

Survey of shorefishes at Isla Montuosa, Gulf of Chiriqui, Panama
Latitude 7.465N Longitude -82,238 W
December 7-16, 1998

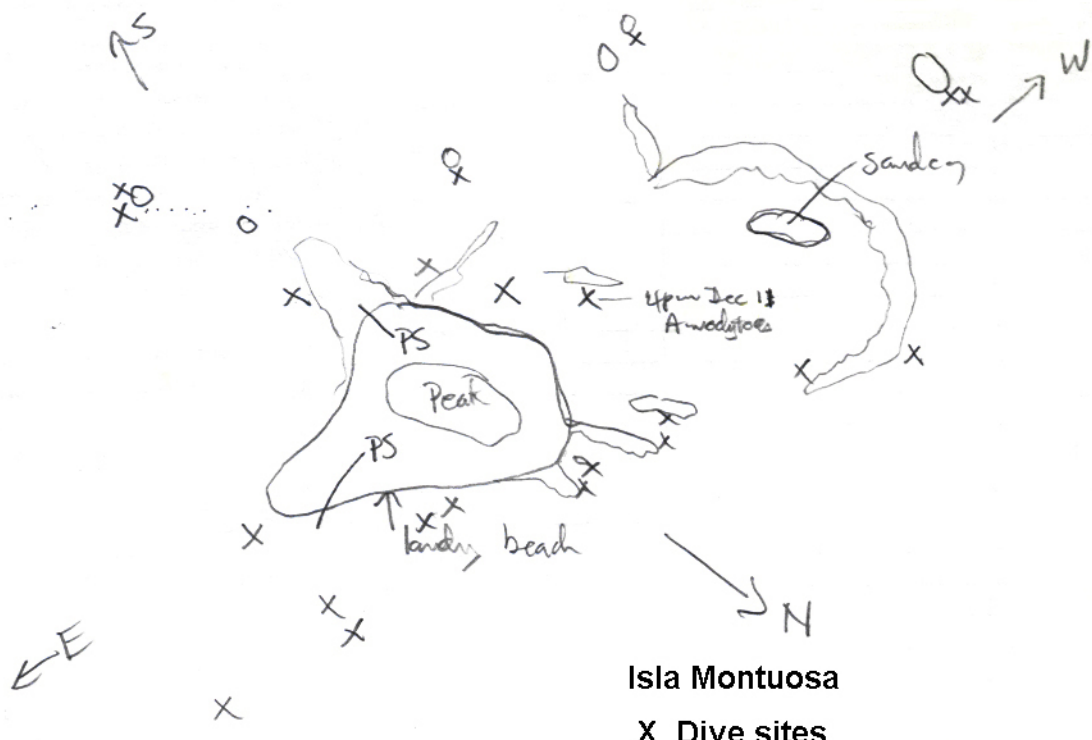
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Isla Montuosa
X Dive sites

DIVE CENSUSES TABLE page 1/2

Abundances are for all sites combined: R = Rare 1-2; UC= Uncommon <10; NUC= Not Uncommon ~10-20, C= Common ~25-50; A= Abundant - hundreds to thousands; Yes= present, cryptic so abundance couldn't be estimated

Species	CLOFTEP No	22 sites combined
Ginglymostoma cirratum	24	nuc
Carcharhinus limbatus	96	r
Triaenodon obesus	120	r
Diplobatis ommata	195	c
Narcine entemedor	199	nuc
Rhinobatos glaucostigma	175	nuc
Zapteryx zyster	181	r
Urotrygon chilensis	236	nuc
Echidna nebulosa	324	c
Echidna nocturna	325	c
Enchelycore octaviana	328	r
Gymnomuraena zebra	332	nuc
Gymnothorax castaneus	336	nuc
Gymnothorax dovii	337	nuc
Gymnothorax flavimarginatus	340	r
Gymnothorax panamensis	342	nuc
Gymnothorax undulatus	346	nuc
Muraena lentiginosa	352	nuc
Apterichtus equatorialis	420	c
Ichthyapus selachops	422	c
Myrichthys tigrinus	399	nuc
Paraetharchus pacificus	390	nuc
Quassiremus nothochir	415	r
Heteroconger klausewitzi	459	r
Synodus lacertinus	622	nuc
Otophidium indefatigabile	705	r
Ogilbia ventralis	729	r
Myripristis berndti	945	c
Myripristis leiognathus	948	c
Sargocentron suborbitalis	942	c
Fistularia commersonii	990	nuc
Cosmocampus arctus	969	nuc
Doryrhamphus excisus	962	nuc
Scorpaena mystes	1016	nuc
Scorpaena russula	1017	r
Scorpaenodes xyris	1020	nuc
Alphestes immaculatus	1112	nuc
Cephalopholis panamensis	1115	a
Dermatolepis dermatolepis	1117	c
Epinephelus labriformis	1125	a
Paranthias colonus	1137	a
Pseudogramma thaumasium	1145	r
Rypticus bicolor	1147	uc
Serranus psittacinus	1176	c
Heteropriacanthus cruentatus	1197	r
Apogon dovii	1208	c
Apogon pacificus	1210	c
Malacanthus brevirostris	1215	nuc
Caranx caballus	1245	c
Caranx caninus	1246	nuc
Caranx melampygus	1248	c
Caranx sexfasciatus	1251	c
Decapterus macarellus	1256	c
Decapterus macrosoma	1257	c
Decapterus muroadsi	1258	c
Elagatis bipinnulata	1277	c
Gnathanodon speciosus	1260	r
Seriola rivoliana	1283	r
Trachinotus rhodopus	1293	r
Trachinotus stilbe	1294	r
Hoplopagrus guentherii	1311	nuc
Lutjanus aratus	1314	r
Lutjanus argentiventris	1315	c
Lutjanus guttatus	1317	r
Lutjanus inermis	1318	c
Lutjanus jordani	1319	c
Lutjanus novemfasciatus	1320	nuc
Lutjanus viridis	1322	a
Anisotremus interruptus	1347	r
Haemulon sexfasciatum	1360	nuc
Mulloidichthys dentatus	1539	c
Kyphosus analogus	1572	c
Kyphosus elegans	1573	c
Sectator ocyurus	1575	c
Chaetodon humeralis	1545	c
Johnrandallia nigrirostris	1552	nuc
Holacanthus passer	1559	c
Pomacanthus zonipectus	1561	r
Cirrhichthys oxycephalus	1590	a

