

### **Supplementary Figure captions:**

**Figure S1:** Examples of multibeam bathymetry and backscatter raster datasets and their derivatives for the Northern Submerged Shoals indicate the range in bathymetry, backscatter and derivative values (see Table 1 for list of derivatives and their ecological contexts).

**Figure S2:** Comparing average epibenthic habitat measures in the field of view by reef. Percent cover of each category is estimated out of a total sum of 100 for each site. Four locations (Myrmidon Reef, Northern Submerged Shoals, Viper Reef and an inter-reefal transect) are included in this comparison, but there were no “Deep” sites at Viper Reef. Note:  $n$  varies per bar, 1-11 sites.

**Figure S3:** Comparing average substratum habitat measures in the field-of-view by reef. Percent cover of each category is estimated out of a total sum of 100 for each site. Four locations (Myrmidon Reef, Northern Submerged Shoals, Viper Reef and an inter-reefal transect) are included in this comparison, but there were no “Deep” sites at Viper Reef. Note:  $n$  varies per bar, 1-11 sites.

**Figure S4:** Nonmetric Multidimensional Scaling (nMDS) shows patterns between fish community composition and environmental variables, including epibenthic and substratum measured in the underwater camera field-of-view and multibeam echo sounder measured variables for four locations along the Great Barrier Reef shelf-edge with the fish species responsible for the variation among locations. Shallower sites nMDS (54-115 m) with ordination from Bray-Curtis dissimilarities in species abundance data, transformed using fourth-root transformation and standardised using Wisconsin-double standardisation.

**Figure S5:** Nonmetric Multidimensional Scaling (nMDS) shows patterns between fish community composition and environmental variables, including epibenthic and substratum measured in the underwater camera field-of-view and multibeam echo sounder measured variables for four locations along the Great Barrier Reef shelf-edge with the fish species responsible for the variation among locations. Middle sites nMDS (128-160 m) with ordination from Bray-Curtis dissimilarities in species abundance data, transformed using fourth-root transformation and standardised using Wisconsin-double standardisation.

**Figure S6:** Nonmetric Multidimensional Scaling (nMDS) shows patterns between fish community composition and environmental variables, including epibenthic and substratum measured in the underwater camera field-of-view and multibeam echo sounder measured variables for four locations along the Great Barrier Reef shelf-edge with the fish species responsible for the variation among locations. Deeper sites nMDS (179-260 m) with ordination from Bray-Curtis dissimilarities in species abundance data, transformed using fourth-root transformation and standardised using Wisconsin-double standardisation.

**Table S1.** Ecology of deep-reef fishes from Baited Remote Underwater Video Station videos. Only species identified to species-level are included, listed by family. CAAB codes refer to the Codes for Australian Aquatic Biota [119]. Australian Standard Names are provided, where there is no Australian Standard Name, the Fishbase common name is provided and noted with \*. Trophic groups and known habitat information links from Fishbase database [115]. Trophic groups are divided as follows: BC = benthic-associated carnivores (e.g., benthic crustaceans and infauna, small fish may be a portion of diet), PL = planktivores, H=herbivores, PI= Piscivores, GC = Generalist carnivores (i.e., larger range of diet items, may include fish and benthic crustaceans). For some species, the trophic group of a species is inferred based on the known diet of close family members\*\*. Known habitat is summarized from Fishbase, including original references. Fisheries species designation is also from Fishbase with the original references listed if provided. Fisheries status includes major or minor commercial, recreational or aquarium trade fisheries as these may pose a threat to general or local populations.

