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Invertebrate (INVERT)	0	0	1	1	0	0	0	0	0	0	0	0	0.17	0.11
Urchin (URCHIN)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SUBSTRATE (SUB)														
Bare Substrate (BARE)	3	2	1	3	3	0	0	0	0	3	0	0	1.25	0.41
Coral Rubble (CRUB)	0	0	0	0	2	2	0	0	0	0	0	4	0.67	0.38
Crustose Coralline Algae (CCA)	4	1	0	2	0	0	0	0	4	0	0	0	0.92	0.45
Fine Turf (FINE)	2	1	1	18	4	0	4	0	5	2	2	1	3.33	1.41
Substrate Rubble (RUB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
SAND (SAND)														
Sand (SAND)	0	0	1	0	0	0	0	0	0	1	1	3	0.50	0.26
TAPE, WAND, SHADOW (TWS)														
Diver (DIVER)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Monofilament (MONO)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
No Data (N/D)	0	0	3	3	5	2	1	1	0	0	0	0	1.25	0.48
Shadow (SHADOW)	20	4	11	8	21	7	11	18	7	9	6	8	10.83	1.65
Tag (TAG)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9	MEAN	STD ER
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Wand (WAND)	0	1	1	3	2	4	2	1	3	3	5	1	2.17	0.42
NOTES (occurring in transect)														
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
NOTES (occurring in coral)														
Bleached Coral (BL)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Concentrated Fish Biting (CONCFB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Damaged (DAM)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Hyperplasias (HYPERP)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Isolated Fish Biting (ISOFB)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other Disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Over Grown with Algae (OV)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Paling Coral (PA)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Recent Dead (RC)	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00

8.14. Repetitive Quadrat Diversity Measures from 2012 at WFGB Deep Stations

TRANSECT NAME	10	11	12	1	2	3	4	5	6	7	8	9
Shannon-Weaver Index	**0.83**	**0.43**	**0.49**	**1.28**	**0.75**	**0.71**	**0.25**	**0.30**	**0.96**	**0.65**	**0.38**	**0.83**
CORAL (C)	0.26	0.11	0.11	0.37	0.20	0.23	0.06	0.08	0.32	0.17	0.09	0.21
SPONGE (SP)	0.00	0.00	0.00	0.09	0.16	0.00	0.00	0.00	0.05	0.00	0.00	0.08
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.32	0.19	0.19	0.36	0.13	0.34	0.05	0.21	0.36	0.26	0.16	0.27
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.25	0.13	0.09	0.35	0.26	0.09	0.14	0.00	0.23	0.16	0.09	0.16
SAND (SAND)	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.11
Simpson Index of Diversity (1-D)	**0.47**	**0.21**	**0.22**	**0.69**	**0.37**	**0.42**	**0.11**	**0.16**	**0.56**	**0.33**	**0.17**	**0.40**
CORAL (C)	0.47	0.78	0.78	0.14	0.60	0.52	0.89	0.83	0.33	0.65	0.83	0.57
SPONGE (SP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENCRUSTING SPONGE (SPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (M)	0.04	0.01	0.00	0.10	0.00	0.06	0.00	0.01	0.10	0.02	0.00	0.02
UNKNOWN (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTRATE (SUB)	0.01	0.00	0.00	0.07	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00
SAND (SAND)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX 9.0: WATER QUALITY DATA

9.1. SEA-BIRD AND HOBO DAILY MEAN WATER TEMPERATURE DATA FROM 2011 AND 2012 AT THE FGB (°C)

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
1-Jan	21.67	22.18	21.66	22.16
2-Jan	21.52	22.02	21.48	22.00
3-Jan	21.35	21.80	21.33	21.77
4-Jan	21.42	21.75	21.18	21.73
5-Jan	21.36	21.76	20.90	21.73
6-Jan	21.08	21.92	21.21	21.90
7-Jan	20.87	22.03	21.19	22.01
8-Jan	20.72	21.99	21.11	21.96
9-Jan	20.96	21.79	21.08	21.76
10-Jan	20.89	21.68	20.90	21.65
11-Jan	20.63	21.56	21.06	21.53
12-Jan	20.19	21.51	20.86	21.49
13-Jan	20.23	21.44	20.68	21.41
14-Jan	20.10	21.52	20.69	21.49
15-Jan	20.06	21.54	20.68	21.51
16-Jan	20.47	21.24	20.32	21.22
17-Jan	20.35	21.36	19.92	21.33
18-Jan	20.02	21.19	19.80	21.16

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
1-Jan	21.68	22.08	21.68	22.16
2-Jan	21.50	22.18	21.54	22.11
3-Jan	21.35	22.02	21.37	21.95
4-Jan	21.20	21.80	21.43	21.83
5-Jan	20.92	21.75	21.37	21.97
6-Jan	21.23	21.76	21.10	22.05
7-Jan	21.21	21.92	20.89	21.96
8-Jan	21.12	22.03	20.74	21.74
9-Jan	21.10	21.99	20.98	21.22
10-Jan	20.92	21.79	20.91	21.83
11-Jan	21.08	21.68	20.65	21.98
12-Jan	20.88	21.56	20.21	21.83
13-Jan	20.70	21.51	20.24	21.72
14-Jan	20.71	21.44	20.12	21.58
15-Jan	20.69	21.52	20.07	21.34
16-Jan	20.34	21.54	20.48	21.08
17-Jan	19.93	21.24	20.36	21.30
18-Jan	19.82	21.36	20.03	21.44

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
1-Jan	NA	NA	*Lost*	22.18	Pre-Install	Pre-Install
2-Jan	NA	NA	*Lost*	22.04	Pre-Install	Pre-Install
3-Jan	NA	NA	*Lost*	21.82	Pre-Install	Pre-Install
4-Jan	NA	NA	*Lost*	21.76	Pre-Install	Pre-Install
5-Jan	NA	NA	*Lost*	21.78	Pre-Install	Pre-Install
6-Jan	NA	NA	*Lost*	21.89	Pre-Install	Pre-Install
7-Jan	NA	NA	*Lost*	22.01	Pre-Install	Pre-Install
8-Jan	NA	NA	*Lost*	22.02	Pre-Install	Pre-Install
9-Jan	NA	NA	*Lost*	21.77	Pre-Install	Pre-Install
10-Jan	NA	NA	*Lost*	21.65	Pre-Install	Pre-Install
11-Jan	NA	NA	*Lost*	21.55	Pre-Install	Pre-Install
12-Jan	NA	NA	*Lost*	21.50	Pre-Install	Pre-Install
13-Jan	NA	NA	*Lost*	21.42	Pre-Install	Pre-Install
14-Jan	NA	NA	*Lost*	21.52	Pre-Install	Pre-Install
15-Jan	NA	NA	*Lost*	21.54	Pre-Install	Pre-Install
16-Jan	NA	NA	*Lost*	21.29	Pre-Install	Pre-Install
17-Jan	NA	NA	*Lost*	21.36	Pre-Install	Pre-Install
18-Jan	NA	NA	*Lost*	21.21	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
19-Jan	20.09	21.38	20.04	21.35
20-Jan	20.11	21.41	20.27	21.38
21-Jan	19.74	21.54	19.71	21.51
22-Jan	19.66	21.60	19.33	21.57
23-Jan	19.49	21.56	19.46	21.54
24-Jan	19.31	21.62	20.00	21.59
25-Jan	19.46	21.76	20.27	21.74
26-Jan	19.71	21.43	20.18	21.40
27-Jan	19.85	20.85	19.96	20.82
28-Jan	19.94	20.57	20.05	20.54
29-Jan	19.85	20.49	19.71	20.46
30-Jan	19.95	20.61	19.52	20.57
31-Jan	19.64	21.17	19.98	21.15
1-Feb	19.78	21.34	20.03	21.31
2-Feb	19.55	21.45	19.20	21.42
3-Feb	19.38	21.55	19.64	21.52
4-Feb	18.81	21.56	19.74	21.53
5-Feb	19.13	21.45	19.44	21.42
6-Feb	19.51	21.27	19.02	21.24
7-Feb	19.76	21.01	18.53	20.98
8-Feb	19.37	21.02	19.16	20.99
9-Feb	19.56	21.07	19.30	21.04

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
19-Jan	20.06	21.19	20.10	21.46
20-Jan	20.29	21.38	20.12	21.54
21-Jan	19.73	21.41	19.76	21.50
22-Jan	19.35	21.54	19.68	21.44
23-Jan	19.49	21.60	19.51	21.41
24-Jan	20.02	21.56	19.33	21.49
25-Jan	20.28	21.62	19.47	21.24
26-Jan	20.20	21.76	19.73	21.39
27-Jan	19.98	21.43	19.86	21.43
28-Jan	20.07	20.85	19.96	21.28
29-Jan	19.72	20.57	19.87	21.23
30-Jan	19.54	20.49	19.96	21.11
31-Jan	20.00	20.61	19.66	21.19
1-Feb	20.05	21.17	19.80	21.38
2-Feb	19.22	21.34	19.57	21.40
3-Feb	19.65	21.45	19.39	20.93
4-Feb	19.76	21.55	18.82	20.70
5-Feb	19.45	21.56	19.15	21.24
6-Feb	19.04	21.45	19.53	21.04
7-Feb	18.55	21.27	19.78	20.55
8-Feb	19.18	21.01	19.39	20.82
9-Feb	19.32	21.02	19.58	20.61

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
19-Jan	NA	NA	*Lost*	21.38	Pre-Install	Pre-Install
20-Jan	NA	NA	*Lost*	21.39	Pre-Install	Pre-Install
21-Jan	NA	NA	*Lost*	21.52	Pre-Install	Pre-Install
22-Jan	NA	NA	*Lost*	21.59	Pre-Install	Pre-Install
23-Jan	NA	NA	*Lost*	21.59	Pre-Install	Pre-Install
24-Jan	NA	NA	*Lost*	21.61	Pre-Install	Pre-Install
25-Jan	NA	NA	*Lost*	21.54	Pre-Install	Pre-Install
26-Jan	NA	NA	*Lost*	21.15	Pre-Install	Pre-Install
27-Jan	NA	NA	*Lost*	20.74	Pre-Install	Pre-Install
28-Jan	NA	NA	*Lost*	20.56	Pre-Install	Pre-Install
29-Jan	NA	NA	*Lost*	20.48	Pre-Install	Pre-Install
30-Jan	NA	NA	*Lost*	20.58	Pre-Install	Pre-Install
31-Jan	NA	NA	*Lost*	21.03	Pre-Install	Pre-Install
1-Feb	NA	NA	*Lost*	21.34	Pre-Install	Pre-Install
2-Feb	NA	NA	*Lost*	21.47	Pre-Install	Pre-Install
3-Feb	NA	NA	*Lost*	21.42	Pre-Install	Pre-Install
4-Feb	NA	NA	*Lost*	21.46	Pre-Install	Pre-Install
5-Feb	NA	NA	*Lost*	21.27	Pre-Install	Pre-Install
6-Feb	NA	NA	*Lost*	20.94	Pre-Install	Pre-Install
7-Feb	NA	NA	*Lost*	20.88	Pre-Install	Pre-Install
8-Feb	NA	NA	*Lost*	21.00	Pre-Install	Pre-Install
9-Feb	NA	NA	*Lost*	21.07	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
10-Feb	18.81	21.00	19.13	20.97
11-Feb	18.86	20.89	18.89	20.86
12-Feb	18.91	20.71	19.17	20.68
13-Feb	18.86	20.71	18.68	20.68
14-Feb	18.95	20.89	18.54	20.86
15-Feb	18.83	20.93	18.30	20.91
16-Feb	18.62	20.93	18.85	20.89
17-Feb	18.77	20.92	18.64	20.89
18-Feb	19.19	20.98	17.85	20.95
19-Feb	19.33	20.97	18.04	20.94
20-Feb	19.01	20.88	18.07	20.85
21-Feb	19.20	21.01	19.17	20.99
22-Feb	19.18	21.06	18.55	21.03
23-Feb	18.88	20.84	18.53	20.81
24-Feb	18.85	20.70	19.25	20.67
25-Feb	19.02	20.41	19.49	20.37
26-Feb	18.69	20.96	19.84	20.92
27-Feb	19.00	21.22	20.02	21.19
28-Feb	19.42	21.32	20.22	21.29
29-Feb	NA	21.48	NA	NA
1-Mar	19.80	21.39	20.55	21.46
2-Mar	19.63	21.39	20.37	21.36

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
10-Feb	19.15	21.07	18.82	21.32
11-Feb	18.91	21.00	18.88	21.10
12-Feb	19.19	20.89	18.93	20.82
13-Feb	18.70	20.71	18.88	20.88
14-Feb	18.56	20.71	18.96	20.95
15-Feb	18.28	20.89	18.85	20.76
16-Feb	19.00	20.93	18.63	20.50
17-Feb	18.62	20.93	18.78	20.55
18-Feb	17.92	20.92	19.20	21.07
19-Feb	18.22	20.98	19.35	21.08
20-Feb	19.28	20.97	19.03	20.96
21-Feb	18.53	20.88	19.22	20.78
22-Feb	18.66	21.01	19.21	20.34
23-Feb	19.31	21.06	18.90	20.11
24-Feb	19.63	20.84	18.87	20.10
25-Feb	19.90	20.70	19.04	20.10
26-Feb	20.09	20.41	18.71	20.10
27-Feb	20.30	20.96	19.02	20.57
28-Feb	20.62	21.22	19.44	20.74
29-Feb	NA	21.32	NA	NA
1-Mar	20.48	21.48	19.81	20.00
2-Mar	20.70	21.39	19.65	19.96

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
10-Feb	NA	NA	*Lost*	21.00	Pre-Install	Pre-Install
11-Feb	NA	NA	*Lost*	20.91	Pre-Install	Pre-Install
12-Feb	NA	NA	*Lost*	20.72	Pre-Install	Pre-Install
13-Feb	NA	NA	*Lost*	20.69	Pre-Install	Pre-Install
14-Feb	NA	NA	*Lost*	20.87	Pre-Install	Pre-Install
15-Feb	NA	NA	*Lost*	20.94	Pre-Install	Pre-Install
16-Feb	NA	NA	*Lost*	20.96	Pre-Install	Pre-Install
17-Feb	NA	NA	*Lost*	20.89	Pre-Install	Pre-Install
18-Feb	NA	NA	*Lost*	20.91	Pre-Install	Pre-Install
19-Feb	NA	NA	*Lost*	20.98	Pre-Install	Pre-Install
20-Feb	NA	NA	*Lost*	20.86	Pre-Install	Pre-Install
21-Feb	NA	NA	*Lost*	20.92	Pre-Install	Pre-Install
22-Feb	NA	NA	*Lost*	20.92	Pre-Install	Pre-Install
23-Feb	NA	NA	*Lost*	20.79	Pre-Install	Pre-Install
24-Feb	NA	NA	*Lost*	20.71	Pre-Install	Pre-Install
25-Feb	NA	NA	*Lost*	20.41	Pre-Install	Pre-Install
26-Feb	NA	NA	*Lost*	20.67	Pre-Install	Pre-Install
27-Feb	NA	NA	*Lost*	20.72	Pre-Install	Pre-Install
28-Feb	NA	NA	*Lost*	21.08	Pre-Install	Pre-Install
29-Feb	NA	NA	*Lost*	NA	Pre-Install	Pre-Install
1-Mar	NA	NA	*Lost*	21.05	Pre-Install	Pre-Install
2-Mar	NA	NA	*Lost*	21.18	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
3-Mar	19.95	21.27	20.63	21.36
4-Mar	20.01	21.01	20.77	21.24
5-Mar	19.82	20.92	20.47	20.98
6-Mar	19.91	20.95	20.61	20.90
7-Mar	20.06	20.98	20.23	20.92
8-Mar	20.14	21.05	20.58	20.95
9-Mar	20.21	20.90	20.58	21.02
10-Mar	20.01	21.06	20.28	20.87
11-Mar	19.94	21.15	20.08	21.03
12-Mar	19.94	21.18	20.20	21.12
13-Mar	19.94	21.31	19.79	21.15
14-Mar	19.91	21.40	19.15	21.28
15-Mar	19.93	21.46	18.81	21.37
16-Mar	20.09	21.47	18.74	21.43
17-Mar	20.29	21.48	18.73	21.45
18-Mar	20.30	21.47	18.84	21.46
19-Mar	20.46	21.79	19.04	21.44
20-Mar	20.43	22.38	19.50	21.76
21-Mar	20.39	22.42	19.94	22.36
22-Mar	20.70	22.09	20.18	22.39
23-Mar	21.01	21.98	20.15	22.07
24-Mar	20.99	21.88	20.06	21.96

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
3-Mar	20.84	21.39	19.97	20.00
4-Mar	20.51	21.27	20.03	20.05
5-Mar	20.66	21.01	19.83	20.43
6-Mar	20.36	20.92	19.93	20.50
7-Mar	20.68	20.95	20.08	20.54
8-Mar	20.62	20.98	20.16	20.42
9-Mar	20.35	21.05	20.22	20.45
10-Mar	20.15	20.90	20.03	20.70
11-Mar	20.27	21.06	19.96	20.76
12-Mar	19.83	21.15	19.95	20.74
13-Mar	19.16	21.18	19.96	20.85
14-Mar	18.88	21.31	19.93	21.09
15-Mar	18.81	21.40	19.95	21.48
16-Mar	18.81	21.46	20.11	21.65
17-Mar	18.90	21.47	20.31	21.66
18-Mar	19.14	21.48	20.33	21.61
19-Mar	19.60	21.47	20.48	21.61
20-Mar	20.02	21.79	20.46	21.77
21-Mar	20.26	22.38	20.41	21.83
22-Mar	20.22	22.42	20.73	22.46
23-Mar	20.14	22.09	21.03	22.28
24-Mar	20.58	21.98	21.01	22.08

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
3-Mar	NA	NA	*Lost*	21.11	Pre-Install	Pre-Install
4-Mar	NA	NA	*Lost*	21.01	Pre-Install	Pre-Install
5-Mar	NA	NA	*Lost*	20.74	Pre-Install	Pre-Install
6-Mar	NA	NA	*Lost*	20.81	Pre-Install	Pre-Install
7-Mar	NA	NA	*Lost*	20.85	Pre-Install	Pre-Install
8-Mar	NA	NA	*Lost*	20.92	Pre-Install	Pre-Install
9-Mar	NA	NA	*Lost*	20.73	Pre-Install	Pre-Install
10-Mar	NA	NA	*Lost*	20.50	Pre-Install	Pre-Install
11-Mar	NA	NA	*Lost*	20.68	Pre-Install	Pre-Install
12-Mar	NA	NA	*Lost*	21.06	Pre-Install	Pre-Install
13-Mar	NA	NA	*Lost*	21.06	Pre-Install	Pre-Install
14-Mar	NA	NA	*Lost*	21.18	Pre-Install	Pre-Install
15-Mar	NA	NA	*Lost*	21.23	Pre-Install	Pre-Install
16-Mar	NA	NA	*Lost*	21.06	Pre-Install	Pre-Install
17-Mar	NA	NA	*Lost*	21.08	Pre-Install	Pre-Install
18-Mar	NA	NA	*Lost*	21.22	Pre-Install	Pre-Install
19-Mar	NA	NA	*Lost*	21.24	Pre-Install	Pre-Install
20-Mar	NA	NA	*Lost*	21.37	Pre-Install	Pre-Install
21-Mar	NA	NA	*Lost*	21.39	Pre-Install	Pre-Install
22-Mar	NA	NA	*Lost*	21.48	Pre-Install	Pre-Install
23-Mar	NA	NA	*Lost*	21.50	Pre-Install	Pre-Install
24-Mar	NA	NA	*Lost*	21.44	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
25-Mar	20.95	22.08	20.49	21.86
26-Mar	20.99	22.20	20.58	21.97
27-Mar	20.49	22.28	20.57	21.83
28-Mar	20.56	22.36	21.32	21.83
29-Mar	21.20	22.33	21.73	22.00
30-Mar	21.88	22.44	21.66	21.91
31-Mar	21.64	22.43	21.51	22.07
1-Apr	21.90	22.49	21.88	22.21
2-Apr	22.27	22.79	21.48	22.38
3-Apr	22.03	22.67	21.73	22.55
4-Apr	22.48	22.61	21.99	22.49
5-Apr	22.12	23.00	22.00	22.52
6-Apr	21.98	22.98	21.96	22.48
7-Apr	21.50	23.06	21.57	23.10
8-Apr	21.59	23.07	21.76	23.05
9-Apr	21.79	22.98	21.81	22.84
10-Apr	21.45	23.12	21.85	22.88
11-Apr	22.32	23.26	22.61	23.06
12-Apr	22.57	23.64	22.59	23.62
13-Apr	21.29	23.84	22.16	24.00
14-Apr	21.73	23.99	22.74	24.07
15-Apr	22.76	24.02	23.03	24.14

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
25-Mar	20.62	21.88	20.97	21.95
26-Mar	20.66	21.81	21.02	22.14
27-Mar	21.44	22.07	20.51	22.25
28-Mar	21.83	21.88	20.57	22.34
29-Mar	21.62	22.00	21.22	22.41
30-Mar	21.71	21.79	21.90	22.38
31-Mar	21.87	22.14	21.66	22.49
1-Apr	21.57	22.31	21.92	22.49
2-Apr	21.81	22.48	22.30	22.54
3-Apr	22.08	22.79	22.05	22.84
4-Apr	22.05	22.65	22.50	22.73
5-Apr	21.98	22.59	22.14	22.65
6-Apr	21.64	22.50	22.01	23.05
7-Apr	21.83	23.46	21.52	23.03
8-Apr	21.88	23.13	21.60	23.12
9-Apr	21.96	23.09	21.81	23.12
10-Apr	22.66	23.55	21.48	23.04
11-Apr	22.64	23.00	22.34	23.18
12-Apr	22.25	23.87	22.59	23.32
13-Apr	22.85	24.02	21.31	23.70
14-Apr	23.07	24.02	21.74	23.89
15-Apr	22.65	24.18	22.79	24.04

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
25-Mar	NA	NA	*Lost*	21.35	Pre-Install	Pre-Install
26-Mar	NA	NA	*Lost*	21.23	Pre-Install	Pre-Install
27-Mar	NA	NA	*Lost*	21.23	Pre-Install	Pre-Install
28-Mar	NA	NA	*Lost*	21.49	Pre-Install	Pre-Install
29-Mar	NA	NA	*Lost*	21.63	Pre-Install	Pre-Install
30-Mar	NA	NA	*Lost*	21.71	Pre-Install	Pre-Install
31-Mar	NA	NA	*Lost*	21.61	Pre-Install	Pre-Install
1-Apr	NA	NA	*Lost*	21.50	Pre-Install	Pre-Install
2-Apr	NA	NA	*Lost*	21.62	Pre-Install	Pre-Install
3-Apr	NA	NA	*Lost*	21.61	Pre-Install	Pre-Install
4-Apr	NA	NA	*Lost*	21.57	Pre-Install	Pre-Install
5-Apr	NA	NA	*Lost*	21.56	Pre-Install	Pre-Install
6-Apr	NA	NA	*Lost*	21.58	Pre-Install	Pre-Install
7-Apr	NA	NA	*Lost*	21.60	Pre-Install	Pre-Install
8-Apr	NA	NA	*Lost*	21.58	Pre-Install	Pre-Install
9-Apr	NA	NA	*Lost*	21.54	Pre-Install	Pre-Install
10-Apr	NA	NA	*Lost*	21.54	Pre-Install	Pre-Install
11-Apr	NA	NA	*Lost*	21.53	Pre-Install	Pre-Install
12-Apr	NA	NA	*Lost*	21.63	Pre-Install	Pre-Install
13-Apr	NA	NA	*Lost*	21.70	Pre-Install	Pre-Install
14-Apr	NA	NA	*Lost*	21.81	Pre-Install	Pre-Install
15-Apr	NA	NA	*Lost*	21.94	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
16-Apr	22.95	23.99	22.61	24.12
17-Apr	22.49	23.80	22.63	24.25
18-Apr	22.61	23.71	22.61	24.17
19-Apr	22.69	23.71	21.80	24.11
20-Apr	22.16	23.49	21.94	24.14
21-Apr	21.91	23.19	22.27	23.90
22-Apr	22.66	23.19	22.50	23.59
23-Apr	22.94	23.13	23.08	23.59
24-Apr	23.22	23.21	23.30	23.61
25-Apr	23.75	23.29	23.48	23.67
26-Apr	23.56	23.45	23.21	23.56
27-Apr	23.11	23.51	23.45	23.57
28-Apr	22.79	23.63	23.16	23.73
29-Apr	23.29	23.79	23.16	23.80
30-Apr	23.78	23.87	23.37	23.82
1-May	24.18	24.10	23.76	24.00
2-May	24.24	24.13	23.91	24.24
3-May	24.23	24.21	24.16	24.41
4-May	23.97	24.04	24.19	24.36
5-May	23.59	23.94	23.94	24.37
6-May	23.67	24.32	23.81	24.45
7-May	23.77	24.38	23.86	24.55

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
16-Apr	22.68	24.26	22.98	24.07
17-Apr	22.67	24.35	22.52	24.04
18-Apr	21.77	24.26	22.64	23.85
19-Apr	22.05	24.26	22.71	23.77
20-Apr	22.36	24.22	22.19	23.77
21-Apr	22.61	23.82	21.94	23.53
22-Apr	23.15	23.65	22.69	23.25
23-Apr	23.40	23.62	22.96	23.24
24-Apr	23.60	23.61	23.23	23.20
25-Apr	23.24	23.78	23.77	23.27
26-Apr	23.54	23.55	23.58	23.35
27-Apr	23.19	23.63	23.13	23.50
28-Apr	23.21	23.77	22.81	23.57
29-Apr	23.52	23.87	23.31	23.69
30-Apr	23.80	23.94	23.80	23.85
1-May	24.04	24.07	24.20	23.93
2-May	24.21	24.54	24.26	24.17
3-May	24.24	24.47	24.24	24.19
4-May	24.01	24.49	23.98	24.27
5-May	23.86	24.46	23.61	24.08
6-May	23.93	24.57	23.69	24.01
7-May	24.32	24.61	23.78	24.39

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
16-Apr	NA	NA	*Lost*	22.21	Pre-Install	Pre-Install
17-Apr	NA	NA	*Lost*	22.29	Pre-Install	Pre-Install
18-Apr	NA	NA	*Lost*	22.61	Pre-Install	Pre-Install
19-Apr	NA	NA	*Lost*	22.57	Pre-Install	Pre-Install
20-Apr	NA	NA	*Lost*	22.77	Pre-Install	Pre-Install
21-Apr	NA	NA	*Lost*	22.60	Pre-Install	Pre-Install
22-Apr	NA	NA	*Lost*	22.70	Pre-Install	Pre-Install
23-Apr	NA	NA	*Lost*	23.03	Pre-Install	Pre-Install
24-Apr	NA	NA	*Lost*	23.01	Pre-Install	Pre-Install
25-Apr	NA	NA	*Lost*	22.95	Pre-Install	Pre-Install
26-Apr	NA	NA	*Lost*	22.98	Pre-Install	Pre-Install
27-Apr	NA	NA	*Lost*	22.88	Pre-Install	Pre-Install
28-Apr	NA	NA	*Lost*	23.14	Pre-Install	Pre-Install
29-Apr	NA	NA	*Lost*	23.33	Pre-Install	Pre-Install
30-Apr	NA	NA	*Lost*	23.54	Pre-Install	Pre-Install
1-May	NA	NA	*Lost*	23.65	Pre-Install	Pre-Install
2-May	NA	NA	*Lost*	23.63	Pre-Install	Pre-Install
3-May	NA	NA	*Lost*	23.88	Pre-Install	Pre-Install
4-May	NA	NA	*Lost*	23.74	Pre-Install	Pre-Install
5-May	NA	NA	*Lost*	23.80	Pre-Install	Pre-Install
6-May	NA	NA	*Lost*	23.50	Pre-Install	Pre-Install
7-May	NA	NA	*Lost*	23.48	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
8-May	23.97	24.47	24.22	24.60
9-May	24.24	24.56	24.54	24.66
10-May	25.08	24.83	24.90	24.68
11-May	25.36	25.15	25.14	24.73
12-May	25.32	25.00	25.23	24.72
13-May	24.89	24.98	24.98	24.76
14-May	24.64	24.96	24.51	24.85
15-May	24.60	24.81	24.33	24.88
16-May	24.55	24.63	24.49	25.00
17-May	24.44	24.95	24.53	25.13
18-May	24.61	25.26	24.42	25.28
19-May	24.64	25.31	24.63	24.77
20-May	24.70	25.09	24.82	24.84
21-May	24.92	25.34	25.01	25.40
22-May	25.06	25.42	25.18	25.67
23-May	25.42	25.83	25.37	25.13
24-May	25.59	25.83	25.52	25.17
25-May	25.71	25.68	25.69	25.24
26-May	25.65	25.61	25.81	25.37
27-May	25.65	25.29	26.06	25.79
28-May	26.10	25.52	26.29	25.78
29-May	26.71	25.57	26.66	25.89

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
8-May	24.64	24.70	23.99	24.45
9-May	24.97	24.77	24.25	24.53
10-May	25.23	24.80	25.10	24.61
11-May	25.29	24.76	25.38	24.89
12-May	25.00	24.75	25.34	25.21
13-May	24.55	25.06	24.92	25.04
14-May	24.40	25.08	24.66	25.04
15-May	24.54	25.57	24.56	25.00
16-May	24.58	24.82	24.60	24.87
17-May	24.50	25.21	24.48	24.71
18-May	24.86	25.32	24.65	25.02
19-May	24.83	24.71	24.68	25.33
20-May	25.07	24.55	24.73	25.35
21-May	25.21	25.72	24.96	25.13
22-May	25.40	26.07	25.10	25.40
23-May	25.55	25.20	25.46	25.54
24-May	25.70	24.64	25.63	25.88
25-May	25.87	25.10	25.74	25.86
26-May	26.11	24.70	25.68	25.72
27-May	26.36	25.28	25.68	25.65
28-May	26.66	25.26	26.14	25.89
29-May	26.66	25.11	26.74	26.30

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
8-May	NA	NA	*Lost*	23.63	Pre-Install	Pre-Install
9-May	NA	NA	*Lost*	23.68	Pre-Install	Pre-Install
10-May	NA	NA	*Lost*	23.61	Pre-Install	Pre-Install
11-May	NA	NA	*Lost*	23.59	Pre-Install	Pre-Install
12-May	NA	NA	*Lost*	23.50	Pre-Install	Pre-Install
13-May	NA	NA	*Lost*	23.59	Pre-Install	Pre-Install
14-May	NA	NA	*Lost*	23.72	Pre-Install	Pre-Install
15-May	NA	NA	*Lost*	23.45	Pre-Install	Pre-Install
16-May	NA	NA	*Lost*	23.44	Pre-Install	Pre-Install
17-May	NA	NA	*Lost*	23.65	Pre-Install	Pre-Install
18-May	NA	NA	*Lost*	23.52	Pre-Install	Pre-Install
19-May	NA	NA	*Lost*	23.85	Pre-Install	Pre-Install
20-May	NA	NA	*Lost*	23.84	Pre-Install	Pre-Install
21-May	NA	NA	*Lost*	23.88	Pre-Install	Pre-Install
22-May	NA	NA	*Lost*	23.84	Pre-Install	Pre-Install
23-May	NA	NA	*Lost*	23.72	Pre-Install	Pre-Install
24-May	NA	NA	*Lost*	23.95	Pre-Install	Pre-Install
25-May	NA	NA	*Lost*	23.96	Pre-Install	Pre-Install
26-May	NA	NA	*Lost*	23.92	Pre-Install	Pre-Install
27-May	NA	NA	*Lost*	23.79	Pre-Install	Pre-Install
28-May	NA	NA	*Lost*	23.68	Pre-Install	Pre-Install
29-May	NA	NA	*Lost*	23.56	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
30-May	26.87	25.87	26.66	26.30
31-May	27.04	26.27	26.64	25.26
1-Jun	27.10	26.22	26.83	25.20
2-Jun	27.12	25.79	27.02	26.41
3-Jun	27.14	26.08	26.98	26.77
4-Jun	27.18	27.09	27.01	27.11
5-Jun	27.41	26.77	27.01	25.94
6-Jun	27.60	25.80	27.18	24.55
7-Jun	27.77	24.99	27.47	23.46
8-Jun	27.86	24.91	27.60	24.36
9-Jun	27.85	24.95	27.69	24.98
10-Jun	27.82	24.84	27.70	25.93
11-Jun	27.87	25.17	27.64	25.98
12-Jun	27.95	25.54	26.84	26.07
13-Jun	28.06	26.13	27.36	26.05
14-Jun	27.95	26.87	26.92	26.57
15-Jun	27.42	26.40	26.32	26.66
16-Jun	28.36	25.63	26.36	28.03
17-Jun	28.10	25.41	27.88	27.94
18-Jun	28.27	25.20	27.79	27.90
19-Jun	28.40	25.29	26.90	27.61
20-Jun	28.68	25.74	26.81	26.77

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
30-May	26.88	27.67	26.89	25.86
31-May	26.99	26.22	27.07	26.26
1-Jun	27.04	25.79	27.13	26.31
2-Jun	26.99	26.08	27.15	25.87
3-Jun	26.97	27.09	27.16	26.03
4-Jun	27.25	26.77	27.21	27.02
5-Jun	27.52	25.80	27.44	26.93
6-Jun	27.63	24.99	27.62	25.95
7-Jun	27.68	24.91	27.79	25.15
8-Jun	27.71	24.95	27.88	24.87
9-Jun	27.53	24.84	27.88	24.88
10-Jun	26.79	25.17	27.85	24.94
11-Jun	27.49	25.54	27.90	25.23
12-Jun	26.72	26.13	27.97	25.44
13-Jun	26.39	26.87	28.10	26.16
14-Jun	26.43	26.40	27.99	26.82
15-Jun	28.01	25.63	27.47	26.45
16-Jun	27.69	25.41	28.40	25.77
17-Jun	26.81	25.20	28.11	25.46
18-Jun	26.97	25.29	28.29	25.21
19-Jun	27.43	25.74	28.42	25.26
20-Jun	27.72	26.42	28.70	25.71

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
30-May	NA	NA	*Lost*	23.67	Pre-Install	Pre-Install
31-May	NA	NA	*Lost*	23.71	Pre-Install	Pre-Install
1-Jun	NA	NA	*Lost*	23.67	Pre-Install	Pre-Install
2-Jun	NA	NA	*Lost*	23.85	Pre-Install	Pre-Install
3-Jun	NA	NA	*Lost*	23.81	Pre-Install	Pre-Install
4-Jun	NA	NA	*Lost*	24.31	Pre-Install	Pre-Install
5-Jun	NA	NA	*Lost*	25.20	Pre-Install	Pre-Install
6-Jun	NA	NA	*Lost*	23.75	Pre-Install	Pre-Install
7-Jun	NA	NA	*Lost*	22.47	Pre-Install	Pre-Install
8-Jun	NA	NA	*Lost*	22.20	Pre-Install	Pre-Install
9-Jun	NA	NA	*Lost*	22.29	Pre-Install	Pre-Install
10-Jun	NA	NA	*Lost*	22.42	Pre-Install	Pre-Install
11-Jun	NA	NA	*Lost*	22.57	Pre-Install	Pre-Install
12-Jun	NA	NA	*Lost*	22.63	Pre-Install	Pre-Install
13-Jun	NA	NA	*Lost*	22.72	Pre-Install	Pre-Install
14-Jun	NA	NA	*Lost*	22.66	Pre-Install	Pre-Install
15-Jun	NA	NA	*Lost*	22.62	Pre-Install	Pre-Install
16-Jun	NA	NA	*Lost*	22.53	Pre-Install	Pre-Install
17-Jun	NA	NA	*Lost*	22.61	Pre-Install	Pre-Install
18-Jun	NA	NA	*Lost*	22.59	Pre-Install	Pre-Install
19-Jun	NA	NA	*Lost*	22.56	Pre-Install	Pre-Install
20-Jun	NA	NA	*Lost*	22.40	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
21-Jun	28.54	26.42	27.56	26.01
22-Jun	28.49	27.58	27.67	26.56
23-Jun	28.08	28.07	27.66	26.82
24-Jun	28.32	28.38	27.83	26.73
25-Jun	28.48	28.25	27.94	27.06
26-Jun	28.34	27.76	27.51	28.26
27-Jun	28.53	27.42	27.84	28.32
28-Jun	28.76	27.99	27.88	27.57
29-Jun	28.98	27.96	27.98	26.70
30-Jun	28.77	27.53	27.53	25.75
1-Jul	28.89	27.92	27.28	26.55
2-Jul	28.89	28.16	27.24	27.00
3-Jul	28.95	28.30	27.69	27.13
4-Jul	28.93	28.56	27.56	27.25
5-Jul	28.91	28.66	28.73	27.20
6-Jul	28.79	28.69	28.67	27.39
7-Jul	28.90	28.80	28.19	27.89
8-Jul	29.02	28.76	28.85	27.48
9-Jul	28.95	28.83	28.96	27.78
10-Jul	29.03	28.70	29.02	28.02
11-Jul	29.10	28.84	28.98	27.98
12-Jul	29.14	28.89	29.09	27.43

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
21-Jun	27.72	27.58	28.56	26.21
22-Jun	27.90	28.07	28.50	27.63
23-Jun	27.68	28.38	28.08	27.98
24-Jun	27.64	28.25	28.33	28.40
25-Jun	27.92	27.76	28.51	28.33
26-Jun	27.94	27.42	28.36	27.86
27-Jun	27.98	27.99	28.55	27.41
28-Jun	27.46	27.96	28.78	27.99
29-Jun	27.19	27.53	29.00	27.90
30-Jun	27.34	27.92	28.78	27.69
1-Jul	27.62	28.16	28.91	27.89
2-Jul	27.76	28.30	28.91	28.20
3-Jul	28.73	28.56	28.97	28.27
4-Jul	28.59	28.66	28.95	28.56
5-Jul	28.31	28.69	28.93	28.72
6-Jul	28.86	28.80	28.81	28.72
7-Jul	28.97	28.76	28.93	28.82
8-Jul	29.03	28.83	29.03	28.79
9-Jul	29.01	28.70	28.97	28.85
10-Jul	29.08	28.84	29.05	28.73
11-Jul	29.03	28.89	29.12	28.82
12-Jul	28.95	28.73	29.15	28.93

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
21-Jun	NA	NA	*Lost*	22.55	Pre-Install	Pre-Install
22-Jun	NA	NA	*Lost*	22.62	Pre-Install	Pre-Install
23-Jun	NA	NA	*Lost*	23.12	Pre-Install	Pre-Install
24-Jun	NA	NA	*Lost*	24.18	Pre-Install	Pre-Install
25-Jun	NA	NA	*Lost*	24.62	Pre-Install	Pre-Install
26-Jun	NA	NA	*Lost*	24.50	Pre-Install	Pre-Install
27-Jun	NA	NA	*Lost*	24.74	Pre-Install	Pre-Install
28-Jun	NA	NA	*Lost*	24.25	Pre-Install	Pre-Install
29-Jun	NA	NA	*Lost*	24.73	Pre-Install	Pre-Install
30-Jun	NA	NA	*Lost*	24.75	Pre-Install	Pre-Install
1-Jul	NA	NA	*Lost*	24.49	Pre-Install	Pre-Install
2-Jul	NA	NA	*Lost*	24.92	Pre-Install	Pre-Install
3-Jul	NA	NA	*Lost*	25.07	Pre-Install	Pre-Install
4-Jul	NA	NA	*Lost*	25.02	Pre-Install	Pre-Install
5-Jul	NA	NA	*Lost*	25.35	Pre-Install	Pre-Install
6-Jul	NA	NA	*Lost*	25.68	Pre-Install	Pre-Install
7-Jul	NA	NA	*Lost*	25.99	Pre-Install	Pre-Install
8-Jul	NA	NA	*Lost*	25.71	Pre-Install	Pre-Install
9-Jul	NA	NA	*Lost*	25.50	Pre-Install	Pre-Install
10-Jul	NA	NA	*Lost*	25.39	Pre-Install	Pre-Install
11-Jul	NA	NA	*Lost*	25.49	Pre-Install	Pre-Install
12-Jul	NA	NA	*Lost*	25.81	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
13-Jul	29.24	28.73	29.04	27.79
14-Jul	29.40	28.63	28.96	28.28
15-Jul	29.48	28.48	28.97	27.91
16-Jul	29.42	28.50	29.07	28.05
17-Jul	29.44	28.68	28.74	28.04
18-Jul	29.50	28.99	29.02	27.60
19-Jul	29.19	29.20	28.86	26.48
20-Jul	28.95	29.36	28.92	26.15
21-Jul	28.96	29.43	29.14	26.17
22-Jul	29.48	29.62	29.34	25.97
23-Jul	29.50	29.62	29.50	26.13
24-Jul	29.49	29.68	29.46	27.01
25-Jul	29.60	29.67	29.49	27.92
26-Jul	29.39	29.66	29.64	28.57
27-Jul	29.46	29.57	29.60	29.40
28-Jul	29.40	29.52	29.47	29.27
29-Jul	29.57	29.63	29.58	29.46
30-Jul	29.64	29.54	29.46	29.49
31-Jul	29.62	29.55	29.65	29.51
1-Aug	29.61	29.58	29.64	29.23
2-Aug	29.67	29.47	29.65	28.87
3-Aug	29.76	29.66	29.55	28.77

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
13-Jul	28.97	28.63	29.26	28.84
14-Jul	29.07	28.48	29.42	28.64
15-Jul	28.77	28.50	29.50	28.54
16-Jul	28.96	28.68	29.43	28.53
17-Jul	28.88	28.99	29.46	28.67
18-Jul	28.99	29.20	29.49	28.99
19-Jul	29.16	29.36	29.20	29.20
20-Jul	29.35	29.43	28.96	29.36
21-Jul	29.49	29.62	29.00	29.39
22-Jul	29.50	29.62	29.51	29.67
23-Jul	29.50	29.68	29.51	29.64
24-Jul	29.63	29.67	29.52	29.69
25-Jul	29.59	29.66	29.62	29.69
26-Jul	29.46	29.57	29.41	29.69
27-Jul	29.52	29.52	29.47	29.61
28-Jul	29.50	29.63	29.42	29.54
29-Jul	29.69	29.54	29.60	29.65
30-Jul	29.62	29.55	29.66	29.56
31-Jul	29.66	29.58	29.63	29.57
1-Aug	29.54	29.47	29.63	29.61
2-Aug	29.65	29.66	29.69	29.49
3-Aug	29.75	29.75	29.78	29.66

