Supplementary figures

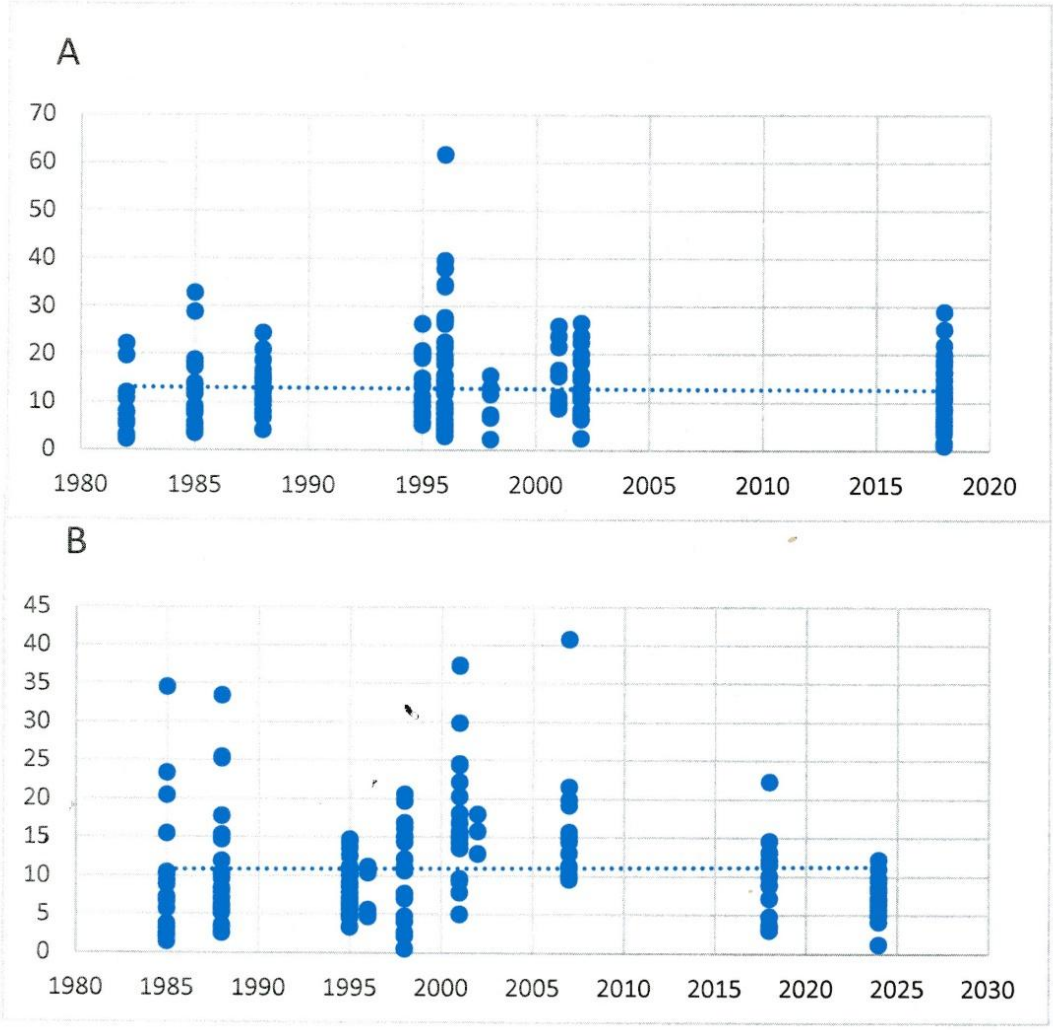

Fig. S1. The population densities of coral colonies in American Samoa through four decades, combining all coral species. A --- Open coast of Tutuila and Aunu'u, excluding Pago Pago Harbor and Fagatele Bay. The probability that the slope of the regression of population density of all species of coral colonies over the years 1982 – 2018 (ANOVA on the slopes) does not differ from zero is $p > 0.948$ (df 1, 211). B --- Fagatele Bay National Marine Sanctuary. The probability that the slope of the regression of population density of all species of coral colonies over the years 1985 – 2024 does not differ from zero is $p > 0.778$ (df 1,158). Each of the dots represents data from a transect, not just a coral colony.

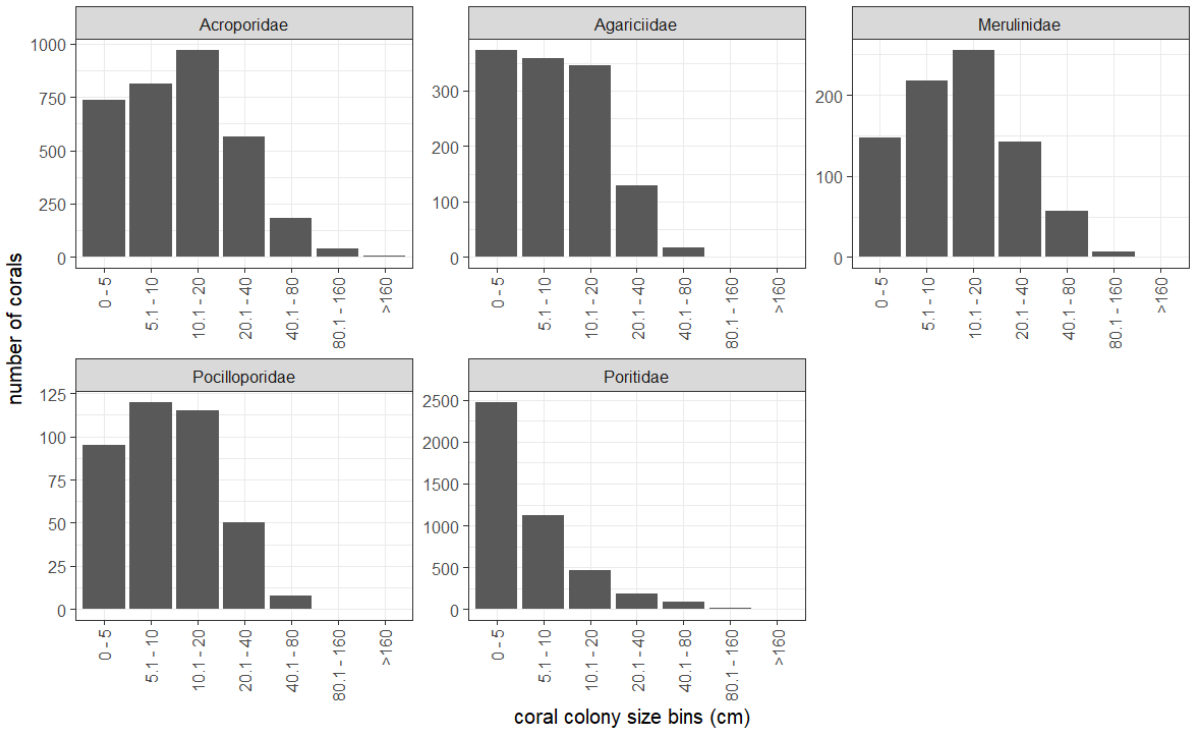

Fig. S2. Size-distribution data from PQ surveys sorted by coral families. They clearly corroborate the independent BT surveys that found recruitment to be consistent and prevalent.