Species	CAAB Code	Australian Standard Name	Trophic Group	Fishbase Trophic and Habitat Information	Fisheries
Carcharhinidae					
<i>Carcharhinus albimarginatus</i> (Rüppell, 1837)	37018027	Silvertip Shark	GC	<a href="#">Fishbase/Carcharhinus-albimarginatus</a>	Yes
<i>Carcharhinus amblyrhynchos</i> (Bleeker, 1856)	37018030	Grey Reef Shark	GC	<a href="#">Fishbase/Carcharhinus-amblyrhynchos</a>	Yes
<i>Carcharhinus plumbeus</i> (Nardo, 1827)	37018007	Sandbar Shark	GC	<a href="#">Fishbase/Carcharhinus-plumbeus</a>	Yes
<i>Loxodon macrorhinus</i> Müller & Henle, 1839	37018005	Sliteye Shark	GC	<a href="#">Fishbase/loxodon-macrorhinus</a>	Yes
<i>Triaenodon obesus</i> (Rüppell, 1837)	37018038	Whitetip Reef Shark	GC	<a href="#">Fishbase/triaenodon-obesus</a>	Yes
Sphyrnidae					
<i>Sphyraena lewini</i> (Griffith & Smith, 1834)	37019001	Scalloped Hammerhead	GC	<a href="#">Fishbase/Sphyra-lewini</a>	Yes
Dasyatidae					
<i>Taeniurus meyeni</i> (Müller & Henle, 1841)	37035017	Blotched Fantail Ray	BC	<a href="#">Fishbase/taeniurus-meyeni</a>	Yes
Muraenidae					
<i>Gymnothorax berndti</i> Snyder, 1904	37060089	Y-Patterned Moray*	GC**	<a href="#">Fishbase/gymnothorax-berndti</a>	
<i>Gymnothorax elegans</i> Bliss, 1883	37060090	Elegant Moray*	GC**	<a href="#">Fishbase/gymnothorax-elegans</a>	
<i>Gymnothorax intesi</i> (Fourmanoir & Rivaton, 1979)	37060076	Whitetip Moray	GC**	<a href="#">Fishbase/gymnothorax-intesi</a>	
<i>Gymnothorax prionodon</i> Ogilby, 1895	37060049	Sawtooth Moray	GC**	<a href="#">Fishbase/gymnothorax-prionodon</a>	
Fistulariidae					
<i>Fistularia commersonii</i> Rüppell, 1838	37278001	Smooth Flutemouth	BC	<a href="#">Fishbase/fistularia-commersonii</a>	Yes
Serranidae					

Species	CAAB Code	Australian Standard Name	Trophic Group	Fishbase Trophic and Habitat Information	Fisheries
<i>Epinephelus cyanopodus</i> (Richardson, 1846)	3731114 5	Purple Rockcod	GC	<a href="#">Fishbase/epinephelus-cyanopodus</a>	Yes
<i>Epinephelus morrhua</i> (Valenciennes, 1833)	3731115 1	Comet Grouper	GC	<a href="#">Fishbase/epinephelus-morrhua</a>	Yes
<i>Plectranthias kelloggi</i> Jordan & Evermann, 1903	3731121 0	Eastern Flower Porgy*	Unknown	<a href="#">Fishbase/plectranthias-kelloggi</a>	
<i>Plectropomus leopardus</i> (Lacépède, 1802)	3731107 8	Common Coral Trout	PI	<a href="#">Fishbase/plectropomus-leopardus</a>	Yes
<i>Plectropomus laevis</i> (Lacépède, 1801)	3731107 9	Bluespotted Coral Trout	PI	<a href="#">Fishbase/plectropomus-laevis</a>	Yes
<i>Pseudanthias engelhardti</i> (Allen & Starck, 1982)	3731111 5	Barrier Reef Basslet	Unknown	<a href="#">Fishbase/pseudanthias-engelhardti</a>	
<i>Variola louti</i> (Forsskål, 1775)	3731116 6	Yellowedge Coronation Trout	GC	<a href="#">Fishbase/variola-louti</a>	Yes
Malacanthidae					
<i>Hoplolatilus markosi</i> Burgess, 1978	3733101 2	Redback Sand Tilefish*	BC**	<a href="#">Fishbase/hoplolatilus-markosi</a>	
Echeneidae					
<i>Echeneis naucrates</i> Linnaeus, 1758	3733600 1	Sharksucker	PI	<a href="#">Fishbase/echeneis-naucrates</a>	Yes
Carangidae					
<i>Carangoides caeruleopinnatus</i> (Rüppell, 1830)	3733702 1	Onion Trevally	PI	<a href="#">Fishbase/carangoides-coeruleopinnatus</a>	Yes
<i>Carangoides chrysophrys</i> (Cuvier, 1833)	3733701 1	Longnose Trevally	PI	<a href="#">Fishbase/carangoides-chrysophrys</a>	Yes
<i>Carangoides dinema</i> Bleeker 1851	3733707 8	Shadow Trevally	PI	<a href="#">Fishbase/carangoides-dinema</a>	Yes
<i>Carangoides ferdau</i> (Forsskål, 1775)	3733706 8	Blue Trevally	BC	<a href="#">Fishbase/carangoides-ferdau</a>	Yes
<i>Carangoides fulvoguttatus</i> (Forsskål, 1775)	3733703 7	Turrum	BC	<a href="#">Fishbase/carangoides-fulgoguttatus</a>	Yes
<i>Carangoides orthogrammus</i> (Jordan & Gilbert, 1882)	3733705 7	Thicklip Trevally	BC	<a href="#">Fishbase/carangoides-orthogrammus</a>	Yes
<i>Carangoides plagiotaenia</i> Bleeker, 1857	3733707 0	Barcheek Trevally	GC	<a href="#">Fishbase/carangoides-plagiotaenia</a>	Yes
<i>Caranx ignobilis</i> (Forsskål, 1775)	3733702 7	Giant Trevally	GC	<a href="#">Fishbase/caranx-ignobilis</a>	Yes
<i>Caranx melampygus</i> Cuvier, 1833	3733705 0	Bluefin Trevally	GC	<a href="#">Fishbase/caranx-melampygus</a>	Yes
<i>Gnathanodon speciosus</i> (Forsskål, 1775)	3733701 2	Golden Trevally	PI	<a href="#">Fishbase/gnathanodon-speciosus</a>	Yes
<i>Pseudocaranx dentex</i> (Bloch & Schneider, 1801)	3733706 2	Silver Trevally	PL, BC	<a href="#">Fishbase/pseudocaranx-dentex</a>	Yes
<i>Seriola dumerili</i> (Risso, 1810)	3733702 5	Amberjack	GC	<a href="#">Fishbase/seriola-dumerili</a>	Yes
<i>Seriola rivoliana</i> Valenciennes, 1833	3733705 2	Highfin Amberjack	GC	<a href="#">Fishbase/seriola-rivoliana</a>	Yes
Lutjanidae					
<i>Aphareus rutilans</i> Cuvier, 1830	3734600 1	Rusty Jobfish	GC	<a href="#">Fishbase/aphareus-rutilans</a>	Yes