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
13-Jul	28.85	28.13	*Lost*	25.82	Pre-Install	Pre-Install
14-Jul	28.75	27.70	*Lost*	26.09	Pre-Install	Pre-Install
15-Jul	28.82	27.64	*Lost*	25.96	Pre-Install	Pre-Install
16-Jul	28.64	27.56	*Lost*	25.81	Pre-Install	Pre-Install
17-Jul	28.37	27.23	*Lost*	25.60	Pre-Install	Pre-Install
18-Jul	28.34	26.85	*Lost*	25.57	Pre-Install	Pre-Install
19-Jul	28.39	26.95	*Lost*	25.94	Pre-Install	Pre-Install
20-Jul	28.82	26.96	*Lost*	26.36	Pre-Install	Pre-Install
21-Jul	28.66	26.78	*Lost*	25.78	Pre-Install	Pre-Install
22-Jul	29.12	26.96	*Lost*	25.79	Pre-Install	Pre-Install
23-Jul	29.14	28.15	*Lost*	25.97	Pre-Install	Pre-Install
24-Jul	29.51	28.24	*Lost*	25.82	Pre-Install	Pre-Install
25-Jul	29.19	28.68	28.43	26.52	Pre-Install	Pre-Install
26-Jul	29.14	28.58	28.49	26.43	Pre-Install	Pre-Install
27-Jul	29.55	28.44	28.34	26.81	Pre-Install	Pre-Install
28-Jul	29.50	28.45	28.48	26.63	Pre-Install	Pre-Install
29-Jul	29.40	28.58	28.60	26.59	Pre-Install	Pre-Install
30-Jul	29.62	28.90	28.80	26.72	Pre-Install	Pre-Install
31-Jul	29.66	29.37	28.42	27.03	Pre-Install	Pre-Install
1-Aug	29.64	29.42	28.31	27.32	Pre-Install	Pre-Install
2-Aug	29.74	29.66	28.08	26.87	Pre-Install	Pre-Install
3-Aug	29.76	29.48	28.36	26.62	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
4-Aug	29.80	29.75	29.62	28.79
5-Aug	29.73	29.68	29.75	28.17
6-Aug	29.84	30.10	29.63	28.24
7-Aug	29.80	30.30	29.56	30.05
8-Aug	29.63	30.24	29.42	29.75
9-Aug	29.66	30.24	29.47	29.82
10-Aug	29.73	30.24	29.73	29.89
11-Aug	29.88	30.34	29.91	29.66
12-Aug	29.93	29.81	30.14	29.81
13-Aug	29.77	30.04	30.12	29.92
14-Aug	29.80	30.19	30.00	29.97
15-Aug	30.04	30.21	30.14	29.85
16-Aug	30.30	30.47	30.23	29.43
17-Aug	30.25	30.47	30.11	29.69
18-Aug	30.28	30.38	30.21	29.72
19-Aug	30.19	30.31	30.16	29.47
20-Aug	30.02	30.49	30.02	29.53
21-Aug	30.12	30.47	30.06	29.68
22-Aug	30.23	30.43	30.36	29.85
23-Aug	29.69	30.35	30.65	29.88
24-Aug	29.46	30.36	29.69	29.53
25-Aug	29.41	30.37	29.46	28.75

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
4-Aug	29.59	29.68	29.82	29.78
5-Aug	29.59	30.10	29.75	29.70
6-Aug	29.38	30.30	29.86	29.61
7-Aug	29.51	29.54	29.83	29.49
8-Aug	29.76	29.55	29.64	30.27
9-Aug	29.93	30.02	29.68	30.02
10-Aug	30.16	30.24	29.76	30.24
11-Aug	30.09	29.62	29.90	29.62
12-Aug	30.00	30.04	29.94	30.04
13-Aug	30.17	30.29	29.78	30.29
14-Aug	30.21	30.44	29.84	30.44
15-Aug	30.14	30.50	30.07	30.50
16-Aug	30.22	30.42	30.32	30.42
17-Aug	30.14	30.24	30.28	30.24
18-Aug	29.99	30.32	30.31	30.32
19-Aug	30.13	30.55	30.31	30.55
20-Aug	30.37	30.42	30.31	30.42
21-Aug	30.44	30.37	30.31	30.37
22-Aug	29.83	30.27	30.31	30.27
23-Aug	29.63	30.47	30.31	30.47
24-Aug	29.75	30.39	29.79	30.39
25-Aug	29.33	30.22	29.59	30.22

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
4-Aug	29.88	29.49	28.72	26.59	Pre-Install	Pre-Install
5-Aug	29.83	29.56	28.94	26.68	Pre-Install	Pre-Install
6-Aug	29.73	29.55	28.96	26.69	Pre-Install	Pre-Install
7-Aug	29.79	29.16	28.96	27.06	Pre-Install	Pre-Install
8-Aug	29.74	29.14	29.04	27.11	Pre-Install	Pre-Install
9-Aug	29.76	29.55	29.14	27.13	Pre-Install	Pre-Install
10-Aug	29.96	29.77	28.96	26.82	Pre-Install	Pre-Install
11-Aug	29.98	29.92	28.70	26.80	Pre-Install	Pre-Install
12-Aug	29.97	29.97	29.27	27.14	Pre-Install	Pre-Install
13-Aug	29.88	29.89	29.68	27.94	Pre-Install	Pre-Install
14-Aug	30.01	29.85	29.65	27.85	Pre-Install	Pre-Install
15-Aug	30.23	29.80	29.52	27.60	Pre-Install	Pre-Install
16-Aug	30.38	30.17	29.45	27.68	Pre-Install	Pre-Install
17-Aug	30.34	30.24	29.60	27.77	Pre-Install	Pre-Install
18-Aug	30.34	30.15	29.55	27.66	Pre-Install	Pre-Install
19-Aug	30.12	30.00	29.48	27.64	Pre-Install	Pre-Install
20-Aug	*Lost*	29.82	29.32	27.41	Pre-Install	Pre-Install
21-Aug	*Lost*	30.08	29.18	27.20	Pre-Install	Pre-Install
22-Aug	*Lost*	30.27	29.13	27.06	Pre-Install	Pre-Install
23-Aug	*Lost*	29.83	28.74	27.18	Pre-Install	Pre-Install
24-Aug	*Lost*	29.48	28.59	27.20	Pre-Install	Pre-Install
25-Aug	*Lost*	28.78	28.83	27.06	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
26-Aug	28.51	30.31	29.41	29.85
27-Aug	28.63	30.21	28.50	29.72
28-Aug	28.83	30.07	28.63	29.63
29-Aug	29.06	29.96	28.83	29.88
30-Aug	28.90	29.86	29.05	29.49
31-Aug	29.25	29.80	28.89	29.68
1-Sep	29.26	29.51	29.25	29.87
2-Sep	29.93	29.46	29.25	30.21
3-Sep	29.33	29.62	29.92	29.97
4-Sep	28.68	29.64	29.32	29.89
5-Sep	28.77	29.70	28.67	29.91
6-Sep	28.74	29.74	28.77	29.88
7-Sep	28.51	29.82	28.74	29.78
8-Sep	28.36	29.87	28.51	29.72
9-Sep	28.47	29.87	28.37	29.75
10-Sep	28.13	29.85	28.48	29.59
11-Sep	28.31	29.75	28.13	29.41
12-Sep	29.02	29.59	28.31	29.40
13-Sep	29.29	29.51	29.02	29.43
14-Sep	29.06	29.44	29.30	29.37
15-Sep	28.86	29.61	29.07	29.33
16-Sep	28.32	29.46	28.86	29.41

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
26-Aug	29.24	30.14	29.71	30.14
27-Aug	28.92	29.97	29.28	29.97
28-Aug	29.36	30.17	29.20	30.17
29-Aug	29.69	29.72	28.88	29.72
30-Aug	29.51	29.67	29.31	29.67
31-Aug	29.56	29.34	29.64	29.34
1-Sep	29.80	29.37	29.46	29.37
2-Sep	29.65	29.54	29.52	29.54
3-Sep	29.33	29.62	29.77	29.62
4-Sep	29.04	29.74	29.59	29.74
5-Sep	29.38	29.72	29.27	29.72
6-Sep	29.70	29.82	28.97	29.82
7-Sep	29.58	29.84	29.32	29.84
8-Sep	29.39	29.87	29.66	29.87
9-Sep	29.15	29.87	29.54	29.87
10-Sep	29.23	29.74	29.35	29.74
11-Sep	29.41	29.52	29.11	29.52
12-Sep	29.53	29.52	29.18	29.52
13-Sep	29.53	29.41	29.37	29.41
14-Sep	28.89	29.74	29.49	29.74
15-Sep	28.71	29.17	29.49	29.17
16-Sep	28.83	29.27	28.85	29.27

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
26-Aug	*Lost*	27.22	29.06	27.51	Pre-Install	Pre-Install
27-Aug	*Lost*	25.31	29.15	27.90	Pre-Install	Pre-Install
28-Aug	*Lost*	26.09	28.98	27.33	Pre-Install	Pre-Install
29-Aug	*Lost*	28.03	29.08	27.55	Pre-Install	Pre-Install
30-Aug	*Lost*	26.99	29.20	27.83	Pre-Install	Pre-Install
31-Aug	*Lost*	26.87	28.72	26.41	Pre-Install	Pre-Install
1-Sep	*Lost*	25.96	28.35	26.79	Pre-Install	Pre-Install
2-Sep	*Lost*	26.20	29.04	27.44	Pre-Install	Pre-Install
3-Sep	*Lost*	26.51	29.48	27.80	Pre-Install	Pre-Install
4-Sep	*Lost*	27.29	29.53	28.34	Pre-Install	Pre-Install
5-Sep	*Lost*	28.72	29.64	28.66	Pre-Install	Pre-Install
6-Sep	*Lost*	28.73	29.72	28.62	Pre-Install	Pre-Install
7-Sep	*Lost*	28.54	29.78	28.67	Pre-Install	Pre-Install
8-Sep	*Lost*	28.38	29.84	29.23	Pre-Install	Pre-Install
9-Sep	*Lost*	28.45	29.84	29.19	Pre-Install	Pre-Install
10-Sep	*Lost*	28.13	29.85	29.46	Pre-Install	Pre-Install
11-Sep	*Lost*	28.21	29.70	29.55	Pre-Install	Pre-Install
12-Sep	*Lost*	28.89	29.55	29.54	Pre-Install	Pre-Install
13-Sep	*Lost*	29.26	29.49	29.48	Pre-Install	Pre-Install
14-Sep	*Lost*	29.10	29.42	29.38	Pre-Install	Pre-Install
15-Sep	*Lost*	28.66	29.53	28.96	Pre-Install	Pre-Install
16-Sep	*Lost*	27.67	29.43	28.95	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
17-Sep	28.53	29.28	28.32	29.39
18-Sep	28.86	29.26	28.53	29.25
19-Sep	28.91	29.43	28.86	29.24
20-Sep	28.87	29.37	28.90	29.18
21-Sep	28.96	29.28	28.87	29.18
22-Sep	28.76	29.17	28.96	29.23
23-Sep	28.51	29.06	28.75	29.20
24-Sep	28.21	29.07	28.50	29.21
25-Sep	28.44	29.12	28.20	29.15
26-Sep	28.65	29.12	28.43	29.21
27-Sep	28.80	29.05	28.64	29.04
28-Sep	28.75	29.01	28.80	29.02
29-Sep	28.67	29.04	28.74	28.67
30-Sep	28.50	29.07	28.66	28.50
1-Oct	28.20	28.98	28.49	28.43
2-Oct	27.97	28.72	28.19	28.38
3-Oct	28.02	28.29	27.96	28.37
4-Oct	27.91	28.24	28.01	28.16
5-Oct	27.90	28.25	27.90	28.40
6-Oct	27.84	28.23	27.88	28.12
7-Oct	27.87	28.22	27.82	28.19
8-Oct	27.98	28.20	27.85	28.27

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
17-Sep	29.26	29.32	28.66	29.32
18-Sep	28.86	29.44	28.78	29.44
19-Sep	28.68	29.37	29.20	29.37
20-Sep	28.48	29.27	28.82	29.27
21-Sep	28.33	29.19	28.61	29.19
22-Sep	26.94	29.04	28.43	29.04
23-Sep	24.31	29.07	28.26	29.07
24-Sep	26.92	29.12	26.91	29.12
25-Sep	28.49	29.04	24.25	29.04
26-Sep	28.75	29.07	26.87	29.07
27-Sep	28.68	28.99	28.44	28.99
28-Sep	28.67	29.02	28.70	29.02
29-Sep	28.63	29.07	28.62	29.07
30-Sep	28.53	28.87	28.62	28.87
1-Oct	28.44	28.39	28.57	28.39
2-Oct	28.35	28.27	28.47	28.27
3-Oct	28.32	28.20	28.39	28.20
4-Oct	28.42	28.27	28.29	28.27
5-Oct	28.44	28.22	28.26	28.22
6-Oct	28.54	28.22	28.37	28.22
7-Oct	28.37	28.17	28.38	28.17
8-Oct	28.29	27.95	28.47	27.95

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
17-Sep	*Lost*	28.37	29.35	29.22	Pre-Install	Pre-Install
18-Sep	*Lost*	28.80	29.29	29.08	Pre-Install	Pre-Install
19-Sep	*Lost*	27.35	29.36	29.17	Pre-Install	Pre-Install
20-Sep	*Lost*	25.87	29.34	29.30	Pre-Install	Pre-Install
21-Sep	*Lost*	28.71	29.24	28.79	Pre-Install	Pre-Install
22-Sep	*Lost*	28.48	29.15	28.57	Pre-Install	Pre-Install
23-Sep	*Lost*	25.09	29.01	28.86	Pre-Install	Pre-Install
24-Sep	*Lost*	23.86	29.02	29.02	Pre-Install	Pre-Install
25-Sep	*Lost*	24.55	29.11	29.11	Pre-Install	Pre-Install
26-Sep	*Lost*	25.70	29.12	29.13	Pre-Install	Pre-Install
27-Sep	*Lost*	25.91	29.09	29.09	Pre-Install	Pre-Install
28-Sep	*Lost*	26.37	29.05	29.05	Pre-Install	Pre-Install
29-Sep	*Lost*	25.96	29.02	29.05	Pre-Install	Pre-Install
30-Sep	*Lost*	25.48	29.05	29.06	Pre-Install	Pre-Install
1-Oct	*Lost*	25.15	29.03	29.06	Pre-Install	Pre-Install
2-Oct	*Lost*	24.74	28.89	28.92	Pre-Install	Pre-Install
3-Oct	*Lost*	26.08	28.46	28.43	Pre-Install	Pre-Install
4-Oct	*Lost*	27.00	28.23	28.24	Pre-Install	Pre-Install
5-Oct	*Lost*	27.61	28.21	28.22	Pre-Install	Pre-Install
6-Oct	*Lost*	27.53	28.23	28.25	Pre-Install	Pre-Install
7-Oct	*Lost*	27.79	28.21	28.23	Pre-Install	Pre-Install
8-Oct	*Lost*	27.83	28.20	28.21	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
9-Oct	27.77	28.07	27.96	28.16
10-Oct	27.81	27.79	27.75	28.12
11-Oct	27.79	27.76	27.79	28.03
12-Oct	27.83	27.76	27.78	27.70
13-Oct	27.76	27.80	27.82	27.86
14-Oct	27.21	27.82	27.74	27.67
15-Oct	27.20	27.86	27.20	27.86
16-Oct	27.13	27.88	27.18	27.97
17-Oct	26.95	27.88	27.11	28.06
18-Oct	26.97	27.77	26.94	27.93
19-Oct	26.76	27.68	26.95	27.83
20-Oct	26.64	27.55	26.75	27.77
21-Oct	26.62	27.59	26.62	27.67
22-Oct	26.59	27.59	26.61	27.71
23-Oct	26.62	27.59	26.57	27.68
24-Oct	26.68	27.62	26.61	27.63
25-Oct	26.71	27.54	26.67	27.80
26-Oct	26.53	27.55	26.70	27.41
27-Oct	26.42	27.57	26.52	26.99
28-Oct	26.31	27.55	26.40	26.71
29-Oct	25.94	27.35	26.28	26.75
30-Oct	25.64	26.98	25.93	26.71

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
9-Oct	28.35	27.70	28.31	27.70
10-Oct	28.37	27.70	28.22	27.70
11-Oct	28.07	27.73	28.29	27.73
12-Oct	27.61	27.75	28.31	27.75
13-Oct	27.50	27.80	28.01	27.80
14-Oct	27.40	27.85	27.55	27.85
15-Oct	27.35	27.88	27.43	27.88
16-Oct	27.34	27.80	27.34	27.80
17-Oct	27.30	27.65	27.30	27.65
18-Oct	27.15	27.53	27.28	27.53
19-Oct	26.39	27.51	27.24	27.51
20-Oct	26.21	27.55	27.08	27.55
21-Oct	26.43	27.65	26.32	27.65
22-Oct	26.67	27.75	26.14	27.75
23-Oct	26.53	27.51	26.38	27.51
24-Oct	26.48	27.48	26.62	27.48
25-Oct	26.37	27.53	26.47	27.53
26-Oct	26.34	27.58	26.43	27.58
27-Oct	26.18	27.46	26.32	27.46
28-Oct	26.24	27.24	26.29	27.24
29-Oct	25.96	26.82	26.12	26.82
30-Oct	25.95	26.45	26.16	26.45

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
9-Oct	*Lost*	27.64	28.19	28.20	Pre-Install	Pre-Install
10-Oct	*Lost*	27.60	28.01	28.04	Pre-Install	Pre-Install
11-Oct	*Lost*	27.67	27.74	27.78	Pre-Install	Pre-Install
12-Oct	*Lost*	27.56	27.73	27.76	Pre-Install	Pre-Install
13-Oct	*Lost*	27.48	27.74	27.76	Pre-Install	Pre-Install
14-Oct	*Lost*	27.15	27.78	27.80	Pre-Install	Pre-Install
15-Oct	*Lost*	27.23	27.79	27.81	Pre-Install	Pre-Install
16-Oct	*Lost*	26.88	27.83	27.86	Pre-Install	Pre-Install
17-Oct	*Lost*	26.46	27.84	27.86	Pre-Install	Pre-Install
18-Oct	*Lost*	26.34	27.86	27.90	Pre-Install	Pre-Install
19-Oct	*Lost*	26.52	27.79	27.82	Pre-Install	Pre-Install
20-Oct	*Lost*	26.52	27.68	27.69	Pre-Install	Pre-Install
21-Oct	*Lost*	26.55	27.54	27.56	Pre-Install	Pre-Install
22-Oct	*Lost*	26.56	27.52	27.52	Pre-Install	Pre-Install
23-Oct	*Lost*	26.62	27.51	27.51	Pre-Install	Pre-Install
24-Oct	*Lost*	26.67	27.46	27.47	Pre-Install	Pre-Install
25-Oct	*Lost*	26.59	27.46	27.46	Pre-Install	Pre-Install
26-Oct	*Lost*	26.49	27.49	27.48	Pre-Install	Pre-Install
27-Oct	*Lost*	26.38	27.47	27.49	Pre-Install	Pre-Install
28-Oct	*Lost*	26.31	27.52	27.55	Pre-Install	Pre-Install
29-Oct	*Lost*	25.97	27.55	27.58	Pre-Install	Pre-Install
30-Oct	*Lost*	25.65	27.34	27.35	Pre-Install	Pre-Install

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
31-Oct	25.60	26.65	25.62	26.62
1-Nov	25.49	26.51	25.58	26.56
2-Nov	25.46	26.50	25.47	26.61
3-Nov	25.42	26.47	25.44	26.53
4-Nov	25.14	26.42	25.40	26.74
5-Nov	25.14	26.48	25.12	26.69
6-Nov	25.36	26.42	25.12	26.74
7-Nov	25.37	26.37	25.34	26.99
8-Nov	25.36	26.92	25.35	26.68
9-Nov	25.18	26.71	25.34	26.51
10-Nov	24.79	26.43	25.16	26.40
11-Nov	24.44	26.04	24.77	26.02
12-Nov	24.60	25.89	24.42	25.92
13-Nov	25.08	26.29	24.58	25.79
14-Nov	24.94	26.11	25.06	25.62
15-Nov	24.96	26.05	24.92	26.01
16-Nov	25.44	25.89	24.94	26.01
17-Nov	25.28	25.96	25.42	25.95
18-Nov	24.96	25.93	25.27	25.85
19-Nov	24.88	25.91	24.94	25.92
20-Nov	24.90	25.86	24.86	25.84
21-Nov	24.90	25.79	24.88	25.80
22-Nov	24.86	25.72	24.88	25.73
23-Nov	24.71	25.35	24.84	25.69
24-Nov	24.67	25.44	24.69	25.63

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
31-Oct	26.12	26.50	25.89	26.50
1-Nov	26.08	26.45	25.87	26.45
2-Nov	25.97	26.45	26.05	26.45
3-Nov	25.75	26.40	26.01	26.40
4-Nov	25.31	26.55	25.90	26.55
5-Nov	25.33	26.35	25.68	26.35
6-Nov	25.22	26.35	25.24	26.35
7-Nov	24.82	26.38	25.26	26.38
8-Nov	24.79	26.92	25.15	26.92
9-Nov	25.02	26.71	24.75	26.71
10-Nov	24.89	26.43	24.72	26.43
11-Nov	24.57	26.04	24.94	26.04
12-Nov	24.40	25.89	24.81	25.89
13-Nov	24.33	26.29	24.50	26.29
14-Nov	24.82	26.11	24.33	26.11
15-Nov	24.91	26.05	24.26	26.05
16-Nov	25.01	25.89	24.75	25.89
17-Nov	25.11	25.96	24.83	25.96
18-Nov	24.99	25.93	24.93	25.93
19-Nov	24.95	25.91	25.04	25.91
20-Nov	24.91	25.86	24.91	25.86
21-Nov	24.92	25.79	24.88	25.79
22-Nov	24.95	25.72	24.83	25.72
23-Nov	24.89	25.35	24.85	25.35
24-Nov	24.81	25.44	24.87	25.44

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
31-Oct	*Lost*	25.61	27.18	27.14	Pre-Install	Pre-Install
1-Nov	*Lost*	25.51	26.82	26.83	Pre-Install	Pre-Install
2-Nov	*Lost*	25.46	26.50	26.53	Pre-Install	Pre-Install
3-Nov	*Lost*	25.43	26.49	26.51	Pre-Install	Pre-Install
4-Nov	*Lost*	25.15	26.46	26.48	Pre-Install	Pre-Install
5-Nov	*Lost*	25.23	26.42	26.43	Pre-Install	Pre-Install
6-Nov	*Lost*	25.36	26.37	26.39	Pre-Install	Pre-Install
7-Nov	*Lost*	25.36	26.43	26.46	Pre-Install	Pre-Install
8-Nov	*Lost*	25.32	26.37	26.40	Pre-Install	Pre-Install
9-Nov	*Lost*	25.15	26.64	26.69	Pre-Install	Pre-Install
10-Nov	*Lost*	24.76	26.36	26.41	26.57	26.08
11-Nov	*Lost*	24.41	25.98	26.03	26.49	25.96
12-Nov	*Lost*	24.54	25.83	25.88	26.08	25.54
13-Nov	*Lost*	24.77	26.11	26.12	25.98	25.44
14-Nov	*Lost*	24.78	26.00	26.04	25.87	25.30
15-Nov	*Lost*	24.58	25.96	26.00	25.72	24.90
16-Nov	*Lost*	25.22	25.81	25.86	26.09	25.55
17-Nov	*Lost*	25.30	25.88	25.93	26.09	25.56
18-Nov	*Lost*	24.96	25.84	25.88	26.03	25.50
19-Nov	*Lost*	24.88	25.83	25.88	25.93	25.41
20-Nov	*Lost*	24.81	25.79	25.84	26.00	25.48
21-Nov	*Lost*	24.64	25.71	25.76	25.93	25.41
22-Nov	*Lost*	24.57	25.67	25.73	25.89	25.37
23-Nov	*Lost*	24.63	25.36	25.41	25.82	25.31
24-Nov	*Lost*	24.62	25.35	25.38	25.77	25.27

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
25-Nov	24.65	25.55	24.64	25.57
26-Nov	24.50	25.54	24.63	25.57
27-Nov	24.52	25.45	24.48	25.47
28-Nov	24.24	25.31	24.50	25.37
29-Nov	24.07	24.91	24.22	25.11
30-Nov	23.90	24.49	24.05	25.00
1-Dec	23.79	24.65	23.88	25.23
2-Dec	23.79	25.16	23.77	25.08
3-Dec	23.72	25.38	23.77	24.99
4-Dec	23.67	25.33	23.70	25.11
5-Dec	23.67	25.27	23.65	25.06
6-Dec	23.46	25.15	23.65	25.04
7-Dec	23.17	25.32	23.44	25.11
8-Dec	23.12	25.31	23.15	25.39
9-Dec	23.03	25.47	23.10	25.72
10-Dec	22.90	25.49	23.01	25.59
11-Dec	22.84	25.24	22.88	25.29
12-Dec	22.91	25.09	22.81	25.24
13-Dec	22.99	24.98	22.89	25.21
14-Dec	22.91	24.97	22.97	25.18
15-Dec	22.84	25.08	22.89	25.11
16-Dec	22.77	25.08	22.82	24.94
17-Dec	22.79	25.00	22.75	24.83
18-Dec	22.71	24.77	22.76	24.26
19-Dec	22.76	24.31	22.69	24.57
20-Dec	22.70	24.05	22.74	24.86
21-Dec	22.65	23.69	22.68	24.55

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
25-Nov	24.75	25.55	24.81	25.55
26-Nov	24.69	25.54	24.74	25.54
27-Nov	24.38	25.45	24.68	25.45
28-Nov	24.12	25.31	24.62	25.31
29-Nov	24.05	24.91	24.30	24.91
30-Nov	23.96	24.49	24.04	24.49
1-Dec	23.79	24.65	23.99	24.65
2-Dec	23.73	25.16	23.89	25.16
3-Dec	23.70	25.38	23.71	25.38
4-Dec	23.69	25.33	23.65	25.33
5-Dec	23.66	25.27	23.63	25.27
6-Dec	23.50	25.15	23.62	25.15
7-Dec	23.29	25.32	23.58	25.32
8-Dec	23.19	25.31	23.42	25.31
9-Dec	23.06	25.47	23.21	25.47
10-Dec	22.92	25.49	23.11	25.49
11-Dec	22.78	25.24	22.98	25.24
12-Dec	22.76	25.09	22.84	25.09
13-Dec	22.80	24.98	22.70	24.98
14-Dec	22.80	24.97	22.68	24.97
15-Dec	22.89	25.08	22.72	25.08
16-Dec	22.81	25.08	22.72	25.08
17-Dec	22.78	25.00	22.81	25.00
18-Dec	22.84	24.77	22.73	24.77
19-Dec	22.74	24.31	22.69	24.31
20-Dec	22.82	24.05	22.76	24.05
21-Dec	22.79	23.69	22.66	23.69

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
25-Nov	*Lost*	24.65	25.48	25.53	25.71	25.21
26-Nov	*Lost*	24.50	25.47	25.53	25.64	25.14
27-Nov	*Lost*	24.55	25.38	25.44	25.66	25.17
28-Nov	*Lost*	24.28	25.25	25.31	25.54	25.05
29-Nov	*Lost*	24.09	24.85	24.89	25.45	24.97
30-Nov	*Lost*	23.91	24.42	24.47	25.17	24.64
1-Dec	*Lost*	23.80	24.57	24.61	25.11	24.52
2-Dec	*Lost*	23.81	24.93	24.94	25.34	24.83
3-Dec	*Lost*	23.75	25.00	25.02	25.14	24.61
4-Dec	*Lost*	23.67	25.17	25.16	25.08	24.61
5-Dec	*Lost*	23.62	25.20	25.22	25.19	24.72
6-Dec	*Lost*	23.47	25.01	25.03	25.13	24.63
7-Dec	*Lost*	23.18	25.20	25.19	25.12	24.67
8-Dec	*Lost*	23.07	25.19	25.21	25.15	24.70
9-Dec	*Lost*	23.05	25.32	25.25	25.39	24.82
10-Dec	*Lost*	22.92	25.42	25.43	25.74	25.21
11-Dec	*Lost*	22.83	25.15	25.18	25.68	25.27
12-Dec	*Lost*	22.88	25.01	25.06	25.38	24.98
13-Dec	*Lost*	22.81	24.91	24.95	25.32	24.91
14-Dec	*Lost*	22.85	24.89	24.94	25.29	24.90
15-Dec	*Lost*	22.84	25.01	25.05	25.26	24.87
16-Dec	*Lost*	22.80	25.03	25.08	25.15	24.75
17-Dec	*Lost*	22.78	24.95	25.01	25.02	24.63
18-Dec	*Lost*	22.73	24.68	24.73	24.91	24.53
19-Dec	*Lost*	22.76	24.31	24.37	24.35	23.97
20-Dec	*Lost*	22.70	23.93	23.95	24.70	24.29
21-Dec	*Lost*	22.66	23.62	23.68	24.95	24.59

EFGB Sea-bird			EFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
22-Dec	22.61	23.94	22.63	24.20
23-Dec	22.56	24.23	22.58	24.03
24-Dec	22.46	24.04	22.54	23.93
25-Dec	22.37	23.79	22.44	23.73
26-Dec	22.42	23.06	22.35	24.02
27-Dec	22.27	23.59	22.39	23.52
28-Dec	22.23	23.52	22.25	23.12
29-Dec	22.20	22.75	22.21	23.10
30-Dec	22.13	22.44	22.17	23.43
31-Dec	22.08	22.80	22.10	23.47

WFGB Sea-bird			WFGB Hobo	
Date	**2011**	**2012**	**2011**	**2012**
22-Dec	22.70	23.94	22.74	23.94
23-Dec	22.54	24.23	22.71	24.23
24-Dec	22.46	24.04	22.62	24.04
25-Dec	22.43	23.79	22.45	23.79
26-Dec	22.35	23.06	22.37	23.06
27-Dec	22.24	23.59	22.35	23.59
28-Dec	22.17	23.52	22.26	23.52
29-Dec	22.15	22.75	22.16	22.75
30-Dec	22.11	22.44	22.09	22.44
31-Dec	22.18	22.80	22.07	22.80

EFGB Deep Hobo					WFGB Deep Hobo	
Date	**2011 (30.5 m)**	**2011 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**	**2012 (30.5 m)**	**2012 (40 m)**
22-Dec	*Lost*	22.62	23.81	23.83	24.64	24.29
23-Dec	*Lost*	22.58	24.14	24.17	24.28	23.93
24-Dec	*Lost*	22.47	23.99	24.04	24.11	23.75
25-Dec	*Lost*	22.37	23.75	23.77	24.00	23.64
26-Dec	*Lost*	22.44	22.98	23.02	23.75	23.39
27-Dec	*Lost*	22.30	23.41	23.40	24.11	23.79
28-Dec	*Lost*	22.25	23.35	23.36	23.53	23.19
29-Dec	*Lost*	22.21	22.73	22.79	23.11	22.77
30-Dec	*Lost*	22.14	22.38	22.42	23.18	22.88
31-Dec	*Lost*	22.04	22.44	22.40	23.51	23.21

9.2. Sea-Bird Daily Mean Salinity Data from 2011 and 2012 at the FGB (PPT)

Date	EFGB 2011	EFGB 2012
1-Jan	36.14	36.63
2-Jan	36.16	36.63
3-Jan	36.14	36.65
4-Jan	36.16	36.65
5-Jan	36.15	36.64
6-Jan	36.11	36.63
7-Jan	36.03	36.61
8-Jan	36.02	36.60
9-Jan	36.12	36.63
10-Jan	36.11	36.61
11-Jan	36.13	36.61
12-Jan	36.06	36.60
13-Jan	36.11	36.59
14-Jan	36.11	36.60
15-Jan	36.12	36.60
16-Jan	36.21	36.60
17-Jan	36.17	36.60
18-Jan	36.11	36.59
19-Jan	36.15	36.60
20-Jan	36.16	36.60
21-Jan	36.11	36.59
22-Jan	36.12	36.58
23-Jan	36.09	36.58
24-Jan	36.09	36.56
25-Jan	36.08	36.55
26-Jan	36.18	36.55

Date	WFGB 2011	WFGB 2012
1-Jan	37.79	36.64
2-Jan	37.80	36.63
3-Jan	37.77	36.63
4-Jan	37.74	36.65
5-Jan	37.61	36.65
6-Jan	37.72	36.64
7-Jan	37.74	36.63
8-Jan	37.71	36.61
9-Jan	37.72	36.60
10-Jan	37.70	36.63
11-Jan	37.77	36.61
12-Jan	37.77	36.61
13-Jan	37.78	36.60
14-Jan	37.78	36.59
15-Jan	37.80	36.60
16-Jan	37.72	36.60
17-Jan	37.64	36.60
18-Jan	37.63	36.60
19-Jan	37.71	36.59
20-Jan	37.75	36.60
21-Jan	37.64	36.60
22-Jan	37.62	36.59
23-Jan	37.61	36.58
24-Jan	37.71	36.58
25-Jan	37.75	36.56
26-Jan	37.79	36.55

Date	EFGB 2011	EFGB 2012
27-Jan	36.23	36.56
28-Jan	36.27	36.57
29-Jan	36.24	36.57
30-Jan	36.23	36.52
31-Jan	36.13	36.55
1-Feb	36.16	36.56
2-Feb	36.14	36.57
3-Feb	36.18	36.56
4-Feb	36.11	36.56
5-Feb	36.18	36.46
6-Feb	36.24	36.37
7-Feb	36.32	36.42
8-Feb	36.26	36.41
9-Feb	36.31	36.35
10-Feb	36.20	36.30
11-Feb	36.20	36.30
12-Feb	36.22	36.36
13-Feb	36.21	36.41
14-Feb	36.21	36.50
15-Feb	36.21	36.47
16-Feb	36.20	36.45
17-Feb	36.22	36.44
18-Feb	36.27	36.41
19-Feb	36.27	36.46
20-Feb	36.22	36.45
21-Feb	36.23	36.46
22-Feb	36.19	36.43
23-Feb	36.14	36.37
24-Feb	36.13	36.34

Date	WFGB 2011	WFGB 2012
27-Jan	37.72	36.55
28-Jan	37.76	36.56
29-Jan	37.65	36.57
30-Jan	37.63	36.57
31-Jan	37.74	36.52
1-Feb	37.73	36.55
2-Feb	37.63	36.56
3-Feb	37.73	36.57
4-Feb	37.78	36.56
5-Feb	37.76	36.56
6-Feb	37.71	36.46
7-Feb	37.64	36.37
8-Feb	37.77	36.42
9-Feb	37.78	36.41
10-Feb	37.77	36.35
11-Feb	37.76	36.30
12-Feb	37.80	36.30
13-Feb	37.76	36.36
14-Feb	37.75	36.41
15-Feb	37.40	36.50
16-Feb	36.26	36.47
17-Feb	36.17	36.45
18-Feb	36.11	36.44
19-Feb	36.14	36.41
20-Feb	36.26	36.46
21-Feb	36.04	36.45
22-Feb	36.13	36.46
23-Feb	36.23	36.43
24-Feb	36.26	36.37

Date	EFGB 2011	EFGB 2012
25-Feb	36.10	36.37
26-Feb	35.95	36.43
27-Feb	35.96	36.45
28-Feb	36.03	36.44
29-Feb	NA	36.44
1-Mar	36.15	36.46
2-Mar	36.19	36.47
3-Mar	36.24	36.45
4-Mar	36.16	36.43
5-Mar	36.04	36.42
6-Mar	36.20	36.44
7-Mar	36.33	36.45
8-Mar	36.34	36.41
9-Mar	36.32	36.40
10-Mar	36.28	36.33
11-Mar	36.29	36.37
12-Mar	36.30	36.38
13-Mar	36.31	36.41
14-Mar	36.28	36.45
15-Mar	36.29	36.45
16-Mar	36.33	36.43
17-Mar	36.38	36.44
18-Mar	36.34	36.41
19-Mar	36.34	36.41
20-Mar	36.31	36.38
21-Mar	36.37	36.27
22-Mar	36.37	36.34
23-Mar	36.41	36.36
24-Mar	36.42	36.40

Date	WFGB 2011	WFGB 2012
25-Feb	36.39	36.34
26-Feb	36.40	36.37
27-Feb	36.40	36.43
28-Feb	36.40	36.45
29-Feb	NA	36.44
1-Mar	36.39	36.44
2-Mar	36.41	36.46
3-Mar	36.41	36.47
4-Mar	36.37	36.45
5-Mar	36.35	36.43
6-Mar	36.33	36.42
7-Mar	36.40	36.44
8-Mar	36.40	36.45
9-Mar	36.35	36.41
10-Mar	36.37	36.40
11-Mar	36.41	36.33
12-Mar	36.25	36.37
13-Mar	36.00	36.38
14-Mar	35.92	36.41
15-Mar	35.88	36.45
16-Mar	35.88	36.45
17-Mar	35.91	36.43
18-Mar	35.95	36.44
19-Mar	36.11	36.41
20-Mar	36.30	36.41
21-Mar	36.37	36.38
22-Mar	36.34	36.27
23-Mar	36.30	36.34
24-Mar	36.40	36.36

Date	EFGB 2011	EFGB 2012
25-Mar	36.42	36.24
26-Mar	36.40	36.32
27-Mar	36.20	36.37
28-Mar	35.94	36.39
29-Mar	36.14	36.40
30-Mar	36.27	36.40
31-Mar	36.01	36.40
1-Apr	36.05	36.40
2-Apr	36.15	36.40
3-Apr	36.02	36.40
4-Apr	35.91	36.40
5-Apr	36.00	36.39
6-Apr	36.03	36.39
7-Apr	35.95	36.39
8-Apr	36.03	36.39
9-Apr	36.05	36.39
10-Apr	35.77	36.39
11-Apr	35.90	36.39
12-Apr	35.96	36.36
13-Apr	35.40	36.31
14-Apr	35.59	36.38
15-Apr	35.99	36.40
16-Apr	36.06	36.32
17-Apr	36.03	36.31
18-Apr	36.15	36.31
19-Apr	36.06	36.31
20-Apr	35.92	36.29
21-Apr	35.85	36.32
22-Apr	35.98	36.35

Date	WFGB 2011	WFGB 2012
25-Mar	36.32	36.40
26-Mar	36.02	36.38
27-Mar	36.18	36.38
28-Mar	36.26	36.39
29-Mar	36.14	36.37
30-Mar	36.10	36.42
31-Mar	36.18	36.42
1-Apr	36.22	36.43
2-Apr	36.31	36.41
3-Apr	36.23	36.41
4-Apr	36.14	36.36
5-Apr	36.07	36.35
6-Apr	36.11	36.36
7-Apr	36.18	36.30
8-Apr	36.09	36.30
9-Apr	35.82	36.28
10-Apr	35.96	36.28
11-Apr	35.94	36.18
12-Apr	35.83	36.33
13-Apr	36.05	36.38
14-Apr	36.03	36.41
15-Apr	36.01	36.41
16-Apr	36.16	36.40
17-Apr	36.04	36.19
18-Apr	35.59	36.21
19-Apr	35.86	36.22
20-Apr	35.96	36.33
21-Apr	35.96	36.40
22-Apr	36.16	36.39

Date	EFGB 2011	EFGB 2012
23-Apr	36.04	36.34
24-Apr	36.11	36.34
25-Apr	36.24	36.32
26-Apr	36.09	36.32
27-Apr	35.73	36.24
28-Apr	35.58	36.15
29-Apr	35.51	36.13
30-Apr	36.00	36.16
1-May	36.16	36.02
2-May	36.14	36.01
3-May	36.09	36.06
4-May	36.14	36.08
5-May	36.06	35.98
6-May	36.09	35.95
7-May	36.16	35.97
8-May	36.22	35.97
9-May	36.29	36.01
10-May	36.51	35.87
11-May	36.54	35.77
12-May	36.46	35.89
13-May	36.24	35.84
14-May	36.16	35.72
15-May	36.17	35.87
16-May	36.25	36.04
17-May	36.23	35.99
18-May	36.29	35.88
19-May	36.24	35.89
20-May	36.19	35.82
21-May	36.24	35.61

Date	WFGB 2011	WFGB 2012
23-Apr	36.21	36.41
24-Apr	36.24	36.41
25-Apr	35.97	36.38
26-Apr	35.85	36.24
27-Apr	35.61	36.29
28-Apr	35.55	36.17
29-Apr	35.78	36.20
30-Apr	35.98	36.27
1-May	36.01	36.04
2-May	36.11	35.99
3-May	36.11	36.00
4-May	36.16	35.93
5-May	36.18	35.94
6-May	36.24	35.95
7-May	36.38	35.92
8-May	36.46	35.93
9-May	36.53	35.95
10-May	36.56	35.96
11-May	36.54	36.01
12-May	36.47	35.94
13-May	36.20	35.63
14-May	36.18	35.92
15-May	36.22	35.64
16-May	36.23	36.04
17-May	34.76	35.93
18-May	36.34	35.84
19-May	36.26	35.98
20-May	36.37	35.83
21-May	36.36	35.73

Date	EFGB 2011	EFGB 2012
22-May	36.36	35.66
23-May	36.32	35.92
24-May	36.32	35.69
25-May	36.33	35.50
26-May	36.32	35.31
27-May	36.33	35.50
28-May	36.48	35.47
29-May	36.42	35.43
30-May	36.24	35.45
31-May	36.08	35.04
1-Jun	36.10	34.94
2-Jun	36.08	35.36
3-Jun	36.29	35.28
4-Jun	36.48	34.87
5-Jun	36.34	35.09
6-Jun	36.46	34.58
7-Jun	36.54	35.43
8-Jun	36.49	35.63
9-Jun	36.49	35.27
10-Jun	36.51	35.54
11-Jun	36.50	35.39
12-Jun	36.46	35.16
13-Jun	36.39	35.12
14-Jun	36.26	35.15
15-Jun	36.15	34.92
16-Jun	36.58	35.25
17-Jun	36.43	35.22
18-Jun	36.56	35.43
19-Jun	36.44	35.68

Date	WFGB 2011	WFGB 2012
22-May	36.31	36.05
23-May	36.29	35.91
24-May	36.31	35.90
25-May	36.39	35.94
26-May	36.48	35.91
27-May	36.53	35.66
28-May	36.51	35.82
29-May	36.44	35.92
30-May	36.28	35.98
31-May	36.18	34.94
1-Jun	36.31	35.36
2-Jun	36.49	35.28
3-Jun	36.53	34.87
4-Jun	36.39	35.09
5-Jun	36.47	34.58
6-Jun	36.53	35.43
7-Jun	36.55	35.63
8-Jun	36.51	35.27
9-Jun	36.56	35.54
10-Jun	36.24	35.39
11-Jun	36.52	35.16
12-Jun	36.20	35.12
13-Jun	36.08	35.15
14-Jun	36.17	34.92
15-Jun	36.56	35.25
16-Jun	36.61	35.22
17-Jun	36.39	35.43
18-Jun	36.36	35.68
19-Jun	36.44	35.63