Species	CLOFTEP No	22 sites combined
Cirrhitus rivulatus	1592	c
Oxycirrhites typus	1594	r
Agonostomus monticola	785	nuc
Abudefduf concolor	1620	c
Abudefduf troschelii	1622	a
Chromis atrilobata	1611	c
Microspathodon bairdii	1626	r-uc
Microspathodon dorsalis	1627	c
Stegastes acapulcoensis	1631	c
Stegastes flavilatus	1634	c
Bodianus diplotaenia	1643	c
Halichoeres chierchiae	1657	c
Halichoeres dispilus	1659	c-a
Halichoeres melanotis	1662	c
Halichoeres nicholsi	1663	c
Halichoeres notospilus	1664	c
Iniistius pavo	1682	c
Novaculichthys taeniourus	1667	c
Stethojulis bandanensis	1673	nuc
Thalassoma grammaticum	1676	c
Thalassoma lucasanum	1675	a
Thalassoma purpureum	1677	nuc
Scarus compressus	1689	nuc
Scarus perrico	1691	uc
Scarus rubroviolaceus	1692	vc
Axoclinus lucillae	1718	c
Axoclinus nigricaudus	1720	c
Enneanectes carminalis	1726	r
Lepidonectes clarkhubbsi	1729	uc
Dialommus macrocephalus	1800	c
Malacoctenus ebisui	1785	c
Malacoctenus zonifer	1793	a
Paraclinus beebei	1806	yes
Paraclinus ditrichus	1807	yes
Paraclinus fehlmanni	1808	yes
Paraclinus magdalenae	2664	yes
Paraclinus mexicanus	1811	yes
Paraclinus monophthalmus	1812	yes
Paraclinus sini	1813	yes
Paraclinus stephensi	1814	yes
Paraclinus tanygnathus	1815	yes
Starksia cremnobates	1819	yes
Starksia fulva	1820	yes
Starksia galapagensis	1821	yes
Starksia grammilaga	1822	yes
Starksia hoesei	1824	yes
Starksia lepidogaster	1825	yes
Starksia posthon	1826	yes
Acanthemblemaria exilispinus	1850	nuc
Acanthemblemaria hancocki	1851	c
Emblemaria nivipes	1874	r
Mccoskerichthys sandae	1839	c
Ophioblennius steindachneri	1905	c
Plagiotremus azaleus	1885	c
Bathygobius andrei	1991	c
Bathygobius lineatus	1993	c
Bathygobius ramosus	1994	c
Elacatinus inornatus	2042	nuc
Elacatinus puncticulatus	2039	uc
Zanclus cornutus	2146	nuc
Acanthurus nigricans	2157	c
Acanthurus triostegus triostegus	2158	a
Acanthurus xanthopterus	2159	c
Ctenochaetus marginatus	2161	nuc
Prionurus laticlavus	2164	c
Sphyraena genie	2171	c
Euthynnus lineatus	2229	r
Cyclopsetta panamensis	2317	r
Bothus leopardinus	2291	nuc
Bothus mancus	2292	r
Balistes polylepis	2396	c
Canthidermis maculata	2398	c
Melichthys niger	2400	nuc
Melichthys vidua	2401	r
Pseudobalistes naufragium	2403	nuc
Sufflamen verres	2405	c
Aluterus scriptus	2411	nuc
Ostracion meleagris meleagris	2420	nuc
Arothron hispidus	2425	c
Arothron meleagris	2426	c
Canthigaster punctatissima	2443	a
Sphoeroides lobatus	2436	r
Diodon holocanthus	2450	nuc
Diodon hystrix	2451	nuc