

Table S1. Estimated marginal means of abundance ($n.150m^{-2}$) of predatory fishes across reef types and pairwise contrast effect sizes and ratios.

Reef type	Abundance			Pairwise contrast	Effect size		Effect ratio	
	($N 150m^{-2}$)	95% CI	DF		($N 150m^{-2}$)	95% CI	(x:1)	95% CI
Pinnacle	16.6	7.9-25.3	115	Pinnacle - Offshore	11.2	0.2-22.2	3.07	1.23-7.68
Offshore	5.4	2.4-8.4	115	Pinnacle - Nearshore	11.6	0.5-22.7	3.32	1.26-8.77
Nearshore	5	1.9-8.1	115	Offshore - Nearshore	0.4	-4.8-5.6	1.08	0.4-2.93

Table S2. Estimated marginal means of predatory fish biomass ($kg.150m^{-2}$) across reef types and pairwise contrast effect sizes and ratios.

Reef type	Biomass			Pairwise contrast	Effect size		Effect ratio	
	($kg 150m^{-2}$)	95% CI	DF		($kg 150m^{-2}$)	95% CI	(x:1)	95% CI
Pinnacle	27	17.2-36.8	114	Pinnacle - Offshore	12.7	-1.2-26.6	1.88	0.95-3.72
Offshore	14.3	8-20.6	114	Pinnacle - Nearshore	19.9	7.3-32.5	3.8	1.73-8.37
Nearshore	7.1	3.2-11	114	Offshore - Nearshore	7.2	-1.6-16.1	2.02	0.87-4.69

Table S3. Estimated marginal means of predatory fish diversity ($H. 150m^{-2}$) across reef types and pairwise contrast effect sizes and ratios.

Reef type	Shannon diversity			Pairwise contrast	Effect size		Effect ratio	
	($H 150m^{-2}$)	95% CI	DF		($H 150m^{-2}$)	95% CI	(x:1)	95% CI
Pinnacle	1.24	0.92-1.56	114	Pinnacle - Offshore	0.74	0.29-1.19	2.48	1.42-4.34
Offshore	0.5	0.31-0.69	114	Pinnacle - Nearshore	0.97	0.55-1.39	4.54	2.3-8.98
Nearshore	0.27	0.13-0.41	114	Offshore - Nearshore	0.23	-0.57	1.83	0.85-3.93

Table S4. Average predator fish abundance (N 150m⁻² ± SE) of all species observed in this study.