Date	EFGB 2011	EFGB 2012
20-Jun	36.00	35.63
21-Jun	35.86	35.52
22-Jun	35.85	36.16
23-Jun	36.32	36.38
24-Jun	35.91	36.31
25-Jun	35.61	36.14
26-Jun	35.82	35.22
27-Jun	35.34	35.66
28-Jun	35.04	35.78
29-Jun	35.29	35.86
30-Jun	35.55	36.03
1-Jul	35.39	36.06
2-Jul	35.37	36.03
3-Jul	35.23	35.91
4-Jul	35.08	35.84
5-Jul	35.02	35.85
6-Jul	35.18	35.94
7-Jul	35.24	35.94
8-Jul	35.38	35.90
9-Jul	35.44	35.99
10-Jul	35.42	36.06
11-Jul	35.39	35.82
12-Jul	35.37	35.91
13-Jul	35.23	35.92
14-Jul	35.27	35.92
15-Jul	35.30	35.96
16-Jul	35.22	35.96
17-Jul	35.12	35.92
18-Jul	35.39	35.83

Date	WFGB 2011	WFGB 2012
20-Jun	36.49	35.52
21-Jun	36.39	36.16
22-Jun	36.34	36.38
23-Jun	36.44	36.31
24-Jun	36.42	36.14
25-Jun	36.45	35.22
26-Jun	36.39	35.66
27-Jun	36.28	35.78
28-Jun	36.17	35.86
29-Jun	36.20	36.03
30-Jun	36.06	36.06
1-Jul	35.97	36.03
2-Jul	35.51	35.91
3-Jul	35.25	35.84
4-Jul	35.34	35.85
5-Jul	35.25	35.94
6-Jul	35.52	35.94
7-Jul	35.41	35.90
8-Jul	35.36	35.99
9-Jul	35.38	36.06
10-Jul	35.33	35.82
11-Jul	35.44	35.91
12-Jul	35.40	35.92
13-Jul	35.49	35.92
14-Jul	35.37	35.96
15-Jul	35.63	35.96
16-Jul	35.61	35.92
17-Jul	36.13	35.83
18-Jul	36.11	35.90

Date	EFGB 2011	EFGB 2012
19-Jul	35.93	35.90
20-Jul	36.25	35.79
21-Jul	36.23	35.84
22-Jul	36.11	35.99
23-Jul	36.28	36.05
24-Jul	36.20	36.01
25-Jul	36.14	35.91
26-Jul	36.30	35.99
27-Jul	36.37	36.08
28-Jul	36.36	36.13
29-Jul	36.26	36.14
30-Jul	36.30	36.06
31-Jul	36.34	35.91
1-Aug	36.44	35.84
2-Aug	36.49	35.59
3-Aug	36.49	35.68
4-Aug	36.43	35.78
5-Aug	36.44	35.85
6-Aug	36.43	35.84
7-Aug	36.43	35.76
8-Aug	36.44	35.74
9-Aug	36.41	35.71
10-Aug	36.48	35.36
11-Aug	36.53	35.53
12-Aug	36.46	35.50
13-Aug	36.38	35.35
14-Aug	36.39	35.17
15-Aug	36.36	35.18
16-Aug	36.38	35.25

Date	WFGB 2011	WFGB 2012
19-Jul	36.14	35.79
20-Jul	36.15	35.84
21-Jul	36.29	35.99
22-Jul	36.43	36.05
23-Jul	36.43	36.01
24-Jul	36.42	35.91
25-Jul	36.40	35.99
26-Jul	36.29	36.08
27-Jul	36.34	36.13
28-Jul	36.22	36.14
29-Jul	36.27	36.06
30-Jul	36.41	35.91
31-Jul	36.48	35.84
1-Aug	36.50	35.59
2-Aug	36.49	35.68
3-Aug	36.45	35.78
4-Aug	36.42	35.85
5-Aug	36.45	35.84
6-Aug	36.41	35.76
7-Aug	36.41	36.06
8-Aug	36.52	35.91
9-Aug	36.53	*Malfunction*
10-Aug	36.49	*Malfunction*
11-Aug	36.39	*Malfunction*
12-Aug	36.37	*Malfunction*
13-Aug	36.40	*Malfunction*
14-Aug	36.38	*Malfunction*
15-Aug	36.42	*Malfunction*
16-Aug	36.40	*Malfunction*

Date	EFGB 2011	EFGB 2012
17-Aug	36.41	35.16
18-Aug	36.40	35.13
19-Aug	36.40	35.35
20-Aug	36.38	35.49
21-Aug	36.46	35.26
22-Aug	36.51	35.21
23-Aug	36.48	35.20
24-Aug	36.50	35.34
25-Aug	36.50	35.50
26-Aug	36.49	35.77
27-Aug	36.47	35.82
28-Aug	36.48	35.34
29-Aug	36.47	35.61
30-Aug	36.45	35.71
31-Aug	36.46	35.71
1-Sep	36.46	35.69
2-Sep	36.46	35.56
3-Sep	36.48	35.59
4-Sep	36.46	35.63
5-Sep	36.45	35.72
6-Sep	36.47	35.76
7-Sep	36.50	35.83
8-Sep	36.52	36.03
9-Sep	36.53	36.09
10-Sep	36.37	36.14
11-Sep	36.44	36.16
12-Sep	36.57	36.19
13-Sep	36.59	36.19
14-Sep	36.59	36.16

Date	WFGB 2011	WFGB 2012
17-Aug	36.35	*Malfunction*
18-Aug	36.34	*Malfunction*
19-Aug	36.46	*Malfunction*
20-Aug	36.54	*Malfunction*
21-Aug	36.52	*Malfunction*
22-Aug	36.50	*Malfunction*
23-Aug	36.50	*Malfunction*
24-Aug	36.41	*Malfunction*
25-Aug	36.46	*Malfunction*
26-Aug	36.43	*Malfunction*
27-Aug	36.48	*Malfunction*
28-Aug	36.50	*Malfunction*
29-Aug	36.45	*Malfunction*
30-Aug	36.45	*Malfunction*
31-Aug	36.44	*Malfunction*
1-Sep	36.44	*Malfunction*
2-Sep	36.46	*Malfunction*
3-Sep	36.48	*Malfunction*
4-Sep	36.48	*Malfunction*
5-Sep	36.50	*Malfunction*
6-Sep	36.61	*Malfunction*
7-Sep	36.63	*Malfunction*
8-Sep	36.64	*Malfunction*
9-Sep	36.55	*Malfunction*
10-Sep	36.54	*Malfunction*
11-Sep	36.66	*Malfunction*
12-Sep	36.65	*Malfunction*
13-Sep	36.64	*Malfunction*
14-Sep	36.50	*Malfunction*

Date	EFGB 2011	EFGB 2012
15-Sep	36.50	36.05
16-Sep	36.52	36.07
17-Sep	36.53	36.18
18-Sep	36.52	36.17
19-Sep	36.48	36.08
20-Sep	36.47	36.03
21-Sep	36.51	36.06
22-Sep	36.51	36.12
23-Sep	36.49	36.19
24-Sep	36.48	36.25
25-Sep	36.50	36.24
26-Sep	36.39	36.27
27-Sep	36.49	36.38
28-Sep	36.52	36.41
29-Sep	36.54	36.31
30-Sep	36.50	36.19
1-Oct	36.46	36.26
2-Oct	36.45	36.23
3-Oct	36.42	36.24
4-Oct	36.49	36.17
5-Oct	36.53	36.17
6-Oct	36.50	36.17
7-Oct	36.49	36.17
8-Oct	36.53	36.21
9-Oct	36.54	36.22
10-Oct	36.51	36.23
11-Oct	36.53	36.26
12-Oct	36.56	36.31
13-Oct	36.55	36.35

Date	WFGB 2011	WFGB 2012
15-Sep	36.54	*Malfunction*
16-Sep	36.53	*Malfunction*
17-Sep	36.54	*Malfunction*
18-Sep	36.48	*Malfunction*
19-Sep	36.47	*Malfunction*
20-Sep	36.51	*Malfunction*
21-Sep	36.52	*Malfunction*
22-Sep	36.48	*Malfunction*
23-Sep	36.49	*Malfunction*
24-Sep	36.29	*Malfunction*
25-Sep	36.20	*Malfunction*
26-Sep	36.50	*Malfunction*
27-Sep	36.47	*Malfunction*
28-Sep	36.47	*Malfunction*
29-Sep	36.45	*Malfunction*
30-Sep	36.51	*Malfunction*
1-Oct	36.44	*Malfunction*
2-Oct	36.42	*Malfunction*
3-Oct	36.57	*Malfunction*
4-Oct	36.56	*Malfunction*
5-Oct	36.53	*Malfunction*
6-Oct	36.55	*Malfunction*
7-Oct	36.52	*Malfunction*
8-Oct	36.51	*Malfunction*
9-Oct	36.48	*Malfunction*
10-Oct	36.48	*Malfunction*
11-Oct	36.50	*Malfunction*
12-Oct	36.39	*Malfunction*
13-Oct	36.38	*Malfunction*

Date	EFGB 2011	EFGB 2012
14-Oct	36.39	36.38
15-Oct	36.50	36.37
16-Oct	36.52	36.35
17-Oct	36.56	36.36
18-Oct	36.56	36.39
19-Oct	36.50	36.37
20-Oct	36.56	36.34
21-Oct	36.57	36.33
22-Oct	36.57	36.34
23-Oct	36.58	36.33
24-Oct	36.58	36.31
25-Oct	36.59	36.32
26-Oct	36.58	36.34
27-Oct	36.59	36.37
28-Oct	36.61	36.40
29-Oct	36.61	36.43
30-Oct	36.58	36.43
31-Oct	36.57	36.41
1-Nov	36.57	36.42
2-Nov	36.58	36.44
3-Nov	36.58	36.49
4-Nov	36.60	36.46
5-Nov	36.64	36.46
6-Nov	36.64	36.48
7-Nov	36.64	36.48
8-Nov	36.64	No Data
9-Nov	36.63	No Data
10-Nov	36.63	No Data
11-Nov	36.65	No Data

Date	WFGB 2011	WFGB 2012
14-Oct	36.46	*Malfunction*
15-Oct	36.43	*Malfunction*
16-Oct	36.48	*Malfunction*
17-Oct	36.50	*Malfunction*
18-Oct	36.55	*Malfunction*
19-Oct	36.57	*Malfunction*
20-Oct	36.55	*Malfunction*
21-Oct	36.54	*Malfunction*
22-Oct	36.58	*Malfunction*
23-Oct	36.57	*Malfunction*
24-Oct	36.59	*Malfunction*
25-Oct	36.59	*Malfunction*
26-Oct	36.59	*Malfunction*
27-Oct	36.60	*Malfunction*
28-Oct	36.58	*Malfunction*
29-Oct	36.58	*Malfunction*
30-Oct	36.58	*Malfunction*
31-Oct	36.58	*Malfunction*
1-Nov	36.58	*Malfunction*
2-Nov	36.55	*Malfunction*
3-Nov	36.52	*Malfunction*
4-Nov	36.55	*Malfunction*
5-Nov	36.54	*Malfunction*
6-Nov	36.58	*Malfunction*
7-Nov	36.64	*Malfunction*
8-Nov	36.64	*Malfunction*
9-Nov	36.62	*Malfunction*
10-Nov	36.64	*Malfunction*
11-Nov	36.65	*Malfunction*

Date	EFGB 2011	EFGB 2012
12-Nov	36.64	No Data
13-Nov	36.56	No Data
14-Nov	36.54	No Data
15-Nov	36.54	No Data
16-Nov	36.57	No Data
17-Nov	36.52	No Data
18-Nov	36.47	No Data
19-Nov	36.49	No Data
20-Nov	36.48	No Data
21-Nov	36.50	No Data
22-Nov	36.51	No Data
23-Nov	36.55	No Data
24-Nov	36.56	No Data
25-Nov	36.58	No Data
26-Nov	36.60	No Data
27-Nov	36.59	No Data
28-Nov	36.62	No Data
29-Nov	36.63	No Data
30-Nov	36.64	No Data
1-Dec	36.64	No Data
2-Dec	36.62	No Data
3-Dec	36.63	No Data
4-Dec	36.64	No Data
5-Dec	36.63	No Data
6-Dec	36.63	No Data
7-Dec	36.65	No Data
8-Dec	36.65	No Data
9-Dec	36.65	No Data
10-Dec	36.66	No Data

Date	WFGB 2011	WFGB 2012
12-Nov	36.63	*Malfunction*
13-Nov	36.59	*Malfunction*
14-Nov	36.58	*Malfunction*
15-Nov	36.50	*Malfunction*
16-Nov	36.45	*Malfunction*
17-Nov	36.48	*Malfunction*
18-Nov	36.50	*Malfunction*
19-Nov	36.51	*Malfunction*
20-Nov	36.54	*Malfunction*
21-Nov	36.53	*Malfunction*
22-Nov	36.54	*Malfunction*
23-Nov	36.54	*Malfunction*
24-Nov	36.56	*Malfunction*
25-Nov	36.57	*Malfunction*
26-Nov	36.56	*Malfunction*
27-Nov	36.56	*Malfunction*
28-Nov	36.58	*Malfunction*
29-Nov	36.58	*Malfunction*
30-Nov	36.59	*Malfunction*
1-Dec	36.61	*Malfunction*
2-Dec	36.61	*Malfunction*
3-Dec	36.61	*Malfunction*
4-Dec	36.61	*Malfunction*
5-Dec	36.61	*Malfunction*
6-Dec	36.63	*Malfunction*
7-Dec	36.64	*Malfunction*
8-Dec	36.64	*Malfunction*
9-Dec	36.63	*Malfunction*
10-Dec	36.64	*Malfunction*

Date	EFGB 2011	EFGB 2012
11-Dec	36.65	No Data
12-Dec	36.63	No Data
13-Dec	36.63	No Data
14-Dec	36.63	No Data
15-Dec	36.64	No Data
16-Dec	36.64	No Data
17-Dec	36.64	No Data
18-Dec	36.64	No Data
19-Dec	36.63	No Data
20-Dec	36.64	No Data
21-Dec	36.63	No Data
22-Dec	36.62	No Data
23-Dec	36.62	No Data
24-Dec	36.62	No Data
25-Dec	36.62	No Data
26-Dec	36.61	No Data
27-Dec	36.62	No Data
28-Dec	36.62	No Data
29-Dec	36.63	No Data
30-Dec	36.63	No Data
31-Dec	36.64	No Data

Date	WFGB 2011	WFGB 2012
11-Dec	36.63	*Malfunction*
12-Dec	36.63	*Malfunction*
13-Dec	36.64	*Malfunction*
14-Dec	36.64	*Malfunction*
15-Dec	36.64	*Malfunction*
16-Dec	36.63	*Malfunction*
17-Dec	36.63	*Malfunction*
18-Dec	36.62	*Malfunction*
19-Dec	36.62	*Malfunction*
20-Dec	36.60	*Malfunction*
21-Dec	36.59	*Malfunction*
22-Dec	36.60	*Malfunction*
23-Dec	36.62	*Malfunction*
24-Dec	36.63	*Malfunction*
25-Dec	36.62	*Malfunction*
26-Dec	36.63	*Malfunction*
27-Dec	36.63	*Malfunction*
28-Dec	36.63	*Malfunction*
29-Dec	36.64	*Malfunction*
30-Dec	36.64	*Malfunction*
31-Dec	36.63	*Malfunction*

APPENDIX 10.0: BOHNSACK FISH SURVEY DATA FROM 2011 AND 2012 AT THE FGB

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1	7/11/2011	EFGB	65	16:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	1	0	0	0	0	0	0	0	7.61
2	7/11/2011	EFGB	65	16:35	First 5mins	neon goby	*Elacatinus oceanops*	I	0	10	0	0	0	0	0	0	0	44.48
3	7/11/2011	EFGB	65	16:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	75	0	0	0	0	0	6137.05
4	7/11/2011	EFGB	65	16:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	5	0	0	0	0	0	0	0	52.15
5	7/11/2011	EFGB	65	16:35	First 5mins	brown chromis	*Chromis multilineata*	I	25	3	0	0	0	0	0	0	0	57.94
6	7/11/2011	EFGB	65	16:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	0	0	0	0	0	0	0	0	1.19
7	7/11/2011	EFGB	65	16:35	First 5mins	queen triggerfish	*Balistes vetula*	I	0	0	0	0	0	1	0	0	0	878.25
8	7/11/2011	EFGB	65	16:35	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	0	2	0	0	0	0	0	241.17
9	7/11/2011	EFGB	65	16:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	0	4	0	0	0	0	703.21
10	7/11/2011	EFGB	65	16:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
11	7/11/2011	EFGB	65	16:35	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	5	1	0	0	0	1376.18
12	7/11/2011	EFGB	65	16:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
13	7/11/2011	EFGB	65	16:35	First 5mins	blue chromis	*Chromis cyanea*	PL	20	0	0	0	0	0	0	0	0	10.8
14	7/11/2011	EFGB	65	16:35	First 5mins	black grouper	*Mycteroperca bonaci*	P	0	0	0	0	0	0	1	0	0	483.54

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
15	7/11/2011	EFGB	65	16:35	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	1	0	0	0	320.48
16	7/11/2011	EFGB	65	16:35	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	0	0	0	0	0	0	29.07
17	7/11/2011	EFGB	65	16:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	1	0	0	0	471.73
18	7/11/2011	EFGB	65	16:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	4	0	0	0	0	0	0	0	47.95
19	7/11/2011	EFGB	65	16:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	5	0	0	15	0	0	0	0	2668.09
20	7/11/2011	EFGB	65	16:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	2	2	0	0	0	0	0	0	79.56
21	7/11/2011	EFGB	65	16:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	15	3	0	0	0	0	0	0	0	16.31
22	7/11/2011	EFGB	65	16:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	4	0	0	0	0	0	0	238.28
23	7/11/2011	EFGB	65	16:35	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	3	0	0	0	0	0	0	0	0	0.52
24	7/11/2011	EFGB	65	16:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	2	2	0	0	0	0	515.26
25	7/11/2011	EFGB	65	16:35	First 5mins	brown chromis	*Chromis multilineata*	I	30	125	0	0	0	0	0	0	0	1840.85
26	7/11/2011	EFGB	65	16:35	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	1	0	0	0	0	0	0	0	7.03
27	7/11/2011	EFGB	65	16:35	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	1	0	0	0	0	171.98
28	7/11/2011	EFGB	65	16:35	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	3	0	0	0	0	0	0	103.71
29	7/11/2011	EFGB	65	16:35	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	0	1	0	0	0	0	0	0	45.66

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
30	7/11/2011	EFGB	65	16:35	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	2	1	0	0	2035.77
31	7/11/2011	EFGB	65	16:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	3	0	0	0	0	0	0	0	0	1.56
32	7/11/2011	EFGB	65	16:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
33	7/11/2011	EFGB	65	16:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	1	0	0	789.13
34	7/11/2011	EFGB	65	16:35	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	7	0	0	0	0	0	0	0	0	1.37
35	7/12/2011	EFGB	65	8:00	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	3	0	0	0	0	0	0	0	27.4
36	7/12/2011	EFGB	65	8:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	2	0	0	0	0	0	0	0	20.86
37	7/12/2011	EFGB	65	8:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	5	0	0	0	0	0	0	297.85
38	7/12/2011	EFGB	65	8:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	25	0	0	0	0	0	0	734.8
39	7/12/2011	EFGB	65	8:00	First 5mins	brown chromis	*Chromis multilineata*	I	100	10	0	0	0	0	0	0	0	202.56
40	7/12/2011	EFGB	65	8:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	1	0	0	0	131.02
41	7/12/2011	EFGB	65	8:00	First 5mins	queen triggerfish	*Balistes vetula*	I	0	0	0	0	0	1	0	0	0	878.25
42	7/12/2011	EFGB	65	8:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	0	3	5	0	0	0	0	0	0	122.97
43	7/12/2011	EFGB	65	8:00	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	2	0	0	0	0	0	0	0	9.34
44	7/12/2011	EFGB	65	8:00	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	0	3	0	0	0	1104.31
45	7/12/2011	EFGB	65	8:00	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
46	7/12/2011	EFGB	65	8:00	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	0	0	2	0	0	0	0	471.57
47	7/12/2011	EFGB	65	8:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	2	0	0	0	0	0	0	0	14.93
48	7/12/2011	EFGB	65	8:00	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
49	7/12/2011	EFGB	65	8:00	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	0	2	0	0	0	0	355.83
50	7/12/2011	EFGB	65	8:00	First 5mins	neon goby	*Elacatinus oceanops*	I	10	0	0	0	0	0	0	0	0	1.42
51	7/12/2011	EFGB	65	8:00	First 5mins	coney	*Cephalopholis fulva*	I	0	0	0	2	0	0	0	0	0	186.51
52	7/12/2011	EFGB	65	8:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	2	0	0	0	0	0	0	0	13.61
53	7/12/2011	EFGB	65	8:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	2	0	0	0	0	508.51
54	7/12/2011	EFGB	65	8:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	5	0	0	0	0	0	0	0	0	2.18
55	7/12/2011	EFGB	65	8:00	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	0	2	0	0	0	0	0	0	51.15
56	7/12/2011	EFGB	65	8:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	0	1	0	0	0	0	175.8
57	7/12/2011	EFGB	65	8:20	First 5mins	brown chromis	*Chromis multilineata*	I	100	50	0	0	0	0	0	0	0	786.19
58	7/12/2011	EFGB	65	8:20	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	10	0	0	0	0	0	818.27
59	7/12/2011	EFGB	65	8:20	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	1	0	0	912.48
60	7/12/2011	EFGB	65	8:20	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	2	0	0	0	0	0	0	0	23.97
61	7/12/2011	EFGB	65	8:20	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	1	0	5	0	0	0	0	0	830.17

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
62	7/12/2011	EFGB	65	8:20	First 5mins	neon goby	*Elacatinus oceanops*	I	5	0	0	0	0	0	0	0	0	0.71
63	7/12/2011	EFGB	65	8:20	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	3	0	0	0	0	0	0	0	0	1.21
64	7/12/2011	EFGB	65	8:20	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	5	0	0	2	0	1	0	0	0	559.21
65	7/12/2011	EFGB	65	8:20	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	4	0	0	0	0	0	0	0	28.72
66	7/12/2011	EFGB	65	8:20	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	2	0	0	0	0	0	0	118.8
67	7/12/2011	EFGB	65	8:20	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
68	7/12/2011	EFGB	65	8:20	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	0	1	0	0	523.71
69	7/12/2011	EFGB	65	8:20	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	1	0	0	0	0	0	0	0	7.89
70	7/12/2011	EFGB	65	8:20	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	8	0	0	0	0	0	0	0	83.44
71	7/12/2011	EFGB	65	8:20	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	1	0	0	0	0	0	82
72	7/12/2011	EFGB	65	8:20	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	1	0	0	0	0	0	0	58.4
73	7/12/2011	EFGB	65	8:20	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	10	0	0	0	0	0	0	0	0	4.36
74	7/12/2011	EFGB	65	8:20	First 5mins	creole wrasse	*Clepticus parrae*	PL	25	0	0	0	0	0	0	0	0	5.49
75	7/12/2011	EFGB	65	8:20	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
76	7/12/2011	EFGB	65	11:55	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	2	0	0	0	0	0	0	0	10.87
77	7/12/2011	EFGB	65	11:55	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	75	0	0	0	0	0	6137.05
78	7/12/2011	EFGB	65	11:55	First 5mins	brown chromis	*Chromis multilineata*	I	20	50	0	0	0	0	0	0	0	740.87
79	7/12/2011	EFGB	65	11:55	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
80	7/12/2011	EFGB	65	11:55	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	0	1	0	0	0	0	0	110.4
81	7/12/2011	EFGB	65	11:55	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	0	0	0	0	0	151.77
82	7/12/2011	EFGB	65	11:55	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
83	7/12/2011	EFGB	65	11:55	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	0	1	0	0	507
84	7/12/2011	EFGB	65	11:55	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84
85	7/12/2011	EFGB	65	11:55	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	3	0	0	0	0	0	0	0	35.96
86	7/12/2011	EFGB	65	11:55	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	1	2	0	0	0	0	0	386.49
87	7/12/2011	EFGB	65	11:55	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
88	7/12/2011	EFGB	65	11:55	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	2	0	0	0	0	403.23
89	7/12/2011	EFGB	65	11:55	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	0	3	0	0	0	0	0	0	136.97
90	7/12/2011	EFGB	65	11:55	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	0	0	1	0	0	0	0	0	82

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
91	7/12/2011	EFGB	65	11:55	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
92	7/12/2011	EFGB	65	11:55	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	1	0	0	0	0	0	0	0	0	0.17
93	7/12/2011	EFGB	65	12:00	First 5mins	brown chromis	*Chromis multilineata*	I	25	75	0	0	0	0	0	0	0	1108.47
94	7/12/2011	EFGB	65	12:00	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	0	1	0	0	0	0	177.91
95	7/12/2011	EFGB	65	12:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	2	0	0	0	0	0	0	0	14.93
96	7/12/2011	EFGB	65	12:00	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	1	0	0	649.4
97	7/12/2011	EFGB	65	12:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	100	0	0	0	0	0	0	2939.21
98	7/12/2011	EFGB	65	12:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	0	0	0	0	0	0	0	7.28
99	7/12/2011	EFGB	65	12:00	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	1	4	0	0	0	0	0	0	0	47.98
100	7/12/2011	EFGB	65	12:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	8	2	0	0	0	0	0	0	0	10.55
101	7/12/2011	EFGB	65	12:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	7	0	0	0	0	0	0	0	0	3.05
102	7/12/2011	EFGB	65	12:00	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
103	7/12/2011	EFGB	65	12:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	1	0	0	0	0	0	0	0	11.99
104	7/12/2011	EFGB	65	12:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
105	7/12/2011	EFGB	65	12:00	First 5mins	dusky damselfish	*Stegastes adustus*	H	1	0	0	0	0	0	0	0	0	0.52
106	7/12/2011	EFGB	65	12:00	First 5mins	rock beauty	*Holacanthus tricolor*	I	1	0	0	1	0	0	0	0	0	153.36

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
107	7/12/2011	EFGB	65	12:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	5	0	0	0	0	0	0	0	52.15
108	7/12/2011	EFGB	65	12:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	2	0	0	0	1	1	0	0	1499.91
109	7/12/2011	EFGB	65	12:00	First 5mins	blue chromis	*Chromis cyanea*	PL	1	1	0	0	0	0	0	0	0	14.45
110	7/12/2011	EFGB	65	12:00	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	3	0	1	1	0	0	1	0	0	737.87
111	7/12/2011	EFGB	65	12:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
112	7/12/2011	EFGB	65	12:00	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	0	45	17	29020.8
113	7/12/2011	EFGB	65	12:00	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	0	0	40	1	964.3
114	7/12/2011	EFGB	65	12:15	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	1	2	0	0	0	937.82
115	7/12/2011	EFGB	65	12:15	First 5mins	brown chromis	*Chromis multilineata*	I	130	100	0	0	0	0	0	0	0	1532.73
116	7/12/2011	EFGB	65	12:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	5	0	0	0	0	0	817.3
117	7/12/2011	EFGB	65	12:15	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	3	0	0	0	0	0	0	172.26
118	7/12/2011	EFGB	65	12:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	75	0	0	0	0	0	6137.05
119	7/12/2011	EFGB	65	12:15	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	8	0	0	0	0	0	0	0	95.89
120	7/12/2011	EFGB	65	12:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
121	7/12/2011	EFGB	65	12:15	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
122	7/12/2011	EFGB	65	12:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	0	0	0	0	0	0	0	0	1.64
123	7/12/2011	EFGB	65	12:15	First 5mins	banded butterflyfish	*Chaetodon striatus*	I	1	0	0	0	0	0	0	0	0	0.39
124	7/12/2011	EFGB	65	12:15	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	1	0	0	0	0	254.26
125	7/12/2011	EFGB	65	12:15	First 5mins	blue chromis	*Chromis cyanea*	PL	11	3	0	0	0	0	0	0	0	47.68
126	7/12/2011	EFGB	65	12:15	First 5mins	needlefish spp.	*Belonidae spp.*	P	0	0	0	0	0	0	50	0	0	2947.91
127	7/12/2011	EFGB	65	12:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	3	0	0	0	0	0	0	0	21.11
128	7/12/2011	EFGB	65	12:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	1	0	0	0	131.02
129	7/12/2011	EFGB	65	12:15	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
130	7/12/2011	EFGB	65	12:15	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
131	7/12/2011	EFGB	65	12:15	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	1	0	0	0	0	0	0	58.4
132	7/12/2011	EFGB	65	12:18	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	1	0	0	0	0	0	82
133	7/12/2011	EFGB	65	12:18	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
134	7/12/2011	EFGB	65	12:18	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	25	0	0	0	0	0	0	734.8
135	7/12/2011	EFGB	65	12:18	First 5mins	brown chromis	*Chromis multilineata*	I	50	25	0	0	0	0	0	0	0	393.1
136	7/12/2011	EFGB	65	12:18	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	3	0	0	0	0	0	0	0	31.21

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
137	7/12/2011	EFGB	65	12:18	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	2	0	0	0	0	0	0	0	15.21
138	7/12/2011	EFGB	65	12:18	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	0	0	0	0	0	0	0	7.28
139	7/12/2011	EFGB	65	12:18	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	3	0	0	0	0	0	0	0	0	1.21
140	7/12/2011	EFGB	65	12:18	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
141	7/12/2011	EFGB	65	12:18	First 5mins	bluehead	*Thalassoma bifasciatum*	I	15	3	0	0	0	0	0	0	0	16.31
142	7/12/2011	EFGB	65	12:18	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	1	0	0	0	0	254.26
143	7/12/2011	EFGB	65	12:18	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	2	0	0	0	0	0	0	0	9.34
144	7/12/2011	EFGB	65	12:18	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	5	0	0	0	0	0	0	0	0	0.98
145	7/12/2011	EFGB	65	12:18	First 5mins	threespot damselfish	*Stegastes planifrons*	I	5	0	0	0	0	0	0	0	0	2.6
146	7/12/2011	EFGB	65	12:18	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	0	0	0	0	0	151.77
147	7/12/2011	EFGB	65	12:18	First 5mins	creole wrasse	*Clepticus parrae*	PL	20	0	0	0	0	0	0	0	0	4.39
148	7/12/2011	EFGB	78	12:30	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	1	1	0	0	0	0	0	0	69.32
149	7/12/2011	EFGB	78	12:30	First 5mins	threespot damselfish	*Stegastes planifrons*	I	3	15	0	0	0	0	0	0	0	181.35
150	7/12/2011	EFGB	78	12:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	15	1	0	0	0	0	0	0	0	7.07
151	7/12/2011	EFGB	78	12:30	First 5mins	queen parrotfish	*Scarus vetula*	H	0	7	0	0	0	0	0	40	1	1185.07

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
152	7/12/2011	EFGB	78	12:30	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	1	0	0	0	0	0	0	0	0	0.44
153	7/12/2011	EFGB	78	12:30	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	4	0	0	0	0	0	0	0	36.05
154	7/12/2011	EFGB	78	12:30	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	0	40	1	1667.96
155	7/12/2011	EFGB	78	12:30	First 5mins	purple reeffish	*Chromis scotti*	PL	6	0	0	0	0	0	0	0	0	1.84
156	7/12/2011	EFGB	78	12:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	0	1	0	0	0	0	0	0	33.33
157	7/12/2011	EFGB	78	12:30	First 5mins	brown chromis	*Chromis multilineata*	I	121	5	0	0	0	0	0	0	0	141.51
158	7/12/2011	EFGB	78	12:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	45	1	574.09
159	7/12/2011	EFGB	78	12:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	3	0	0	0	1415.19
160	7/12/2011	EFGB	78	12:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
161	7/12/2011	EFGB	78	12:30	First 5mins	yellowtail snapper	*Ocyurus chrysurus*	PL	0	0	1	0	0	0	0	0	0	30.27
162	7/12/2011	EFGB	78	12:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	4	0	0	0	0	0	0	238.28
163	7/12/2011	EFGB	78	12:30	First 5mins	black durgon	*Melichthys niger*	H	0	0	1	0	2	0	0	0	0	787.41
164	7/12/2011	EFGB	78	12:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	7	0	0	0	0	0	0	0	0	2.29
165	7/12/2011	EFGB	78	12:30	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	1	0	0	0	0	0	111.07
166	7/12/2011	EFGB	78	12:30	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
167	7/12/2011	EFGB	78	12:30	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
168	7/12/2011	EFGB	70	12:30	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	1	0	0	0	0	0	0	0	0	0.4
169	7/12/2011	EFGB	70	12:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	6	0	0	0	0	0	980.77
170	7/12/2011	EFGB	70	12:30	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	1	1	0	0	0	0	464.63
171	7/12/2011	EFGB	70	12:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	8	0	0	0	0	0	0	0	0	1.9
172	7/12/2011	EFGB	70	12:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	3	0	0	0	0	0	0	0	0	0.49
173	7/12/2011	EFGB	70	12:30	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	1	0	0	0	0	0	94.86
174	7/12/2011	EFGB	70	12:30	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
175	7/12/2011	EFGB	70	12:30	First 5mins	brown chromis	*Chromis multilineata*	I	50	0	0	0	0	0	0	0	0	28.33
176	7/12/2011	EFGB	70	12:30	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	1	1	0	0	0	1279.04
177	7/12/2011	EFGB	70	12:30	First 5mins	squirrelfish	*Holocentrus adscensionis*	I	0	0	0	1	1	0	0	0	0	348.4
178	7/12/2011	EFGB	70	12:30	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	2	0	0	0	0	0	0	0	25.98
179	7/12/2011	EFGB	70	12:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
180	7/12/2011	EFGB	70	12:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	4	0	0	0	1886.92
181	7/12/2011	EFGB	70	12:30	First 5mins	flamefish	*Apogon maculatus*	I	2	0	0	0	0	0	0	0	0	0.52

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
182	7/12/2011	EFGB	70	12:30	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	0	0	0	0	0	0	0	6.02
183	7/12/2011	EFGB	70	12:30	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	0	0	0	1	0	0	0	0	174.28
184	7/12/2011	EFGB	70	12:30	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	2	0	0	0	0	351.61
185	7/12/2011	EFGB	70	12:30	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	5	0	0	3247
186	7/12/2011	EFGB	70	12:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
187	7/12/2011	EFGB	70	12:30	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	2	0	0	0	0	0	0	0	0	0.87
188	7/12/2011	EFGB	70	12:30	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	6	0	0	0	0	0	0	0	0	1.17
189	7/12/2011	EFGB	70	12:30	First 5mins	spotfin hogfish	*Bodianus pulchellus*	I	1	0	0	0	0	0	0	0	0	0.24
190	7/12/2011	EFGB	70	12:30	First 5mins	purple reeffish	*Chromis scotti*	PL	1	0	0	0	0	0	0	0	0	0.31
191	7/12/2011	EFGB	69	12:50	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
192	7/12/2011	EFGB	69	12:50	First 5mins	brown chromis	*Chromis multilineata*	I	168	27	0	0	0	0	0	0	0	489.13
193	7/12/2011	EFGB	69	12:50	First 5mins	bluehead	*Thalassoma bifasciatum*	I	19	2	0	0	0	0	0	0	0	12.35
194	7/12/2011	EFGB	69	12:50	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	0	0	0	0	0	40	1	1140.27
195	7/12/2011	EFGB	69	12:50	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	2	0	0	0	0	0	0	87.89
196	7/12/2011	EFGB	69	12:50	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	1	0	0	0	310.25
197	7/12/2011	EFGB	69	12:50	First 5mins	creolefish	*Paranthias furcifer*	PL	2	0	0	0	0	0	0	0	0	0.44

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
198	7/12/2011	EFGB	69	12:50	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	7	0	0	0	0	0	0	0	0	2
199	7/12/2011	EFGB	69	12:50	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
200	7/12/2011	EFGB	69	12:50	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	12	12	0	0	0	0	4458.05
201	7/12/2011	EFGB	69	12:50	First 5mins	creole wrasse	*Clepticus parrae*	PL	16	0	0	0	0	0	0	0	0	3.51
202	7/12/2011	EFGB	69	12:50	First 5mins	threespot damselfish	*Stegastes planifrons*	I	2	8	0	0	0	0	0	0	0	96.93
203	7/12/2011	EFGB	69	12:50	First 5mins	bi-color damselfish	*Stegastes partitus*	H	7	0	0	0	0	0	0	0	0	2.29
204	7/12/2011	EFGB	69	12:50	First 5mins	black durgon	*Melichthys niger*	H	0	0	1	1	1	0	0	0	0	568.43
205	7/12/2011	EFGB	69	12:50	First 5mins	Spanish hogfish	*Bodianus rufus*	I	8	1	0	0	0	0	0	0	0	8.71
206	7/12/2011	EFGB	69	12:50	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	0	0	0	0	0	0	0	0	1.29
207	7/12/2011	EFGB	69	12:50	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	0	0	0	0	0	0	0	0	1.74
208	7/12/2011	EFGB	69	12:50	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	2	40	1	3492.92
209	7/12/2011	EFGB	69	12:50	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	4	0	0	0	0	0	0	0	0	1.15
210	7/12/2011	EFGB	69	12:50	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	4	0	0	0	0	0	0	0	0	0.78
211	7/12/2011	EFGB	69	12:50	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	0	1	0	0	0	0	0	0	60.35
212	7/12/2011	EFGB	69	12:50	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
213	7/12/2011	EFGB	69	12:50	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
214	7/12/2011	EFGB	69	12:50	First 5mins	dusky damselfish	*Stegastes adustus*	H	1	0	0	0	0	0	0	0	0	0.52
215	7/12/2011	EFGB	67	12:51	First 5mins	rock beauty	*Holacanthus tricolor*	I	1	0	0	0	1	0	0	0	0	313.9
216	7/12/2011	EFGB	67	12:51	First 5mins	bluehead	*Thalassoma bifasciatum*	I	12	0	0	0	0	0	0	0	0	1.96
217	7/12/2011	EFGB	67	12:51	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	14	0	0	0	6604.23
218	7/12/2011	EFGB	67	12:51	First 5mins	bi-color damselfish	*Stegastes partitus*	H	11	0	0	0	0	0	0	0	0	3.6
219	7/12/2011	EFGB	67	12:51	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	0	0	0	0	0	0	56.85
220	7/12/2011	EFGB	67	12:51	First 5mins	brown chromis	*Chromis multilineata*	I	100	0	0	0	0	0	0	0	0	56.65
221	7/12/2011	EFGB	67	12:51	First 5mins	blue chromis	*Chromis cyanea*	PL	20	0	0	0	0	0	0	0	0	10.8
222	7/12/2011	EFGB	67	12:51	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	2	22	0	0	0	0	4031.31
223	7/12/2011	EFGB	67	12:51	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	1	0	0	0	368.1
224	7/12/2011	EFGB	67	12:51	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
225	7/12/2011	EFGB	67	12:51	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
226	7/12/2011	EFGB	67	12:51	First 5mins	bar jack	*Carangoides ruber*	P	0	2	0	0	0	0	0	0	0	3.3
227	7/12/2011	EFGB	67	12:51	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	0	0	3	0	0	0	0	0	271.32
228	7/12/2011	EFGB	67	12:51	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
229	7/12/2011	EFGB	67	12:51	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	0	0	0	0	0	0	0	0	1.74

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
230	7/12/2011	EFGB	67	12:51	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
231	7/12/2011	EFGB	67	12:51	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	2	0	0	0	0	0	326.92
232	7/12/2011	EFGB	67	12:51	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	6	0	0	0	0	0	0	0	54.8
233	7/12/2011	EFGB	67	12:51	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	5	0	0	0	0	0	0	202.15
234	7/12/2011	EFGB	67	12:51	First 5mins	scamp	*Mycteroperca phenax*	P	0	0	0	0	1	0	0	0	0	153.67
235	7/12/2011	EFGB	67	12:51	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	1	0	0	0	0	0	0	57.42
236	7/12/2011	EFGB	67	12:51	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	0	1	0	0	0	0	0	120.59
237	7/12/2011	EFGB	67	12:51	First 5mins	sunshinefish	*Chromis insolata*	PL	1	0	0	0	0	0	0	0	0	0.41
238	7/12/2011	EFGB	67	12:51	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	1	0	0	0	0	0	0	40.23
239	7/12/2011	EFGB	67	12:51	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	0	1	0	0	744.92
240	7/12/2011	EFGB	67	12:51	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	1	0	0	585.39
241	7/12/2011	EFGB	67	12:51	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	1	0	0	0	0	0	0	0	0	0.17
242	7/12/2011	EFGB	65	15:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	1	2	0	0	0	0	0	0	0	26.21
243	7/12/2011	EFGB	65	15:35	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	2	0	0	0	0	0	0	118.8
244	7/12/2011	EFGB	65	15:35	First 5mins	bandtail puffer	*Sphoeroides spengleri*	I	0	2	0	0	0	0	0	0	0	16.15

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
245	7/12/2011	EFGB	65	15:35	First 5mins	brown chromis	*Chromis multilineata*	I	75	50	0	0	0	0	0	0	0	772.03
246	7/12/2011	EFGB	65	15:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	16	1	0	0	0	0	0	0	0	7.24
247	7/12/2011	EFGB	65	15:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	8	0	0	0	0	0	0	235.14
248	7/12/2011	EFGB	65	15:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	1	0	0	0	0	0	0	0	7.52
249	7/12/2011	EFGB	65	15:35	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
250	7/12/2011	EFGB	65	15:35	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	5	0	0	0	0	0	0	0	0	0.98
251	7/12/2011	EFGB	65	15:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	1	0	0	0	0	0	33.76
252	7/12/2011	EFGB	65	15:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	2	0	0	0	0	0	0	83.19
253	7/12/2011	EFGB	65	15:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
254	7/12/2011	EFGB	65	15:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	4	0	0	0	0	0	0	0	0	2.08
255	7/12/2011	EFGB	65	15:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	1	0	0	0	0	0	0	0	7.89
256	7/12/2011	EFGB	65	15:35	First 5mins	bar jack	*Carangoides ruber*	P	0	1	0	0	0	0	0	0	0	1.65
257	7/12/2011	EFGB	65	15:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	1	0	0	0	0	0	0	29.39
258	7/12/2011	EFGB	65	15:35	First 5mins	black durgon	*Melichthys niger*	H	0	0	4	0	0	0	0	0	0	183.61
259	7/12/2011	EFGB	65	15:35	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
260	7/12/2011	EFGB	65	15:35	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	1	0	0	0	0	0	84.86