Species	CAAB Code	Australian Standard Name	Trophic Group	Fishbase Trophic and Habitat Information	Fisheries
<i>Aprion virescens</i> Valenciennes, 1830	37346027	Green Jobfish	GC	<a href="#">Fishbase/aprion-virescens</a>	Yes
<i>Etelis carbunculus</i> Cuvier, 1828	37346014	Ruby Snapper	GC	<a href="#">Fishbase/etelis-carbunculus</a>	Yes
<i>Lipocheilus carnolabrum</i> (Chan, 1970)	37346031	Tang's Snapper	GC	<a href="#">Fishbase/lipocheilus-carnolabrum</a>	Yes
<i>Lutjanus bohar</i> (Forsskål, 1775)	37346029	Red Bass	GC	<a href="#">Fishbase/lutjanus-bohar</a>	Yes
<i>Lutjanus sebae</i> (Cuvier, 1816)	37346004	Red Emperor	GC	<a href="#">Fishbase/lutjanus-sebae</a>	Yes
<i>Paracaesio kusakarii</i> Abe, 1960	37346060	Saddleback Snapper	GC	<a href="#">Fishbase/paracaesio-kusakarii</a>	Yes
<i>Pristipomoides argyrogrammicus</i> (Valenciennes, 1831)	37346054	Ornate Jobfish	GC	<a href="#">Fishbase/pristipomoide-s-argyrogrammicus</a>	Yes
<i>Pristipomoides auricilla</i> (Jordan, Evermann & Tanaka, 1927)	37346059	Goldflag Snapper	PI, PL	<a href="#">Fishbase/pristipomoide-s-auricilla</a>	Yes
<i>Pristipomoides filamentosus</i> (Valenciennes, 1830)	37346032	Rosy Snapper	GC	<a href="#">Fishbase/pristipomoide-s-filamentosus</a>	Yes
<i>Pristipomoides multidens</i> (Day, 1870)	37346002	Goldbanded Snapper	GC	<a href="#">Fishbase/pristipomoide-s-multidens</a>	Yes
<i>Pristipomoides sieboldii</i> (Bleeker, 1857)	37346064	Lavender Snapper	GC	<a href="#">Fishbase/pristipomoide-s-sieboldii</a>	Yes
<i>Pristipomoides typus</i> Bleeker, 1852	37346019	Sharptooth Snapper	GC	<a href="#">Fishbase/pristipomoide-s-typus</a>	Yes
<i>Symphorus nematophorus</i> (Bleeker, 1860)	37346017	Chinamanfish	PI	<a href="#">Fishbase/symphorus-nematophorus</a>	Yes
Caesionidae					
<i>Pterocaesio marri</i> Schultz, 1953	37346068	Bigtail Fusilier	PL	<a href="#">Fishbase/pterocaesio-marri</a>	Yes
Nemipteridae					
<i>Nemipterus balinensis</i> (Bleeker, 1859)	37347039	Bali Threadfin Bream	BC**	<a href="#">Fishbase/nemipterus-balinensis</a>	Yes
<i>Pentapodus aureofasciatus</i> Russell, 2001	37347029	Yellowstripe Threadfin Bream	BC**	<a href="#">Fishbase/pentapodus-aureofasciatus</a>	
<i>Pentapodus nagasakensis</i> (Tanaka, 1915)	37347012	Japanese Threadfin Bream	BC	<a href="#">Fishbase/pentapodus-nagasakensis</a>	Yes
Lethrinidae					
<i>Gymnocranius euanus</i> (Günther, 1879)	37351022	Paddletail Seabream	BC	<a href="#">Fishbase/gymnocranius-euanus</a>	Yes
<i>Gymnocranius grandoculis</i> (Valenciennes, 1830)	37351005	Robinson's Seabream	GC	<a href="#">Fishbase/gymnocranius-grandoculis</a>	Yes
<i>Lethrinus laticaudis</i> Alleyne & Macleay, 1877	37351006	Grass Emperor	GC	<a href="#">Fishbase/lethrinus-laticaudis</a>	Yes
<i>Lethrinus miniatus</i> (Forster, 1801)	37351009	Redthroat Emperor	GC	<a href="#">Fishbase/lethrinus-miniatus</a>	Yes
<i>Lethrinus nebulosus</i> (Forsskål, 1775)	37351008	Spangled Emperor	GC	<a href="#">Fishbase/lethrinus-nebulosus</a>	Yes