Family	Taxa	Mean fish abundance by reef type (N 150m ⁻² ± SE)						Study total N
		Pinnacle		Offshore		Nearshore		
Carangidae	<i>Carangoides bajad</i>	0.3	± 0.12	0.03	± 0.02	0.05	± 0.03	15
Carangidae	<i>Caranx ignobilis</i>	0.07	± 0.04	0	± 0	0	± 0	3
Carangidae	<i>Caranx melampygus</i>	0.98	± 0.28	0	± 0	0	± 0	39
Carangidae	<i>Caranx sexfasciatus</i>	7.55	± 3.5	0	± 0	0	± 0	302
Carangidae	<i>Elagatis bipinnulata</i>	0.07	± 0.06	0.05	± 0.03	0	± 0	5
Carcharhinidae	<i>Carcharhinus amblyrhynchos</i>	0.12	± 0.08	0	± 0	0	± 0	5
Carcharhinidae	<i>Carcharhinus melanopterus</i>	0.03	± 0.02	0	± 0	0	± 0	1
Cirrhitidae	<i>Paracirrhites forsteri</i>	0.12	± 0.06	0	± 0	0	± 0	5
Ephippidae	<i>Platax teira</i>	0.78	± 0.7	0.05	± 0.03	0	± 0	33
Haemulidae	<i>Plectorhinchus chaetodonoides</i>	0	± 0	0	± 0	0.03	± 0.02	1
Haemulidae	<i>Plectorhinchus picus</i>	0.03	± 0.02	0	± 0	0	± 0	1
Holocentridae	<i>Myripristis botche</i>	0.03	± 0.02	0	± 0	0	± 0	1
Holocentridae	<i>Sargocentron spiniferum</i>	0.1	± 0.08	0	± 0	0	± 0	4
Labridae	<i>Cheilinus undulatus</i>	0.1	± 0.05	0	± 0	0	± 0	4
Labridae	<i>Epibulus insidiator</i>	0	± 0	0.03	± 0.02	0	± 0	1
Labridae	<i>Oxycheilinus digramma</i>	0	± 0	0.07	± 0.06	0.05	± 0.03	5
Lethrinidae	<i>Gymnocranius grandoculis</i>	0	± 0	0.05	± 0.03	0	± 0	2
Lethrinidae	<i>Lethrinus erythracanthus</i>	0.07	± 0.06	0	± 0	0	± 0	3
Lethrinidae	<i>Lethrinus ornatus</i>	0.03	± 0.02	0	± 0	0	± 0	1
Lethrinidae	<i>Monotaxis grandoculis</i>	0.1	± 0.06	0	± 0	0.05	± 0.03	6
Lethrinidae	<i>Monotaxis heterodon</i>	0.42	± 0.3	0.03	± 0.02	0	± 0	18
Lutjanidae	<i>Lutjanus biguttatus</i>	2.95	± 1.3	0.38	± 0.13	0.15	± 0.07	139
Lutjanidae	<i>Lutjanus bohar</i>	0.38	± 0.14	0	± 0	0.03	± 0.02	16
Lutjanidae	<i>Lutjanus boutton</i>	0	± 0	0.03	± 0.02	0.03	± 0.02	2
Lutjanidae	<i>Lutjanus carponotatus</i>	0.05	± 0.05	0	± 0	0.03	± 0.02	3
Lutjanidae	<i>Lutjanus ehrenbergii</i>	0.07	± 0.04	0	± 0	0.03	± 0.02	4
Lutjanidae	<i>Lutjanus fulvus</i>	0.03	± 0.02	0	± 0	0	± 0	1
Lutjanidae	<i>Lutjanus gibbus</i>	1.62	± 0.6	0.28	± 0.13	0.15	± 0.07	82
Lutjanidae	<i>Lutjanus kasmira</i>	0.17	± 0.09	0	± 0	0	± 0	7
Lutjanidae	<i>Lutjanus monostigma</i>	0	± 0	0.25	± 0.11	0.07	± 0.04	13
Lutjanidae	<i>Lutjanus papuensis</i>	0.03	± 0.02	0	± 0	0	± 0	1
Lutjanidae	<i>Lutjanus rivulatus</i>	0.03	± 0.02	0	± 0	0	± 0	1
Lutjanidae	<i>Lutjanus russellii</i>	0	± 0	0.03	± 0.02	0.03	± 0.02	2
Lutjanidae	<i>Lutjanus semicinctus</i>	0	± 0	0	± 0	0.12	± 0.06	5
Lutjanidae	<i>Macolor macularis</i>	4.82	± 1.69	1.23	± 0.32	0.05	± 0.03	244
Lutjanidae	<i>Macolor niger</i>	1.57	± 1.17	0.05	± 0.05	0	± 0	65
Lutjanidae	<i>Pinjalo lewisi</i>	1.3	± 1.16	0	± 0	0	± 0	52
Lutjanidae	<i>Pinjalo pinjalo</i>	0.32	± 0.32	0	± 0	0	± 0	13