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
261	7/12/2011	EFGB	65	15:35	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	1	1	1	0	0	0	0	0	136.9
262	7/12/2011	EFGB	65	15:35	First 5mins	brown chromis	*Chromis multilineata*	I	100	11	0	0	0	0	0	0	0	217.15
263	7/12/2011	EFGB	65	15:35	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	3	0	0	0	0	0	0	0	0	0.59
264	7/12/2011	EFGB	65	15:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	11	0	0	0	0	1933.83
265	7/12/2011	EFGB	65	15:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
266	7/12/2011	EFGB	65	15:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	4	0	0	865.07
267	7/12/2011	EFGB	65	15:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	15	1	0	0	0	0	0	0	0	7.07
268	7/12/2011	EFGB	65	15:35	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	1	0	0	0	0	0	0	0	4.67
269	7/12/2011	EFGB	65	15:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
270	7/12/2011	EFGB	65	15:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71
271	7/12/2011	EFGB	65	15:35	First 5mins	blue chromis	*Chromis cyanea*	PL	0	2	0	0	0	0	0	0	0	27.83
272	7/12/2011	EFGB	65	15:35	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	0	3	0	0	0	0	0	0	136.97
273	7/12/2011	EFGB	65	15:35	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
274	7/12/2011	EFGB	65	15:35	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	2	0	0	0	620.5
275	7/12/2011	EFGB	65	15:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	8	0	0	0	0	0	0	0	0	1.76
276	7/12/2011	EFGB	65	15:35	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	1	0	0	649.4

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
277	7/12/2011	EFGB	65	15:35	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	0	0	1	0	0	0	0	234.65
278	7/12/2011	EFGB	65	15:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	1	0	0	0	471.73
279	7/12/2011	EFGB	65	15:35	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	2	0	0	0	736.21
280	7/12/2011	EFGB	65	15:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	2	0	0	0	0	0	0	0	23.97
281	7/12/2011	EFGB	65	15:35	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	2	0	0	0	0	741.51
282	7/12/2011	EFGB	65	15:55	First 5mins	brown chromis	*Chromis multilineata*	I	50	25	0	0	0	0	0	0	0	393.1
283	7/12/2011	EFGB	65	15:55	First 5mins	bluehead	*Thalassoma bifasciatum*	I	19	1	0	0	0	0	0	0	0	7.73
284	7/12/2011	EFGB	65	15:55	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63
285	7/12/2011	EFGB	65	15:55	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	1	1	0	0	0	0	0	0	39.12
286	7/12/2011	EFGB	65	15:55	First 5mins	neon goby	*Elacatinus oceanops*	I	5	0	0	0	0	0	0	0	0	0.71
287	7/12/2011	EFGB	65	15:55	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
288	7/12/2011	EFGB	65	15:55	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	8	0	0	0	0	0	0	0	0	3.48
289	7/12/2011	EFGB	65	15:55	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	2	1	1	0	0	0	0	0	144.37
290	7/12/2011	EFGB	65	15:55	First 5mins	creole wrasse	*Clepticus parrae*	PL	10	0	0	0	0	0	0	0	0	2.19
291	7/12/2011	EFGB	65	15:55	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
292	7/12/2011	EFGB	65	15:55	First 5mins	striped parrotfish	*Scarus iseri*	H	2	0	0	0	0	0	0	0	0	0.6

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
293	7/12/2011	EFGB	65	15:55	First 5mins	squirrelfish	*Holocentrus adscensionis*	I	0	1	0	0	0	0	0	0	0	8.78
294	7/12/2011	EFGB	65	15:55	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	2	0	0	0	0	0	0	0	10.89
295	7/12/2011	EFGB	65	15:55	First 5mins	dusky damselfish	*Stegastes adustus*	H	3	0	0	0	0	0	0	0	0	1.56
296	7/12/2011	EFGB	65	15:55	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
297	7/12/2011	EFGB	65	15:55	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	0	0	60	2	6149.87
298	7/12/2011	EFGB	65	15:55	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	0	1	0	0	0	0	0	0	0	9.82
299	7/12/2011	EFGB	65	15:55	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	1	1	0	0	0	569.72
300	7/12/2011	EFGB	65	15:55	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84
301	7/12/2011	EFGB	65	15:55	First 5mins	brown chromis	*Chromis multilineata*	I	0	200	0	0	0	0	0	0	0	2918.16
302	7/12/2011	EFGB	65	15:55	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
303	7/12/2011	EFGB	65	15:55	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
304	7/12/2011	EFGB	65	15:55	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	2	0	0	0	0	741.51
305	7/12/2011	EFGB	65	15:55	First 5mins	creole wrasse	*Clepticus parrae*	PL	6	0	5	0	0	0	0	0	0	148.28
306	7/12/2011	EFGB	65	15:55	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	1	0	0	789.13
307	7/12/2011	EFGB	65	15:55	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	60	0	0	0	0	0	4909.64

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
308	7/12/2011	EFGB	65	15:55	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	1	0	1	0	0	0	0	0	91.89
309	7/12/2011	EFGB	65	15:55	First 5mins	bluehead	*Thalassoma bifasciatum*	I	30	0	0	0	0	0	0	0	0	4.91
310	7/12/2011	EFGB	65	15:55	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	4	0	0	0	0	0	0	0	28.15
311	7/12/2011	EFGB	65	15:55	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
312	7/12/2011	EFGB	65	15:55	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	2	0	0	432.53
313	7/12/2011	EFGB	65	15:55	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	1	0	0	0	0	0	0	0	9.47
314	7/12/2011	EFGB	65	15:55	First 5mins	purple reeffish	*Chromis scotti*	PL	1	0	0	0	0	0	0	0	0	0.31
315	7/12/2011	EFGB	65	15:55	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	1	0	0	0	0	0	0	35.09
316	7/12/2011	EFGB	61	17:20	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	0	0	0	0	2	0	0	0	636.38
317	7/12/2011	EFGB	61	17:20	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	11	0	14	0	0	0	0	2784.55
318	7/12/2011	EFGB	61	17:20	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	4	0	0	3156.53
319	7/12/2011	EFGB	61	17:20	First 5mins	rock beauty	*Holacanthus tricolor*	I	2	0	0	0	0	1	0	0	0	557.15
320	7/12/2011	EFGB	61	17:20	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
321	7/12/2011	EFGB	61	17:20	First 5mins	whitespotted filefish	*Cantherhines macrocerus*	I	0	0	0	0	0	1	0	0	0	369.41
322	7/12/2011	EFGB	61	17:20	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
323	7/12/2011	EFGB	61	17:20	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	2	0	0	0	0	0	0	80.47
324	7/12/2011	EFGB	61	17:20	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	0	0	1	0	0	607.61
325	7/12/2011	EFGB	61	17:20	First 5mins	bi-color damselfish	*Stegastes partitus*	H	1	0	0	0	0	0	0	0	0	0.33
326	7/12/2011	EFGB	61	17:20	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	0	12	0	0	0	0	4168.97
327	7/12/2011	EFGB	61	17:20	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	2	0	2	0	0	0	0	0	327.95
328	7/12/2011	EFGB	61	17:20	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	0	2	0	0	0	0	0	241.17
329	7/12/2011	EFGB	61	17:20	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	0	5	0	0	0	3782.56
330	7/12/2011	EFGB	61	17:20	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	0	2	0	0	0	0	0	0	65.7
331	7/12/2011	EFGB	61	17:20	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	2	0	0	0	0	0	0	0	25.98
332	7/12/2011	EFGB	61	17:20	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
333	7/12/2011	EFGB	61	17:20	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	4	0	0	0	0	0	0	0	0	1.15
334	7/12/2011	EFGB	61	17:20	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	2	0	0	0	0	0	0	0	0	0.87
335	7/12/2011	EFGB	61	17:20	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	0	1	0	0	0	1	0	0	0	225.21
336	7/12/2011	EFGB	61	17:20	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	0	1	0	0	523.71
337	7/12/2011	EFGB	61	17:20	First 5mins	bluehead	*Thalassoma bifasciatum*	I	0	9	0	0	0	0	0	0	0	41.57

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
338	7/12/2011	EFGB	61	17:20	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99
339	7/12/2011	EFGB	61	17:20	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	0	0	0	2	0	0	185.61
340	7/12/2011	EFGB	61	17:20	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	0	2	0	0	1489.84
341	7/12/2011	EFGB	61	17:20	First 5mins	squirrelfish	*Holocentrus adscensionis*	I	0	0	0	0	0	1	0	0	0	432.58
342	7/12/2011	EFGB	61	17:20	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	1	0	0	0	0	0	0	57.42
343	7/12/2011	EFGB	61	17:20	First 5mins	creolefish	*Paranthias furcifer*	PL	22	0	0	0	0	8	0	0	0	2594.91
344	7/12/2011	EFGB	61	17:20	First 5mins	French angelfish	*Pomacanthus paru*	I	0	0	0	0	0	0	1	0	0	1080.55
345	7/12/2011	EFGB	66	17:20	First 5mins	brown chromis	*Chromis multilineata*	I	70	15	0	0	0	0	0	0	0	258.52
346	7/12/2011	EFGB	66	17:20	First 5mins	creole wrasse	*Clepticus parrae*	PL	13	5	0	0	0	0	0	0	0	33.91
347	7/12/2011	EFGB	66	17:20	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	2	0	0	0	0	0	0	0	0	0.57
348	7/12/2011	EFGB	66	17:20	First 5mins	Spanish hogfish	*Bodianus rufus*	I	8	0	0	0	0	0	0	0	0	1.9
349	7/12/2011	EFGB	66	17:20	First 5mins	bluehead	*Thalassoma bifasciatum*	I	21	1	0	0	0	0	0	0	0	8.06
350	7/12/2011	EFGB	66	17:20	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
351	7/12/2011	EFGB	66	17:20	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	2	0	0	0	0	508.51

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
352	7/12/2011	EFGB	66	17:20	First 5mins	threespot damselfish	*Stegastes planifrons*	I	3	7	0	0	0	0	0	0	0	85.46
353	7/12/2011	EFGB	66	17:20	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	1	0	1	0	0	0	0	0	120.38
354	7/12/2011	EFGB	66	17:20	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	5	1	0	0	0	0	0	0	0	12
355	7/12/2011	EFGB	66	17:20	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
356	7/12/2011	EFGB	66	17:20	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	0	0	0	0	0	151.77
357	7/12/2011	EFGB	66	17:20	First 5mins	bi-color damselfish	*Stegastes partitus*	H	6	0	0	0	0	0	0	0	0	1.96
358	7/12/2011	EFGB	66	17:20	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	2	0	0	0	0	0	0	0	0	0.35
359	7/12/2011	EFGB	66	17:20	First 5mins	blue chromis	*Chromis cyanea*	PL	4	1	0	0	0	0	0	0	0	16.07
360	7/12/2011	EFGB	66	17:20	First 5mins	bar jack	*Carangoides ruber*	P	0	2	0	0	0	0	0	0	0	3.3
361	7/12/2011	EFGB	66	17:20	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
362	7/12/2011	EFGB	66	17:20	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	1	0	0	0	0	0	0	0	7.89
363	7/12/2011	EFGB	66	17:20	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	0	0	0	0	1	0	0	0	290.97
364	7/12/2011	EFGB	72	17:40	First 5mins	creolefish	*Paranthias furcifer*	PL	0	19	11	0	0	34	0	0	0	11449.16
365	7/12/2011	EFGB	72	17:40	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	0	0	0	0	0	0	0	6.02
366	7/12/2011	EFGB	72	17:40	First 5mins	Spanish hogfish	*Bodianus rufus*	I	22	0	0	0	0	0	0	0	0	5.23
367	7/12/2011	EFGB	72	17:40	First 5mins	brown chromis	*Chromis multilineata*	I	85	0	0	0	0	0	0	0	0	48.16

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
368	7/12/2011	EFGB	72	17:40	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	1	1	0	1	0	0	1433.95
369	7/12/2011	EFGB	72	17:40	First 5mins	surgeonfish spp.	*Acanthurus spp.*	H	0	0	0	4	0	0	0	0	0	613.11
370	7/12/2011	EFGB	72	17:40	First 5mins	bi-color damselfish	*Stegastes partitus*	H	6	0	0	0	0	0	0	0	0	1.96
371	7/12/2011	EFGB	72	17:40	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	7	18	10	0	0	0	6974.84
372	7/12/2011	EFGB	72	17:40	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	3	0	0	0	0	0	0	0	0	0.86
373	7/12/2011	EFGB	72	17:40	First 5mins	dusky damselfish	*Stegastes adustus*	H	4	0	1	0	0	0	0	0	0	53.66
374	7/12/2011	EFGB	72	17:40	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	0	4	0	0	0	3026.05
375	7/12/2011	EFGB	72	17:40	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71
376	7/12/2011	EFGB	72	17:40	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	1	0	0	607.61
377	7/12/2011	EFGB	72	17:40	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	1	0	0	0	0	0	0	0	5.45
378	7/12/2011	EFGB	72	17:40	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	0	0	7	0	0	0	4440.13
379	7/12/2011	EFGB	72	17:40	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	0	0	0	1	0	0	92.8
380	7/12/2011	EFGB	72	17:40	First 5mins	black jack	*Caranx lugubris*	P	0	0	0	0	0	0	2	0	0	987.31
381	7/12/2011	EFGB	72	17:40	First 5mins	banded butterflyfish	*Chaetodon striatus*	I	0	0	0	2	0	0	0	0	0	355.24
382	7/12/2011	EFGB	72	17:40	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	0	1	0	0	523.71
383	7/12/2011	EFGB	72	17:40	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	0	2	0	0	0	0	0	334.42

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
384	7/12/2011	EFGB	72	17:40	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	0	0	1	0	0	0	0	0	104.79
385	7/12/2011	EFGB	59	17:40	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	1	0	0	0	0	0	0	73.39
386	7/12/2011	EFGB	59	17:40	First 5mins	brown chromis	*Chromis multilineata*	I	0	52	73	0	0	0	0	0	0	5582.74
387	7/12/2011	EFGB	59	17:40	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	7	1	0	0	0	0	0	0	0	12.87
388	7/12/2011	EFGB	59	17:40	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	2	0	0	0	0	0	0	0	18.03
389	7/12/2011	EFGB	59	17:40	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	5	0	0	0	0	0	0	297.85
390	7/12/2011	EFGB	59	17:40	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	5	0	0	0	0	0	0	0	0	1.43
391	7/12/2011	EFGB	59	17:40	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	1	0	0	0	0	0	0	0	7.76
392	7/12/2011	EFGB	59	17:40	First 5mins	creole wrasse	*Clepticus parrae*	PL	5	10	0	0	0	0	0	0	0	63.2
393	7/12/2011	EFGB	59	17:40	First 5mins	bluehead	*Thalassoma bifasciatum*	I	24	2	0	0	0	0	0	0	0	13.17
394	7/12/2011	EFGB	59	17:40	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63
395	7/12/2011	EFGB	59	17:40	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	3	0	0	0	0	0	0	0	37.02
396	7/12/2011	EFGB	59	17:40	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	1	0	0	0	0	0	0	29.39
397	7/12/2011	EFGB	59	17:40	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	4	1612.8
398	7/12/2011	EFGB	59	17:40	First 5mins	purple reeffish	*Chromis scotti*	PL	3	0	0	0	0	0	0	0	0	0.92
399	7/12/2011	EFGB	59	17:40	First 5mins	bar jack	*Carangoides ruber*	P	0	1	0	1	0	0	0	0	0	18.59

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
400	7/12/2011	EFGB	59	17:40	First 5mins	French angelfish	*Pomacanthus paru*	I	0	0	0	1	0	0	0	0	0	156.04
401	7/12/2011	EFGB	59	17:40	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	1	0	0	0	0	0	0	35.09
402	7/12/2011	EFGB	59	17:40	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	6	0	0	0	0	0	0	0	71.92
403	7/12/2011	EFGB	59	17:40	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	3	0	0	0	0	0	0	111.18
404	7/12/2011	EFGB	59	17:40	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	1	0	0	0	0	0	0	31.56
405	7/12/2011	EFGB	72	18:19	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
406	7/12/2011	EFGB	72	18:19	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	11	0	0	0	0	0	0	0	0	3.04
407	7/12/2011	EFGB	72	18:19	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	3	0	0	0	0	0	0	0	0	0.86
408	7/12/2011	EFGB	72	18:19	First 5mins	bluehead	*Thalassoma bifasciatum*	I	37	3	0	0	0	0	0	0	0	19.91
409	7/12/2011	EFGB	72	18:19	First 5mins	threespot damselfish	*Stegastes planifrons*	I	1	5	0	0	0	0	0	0	0	60.45
410	7/12/2011	EFGB	72	18:19	First 5mins	creole wrasse	*Clepticus parrae*	PL	5	0	5	0	0	0	0	0	0	148.06
411	7/12/2011	EFGB	72	18:19	First 5mins	brown chromis	*Chromis multilineata*	I	60	15	2	0	0	0	0	0	0	385.02
412	7/12/2011	EFGB	72	18:19	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	70	1	2160.9
413	7/12/2011	EFGB	72	18:19	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	85	1	3868.99
414	7/12/2011	EFGB	72	18:19	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
415	7/12/2011	EFGB	72	18:19	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	2	0	0	0	0	0	0	0	14.64
416	7/12/2011	EFGB	72	18:19	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	2	0	0	0	0	0	0	69.14
417	7/12/2011	EFGB	72	18:19	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	1	0	0	0	0	0	0	0	11.08
418	7/12/2011	EFGB	72	18:19	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	0	0	0	1	0	0	552.6
419	7/12/2011	EFGB	72	18:19	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	7	0	0	0	0	0	0	0	38.12
420	7/12/2011	EFGB	72	18:19	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	0	0	2	0	0	2739.63
421	7/12/2011	EFGB	72	18:19	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	0	0	45	1	1363.34
422	7/12/2011	EFGB	72	18:19	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	0	0	35	1	651.21
423	7/12/2011	EFGB	73	18:43	First 5mins	brown chromis	*Chromis multilineata*	I	500	700	50	0	0	0	0	0	0	13800.96
424	7/12/2011	EFGB	73	18:43	First 5mins	bluehead	*Thalassoma bifasciatum*	I	47	1	0	0	0	0	0	0	0	12.31
425	7/12/2011	EFGB	73	18:43	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	3	0	0	0	0	0	0	88.18
426	7/12/2011	EFGB	73	18:43	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
427	7/12/2011	EFGB	73	18:43	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	3	0	0	0	0	0	0	0	35.96
428	7/12/2011	EFGB	73	18:43	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
429	7/12/2011	EFGB	73	18:43	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	3	2	2	0	0	0	0	603.44
430	7/12/2011	EFGB	73	18:43	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	3	0	0	0	0	0	0	131.84

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
431	7/12/2011	EFGB	73	18:43	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	0	0	2	0	0	2739.63
432	7/12/2011	EFGB	73	18:43	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	1	0	0	0	0	0	0	57.42
433	7/12/2011	EFGB	73	18:43	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	0	0	0	0	0	0	0	0	0.95
434	7/12/2011	EFGB	73	18:43	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	5	3	0	0	0	0	0	0	0	22.54
435	7/12/2011	EFGB	73	18:43	First 5mins	dusky damselfish	*Stegastes adustus*	H	2	0	0	0	0	0	0	0	0	1.04
436	7/12/2011	EFGB	73	18:43	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	80	12	38707.2
437	7/12/2011	EFGB	73	18:43	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	90	20	91854
438	7/12/2011	EFGB	73	18:43	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	8	0	0	0	0	2034.05
439	7/12/2011	EFGB	73	18:43	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	1	1	1	0	0	0	109.36
440	7/12/2011	EFGB	73	18:43	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	1	0	0	0	0	0	0	0	0	0.44
441	7/12/2011	EFGB	73	18:43	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	0	55	1	3151.95
442	7/12/2011	EFGB	73	18:43	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	0	1	0	0	0	0	0	0	26.19
443	7/12/2011	EFGB	73	18:43	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	0	0	1	0	0	0	0	234.65
444	7/12/2011	EFGB	73	18:43	First 5mins	neon goby	*Elacatinus oceanops*	I	6	0	0	0	0	0	0	0	0	0.85
445	7/12/2011	EFGB	73	18:43	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	3	0	0	0	0	0	0	0	0	0.86
446	7/12/2011	EFGB	73	18:43	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	12	0	0	0	0	0	0	0	0	3.32

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
447	7/12/2011	EFGB	65	8:00	First 5mins	Crevalle jack	*Caranx hippos*	P	0	0	0	0	0	0	1	0	0	704.4
448	7/12/2011	EFGB	65	8:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	8	2	0	0	0	0	0	0	0	28.13
449	7/12/2011	EFGB	65	8:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
450	7/12/2011	EFGB	65	8:00	First 5mins	brown chromis	*Chromis multilineata*	I	80	0	80	0	0	0	0	0	0	5331.92
451	7/12/2011	EFGB	65	8:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	5	0	0	0	0	0	0	0	26.37
452	7/12/2011	EFGB	65	8:00	First 5mins	blue chromis	*Chromis cyanea*	PL	0	3	0	0	0	0	0	0	0	41.74
453	7/12/2011	EFGB	65	8:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	15	0	0	0	0	0	0	0	0	4.9
454	7/12/2011	EFGB	65	8:00	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	0	1	0	0	0	0	0	110.94
455	7/12/2011	EFGB	65	8:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	8	0	0	0	0	2966.02
456	7/12/2011	EFGB	65	8:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	10	0	0	0	0	0	0	0	0	2.38
457	7/12/2011	EFGB	65	8:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	4	0	0	0	0	0	0	0	28.15
458	7/12/2011	EFGB	65	8:00	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	3	0	0	0	0	0	0	0	0	0.59
459	7/12/2011	EFGB	65	8:00	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	0	1	0	0	0	0	0	0	45.66
460	7/12/2011	EFGB	65	8:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	3	50	2	2223.8
461	7/12/2011	EFGB	65	8:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	6	0	0	0	0	1054.82
462	7/12/2011	EFGB	65	8:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	1	0	1	1	0	0	0	604.29

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
463	7/12/2011	EFGB	65	8:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	3	0	0	0	0	0	0	178.19
464	7/12/2011	EFGB	65	8:00	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	1	0	0	0	0	0	0	0	4.67
465	7/12/2011	EFGB	65	8:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	0	1	0	0	0	0	370.39
466	7/12/2011	EFGB	65	8:00	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	2	0	0	0	0	0	164.01
467	7/12/2011	EFGB	65	8:00	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	3	0	0	0	0	0	0	0	0	0.52
468	7/12/2011	EFGB	65	8:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	1	0	0	0	471.73
469	7/12/2011	EFGB	65	8:00	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	1	0	0	0	0	0	0	34.57
470	7/12/2011	EFGB	65	8:25	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	13	0	0	10258.72
471	7/12/2011	EFGB	65	8:25	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	11	0	0	0	0	0	900.1
472	7/12/2011	EFGB	65	8:25	First 5mins	brown chromis	*Chromis multilineata*	I	50	10	0	0	0	0	0	0	0	174.24
473	7/12/2011	EFGB	65	8:25	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	1	0	0	0	0	0	0	0	4.67
474	7/12/2011	EFGB	65	8:25	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	3	0	0	0	0	0	0	0	27.4
475	7/12/2011	EFGB	65	8:25	First 5mins	Spanish hogfish	*Bodianus rufus*	I	6	1	0	0	0	0	0	0	0	8.23
476	7/12/2011	EFGB	65	8:25	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
477	7/12/2011	EFGB	65	8:25	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
478	7/12/2011	EFGB	65	8:25	First 5mins	coney	*Cephalopholis fulva*	I	0	0	2	0	0	0	0	0	0	67.97
479	7/12/2011	EFGB	65	8:25	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	0	0	0	0	0	0	56.85
480	7/12/2011	EFGB	65	8:25	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	3	0	0	0	0	0	0	0	38.97
481	7/12/2011	EFGB	65	8:25	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73
482	7/12/2011	EFGB	65	8:25	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
483	7/12/2011	EFGB	65	8:25	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	0	0	0	1	0	0	0	428.42
484	7/12/2011	EFGB	65	8:25	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	1	0	0	1	0	0	0	402.68
485	7/12/2011	EFGB	65	8:25	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84
486	7/13/2011	WFGB	65	11:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	17	0	0	30	0	0	25667.2
487	7/13/2011	WFGB	65	11:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
488	7/13/2011	WFGB	65	11:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	80	25	80640
489	7/13/2011	WFGB	65	11:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	110	25	209632.5
490	7/13/2011	WFGB	65	11:30	First 5mins	brown chromis	*Chromis multilineata*	I	200	100	0	0	0	0	0	0	0	1572.39
491	7/13/2011	WFGB	65	11:30	First 5mins	blue chromis	*Chromis cyanea*	PL	0	5	0	0	0	0	0	0	0	69.57
492	7/13/2011	WFGB	65	11:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	0	1	0	0	0	0	0	0	33.57
493	7/13/2011	WFGB	65	11:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	8	0	0	0	0	0	0	0	0	2.61

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
494	7/13/2011	WFGB	65	11:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	5	0	0	0	0	0	0	0	26.37
495	7/13/2011	WFGB	65	11:30	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	10	0	0	0	0	0	0	293.92
496	7/13/2011	WFGB	65	11:30	First 5mins	creole wrasse	*Clepticus parrae*	PL	12	0	1	0	0	0	0	0	0	32.03
497	7/13/2011	WFGB	65	11:30	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	2	0	0	1824.96
498	7/13/2011	WFGB	65	11:30	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
499	7/13/2011	WFGB	65	11:30	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	4	0	0	0	0	0	0	0	36.53
500	7/13/2011	WFGB	65	11:30	First 5mins	slippery dick	*Halichoeres bivittatus*	I	0	1	0	0	0	0	0	0	0	5.37
501	7/13/2011	WFGB	65	11:30	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	8	0	0	0	0	0	0	0	0	3.48
502	7/13/2011	WFGB	65	11:30	First 5mins	striped parrotfish	*Scarus iseri*	H	0	3	0	0	0	0	0	0	0	22.41
503	7/13/2011	WFGB	65	11:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	3	0	0	0	0	0	490.38
504	7/13/2011	WFGB	65	11:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	2	0	0	0	0	0	0	0	14.36
505	7/13/2011	WFGB	65	11:30	First 5mins	neon goby	*Elacatinus oceanops*	I	6	0	0	0	0	0	0	0	0	0.85
506	7/13/2011	WFGB	65	11:30	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	2	0	0	0	0	0	0	0	26.07
507	7/13/2011	WFGB	65	11:30	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	2	0	0	0	0	0	0	0	0	0.57
508	7/13/2011	WFGB	65	11:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	4	3	0	0	0	0	0	0	0	32.6
509	7/13/2011	WFGB	65	11:30	First 5mins	townsend angelfish	*Holacanthus townsendi*	I	0	0	1	0	0	0	0	0	0	49.7

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
510	7/13/2011	WFGB	65	11:30	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	5	0	0	0	0	0	0	0	0	1.38
511	7/13/2011	WFGB	73	11:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	6	0	0	1297.6
512	7/13/2011	WFGB	73	11:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	30	5	0	0	0	0	0	0	0	28
513	7/13/2011	WFGB	73	11:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	0	0	0	0	0	0	0.71
514	7/13/2011	WFGB	73	11:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	6	0	0	0	0	0	0	0	42.22
515	7/13/2011	WFGB	73	11:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	35	0	0	0	16510.57
516	7/13/2011	WFGB	73	11:30	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	0	0	1	0	0	0	0	281.16
517	7/13/2011	WFGB	73	11:30	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	1	0	0	0	0	0	0	40.43
518	7/13/2011	WFGB	73	11:30	First 5mins	creole wrasse	*Clepticus parrae*	PL	1	0	0	0	3	0	0	0	0	527.63
519	7/13/2011	WFGB	73	11:30	First 5mins	brown chromis	*Chromis multilineata*	I	65	30	0	0	0	0	0	0	0	474.55
520	7/13/2011	WFGB	73	11:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
521	7/13/2011	WFGB	73	11:30	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	2	0	0	0	2	0	0	0	1149.07
522	7/13/2011	WFGB	73	11:30	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	3	0	0	0	0	0	245.48
523	7/13/2011	WFGB	73	11:30	First 5mins	purple reeffish	*Chromis scotti*	PL	8	2	0	0	0	0	0	0	0	18.24
524	7/13/2011	WFGB	73	11:30	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	1	0	0	0	0	0	0	0	12.34

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
525	7/13/2011	WFGB	73	11:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
526	7/13/2011	WFGB	73	11:30	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	4	0	0	0	0	0	0	0	47.95
527	7/13/2011	WFGB	73	11:30	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	0	1	0	0	0	0	0	0	44.96
528	7/13/2011	WFGB	73	11:30	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	2	0	0	1215.22
529	7/13/2011	WFGB	72	11:50	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	1	0	0	0	310.25
530	7/13/2011	WFGB	72	11:50	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	4	0	0	3156.53
531	7/13/2011	WFGB	72	11:50	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	20	0	0	0	0	0	0	0	95.65
532	7/13/2011	WFGB	72	11:50	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	6	0	0	0	0	0	0	0	71.92
533	7/13/2011	WFGB	72	11:50	First 5mins	brown chromis	*Chromis multilineata*	I	30	0	0	0	0	0	0	0	0	17
534	7/13/2011	WFGB	72	11:50	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	5	0	0	0	0	0	409.14
535	7/13/2011	WFGB	72	11:50	First 5mins	sunshinefish	*Chromis insolata*	PL	0	2	0	0	0	0	0	0	0	21.09
536	7/13/2011	WFGB	72	11:50	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	2	0	0	1215.22
537	7/13/2011	WFGB	72	11:50	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	15	0	0	0	1965.3
538	7/13/2011	WFGB	72	11:50	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	0	0	0	0	0	0	0	0	1.19
539	7/13/2011	WFGB	72	11:50	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
540	7/13/2011	WFGB	72	11:50	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	1	0	2	0	0	0	1274.38

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
541	7/13/2011	WFGB	72	11:50	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
542	7/13/2011	WFGB	72	11:50	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	8	0	0	0	0	0	0	0	83.44
543	7/13/2011	WFGB	72	11:50	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	0	0	0	1	0	0	0	0	155.57
544	7/13/2011	WFGB	72	11:50	First 5mins	black durgon	*Melichthys niger*	H	0	1	0	0	0	0	0	0	0	7.47
545	7/13/2011	WFGB	72	11:50	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	1	0	0	0	0	0	0	31.56
546	7/13/2011	WFGB	72	11:50	First 5mins	French angelfish	*Pomacanthus paru*	I	0	0	0	0	0	0	1	0	0	1080.55
547	7/13/2011	WFGB	72	11:50	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	2	0	0	0	620.5
548	7/13/2011	WFGB	72	11:50	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99
549	7/13/2011	WFGB	72	11:50	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	0	45	1	1658.44
550	7/13/2011	WFGB	72	11:50	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
551	7/13/2011	WFGB	72	11:50	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
552	7/13/2011	WFGB	70	11:52	First 5mins	brown chromis	*Chromis multilineata*	I	40	20	0	0	0	0	0	0	0	314.48
553	7/13/2011	WFGB	70	11:52	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	1	0	0	0	0	0	0	0	12.06
554	7/13/2011	WFGB	70	11:52	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	100	2	12600
555	7/13/2011	WFGB	70	11:52	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	3	0	0	2367.4
556	7/13/2011	WFGB	70	11:52	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	2	0	0	0	0	0	0	0	23.97

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
557	7/13/2011	WFGB	70	11:52	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	3	0	0	0	0	0	0	0	15.49
558	7/13/2011	WFGB	70	11:52	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	5	2	0	0	0	0	0	0	0	15.5
559	7/13/2011	WFGB	70	11:52	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	12	0	0	0	0	0	981.93
560	7/13/2011	WFGB	70	11:52	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	10	0	0	0	0	0	818.27
561	7/13/2011	WFGB	70	11:52	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	2	0	0	0	0	0	0	69.14
562	7/13/2011	WFGB	70	11:52	First 5mins	French angelfish	*Pomacanthus paru*	I	0	0	0	0	0	0	1	0	0	1080.55
563	7/13/2011	WFGB	70	11:52	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	6	0	0	0	0	0	0	0	0	2.61
564	7/13/2011	WFGB	70	11:52	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	1	0	0	0	0	1	0	0	0	562.18
565	7/13/2011	WFGB	70	11:52	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
566	7/13/2011	WFGB	70	11:52	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	2	0	0	0	0	0	0	0	10.89
567	7/13/2011	WFGB	70	11:52	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	2	0	0	0	0	0	0	72.04
568	7/13/2011	WFGB	70	11:52	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54
569	7/13/2011	WFGB	70	11:52	First 5mins	bar jack	*Carangoides ruber*	P	0	2	0	0	0	0	0	0	0	3.3
570	7/13/2011	WFGB	65	15:00	First 5mins	brown chromis	*Chromis multilineata*	I	23	35	0	0	0	0	0	0	0	523.71
571	7/13/2011	WFGB	65	15:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	8	0	0	0	0	0	0	235.14
572	7/13/2011	WFGB	65	15:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	0	0	0	0	0	0	0	0	1.74

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
573	7/13/2011	WFGB	65	15:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
574	7/13/2011	WFGB	65	15:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	4	0	0	0	0	0	0	0	0	1.31
575	7/13/2011	WFGB	65	15:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54
576	7/13/2011	WFGB	65	15:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	75	2	5315.63
577	7/13/2011	WFGB	65	15:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	6	0	0	0	0	0	490.96
578	7/13/2011	WFGB	65	15:00	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	0	0	1	0	0	607.61
579	7/13/2011	WFGB	65	15:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73
580	7/13/2011	WFGB	65	15:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	0	45	2	4696.93
581	7/13/2011	WFGB	65	15:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	10	0	0	7891.33
582	7/13/2011	WFGB	65	15:00	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62
583	7/13/2011	WFGB	65	15:00	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	2	0	0	0	0	0	0	0	10.89
584	7/13/2011	WFGB	65	15:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	4	0	0	0	0	0	0	0	28.15
585	7/13/2011	WFGB	65	15:00	First 5mins	blue angelfish	*Holacanthus bermudensis*	I	0	0	0	1	0	0	0	0	0	128.04
586	7/13/2011	WFGB	70	15:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	6	0	0	0	0	0	0	0	62.58
587	7/13/2011	WFGB	70	15:00	First 5mins	brown chromis	*Chromis multilineata*	I	250	55	0	0	0	0	0	0	0	944.13

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
588	7/13/2011	WFGB	70	15:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	35	0	0	0	16510.57
589	7/13/2011	WFGB	70	15:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	0	0	0	0	0	0	0.71
590	7/13/2011	WFGB	70	15:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	4	0	0	0	0	0	0	237.59
591	7/13/2011	WFGB	70	15:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	30	5	0	0	0	0	0	0	0	28
592	7/13/2011	WFGB	70	15:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	5	0	0	2	0	0	0	0	0	164.75
593	7/13/2011	WFGB	70	15:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	4	0	0	0	1472.42
594	7/13/2011	WFGB	70	15:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	4	1612.8
595	7/13/2011	WFGB	70	15:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	3	0	0	0	0	0	490.38
596	7/13/2011	WFGB	70	15:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	4	0	0	0	0	703.21
597	7/13/2011	WFGB	70	15:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	6	0	0	0	0	0	0	0	71.92
598	7/13/2011	WFGB	70	15:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	2	0	0	0	0	0	0	0	14.07
599	7/13/2011	WFGB	70	15:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	0	0	0	0	0	151.77
600	7/13/2011	WFGB	70	15:00	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	0	1	0	0	0	0	0	0	60.35
601	7/13/2011	WFGB	70	15:00	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	0	0	0	0	0	0	45	1	1352.54
602	7/13/2011	WFGB	72	15:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	5	2016
603	7/13/2011	WFGB	72	15:15	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	6	0	0	0	2830.38

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
604	7/13/2011	WFGB	72	15:15	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	0	1	0	0	744.92
605	7/13/2011	WFGB	72	15:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	10	0	0	0	0	0	818.27
606	7/13/2011	WFGB	72	15:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	8	0	0	0	0	0	0	0	0	2.61
607	7/13/2011	WFGB	72	15:15	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	6	0	0	0	0	0	0	0	71.92
608	7/13/2011	WFGB	72	15:15	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	2	0	0	0	0	0	0	0	26.07
609	7/13/2011	WFGB	72	15:15	First 5mins	brown chromis	*Chromis multilineata*	I	20	10	0	0	0	0	0	0	0	157.24
610	7/13/2011	WFGB	72	15:15	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	0	0	0	0	0	0	0	0	1.19
611	7/13/2011	WFGB	72	15:15	First 5mins	blue chromis	*Chromis cyanea*	PL	4	0	0	0	0	0	0	0	0	2.16
612	7/13/2011	WFGB	72	15:15	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	0	1	0	0	0	0	0	0	0	2.59
613	7/13/2011	WFGB	72	15:15	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
614	7/13/2011	WFGB	72	15:15	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	2	0	0	0	0	0	0	80.86
615	7/13/2011	WFGB	72	15:15	First 5mins	bar jack	*Carangoides ruber*	P	0	0	4	0	0	0	0	0	0	26.87
616	7/13/2011	WFGB	72	15:15	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	4	0	0	0	0	806.46
617	7/13/2011	WFGB	72	15:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	30	2	0	0	0	0	0	0	0	14.15
618	7/13/2011	WFGB	72	15:15	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	2	0	0	0	0	0	302.17
619	7/13/2011	WFGB	72	15:15	First 5mins	purple reeffish	*Chromis scotti*	PL	6	0	0	0	0	0	0	0	0	1.84

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
620	7/13/2011	WFGB	72	15:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	2	0	0	0	0	0	326.92
621	7/13/2011	WFGB	72	15:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	2	0	0	0	0	0	0	0	14.07
622	7/13/2011	WFGB	72	15:15	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	2	0	0	0	0	0	0	118.8
623	7/13/2011	WFGB	70	15:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	80	2	6451.2
624	7/13/2011	WFGB	70	15:15	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	0	0	45	1	1977.41
625	7/13/2011	WFGB	70	15:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	6	0	0	0	0	0	490.96
626	7/13/2011	WFGB	70	15:15	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	3	3	0	0	0	0	0	333.66
627	7/13/2011	WFGB	70	15:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73
628	7/13/2011	WFGB	70	15:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	2	0	0	0	0	0	0	0	10.87
629	7/13/2011	WFGB	70	15:15	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	3	2	0	0	0	0	0	0	0	20.95
630	7/13/2011	WFGB	70	15:15	First 5mins	brown chromis	*Chromis multilineata*	I	25	0	0	0	0	0	0	0	0	14.16
631	7/13/2011	WFGB	70	15:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	8	0	0	0	0	0	0	0	0	2.61
632	7/13/2011	WFGB	70	15:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	5	0	0	0	0	0	0	0	36.04
633	7/13/2011	WFGB	70	15:15	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	2	0	0	0	0	0	0	0	14.33
634	7/13/2011	WFGB	70	15:15	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	0	45	1	1658.44
635	7/13/2011	WFGB	70	15:15	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	1	0	0	0	0	0	0	0	11.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
636	7/13/2011	WFGB	70	15:15	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	1	0	0	0	0	171.98
637	7/13/2011	WFGB	70	15:15	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	1	0	0	0	0	201.61
638	7/13/2011	WFGB	70	15:15	First 5mins	honeycomb cowfish	*Acanthostracion polygonius*	I	0	0	0	0	0	0	1	0	0	614.47
639	7/13/2011	WFGB	70	18:45	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	30	0	0	0	0	0	0	0	359.59
640	7/13/2011	WFGB	70	18:45	First 5mins	brown chromis	*Chromis multilineata*	I	75	50	0	0	0	0	0	0	0	772.03
641	7/13/2011	WFGB	70	18:45	First 5mins	blue chromis	*Chromis cyanea*	PL	15	0	0	0	0	0	0	0	0	8.1
642	7/13/2011	WFGB	70	18:45	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	50	0	0	0	0	0	4091.37
643	7/13/2011	WFGB	70	18:45	First 5mins	creole wrasse	*Clepticus parrae*	PL	20	0	0	0	0	18	0	0	0	5832.07
644	7/13/2011	WFGB	70	18:45	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	1	0	0	585.39
645	7/13/2011	WFGB	70	18:45	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	2	806.4
646	7/13/2011	WFGB	70	18:45	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	1	0	0	0	0	370.75
647	7/13/2011	WFGB	70	18:45	First 5mins	bluehead	*Thalassoma bifasciatum*	I	50	0	0	0	0	0	0	0	0	8.19
648	7/13/2011	WFGB	70	18:45	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	4	0	0	0	1472.42
649	7/13/2011	WFGB	70	18:45	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	5	0	0	0	0	0	0	287.11
650	7/13/2011	WFGB	70	18:45	First 5mins	Spanish hogfish	*Bodianus rufus*	I	10	2	0	0	0	0	0	0	0	15.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
651	7/13/2011	WFGB	70	18:45	First 5mins	banded butterflyfish	*Chaetodon striatus*	I	0	0	0	1	0	0	0	0	0	177.62
652	7/13/2011	WFGB	70	18:45	First 5mins	bi-color damselfish	*Stegastes partitus*	H	7	0	0	0	0	0	0	0	0	2.29
653	7/13/2011	WFGB	70	18:45	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	2	0	0	2	0	0	0	0	652.86
654	7/13/2011	WFGB	70	18:45	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	0	75	1	7783.08
655	7/13/2011	WFGB	70	18:45	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
656	7/13/2011	WFGB	70	18:45	First 5mins	honeycomb cowfish	*Acanthostracion polygonius*	I	0	0	0	0	0	0	1	0	0	614.47
657	7/13/2011	WFGB	70	18:45	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	1	0	0	2	0	0	0	0	477.98
658	7/13/2011	WFGB	70	18:45	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	2	0	0	0	0	0	0	80.86
659	7/13/2011	WFGB	70	18:45	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	0	1	0	0	0	0	0	152.77
660	7/13/2011	WFGB	70	18:45	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	10	20	0	0	0	0	0	1930.47
661	7/13/2011	WFGB	70	18:45	First 5mins	brown chromis	*Chromis multilineata*	I	90	5	0	0	0	0	0	0	0	123.94
662	7/13/2011	WFGB	70	18:45	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	0	1	0	0	0	0	0	0	60.35
663	7/13/2011	WFGB	70	18:45	First 5mins	bluehead	*Thalassoma bifasciatum*	I	15	0	0	0	0	0	0	0	0	2.46
664	7/13/2011	WFGB	70	18:45	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	2	0	0	1215.22
665	7/13/2011	WFGB	70	18:45	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
666	7/13/2011	WFGB	65	18:50	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	22	0	0	0	0	0	1800.2
667	7/13/2011	WFGB	65	18:50	First 5mins	creole wrasse	*Clepticus parrae*	PL	15	0	0	10	0	0	0	0	0	821.56
668	7/13/2011	WFGB	65	18:50	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	0	0	0	0	0	0	0	0	1.19
669	7/13/2011	WFGB	65	18:50	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	2	0	0	0	0	0	167.56
670	7/13/2011	WFGB	65	18:50	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62
671	7/13/2011	WFGB	65	18:50	First 5mins	bluehead	*Thalassoma bifasciatum*	I	5	2	0	0	0	0	0	0	0	10.06
672	7/13/2011	WFGB	65	18:50	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	60	1	1360.8
673	7/13/2011	WFGB	65	18:50	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73
674	7/13/2011	WFGB	65	18:50	First 5mins	spotted goatfish	*Pseudupeneus maculatus*	I	0	1	0	0	0	0	0	0	0	8.88
675	7/13/2011	WFGB	65	18:50	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54
676	7/13/2011	WFGB	65	18:50	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
677	7/13/2011	WFGB	65	18:50	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	5	0	0	0	0	0	0	0	0	2.18
678	7/13/2011	WFGB	65	18:50	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	20	0	0	0	9434.61
679	7/13/2011	WFGB	65	18:50	First 5mins	brown chromis	*Chromis multilineata*	I	25	0	0	0	0	0	0	0	0	14.16
680	7/13/2011	WFGB	70	19:10	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73
681	7/13/2011	WFGB	70	19:10	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	80	0	0	0	0	14064.2