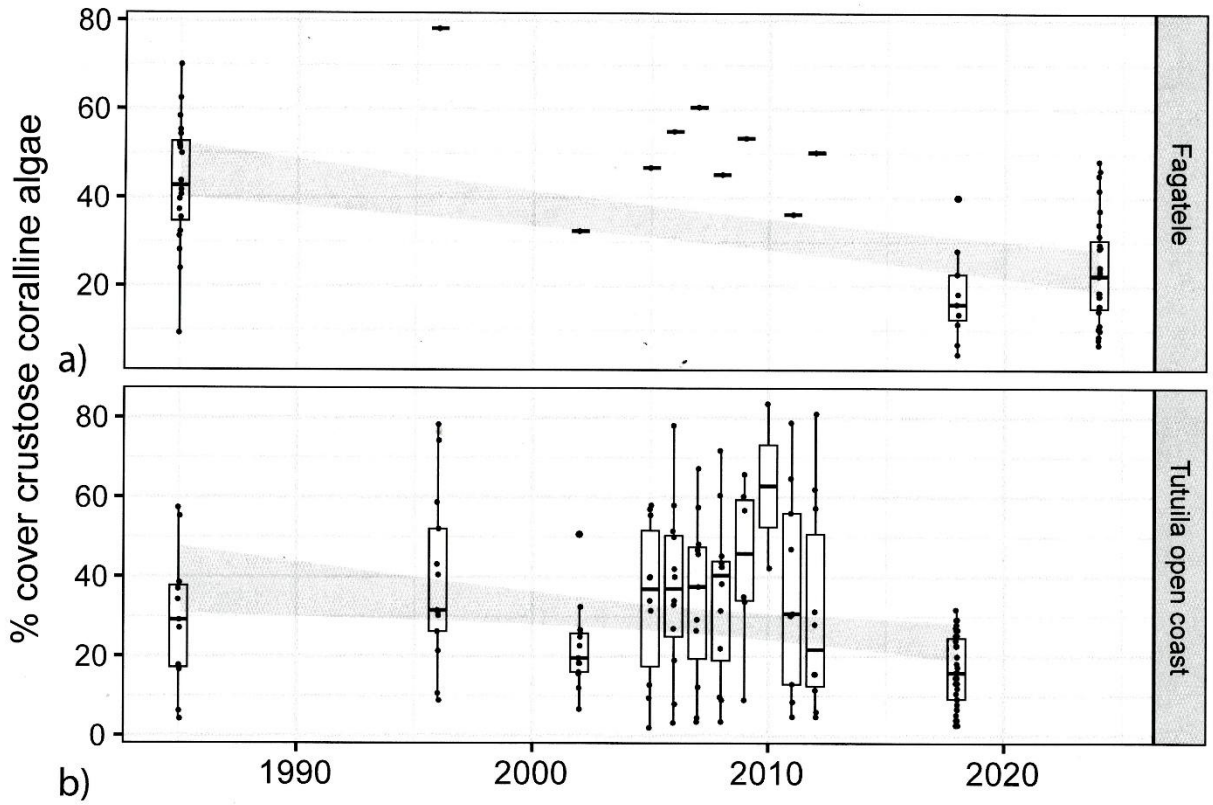

Fig. S3. The percent living cover of CCA at A --- Tutuila and Aunu'u open coast. The probability that the slope of the regression of percent living cover differs significantly from zero over the years 1982 – 2018 is (ANOVA on the slopes) $p < 0.009$ (df 1, 146). B--- Fagatele Bay 1985 – 2024, $p < 0.001$ (df 1, 65)