Priacanthidae	<i>Priacanthus hamrur</i>	0.03	± 0.02	0	± 0	0	± 0	1
Scombridae	<i>Grammatorcynus bilineatus</i>	0.05	± 0.05	0	± 0	0	± 0	2
Scombridae	<i>Gymnosarda unicolor</i>	0.07	± 0.04	0.05	± 0.03	0	± 0	5
Serranidae	<i>Anyperodon leucogrammicus</i>	0	± 0	0	± 0	0.03	± 0.02	1
Serranidae	<i>Cephalopholis argus</i>	0.15	± 0.07	0	± 0	0.03	± 0.02	7
Serranidae	<i>Cephalopholis cyanostigma</i>	0.48	± 0.17	0.32	± 0.07	0	± 0	32
Serranidae	<i>Cephalopholis leopardus</i>	0.05	± 0.05	0	± 0	0.05	± 0.05	4
Serranidae	<i>Cephalopholis microprion</i>	0.25	± 0.16	0.03	± 0.02	0.07	± 0.04	14
Serranidae	<i>Cephalopholis miniata</i>	0.25	± 0.11	0	± 0	0	± 0	10
Serranidae	<i>Cephalopholis sexmaculata</i>	0.03	± 0.02	0	± 0	0	± 0	1
Serranidae	<i>Cephalopholis sonnerati</i>	0.03	± 0.02	0	± 0	0	± 0	1
Serranidae	<i>Cephalopholis urodeta</i>	0.45	± 0.43	0	± 0	0	± 0	18
Serranidae	<i>Diploprion bifasciatum</i>	0	± 0	0	± 0	0.05	± 0.03	2
Serranidae	<i>Epinephelus areolatus</i>	0.03	± 0.02	0	± 0	0	± 0	1
Serranidae	<i>Epinephelus coeruleopunctatus</i>	0.03	± 0.02	0	± 0	0.03	± 0.02	2
Serranidae	<i>Epinephelus fasciatus</i>	0.05	± 0.05	0	± 0	0	± 0	2
Serranidae	<i>Epinephelus polyphkadion</i>	0.03	± 0.02	0	± 0	0	± 0	1
Serranidae	<i>Epinephelus tauvina</i>	0.03	± 0.02	0	± 0	0	± 0	1
Serranidae	<i>Gracila albomarginata</i>	0.05	± 0.03	0	± 0	0	± 0	2
Serranidae	<i>Plectropomus laevis</i>	0.03	± 0.02	0	± 0	0	± 0	1
Serranidae	<i>Plectropomus leopardus</i>	0.12	± 0.05	0	± 0	0	± 0	5
Serranidae	<i>Plectropomus maculatus</i>	0.05	± 0.03	0	± 0	0.03	± 0.02	3
Serranidae	<i>Plectropomus oligacanthus</i>	1.02	± 0.29	0.25	± 0.08	0.1	± 0.06	55
Serranidae	<i>Variola albimarginata</i>	0.2	± 0.1	0.03	± 0.02	0	± 0	9
Sphyraenidae	<i>Sphyraena qenie</i>	31.88	± 23.05	0	± 0	0	± 0	1275

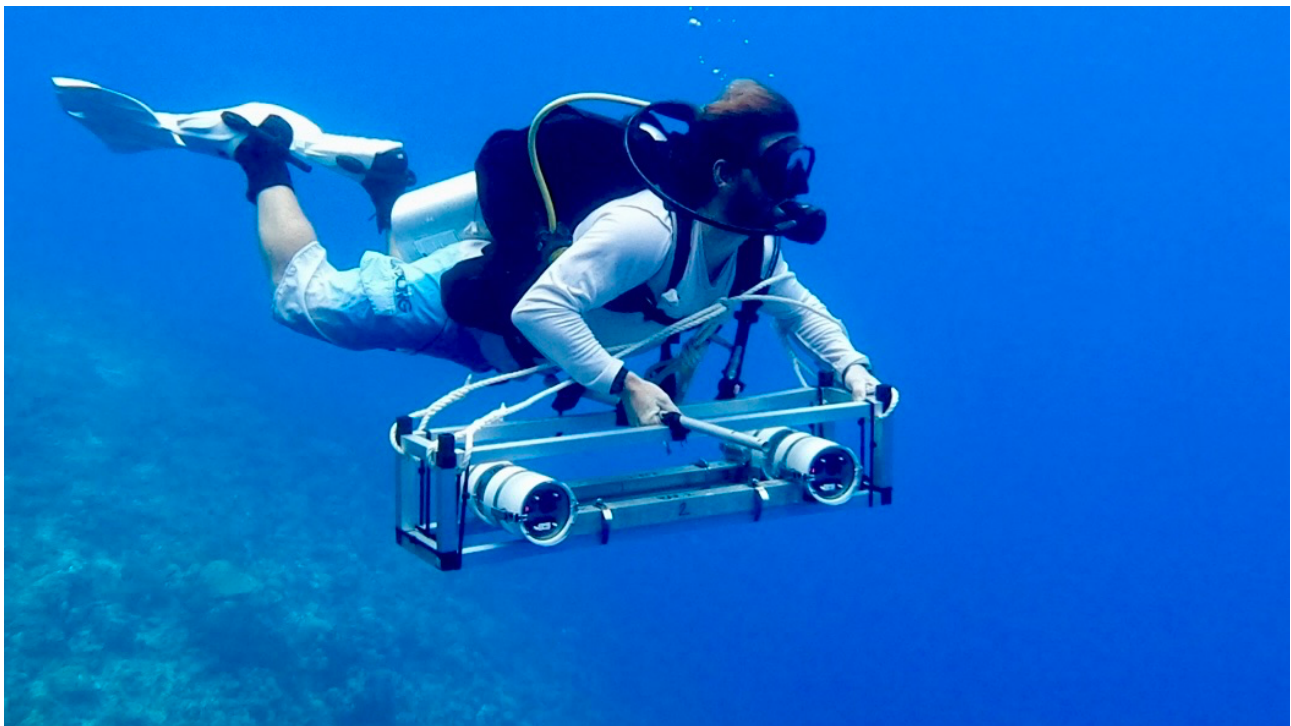


Fig. S1. Diver with stereo video system.