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
682	7/13/2011	WFGB	70	19:10	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	0	1	0	0	0	0	370.39
683	7/13/2011	WFGB	70	19:10	First 5mins	creole wrasse	*Clepticus parrae*	PL	10	0	4	26	0	0	0	0	0	2247.27
684	7/13/2011	WFGB	70	19:10	First 5mins	brown chromis	*Chromis multilineata*	I	12	5	0	0	0	0	0	0	0	79.75
685	7/13/2011	WFGB	70	19:10	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	50	1	1003.77
686	7/13/2011	WFGB	70	19:10	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	1	0	0	585.39
687	7/13/2011	WFGB	70	19:10	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	2	0	0	0	0	0	0	0	10.87
688	7/13/2011	WFGB	70	19:10	First 5mins	blue chromis	*Chromis cyanea*	PL	12	0	0	0	0	0	0	0	0	6.48
689	7/13/2011	WFGB	70	19:10	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	5	0	0	0	0	0	0	0	59.93
690	7/13/2011	WFGB	70	19:10	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	4	0	0	0	0	0	0	0	42.7
691	7/13/2011	WFGB	70	19:10	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	1	2	0	0	0	0	0	0	0	25.1
692	7/13/2011	WFGB	70	19:10	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	10	0	0	0	0	0	0	0	0	4.36
693	7/13/2011	WFGB	70	19:10	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	0	1	0	0	744.92
694	7/13/2011	WFGB	70	19:10	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	1	0	0	0	0	0	0	57.42
695	7/13/2011	WFGB	70	19:10	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
696	7/13/2011	WFGB	70	19:10	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	0	1	0	0	0	0	0	110.94
697	7/13/2011	WFGB	70	19:10	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	0	0	0	1	0	0	0	0	194.8

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
698	7/13/2011	WFGB	70	19:10	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	1	0	0	0	0	171.98
699	7/13/2011	WFGB	70	19:10	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	0	0	0	1	0	0	552.6
700	7/13/2011	WFGB	70	19:10	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	1	0	0	0	395.4
701	7/13/2011	WFGB	70	19:10	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	1	0	40	3	3766.5
702	7/13/2011	WFGB	70	19:10	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	45	0	0	0	0	0	3682.23
703	7/13/2011	WFGB	70	19:10	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	1	0	0	0	0	0	82
704	7/13/2011	WFGB	70	19:10	First 5mins	blue chromis	*Chromis cyanea*	PL	10	0	0	0	0	0	0	0	0	5.4
705	7/13/2011	WFGB	70	19:10	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	2	0	0	1824.96
706	7/13/2011	WFGB	70	19:10	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	3	0	0	0	0	0	0	0	35.96
707	7/13/2011	WFGB	70	19:10	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	2	0	0	0	0	0	0	0	10.1
708	7/13/2011	WFGB	70	19:10	First 5mins	sunshinefish	*Chromis insolata*	PL	4	0	0	0	0	0	0	0	0	1.64
709	7/13/2011	WFGB	70	19:10	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	3	0	0	2367.4
710	7/13/2011	WFGB	70	19:10	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	0	2	0	0	0	0	0	0	118.8
711	7/13/2011	WFGB	70	19:10	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	0	0	0	1	0	0	507
712	7/13/2011	WFGB	70	19:10	First 5mins	spotted goatfish	*Pseudupeneus maculatus*	I	0	0	1	0	0	0	0	0	0	40.22
713	7/13/2011	WFGB	70	19:10	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	1	0	0	0	0	0	0	0	6.81

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
714	7/13/2011	WFGB	70	19:10	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	60	2	2721.6
715	7/13/2011	WFGB	70	19:10	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	2	0	0	0	0	741.51
716	7/13/2011	WFGB	70	19:10	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
717	7/13/2011	WFGB	70	19:10	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	5	0	0	0	0	0	84.67
718	7/14/2011	WFGB	65	8:00	First 5mins	blue chromis	*Chromis cyanea*	PL	10	3	0	0	0	0	0	0	0	47.14
719	7/14/2011	WFGB	65	8:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	1	0	0	0	0	0	0	0	12.89
720	7/14/2011	WFGB	65	8:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	3	0	0	0	0	0	0	0	35.96
721	7/14/2011	WFGB	65	8:00	First 5mins	brown chromis	*Chromis multilineata*	I	30	25	0	0	0	0	0	0	0	381.77
722	7/14/2011	WFGB	65	8:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	2	0	0	0	0	0	0	0	14.36
723	7/14/2011	WFGB	65	8:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	3	0	0	0	0	0	0	0	15.49
724	7/14/2011	WFGB	65	8:00	First 5mins	sunshinefish	*Chromis insolata*	PL	1	0	0	0	0	0	0	0	0	0.41
725	7/14/2011	WFGB	65	8:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	1	0	0	0	0	0	0	59.57
726	7/14/2011	WFGB	65	8:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	3	0	0	0	0	0	0	0	21.13
727	7/14/2011	WFGB	65	8:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	5	0	0	0	0	0	0	0	0	2.18
728	7/14/2011	WFGB	65	8:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	0	8	0	0	0	0	1406.42
729	7/14/2011	WFGB	65	8:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	3	1	0	0	0	0	0	289.48

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
730	7/14/2011	WFGB	65	8:00	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	1	2	0	0	0	0	466.9
731	7/14/2011	WFGB	65	8:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	3	0	0	0	0	0	0	0	31.94
732	7/14/2011	WFGB	65	8:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	50	1	1003.77
733	7/14/2011	WFGB	65	8:00	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	0	0	0	1	0	0	0	428.42
734	7/14/2011	WFGB	65	8:00	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99
735	7/14/2011	WFGB	65	8:00	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	1	3	0	1	0	0	0	0	0	198.06
736	7/14/2011	WFGB	65	8:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	1	0	0	0	0	0	81.83
737	7/14/2011	WFGB	65	8:00	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	1	0	0	585.39
738	7/14/2011	WFGB	70	8:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	2	0	0	0	0	0	326.92
739	7/14/2011	WFGB	70	8:15	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	2	2	0	0	0	0	0	0	79.08
740	7/14/2011	WFGB	70	8:15	First 5mins	goldentail moray	*Gymnothorax miliaris*	I	0	0	0	0	0	0	0	60	1	41.53
741	7/14/2011	WFGB	70	8:15	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
742	7/14/2011	WFGB	70	8:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	0	0	0	0	0	0	0	0	1.64
743	7/14/2011	WFGB	70	8:15	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	1	0	0	0	0	254.26
744	7/14/2011	WFGB	70	8:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	2	0	0	0	0	0	0	58.78
745	7/14/2011	WFGB	70	8:15	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
746	7/14/2011	WFGB	70	8:15	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	4	0	0	0	0	0	0	0	47.95
747	7/14/2011	WFGB	70	8:15	First 5mins	brown chromis	*Chromis multilineata*	I	36	50	0	0	0	0	0	0	0	749.94
748	7/14/2011	WFGB	70	8:15	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
749	7/14/2011	WFGB	70	8:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	65	1	1946.4
750	7/14/2011	WFGB	70	8:15	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	1	0	0	0	0	0	111.07
751	7/14/2011	WFGB	70	8:15	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	2	0	0	0	0	0	0	0	0	0.87
752	7/14/2011	WFGB	70	8:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	1	0	0	0	0	0	0	0	7.32
753	7/14/2011	WFGB	70	8:15	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
754	7/14/2011	WFGB	70	11:40	First 5mins	purple reeffish	*Chromis scotti*	PL	1	0	0	0	0	0	0	0	0	0.31
755	7/14/2011	WFGB	70	11:40	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	8	0	0	0	0	0	0	0	0	2.28
756	7/14/2011	WFGB	70	11:40	First 5mins	brown chromis	*Chromis multilineata*	I	48	121	0	0	0	0	0	0	0	1792.68
757	7/14/2011	WFGB	70	11:40	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	1	0	0	0	0	0	0	0	7.89
758	7/14/2011	WFGB	70	11:40	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	1	403.2
759	7/14/2011	WFGB	70	11:40	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	2	1575
760	7/14/2011	WFGB	70	11:40	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	1	0	0	0	0	0	0	35.09

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
761	7/14/2011	WFGB	70	11:40	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	1	0	0	0	0	0	0	0	11.89
762	7/14/2011	WFGB	70	11:40	First 5mins	threespot damselfish	*Stegastes planifrons*	I	1	5	0	0	0	0	0	0	0	60.45
763	7/14/2011	WFGB	70	11:40	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	1	0	0	0	0	0	0	42.04
764	7/14/2011	WFGB	70	11:40	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	5	1	0	0	0	0	0	0	67.36
765	7/14/2011	WFGB	70	11:40	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	3	0	0	0	0	0	0	88.18
766	7/14/2011	WFGB	70	11:40	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	4	0	0	0	0	0	0	0	49.37
767	7/14/2011	WFGB	70	11:40	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
768	7/14/2011	WFGB	70	11:40	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	1	0	0	0	0	0	0	0	0	0.44
769	7/14/2011	WFGB	70	11:40	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
770	7/14/2011	WFGB	70	11:40	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	1	0	1	0	0	0	0	0	119.74
771	7/14/2011	WFGB	70	11:40	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
772	7/14/2011	WFGB	70	11:40	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	3	0	0	0	0	0	0	0	0	1.47
773	7/14/2011	WFGB	70	11:40	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	1	0	0	0	0	0	0	0	9.13
774	7/14/2011	WFGB	70	11:40	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	1	0	0	0	0	0	0	0	0	0.53
775	7/14/2011	WFGB	70	11:40	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	6	0	0	0	0	0	703.49
776	7/14/2011	WFGB	70	11:40	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	1	0	0	0	0	0	0	0	9.49

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
777	7/14/2011	WFGB	70	11:40	First 5mins	striped parrotfish	*Scarus iseri*	H	2	0	0	0	0	0	0	0	0	0.6
778	7/14/2011	WFGB	70	11:40	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	1	0	0	0	0	0	0	58.4
779	7/14/2011	WFGB	70	11:40	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	1	0	0	0	0	0	0	0	12.87
780	7/14/2011	WFGB	70	11:40	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	6	0	0	0	0	0	0	0	71.92
781	7/14/2011	WFGB	70	11:40	First 5mins	purple reeffish	*Chromis scotti*	PL	4	0	0	0	0	0	0	0	0	1.23
782	7/14/2011	WFGB	70	11:40	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	2	1	0	0	0	771.33
783	7/14/2011	WFGB	70	11:40	First 5mins	brown chromis	*Chromis multilineata*	I	250	110	0	0	0	0	0	0	0	1746.62
784	7/14/2011	WFGB	70	11:40	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63
785	7/14/2011	WFGB	70	11:40	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	0	0	0	0	0	0	0.86
786	7/14/2011	WFGB	70	11:40	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	2	1	0	0	0	0	0	0	45.99
787	7/14/2011	WFGB	70	11:40	First 5mins	creolefish	*Paranthias furcifer*	PL	0	1	1	2	0	0	0	0	0	199.26
788	7/14/2011	WFGB	70	11:40	First 5mins	creole wrasse	*Clepticus parrae*	PL	2	0	0	0	0	0	0	0	0	0.44
789	7/14/2011	WFGB	70	11:40	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	1	787.5
790	7/14/2011	WFGB	70	11:40	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	1	0	0	912.48
791	7/14/2011	WFGB	70	11:40	First 5mins	bluehead	*Thalassoma bifasciatum*	I	25	0	0	0	0	0	0	0	0	4.09
792	7/14/2011	WFGB	70	11:40	First 5mins	blue tang	*Acanthurus coeruleus*	H	2	0	0	0	0	0	0	0	0	0.95
793	7/14/2011	WFGB	70	11:40	First 5mins	slippery dick	*Halichoeres bivittatus*	I	0	1	0	0	0	0	0	0	0	5.37

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
794	7/14/2011	WFGB	70	11:40	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	1	0	0	789.13
795	7/14/2011	WFGB	70	11:40	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
796	7/14/2011	WFGB	70	11:40	First 5mins	spotted moray	*Gymnothorax moringa*	P	0	0	0	0	0	0	0	50	1	231.92
797	7/14/2011	WFGB	70	11:45	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	3	0	0	0	0	0	0	0	20.42
798	7/14/2011	WFGB	70	11:45	First 5mins	bluehead	*Thalassoma bifasciatum*	I	12	4	1	0	0	0	0	0	0	42.26
799	7/14/2011	WFGB	70	11:45	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
800	7/14/2011	WFGB	70	11:45	First 5mins	blue chromis	*Chromis cyanea*	PL	4	1	0	0	0	0	0	0	0	16.07
801	7/14/2011	WFGB	70	11:45	First 5mins	brown chromis	*Chromis multilineata*	I	30	8	0	0	0	0	0	0	0	133.72
802	7/14/2011	WFGB	70	11:45	First 5mins	spotfin hogfish	*Bodianus pulchellus*	I	0	0	1	0	0	0	0	0	0	32.38
803	7/14/2011	WFGB	70	11:45	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
804	7/14/2011	WFGB	70	11:45	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	3	0	0	0	0	0	245.48
805	7/14/2011	WFGB	70	11:45	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
806	7/14/2011	WFGB	70	11:45	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	6	0	0	0	0	0	0	0	77.2
807	7/14/2011	WFGB	70	11:45	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	1	0	0	0	0	0	0	0	5.45
808	7/14/2011	WFGB	70	11:45	First 5mins	threespot damselfish	*Stegastes planifrons*	I	2	4	0	0	0	0	0	0	0	48.98
809	7/14/2011	WFGB	70	11:45	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	3	0	0	0	0	0	0	0	21.4

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
810	7/14/2011	WFGB	70	11:45	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	1	0	0	0	0	0	0	40.43
811	7/14/2011	WFGB	70	11:45	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	3	1	0	0	0	0	0	0	0	11.13
812	7/14/2011	WFGB	70	11:45	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
813	7/14/2011	WFGB	70	11:45	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	1	0	0	0	0	201.61
814	7/14/2011	WFGB	70	11:45	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	1	0	0	0	0	201.61
815	7/14/2011	WFGB	69	11:47	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	2	0	0	0	0	508.51
816	7/14/2011	WFGB	69	11:47	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	1	0	0	607.61
817	7/14/2011	WFGB	69	11:47	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	90	1	4592.7
818	7/14/2011	WFGB	69	11:47	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	85	1	3868.99
819	7/14/2011	WFGB	69	11:47	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	120	1	10886.4
820	7/14/2011	WFGB	69	11:47	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	110	1	8385.3
821	7/14/2011	WFGB	69	11:47	First 5mins	brown chromis	*Chromis multilineata*	I	200	400	0	0	0	0	0	0	0	5949.63
822	7/14/2011	WFGB	69	11:47	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	0	0	0	0	0	0	0	7.28
823	7/14/2011	WFGB	69	11:47	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	5	0	0	0	0	0	0	0	35.18
824	7/14/2011	WFGB	69	11:47	First 5mins	bluehead	*Thalassoma bifasciatum*	I	34	2	0	0	0	0	0	0	0	14.8
825	7/14/2011	WFGB	69	11:47	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	7	0	0	0	0	0	0	0	83.9

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
826	7/14/2011	WFGB	69	11:47	First 5mins	sunshinefish	*Chromis insolata*	PL	2	0	0	0	0	0	0	0	0	0.82
827	7/14/2011	WFGB	69	11:47	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	0	0	1	0	0	0	0	0	111.05
828	7/14/2011	WFGB	69	11:47	First 5mins	blue tang	*Acanthurus coeruleus*	H	2	0	0	0	0	0	0	0	0	0.95
829	7/14/2011	WFGB	69	11:47	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	5	0	0	0	0	0	0	0	0	2.01
830	7/14/2011	WFGB	69	11:47	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	1	1	0	0	0	0	0	0	30.86
831	7/14/2011	WFGB	69	11:47	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
832	7/14/2011	WFGB	69	11:47	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	0	0	0	0	0	0	0	0	0.65
833	7/14/2011	WFGB	69	11:47	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	0	0	2	0	0	0	0	512.58
834	7/14/2011	WFGB	69	11:47	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	0	2	0	0	0	1513.03
835	7/14/2011	WFGB	69	11:47	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	0	0	0	1	0	0	92.8
836	7/14/2011	WFGB	69	11:47	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
837	7/14/2011	WFGB	69	11:47	First 5mins	longspine squirrelfish	*Holocentrus rufus*	I	0	0	0	2	0	0	0	0	0	190.36
838	7/14/2011	WFGB	69	11:47	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	0	0	2	0	0	1076.53
839	7/14/2011	WFGB	70	12:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	4	0	0	0	0	1483.01
840	7/14/2011	WFGB	70	12:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	2	806.4
841	7/14/2011	WFGB	70	12:00	First 5mins	brown chromis	*Chromis multilineata*	I	110	60	0	0	0	0	0	0	0	937.77

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
842	7/14/2011	WFGB	70	12:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	7	0	0	0	0	0	572.79
843	7/14/2011	WFGB	70	12:00	First 5mins	blue chromis	*Chromis cyanea*	PL	0	12	0	0	0	0	0	0	0	166.96
844	7/14/2011	WFGB	70	12:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	5	0	0	0	0	0	0	0	59.93
845	7/14/2011	WFGB	70	12:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
846	7/14/2011	WFGB	70	12:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	0	0	0	0	0	0	0.71
847	7/14/2011	WFGB	70	12:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	4	0	0	0	1472.42
848	7/14/2011	WFGB	70	12:00	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	2	0	0	0	0	0	0	0	25.98
849	7/14/2011	WFGB	70	12:00	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	0	1	0	0	0	0	0	0	44.96
850	7/14/2011	WFGB	70	12:00	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
851	7/14/2011	WFGB	70	12:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	45	0	0	0	0	0	0	0	0	7.37
852	7/14/2011	WFGB	70	12:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	5	0	0	0	2358.65
853	7/14/2011	WFGB	70	12:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	3	0	0	0	0	0	490.38
854	7/14/2011	WFGB	70	12:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
855	7/14/2011	WFGB	70	12:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	0	1	0	0	0	0	175.8
856	7/14/2011	WFGB	70	12:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	1	0	0	0	561.65
857	7/14/2011	WFGB	70	12:00	First 5mins	slippery dick	*Halichoeres bivittatus*	I	0	1	0	0	0	0	0	0	0	5.37

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
858	7/14/2011	WFGB	70	12:00	First 5mins	spotted goatfish	*Pseudupeneus maculatus*	I	0	1	0	0	0	0	0	0	0	8.88
859	7/14/2011	WFGB	69	12:05	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	0	50	3	7002.96
860	7/14/2011	WFGB	69	12:05	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	0	0	0	0	0	0	0	0	3.27
861	7/14/2011	WFGB	69	12:05	First 5mins	threespot damselfish	*Stegastes planifrons*	I	2	3	0	0	0	0	0	0	0	37
862	7/14/2011	WFGB	69	12:05	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	3	0	0	0	0	0	0	0	21.4
863	7/14/2011	WFGB	69	12:05	First 5mins	brown chromis	*Chromis multilineata*	I	2	22	0	0	0	0	0	0	0	322.13
864	7/14/2011	WFGB	69	12:05	First 5mins	blue chromis	*Chromis cyanea*	PL	7	0	0	0	0	0	0	0	0	3.78
865	7/14/2011	WFGB	69	12:05	First 5mins	dusky damselfish	*Stegastes adustus*	H	0	1	0	0	0	0	0	0	0	11.99
866	7/14/2011	WFGB	69	12:05	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	0	0	0	0	0	151.77
867	7/14/2011	WFGB	69	12:05	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	1	0	0	0	0	247.18
868	7/14/2011	WFGB	69	12:05	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	6	0	0	0	0	0	490.96
869	7/14/2011	WFGB	69	12:05	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	1	0	45	1	705.11
870	7/14/2011	WFGB	69	12:05	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
871	7/14/2011	WFGB	69	12:05	First 5mins	chub	*Kyphosus sectator*	H	0	0	1	0	0	0	0	0	0	41.59
872	7/14/2011	WFGB	69	12:05	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
873	7/14/2011	WFGB	69	12:05	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	1	0	0	0	0	0	0	0	11.08

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
874	7/14/2011	WFGB	69	12:05	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	3	0	0	0	0	0	0	0	0	1.59
875	7/14/2011	WFGB	70	12:10	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	2	1	0	0	2035.77
876	7/14/2011	WFGB	70	12:10	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	3	0	0	0	0	0	0	0	27.4
877	7/14/2011	WFGB	70	12:10	First 5mins	queen parrotfish	*Scarus vetula*	H	0	5	0	1	2	1	0	0	0	903.53
878	7/14/2011	WFGB	70	12:10	First 5mins	slippery dick	*Halichoeres bivittatus*	I	1	0	0	0	0	0	0	0	0	0.17
879	7/14/2011	WFGB	70	12:10	First 5mins	bluehead	*Thalassoma bifasciatum*	I	18	1	0	0	0	0	0	0	0	7.57
880	7/14/2011	WFGB	70	12:10	First 5mins	threespot damselfish	*Stegastes planifrons*	I	5	5	0	0	0	0	0	0	0	62.53
881	7/14/2011	WFGB	70	12:10	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63
882	7/14/2011	WFGB	70	12:10	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	2	0	0	0	0	0	234.5
883	7/14/2011	WFGB	70	12:10	First 5mins	dusky damselfish	*Stegastes adustus*	H	1	0	0	0	0	0	0	0	0	0.52
884	7/14/2011	WFGB	70	12:10	First 5mins	rock beauty	*Holacanthus tricolor*	I	1	0	0	0	0	0	0	0	0	0.59
885	7/14/2011	WFGB	70	12:10	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
886	7/14/2011	WFGB	70	12:10	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	3	0	0	0	0	0	0	0	0	0.97
887	7/14/2011	WFGB	70	12:10	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
888	7/14/2011	WFGB	70	12:10	First 5mins	Spanish hogfish	*Bodianus rufus*	I	6	2	0	0	0	0	0	0	0	15.04
889	7/14/2011	WFGB	70	12:10	First 5mins	brown chromis	*Chromis multilineata*	I	31	54	0	0	0	0	0	0	0	805.47

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
890	7/14/2011	WFGB	70	12:10	First 5mins	blue chromis	*Chromis cyanea*	PL	5	2	0	0	0	0	0	0	0	30.53
891	7/14/2011	WFGB	70	12:10	First 5mins	purple reeffish	*Chromis scotti*	PL	7	0	0	0	0	0	0	0	0	2.15
892	7/14/2011	WFGB	70	12:10	First 5mins	creolefish	*Paranthias furcifer*	PL	1	0	3	0	0	0	0	0	0	88.4
893	7/14/2011	WFGB	70	12:10	First 5mins	black durgon	*Melichthys niger*	H	0	0	1	0	0	0	0	0	0	45.9
894	7/14/2011	WFGB	70	12:10	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	2	0	0	0	0	0	0	0	12.42
895	7/14/2011	WFGB	70	12:10	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	1	787.5
896	7/14/2011	WFGB	70	12:10	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	55	1	1048.16
897	7/14/2011	WFGB	70	12:10	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
898	7/14/2011	WFGB	70	12:10	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	2	0	0	0	0	0	0	0	23.79
899	7/14/2011	WFGB	74	12:14	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	0	1	0	0	0	0	177.91
900	7/14/2011	WFGB	74	12:14	First 5mins	purple reeffish	*Chromis scotti*	PL	2	0	0	0	0	0	0	0	0	0.61
901	7/14/2011	WFGB	74	12:14	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	0	2	0	0	0	0	0	0	0	9.34
902	7/14/2011	WFGB	74	12:14	First 5mins	brown chromis	*Chromis multilineata*	I	1400	0	0	0	0	0	0	0	0	793.16
903	7/14/2011	WFGB	74	12:14	First 5mins	sunshinefish	*Chromis insolata*	PL	1	1	0	0	0	0	0	0	0	10.96
904	7/14/2011	WFGB	74	12:14	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	2	0	0	0	0	0	0	0	0	1.06
905	7/14/2011	WFGB	74	12:14	First 5mins	blue chromis	*Chromis cyanea*	PL	9	1	0	0	0	0	0	0	0	18.77

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
906	7/14/2011	WFGB	74	12:14	First 5mins	threespot damselfish	*Stegastes planifrons*	I	2	5	0	0	0	0	0	0	0	60.97
907	7/14/2011	WFGB	74	12:14	First 5mins	creolefish	*Paranthias furcifer*	PL	0	18	2	0	0	0	0	0	0	170.58
908	7/14/2011	WFGB	74	12:14	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	3	0	0	0	0	0	490.38
909	7/14/2011	WFGB	74	12:14	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	0	1	0	0	0	0	0	0	44.24
910	7/14/2011	WFGB	74	12:14	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	90	2	9185.4
911	7/14/2011	WFGB	74	12:14	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	100	2	12600
912	7/14/2011	WFGB	74	12:14	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	110	1	8385.3
913	7/14/2011	WFGB	74	12:14	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	120	1	10886.4
914	7/14/2011	WFGB	74	12:14	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	95	1	5401.46
915	7/14/2011	WFGB	74	12:14	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	130	1	13841.1
916	7/14/2011	WFGB	74	12:14	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	2	0	0	0	0	0	0	0	0	0.81
917	7/14/2011	WFGB	74	12:14	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	0	0	0	0	1	0	0	0	429.06
918	7/14/2011	WFGB	74	12:14	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	1	0	0	0	368.1
919	7/14/2011	WFGB	74	12:14	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	0	0	0	0	0	0	0	0	0.65
920	7/14/2011	WFGB	74	12:14	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99
921	7/14/2011	WFGB	74	12:14	First 5mins	Spanish hogfish	*Bodianus rufus*	I	10	0	0	0	0	0	0	0	0	2.38

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
922	7/14/2011	WFGB	74	12:14	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
923	7/14/2011	WFGB	74	12:14	First 5mins	whitespotted filefish	*Cantherhines macrocerus*	I	0	0	0	0	0	0	1	0	0	575.43
924	7/14/2011	WFGB	65	7:50	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
925	7/14/2011	WFGB	65	7:50	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	4	0	0	0	0	0	0	0	28.15
926	7/14/2011	WFGB	65	7:50	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	0	2	0	0	0	0	0	0	0	19.64
927	7/14/2011	WFGB	65	7:50	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
928	7/14/2011	WFGB	65	7:50	First 5mins	bi-color damselfish	*Stegastes partitus*	H	6	0	0	0	0	0	0	0	0	1.96
929	7/14/2011	WFGB	65	7:50	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
930	7/14/2011	WFGB	65	7:50	First 5mins	brown chromis	*Chromis multilineata*	I	175	100	0	0	0	0	0	0	0	1558.23
931	7/14/2011	WFGB	65	7:50	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	8	0	0	0	0	1406.42
932	7/14/2011	WFGB	65	7:50	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	4	0	0	0	0	806.46
933	7/14/2011	WFGB	65	7:50	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	3	0	0	0	0	1112.26
934	7/14/2011	WFGB	65	7:50	First 5mins	bluehead	*Thalassoma bifasciatum*	I	20	5	0	0	0	0	0	0	0	26.37
935	7/14/2011	WFGB	65	7:50	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	0	40	1	1203.2
936	7/14/2011	WFGB	65	7:50	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	0	1	0	0	0	0	0	0	0	2.59
937	7/14/2011	WFGB	65	7:50	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
938	7/14/2011	WFGB	65	7:50	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	0	0	0	1	0	0	0	428.42
939	7/14/2011	WFGB	65	7:50	First 5mins	slippery dick	*Halichoeres bivittatus*	I	0	2	0	0	0	0	0	0	0	10.73
940	7/14/2011	WFGB	65	7:50	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	2	806.4
941	7/14/2011	WFGB	65	7:50	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	1	0	0	0	0	0	0	0	9.47
942	7/14/2011	WFGB	65	7:50	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	6	0	0	4734.8
943	7/14/2011	WFGB	65	7:50	First 5mins	spotted goatfish	*Pseudupeneus maculatus*	I	0	2	0	0	0	0	0	0	0	17.75
944	7/14/2011	WFGB	65	7:50	First 5mins	spotted trunkfish	*Lactophrys bicaudalis*	I	0	0	1	0	0	0	0	0	0	57.42
945	7/14/2011	WFGB	71	8:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	15	0	0	0	0	0	0	0	0	2.46
946	7/14/2011	WFGB	71	8:15	First 5mins	purple reeffish	*Chromis scotti*	PL	5	0	0	0	0	0	0	0	0	1.53
947	7/14/2011	WFGB	71	8:15	First 5mins	brown chromis	*Chromis multilineata*	I	130	25	0	0	0	0	0	0	0	438.42
948	7/14/2011	WFGB	71	8:15	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	5	0	0	0	0	0	0	0	59.93
949	7/14/2011	WFGB	71	8:15	First 5mins	spotted moray	*Gymnothorax moringa*	P	0	0	0	0	0	0	0	50	1	231.92
950	7/14/2011	WFGB	71	8:15	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	4	0	0	0	0	0	0	229.69
951	7/14/2011	WFGB	71	8:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	0	2	0	0	0	0	0	326.92
952	7/14/2011	WFGB	71	8:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	0	1	0	0	0	0	175.8
953	7/14/2011	WFGB	71	8:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
954	7/14/2011	WFGB	71	8:15	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	0	0	0	0	1	0	0	816.75
955	7/14/2011	WFGB	71	8:15	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	2	0	0	1215.22
956	7/14/2011	WFGB	71	8:15	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	1	0	0	0	0	0	91.15
957	7/14/2011	WFGB	71	8:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63
958	7/14/2011	WFGB	71	8:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	2	1575
959	7/14/2011	WFGB	71	8:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	100	1	6300
960	7/14/2011	WFGB	71	8:15	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	0	1	0	0	0	320.48
961	7/14/2011	WFGB	71	8:15	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
1226	7/24/2012	EFGB	61	9:35	First 5mins	brown chromis	*Chromis multilineata*	I	17	0	0	0	0	0	0	0	0	9.63
1227	7/24/2012	EFGB	61	9:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	3	0	0	0	0	0	0	0	0	0.49
1228	7/24/2012	EFGB	61	9:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	6	0	0	1297.6
1229	7/24/2012	EFGB	61	9:35	First 5mins	queen parrotfish	*Scarus vetula*	H	3	1	0	0	0	0	0	0	0	8.3
1230	7/24/2012	EFGB	61	9:35	First 5mins	sunshinefish	*Chromis insolata*	PL	5	1	0	0	0	0	0	0	0	12.59
1231	7/24/2012	EFGB	61	9:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
1232	7/24/2012	EFGB	61	9:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
1233	7/24/2012	EFGB	61	9:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	1	0	0	0	0	0	0	0	0	0.33

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1234	7/24/2012	EFGB	61	9:35	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	27	0	0	0	0	0	0	0	0	4.7
1235	7/24/2012	EFGB	61	9:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
1236	7/24/2012	EFGB	61	9:35	First 5mins	black jack	*Caranx lugubris*	P	0	0	0	0	0	0	1	0	0	493.65
1237	7/24/2012	EFGB	61	9:35	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	2	0	0	0	0	0	0	63.11
1238	7/24/2012	EFGB	61	9:35	First 5mins	blue chromis	*Chromis cyanea*	PL	1	0	0	0	0	0	0	0	0	0.54
1239	7/24/2012	EFGB	61	9:35	First 5mins	purple reeffish	*Chromis scotti*	PL	1	0	0	0	0	0	0	0	0	0.31
1240	7/24/2012	EFGB	65	9:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	5	0	0	0	655.1
1241	7/24/2012	EFGB	65	9:35	First 5mins	brown chromis	*Chromis multilineata*	I	48	0	0	0	0	0	0	0	0	27.19
1242	7/24/2012	EFGB	65	9:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	0	0	0	0	0	0	0.71
1243	7/24/2012	EFGB	65	9:35	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	5	7	0	0	0	0	0	0	0	34.72
1244	7/24/2012	EFGB	65	9:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	0	0	0	0	0	0	0.86
1245	7/24/2012	EFGB	65	9:35	First 5mins	black durgon	*Melichthys niger*	H	1	0	0	0	0	0	0	0	0	0.15
1246	7/24/2012	EFGB	65	9:35	First 5mins	queen parrotfish	*Scarus vetula*	H	3	1	0	0	0	0	0	0	0	8.3
1247	7/24/2012	EFGB	65	9:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	6	3	0	0	0	0	0	0	0	14.84
1248	7/24/2012	EFGB	65	9:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	1	0	0	0	0	0	0	0	0	0.33
1249	7/24/2012	EFGB	65	9:35	First 5mins	rock beauty	*Holacanthus tricolor*	I	2	1	0	0	0	0	0	0	0	14.74

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1250	7/24/2012	EFGB	65	9:35	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
1251	7/24/2012	EFGB	65	9:35	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
1252	7/24/2012	EFGB	65	9:35	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
1253	7/24/2012	EFGB	77	13:15	First 5mins	brown chromis	*Chromis multilineata*	I	184	0	0	0	0	0	0	0	0	104.24
1254	7/24/2012	EFGB	77	13:15	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	2	45	0	1170.78
1255	7/24/2012	EFGB	77	13:15	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	6	0	0	0	0	0	0	0	56.8
1256	7/24/2012	EFGB	77	13:15	First 5mins	threespot damselfish	*Stegastes planifrons*	I	12	0	0	0	0	0	0	0	0	6.23
1257	7/24/2012	EFGB	77	13:15	First 5mins	Spanish hogfish	*Bodianus rufus*	I	11	0	0	0	0	0	0	0	0	2.62
1258	7/24/2012	EFGB	77	13:15	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	13	0	0	0	0	0	0	0	0	5.66
1259	7/24/2012	EFGB	77	13:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	9	0	0	0	0	0	736.45
1260	7/24/2012	EFGB	77	13:15	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	3	0	0	0	0	0	455.31
1261	7/24/2012	EFGB	77	13:15	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	6	2	0	0	0	0	0	0	0	28.92
1262	7/24/2012	EFGB	77	13:15	First 5mins	graysby	*Cephalopholis cruentata*	P	1	0	0	0	0	0	0	0	0	0.2
1263	7/24/2012	EFGB	77	13:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	27	0	0	0	0	0	0	0	0	4.42
1264	7/24/2012	EFGB	77	13:15	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	37	0	0	0	0	0	0	0	0	10.23

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1265	7/24/2012	EFGB	77	13:15	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	6	0	1	0	0	0	0	0	0	42.17
1266	7/24/2012	EFGB	77	13:15	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1267	7/24/2012	EFGB	77	13:15	First 5mins	queen parrotfish	*Scarus vetula*	H	0	7	0	0	0	1	0	0	0	420.38
1268	7/24/2012	EFGB	77	13:15	First 5mins	blue chromis	*Chromis cyanea*	PL	15	0	0	0	0	0	0	0	0	8.1
1269	7/24/2012	EFGB	77	13:15	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84
1270	7/24/2012	EFGB	77	13:15	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	17	0	0	0	0	4322.35
1271	7/24/2012	EFGB	77	13:15	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	3	0	0	0	0	0	0	0	35.84
1272	7/24/2012	EFGB	77	13:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71
1273	7/24/2012	EFGB	77	13:15	First 5mins	neon goby	*Elacatinus oceanops*	I	3	0	0	0	0	0	0	0	0	0.43
1274	7/24/2012	EFGB	77	13:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	58	0	0	0	0	0	0	0	0	18.96
1275	7/24/2012	EFGB	77	13:15	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	1	0	0	0	0	0	0	58.4
1276	7/24/2012	EFGB	77	13:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	2	55	0	432.53
1277	7/24/2012	EFGB	77	13:15	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
1278	7/24/2012	EFGB	77	13:15	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	4	0	0	0	0	0	0	0	0	2.12
1279	7/24/2012	EFGB	69	13:35	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	46	0	0	0	0	0	0	0	0	20.04
1280	7/24/2012	EFGB	69	13:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	0	1	0	0	0	0	0	0	0	4.62

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1281	7/24/2012	EFGB	69	13:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
1282	7/24/2012	EFGB	69	13:35	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	11	0	0	0	0	0	0	0	104.14
1283	7/24/2012	EFGB	69	13:35	First 5mins	striped parrotfish	*Scarus iseri*	H	6	0	0	0	0	0	0	0	0	1.81
1284	7/24/2012	EFGB	69	13:35	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	15	0	0	0	0	0	0	0	0	2.61
1285	7/24/2012	EFGB	69	13:35	First 5mins	neon goby	*Elacatinus oceanops*	I	7	0	0	0	0	0	0	0	0	0.99
1286	7/24/2012	EFGB	69	13:35	First 5mins	brown chromis	*Chromis multilineata*	I	112	0	0	0	0	0	0	0	0	63.45
1287	7/24/2012	EFGB	69	13:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	1	0	0	2	4	55	0	1139.41
1288	7/24/2012	EFGB	69	13:35	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	5	0	0	2	0	0	0	0	0	222.42
1289	7/24/2012	EFGB	69	13:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	11	0	0	0	0	0	0	0	0	5.71
1290	7/24/2012	EFGB	69	13:35	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	4	0	1	0	0	0	0	354.83
1291	7/24/2012	EFGB	69	13:35	First 5mins	graysby	*Cephalopholis cruentata*	P	0	2	0	0	0	0	0	0	0	12.04
1292	7/24/2012	EFGB	69	13:35	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	0	12	0	0	0	0	0	1331.27
1293	7/24/2012	EFGB	69	13:35	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	7	0	0	0	0	0	1062.39
1294	7/24/2012	EFGB	69	13:35	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
1295	7/24/2012	EFGB	69	13:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	1	0	0	0	0	0	0	0	0	0.33

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1296	7/24/2012	EFGB	69	13:35	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	2	1	0	0	1	0	0	0	0	327.49
1297	7/24/2012	EFGB	69	13:35	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	1	0	0	0	0	0	0	0	11.89
1298	7/24/2012	EFGB	69	13:35	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	2	0	0	0	0	0	0	0	0	0.57
1299	7/24/2012	EFGB	69	13:35	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	21	1	0	0	0	0	0	0	0	7.08
1300	7/24/2012	EFGB	69	13:35	First 5mins	purple reeffish	*Chromis scotti*	PL	21	0	0	0	0	0	0	0	0	6.44
1301	7/24/2012	EFGB	69	13:35	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1302	7/24/2012	EFGB	75	14:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	1	0	0	0	0	0	0	45.9
1303	7/24/2012	EFGB	75	14:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	0	0	0	0	0	0	0	0	1.63
1304	7/24/2012	EFGB	75	14:00	First 5mins	brown chromis	*Chromis multilineata*	I	61	0	0	0	0	0	0	0	0	34.56
1305	7/24/2012	EFGB	75	14:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	2	0	0	0	0	0	0	0	0	0.33
1306	7/24/2012	EFGB	75	14:00	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	0	0	0	0	0	0	0	6.02
1307	7/24/2012	EFGB	75	14:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
1308	7/24/2012	EFGB	75	14:00	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	9	2	0	0	0	0	0	0	0	11.24
1309	7/24/2012	EFGB	75	14:00	First 5mins	blue chromis	*Chromis cyanea*	PL	2	0	0	0	0	0	0	0	0	1.08
1310	7/24/2012	EFGB	75	14:00	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	1	0	0	0	0	0	0	0	9.49

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1311	7/24/2012	EFGB	75	14:00	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
1312	7/24/2012	EFGB	75	14:00	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
1313	7/24/2012	EFGB	75	14:00	First 5mins	rock beauty	*Holacanthus tricolor*	I	2	0	0	0	0	0	0	0	0	1.17
1314	7/24/2012	EFGB	75	14:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	0	0	0	0	0	0	0	0	0.29
1315	7/24/2012	EFGB	75	14:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	3	0	0	0	0	0	0	36.91
1316	7/24/2012	EFGB	75	14:00	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
1317	7/24/2012	EFGB	75	14:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	1	1	0	0	0	0	0	0	0	12.51
1318	7/24/2012	EFGB	75	14:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
1319	7/24/2012	EFGB	75	14:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	0	0	0	0	0	0	0	7.47
1320	7/24/2012	EFGB	75	14:00	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	2	0	0	0	0	0	0	0	0	0.17
1321	7/24/2012	EFGB	65	14:30	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	6	0	0	0	0	0	492.9
1322	7/24/2012	EFGB	65	14:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	2	0	0	0	0	0	0	83.19
1323	7/24/2012	EFGB	65	14:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	4	0	2	0	0	50	1	980.24
1324	7/24/2012	EFGB	65	14:30	First 5mins	brown chromis	*Chromis multilineata*	I	33	16	0	0	0	0	0	0	0	252.15
1325	7/24/2012	EFGB	65	14:30	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
1326	7/24/2012	EFGB	65	14:30	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	1	0	0	0	0	0	0	0	13.56