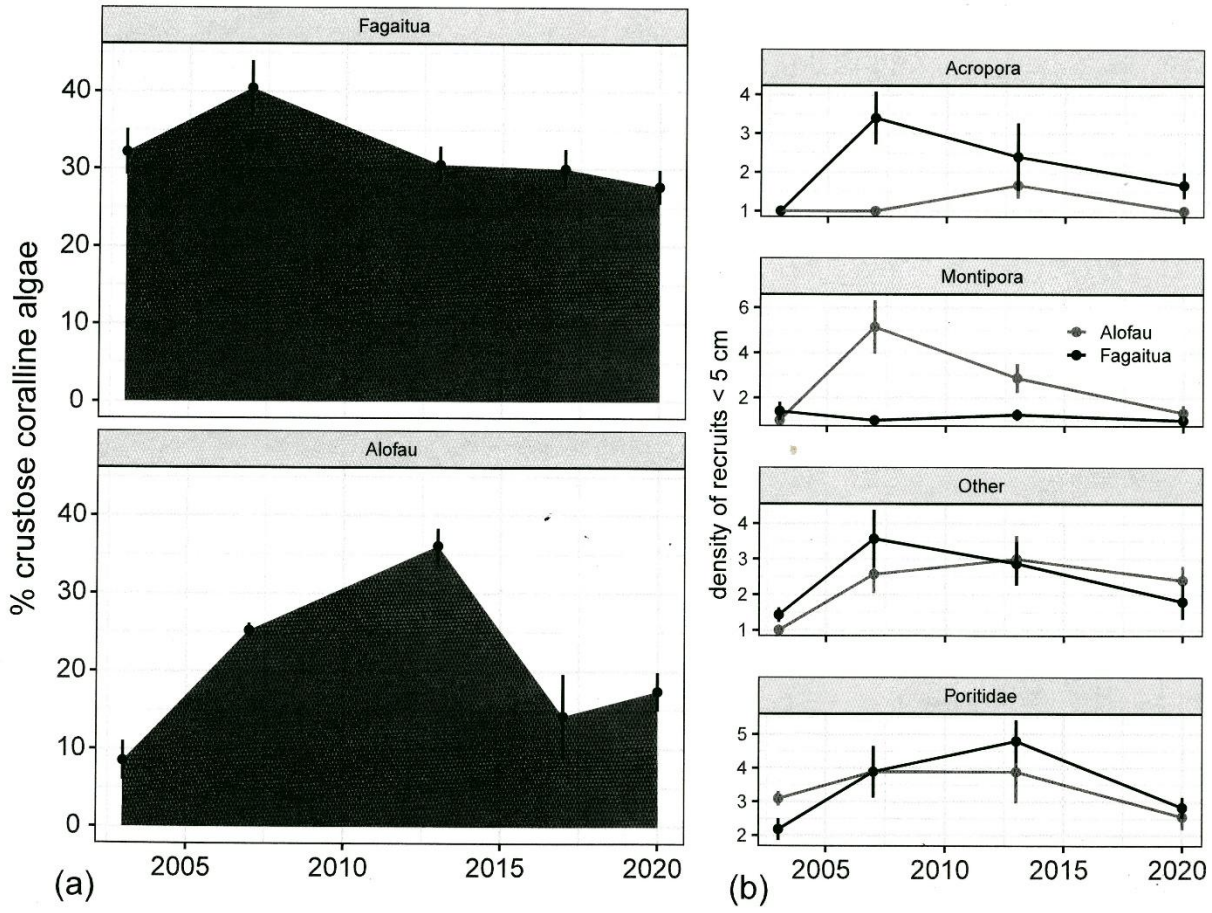

Fig. S4. The PQ surveys found that the increased abundance of recruits of *Acropora* and other corals during recovery from Cyclone Heta was associated with increased cover of CCA.

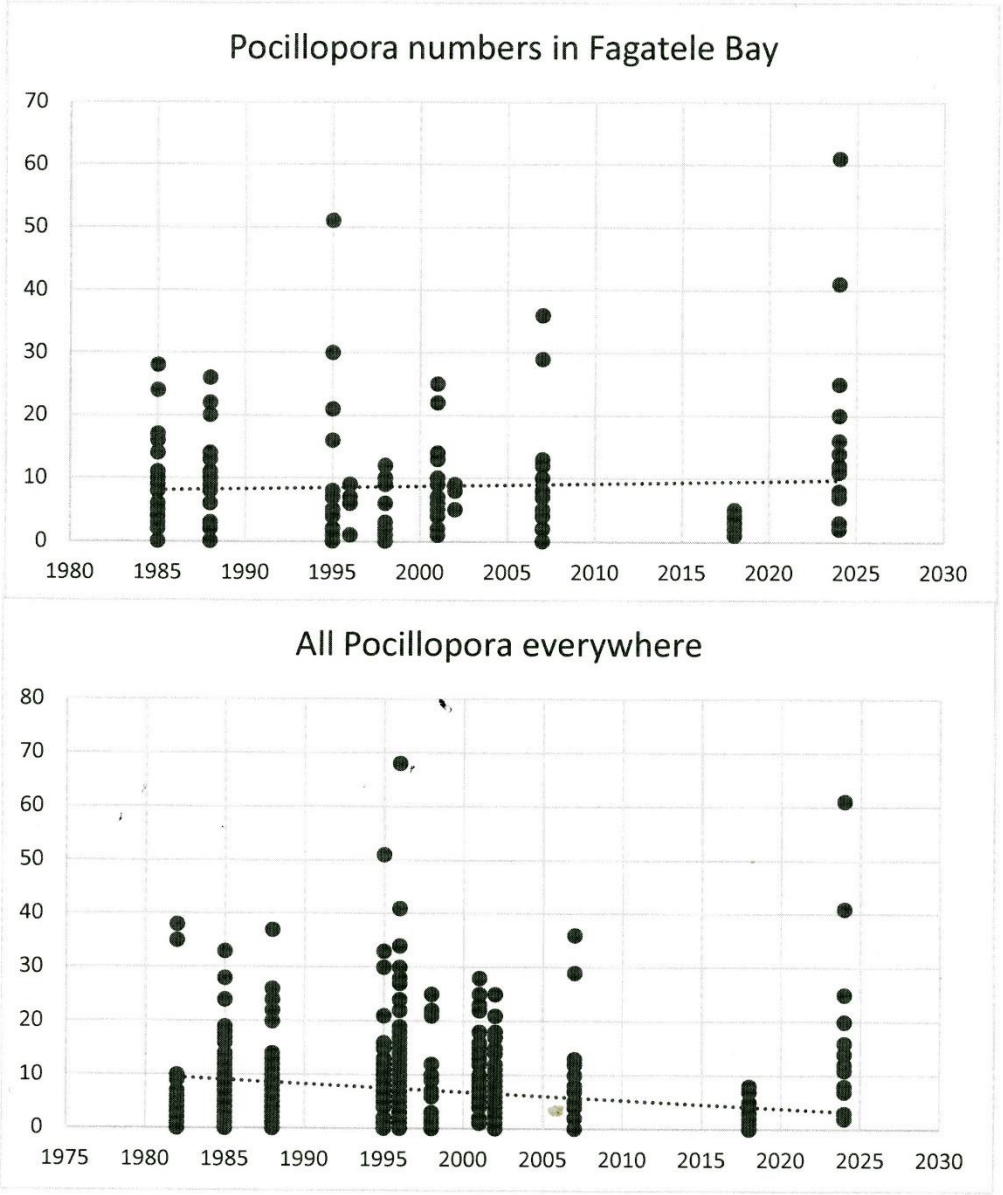

Fig. S5. *Pocillopora* spp. declined significantly in population density from 1982 to 2018. However, there was no significant change in the abundance of *Pocillopora* spp. in Fagatele Bay from 1985 to 2024. Each of the dots represents data from a transect, not just a coral colony.