Species	CAAB Code	Australian Standard Name	Trophic Group	Fishbase Trophic and Habitat Information	Fisheries
<i>Lethrinus olivaceus</i> Valenciennes, 1830	3735100 4	Longnose Emperor	GC	<a href="#">Fishbase/lethrinus-olivaceus</a>	
<i>Lethrinus rarus</i> Carpenter & Randall, 2003	3735103 1	Drab Emperor	Unknow n	<a href="#">Fishbase/lethrinus-rarus</a>	
<i>Lethrinus rubrioperculatus</i> Sato, 1978	3735101 2	Spotcheek Emperor	GC	<a href="#">Fishbase/lethrinus-rubrioperculatus</a>	
<i>Lethrinus semicinctus</i> Valenciennes, 1830	3735101 6	Blackblotch Emperor	GC	<a href="#">Fishbase/lethrinus-semicinctus</a>	Yes (Carpenter 1997)
<i>Wattsia mossambica</i> (Smith, 1957)	3735102 7	Mozambique Seabream	GC	<a href="#">Fishbase/wattsia-mossambica</a>	Yes (Carpenter 1997)
Mullidae					
<i>Mulloidichthys pfluegeri</i> (Steindachner, 1900)	3735504 0	Orange Goatfish	BC	<a href="#">Fishbase/mulloidichthys-pfluegeri</a>	Yes
<i>Parupeneus heptacantha</i> (Lacépède, 1802)	3735500 4	Cinnabar Goatfish	BC	<a href="#">Fishbase/parupeneus-heptacantha</a>	Yes
<i>Parupeneus multifasciatus</i> (Quoy & Gaimard, 1825)	3735502 6	Banded Goatfish	BC	<a href="#">Fishbase/parupeneus-multifasciatus</a>	Yes
<i>Parupeneus pleurostigma</i> (Bennett, 1831)	3735502 7	Sidespot Goatfish	BC	<a href="#">Fishbase/parupeneus-pleurostigma</a>	Yes
Chaetodontidae					
<i>Heniochus diphreutes</i> Jordan, 1903	3736500 5	Schooling Bannerfish	PL	<a href="#">Fishbase/heniochus-diphreutes</a>	Aquarium
Pomacanthidae					
<i>Pomacanthus imperator</i> (Bloch, 1787)	3736501 4	Emperor Angelfish	BC	<a href="#">Fishbase/pomacanthus-imperator</a>	Yes & Aquarium
<i>Pomacanthus semicirculatus</i> (Cuvier, 1831)	3736508 0	Blue Angelfish	BC	<a href="#">Fishbase/pomacanthus-semicirculatus</a>	Yes & Aquarium
Cirrhitidae					
<i>Cyprinocirrhites polyactis</i> (Bleeker, 1875)	3737400 6	Lyretail Hawkfish	PL	<a href="#">Fishbase/cyprinocirrhites-polyactis</a>	Aquarium
Pomacentridae					
<i>Chromis circumarea</i> Pyle, Earle & Greene, 2008	3737215 3	Gold-rim Chromis*	PL**	<a href="#">Fishbase/chromis-circumarea</a>	
<i>Chromis mirationis</i> Tanaka 1917	3737204 8	Japanese Puller	PL	<a href="#">Fishbase/chromis-mirationis</a>	
<i>Chromis okamurai</i> Yamakawa & Randall, 1989	3737215 4	Okinawa Chromis*	PL**	<a href="#">Fishbase/chromis-okamurai</a>	
Labridae					
<i>Bodianus anthioides</i> (Bennett, 1832)	3738405 2	Lyretail Pigfish	BC	<a href="#">Fishbase/bodianus-anthioides</a>	Aquarium
<i>Bodianus bennetti</i> Gomon and Walsh, 2016	3738421 9	Lemon-striped Pygmy Hogfish	BC**	<a href="#">Fishbase/bodianus-bennetti</a>	
<i>Bodianus bimaculatus</i> Allen, 1973	3738405 5	Twospot Pigfish	BC	<a href="#">Fishbase/bodianus-bimaculatus</a>	Aquarium
<i>Bodianus izuensis</i> Araga & Yoshino, 1975	3738405 8	Striped Pigfish	BC	<a href="#">Fishbase/bodianus-izuensis</a>	Aquarium