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1327	7/24/2012	EFGB	65	14:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	2	0	0	0	0	0	0	0	14.33
1328	7/24/2012	EFGB	65	14:30	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	16	0	0	0	0	0	0	0	0	2.79
1329	7/24/2012	EFGB	65	14:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	0	2	0	0	0	0	0	0	0	9.24
1330	7/24/2012	EFGB	65	14:30	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
1331	7/24/2012	EFGB	65	14:30	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62
1332	7/24/2012	EFGB	65	14:30	First 5mins	queen parrotfish	*Scarus vetula*	H	2	1	0	0	0	0	0	0	0	8.02
1333	7/24/2012	EFGB	65	14:30	First 5mins	black durgon	*Melichthys niger*	H	0	0	6	0	0	0	0	0	0	275.42
1334	7/24/2012	EFGB	65	14:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	4	0	0	0	0	0	0	0	0	1.31
1335	7/24/2012	EFGB	65	14:30	First 5mins	graysby	*Cephalopholis cruentata*	P	0	2	0	0	0	0	0	0	0	12.04
1336	7/24/2012	EFGB	65	14:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	2	0	0	0	0	0	0	0	14.07
1337	7/24/2012	EFGB	65	14:30	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	1	0	0	0	0	0	0	42.38
1338	7/24/2012	EFGB	76	15:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	27	8	0	0	0	0	0	0	0	55.61
1339	7/24/2012	EFGB	76	15:00	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	2	2	0	0	0	0	0	0	106.88
1340	7/24/2012	EFGB	76	15:00	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	7	2	7	1	0	0	0	0	0	411.68
1341	7/24/2012	EFGB	76	15:00	First 5mins	blue chromis	*Chromis cyanea*	PL	6	0	0	0	0	0	0	0	0	3.24
1342	7/24/2012	EFGB	76	15:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	48	2	0	0	0	0	0	0	0	17.09

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1343	7/24/2012	EFGB	76	15:00	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	1	0	0	0	0	0	0	0	11.95
1344	7/24/2012	EFGB	76	15:00	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	0	2	0	0	0	0	0	0	0	9.55
1345	7/24/2012	EFGB	76	15:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	4	0	0	0	0	0	607.08
1346	7/24/2012	EFGB	76	15:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	25	0	0	0	0	0	0	0	0	8.17
1347	7/24/2012	EFGB	76	15:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	0	0	0	1	0	0	0	375.57
1348	7/24/2012	EFGB	76	15:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	3	2	0	0	0	0	0	0	85.89
1349	7/24/2012	EFGB	76	15:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	7	1	0	0	0	0	0	0	0	15.62
1350	7/24/2012	EFGB	76	15:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	5	0	0	0	0	0	0	0	0	1.43
1351	7/24/2012	EFGB	76	15:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	3	0	0	0	0	0	1	0	0	914.07
1352	7/24/2012	EFGB	76	15:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	3	0	0	0	0	0	0	0	0	1.31
1353	7/24/2012	EFGB	76	15:00	First 5mins	brown chromis	*Chromis multilineata*	I	55	2	0	0	0	0	0	0	0	60.34
1354	7/24/2012	EFGB	76	15:00	First 5mins	coney	*Cephalopholis fulva*	I	0	0	1	1	0	0	0	0	0	127.24
1355	7/24/2012	EFGB	76	15:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	55	2	2096.33
1356	7/24/2012	EFGB	76	15:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	45	2	1148.18
1357	7/24/2012	EFGB	76	15:00	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	1	0	0	0	0	0	0	0	9.13
1358	7/24/2012	EFGB	76	15:00	First 5mins	dusky damselfish	*Stegastes adustus*	H	2	1	0	0	0	0	0	0	0	13.03

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1359	7/24/2012	EFGB	76	15:00	First 5mins	bar jack	*Carangoides ruber*	P	0	0	7	0	0	0	0	0	0	47.02
1360	7/24/2012	EFGB	76	15:00	First 5mins	neon goby	*Elacatinus oceanops*	I	7	0	0	0	0	0	0	0	0	0.99
1361	7/24/2012	EFGB	76	15:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	4	0	0	0	0	0	0	117.57
1362	7/24/2012	EFGB	76	15:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	1	0	0	0	0	0	0	0	12.34
1363	7/24/2012	EFGB	76	15:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	1	3	0	0	0	0	0	0	191.58
1364	7/24/2012	EFGB	69	15:15	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	1	0	0	1	0	0	608.57
1365	7/24/2012	EFGB	69	15:15	First 5mins	brown chromis	*Chromis multilineata*	I	50	50	0	0	0	0	0	0	0	757.87
1366	7/24/2012	EFGB	69	15:15	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	2	0	0	0	0	0	0	0	0	0.81
1367	7/24/2012	EFGB	69	15:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	4	0	0	0	0	0	0	238.28
1368	7/24/2012	EFGB	69	15:15	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	0	40	1	1667.96
1369	7/24/2012	EFGB	69	15:15	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	7	0	0	0	0	0	572.79
1370	7/24/2012	EFGB	69	15:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	0	2	0	0	0	0	0	0	0	20.86
1371	7/24/2012	EFGB	69	15:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	4	0	0	0	0	0	0	0	20.11
1372	7/24/2012	EFGB	69	15:15	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	3	0	0	0	0	0	0	0	0	0.86
1373	7/24/2012	EFGB	69	15:15	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	13	0	0	0	6132.5

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1374	7/24/2012	EFGB	69	15:15	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	2	0	0	0	0	0	0	0	25.98
1375	7/24/2012	EFGB	69	15:15	First 5mins	purple reeffish	*Chromis scotti*	PL	4	0	0	0	0	0	0	0	0	1.23
1376	7/24/2012	EFGB	69	15:15	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	4	0	0	0	0	0	327.31
1377	7/24/2012	EFGB	69	15:15	First 5mins	blue chromis	*Chromis cyanea*	PL	8	0	0	0	0	0	0	0	0	4.32
1378	7/24/2012	EFGB	69	15:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	1	0	0	0	0	0	0	0	7.04
1379	7/24/2012	EFGB	69	15:15	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	1	0	0	0	0	370.75
1380	7/24/2012	EFGB	69	15:15	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	1	0	0	0	0	201.61
1381	7/24/2012	EFGB	76	15:28	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	7	0	0	0	0	0	0	0	49.26
1382	7/24/2012	EFGB	76	15:28	First 5mins	bluehead	*Thalassoma bifasciatum*	I	49	0	0	0	0	0	0	0	0	8.02
1383	7/24/2012	EFGB	76	15:28	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	1	0	0	0	0	0	0	0	11.89
1384	7/24/2012	EFGB	76	15:28	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	3	0	0	0	0	0	0	0	0	1.31
1385	7/24/2012	EFGB	76	15:28	First 5mins	creole wrasse	*Clepticus parrae*	PL	21	3	3	0	0	0	0	0	0	111.42
1386	7/24/2012	EFGB	76	15:28	First 5mins	brown chromis	*Chromis multilineata*	I	174	20	0	0	0	0	0	0	0	390.39
1387	7/24/2012	EFGB	76	15:28	First 5mins	queen parrotfish	*Scarus vetula*	H	2	6	0	1	0	0	1	0	0	747.83
1388	7/24/2012	EFGB	76	15:28	First 5mins	dusky damselfish	*Stegastes adustus*	H	2	0	0	0	0	0	0	0	0	1.04
1389	7/24/2012	EFGB	76	15:28	First 5mins	blue chromis	*Chromis cyanea*	PL	2	1	0	0	0	0	0	0	0	14.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1390	7/24/2012	EFGB	76	15:28	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	2	0	0	0	0	0	0	0	18.27
1391	7/24/2012	EFGB	76	15:28	First 5mins	bi-color damselfish	*Stegastes partitus*	H	19	0	0	0	0	0	0	0	0	6.21
1392	7/24/2012	EFGB	76	15:28	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	1	0	0	0	0	0	2	0	0	1825.49
1393	7/24/2012	EFGB	76	15:28	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	6	2	1	0	0	0	0	0	244.3
1394	7/24/2012	EFGB	76	15:28	First 5mins	creolefish	*Paranthias furcifer*	PL	0	3	17	0	0	0	0	0	0	518.3
1395	7/24/2012	EFGB	76	15:28	First 5mins	threespot damselfish	*Stegastes planifrons*	I	6	0	0	0	0	0	0	0	0	3.12
1396	7/24/2012	EFGB	76	15:28	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54
1397	7/24/2012	EFGB	76	15:28	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	2	0	0	0	0	0	234.5
1398	7/24/2012	EFGB	76	15:28	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1399	7/24/2012	EFGB	76	15:28	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
1400	7/24/2012	EFGB	76	15:28	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	1	2	0	0	0	0	0	0	0	9.45
1401	7/24/2012	EFGB	76	15:28	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	2	1	0	0	0	0	0	0	45.99
1402	7/24/2012	EFGB	76	15:28	First 5mins	doctorfish	*Acanthurus chirurgus*	H	3	3	0	0	0	0	0	0	0	29.53
1403	7/24/2012	EFGB	76	15:28	First 5mins	bar jack	*Carangoides ruber*	P	0	1	0	0	0	0	0	0	0	1.65
1404	7/24/2012	EFGB	76	15:28	First 5mins	purple reeffish	*Chromis scotti*	PL	4	0	0	0	0	0	0	0	0	1.23
1405	7/24/2012	EFGB	76	15:28	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	60	2	2721.6
1406	7/24/2012	EFGB	76	15:28	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	45	3	1722.26

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1407	7/24/2012	EFGB	76	15:28	First 5mins	goldspot goby	*Gnatholepis thompsoni*	H	1	0	0	0	0	0	0	0	0	0.11
1408	7/24/2012	EFGB	69	15:40	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	0	0	0	0	0	0	70	1	5368.26
1409	7/24/2012	EFGB	69	15:40	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	1	0	1	0	0	0	0	84.07
1410	7/24/2012	EFGB	69	15:40	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	1	0	0	0	0	0	0	0	7.04
1411	7/24/2012	EFGB	69	15:40	First 5mins	brown chromis	*Chromis multilineata*	I	36	40	0	0	0	0	0	0	0	604.03
1412	7/24/2012	EFGB	69	15:40	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	7	0	0	0	0	0	0	205.74
1413	7/24/2012	EFGB	69	15:40	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	2	0	0	0	0	0	0	0	18.27
1414	7/24/2012	EFGB	69	15:40	First 5mins	bi-color damselfish	*Stegastes partitus*	H	10	5	0	0	0	0	0	0	0	55.42
1415	7/24/2012	EFGB	69	15:40	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
1416	7/24/2012	EFGB	69	15:40	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	0	3	0	0	0	0	0	0	76.72
1417	7/24/2012	EFGB	69	15:40	First 5mins	bluehead	*Thalassoma bifasciatum*	I	6	7	0	0	0	0	0	0	0	33.31
1418	7/24/2012	EFGB	69	15:40	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	0	45	1	1707.11
1419	7/24/2012	EFGB	69	15:40	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	0	0	0	40	1	1132.8
1420	7/24/2012	EFGB	69	15:40	First 5mins	coney	*Cephalopholis fulva*	I	0	0	0	0	1	0	0	0	0	198.2
1421	7/24/2012	EFGB	69	15:40	First 5mins	purple reeffish	*Chromis scotti*	PL	1	0	0	0	0	0	0	0	0	0.31
1422	7/24/2012	EFGB	69	15:40	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	1	0	0	0	0	0	0	40.43

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1423	7/24/2012	EFGB	69	15:40	First 5mins	blue chromis	*Chromis cyanea*	PL	10	0	0	0	0	0	0	0	0	5.4
1424	7/24/2012	EFGB	68	17:10	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	1	1	0	0	0	0	0	164.53
1425	7/24/2012	EFGB	68	17:10	First 5mins	queen parrotfish	*Scarus vetula*	H	5	0	2	1	0	0	0	0	0	165.38
1426	7/24/2012	EFGB	68	17:10	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	0	2	0	0	0	0	0	0	64.75
1427	7/24/2012	EFGB	68	17:10	First 5mins	threespot damselfish	*Stegastes planifrons*	I	2	0	0	0	0	0	0	0	0	1.04
1428	7/24/2012	EFGB	68	17:10	First 5mins	bluehead	*Thalassoma bifasciatum*	I	12	5	0	0	0	0	0	0	0	25.06
1429	7/24/2012	EFGB	68	17:10	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
1430	7/24/2012	EFGB	68	17:10	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	0	2	4	0	0	0	0	866.86
1431	7/24/2012	EFGB	68	17:10	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	1	2	0	0	0	0	433.43
1432	7/24/2012	EFGB	68	17:10	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	55	1	1048.16
1433	7/24/2012	EFGB	68	17:10	First 5mins	chub	*Kyphosus sectator*	H	0	0	20	0	0	0	0	0	0	831.88
1434	7/24/2012	EFGB	68	17:10	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	3	0	0	0	0	0	0	0	21.11
1435	7/24/2012	EFGB	68	17:10	First 5mins	brown chromis	*Chromis multilineata*	I	85	45	0	0	0	0	0	0	0	704.74
1436	7/24/2012	EFGB	68	17:10	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	2	0	0	0	0	0	0	0	0	0.57
1437	7/24/2012	EFGB	68	17:10	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	1	1	0	0	0	0	0	0	49.57
1438	7/24/2012	EFGB	68	17:10	First 5mins	blue chromis	*Chromis cyanea*	PL	2	3	0	0	0	0	0	0	0	42.82

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1439	7/24/2012	EFGB	68	17:10	First 5mins	bar jack	*Carangoides ruber*	P	0	0	25	0	0	0	0	0	0	167.94
1440	7/24/2012	EFGB	68	17:10	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	4	0	0	0	0	0	0	0	0	1.11
1441	7/24/2012	EFGB	68	17:10	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	1	0	0	0	0	0	0	0	12.87
1442	7/24/2012	EFGB	68	17:10	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
1443	7/24/2012	EFGB	68	17:10	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	0	0	0	0	0	0	0	0	1.74
1444	7/24/2012	EFGB	68	17:10	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	3	0	0	1948.2
1445	7/24/2012	EFGB	68	17:10	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
1446	7/24/2012	EFGB	64	17:50	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	5	0	0	0	0	0	0	146.96
1447	7/24/2012	EFGB	64	17:50	First 5mins	threespot damselfish	*Stegastes planifrons*	I	3	4	0	0	0	0	0	0	0	49.5
1448	7/24/2012	EFGB	64	17:50	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	5	0	0	0	0	0	0	146.96
1449	7/24/2012	EFGB	64	17:50	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	2	0	0	0	0	0	0	0	0	0.87
1450	7/24/2012	EFGB	64	17:50	First 5mins	dusky damselfish	*Stegastes adustus*	H	0	1	0	0	0	0	0	0	0	11.99
1451	7/24/2012	EFGB	64	17:50	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	0	2	0	0	0	0	0	241.17
1452	7/24/2012	EFGB	64	17:50	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	1	0	0	0	0	0	0	40	1	1668.49
1453	7/24/2012	EFGB	64	17:50	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	3	0	0	0	0	0	0	111.18
1454	7/24/2012	EFGB	64	17:50	First 5mins	bi-color damselfish	*Stegastes partitus*	H	6	0	0	0	0	0	0	0	0	1.96
1455	7/24/2012	EFGB	64	17:50	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	0	1	0	0	0	0	0	0	44.24

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1456	7/24/2012	EFGB	64	17:50	First 5mins	bluehead	*Thalassoma bifasciatum*	I	18	3	0	0	0	0	0	0	0	16.8
1457	7/24/2012	EFGB	64	17:50	First 5mins	brown chromis	*Chromis multilineata*	I	75	250	0	0	0	0	0	0	0	3690.19
1458	7/24/2012	EFGB	64	17:50	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	4	0	0	0	0	0	607.08
1459	7/24/2012	EFGB	64	17:50	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	0	2	0	0	0	0	0	0	0	14.07
1460	7/24/2012	EFGB	64	17:50	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	2	0	0	0	0	0	0	0	13.85
1461	7/24/2012	EFGB	64	17:50	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	1	0	0	0	0	0	0	40.23
1462	7/24/2012	EFGB	64	17:50	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	3	0	0	0	0	0	0	0	37.02
1463	7/24/2012	EFGB	64	17:50	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	6	0	0	0	0	1525.54
1464	7/24/2012	EFGB	64	17:50	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	1	0	0	0	0	0	0	34.57
1465	7/24/2012	EFGB	64	17:50	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84
1466	7/24/2012	EFGB	64	17:50	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
1467	7/24/2012	EFGB	64	17:50	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	2	0	0	0	0	0	0	0	25.98
1468	7/24/2012	EFGB	65	19:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	20	0	0	0	0	0	0	587.84
1469	7/24/2012	EFGB	65	19:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	8	0	0	1730.14
1470	7/24/2012	EFGB	65	19:35	First 5mins	brown chromis	*Chromis multilineata*	I	7	9	0	0	0	0	0	0	0	135.28

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1471	7/24/2012	EFGB	65	19:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	4	0	0	0	0	0	0	0	51.47
1472	7/24/2012	EFGB	65	19:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	4	0	0	0	0	0	0	0	42.7
1473	7/24/2012	EFGB	65	19:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	2	3	0	0	0	0	0	0	100.6
1474	7/24/2012	EFGB	65	19:35	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	1	0	0	40	1	1334.41
1475	7/24/2012	EFGB	65	19:35	First 5mins	bar jack	*Carangoides ruber*	P	0	0	18	8	1	0	15	0	0	1682.25
1476	7/24/2012	EFGB	65	19:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	1	0	0	0	0	0	0	0	7.61
1477	7/24/2012	EFGB	65	19:35	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	1	0	0	0	561.65
1478	7/24/2012	EFGB	65	19:35	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	1	0	0	0	0	201.61
1479	7/24/2012	EFGB	65	19:35	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	1	1	0	0	0	0	0	0	0	12.3
1480	7/24/2012	EFGB	65	19:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	2	0	0	0	0	0	0	0	14.09
1481	7/24/2012	EFGB	65	19:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	11	8	0	0	0	0	0	0	0	38.75
1482	7/24/2012	EFGB	65	19:35	First 5mins	neon goby	*Elacatinus oceanops*	I	7	0	0	0	0	0	0	0	0	0.99
1483	7/24/2012	EFGB	65	19:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	1	0	0	0	0	0	117.25
1484	7/24/2012	EFGB	65	19:35	First 5mins	dusky damselfish	*Stegastes adustus*	H	2	0	0	0	0	0	0	0	0	1.04
1485	7/24/2012	EFGB	65	19:35	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	0	1	0	0	0	0	0	0	0	5.45
1486	7/24/2012	EFGB	65	19:35	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	15	0	0	0	0	0	0	0	0	6.53

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1487	7/24/2012	EFGB	65	19:35	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	1	0	0	0	0	0	111.07
1488	7/24/2012	EFGB	63	19:39	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	30	27	0	0	0	0	0	3091.1
1489	7/24/2012	EFGB	63	19:39	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	0	1	0	0	744.92
1490	7/24/2012	EFGB	63	19:39	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	2	0	0	0	0	0	0	69.14
1491	7/24/2012	EFGB	63	19:39	First 5mins	bar jack	*Carangoides ruber*	P	0	55	0	0	0	0	0	0	0	90.77
1492	7/24/2012	EFGB	63	19:39	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	0	2	4	0	0	0	0	0	386.09
1493	7/24/2012	EFGB	63	19:39	First 5mins	brown chromis	*Chromis multilineata*	I	25	40	0	0	0	0	0	0	0	597.8
1494	7/24/2012	EFGB	63	19:39	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	1	0	0	0	0	254.26
1495	7/24/2012	EFGB	63	19:39	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	0	1	0	0	1	0	0	0	348.08
1496	7/24/2012	EFGB	63	19:39	First 5mins	bluehead	*Thalassoma bifasciatum*	I	30	14	0	0	0	0	0	0	0	69.57
1497	7/24/2012	EFGB	63	19:39	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	6	0	0	0	0	0	0	357.42
1498	7/24/2012	EFGB	63	19:39	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	15	3	0	0	0	0	0	0	0	36
1499	7/24/2012	EFGB	63	19:39	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	12	9450
1500	7/24/2012	EFGB	63	19:39	First 5mins	blue chromis	*Chromis cyanea*	PL	6	0	0	0	0	0	0	0	0	3.24
1501	7/24/2012	EFGB	63	19:39	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	2	0	0	0	0	741.51
1502	7/24/2012	EFGB	63	19:39	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	3	0	0	0	0	0	0	0	20.42

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1503	7/24/2012	EFGB	63	19:39	First 5mins	bi-color damselfish	*Stegastes partitus*	H	10	0	0	0	0	0	0	0	0	3.27
1504	7/24/2012	EFGB	63	19:39	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	0	0	1	0	0	0	0	281.16
1505	7/24/2012	EFGB	63	19:39	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	1	0	0	0	0	0	0	0	8.69
1506	7/24/2012	EFGB	63	19:39	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	2	0	1	0	0	1539.56
1507	7/24/2012	EFGB	63	19:39	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	0	1	0	0	0	0	0	0	60.35
1508	7/24/2012	EFGB	59	19:40	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	2	0	0	0	0	0	0	0	26.07
1509	7/24/2012	EFGB	59	19:40	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	3	1	0	0	2597.42
1510	7/24/2012	EFGB	59	19:40	First 5mins	brown chromis	*Chromis multilineata*	I	67	10	0	0	0	0	0	0	0	183.87
1511	7/24/2012	EFGB	59	19:40	First 5mins	creolefish	*Paranthias furcifer*	PL	1	24	0	0	0	0	0	0	0	149.28
1512	7/24/2012	EFGB	59	19:40	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	1	0	0	0	0	0	0	98.17
1513	7/24/2012	EFGB	59	19:40	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	1	2	1	0	0	0	866.19
1514	7/24/2012	EFGB	59	19:40	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	1	0	0	0	0	247.18
1515	7/24/2012	EFGB	59	19:40	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	2	0	0	0	0	0	0	0	18.98
1516	7/24/2012	EFGB	59	19:40	First 5mins	creole wrasse	*Clepticus parrae*	PL	11	6	6	0	0	0	0	0	0	216.03
1517	7/24/2012	EFGB	59	19:40	First 5mins	bi-color damselfish	*Stegastes partitus*	H	12	0	0	0	0	0	0	0	0	3.92
1518	7/24/2012	EFGB	59	19:40	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	3	0	0	0	0	0	0	0	0	1.31
1519	7/24/2012	EFGB	59	19:40	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	40	12	4838.4

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1520	7/24/2012	EFGB	59	19:40	First 5mins	bluehead	*Thalassoma bifasciatum*	I	29	1	0	0	0	0	0	0	0	9.37
1521	7/24/2012	EFGB	59	19:40	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
1522	7/24/2012	EFGB	59	19:40	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	7	0	0	0	0	0	0	0	0	2
1523	7/24/2012	EFGB	59	19:40	First 5mins	threespot damselfish	*Stegastes planifrons*	I	3	0	0	0	0	0	0	0	0	1.56
1524	7/24/2012	EFGB	59	19:40	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
1525	7/24/2012	EFGB	59	19:40	First 5mins	bar jack	*Carangoides ruber*	P	0	42	0	0	0	0	0	0	0	69.32
1526	7/24/2012	EFGB	59	19:40	First 5mins	pudding wife	*Halichoeres radiatus*	I	0	1	0	0	0	0	0	0	0	5.97
1527	7/24/2012	EFGB	59	19:40	First 5mins	blue angelfish	*Holacanthus bermudensis*	I	0	0	1	0	0	0	0	0	0	48.28
1528	7/24/2012	EFGB	59	19:40	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	1	0	0	0	0	177.65
1529	7/24/2012	EFGB	59	19:40	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1530	7/24/2012	EFGB	59	19:40	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
1531	7/24/2012	EFGB	65	19:55	First 5mins	bar jack	*Carangoides ruber*	P	0	0	100	0	0	0	0	0	0	671.77
1532	7/24/2012	EFGB	65	19:55	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	1	0	0	0	0	0	0	58.4
1533	7/24/2012	EFGB	65	19:55	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	5	0	0	0	0	0	0	146.96
1534	7/24/2012	EFGB	65	19:55	First 5mins	brown chromis	*Chromis multilineata*	I	5	27	0	0	0	0	0	0	0	396.78

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1535	7/24/2012	EFGB	65	19:55	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	1	1	0	0	0	0	0	0	42.04
1536	7/24/2012	EFGB	65	19:55	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62
1537	7/24/2012	EFGB	65	19:55	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	1	0	0	1	0	0	702.47
1538	7/24/2012	EFGB	65	19:55	First 5mins	blue tang	*Acanthurus coeruleus*	H	2	2	0	0	0	0	0	0	0	26.69
1539	7/24/2012	EFGB	65	19:55	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	1	2	1	0	0	0	0	0	0	81.61
1540	7/24/2012	EFGB	65	19:55	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	1	1	1	0	0	1	0	0	1133.31
1541	7/24/2012	EFGB	65	19:55	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1542	7/24/2012	EFGB	65	19:55	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	1	0	0	0	0	0	0	0	9.49
1543	7/24/2012	EFGB	65	19:55	First 5mins	creole wrasse	*Clepticus parrae*	PL	50	1	4	0	0	0	0	0	0	134.75
1544	7/24/2012	EFGB	65	19:55	First 5mins	dusky damselfish	*Stegastes adustus*	H	2	0	0	0	0	0	0	0	0	1.04
1545	7/24/2012	EFGB	65	19:55	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	2	0	0	0	0	0	0	0	10.87
1546	7/24/2012	EFGB	65	19:55	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	13	50	1	3598.97
1547	7/24/2012	EFGB	65	19:55	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	1	0	0	0	0	0	117.25
1548	7/24/2012	EFGB	65	19:55	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
1549	7/24/2012	EFGB	65	19:55	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
1550	7/24/2012	EFGB	65	19:55	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	1	0	40	1	2229.61

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1551	7/24/2012	EFGB	65	19:55	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	0	0	0	0	0	0	0	0	0.65
1552	7/24/2012	EFGB	65	19:55	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	0	0	0	0	0	0	0	0	1.74
1553	7/24/2012	EFGB	60	20:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	14	0	0	0	0	0	0	0	0	4.58
1554	7/24/2012	EFGB	60	20:00	First 5mins	brown chromis	*Chromis multilineata*	I	85	5	0	0	0	0	0	0	0	121.11
1555	7/24/2012	EFGB	60	20:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	23	0	0	0	0	0	0	0	0	3.77
1556	7/24/2012	EFGB	60	20:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	1	1	0	0	1474.13
1557	7/24/2012	EFGB	60	20:00	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	1	0	0	0	0	0	0	35.09
1558	7/24/2012	EFGB	60	20:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	4	1	0	0	0	0	0	0	0	14.06
1559	7/24/2012	EFGB	60	20:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	45	0	0	0	0	0	0	1322.65
1560	7/24/2012	EFGB	60	20:00	First 5mins	bar jack	*Carangoides ruber*	P	0	3	0	0	4	0	0	0	0	140.09
1561	7/24/2012	EFGB	60	20:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	3	6	0	0	0	0	0	0	194.99
1562	7/24/2012	EFGB	60	20:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	7	0	0	0	0	0	0	455.59
1563	7/24/2012	EFGB	60	20:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	4	0	0	0	2	1	0	0	1373.69
1564	7/24/2012	EFGB	60	20:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
1565	7/24/2012	EFGB	60	20:00	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	2	1	0	0	0	0	0	190.87
1566	7/24/2012	EFGB	60	20:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	5	1	0	0	0	0	0	0	66.41

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1567	7/24/2012	EFGB	60	20:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	1	0	0	0	0	0	0	0	12.34
1568	7/24/2012	EFGB	60	20:00	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
1569	7/24/2012	EFGB	60	20:00	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	1	0	0	0	0	0	0	0	6.45
1570	7/24/2012	EFGB	60	20:00	First 5mins	blue chromis	*Chromis cyanea*	PL	0	2	0	0	0	0	0	0	0	27.83
1571	7/24/2012	EFGB	60	20:00	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
1572	7/24/2012	EFGB	60	20:00	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	0	45	1	1707.11
1573	7/24/2012	EFGB	60	20:00	First 5mins	longspine squirrelfish	*Holocentrus rufus*	I	0	0	1	0	0	0	0	0	0	34
1574	7/24/2012	EFGB	60	20:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	1	0	0	0	0	0	0	0	0	0.44
1575	7/24/2012	EFGB	60	20:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54
1576	7/24/2012	EFGB	61	20:00	First 5mins	brown chromis	*Chromis multilineata*	I	50	0	0	0	0	0	0	0	0	28.33
1577	7/24/2012	EFGB	61	20:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	50	100	0	0	0	0	0	0	3249.75
1578	7/24/2012	EFGB	61	20:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	4	0	0	0	0	0	0	0	49.37
1579	7/24/2012	EFGB	61	20:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	0	0	0	0	0	0	0	14.93
1580	7/24/2012	EFGB	61	20:00	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	1	0	0	0	0	0	0	0	9.49
1581	7/24/2012	EFGB	61	20:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	6	0	0	0	0	0	0	0	77.2

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1582	7/24/2012	EFGB	61	20:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	30	23625
1583	7/24/2012	EFGB	61	20:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	10	6	0	0	0	0	0	0	238.46
1584	7/24/2012	EFGB	61	20:00	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	0	1	0	0	0	0	370.75
1585	7/24/2012	EFGB	61	20:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	10	5	0	0	0	0	0	0	0	55.42
1586	7/24/2012	EFGB	61	20:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	5	12	0	0	0	0	0	0	0	120.05
1587	7/24/2012	EFGB	61	20:00	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	0	5	0	0	0	0	0	0	149.41
1588	7/24/2012	EFGB	61	20:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	0	2	0	0	0	0	0	0	64.75
1589	7/24/2012	EFGB	61	20:00	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	2	0	0	1170.78
1590	7/24/2012	EFGB	61	20:00	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	0	0	1	0	0	0	451.29
1591	7/24/2012	EFGB	61	20:00	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	1	0	0	649.4
1592	7/24/2012	EFGB	61	20:00	First 5mins	squirrelfish	*Holocentrus adscensionis*	I	0	0	0	1	0	0	0	0	0	111.48
1593	7/24/2012	EFGB	61	20:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	2	0	0	0	0	0	0	0	0	0.33
1594	7/24/2012	EFGB	61	20:00	First 5mins	scamp	*Mycteroperca phenax*	P	0	0	0	0	0	0	1	0	0	463.12
1595	7/24/2012	EFGB	61	20:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	1	0	0	789.13
1596	7/24/2012	EFGB	61	20:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	3	2	0	0	0	2063.91

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1597	7/24/2012	EFGB	61	20:00	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	0	2	0	0	0	0	0	221.88
1598	7/24/2012	EFGB	61	20:00	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	0	0	8	0	0	0	469.13
1599	7/24/2012	EFGB	61	20:00	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	0	0	1	0	0	0	0	0	71.02
1600	7/24/2012	EFGB	74	9:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	2	0	0	0	0	0	0	0	13.61
1601	7/24/2012	EFGB	74	9:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	18	0	0	0	0	0	0	0	0	5.88
1602	7/24/2012	EFGB	74	9:30	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	0	0	1	0	0	0	0	216.55
1603	7/24/2012	EFGB	74	9:30	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	0	4	0	0	0	0	0	0	182.63
1604	7/24/2012	EFGB	74	9:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	11	0	0	0	0	2796.82
1605	7/24/2012	EFGB	74	9:30	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	4	0	0	0	0	0	607.08
1606	7/24/2012	EFGB	74	9:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	4	1	0	0	0	0	0	0	111.04
1607	7/24/2012	EFGB	74	9:30	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	32	0	0	0	0	0	0	0	0	13.94
1608	7/24/2012	EFGB	74	9:30	First 5mins	brown chromis	*Chromis multilineata*	I	84	0	0	0	0	0	0	0	0	47.59
1609	7/24/2012	EFGB	74	9:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	19	1	0	0	0	0	0	0	0	7.73
1610	7/24/2012	EFGB	74	9:30	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	2	0	0	0	0	0	0	0	25.98
1611	7/24/2012	EFGB	74	9:30	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
1612	7/24/2012	EFGB	74	9:30	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	0	1	0	0	0	0	0	0	60.35

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1613	7/24/2012	EFGB	74	9:30	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	1	0	0	0	0	201.61
1614	7/24/2012	EFGB	74	9:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	12	55	0	2595.21
1615	7/24/2012	EFGB	74	9:30	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1616	7/24/2012	EFGB	74	9:30	First 5mins	bar jack	*Carangoides ruber*	P	0	3	0	0	0	0	0	0	0	4.95
1617	7/24/2012	EFGB	74	9:30	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	1	0	0	0	0	0	0	31.56
1618	7/24/2012	EFGB	74	9:30	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	3	0	0	0	0	0	245.48
1619	7/24/2012	EFGB	74	9:30	First 5mins	neon goby	*Elacatinus oceanops*	I	5	0	0	0	0	0	0	0	0	0.71
1620	7/24/2012	EFGB	74	9:30	First 5mins	slippery dick	*Halichoeres bivittatus*	I	0	1	0	0	0	0	0	0	0	5.37
1621	7/24/2012	EFGB	78	9:50	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	11	0	0	0	0	0	0	0	0	4.79
1622	7/24/2012	EFGB	78	9:50	First 5mins	striped parrotfish	*Scarus iseri*	H	3	1	0	0	0	0	0	0	0	8.37
1623	7/24/2012	EFGB	78	9:50	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	8	0	0	1	0	0	0	0	0	97.07
1624	7/24/2012	EFGB	78	9:50	First 5mins	threespot damselfish	*Stegastes planifrons*	I	21	0	0	0	0	0	0	0	0	10.91
1625	7/24/2012	EFGB	78	9:50	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	1	0	0	0	0	0	0	0	6.81
1626	7/24/2012	EFGB	78	9:50	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	3	4	0	0	0	0	0	0	0	35.73
1627	7/24/2012	EFGB	78	9:50	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	14	0	0	0	0	0	0	0	0	4

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1628	7/24/2012	EFGB	78	9:50	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1629	7/24/2012	EFGB	78	9:50	First 5mins	bluehead	*Thalassoma bifasciatum*	I	8	0	0	0	0	0	0	0	0	1.31
1630	7/24/2012	EFGB	78	9:50	First 5mins	blue chromis	*Chromis cyanea*	PL	6	0	0	0	0	0	0	0	0	3.24
1631	7/24/2012	EFGB	78	9:50	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	2	0	0	0	0	0	0	84.77
1632	7/24/2012	EFGB	78	9:50	First 5mins	brown chromis	*Chromis multilineata*	I	132	0	0	0	0	0	0	0	0	74.78
1633	7/24/2012	EFGB	78	9:50	First 5mins	queen parrotfish	*Scarus vetula*	H	8	3	2	0	0	0	0	0	0	93.75
1634	7/24/2012	EFGB	78	9:50	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	7	0	0	0	0	0	0	416.99
1635	7/24/2012	EFGB	78	9:50	First 5mins	bi-color damselfish	*Stegastes partitus*	H	4	0	0	0	0	0	0	0	0	1.31
1636	7/24/2012	EFGB	78	9:50	First 5mins	neon goby	*Elacatinus oceanops*	I	3	0	0	0	0	0	0	0	0	0.43
1637	7/24/2012	EFGB	78	9:50	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	1	0	0	0	0	0	0	35.09
1638	7/24/2012	EFGB	78	9:50	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	0	0	0	0	0	0	0	0	0.64
1639	7/24/2012	EFGB	78	9:50	First 5mins	purple reeffish	*Chromis scotti*	PL	3	0	0	0	0	0	0	0	0	0.92
1640	7/24/2012	EFGB	78	9:50	First 5mins	dusky damselfish	*Stegastes adustus*	H	3	0	0	0	0	0	0	0	0	1.56
1641	7/24/2012	EFGB	78	9:50	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	1	0	0	0	0	0	84.86
1642	7/24/2012	EFGB	78	9:50	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	4	0	0	0	0	0	0	0	37.87

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1643	7/24/2012	EFGB	78	9:50	First 5mins	black durgon	*Melichthys niger*	H	0	0	5	0	0	0	0	0	0	229.52
1644	7/24/2012	EFGB	78	9:50	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	1	0	0	0	0	0	0	0	11.62
1645	7/24/2012	EFGB	78	9:50	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	3	0	0	0	0	0	0	88.18
1646	7/25/2012	EFGB	59	7:04	First 5mins	bi-color damselfish	*Stegastes partitus*	H	18	0	0	0	0	0	0	0	0	5.88
1647	7/25/2012	EFGB	59	7:04	First 5mins	bluehead	*Thalassoma bifasciatum*	I	33	1	0	0	0	0	0	0	0	10.02
1648	7/25/2012	EFGB	59	7:04	First 5mins	brown chromis	*Chromis multilineata*	I	221	2	0	0	0	0	0	0	0	154.39
1649	7/25/2012	EFGB	59	7:04	First 5mins	blue chromis	*Chromis cyanea*	PL	11	3	0	0	0	0	0	0	0	47.68
1650	7/25/2012	EFGB	59	7:04	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	0	2	0	0	0	0	0	0	114.84
1651	7/25/2012	EFGB	59	7:04	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	0	0	0	3	0	0	2737.44
1652	7/25/2012	EFGB	59	7:04	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	10	0	0	1	0	0	0	728.74
1653	7/25/2012	EFGB	59	7:04	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	0	3	1	0	0	0	0	0	187.81
1654	7/25/2012	EFGB	59	7:04	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	7	0	0	0	0	0	0	416.99
1655	7/25/2012	EFGB	59	7:04	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	2	0	1	1	0	0	0	0	0	151.28
1656	7/25/2012	EFGB	59	7:04	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	4	0	0	0	0	0	0	0	0	1.74
1657	7/25/2012	EFGB	59	7:04	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
1658	7/25/2012	EFGB	59	7:04	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	7	0	0	0	0	1779.79

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1659	7/25/2012	EFGB	59	7:04	First 5mins	threespot damselfish	*Stegastes planifrons*	I	6	1	0	0	0	0	0	0	0	15.1
1660	7/25/2012	EFGB	59	7:04	First 5mins	creole wrasse	*Clepticus parrae*	PL	95	0	0	0	0	0	0	0	0	20.84
1661	7/25/2012	EFGB	59	7:04	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	0	0	1	0	0	0	0	0	152.77
1662	7/25/2012	EFGB	59	7:04	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	4	0	0	0	0	0	0	175.78
1663	7/25/2012	EFGB	59	7:04	First 5mins	striped parrotfish	*Scarus iseri*	H	2	0	0	0	0	0	0	0	0	0.6
1664	7/25/2012	EFGB	59	7:04	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	55	3	3144.49
1665	7/25/2012	EFGB	59	7:04	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	20	0	0	0	0	0	0	587.84
1666	7/25/2012	EFGB	59	7:04	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	0	1	0	0	0	0	0	82
1667	7/25/2012	EFGB	59	7:04	First 5mins	purple reeffish	*Chromis scotti*	PL	3	0	0	0	0	0	0	0	0	0.92
1668	7/25/2012	EFGB	59	7:04	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	0	0	0	1	0	0	0	0	177.65
1669	7/25/2012	EFGB	70	7:25	First 5mins	bi-color damselfish	*Stegastes partitus*	H	23	0	0	0	0	0	0	0	0	7.52
1670	7/25/2012	EFGB	70	7:25	First 5mins	purple reeffish	*Chromis scotti*	PL	2	0	0	0	0	0	0	0	0	0.61
1671	7/25/2012	EFGB	70	7:25	First 5mins	bluehead	*Thalassoma bifasciatum*	I	17	1	0	0	0	0	0	0	0	7.4
1672	7/25/2012	EFGB	70	7:25	First 5mins	brown chromis	*Chromis multilineata*	I	32	0	0	0	0	0	0	0	0	18.13
1673	7/25/2012	EFGB	70	7:25	First 5mins	threespot damselfish	*Stegastes planifrons*	I	9	6	0	0	0	0	0	0	0	76.59
1674	7/25/2012	EFGB	70	7:25	First 5mins	dusky damselfish	*Stegastes adustus*	H	2	0	0	0	0	0	0	0	0	1.04

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1675	7/25/2012	EFGB	70	7:25	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	2	2	0	0	0	0	0	0	78.6
1676	7/25/2012	EFGB	70	7:25	First 5mins	creolefish	*Paranthias furcifer*	PL	0	1	54	0	0	0	0	0	0	1593.39
1677	7/25/2012	EFGB	70	7:25	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	5	0	0	0	0	0	0	0	0	2.18
1678	7/25/2012	EFGB	70	7:25	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	5	0	0	0	0	0	0	145.36
1679	7/25/2012	EFGB	70	7:25	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	6	0	0	0	0	0	0	357.42
1680	7/25/2012	EFGB	70	7:25	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	0	0	0	0	0	0	0	14.93
1681	7/25/2012	EFGB	70	7:25	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
1682	7/25/2012	EFGB	70	7:25	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	7	0	0	0	0	0	0	0	0	2
1683	7/25/2012	EFGB	70	7:25	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1684	7/25/2012	EFGB	70	7:25	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	1	1	0	1	0	0	0	0	283.57
1685	7/25/2012	EFGB	70	7:25	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	2	0	0	0	0	0	0	87.89
1686	7/25/2012	EFGB	70	7:25	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	1	0	0	0	0	0	0	0	0	0.2
1687	7/25/2012	EFGB	70	7:25	First 5mins	black durgon	*Melichthys niger*	H	0	0	1	2	0	0	0	0	0	349.44
1688	7/25/2012	EFGB	70	7:25	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	0	2	0	0	0	0	0	0	119.3
1689	7/25/2012	EFGB	70	7:25	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	60	2	2721.6
1690	7/25/2012	EFGB	70	7:25	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1691	7/25/2012	EFGB	70	7:25	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	0	0	1	0	0	0	0	0	82
1692	7/25/2012	EFGB	70	7:25	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	2	0	0	0	0	0	0	0	0	0.98
1693	7/25/2012	EFGB	70	7:25	First 5mins	longspine squirrelfish	*Holocentrus rufus*	I	0	0	1	0	0	0	0	0	0	34
1694	7/25/2012	WFGB	76	16:00	First 5mins	longspine squirrelfish	*Holocentrus rufus*	I	0	1	0	0	0	0	0	0	0	7.13
1695	7/25/2012	WFGB	76	16:00	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	1	0	0	0	0	0	0	0	8.73
1696	7/25/2012	WFGB	76	16:00	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	1	0	0	0	0	0	0	0	0	0.48
1697	7/25/2012	WFGB	76	16:00	First 5mins	pudding wife	*Halichoeres radiatus*	I	2	1	0	0	0	0	0	0	0	6.39
1698	7/25/2012	WFGB	76	16:00	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	5	0	0	0	0	0	0	0	0	0.98
1699	7/25/2012	WFGB	76	16:00	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	2	1	0	0	0	0	0	0	58.9
1700	7/25/2012	WFGB	76	16:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	86	0	0	0	0	0	0	0	0	28.11
1701	7/25/2012	WFGB	76	16:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	0	0	0	0	0	0	0	7.28
1702	7/25/2012	WFGB	76	16:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	15	0	0	0	0	0	0	0	0	7.79
1703	7/25/2012	WFGB	76	16:00	First 5mins	black durgon	*Melichthys niger*	H	0	8	0	0	0	0	0	0	0	59.77
1704	7/25/2012	WFGB	76	16:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	3	4	1	0	0	0	0	0	255.54
1705	7/25/2012	WFGB	76	16:00	First 5mins	neon goby	*Elacatinus oceanops*	I	12	0	0	0	0	0	0	0	0	1.7
1706	7/25/2012	WFGB	76	16:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	3	0	0	0	0	0	0	0	0	0.3