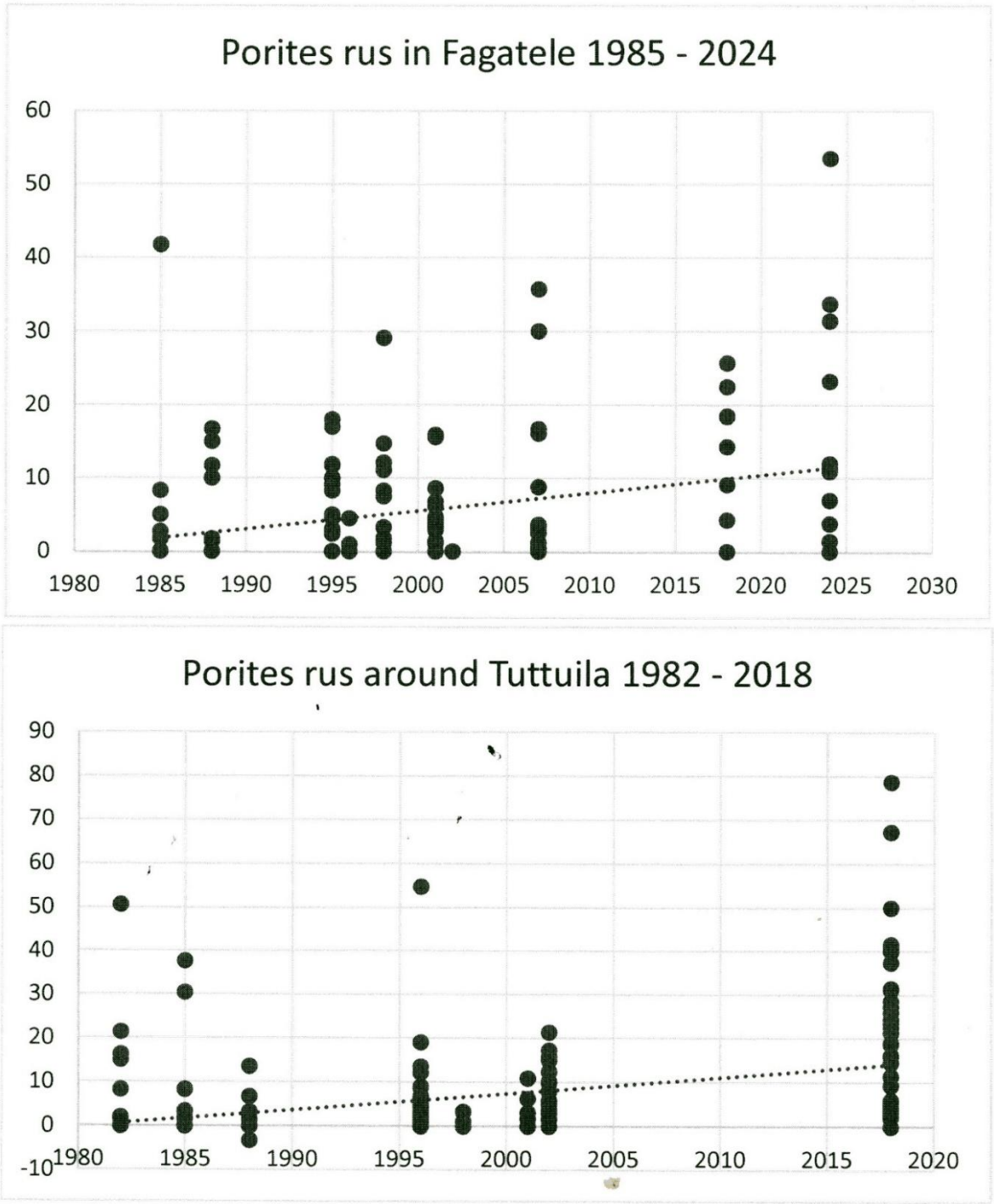

Fig. S6. *Porites rus* s.l. has significantly increased in population densities since the 1980s, both in Fagatele Bay (Fig. S4 A, $p < 0.001$ df 1,154) and other sites on the open coast of Tutuila and Aunu'u (Fig. S4 B, $p< 0.001$ df 1,188). Each of the dots represents data from a transect, not just a coral colony.

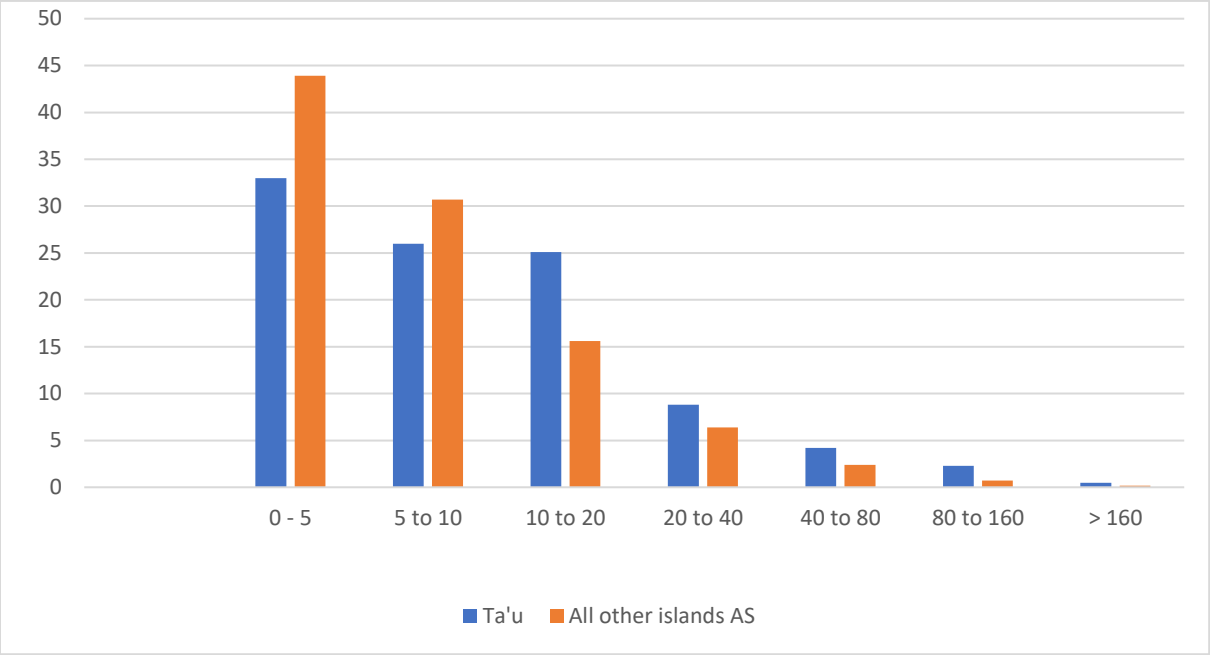

Fig. S7. Size-distributions of mound-shaped *Porites.* On Ta'u, massive species of *Porites* do not recruit better than on other islands, but they tend to last longer and grow to larger sizes. This corroborates Coward et al. (2020).

Supplementary tables

Table S1 – Calculations of relative size in flat surface area (assuming the colony is circular) of median-sized individual coral colonies of different size classes. The median diameter for >160 was the actual median of the data. The proportion of living coral cover contributed by each size class was calculated by multiplying the proportion of numbers of coral colonies in the size class of the population times the area in two dimensions (assuming circular) of the median-sized colony of the size class. "Elsewhere" means from surveys at all sites at Tutuila, Aunu'u, and Manua Islands, except not including Fagatele Bay