Species	CAAB Code	Australian Standard Name	Trophic Group	Fishbase Trophic and Habitat Information	Fisheries
<i>Bodianus masudai</i> Araga & Yoshino, 1975	3738422 1		BC	<a href="#">Fishbase/bodianus-masudai</a>	
<i>Cheilinus undulatus</i> Rüppell, 1835	3738403 8	Humphead Maori Wrasse	GC	<a href="#">Fishbase/cheilinus-undulatus</a>	Yes, and Aquarium
<i>Choerodon venustus</i> (De Vis, 1884)	3738404 2	Venus Tuskfish	Unknown	<a href="#">Fishbase/choerodon-venustus</a>	
<i>Cirrhitabrus punctatus</i> Randall & Kuiter, 1989	3738408 3	Finespot Wrasse	Unknown	<a href="#">Fishbase/cirrhitabrus-punctatus</a>	Aquarium
<i>Cirrhitabrus roseafascia</i> Randall & Lubbock, 1982	3738421 8	Pink-Banded Fairy Wrasse*	Unknown	<a href="#">Fishbase/cirrhitabrus-roseafascia</a>	Aquarium?
<i>Coris dorsomacula</i> Fowler, 1908	3738409 3	Pinklined Wrasse	Unknown	<a href="#">Fishbase/coris-dorsomacula</a>	Aquarium
<i>Labroides dimidiatus</i> (Valenciennes, 1839)	3738402 8	Common Cleanerfish	GC	<a href="#">Fishbase/labroides-dimidiatus</a>	Aquarium
<i>Oxycheilinus digrammus</i> (Lacépède, 1801)	3738406 5	Violetline Maori Wrasse	BC	<a href="#">Fishbase/oxycheilinus-digrammus</a>	Yes, and Aquarium
<i>Oxycheilinus orientalis</i> Günther, 1862	3738403 0	Oriental Maori Wrasse	GC	<a href="#">Fishbase/oxycheilinus-orientalis</a>	Yes, and Aquarium
<i>Terelabrus rubrovittatus</i> Randall & Fourmanoir, 1998	3738421 0	Yellowbar Hogfish*	Unknown	<a href="#">Fishbase/terelabrus-rubrovittatus</a>	
Pinguipedidae					
<i>Parapercis nebulosa</i> (Quoy & Gaimard, 1825)	3739000 5	Pinkbanded Grubfish	BC	<a href="#">Fishbase/parapercis-nebulosa</a>	Aquarium
Blenniidae					
<i>Meiacanthus luteus</i> Smith-Vaniz, 1987	3740805 4	Yellow Fangblenny	Unknown	<a href="#">Fishbase/meiacanthus-luteus</a>	
Acanthuridae					
<i>Acanthurus xanthopterus</i> Valenciennes, 1835	3743702 0	Yellowmask Surgeonfish	H, PL	<a href="#">Fishbase/acanthurus-xanthopterus</a>	Yes, and Aquarium
<i>Naso caesius</i> Randall & Bell, 1992	3743704 6	Silverblotched Unicornfish	PL	<a href="#">Fishbase/naso-caesius</a>	
Scombridae					
<i>Gymnosarda unicolor</i> (Rüppell, 1836)	3744102 9	Dogtooth Tuna	PI	<a href="#">Fishbase/gymnosarda-unicolor</a>	Yes
<i>Scomberomorus commerson</i> (Lacépède, 1800)	3744100 7	Spanish Mackerel	PI	<a href="#">Fishbase/scomberomorus-commerson</a>	Yes
Balistidae					
<i>Abalistes stellatus</i> (Anonymous, 1798)	3746501 1	Starry Triggerfish	Unknown	<a href="#">Fishbase/abalistes-stellatus</a>	
<i>Balistoides conspicillum</i> (Bloch & Schneider, 1801)	3746503 1	Clown Triggerfish	BC	<a href="#">Fishbase/balistoides-conspicillum</a>	Yes
<i>Sufflamen bursa</i> (Bloch & Schneider, 1801)	3746507 8	Pallid Triggerfish	BC	<a href="#">Fishbase/sufflamen-bursa</a>	Yes
<i>Sufflamen fraenatum</i> (Latreille, 1804)	3746501 4	Bridled Triggerfish	BC	<a href="#">Fishbase/sufflamen-fraenatum</a>	Yes
Tetraodontidae					