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1707	7/25/2012	WFGB	76	16:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	21	0	0	0	0	0	0	0	0	5.99
1708	7/25/2012	WFGB	76	16:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	18	0	0	0	0	0	0	0	0	7.84
1709	7/25/2012	WFGB	76	16:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	6	0	0	0	0	0	0	0	77.2
1710	7/25/2012	WFGB	76	16:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	14	0	0	0	0	0	0	0	86.95
1711	7/25/2012	WFGB	76	16:00	First 5mins	brown chromis	*Chromis multilineata*	I	2	0	0	0	0	0	0	0	0	1.13
1712	7/25/2012	WFGB	76	16:00	First 5mins	purple reeffish	*Chromis scotti*	PL	23	0	0	0	0	0	0	0	0	7.05
1713	7/25/2012	WFGB	76	16:00	First 5mins	dusky damselfish	*Stegastes adustus*	H	15	0	0	0	0	0	0	0	0	7.79
1714	7/25/2012	WFGB	76	16:00	First 5mins	blue chromis	*Chromis cyanea*	PL	14	0	0	0	0	0	0	0	0	7.56
1715	7/25/2012	WFGB	76	16:00	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	7	0	0	0	0	0	0	0	66.27
1716	7/25/2012	WFGB	76	16:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	36	0	0	0	0	0	0	0	0	5.89
1717	7/25/2012	WFGB	76	16:00	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	6	0	0	0	0	0	0	0	0	0.69
1718	7/25/2012	WFGB	76	16:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	5	0	0	0	0	0	0	0	31.05
1719	7/25/2012	WFGB	76	16:00	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
1720	7/25/2012	WFGB	68	16:06	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
1721	7/25/2012	WFGB	68	16:06	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	3	0	1	0	0	0	0	0	0	41.2
1722	7/25/2012	WFGB	68	16:06	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	12	0	0	0	0	0	0	0	0	0.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1723	7/25/2012	WFGB	68	16:06	First 5mins	bluehead	*Thalassoma bifasciatum*	I	4	0	0	0	0	0	0	0	0	0.65
1724	7/25/2012	WFGB	68	16:06	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	0	0	0	0	0	0	0.86
1725	7/25/2012	WFGB	68	16:06	First 5mins	bi-color damselfish	*Stegastes partitus*	H	1	0	0	0	0	0	0	0	0	0.33
1726	7/25/2012	WFGB	68	16:06	First 5mins	rock beauty	*Holacanthus tricolor*	I	3	0	0	0	0	0	0	0	0	1.76
1727	7/25/2012	WFGB	68	16:06	First 5mins	brown chromis	*Chromis multilineata*	I	5	0	0	0	0	0	0	0	0	2.83
1728	7/25/2012	WFGB	68	16:06	First 5mins	chub	*Kyphosus sectator*	H	0	0	5	0	0	0	0	0	0	207.97
1729	7/25/2012	WFGB	68	16:06	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62
1730	7/25/2012	WFGB	68	16:06	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	0	0	0	0	0	0	0	0	1.19
1731	7/25/2012	WFGB	68	16:06	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	2	0	1	0	0	0	0	0	0	57.91
1732	7/25/2012	WFGB	68	16:06	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	1	0	0	0	0	0	0	0	11.89
1733	7/25/2012	WFGB	68	16:06	First 5mins	black durgon	*Melichthys niger*	H	0	1	0	0	0	0	0	0	0	7.47
1734	7/25/2012	WFGB	68	16:06	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	1	0	0	0	0	0	0	12.3
1735	7/25/2012	WFGB	68	16:06	First 5mins	beaugregory	*Stegastes leucostictus*	I	0	31	0	0	0	0	0	0	0	315.58
1736	7/25/2012	WFGB	68	16:06	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	5	0	0	0	0	0	0	0	0	0.87
1737	7/25/2012	WFGB	68	16:06	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	1	0	0	0	0	0	0	0	12.87
1738	7/25/2012	WFGB	68	16:06	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1739	7/25/2012	WFGB	68	16:06	First 5mins	bucktooth parrotfish	*Sparisoma radians*	H	1	0	0	0	0	0	0	0	0	0.2
1740	7/25/2012	WFGB	68	16:06	First 5mins	creole wrasse	*Clepticus parrae*	PL	50	0	4	0	0	0	0	0	0	128.54
1741	7/25/2012	WFGB	74	16:23	First 5mins	graysby	*Cephalopholis cruentata*	P	2	1	0	0	0	0	0	0	0	6.43
1742	7/25/2012	WFGB	74	16:23	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1743	7/25/2012	WFGB	74	16:23	First 5mins	queen parrotfish	*Scarus vetula*	H	0	5	0	1	0	0	0	0	0	132.2
1744	7/25/2012	WFGB	74	16:23	First 5mins	black durgon	*Melichthys niger*	H	0	0	9	0	0	0	0	0	0	413.13
1745	7/25/2012	WFGB	74	16:23	First 5mins	purple reeffish	*Chromis scotti*	PL	23	0	0	0	0	0	0	0	0	7.05
1746	7/25/2012	WFGB	74	16:23	First 5mins	blue chromis	*Chromis cyanea*	PL	21	0	0	0	0	0	0	0	0	11.34
1747	7/25/2012	WFGB	74	16:23	First 5mins	creolefish	*Paranthias furcifer*	PL	0	7	6	0	0	0	0	0	0	219.83
1748	7/25/2012	WFGB	74	16:23	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	7	0	0	0	0	0	0	0	62.12
1749	7/25/2012	WFGB	74	16:23	First 5mins	bluehead	*Thalassoma bifasciatum*	I	36	0	0	0	0	0	0	0	0	5.89
1750	7/25/2012	WFGB	74	16:23	First 5mins	bi-color damselfish	*Stegastes partitus*	H	54	0	0	0	0	0	0	0	0	17.65
1751	7/25/2012	WFGB	74	16:23	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	14	2	0	0	0	0	0	0	145.73
1752	7/25/2012	WFGB	74	16:23	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	15	0	1	0	0	0	0	0	0	38.72
1753	7/25/2012	WFGB	74	16:23	First 5mins	Spanish hogfish	*Bodianus rufus*	I	8	0	0	0	0	0	0	0	0	1.9

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1754	7/25/2012	WFGB	74	16:23	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
1755	7/25/2012	WFGB	74	16:23	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	14	2	0	0	0	0	0	0	0	25.74
1756	7/25/2012	WFGB	74	16:23	First 5mins	threespot damselfish	*Stegastes planifrons*	I	18	0	0	0	0	0	0	0	0	9.35
1757	7/25/2012	WFGB	74	16:23	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	12	0	0	0	0	0	0	0	0	3.42
1758	7/25/2012	WFGB	74	16:23	First 5mins	tiger grouper	*Mycteroperca tigris*	P	0	0	0	1	0	0	0	0	0	71.02
1759	7/25/2012	WFGB	74	16:23	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	1	0	0	0	0	0	0	0	13.56
1760	7/25/2012	WFGB	74	16:23	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	5	0	0	0	0	0	0	0	47.34
1761	7/25/2012	WFGB	74	16:23	First 5mins	brown chromis	*Chromis multilineata*	I	120	0	0	0	0	0	0	0	0	67.98
1762	7/25/2012	WFGB	74	16:23	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
1763	7/25/2012	WFGB	74	16:23	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	3	0	0	0	0	0	0	0	0	0.59
1764	7/25/2012	WFGB	74	16:23	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	1	0	0	0	0	0	0	0	0	0.08
1765	7/25/2012	WFGB	74	16:23	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	0	0	216.27
1766	7/25/2012	WFGB	74	16:23	First 5mins	French angelfish	*Pomacanthus paru*	I	0	0	0	1	0	0	0	0	0	156.04
1767	7/25/2012	WFGB	74	16:23	First 5mins	neon goby	*Elacatinus oceanops*	I	14	0	0	0	0	0	0	0	0	1.98
1768	7/25/2012	WFGB	75	16:26	First 5mins	bluehead	*Thalassoma bifasciatum*	I	3	0	0	0	0	0	0	0	0	0.49
1769	7/25/2012	WFGB	75	16:26	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	10	0	0	0	0	0	0	0	0	0.83

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1770	7/25/2012	WFGB	75	16:26	First 5mins	bi-color damselfish	*Stegastes partitus*	H	7	0	0	0	0	0	0	0	0	2.29
1771	7/25/2012	WFGB	75	16:26	First 5mins	beaugregory	*Stegastes leucostictus*	I	4	1	0	0	0	0	0	0	0	11.89
1772	7/25/2012	WFGB	75	16:26	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	8	0	0	0	0	0	0	0	0	1.39
1773	7/25/2012	WFGB	75	16:26	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	0	0	0	0	0	0	0	0	0.95
1774	7/25/2012	WFGB	75	16:26	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	2	0	0	0	0	0	0	0	0	0.98
1775	7/25/2012	WFGB	75	16:26	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
1776	7/25/2012	WFGB	75	16:26	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
1777	7/25/2012	WFGB	75	16:26	First 5mins	black durgon	*Melichthys niger*	H	7	0	0	0	0	0	0	0	0	1.05
1778	7/25/2012	WFGB	75	16:26	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	4	0	0	0	0	0	0	49.22
1779	7/25/2012	WFGB	75	16:26	First 5mins	rock beauty	*Holacanthus tricolor*	I	5	0	0	0	0	0	0	0	0	2.94
1780	7/25/2012	WFGB	75	16:26	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	1	0	0	0	0	0	0	0	12.89
1781	7/25/2012	WFGB	75	16:26	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
1782	7/25/2012	WFGB	75	16:26	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	0	0	0	0	0	0	0	0	0.29
1783	7/25/2012	WFGB	75	16:26	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	6	0	0	0	0	0	0	0	0	2.61
1784	7/25/2012	WFGB	75	16:26	First 5mins	porcupinefish	*Diodon hystrix*	I	0	0	0	1	0	0	0	0	0	359.65
1785	7/25/2012	WFGB	75	16:26	First 5mins	pudding wife	*Halichoeres radiatus*	I	0	0	1	0	0	0	0	0	0	28.16

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1786	7/25/2012	EFGB	62	7:24	First 5mins	brown chromis	*Chromis multilineata*	I	119	0	0	0	0	0	0	0	0	67.42
1787	7/25/2012	EFGB	62	7:24	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1788	7/25/2012	EFGB	62	7:24	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	1	0	1	0	0	288.03
1789	7/25/2012	EFGB	62	7:24	First 5mins	bluehead	*Thalassoma bifasciatum*	I	0	18	0	0	0	0	0	0	0	83.13
1790	7/25/2012	EFGB	62	7:24	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	17	1	0	0	0	0	0	0	0	6.62
1791	7/25/2012	EFGB	62	7:24	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	23	0	0	0	0	0	0	0	0	6.36
1792	7/25/2012	EFGB	62	7:24	First 5mins	striped parrotfish	*Scarus iseri*	H	6	0	0	0	0	0	0	0	0	1.81
1793	7/25/2012	EFGB	62	7:24	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	2	1	0	0	0	0	0	264.79
1794	7/25/2012	EFGB	62	7:24	First 5mins	bi-color damselfish	*Stegastes partitus*	H	14	0	0	0	0	0	0	0	0	4.58
1795	7/25/2012	EFGB	62	7:24	First 5mins	dusky damselfish	*Stegastes adustus*	H	5	0	0	0	0	0	0	0	0	2.6
1796	7/25/2012	EFGB	62	7:24	First 5mins	blue chromis	*Chromis cyanea*	PL	19	0	0	0	0	0	0	0	0	10.26
1797	7/25/2012	EFGB	62	7:24	First 5mins	queen parrotfish	*Scarus vetula*	H	0	4	0	0	1	0	0	0	0	231.48
1798	7/25/2012	EFGB	62	7:24	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	6	0	0	0	0	0	0	0	56.8
1799	7/25/2012	EFGB	62	7:24	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	2	0	0	0	0	0	0	144.88
1800	7/25/2012	EFGB	62	7:24	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	3	0	0	0	0	0	0	0	40.69
1801	7/25/2012	EFGB	62	7:24	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	1	0	0	0	0	0	0	33.09

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1802	7/25/2012	EFGB	62	7:24	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	1	0	0	0	342.99
1803	7/25/2012	EFGB	62	7:24	First 5mins	purple reeffish	*Chromis scotti*	PL	8	0	0	0	0	0	0	0	0	2.45
1804	7/25/2012	EFGB	62	7:24	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	3	1	0	0	0	0	0	0	0	9.66
1805	7/25/2012	EFGB	62	7:24	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	1	0	2	0	0	0	0	0	0	63.39
1806	7/25/2012	EFGB	62	7:24	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	12	0	0	0	0	0	0	0	0	5.23
1807	7/25/2012	EFGB	62	7:24	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	0	0	0	0	0	0	0.86
1808	7/25/2012	EFGB	62	7:24	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
1809	7/25/2012	EFGB	62	7:24	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	0	0	0	0	0	0	0	6.02
1810	7/25/2012	EFGB	62	7:24	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	6	0	0	0	0	0	0	0	0	1.05
1811	7/25/2012	EFGB	62	7:24	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	2	0	0	0	0	0	0	80.86
1812	7/25/2012	EFGB	62	7:24	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	3	0	0	0	0	0	0	0	0	0.59
1813	7/25/2012	EFGB	62	7:24	First 5mins	goldentail moray	*Gymnothorax miliaris*	I	0	1	0	0	0	0	0	0	0	0.2
1814	7/25/2012	EFGB	66	7;06	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	73	0	0	0	34436.33
1815	7/25/2012	EFGB	66	7;06	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	1	0	1	1	0	0	0	0	477.52
1816	7/25/2012	EFGB	66	7;06	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	1	0	0	0	0	0	0	51.13

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1817	7/25/2012	EFGB	66	7;06	First 5mins	brown chromis	*Chromis multilineata*	I	343	0	0	0	0	0	0	0	0	194.32
1818	7/25/2012	EFGB	66	7;06	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	1	0	0	0	0	0	151.77
1819	7/25/2012	EFGB	66	7;06	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	0	0	0	0	0	0	0	7.28
1820	7/25/2012	EFGB	66	7;06	First 5mins	graysby	*Cephalopholis cruentata*	P	2	1	0	0	0	0	0	0	0	6.43
1821	7/25/2012	EFGB	66	7;06	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	1	0	0	2	0	0	0	0	0	169.99
1822	7/25/2012	EFGB	66	7;06	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	1	40	0	216.27
1823	7/25/2012	EFGB	66	7;06	First 5mins	bi-color damselfish	*Stegastes partitus*	H	36	0	0	0	0	0	0	0	0	11.77
1824	7/25/2012	EFGB	66	7;06	First 5mins	purple reeffish	*Chromis scotti*	PL	7	0	0	0	0	0	0	0	0	2.15
1825	7/25/2012	EFGB	66	7;06	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	13	0	0	0	0	0	0	0	0	3.6
1826	7/25/2012	EFGB	66	7;06	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	18	0	0	0	0	0	0	0	0	2.06
1827	7/25/2012	EFGB	66	7;06	First 5mins	bluehead	*Thalassoma bifasciatum*	I	21	0	0	0	0	0	0	0	0	3.44
1828	7/25/2012	EFGB	66	7;06	First 5mins	queen parrotfish	*Scarus vetula*	H	0	3	0	0	0	0	0	0	0	22.4
1829	7/25/2012	EFGB	66	7;06	First 5mins	pudding wife	*Halichoeres radiatus*	I	1	0	0	0	0	0	0	0	0	0.21
1830	7/25/2012	EFGB	66	7;06	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	1	0	0	0	0	0	0	0	9.98
1831	7/25/2012	EFGB	66	7;06	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	7	0	0	0	0	0	0	0	0	2.94

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1832	7/25/2012	EFGB	66	7;06	First 5mins	threespot damselfish	*Stegastes planifrons*	I	8	0	0	0	0	0	0	0	0	4.16
1833	7/25/2012	EFGB	66	7;06	First 5mins	neon goby	*Elacatinus oceanops*	I	6	0	0	0	0	0	0	0	0	0.85
1834	7/25/2012	EFGB	66	7;06	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	18	0	0	0	0	0	0	0	0	7.84
1835	7/25/2012	EFGB	66	7;06	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	6	0	0	0	0	0	0	0	0	2.42
1836	7/25/2012	EFGB	66	7;06	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71
1837	7/25/2012	EFGB	66	7;06	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	5	0	0	0	0	0	0	0	0	0.98
1838	7/25/2012	EFGB	66	7;06	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	1	0	0	0	0	0	0	0	9.49
1839	7/25/2012	EFGB	66	7;06	First 5mins	bar jack	*Carangoides ruber*	P	0	3	0	0	0	0	0	0	0	4.95
1840	7/25/2012	EFGB	66	7;06	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	1	0	0	0	0	0	0	0	13.56
1841	7/25/2012	EFGB	66	7;06	First 5mins	blue chromis	*Chromis cyanea*	PL	7	0	0	0	0	0	0	0	0	3.78
1842	7/25/2012	EFGB	66	7;06	First 5mins	squirrelfish	*Holocentrus adscensionis*	I	0	1	0	0	0	0	0	0	0	8.78
1843	7/25/2012	EFGB	66	7;06	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	14	0	0	0	0	0	0	0	122.26
1844	7/25/2012	EFGB	66	7;06	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	10	0	0	0	0	0	0	0	128.67
1845	7/26/2012	WFGB	75	7:25	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	6	0	0	0	0	0	0	0	0	1.93
1846	7/26/2012	WFGB	75	7:25	First 5mins	queen parrotfish	*Scarus vetula*	H	1	1	0	0	0	0	0	0	0	7.74
1847	7/26/2012	WFGB	75	7:25	First 5mins	bi-color damselfish	*Stegastes partitus*	H	16	0	0	0	0	0	0	0	0	5.23

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1848	7/26/2012	WFGB	75	7:25	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	4	0	0	0	0	0	0	0	0	0.33
1849	7/26/2012	WFGB	75	7:25	First 5mins	rock beauty	*Holacanthus tricolor*	I	1	0	0	0	0	0	0	0	0	0.59
1850	7/26/2012	WFGB	75	7:25	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48
1851	7/26/2012	WFGB	75	7:25	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
1852	7/26/2012	WFGB	75	7:25	First 5mins	bluehead	*Thalassoma bifasciatum*	I	4	0	0	0	0	0	0	0	0	0.65
1853	7/26/2012	WFGB	75	7:25	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	1	0	0	0	0	0	103.29
1854	7/26/2012	WFGB	75	7:25	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	0	0	0	0	0	0	0.86
1855	7/26/2012	WFGB	75	7:25	First 5mins	blue chromis	*Chromis cyanea*	PL	2	0	0	0	0	0	0	0	0	1.08
1856	7/26/2012	WFGB	75	7:25	First 5mins	rock hind	*Epinephelus adscensionis*	I	0	1	0	0	0	0	0	0	0	6.45
1857	7/26/2012	WFGB	75	7:25	First 5mins	black durgon	*Melichthys niger*	H	0	0	9	0	0	0	0	0	0	413.13
1858	7/26/2012	WFGB	75	7:25	First 5mins	beaugregory	*Stegastes leucostictus*	I	0	2	0	0	0	0	0	0	0	20.36
1859	7/26/2012	WFGB	75	7:51	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	1	0	0	0	0	0	0	0	8
1860	7/26/2012	WFGB	75	7:51	First 5mins	beaugregory	*Stegastes leucostictus*	I	3	0	0	0	0	0	0	0	0	1.28
1861	7/26/2012	WFGB	75	7:51	First 5mins	sunshinefish	*Chromis insolata*	PL	2	1	0	0	0	0	0	0	0	11.36
1862	7/26/2012	WFGB	75	7:51	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	6	0	0	0	0	0	0	0	0	0.5

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1863	7/26/2012	WFGB	75	7:51	First 5mins	rock beauty	*Holacanthus tricolor*	I	4	0	0	0	0	0	0	0	0	2.35
1864	7/26/2012	WFGB	75	7:51	First 5mins	bi-color damselfish	*Stegastes partitus*	H	11	0	0	0	0	0	0	0	0	3.6
1865	7/26/2012	WFGB	75	7:51	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	4	0	0	0	0	0	0	0	0	1.14
1866	7/26/2012	WFGB	75	7:51	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	1	0	0	0	0	0	0	42.04
1867	7/26/2012	WFGB	75	7:51	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	0	0	0	0	0	0	56.85
1868	7/26/2012	WFGB	75	7:51	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	0	0	4	0	0	3156.53
1869	7/26/2012	WFGB	75	7:51	First 5mins	bluehead	*Thalassoma bifasciatum*	I	19	0	0	0	0	0	0	0	0	3.11
1870	7/26/2012	WFGB	75	7:51	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	0	1	0	0	0	0	0	120.59
1871	7/26/2012	WFGB	75	7:51	First 5mins	greater amberjack	*Seriola dumerili*	P	0	0	0	0	0	0	0	40	3	3075.05
1872	7/26/2012	WFGB	75	7:51	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	3	0	0	0	0	0	0	87.21
1873	7/26/2012	WFGB	75	7:51	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	5	0	0	0	0	0	168.82
1874	7/26/2012	WFGB	75	7:51	First 5mins	black durgon	*Melichthys niger*	H	0	0	2	0	0	0	0	0	0	91.81
1875	7/26/2012	WFGB	68	11:00	First 5mins	brown chromis	*Chromis multilineata*	I	1000	0	0	0	0	0	0	0	0	566.54
1876	7/26/2012	WFGB	68	11:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	7	0	0	0	0	0	0	0	90.07
1877	7/26/2012	WFGB	68	11:00	First 5mins	creolefish	*Paranthias furcifer*	PL	0	14	0	0	0	0	0	0	0	86.95
1878	7/26/2012	WFGB	68	11:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	2	0	0	0	0	0	0	24.61

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1879	7/26/2012	WFGB	68	11:00	First 5mins	purple reeffish	*Chromis scotti*	PL	12	0	0	0	0	0	0	0	0	3.68
1880	7/26/2012	WFGB	68	11:00	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	2	0	0	0	0	0	0	0	0	0.98
1881	7/26/2012	WFGB	68	11:00	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	1	0	0	0	0	0	0	0	0	0.48
1882	7/26/2012	WFGB	68	11:00	First 5mins	dusky damselfish	*Stegastes adustus*	H	20	0	0	0	0	0	0	0	0	10.39
1883	7/26/2012	WFGB	68	11:00	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	36	0	0	0	0	0	0	0	0	9.96
1884	7/26/2012	WFGB	68	11:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	42	0	0	0	0	0	0	0	0	6.88
1885	7/26/2012	WFGB	68	11:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	14	1	0	0	0	0	0	0	0	10.14
1886	7/26/2012	WFGB	68	11:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	23	0	0	0	0	0	0	0	0	10.02
1887	7/26/2012	WFGB	68	11:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	36	0	0	0	0	0	0	1497.39
1888	7/26/2012	WFGB	68	11:00	First 5mins	bi-color damselfish	*Stegastes partitus*	H	47	0	0	0	0	0	0	0	0	15.36
1889	7/26/2012	WFGB	68	11:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	14	0	0	0	0	0	0	0	0	4
1890	7/26/2012	WFGB	68	11:00	First 5mins	neon goby	*Elacatinus oceanops*	I	13	0	0	0	0	0	0	0	0	1.84
1891	7/26/2012	WFGB	68	11:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	118	0	0	0	0	0	0	0	0	25.89
1892	7/26/2012	WFGB	68	11:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
1893	7/26/2012	WFGB	68	11:00	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
1894	7/26/2012	WFGB	68	11:00	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	5	2	0	0	0	0	0	0	0	18.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1895	7/26/2012	WFGB	70	11:15	First 5mins	brown chromis	*Chromis multilineata*	I	123	0	0	0	0	0	0	0	0	69.68
1896	7/26/2012	WFGB	70	11:15	First 5mins	bluehead	*Thalassoma bifasciatum*	I	30	2	0	0	0	0	0	0	0	14.15
1897	7/26/2012	WFGB	70	11:15	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	5	0	0	0	0	0	0	0	0	1.43
1898	7/26/2012	WFGB	70	11:15	First 5mins	chub	*Kyphosus sectator*	H	0	0	3	0	0	0	0	0	0	124.78
1899	7/26/2012	WFGB	70	11:15	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	2	0	0	0	0	0	0	0	0	1.06
1900	7/26/2012	WFGB	70	11:15	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	20	0	0	0	0	0	0	0	0	1.65
1901	7/26/2012	WFGB	70	11:15	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	0	0	0	0	0	0	0	0	0.24
1902	7/26/2012	WFGB	70	11:15	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
1903	7/26/2012	WFGB	70	11:15	First 5mins	sunshinefish	*Chromis insolata*	PL	14	0	0	0	0	0	0	0	0	5.73
1904	7/26/2012	WFGB	70	11:15	First 5mins	blue chromis	*Chromis cyanea*	PL	2	0	0	0	0	0	0	0	0	1.08
1905	7/26/2012	WFGB	70	11:15	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	2	0	0	0	0	0	0	0	26.07
1906	7/26/2012	WFGB	70	11:15	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	2	0	0	0	0	0	0	24.61
1907	7/26/2012	WFGB	70	11:15	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
1908	7/26/2012	WFGB	70	11:15	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
1909	7/26/2012	WFGB	70	11:15	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73
1910	7/26/2012	WFGB	70	11:15	First 5mins	creolefish	*Paranthias furcifer*	PL	1	0	0	0	0	0	0	0	0	0.22

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1911	7/26/2012	WFGB	70	11:15	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	0	0	0	0	0	0	0	7.47
1912	7/26/2012	WFGB	70	11:15	First 5mins	rock beauty	*Holacanthus tricolor*	I	4	0	0	0	0	0	0	0	0	2.35
1913	7/26/2012	WFGB	70	11:25	First 5mins	threespot damselfish	*Stegastes planifrons*	I	9	0	0	0	0	0	0	0	0	4.68
1914	7/26/2012	WFGB	70	11:25	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	3	0	0	0	0	0	0	0	0	0.52
1915	7/26/2012	WFGB	70	11:25	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	12	0	0	0	0	0	0	0	0	5.23
1916	7/26/2012	WFGB	70	11:25	First 5mins	bi-color damselfish	*Stegastes partitus*	H	230	0	0	0	0	0	0	0	0	75.18
1917	7/26/2012	WFGB	70	11:25	First 5mins	bluehead	*Thalassoma bifasciatum*	I	42	0	0	0	0	0	0	0	0	6.88
1918	7/26/2012	WFGB	70	11:25	First 5mins	brown chromis	*Chromis multilineata*	I	1500	0	0	0	0	0	0	0	0	849.81
1919	7/26/2012	WFGB	70	11:25	First 5mins	queen parrotfish	*Scarus vetula*	H	0	4	0	0	0	0	0	0	0	29.87
1920	7/26/2012	WFGB	70	11:25	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	6	1	0	0	0	0	0	0	134.19
1921	7/26/2012	WFGB	70	11:25	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	6	0	0	0	0	0	0	0	77.2
1922	7/26/2012	WFGB	70	11:25	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	12	0	0	0	0	0	0	0	0	3.42
1923	7/26/2012	WFGB	70	11:25	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
1924	7/26/2012	WFGB	70	11:25	First 5mins	creole wrasse	*Clepticus parrae*	PL	339	0	0	0	0	0	0	0	0	74.38
1925	7/26/2012	WFGB	70	11:25	First 5mins	purple reeffish	*Chromis scotti*	PL	10	0	0	0	0	0	0	0	0	3.06
1926	7/26/2012	WFGB	70	11:25	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	9	0	0	0	0	0	1055.23

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1927	7/26/2012	WFGB	70	11:25	First 5mins	black durgon	*Melichthys niger*	H	0	5	0	0	0	0	0	0	0	37.36
1928	7/26/2012	WFGB	70	11:25	First 5mins	striped parrotfish	*Scarus iseri*	H	12	0	0	0	0	0	0	0	0	3.62
1929	7/26/2012	WFGB	70	11:25	First 5mins	bar jack	*Carangoides ruber*	P	0	0	2	0	0	0	0	0	0	13.44
1930	7/26/2012	WFGB	70	11:25	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
1931	7/26/2012	WFGB	70	11:25	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	1	0	0	0	342.99
1932	7/26/2012	WFGB	70	11:25	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	30	0	0	0	0	0	0	0	0	3.44
1933	7/26/2012	WFGB	70	11:25	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	1	0	0	0	0	0	0	51.13
1934	7/26/2012	WFGB	70	11:25	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	2	0	0	0	262.04
1935	7/26/2012	WFGB	70	11:25	First 5mins	blue chromis	*Chromis cyanea*	PL	9	0	0	0	0	0	0	0	0	4.86
1936	7/26/2012	WFGB	70	11:25	First 5mins	black grouper	*Mycteroperca bonaci*	P	0	1	0	0	0	0	0	0	0	4.4
1937	7/26/2012	WFGB	70	11:25	First 5mins	pudding wife	*Halichoeres radiatus*	I	1	0	0	0	0	0	0	0	0	0.21
1938	7/26/2012	WFGB	67	11:32	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	2	1	0	0	0	0	139.29
1939	7/26/2012	WFGB	67	11:32	First 5mins	brown chromis	*Chromis multilineata*	I	500	300	0	0	0	0	0	0	0	4660.51
1940	7/26/2012	WFGB	67	11:32	First 5mins	bluehead	*Thalassoma bifasciatum*	I	5	0	0	0	0	0	0	0	0	0.82
1941	7/26/2012	WFGB	67	11:32	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	17	0	0	0	0	0	0	0	0	1.4
1942	7/26/2012	WFGB	67	11:32	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	0	0	0	0	0	0	0	0	0.48

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1943	7/26/2012	WFGB	67	11:32	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	0	0	0	0	0	0	0	0	0.29
1944	7/26/2012	WFGB	67	11:32	First 5mins	bi-color damselfish	*Stegastes partitus*	H	2	0	0	0	0	0	0	0	0	0.65
1945	7/26/2012	WFGB	67	11:32	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	1	0	0	0	0	0	94.86
1946	7/26/2012	WFGB	67	11:32	First 5mins	bar jack	*Carangoides ruber*	P	0	0	0	0	2	0	0	0	0	67.57
1947	7/26/2012	WFGB	67	11:32	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	4	0	0	0	0	0	468.99
1948	7/26/2012	WFGB	67	11:32	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	1	0	0	0	0	0	0	0	0	0.17
1949	7/26/2012	WFGB	67	11:32	First 5mins	sunshinefish	*Chromis insolata*	PL	6	2	0	0	0	0	0	0	0	23.55
1950	7/26/2012	WFGB	67	11:32	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
1951	7/26/2012	WFGB	67	11:32	First 5mins	rock beauty	*Holacanthus tricolor*	I	3	0	0	0	0	0	0	0	0	1.76
1952	7/26/2012	WFGB	67	11:32	First 5mins	purple reeffish	*Chromis scotti*	PL	18	0	0	0	0	0	0	0	0	5.52
1953	7/26/2012	WFGB	67	11:32	First 5mins	dusky damselfish	*Stegastes adustus*	H	11	0	0	0	0	0	0	0	0	5.71
1954	7/26/2012	WFGB	67	11:32	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	0	0	1	0	0	0	0	281.16
1955	7/26/2012	WFGB	67	11:32	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
1956	7/26/2012	WFGB	67	11:32	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1957	7/26/2012	WFGB	67	11:32	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	3	0	0	0	1028.97
1958	7/26/2012	WFGB	67	11:32	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	0	0	0	0	0	0	29.07

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1959	7/26/2012	WFGB	64	15:55	First 5mins	blue chromis	*Chromis cyanea*	PL	5	0	0	0	0	0	0	0	0	2.7
1960	7/26/2012	WFGB	64	15:55	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	4	0	0	0	0	0	0	0	0	0.7
1961	7/26/2012	WFGB	64	15:55	First 5mins	rock beauty	*Holacanthus tricolor*	I	2	0	0	0	0	0	0	0	0	1.17
1962	7/26/2012	WFGB	64	15:55	First 5mins	bluehead	*Thalassoma bifasciatum*	I	6	1	0	0	0	0	0	0	0	5.6
1963	7/26/2012	WFGB	64	15:55	First 5mins	brown chromis	*Chromis multilineata*	I	300	0	0	0	0	0	0	0	0	169.96
1964	7/26/2012	WFGB	64	15:55	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
1965	7/26/2012	WFGB	64	15:55	First 5mins	creole wrasse	*Clepticus parrae*	PL	50	1	0	0	0	0	0	0	0	17.18
1966	7/26/2012	WFGB	64	15:55	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	2	0	0	0	0	0	67.53
1967	7/26/2012	WFGB	64	15:55	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	4	0	0	0	0	0	0	0	51.56
1968	7/26/2012	WFGB	64	15:55	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
1969	7/26/2012	WFGB	64	15:55	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	3	0	0	0	0	0	0	0	0	0.86
1970	7/26/2012	WFGB	64	15:55	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	3	0	0	0	0	0	0	131.84
1971	7/26/2012	WFGB	64	15:55	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	0	0	0	0	0	0	0	0	0.24
1972	7/26/2012	WFGB	64	15:55	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
1973	7/26/2012	WFGB	64	15:55	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	2	0	0	0	0	0	0	0	24.68
1974	7/26/2012	WFGB	64	15:55	First 5mins	beaugregory	*Stegastes leucostictus*	I	1	2	0	0	0	0	0	0	0	20.79

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1975	7/26/2012	WFGB	64	15:55	First 5mins	queen parrotfish	*Scarus vetula*	H	2	1	0	1	0	0	0	0	0	102.88
1976	7/26/2012	WFGB	64	15:55	First 5mins	purple reeffish	*Chromis scotti*	PL	6	0	0	0	0	0	0	0	0	1.84
1977	7/26/2012	WFGB	64	15:55	First 5mins	chub	*Kyphosus sectator*	H	0	0	1	0	0	0	0	0	0	41.59
1978	7/26/2012	WFGB	64	15:55	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	0	0	1	0	0	0	0	0	0	31.48
1979	7/26/2012	WFGB	71	16:16	First 5mins	chub	*Kyphosus sectator*	H	0	3	13	0	0	0	0	0	0	566.6
1980	7/26/2012	WFGB	71	16:16	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	4	0	0	0	0	0	772.98
1981	7/26/2012	WFGB	71	16:16	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	6	0	0	0	0	0	0	0	0	0.5
1982	7/26/2012	WFGB	71	16:16	First 5mins	bluehead	*Thalassoma bifasciatum*	I	4	0	0	0	0	0	0	0	0	0.65
1983	7/26/2012	WFGB	71	16:16	First 5mins	Spanish hogfish	*Bodianus rufus*	I	1	0	0	0	0	0	0	0	0	0.24
1984	7/26/2012	WFGB	71	16:16	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	1	0	0	0	0	0	0	0	11.41
1985	7/26/2012	WFGB	71	16:16	First 5mins	creole wrasse	*Clepticus parrae*	PL	10	0	0	0	0	0	0	0	0	2.19
1986	7/26/2012	WFGB	71	16:16	First 5mins	creolefish	*Paranthias furcifer*	PL	0	2	0	0	0	0	0	0	0	12.42
1987	7/26/2012	WFGB	71	16:16	First 5mins	brown chromis	*Chromis multilineata*	I	59	0	0	0	0	0	0	0	0	33.43
1988	7/26/2012	WFGB	71	16:16	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	1	0	0	0	0	0	94.86
1989	7/26/2012	WFGB	71	16:16	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
1990	7/26/2012	WFGB	71	16:16	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	3	0	0	0	0	215.28

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
1991	7/26/2012	WFGB	71	16:16	First 5mins	blue chromis	*Chromis cyanea*	PL	6	0	0	0	0	0	0	0	0	3.24
1992	7/26/2012	WFGB	71	16:16	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
1993	7/26/2012	WFGB	71	16:16	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	4	0	0	0	0	0	607.08
1994	7/26/2012	WFGB	71	16:16	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
1995	7/26/2012	WFGB	71	16:16	First 5mins	rock beauty	*Holacanthus tricolor*	I	3	0	0	0	0	0	0	0	0	1.76
1996	7/26/2012	WFGB	71	16:16	First 5mins	purple reeffish	*Chromis scotti*	PL	5	0	0	0	0	0	0	0	0	1.53
1997	7/26/2012	WFGB	71	16:16	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
1998	7/26/2012	WFGB	69	16:30	First 5mins	porcupinefish	*Diodon hystrix*	I	0	0	1	0	0	0	0	0	0	167.22
1999	7/26/2012	WFGB	69	16:30	First 5mins	creolefish	*Paranthias furcifer*	PL	9	0	0	0	0	0	0	0	0	1.97
2000	7/26/2012	WFGB	69	16:30	First 5mins	brown chromis	*Chromis multilineata*	I	600	0	0	0	0	0	0	0	0	339.92
2001	7/26/2012	WFGB	69	16:30	First 5mins	queen parrotfish	*Scarus vetula*	H	0	10	0	0	0	0	0	0	0	74.67
2002	7/26/2012	WFGB	69	16:30	First 5mins	neon goby	*Elacatinus oceanops*	I	8	0	0	0	0	0	0	0	0	1.13
2003	7/26/2012	WFGB	69	16:30	First 5mins	striped parrotfish	*Scarus iseri*	H	36	0	0	0	0	0	0	0	0	10.87
2004	7/26/2012	WFGB	69	16:30	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	21	0	0	0	0	0	0	0	0	5.81
2005	7/26/2012	WFGB	69	16:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	38	0	0	0	0	0	0	0	0	6.22
2006	7/26/2012	WFGB	69	16:30	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	6	0	0	0	0	0	0	0	56.8

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2007	7/26/2012	WFGB	69	16:30	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	21	0	0	0	0	0	0	0	0	9.15
2008	7/26/2012	WFGB	69	16:30	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	2	0	0	0	0	0	0	0	23.79
2009	7/26/2012	WFGB	69	16:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	42	0	0	0	0	0	0	0	0	13.73
2010	7/26/2012	WFGB	69	16:30	First 5mins	tiger grouper	*Mycteroperca tigris*	P	1	0	0	0	0	0	0	0	0	0.16
2011	7/26/2012	WFGB	69	16:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	18	0	0	0	0	0	0	0	0	4.28
2012	7/26/2012	WFGB	69	16:30	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	6	0	1	0	0	0	0	0	228.43
2013	7/26/2012	WFGB	69	16:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	12	0	0	0	0	0	0	0	154.41
2014	7/26/2012	WFGB	69	16:30	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	0	0	0	0	0	0	0	0	1.29
2015	7/26/2012	WFGB	69	16:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	14	0	0	0	0	0	0	0	0	4
2016	7/26/2012	WFGB	69	16:30	First 5mins	dusky damselfish	*Stegastes adustus*	H	20	0	0	0	0	0	0	0	0	10.39
2017	7/26/2012	WFGB	69	16:30	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	12	0	0	0	0	0	0	0	74.53
2018	7/26/2012	WFGB	69	16:30	First 5mins	threespot damselfish	*Stegastes planifrons*	I	16	0	0	0	0	0	0	0	0	8.31
2019	7/26/2012	WFGB	69	16:30	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	1	0	0	0	0	0	0	0	11.95
2020	7/26/2012	WFGB	69	16:30	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	2	0	0	0	0	0	0	61.1
2021	7/26/2012	WFGB	69	16:30	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
2022	7/26/2012	WFGB	69	16:30	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	6	0	0	0	0	0	703.49

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2023	7/26/2012	WFGB	69	16:30	First 5mins	sergeant major	*Abudefduf saxatilis*	I	1	0	0	0	0	0	0	0	0	0.3
2024	7/26/2012	WFGB	69	16:30	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	111	0	0	0	0	0	0	0	0	19.34
2025	7/26/2012	WFGB	69	16:30	First 5mins	blue chromis	*Chromis cyanea*	PL	20	0	0	0	0	0	0	0	0	10.8
2026	7/26/2012	WFGB	68	16:35	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	2	1	0	0	0	0	0	0	0	12.7
2027	7/26/2012	WFGB	68	16:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	0	20	0	13	1	0	0	0	0	1363.77
2028	7/26/2012	WFGB	68	16:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	4	4	0	0	0	0	0	0	0	50.02
2029	7/26/2012	WFGB	68	16:35	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99
2030	7/26/2012	WFGB	68	16:35	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	0	0	2	0	1	0	0	1010.84
2031	7/26/2012	WFGB	68	16:35	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	0	0	1	0	0	0	0	201.61
2032	7/26/2012	WFGB	68	16:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	5	3	0	0	0	0	0	0	0	32.92
2033	7/26/2012	WFGB	68	16:35	First 5mins	brown chromis	*Chromis multilineata*	I	50	20	0	0	0	0	0	0	0	320.14
2034	7/26/2012	WFGB	68	16:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	50	0	0	0	0	0	0	1469.61
2035	7/26/2012	WFGB	68	16:35	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	2	0	0	1170.78
2036	7/26/2012	WFGB	68	16:35	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	10	2	0	0	0	0	0	0	0	24
2037	7/26/2012	WFGB	68	16:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	0	1	2	0	0	0	0	0	0	71.56

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2038	7/26/2012	WFGB	68	16:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	10	2	0	0	0	0	0	0	0	10.87
2039	7/26/2012	WFGB	68	16:35	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
2040	7/26/2012	WFGB	68	16:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	2	0	0	0	0	0	0	0	15.79
2041	7/26/2012	WFGB	68	16:35	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
2042	7/26/2012	WFGB	68	16:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	5	50	4	4231.34
2043	7/26/2012	WFGB	68	16:35	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	6	0	0	0	0	0	0	0	0	1.72
2044	7/26/2012	WFGB	68	16:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	12	0	1	1	0	0	2667.84
2045	7/26/2012	WFGB	68	16:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	3	0	0	0	0	0	0	0	38.6
2046	7/26/2012	WFGB	68	16:35	First 5mins	blue chromis	*Chromis cyanea*	PL	2	0	0	0	0	0	0	0	0	1.08
2047	7/26/2012	WFGB	68	16:35	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	0	0	1	0	0	0	0	0	110.94
2048	7/26/2012	WFGB	63	17:00	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	12	1	0	0	0	0	0	0	0	12.55
2049	7/26/2012	WFGB	63	17:00	First 5mins	black grouper	*Mycteroperca bonaci*	P	0	1	0	0	0	0	0	0	0	4.4
2050	7/26/2012	WFGB	63	17:00	First 5mins	blue tang	*Acanthurus coeruleus*	H	6	0	0	0	0	0	0	0	0	2.86
2051	7/26/2012	WFGB	63	17:00	First 5mins	yellowhead wrasse	*Halichoeres garnoti*	I	5	0	0	0	0	0	0	0	0	0.57
2052	7/26/2012	WFGB	63	17:00	First 5mins	bluehead	*Thalassoma bifasciatum*	I	36	0	0	0	0	0	0	0	0	5.89
2053	7/26/2012	WFGB	63	17:00	First 5mins	threespot damselfish	*Stegastes planifrons*	I	0	4	0	0	0	0	0	0	0	47.95