Size class	0.1 – 5.0 cm	5.1 – 10 cm	10.1 – 20 cm	20.1 – 40 cm	40.1 – 80 cm	80.1 – 160 cm	> 160 cm
Median diameter	2.5	7.5	15	30	60	120	235
Median radius	1.25	3.75	7.5	15	30	60	117.5
Area = pi (r^2) in cm^2	4.91	53.27	176.7	706.9	2827.4	11,310.0	43,373.6
Proportion coral population Fagatele 2018	0.1192	0.2737	0.2384	0.1987	0.1126	0.0331	0.0243
Proportion of living cover contributed by	0.59	14.58	42.13	140.45	318.37	374.4	1054.0

each size class in Fagatele in 2018							
Percent of living cover contributed by coral colonies in each size class in Fagatele in 2018	0.03	0.7	2.2	7.2	16.4	19.3	54.2
Proportion coral population Fagatele 1995	0.2270	0.4324	0.2378	0.0973	0.0054	0	0
Proportion of living cover contributed by each size class in Fagatele in 1995	1.11	23.03	42.02	68.78	15.27	0	0
Percent of living cover contributed by coral colonies in each size class in Fagatele in 1995	0.7	15.3	28.0	45.8	10.2	0	0
Proportion coral population elsewhere 2018	0.0952	0.5786	0.1608	0.1128	0.0404	0.0089	0.0032
Proportion of living cover contributed by each size class elsewhere in 2018	0.47	30.8	28.4	79.7	114.2	100.7	138.8
Percent of living cover contributed by coral colonies in each size class elsewhere in 2018	0.1	6.2	5.8	16.2	23.2	20.4	28.2
Proportion coral population elsewhere 1995	0.2329	0.3522	0.3119	0.0888	0.0123	0.0018	0.0001
Proportion of living cover contributed by each size class	1.1	18.8	55.1	62.8	34.8	20.4	4.3

elsewhere in 1995							
Percent of living cover contributed by coral colonies in each size class elsewhere in 1995	0.56	9.5	27.9	31.8	17.6	10.3	2.2

APPENDIX 1. **A chronology of Benthic Transects (BT) surveys with locations, organisms surveyed, and references of the surveys.** The references cited may be obtained from "CRAG (Coral Reef Advisory Group) Library" **https://www.hawaii.edu/climate-data-portal/crag-coral-reef-advisory-group-library/**

Year survey	Locations of surveys					Organisms surveyed					References
Year of survey	FBNMS	Tutuila Aunu'u	Manua Islands	Rose Atoll	Aua transect	corals	fish	Benthos	algae	invert	Lit. cited
1917					X	X					Mayor 1924
1973					X	X				X	Dahl & Lamberts 1977
1980					X	X				X	Dahl 1981
1982		X				X	X				Birkeland et al. 1987
1985	X	X				X	X		X	X	Birkeland et al. 1987
1988	X	X				X	X				Birkeland et al. 1994
1995 July	X	X				X	X		X	X	Birkeland et al. 2003

1995 Oct/ Nov	X	X	X			X					Mundy 1996
1995					X	X				X	Green et al. 1997
1998	X	X				X	X				Birkeland et al. 2004
1998					X	X					Excel sheets
1999					X	X					Excel sheets
2000					X	X				X	Birkeland & Bellivea u 2000
2002	X	X	X				X	X			Green 2002
2002	X	X	X			X					Fisk & Birkeland 2002
2004	X	X			X	X	X			X	Green et al. 2005
2007	X	X			X	X	X			X	Fenner et al. 2008
2017					X	X					Excel sheets
2018	X	X	X	X			X	X			Green et al. 2022
2018	X	X	X	X		X					Birkeland et al. 2024
2019					X	X					Excel sheets
2024	X					X	X				Birkeland et al. 2024

APPENDIX 2. The names and coordinates of the transect sites shown as numbers in Fig. 1

Island	Aspect	Site number	Site name	y	x
Tutuila	SW	1	Fagatele Bay	-14.36623	-170.76290
Tutuila	NE	2	Fagatele Bay	-14.364022	-170.762139
Tutuila	SW	3	Leone	-14.34263	-170.78897
Tutuila	NW	4	Leone	-14.341511	-170.789572
Tutuila	SW	5	Amaluia	-14.336857	-170.793001
Tutuila	SW	6	Nua Seetaga	-14.328897	-170.808356
Tutuila	SW	7	Amanave	-14.32708	-170.83222
Tutuila	SW	8	Amanave	-14.326555	-170.83302
Tutuila	NW	9	Poloa	-14.312552	-170.835181
Tutuila	NE	10	Maloata	-14.30202	-170.816624
Tutuila	NW	11	Fagamalo	-14.29772	-170.81153
Tutuila	NW	12	Fagamalo	-14.297104	-170.811744
Tutuila	NW	13	Massacre Bay	-14.28736667	-170.76175
Tutuila	NW	14	Fagafue	-14.29493	-170.75263
Tutuila	NW	15	Cape Larsen	-14.28232	-170.73303
Tutuila	NW	16	Fagasa	-14.28357	-170.72278
Tutuila	NE	17	Fagasa	-14.285068	-170.722508
Tutuila	NE	18	Vatia	-14.24625	-170.66780
Tutuila	NE	19	Amalau	-14.25124	-170.657893
Tutuila	NE	20	Afono	-14.256019	-170.65275
Tutuila	NE	21	Masefau Bay (outside)	-14.248714	-170.625972
Tutuila	NE	22	Masefau Bay (inside)	-14.25630	-170.62558
Tutuila	SW	23	Masausi	-14.256937	-170.606436
Tutuila	NE	24	Aoa	-14.25783	-170.58892
Tutuila	NE	25	Aoa	-14.258177	-170.588698

Tutuila	NE	26	Onenoa	-14.250813	-170.581923
Tutuila	SE	27	Matuli Point	-14.269918	-170.564514
Tutuila	SE	28	Auasi	-14.271843	-170.572132
Aunu'u	NW	29	Aunu'u	-14.28447	-170.56300
Tutuila	SE	30	Amouli	-14.27563	-170.58288
Tutuila	NE	31	Amouli	-14.275625	-170.582883
Tutuila	NE	32	Alofau	-14.276775	-170.607639
Tutuila	SE	33	Fagaitua	-14.27200	-170.61213
Tutuila	NE	34	Faga'itua	-14.272138	-170.612441
Tutuila	NE	35	Amaua	-14.273633	-170.621867
Tutuila	NE	36	Alega	-14.282175	-170.637769
Tutuila	SW	37	Laulii	-14.290007	-170.653333
Tutuila	Pago Harbor	38	Onesosopo	-14.28673	-170.66493
Tutuila	Pago Harbor	39	Aua	-14.27833	-170.66933
Tutuila	Pago Harbor	40	Aua	-14.27723	-170.66897
Tutuila	Pago Harbor	41	Leloaloa	-14.27042	-170.67683
Tutuila	Pago Harbor	42	Utulei	-14.28322	-170.67528
Tutuila	Pago Harbor	43	Faga'alu	-14.28982	-170.67748
Tutuila	Pago Harbor	44	Faga'alu	-14.289099	-170.676486
Tutuila	Pago Harbor	45	Fatumafuti	-14.29450	-170.67500
Tutuila	NW	46	Matuu	-14.300875	-170.682873
Tutuila	SE	47	Nu'uuli	-14.32025	-170.69680
Ofu	NW	48	Ofu village	-14.17335	-169.68147
Ofu	NE	49	Asaga	-14.16178	-169.63380
Olosega	NE	50	Sili	-14.16397	-169.62493