Species	CAAB Code	Australian Standard Name	Trophic Group	Fishbase Trophic and Habitat Information	Fisheries
<i>Trionodon macropterus</i> Lesson, 1831	3799188 5	Threetooth Puffer*	PL, BC	<a href="https://fishbase.org/Summary/SpeciesSummary.php?species_id=3799188">Fishbase/trionodon-macropterus</a>	

**Table S2:** Each habitat variable was compared in a simple linear model to principal components to see how different habitat gradients could explain the variation in the two major components (PC1 and PC2) between the trophic communities. Residual standard error is a measure of the quality of a linear regression fit and reported for a model with 45 degrees of freedom. Multibeam information from the  $50 \times 50$  kernel was used. For planar curvature, absolute values were compared. Significance values are expressed as \* ( $** p < 0.01$  and  $* p < 0.05$ ). Non-significant variables (not listed in table) included curvature, range, topographic position index, epibenthic categories (filterers, encrusting organisms, coral, *Halimeda*) and substratum categories (boulders, gravel, indeterminate substratum, mud, rubble).

Environmental variable		Residual Standard Error	R <sup>2</sup>	p-value	Residual Standard Error	R <sup>2</sup>	p-value
Depth (category)	Deep	0.55	0.20	NS			
	Middle			NS			
	Shallow			**			
Location (category)	Myrmidon	0.61	0.04	NS	0.61	0.02	NS
	Transect			NS			NS
	Northern			NS			NS
	Submerged Shoals			NS			
Viper				NS			NS
		PC1			PC2		
Depth		0.54	0.20	**	0.60	0.04	NS
Aspect (combined Easting and Northing)		0.58	0.09	*	0.56	0.01	NS
Average Depth		0.57	0.13	*	0.54	0.08	NS
Planar Curvature		0.58	0.09	*	0.56	0.02	NS
Slope		0.60	0.03	NS	0.52	0.13	*
Standard Deviation		0.60	0.07	NS	0.53	0.09	*
Surface Ratio		0.57	0.10	*	0.54	0.09	NS
Bare		0.55	0.19	**	0.61	0.00	NS
Plants		0.55	0.18	**	0.60	0.03	NS
Bedrock		0.56	0.15	**	0.59	0.05	NS
Calcified Reef		0.58	0.09	*	0.61	0.00	NS
Sand		0.57	0.12	*	0.60	0.03	NS