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2054	7/26/2012	WFGB	63	17:00	First 5mins	creole wrasse	*Clepticus parrae*	PL	18	9	0	0	0	0	0	0	0	59.85
2055	7/26/2012	WFGB	63	17:00	First 5mins	black durgon	*Melichthys niger*	H	0	8	0	0	0	0	0	0	0	59.77
2056	7/26/2012	WFGB	63	17:00	First 5mins	Spanish hogfish	*Bodianus rufus*	I	6	0	0	0	0	0	0	0	0	1.43
2057	7/26/2012	WFGB	63	17:00	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	0	2	0	0	0	0	0	0	0	23.79
2058	7/26/2012	WFGB	63	17:00	First 5mins	brown chromis	*Chromis multilineata*	I	118	0	0	0	0	0	0	0	0	66.85
2059	7/26/2012	WFGB	63	17:00	First 5mins	dusky damselfish	*Stegastes adustus*	H	20	0	0	0	0	0	0	0	0	10.39
2060	7/26/2012	WFGB	63	17:00	First 5mins	gray snapper	*Lutjanus griseus*	I	0	2	0	0	0	0	0	0	0	13.61
2061	7/26/2012	WFGB	63	17:00	First 5mins	redspotted hawkfish	*Amblycirrhitus pinos*	I	1	0	0	0	0	0	0	0	0	0.06
2062	7/26/2012	WFGB	63	17:00	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	24	0	0	0	0	0	0	0	0	10.45
2063	7/26/2012	WFGB	63	17:00	First 5mins	blue chromis	*Chromis cyanea*	PL	20	0	0	0	0	0	0	0	0	10.8
2064	7/26/2012	WFGB	63	17:00	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	32	0	0	0	0	0	0	0	0	8.85
2065	7/26/2012	WFGB	63	17:00	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	4	0	0	0	0	0	0	0	37.87
2066	7/26/2012	WFGB	63	17:00	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	9	0	0	0	0	0	0	0	0	2.57
2067	7/26/2012	WFGB	63	17:00	First 5mins	neon goby	*Elacatinus oceanops*	I	18	0	0	0	0	0	0	0	0	2.55
2068	7/26/2012	WFGB	63	17:00	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	1	0	0	0	0	0	0	49.5
2069	7/26/2012	WFGB	63	17:00	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	4	1	0	0	0	0	0	0	108.41

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2070	7/26/2012	WFGB	63	17:00	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
2071	7/26/2012	WFGB	63	17:00	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	2	0	0	0	262.04
2072	7/26/2012	WFGB	63	17:00	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	1	0	0	0	0	0	80.75
2073	7/26/2012	WFGB	63	17:00	First 5mins	chub	*Kyphosus sectator*	H	0	0	36	0	0	0	0	0	0	1497.39
2074	7/26/2012	WFGB	67	17:03	First 5mins	dusky damselfish	*Stegastes adustus*	H	3	0	0	0	0	0	0	0	0	1.56
2075	7/26/2012	WFGB	67	17:03	First 5mins	bluehead	*Thalassoma bifasciatum*	I	39	4	0	0	0	0	0	0	0	24.86
2076	7/26/2012	WFGB	67	17:03	First 5mins	threespot damselfish	*Stegastes planifrons*	I	9	4	0	0	0	0	0	0	0	52.62
2077	7/26/2012	WFGB	67	17:03	First 5mins	brown chromis	*Chromis multilineata*	I	203	7	0	0	0	0	0	0	0	217.14
2078	7/26/2012	WFGB	67	17:03	First 5mins	creole wrasse	*Clepticus parrae*	PL	92	5	9	0	0	0	0	0	0	315.77
2079	7/26/2012	WFGB	67	17:03	First 5mins	creolefish	*Paranthias furcifer*	PL	0	3	4	0	0	0	0	0	0	136.2
2080	7/26/2012	WFGB	67	17:03	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	2	0	0	0	0	0	0	0	18.27
2081	7/26/2012	WFGB	67	17:03	First 5mins	bi-color damselfish	*Stegastes partitus*	H	17	2	0	0	0	0	0	0	0	26.42
2082	7/26/2012	WFGB	67	17:03	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	3	0	0	0	0	0	0	178.71
2083	7/26/2012	WFGB	67	17:03	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	0	2	0	0	0	0	0	0	80.47
2084	7/26/2012	WFGB	67	17:03	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	2	0	0	0	0	0	40	1	1693.74
2085	7/26/2012	WFGB	67	17:03	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	1	0	0	0	0	0	0	0	12.99

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2086	7/26/2012	WFGB	67	17:03	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	4	2	0	0	0	0	0	0	92.46
2087	7/26/2012	WFGB	67	17:03	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	60	2	2721.6
2088	7/26/2012	WFGB	67	17:03	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	3	0	0	0	0	762.77
2089	7/26/2012	WFGB	67	17:03	First 5mins	purple reeffish	*Chromis scotti*	PL	11	0	0	0	0	0	0	0	0	3.37
2090	7/26/2012	WFGB	67	17:03	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	8	0	0	0	0	0	0	0	0	2.28
2091	7/26/2012	WFGB	67	17:03	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	2	0	0	0	0	0	0	0	0	0.98
2092	7/26/2012	WFGB	67	17:03	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	1	1	0	0	0	0	0	111.07
2093	7/26/2012	WFGB	67	17:03	First 5mins	queen parrotfish	*Scarus vetula*	H	0	0	1	0	0	1	0	0	0	402.68
2094	7/26/2012	WFGB	67	17:03	First 5mins	sunshinefish	*Chromis insolata*	PL	7	0	0	0	0	0	0	0	0	2.87
2095	7/26/2012	WFGB	67	17:03	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	4	0	0	0	0	0	0	0	0	1.15
2096	7/26/2012	WFGB	67	17:03	First 5mins	neon goby	*Elacatinus oceanops*	I	2	0	0	0	0	0	0	0	0	0.28
2097	7/26/2012	WFGB	69	17:30	First 5mins	roughhead blenny	*Acanthemblemaria aspera*	PL	1	0	0	0	0	0	0	0	0	0.12
2098	7/26/2012	WFGB	69	17:30	First 5mins	brown chromis	*Chromis multilineata*	I	54	0	0	0	0	0	0	0	0	30.59
2099	7/26/2012	WFGB	69	17:30	First 5mins	bluehead	*Thalassoma bifasciatum*	I	38	2	0	0	0	0	0	0	0	15.46
2100	7/26/2012	WFGB	69	17:30	First 5mins	blue chromis	*Chromis cyanea*	PL	3	0	0	0	0	0	0	0	0	1.62

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2101	7/26/2012	WFGB	69	17:30	First 5mins	blue tang	*Acanthurus coeruleus*	H	1	0	0	0	0	0	0	0	0	0.48
2102	7/26/2012	WFGB	69	17:30	First 5mins	creole wrasse	*Clepticus parrae*	PL	109	3	5	0	0	0	0	0	0	189.51
2103	7/26/2012	WFGB	69	17:30	First 5mins	bi-color damselfish	*Stegastes partitus*	H	16	0	0	0	0	0	0	0	0	5.23
2104	7/26/2012	WFGB	69	17:30	First 5mins	creolefish	*Paranthias furcifer*	PL	0	1	24	0	0	0	0	0	0	711.62
2105	7/26/2012	WFGB	69	17:30	First 5mins	black durgon	*Melichthys niger*	H	0	0	0	2	0	0	0	0	0	303.54
2106	7/26/2012	WFGB	69	17:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	1	787.5
2107	7/26/2012	WFGB	69	17:30	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	45	2	1148.18
2108	7/26/2012	WFGB	69	17:30	First 5mins	orange spotted filefish	*Cantherhines pullus*	I	0	2	0	0	0	0	0	0	0	23.89
2109	7/26/2012	WFGB	69	17:30	First 5mins	sunshinefish	*Chromis insolata*	PL	9	0	0	0	0	0	0	0	0	3.69
2110	7/26/2012	WFGB	69	17:30	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	1	2	0	0	0	5	1	0	0	3747.02
2111	7/26/2012	WFGB	69	17:30	First 5mins	honeycomb cowfish	*Acanthostracion polygonius*	I	0	0	0	0	0	0	1	0	0	614.47
2112	7/26/2012	WFGB	69	17:30	First 5mins	threespot damselfish	*Stegastes planifrons*	I	12	1	0	0	0	0	0	0	0	18.22
2113	7/26/2012	WFGB	69	17:30	First 5mins	neon goby	*Elacatinus oceanops*	I	8	0	0	0	0	0	0	0	0	1.13
2114	7/26/2012	WFGB	69	17:30	First 5mins	purple reeffish	*Chromis scotti*	PL	8	3	0	0	0	0	0	0	0	26.13
2115	7/26/2012	WFGB	69	17:30	First 5mins	Spanish hogfish	*Bodianus rufus*	I	5	5	1	1	0	0	0	0	0	158.04
2116	7/26/2012	WFGB	69	17:30	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2117	7/26/2012	WFGB	69	17:30	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	1	0	0	0	0	0	0	0	0	0.29
2118	7/26/2012	WFGB	69	17:30	First 5mins	yellow goatfish	*Mulloidichthys martinicus*	I	0	1	0	0	0	0	0	0	0	8.73
2119	7/26/2012	WFGB	69	17:30	First 5mins	queen parrotfish	*Scarus vetula*	H	0	2	2	0	0	1	2	0	0	1667.4
2120	7/26/2012	WFGB	69	17:30	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	8	0	0	0	0	0	0	0	0	2.28
2121	7/26/2012	WFGB	69	17:30	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	1	1	0	0	0	0	0	0	0	10.26
2122	7/26/2012	WFGB	69	17:30	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	2	0	0	0	0	0	0	58.14
2123	7/26/2012	WFGB	69	17:30	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	1	0	0	0	0	0	0	43.95
2124	7/26/2012	WFGB	69	17:30	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	4	1	1	0	0	0	0	0	0	50.21
2125	7/26/2012	WFGB	68	17:58	First 5mins	honeycomb cowfish	*Acanthostracion polygonius*	I	0	0	0	0	0	0	1	0	0	614.47
2126	7/26/2012	WFGB	68	17:58	First 5mins	dog snapper	*Lutjanus jocu*	P	1	0	0	0	0	0	0	0	0	0.16
2127	7/26/2012	WFGB	68	17:58	First 5mins	creolefish	*Paranthias furcifer*	PL	0	0	0	40	0	0	0	0	0	3273.09
2128	7/26/2012	WFGB	68	17:58	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	0	5	0	0	0	0	1271.28
2129	7/26/2012	WFGB	68	17:58	First 5mins	queen parrotfish	*Scarus vetula*	H	0	1	0	0	0	0	0	0	0	7.47
2130	7/26/2012	WFGB	68	17:58	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	1	1	3	0	0	0	0	1148.55
2131	7/26/2012	WFGB	68	17:58	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	2	0	0	0	0	0	0	0	26.07
2132	7/26/2012	WFGB	68	17:58	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	2	0	0	0	0	0	0	0	25.73

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2133	7/26/2012	WFGB	68	17:58	First 5mins	redlip blenny	*Ophioblennius macclurei*	H	3	0	0	0	0	0	0	0	0	0.86
2134	7/26/2012	WFGB	68	17:58	First 5mins	brown chromis	*Chromis multilineata*	I	0	3	0	0	0	0	0	0	0	43.77
2135	7/26/2012	WFGB	68	17:58	First 5mins	creole wrasse	*Clepticus parrae*	PL	75	0	7	0	0	0	0	0	0	222.2
2136	7/26/2012	WFGB	68	17:58	First 5mins	bluehead	*Thalassoma bifasciatum*	I	16	2	0	0	0	0	0	0	0	11.86
2137	7/26/2012	WFGB	68	17:58	First 5mins	black durgon	*Melichthys niger*	H	0	0	2	0	0	0	0	0	0	91.81
2138	7/26/2012	WFGB	68	17:58	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	1	0	0	0	0	0	0	0	9.13
2139	7/26/2012	WFGB	68	17:58	First 5mins	blue chromis	*Chromis cyanea*	PL	8	0	0	0	0	0	0	0	0	4.32
2140	7/26/2012	WFGB	68	17:58	First 5mins	blue angelfish	*Holacanthus bermudensis*	I	0	1	0	0	0	0	0	0	0	10.98
2141	7/26/2012	WFGB	68	17:58	First 5mins	threespot damselfish	*Stegastes planifrons*	I	6	3	0	0	0	0	0	0	0	39.08
2142	7/26/2012	WFGB	68	17:58	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	4	50	9	7952.57
2143	7/26/2012	WFGB	68	17:58	First 5mins	French angelfish	*Pomacanthus paru*	I	0	0	0	0	1	0	0	0	0	342.31
2144	7/26/2012	WFGB	68	17:58	First 5mins	Spanish hogfish	*Bodianus rufus*	I	2	1	0	0	0	0	0	0	0	7.28
2145	7/26/2012	WFGB	74	8:10	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	2	0	0	0	0	0	0	0	0	0.98
2146	7/26/2012	WFGB	74	8:10	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	4	0	0	0	0	0	0	0	0	1.68
2147	7/26/2012	WFGB	74	8:10	First 5mins	blue chromis	*Chromis cyanea*	PL	14	0	0	0	0	0	0	0	0	7.56

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2148	7/26/2012	WFGB	74	8:10	First 5mins	brown chromis	*Chromis multilineata*	I	346	0	0	0	0	0	0	0	0	196.02
2149	7/26/2012	WFGB	74	8:10	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	14	0	0	0	0	0	1641.48
2150	7/26/2012	WFGB	74	8:10	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	24	0	0	0	0	0	0	0	0	10.45
2151	7/26/2012	WFGB	74	8:10	First 5mins	bluehead	*Thalassoma bifasciatum*	I	17	0	0	0	0	0	0	0	0	2.78
2152	7/26/2012	WFGB	74	8:10	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	6	0	1	0	0	0	0	0	0	36.23
2153	7/26/2012	WFGB	74	8:10	First 5mins	Spanish hogfish	*Bodianus rufus*	I	7	3	1	0	0	0	0	0	0	54.46
2154	7/26/2012	WFGB	74	8:10	First 5mins	dusky damselfish	*Stegastes adustus*	H	8	0	0	0	0	0	0	0	0	4.16
2155	7/26/2012	WFGB	74	8:10	First 5mins	threespot damselfish	*Stegastes planifrons*	I	7	0	0	0	0	0	0	0	0	3.64
2156	7/26/2012	WFGB	74	8:10	First 5mins	blue runner	*Caranx crysos*	P	0	0	0	23	0	0	0	0	0	2659.69
2157	7/26/2012	WFGB	74	8:10	First 5mins	black grouper	*Mycteroperca bonaci*	P	0	0	0	1	0	0	0	0	0	66.49
2158	7/26/2012	WFGB	74	8:10	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	15	0	0	0	0	0	0	0	0	4.83
2159	7/26/2012	WFGB	74	8:10	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
2160	7/26/2012	WFGB	74	8:10	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	4	0	0	0	0	0	0	0	51.47
2161	7/26/2012	WFGB	74	8:10	First 5mins	bi-color damselfish	*Stegastes partitus*	H	36	0	0	0	0	0	0	0	0	11.77
2162	7/26/2012	WFGB	74	8:10	First 5mins	black durgon	*Melichthys niger*	H	0	0	5	0	0	0	0	0	0	229.52
2163	7/26/2012	WFGB	74	8:10	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	2	3	1	0	0	0	0	0	347.42

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2164	7/26/2012	WFGB	74	8:10	First 5mins	purple reeffish	*Chromis scotti*	PL	12	0	0	0	0	0	0	0	0	3.68
2165	7/26/2012	WFGB	74	8:10	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71
2166	7/26/2012	WFGB	70	8:35	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	62	0	0	0	0	0	0	0	0	17.15
2167	7/26/2012	WFGB	70	8:35	First 5mins	bluehead	*Thalassoma bifasciatum*	I	36	0	0	0	0	0	0	0	0	5.89
2168	7/26/2012	WFGB	70	8:35	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	0	0	0	0	0	0	0	6.02
2169	7/26/2012	WFGB	70	8:35	First 5mins	neon goby	*Elacatinus oceanops*	I	18	0	0	0	0	0	0	0	0	2.55
2170	7/26/2012	WFGB	70	8:35	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	4	1	0	1	0	0	0	0	421.95
2171	7/26/2012	WFGB	70	8:35	First 5mins	yellowtail damselfish	*Microspathodon chrysurus*	H	6	0	0	0	0	0	0	0	0	2.42
2172	7/26/2012	WFGB	70	8:35	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	12	0	0	0	0	0	0	0	0	5.23
2173	7/26/2012	WFGB	70	8:35	First 5mins	dusky damselfish	*Stegastes adustus*	H	12	0	0	0	0	0	0	0	0	6.23
2174	7/26/2012	WFGB	70	8:35	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	1	2	45	1	1137.64
2175	7/26/2012	WFGB	70	8:35	First 5mins	chub	*Kyphosus sectator*	H	0	0	23	0	0	0	0	0	0	956.67
2176	7/26/2012	WFGB	70	8:35	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	0	5	0	0	0	0	0	0	0	43.45
2177	7/26/2012	WFGB	70	8:35	First 5mins	brown chromis	*Chromis multilineata*	I	1117	0	0	0	0	0	0	0	0	632.83
2178	7/26/2012	WFGB	70	8:35	First 5mins	queen parrotfish	*Scarus vetula*	H	6	4	0	1	0	0	0	0	0	126.39

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2179	7/26/2012	WFGB	70	8:35	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	6	0	0	0	0	0	0	0	77.2
2180	7/26/2012	WFGB	70	8:35	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	1	0	0	585.39
2181	7/26/2012	WFGB	70	8:35	First 5mins	ocean triggerfish	*Canthidermis sufflamen*	I	0	0	0	1	0	0	0	0	0	116.3
2182	7/26/2012	WFGB	70	8:35	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	1	0	0	0	0	0	0	0	0	0.48
2183	7/26/2012	WFGB	70	8:35	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	26	0	0	0	0	0	0	0	0	7.42
2184	7/26/2012	WFGB	70	8:35	First 5mins	blue chromis	*Chromis cyanea*	PL	12	0	0	0	0	0	0	0	0	6.48
2185	7/26/2012	WFGB	70	8:35	First 5mins	purple reeffish	*Chromis scotti*	PL	42	0	0	0	0	0	0	0	0	12.87
2186	7/26/2012	WFGB	70	8:35	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	1	0	0	0	0	0	0	33.09
2187	7/26/2012	WFGB	70	8:35	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	6	0	0	0	0	0	0	0	56.8
2188	7/26/2012	WFGB	70	8:35	First 5mins	horse-eye jack	*Caranx latus*	P	0	0	0	0	0	0	1	0	0	649.4
2189	7/26/2012	WFGB	70	8:35	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	2	0	0	0	0	0	0	0	0	0.84
2190	7/26/2012	WFGB	70	8:35	First 5mins	creolefish	*Paranthias furcifer*	PL	0	64	0	0	0	0	0	0	0	397.49
2191	7/26/2012	WFGB	70	8:35	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
2192	7/26/2012	WFGB	70	8:35	First 5mins	bi-color damselfish	*Stegastes partitus*	H	36	0	0	0	0	0	0	0	0	11.77
2193	7/26/2012	WFGB	70	8:35	First 5mins	threespot damselfish	*Stegastes planifrons*	I	12	0	0	0	0	0	0	0	0	6.23
2194	7/26/2012	WFGB	70	8:35	First 5mins	creole wrasse	*Clepticus parrae*	PL	239	0	0	0	0	0	0	0	0	52.44

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2195	7/26/2012	WFGB	70	8:35	First 5mins	Cubera snapper	*Lutjanus cyanopterus*	P	0	0	2	0	0	0	0	0	0	26.83
2196	7/26/2012	WFGB	70	8:35	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	4	0	0	0	0	0	0	0	0	0.7
2197	7/26/2012	WFGB	70	8:35	First 5mins	sergeant major	*Abudefduf saxatilis*	I	0	3	0	0	0	0	0	0	0	27.4
2198	7/27/2012	WFGB	70	7:18	First 5mins	creole wrasse	*Clepticus parrae*	PL	111	0	40	0	0	0	0	0	0	1200.04
2199	7/27/2012	WFGB	70	7:18	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	2	0	0	0	0	143.52
2200	7/27/2012	WFGB	70	7:18	First 5mins	black durgon	*Melichthys niger*	H	0	1	1	0	0	0	0	0	0	53.37
2201	7/27/2012	WFGB	70	7:18	First 5mins	bluehead	*Thalassoma bifasciatum*	I	5	0	0	0	0	0	0	0	0	0.82
2202	7/27/2012	WFGB	70	7:18	First 5mins	bucktooth parrotfish	*Sparisoma radians*	H	1	0	0	0	0	0	0	0	0	0.2
2203	7/27/2012	WFGB	70	7:18	First 5mins	graysby	*Cephalopholis cruentata*	P	0	3	0	0	0	0	0	0	0	18.07
2204	7/27/2012	WFGB	70	7:18	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	0	1	0	0	0	0	0	0	0	12.99
2205	7/27/2012	WFGB	70	7:18	First 5mins	blue tang	*Acanthurus coeruleus*	H	2	2	0	0	0	0	0	0	0	26.69
2206	7/27/2012	WFGB	70	7:18	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	1	0	0	0	0	0	0	0	0	0.29
2207	7/27/2012	WFGB	70	7:18	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	3	0	0	0	0	0	0	0	0	0.25
2208	7/27/2012	WFGB	70	7:18	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	3	0	0	0	0	0	0	0	0	0.52
2209	7/27/2012	WFGB	70	7:18	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	0	0	0	0	0	0	0.71

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2210	7/27/2012	WFGB	70	7:18	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	3	0	0	0	0	0	0	0	0	1.31
2211	7/27/2012	WFGB	70	7:18	First 5mins	purple reeffish	*Chromis scotti*	PL	4	0	0	0	0	0	0	0	0	1.23
2212	7/27/2012	WFGB	70	7:18	First 5mins	bi-color damselfish	*Stegastes partitus*	H	3	0	0	0	0	0	0	0	0	0.98
2213	7/27/2012	WFGB	70	7:18	First 5mins	brown chromis	*Chromis multilineata*	I	100	0	0	0	0	0	0	0	0	56.65
2214	7/27/2012	WFGB	70	7:18	First 5mins	chub	*Kyphosus sectator*	H	0	0	3	0	0	0	0	0	0	124.78
2215	7/27/2012	WFGB	70	7:18	First 5mins	creolefish	*Paranthias furcifer*	PL	1	5	2	0	0	0	0	0	0	90.06
2216	7/27/2012	WFGB	70	7:18	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	5	0	0	0	0	0	0	219.73
2217	7/27/2012	WFGB	70	7:18	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	1	1	0	0	0	0	0	0	0	9.01
2218	7/27/2012	WFGB	70	7:18	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	0	5	0	0	0	0	0	0	0	61.71
2219	7/27/2012	WFGB	70	7:18	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	0	0	0	45	1	1658.44
2220	7/27/2012	WFGB	70	7:18	First 5mins	sunshinefish	*Chromis insolata*	PL	3	0	0	0	0	0	0	0	0	1.23
2221	7/27/2012	WFGB	70	7:18	First 5mins	neon goby	*Elacatinus oceanops*	I	1	0	0	0	0	0	0	0	0	0.14
2222	7/27/2012	WFGB	66	7:42	First 5mins	graysby	*Cephalopholis cruentata*	P	0	1	0	0	0	0	0	0	0	6.02
2223	7/27/2012	WFGB	66	7:42	First 5mins	goldentail moray	*Gymnothorax miliaris*	I	0	2	0	0	0	0	0	0	0	0.39
2224	7/27/2012	WFGB	66	7:42	First 5mins	black durgon	*Melichthys niger*	H	0	0	3	0	0	0	0	0	0	137.71
2225	7/27/2012	WFGB	66	7:42	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	1	0	0	0	0	180.47

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2226	7/27/2012	WFGB	66	7:42	First 5mins	creole wrasse	*Clepticus parrae*	PL	20	2	0	0	0	0	0	0	0	16.81
2227	7/27/2012	WFGB	66	7:42	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	50	1	787.5
2228	7/27/2012	WFGB	66	7:42	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	1	0	8	0	0	0	60	1	1633.57
2229	7/27/2012	WFGB	66	7:42	First 5mins	chub	*Kyphosus sectator*	H	0	6	100	0	0	0	0	0	0	4211.16
2230	7/27/2012	WFGB	66	7:42	First 5mins	queen parrotfish	*Scarus vetula*	H	0	4	0	0	0	0	0	0	0	29.87
2231	7/27/2012	WFGB	66	7:42	First 5mins	bluehead	*Thalassoma bifasciatum*	I	5	0	0	0	0	0	0	0	0	0.82
2232	7/27/2012	WFGB	66	7:42	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	3	0	0	0	0	0	0	0	0	0.25
2233	7/27/2012	WFGB	66	7:42	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	0	0	1	0	0	0	0	0	0	34.57
2234	7/27/2012	WFGB	66	7:42	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	2	0	0	0	0	0	0	0	0	0.35
2235	7/27/2012	WFGB	66	7:42	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	3	0	0	0	0	0	0	0	0	1.26
2236	7/27/2012	WFGB	66	7:42	First 5mins	bi-color damselfish	*Stegastes partitus*	H	7	0	0	0	0	0	0	0	0	2.29
2237	7/27/2012	WFGB	66	7:42	First 5mins	rock beauty	*Holacanthus tricolor*	I	2	1	0	0	0	0	0	0	0	14.74
2238	7/27/2012	WFGB	66	7:42	First 5mins	brown chromis	*Chromis multilineata*	I	76	0	0	0	0	0	0	0	0	43.06
2239	7/27/2012	WFGB	66	7:42	First 5mins	sunshinefish	*Chromis insolata*	PL	2	0	0	0	0	0	0	0	0	0.82
2240	7/27/2012	WFGB	66	7:42	First 5mins	Spanish hogfish	*Bodianus rufus*	I	4	0	0	0	0	0	0	0	0	0.95

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2241	7/27/2012	WFGB	66	7:42	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	2	0	0	0	0	0	0	0	0	0.57
2242	7/27/2012	WFGB	66	7:42	First 5mins	doctorfish	*Acanthurus chirurgus*	H	0	0	1	0	0	0	0	0	0	43.95
2243	7/27/2012	WFGB	66	7:42	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	0	2	0	0	0	0	0	0	119.14
2244	7/27/2012	WFGB	66	7:42	First 5mins	dusky damselfish	*Stegastes adustus*	H	3	0	0	0	0	0	0	0	0	1.56
2245	7/27/2012	WFGB	66	7:42	First 5mins	purple reeffish	*Chromis scotti*	PL	4	0	0	0	0	0	0	0	0	1.23
2246	7/27/2012	WFGB	66	7:42	First 5mins	honeycomb cowfish	*Acanthostracion polygonius*	I	0	0	1	0	0	0	0	0	0	34.96
2247	7/27/2012	WFGB	66	7:42	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	0	0	45	1	574.09
2248	7/27/2012	WFGB	70	8:05	First 5mins	clown wrasse	*Halichoeres maculipinna*	I	0	1	0	0	0	0	0	0	0	4.77
2249	7/27/2012	WFGB	70	8:05	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	2	0	0	0	0	0	0	0	0	0.35
2250	7/27/2012	WFGB	70	8:05	First 5mins	threespot damselfish	*Stegastes planifrons*	I	7	0	0	0	0	0	0	0	0	3.64
2251	7/27/2012	WFGB	70	8:05	First 5mins	porcupinefish	*Diodon hystrix*	I	0	0	0	1	0	0	0	0	0	359.65
2252	7/27/2012	WFGB	70	8:05	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	7	0	0	0	0	0	0	0	90.07
2253	7/27/2012	WFGB	70	8:05	First 5mins	gray snapper	*Lutjanus griseus*	I	0	0	0	2	0	0	0	0	0	164.3
2254	7/27/2012	WFGB	70	8:05	First 5mins	graysby	*Cephalopholis cruentata*	P	0	0	2	1	0	0	0	0	0	140.15
2255	7/27/2012	WFGB	70	8:05	First 5mins	reef butterflyfish	*Chaetodon sedentarius*	I	4	0	0	0	0	0	0	0	0	1.68

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2256	7/27/2012	WFGB	70	8:05	First 5mins	brown chromis	*Chromis multilineata*	I	452	0	0	0	0	0	0	0	0	256.08
2257	7/27/2012	WFGB	70	8:05	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	22	0	0	0	0	0	0	0	0	9.58
2258	7/27/2012	WFGB	70	8:05	First 5mins	Spanish hogfish	*Bodianus rufus*	I	3	0	0	0	0	0	0	0	0	0.71
2259	7/27/2012	WFGB	70	8:05	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	0	1	2	0	0	563.55
2260	7/27/2012	WFGB	70	8:05	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	1	0	0	0	0	0	0	0	0	0.28
2261	7/27/2012	WFGB	70	8:05	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	6	0	0	0	0	0	0	0	0	1.71
2262	7/27/2012	WFGB	70	8:05	First 5mins	purple reeffish	*Chromis scotti*	PL	18	0	0	0	0	0	0	0	0	5.52
2263	7/27/2012	WFGB	70	8:05	First 5mins	dusky damselfish	*Stegastes adustus*	H	12	0	0	0	0	0	0	0	0	6.23
2264	7/27/2012	WFGB	70	8:05	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	3	0	0	0	0	0	0	0	28.4
2265	7/27/2012	WFGB	70	8:05	First 5mins	stoplight parrotfish	*Sparisoma viride*	H	0	0	0	1	0	0	0	0	0	151.09
2266	7/27/2012	WFGB	70	8:05	First 5mins	blue chromis	*Chromis cyanea*	PL	14	0	0	0	0	0	0	0	0	7.56
2267	7/27/2012	WFGB	70	8:05	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	2	0	0	0	0	0	0	0	27.13
2268	7/27/2012	WFGB	70	8:05	First 5mins	bluehead	*Thalassoma bifasciatum*	I	47	0	0	0	0	0	0	0	0	7.69
2269	7/27/2012	WFGB	70	8:05	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
2270	7/27/2012	WFGB	70	8:05	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	32	0	0	0	0	0	0	0	0	8.85
2271	7/27/2012	WFGB	70	8:05	First 5mins	black grouper	*Mycteroperca bonaci*	P	0	0	0	0	0	0	0	45	1	1372.13

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2272	7/27/2012	WFGB	70	8:05	First 5mins	dog snapper	*Lutjanus jocu*	P	0	0	0	0	1	0	0	0	0	180.47
2273	7/27/2012	WFGB	70	8:05	First 5mins	queen parrotfish	*Scarus vetula*	H	0	4	0	0	0	0	0	0	0	29.87
2274	7/27/2012	WFGB	70	8:05	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	3	0	0	0	0	0	0	0	0	0.97
2275	7/27/2012	WFGB	70	8:05	First 5mins	creolefish	*Paranthias furcifer*	PL	0	5	0	0	0	0	0	0	0	31.05
2276	7/27/2012	WFGB	70	8:05	First 5mins	creole wrasse	*Clepticus parrae*	PL	111	0	0	0	0	0	0	0	0	24.36
2277	7/27/2012	WFGB	70	8:05	First 5mins	bar jack	*Carangoides ruber*	P	0	69	0	0	0	0	0	0	0	113.88
2278	7/27/2012	WFGB	70	8:05	First 5mins	chub	*Kyphosus sectator*	H	0	0	0	9	0	0	0	0	0	1055.23
2279	7/27/2012	WFGB	69	8:37	First 5mins	chub	*Kyphosus sectator*	H	0	0	12	0	0	0	0	0	0	499.13
2280	7/27/2012	WFGB	69	8:37	First 5mins	queen angelfish	*Holacanthus ciliaris*	I	0	0	0	1	0	0	0	0	0	135.66
2281	7/27/2012	WFGB	69	8:37	First 5mins	blue tang	*Acanthurus coeruleus*	H	0	6	0	0	0	0	0	0	0	77.2
2282	7/27/2012	WFGB	69	8:37	First 5mins	cocoa damselfish	*Stegastes variabilis*	H	19	0	0	0	0	0	0	0	0	8.28
2283	7/27/2012	WFGB	69	8:37	First 5mins	Spanish hogfish	*Bodianus rufus*	I	8	0	0	0	0	0	0	0	0	1.9
2284	7/27/2012	WFGB	69	8:37	First 5mins	ocean surgeonfish	*Acanthurus bahianus*	H	0	5	0	0	0	0	0	0	0	47.34
2285	7/27/2012	WFGB	69	8:37	First 5mins	bluehead	*Thalassoma bifasciatum*	I	32	1	0	0	0	0	0	0	0	9.86
2286	7/27/2012	WFGB	69	8:37	First 5mins	bi-color damselfish	*Stegastes partitus*	H	20	0	0	0	0	0	0	0	0	6.54
2287	7/27/2012	WFGB	69	8:37	First 5mins	creolefish	*Paranthias furcifer*	PL	0	7	0	0	0	0	0	0	0	43.48
2288	7/27/2012	WFGB	69	8:37	First 5mins	queen parrotfish	*Scarus vetula*	H	0	8	2	0	0	0	0	0	0	128.88

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2289	7/27/2012	WFGB	69	8:37	First 5mins	purple reeffish	*Chromis scotti*	PL	36	0	0	0	0	0	0	0	0	11.03
2290	7/27/2012	WFGB	69	8:37	First 5mins	brown chromis	*Chromis multilineata*	I	118	0	0	0	0	0	0	0	0	66.85
2291	7/27/2012	WFGB	69	8:37	First 5mins	blue chromis	*Chromis cyanea*	PL	6	0	0	0	0	0	0	0	0	3.24
2292	7/27/2012	WFGB	69	8:37	First 5mins	redband parrotfish	*Sparisoma aurofrenatum*	H	3	1	0	0	0	0	0	0	0	9.66
2293	7/27/2012	WFGB	69	8:37	First 5mins	great barracuda	*Sphyraena barracuda*	P	0	0	0	0	2	0	0	0	0	143.52
2294	7/27/2012	WFGB	69	8:37	First 5mins	black durgon	*Melichthys niger*	H	0	0	2	0	0	0	0	0	0	91.81
2295	7/27/2012	WFGB	69	8:37	First 5mins	graysby	*Cephalopholis cruentata*	P	3	2	0	0	0	0	0	0	0	12.65
2296	7/27/2012	WFGB	69	8:37	First 5mins	yellowmouth grouper	*Mycteroperca interstitialis*	P	0	3	0	0	0	0	0	0	0	21.08
2297	7/27/2012	WFGB	69	8:37	First 5mins	smooth trunckfish	*Lactophrys triqueter*	I	0	1	0	0	0	0	0	0	0	13.04
2298	7/27/2012	WFGB	69	8:37	First 5mins	creole wrasse	*Clepticus parrae*	PL	42	0	0	0	0	0	0	0	0	9.22
2299	7/27/2012	WFGB	69	8:37	First 5mins	dusky damselfish	*Stegastes adustus*	H	10	0	0	0	0	0	0	0	0	5.19
2300	7/27/2012	WFGB	69	8:37	First 5mins	princess parrotfish	*Scarus taeniopterus*	H	18	0	0	0	0	0	0	0	0	4.98
2301	7/27/2012	WFGB	69	8:37	First 5mins	striped parrotfish	*Scarus iseri*	H	4	0	0	0	0	0	0	0	0	1.21
2302	7/27/2012	WFGB	69	8:37	First 5mins	longspine squirrelfish	*Holocentrus rufus*	I	0	0	1	0	0	0	0	0	0	34
2303	7/27/2012	WFGB	69	8:37	First 5mins	neon goby	*Elacatinus oceanops*	I	8	0	0	0	0	0	0	0	0	1.13

No.	Date	Bank	Depth (ft)	Time	Time Bracket	Fish ID	Latin Name	Trophic	<5	5-10	10-15	15-20	20-25	25-30	30-35	>35	Count	Biomass (g)
2304	7/27/2012	WFGB	69	8:37	First 5mins	longsnout butterflyfish	*Prognathodes aculeatus*	I	1	0	0	0	0	0	0	0	0	0.49
2305	7/27/2012	WFGB	69	8:37	First 5mins	rock beauty	*Holacanthus tricolor*	I	0	1	0	0	0	0	0	0	0	13.56
2306	7/27/2012	WFGB	69	8:37	First 5mins	spotfin butterflyfish	*Chaetodon ocellatus*	I	0	2	0	0	0	0	0	0	0	25.98
2307	7/27/2012	WFGB	69	8:37	First 5mins	greenblotch parrotfish	*Sparisoma atomarium*	H	2	0	0	0	0	0	0	0	0	0.39
2308	7/27/2012	WFGB	69	8:37	First 5mins	banded butterflyfish	*Chaetodon striatus*	I	0	2	0	0	0	0	0	0	0	24.84
2309	7/27/2012	WFGB	69	8:37	First 5mins	sharpnose puffer	*Canthigaster rostrata*	I	8	0	0	0	0	0	0	0	0	2.28
2310	7/27/2012	WFGB	69	8:37	First 5mins	seaweed blenny	*Parablennius marmoreus*	I	3	0	0	0	0	0	0	0	0	0.52

APPENDIX 11.0: MAJOR TROPHIC GUILD CATEGORIES AT THE FGB

Families of the Herbivore Guild:
Acanthuridae
Blennidae
Kyphosidae
Labridae (Parrotfish)
Balistidae (Black Durgon)
Gobiidae (Goldspot Goby)
Pomacanthidae (Queen Angelfish)
Pomacentridae (Cocoa, Bi-Color, Yellowtail, and Dusky Damselfish)
Families of the Piscivore Guild:
Aulostomidae
Carangidae
Inermiidae
Muraenidae
Sphyraenidae
Lutjanidae (Dog Snapper)
Serranidae (Groupers, Graysby, and Scamp)
Families of the Invertivore Guild:
Apogonidae
Chaetodontidae
Cirrhitidae
Dasyatidae
Diodontidae
Holocentridae
Monacanthidae
Mullidae
Muraenidae
Ostraciidae
Tetraodontidae
Balistidae (Ocean and Queen triggerfish)
Gobiidae (Neon Goby)
Labridae (Spanish and Spotfin Hogfish, Clown and Yellowhead Wrasse, Slippery Dick, Bluehead, and Puddingwife)
Lutjanidae (Grey Snapper)
Pomacanthidae (Rock Beauty and French Angelfish)
Pomacentridae (Brown Chromis, Sergeant Major, and Threespot Damselfish)
Serranidae (Rock and Red Hinds, and Coney)

Families of the Planktivore Guild:
Echeneidae
Labridae (Creole Wrasse)
Pomacentridae (Blue Chromis, Purple Reeffish, and Sunshinefish)
Serranidae (Creolefish)

APPENDIX 12.0: HISTORICAL FISH SUMMARY DATA FROM 2002–2012 AT THE FGB

EFGB	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of Samples (n)	16	14	12	24	24	24	-	24	25	24	24
% area of study site sampled	28	24	21	42	42	42	-	42	44	42	42
Total Species Richness	54	46	55	64	56	55	-	61	53	68	63
Average Species Richness/Survey (±SD)	16.7 (NA)	18.6 (NA)	22 (4.22)	17.2 (2.75)	16.5 (NA)	14.1 (NA)	-	20 (0.7)	18.2 (0.5)	20 (3.5)	21.7 (4.3)
Total Fish Abundance	2645	2072	5331	3928	3835	2227	-	12188	3863	6411	6376
Average Fish Abundance/Survey (±SD)	165.3 (NA)	148 (NA)	444.3 (275.36)	163.7 (101.64)	159.8 (NA)	92.8 (NA)	-	507.8 (397)	154.5 (54.7)	267.1 (252.3)	265.7 (133.1)
Average Fish Density/100 m^2 (±SD)	82.8 (NA)	157.5 (NA)	251.4 (NA)	96.6 (NA)	90.3 (NA)	52.7 (NA)	-	287.4 (45.9)	87.4 (6.2)	151.2 (142.8)	150.3 (75.4)
Average Biomass (g/m^2)/Survey (±SD)	-	-	-	-	81.6 (NA)	242.7 (NA)	-	161.9 (246.8)	73 (54.7)	98.2 (172)	51.4 (51.2)
Diversity (H')	1.16	0.9	0.77	1.06	0.99	0.78	-	1.05	1.01	0.83	1.11
Evenness (J')	0.67	0.54	0.44	0.58	0.57	0.67	-	0.59	0.59	0.46	0.62

WFGB	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of Samples (n)	16	16	27	23	24	24	-	24	26	24	24
% area of study site sampled	28	28	48	41	42	42	-	42	46	42	42
Total Species Richness	53	52	50	60	55	52	-	63	51	63	67
Average Species Richness/Survey (±SD)	15.7 (NA)	19.7 (NA)	15 (6.15)	16.6 (3.07)	19.4 (NA)	18.3 (NA)	-	22.1 (0.4)	17.4 (0.8)	19 (2.9)	23.1 (4.9)
Total Fish Abundance	3947	2540	1876	3252	3007	2750	-	5690	4547	6979	13292
Average Fish Abundance/Survey (±SD)	73.3 (NA)	84.6 (NA)	69.5 (35.62)	141.4 (79.29)	125.3 (NA)	114.6 (NA)	-	237.1 (84.5)	174.9 (101.8)	290.8 (300.6)	553.8 (561.2)
Average Fish Density/100 m^2 (±SD)	73.3 (NA)	84.6 (NA)	39.3 (NA)	80 (NA)	70.9 (NA)	64.8 (NA)	-	134.2 (9.8)	99 (11.3)	164.6 (170.1)	313.4 (317.6)
Average Biomass (g/m^2)/Survey (±SD)	-	-	-	-	119.8 (NA)	172.8 (NA)	-	134.9 (299.7)	87.2 (58.8)	162.6 (360.1)	24.6 (22.6)
Diversity (H')	1.14	1.19	1.3	1.04	1.1	0.86	-	1.12	0.99	0.71	0.89
Evenness (J')	0.66	0.69	0.76	0.58	0.63	0.67	-	0.62	0.58	0.40	0.49

Standard deviation provided in paraenthesis when available.

The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island communities.

The Bureau of Ocean Energy Management Mission

The Bureau of Ocean Energy Management (BOEM) promotes energy independence, environmental protection, and economic development through responsible, science-based management of offshore conventional and renewable energy.