Olosega	SW	51	Olosega Elementary School	-14.17612	-169.62711
Ofu	SE	52	Hurricane House	-14.18050	-169.65185
Ta'u	SW	53	Afuli Cove	-14.25937	-169.50048
Ta'u	SW	54	Fagamalo Cove	-14.24633	-169.50570
Ta'u	NE	55	Faga	-14.20955	-169.45502
Ta'u	NE	56	Lepula	-14.21233	-169.43742
Rose Atoll	SW	57	SW2	-14.55467	-168.16463
Rose	SW	58	SW1	-14.54945	-168.16812
Rose Atoll	NW	59	NW1	-14.53751	-168.16827
Rose Atoll	NW	60	NW2	-14.53567	-168.16122
Rose Atoll	NE	61	NE1	-14.53873	-168.14571
Rose Atoll	SE	62	SE1	-14.55809	-168.15303

APPENDIX 3. Taxonomic Notes

It has recently been found that when a phenotype is well-adapted to a broad range of conditions, it may be maintained through multiple speciations. That a phenotype can be common to a number of species has been documented with DNA which is now widely used in taxonomic decisions. For example, "the smooth, encrusting CCA *Porolithon onkodes* has historically been considered the most important and common reef building species worldwide" (Gabrielson et al. 2018). *Porolithon onkodes* has now been found to be at least 20 species (Gabrielson et al. 2018). Since the lethotype of *P. onkodes* is from New Guinea, there is a reasonable chance that the *P. onkodes* on American Samoa is one of the other 19+ species. Adding "s.l." (sensu lato or "in the broad sense") to the name, is to acknowledge that we are aware that we are not certain of the correct identification, but it is a name that ecological studies on American Samoa can use to be consistent in referrals.

Pavona varians is combined with *P. chiriquiensis* under the name *Pavona varians* s.l. because they were not usually distinguished in the early surveys, and so we cannot reliably sort them out among data from earlier years. Dick Randall always recognized them as different species. He called *P. chiriquiensis "Pavona* collines*"*. "Collines" are "little hills". The species was not officially described until 2001 when it was described from Panamá by Glynn, Maté, and Stemann (2001). We have no worries when combining their analysis because they are both common, seem to have the same ecological roles and preferred ecological conditions, and they have the same general patterns of changes in space and time.

Likewise, *Porites monticulosa, P. horizontalata, P. napopora*, are combined with *P. rus* as *P. rus* s.l. because we are noy confident that these similar species were recorded consistently across the surveyors ad years.

Acropora intermedia s.l. in recent surveys includes *A. nobilis* records from earlier surveys. Andrew Baird and Tom Bridge believe that species of *Acropora* found in the Pacific and Indian Oceans are usually different species genetically between the two oceans. Since *A. intermedia* was originally described from the Indian Ocean, the *A. intermedia* in American Samoa is likely a different species (Fenner pers. comm.). *Acropora vanderhorsti* was originally described from American Samoa (Hoffmeister 1925) and so it must be here, but *A. nobilis* was also described from the Pacific. We are temporarily using *A. intermedia* s.l. as the name until the taxonomic matter is solved.

That *Montipora verrilli* was abundant, but completely disappeared after 2002, while *M. grisea* suddenly appeared in full abundance in 1995 might suggest that since encrusting *Montipora* species are usually hard to tell apart, this may all be a result of confused identification. However, both Dick Randall and Craig Mundy independently distinguished and recoded both *M. verrilli* and *M. grisea* between 1995 and 2002. Both species are common in Guam, and Dick Randall includes them both in his publications on corals of the Marianas. I believe the late Dick Randall knew these species well, and if he did not see *M. grisea* before 1995, then it was not there or it was too rare to be recorded before 1995. The surface of *M. verrilli* is largely relatively orderly cobblestones while the surface of *M. grisea* is more chaotic and rougher.

APPENDIX 4. Natural disturbances to American Samoan coral reefs since 1978

1978 – massive outbreak of *Acanthaster*
- Cyclone Charles

1981 – Cyclone Esau

1987 – Cyclone Tusi
- Cyclone Zuman

1990 – Cyclone Ofa

1991 – Cyclone Val

1993 – Cyclone Lin

1994 – major coral bleaching with unusually warm seawater

1997 – Cyclone Evan

1998 – extreme low tides kill exposed coral

2002 - coral bleaching with unusually warm seawater

2003 - major coral bleaching with unusually warm seawater

2004 – Cyclone Heta

2005 - extreme low tides kill exposed coral
- Cyclone Olaf
- Cyclone Percy

2009 – tsunami

2010 – Cyclone Rene

2011 – outbreak of *Acanthaster*
- Cyclone Wilma

2012 – Cyclone Evan

2016 – Cyclone Amos
- Cyclone Ula

2017 – Cyclone Ella
- serious bleaching after 8.7 DHW

2018 – Cyclone Gita

2020 – Cyclone Vicky
- Cyclone Wasi
- Cyclone Zazu

2024 - Cyclone Osai
- notable bleaching

APPENDIX 5. Size distributions based on diameters of colonies from Benthic Transects (BT) surveys. Species are listed from the greatest to least numbers of colonies less than or equal to 5 cm, considered "recruits".

SPECIES	0 to 5 cm	6 to 10	11 to 20	21-40	41-80	81-160	>160
Porites randalli	1042	1345	290	12	0	0	0
Montipora grisea	893	1422	2209	1010	266	23	0
Astrea curta	551	457	265	56	3	0	0
Pavona varians	315	632	566	278	39	4	1
Leptastrea purpurea	238	202	127	23	0	0	0
Montipora turgescens	233	187	172	85	21	2	0
Porites rus	225	321	316	207	98	39	12
Porites cf horizontalata	225	130	41	5	1	1	0
Goniastrea edwardsi	186	100	69	31	7	0	0