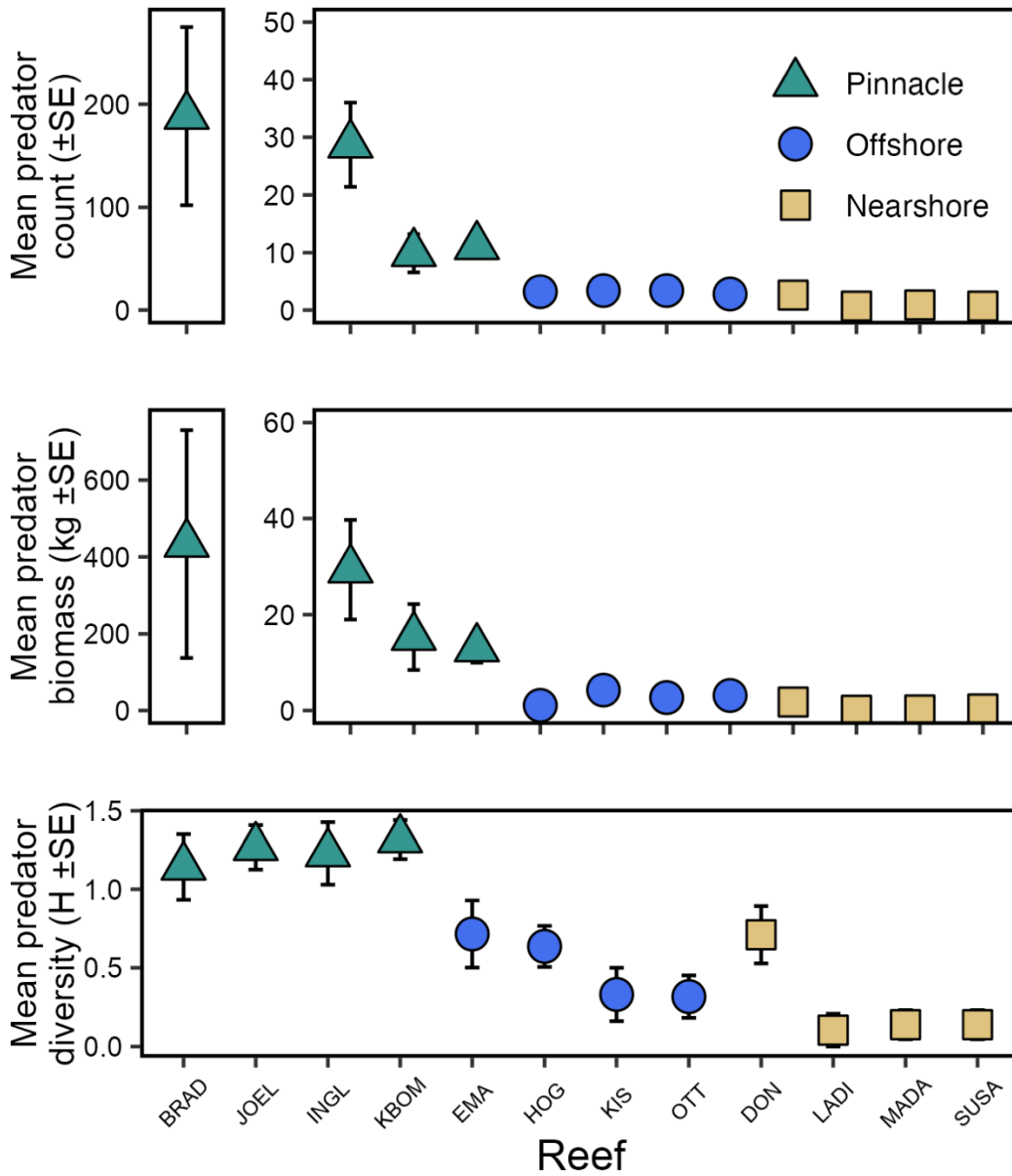


Fig. S2. Mean abundance, biomass and diversity values (150m²) for individual study sites. Point shape and colour signifies reef types, error bars ±SE.