Goniastrea retiformis	182	145	85	39	15	0	0
Montipora venosa	169	106	41	7	2	1	0
Leptoria phrygia	161	82	76	32	6	0	0
Psammocora profundacella	147	133	46	4	2	0	0
Dipsastraea matthaii	144	114	51	19	4	0	0
Montipora caliculata	140	82	32	4	2	0	0
Montipora spp	136	46	46	49	27	1	1
Montipora efflorescens	134	97	134	50	17	0	0
Porites mound	131	101	35	17	4	1	0
Galaxea fascicularis	130	419	377	9	0	0	0
Pocillopora spp	123	1	2	0	0	0	0
Psammocora haimeana	115	73	24	2	4	0	0
Acropora spp	112	65	45	30	11	2	1
Dipsastraea stelligera	102	116	76	87	20	1	0
Pocillopora verrucosa	99	162	186	111	2	0	0
Montipora danae	86	81	38	7	1	0	0
Montipora informis	83	243	319	208	30	7	0
Astreopora listeri	74	72	65	39	10	6	0
Montipora monasteriata	72	153	164	55	9	0	0
Isopora crateriformis	71	92	86	61	14	0	0
Goniastrea pectinata	67	48	50	7	0	0	0
Montipora hoffmeisteri	61	63	80	37	13	0	0
Montipora corbettensis	60	52	91	144	111	7	1
Astreopora myriopthalma	53	78	45	20	15	6	0
Montipora tuberculosa	51	50	66	39	12	0	0
Pocillopora damicornis	48	50	33	2	0	0	0
Porites lichen	48	38	14	1	0	0	0
Montipora effusa	45	65	78	41	21	3	0
Oxypora lacera	45	31	28	23	8	1	0
Fungia spp	42	14	7	2	0	0	0
Echinopora lamellosa	41	18	9	6	2	1	1
Dipsastraea pallida	41	35	6	2	0	0	0
Pavona venosa	41	66	82	40	3	0	0
Galaxea astreata	40	42	24	1	0	0	0
Montipora calcarea	40	18	5	2	0	0	0
Porites stephansoni	40	33	31	9	0	0	0
Pavona maldivensis	39	10	7	9	4	0	0
Stylocoeniella armata	38	10	7	2	0	0	0
Montipora foveolata	36	46	30	22	1	1	0

Acropora valida	34	38	36	2	2	0	0
Pocillopora meandrina	33	122	260	122	10	0	0
Platygyra pini	33	25	14	7	2	0	0
Echinopora hirsutissima	33	46	26	10	5	1	0
Leptastrea transversa	31	943	44	20	2	1	0
Montipora verrucosa	29	13	7	3	0	0	0
Phymastrea valenciennesi	29	15	9	2	0	0	0
Platygyra daedalea	28	27	35	14	7	1	0
Pavona chiriquiensis	28	41	51	29	4	0	0
Merulina ampliata	26	1758	19	18	7	1	1
Leptoseris mycetoseroides	25	53	31	9	0	0	0
Favites russelli	23	17	14	8	0	0	0
Alveopora spp	22	9	0	0	0	0	0
Goniastrea favulus	21	21	4	0	1	0	0
Astreopora gracilis	21	57	56	22	5	0	0
Alveopora tizardi	20	10	0	1	0	0	0
Montipora aequituberculata	19	19	26	19	2	0	0
Tubastraea coccinea	19	0	0	0	0	0	0
Acanthastrea echinata	19	15	11	2	1	0	0
Favites halicora	19	24	24	10	5	0	0
Alveopora allingi	17	4	5	0	0	0	0
Fungia concinna	17	17	17	1	0	0	0
Coscinaraea columna	16	30	25	26	10	3	0
Alveopora spongiosa	16	2	1	0	0	0	0
Cladiella spp	16	18	8	0	0	0	0
Fungia fungites	15	690	46	18	0	0	0
Hydnophora exesa	15	5	9	8	6	0	0
Montipora mollis	14	8	1	2	0	0	0
Psammocora contigua	14	13	9	4	2	0	0
Favites abdita	13	13	5	4	2	0	0
Millepora exaesa	13	15	11	6	8	0	0
Montipora millepora	12	9	6	4	0	0	0
Dipsastraea speciosa	11	5	11	2	0	0	0
Porites cylindrica	11	15	10	12	7	4	0
Montipora floweri	11	14	26	18	2	0	0
Dipsastraea favus	10	13	5	2	0	0	0
Fungia scutaria	10	15	13	1	0	0	0
Acropora samoensis	10	43	45	9	3	0	0
Acropora nasuta	10	45	47	14	1	0	0
Cyphastrea chalcidicum	10	21	12	3	0	0	0

Diploastrea heliopora	9	7	6	11	7	7	6
Goniastrea aspera	9	9	9	1	0	0	0
Leptastrea bewickensis	9	7	8	3	1	0	0
Lobophyllia hemprichii	9	15	27	25	10	1	0
Acropora digitifera	9	18	6	4	3	0	0
Cyphastrea serailia	7	5	7	6	0	0	0
Pocillopora eydouxi	7	133	262	161	52	0	0
Dipsastraea laxa	7	6	3	6	1	0	0
Leptastrea spp	7	7	3	0	0	0	0
Dipsastraea sp.	7	4	2	4	0	0	0
Favites spp	7	10	7	6	5	0	0
Echinophyllia aspera	6	1	3	7	4	0	0
Favites flexuosa	6	5	6	1	1	0	0
Lobophyllia corymbosa	5	5	3	6	0	1	0
Acropora hyacinthus	5	20	17	4	7	4	0
Millepora platyphylla	5	24	9	5	6	3	1
Acropora humilis	4	10	9	9	2	0	0
Astrea annuligera	4	17	12	6	1	0	0
Goniastrea australensis	4	7	6	2	1	0	0
Pavona duerdeni	4	12	15	5	7	2	0
Platygyra sinensis	4	10	5	2	0	0	0
Psammocora superficialis	4	7	6	6	1	0	0
Stylocoeniella guentheri	4	8	3	1	0	0	0
Turbinaria reniformis	4	15	8	8	1	1	0
Acropora danai	4	18	25	1	1	0	0
Acropora gemmifera	4	20	29	17	3	0	0
Acanthastrea spp	4	0	0	0	0	0	0
Acropora glauca	4	27	48	38	3	1	0
Acropora retusa	4	4	2	17	1	0	0
Astreopora spp	4	0	0	2	0	1	0
Acropora abrotanoides	3	4	6	2	5	9	5
Acropora austera	3	13	6	5	7	5	2
Acropora hemprichii	3	0	0	0	0	0	0
Astreopora cucullata	3	7	14	11	1	2	0
Astreopora ocellata	3	1	1	0	0	0	0
Cyphastrea sp.	3	6	11	5	2	0	0
Distichopora spp	3	0	0	0	0	0	0
Montipora orientalis	3	3	1	0	0	1	0
Montipora peltiformis	3	3	1	0	0	0	0
Porites annae	3	4	1	0	0	0	0
Stylophora pistillata	3	1	4	0	0	0	0

Astrea spp	3	5	1	2	0	0	0
Acropora latistella	2	7	8	4	7	1	0
Acropora secale	2	3	4	5	1	0	0
Coeloseris mayeri	2	3	3	1	0	0	0
faviid	2	1	9	8	1	0	0
Fungia danai	2	2	0	0	0	0	0
Montipora capitata	2	0	6	0	0	0	0
Pavona clavus	2	1	2	2	1	0	0
Porites napopora	2	0	0	0	0	0	0
Pavona frondifera	2	4	3	0	1	0	0
Psammocora nierstraszi	2	10	7	7	0	0	0
Acropora cytherea	1	2	1	4	2	1	2
Acropora intermedia	1	3	8	4	1	4	2
Acropora nobilis	1	2	6	2	3	3	2
Acropora aculeus	1	5	18	12	0	0	0
Acropora akajimensis	1	0	5	5	0	1	0
Acropora nana	1	10	10	2	0	0	0
Acropora cophodactyla	1	4	3	1	0	0	0
Acropora divaricata	1	5	5	4	4	0	0
Acropora globiceps	1	2	2	3	1	0	0
Acropora pagoensis	1	13	7	7	2	0	0
Acropora rosaria	1	1	1	0	1	0	0
Acropora surculosa	1	4	2	0	0	0	0
Astreopora expansa	1	2	2	1	0	0	0
Cantharellus sp.	1	0	0	0	0	0	0
coralliomorph sp.	1	0	0	0	0	0	0
Cyphastrea microphthalma	1	0	1	1	0	0	0
Dipsastraea helianthoides	1	0	0	0	0	0	0
Echinopora horrida	1	6	5	3	3	2	0
Fungia klunzingeri	1	5	1	0	0	0	0
Goniastrea minuta	1	0	0	1	0	0	0
Goniastrea spp	1	0	2	1	0	0	0
Hydnophora microconos	1	0	4	2	0	0	0
Isopora palifera	1	2	2	1	0	0	0
Leptoseris explanata	1	1	2	0	0	0	0
Lithophyllon undulatum	1	0	0	0	0	0	0
Pavona divaricata	1	8	11	1	0	0	0
Pavona explanulata	1	3	2	1	0	0	0
Pavona verrucosa	1	2	1	1	0	0	0
Plesiastrea versipora	1	2	4	3	0	0	0
Pocillopora danae	1	0	0	0	0	0	0

Pocillopora setchelli	1	8	12	6	0	0	0
Porites nigrescens	1	1	10	7	0	0	0
Sandalolitha robusta	1	3	1	0	0	0	0
Scapophyllia cylindrica	1	3	2	1	0	0	0
Stylaster sp.	1	0	0	0	0	0	0
Stylophora mordax	1	1	0	0	0	0	0
Turbinaria mesenterina	1	1	1	0	1	0	0
Turbinaria sp	1	0	0	0	0	0	0
Acropora tenuis	1	12	14	2	0	0	0
Acropora verweyi	1	6	2	7	1	0	0
Goniopora somaliensis	0	0	0	1	1	0	1
Acanthastrea brevis	0	0	1	0	0	0	0
Acanthastrea hillae	0	0	3	1	0	0	0
Acropora acuminata	0	0	0	0	1	0	0
Acropora azurea	0	1	3	5	0	0	0
Acropora cerealis	0	6	8	7	1	0	0
Acropora clathrata	0	0	1	7	5	6	0
Acropora cytharea	0	1	2	1	1	0	0
Acropora dendrum	0	0	0	1	0	0	0
Acropora lutkeni	0	1	1	2	0	1	0
Acropora microclados	0	0	0	0	1	0	0
Acropora microphthalma	0	0	0	0	2	1	0
Acropora monticulosa	0	2	3	1	0	0	0
Acropora muricata	0	0	1	1	1	0	0
Acropora paniculata	0	2	1	2	1	0	0
Acropora pulchra	0	0	1	0	0	0	0
Acropora selago	0	0	1	0	0	0	0
Acropora striata	0	2	0	1	0	0	0
Acropora subulata	0	1	4	1	0	0	0
Caulastrea furcata	0	3	1	1	0	0	0
Echinopora pacificus	0	1	1	0	0	0	0
Euphyllia aspera	0	0	3	7	1	2	0
Euphyllia cristata	0	2	0	1	0	0	0
Mycedium spp	0	2	1	1	4	0	0
Favites complanata	0	0	0	1	0	0	0
Fungia granulosa	0	1	1	0	0	0	0
Fungia horrida	0	3	1	0	0	0	0
Fungia molluccensis	0	0	2	0	0	0	0
Fungia scruposa	0	5	1	0	0	0	0
Fungia seychellensis	0	1	0	0	0	0	0
Gardineroseris planulata	0	0	0	1	0	0	0

Goniopora djiboutiensis	0	0	0	0	0	1	0
Goniopora fruticosa	0	0	1	1	1	0	0
Goniopora sp.	0	0	2	0	0	0	0
Halomitra pileus	0	0	1	0	0	0	0
Isopora brueggemanni	0	0	0	0	1	0	0
Leptastrea pruinosa	0	2	0	0	0	0	0
Leptoseris foliosa	0	0	1	0	0	0	0
Lobophyllia robusta	0	0	1	0	0	0	0
Merulina scabricula	0	2	0	1	0	0	0
Millepora tenella	0	1	0	0	0	0	0
Montipora incrassata	0	1	0	0	0	0	0
Montipora lobulata	0	2	0	0	0	0	0
Montipora vaughani	0	0	4	3	0	0	0
Mycedium elephantotus	0	2	3	3	3	0	0
Mycedium robokaki	0	0	0	1	2	1	0
Oulophyllia bennettae	0	1	4	0	0	0	0
Oulophyllia crispa	0	1	2	0	0	0	0
Oulophyllia sp	0	2	0	1	0	0	0
Pavona sp	0	0	0	1	0	0	0
Pavona decussata	0	1	1	0	0	0	0
Pavona gigantea	0	0	1	0	1	0	0
Pavona minuta	0	2	1	1	0	0	0
Platygyra sp	0	0	1	0	2	0	0
Platygyra contorta	0	1	1	0	0	0	0
Caulastrea echinulata	0	1	0	0	1	0	0
Pocillopora ligulata	0	0	0	2	0	0	0
Pocillopora woodjonesi	0	0	0	5	2	0	0
Porites arnaudi	0	0	0	0	1	0	0
Sarcophyton sp.	0	1	1	0	0	0	0
Sinularia sp.	0	1	2	2	1	0	0
Symphyllia agaricia	0	0	1	0	0	0	0
Symphyllia recta	0	0	2	0	0	0	0
Tubastrea mesenteriensis	0	0	0	1	0	0	0
Pachyseris speciosa	0	1	3	0	2	1	0
Fungia repanda	0	2	1	0	0	0	0