

## Reef Fish Species Recorded Over All Sites

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## Appendix 2/Annexe 2

### Reef Fish Species Recorded Over All Sites

#### Liste des espèces de poissons récifaux identifiés sur tous les sites

Vince C. Kerr

This list includes all species of shallow (to 30 m depth) coral reef fishes observed in our survey of the Northwestern lagoon of New Caledonia in December 2007. The family classification used here is mainly based on Eschmeyer's Catalog of Fishes (1998).

A value for mean relative abundance is indicated for each species calculated across all sites where the species was observed. The scale of abundance used is described as follows. If a species was only seen once at a site it was given an abundance score of 1 representing rare. If a range of approximately 2–10 individuals of a species were observed at a site it was given an abundance score of 3 representing occasionally seen. If approximately 11–50 individuals of a species were seen it was given a score of 3 representing common. Where approximately 50 plus individuals were observed at a single site the species was given an abundance score of 4 representing abundant.

La liste inclut toutes les espèces de poissons de récifs coralliens présentes jusqu'à une profondeur de 30 m et observées lors de notre inventaire du lagon Nord-ouest de la Nouvelle Calédonie, en décembre 2007. La classification des familles utilisée ici est principalement basée sur Eschmeyer's Catalog of Fishes (1998).

Une valeur d'abondance relative moyenne est indiquée pour chaque espèce, prenant en compte tous les sites où l'espèce a été observée. L'échelle d'abondance est la suivante : si une espèce n'est observée qu'une fois sur un site, sa note d'abondance est de 1 (rare). Une note de 2 (occasionnelle) est attribuée lorsque 2 à 10 individus d'une espèce sont observés ; une note de 3 (commune) pour 11 à 50 individus, et une note de 4 (abondante) pour plus de 50 individus.

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>CARCHARHINIDAE</b>			
<i>Carcharhinus albimarginatus</i> (Rüppell, 1837)	Information not available		
<i>Carcharhinus amblyrhynchos</i> (Bleeker, 1856)	Information not available		
<i>Carcharhinus melanopterus</i> (Quoy & Gaimard, 1824)	Information not available		
<i>Triaenodon obesus</i> (Rüppell, 1835)	Information not available		
<b>DASYATIDAE</b>			
<i>Dasyatis kublîi</i> (Müller & Henle, 1841)	14, 13, 12, 24, 37, 36, 87, 49	8	1
<i>Himantura fai</i> (Jordan & Seale, 1906)	11	1	1
<i>Pastinachus sephen</i> (Forsskål, 1775)	62, 58, 79	3	1
<i>Urogymnus asperrimus</i> (Bloch & Schneider, 1801)	Information not available	3	1
<b>MURAENIDAE</b>			
<i>Gymnothorax javanicus</i> (Bleeker, 1859)	40, 58, 59, 60, 14, 9, 11, 2, 1, 22, 65, 29, 80, 84, 83	15	1.1
<i>Gymnothorax meleagris</i> (Shaw, 1795)	16	1	1
<b>CONGRIDAE</b>			
<i>Heteroconger hassi</i> (Klausewitz & Eibl-Eibsfeldt, 1959)	63, 42	2	2

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>CHANIDAE</b>			
<i>Chanos chanos</i> (Forsskål, 1775)	58, 61, 9, 7, 64	5	1
<b>ENGRAULIDAE</b>			
<i>Encrasicholina punctifer</i> (Fowler 1938)	87	1	4
<b>PLOTOSIDAE</b>			
<i>Plotosus lineatus</i> (Thunberg, 1787)	59, 14, 80, 83	4	3
<b>SYNODONTIDAE</b>			
<i>Saurida nebulosa</i> (Valenciennes, 1850)	41, 40, 3, 19, 20, 22, 38, 37, 36, 26, 28, 45, 43, 63, 42, 69, 33, 86, 87, 72, 73, 79, 84, 83, 48	25	1.6
<i>Saurida gracilis</i> (Quoy & Gaimard, 1824)	72	1	2
<i>Synodus binotatus</i> (Schultz, 1953)	14	1	1
<i>Synodus dermatogenys</i> (Fowler, 1912)	16, 1	2	1
<i>Synodus variegatus</i> (Lacepède, 1803)	42	1	1
<b>BELONIDAE</b>			
<i>Tylosurus crocodilus</i> (Peron & Lesueur, 1821)	40, 38, 37, 26, 85	5	2.4
<b>HOLOCENTRIDAE</b>			
<i>Myripristis berndti</i> (Jordan & Evermann, 1903)	41, 40, 62, 58, 59, 60, 61, 17, 13, 12, 9, 7, 11, 3, 38, 45, 79, 80, 84, 83	20	2.2
<i>Myripristis kuntzei</i> (Cuvier, 1831)	41, 62, 58, 59, 60, 61, 17, 14, 16, 12, 9, 7, 10, 2, 3, 37, 45, 63, 79, 80, 84, 83	22	2
<i>Myripristis pralinia</i> (Cuvier, 1829)	41, 40, 60, 16	4	2
<i>Myripristis adusta</i> (Bleeker, 1853)	69	1	4
<i>Neoniphon opercularis</i> (Valenciennes, 1831)	41, 16, 2, 1, 22, 28, 43, 69, 32, 72, 73, 74, 79, 84, 49, 48, 51, 52	18	2.7
<i>Neoniphon sammara</i> (Forsskål, 1775)	58, 59, 11, 2, 85, 87, 73, 74, 79, 48, 52	11	2.5
<i>Sargocentron caudimaculatum</i> (Rüppell, 1838)	40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 10, 3, 1, 19, 24, 38, 37, 45, 43, 42, 69, 29	22	2.2
<i>Sargocentron diadema</i> (Lacepède, 1801)	40, 62, 60, 61, 7, 11, 2, 1, 63, 32, 84, 83, 48	13	2.1
<i>Sargocentron praslini</i> (Lacepede, 1802)	2	1	2
<i>Sargocentron spiniferum</i> (Forsskål, 1775)	41, 40, 62, 58, 59, 60, 17, 14, 13, 12, 9, 7, 11, 2, 3, 1, 18, 19, 24, 38, 37, 36, 28, 45, 43, 69, 85, 86, 80, 83, 52	31	2
<b>AULOSTOMIDAE</b>			
<i>Aulostomus chinensis</i> (Linnaeus, 1758)	61, 9, 43, 63, 69, 33, 87, 84, 83	9	1.3
<b>FISTULARIIDAE</b>			
<i>Fistularia commersonii</i> (Rüppell, 1838)	60, 61, 10, 6, 1, 65, 63, 85, 83	9	1.3
<b>CENTRISCIDAE</b>			
<i>Aeoliscus strigatus</i> (Günther, 1860)	4, 1, 24	3	2.3
<b>SYNGNATHIDAE</b>			
<i>Corythoichthys amplexis</i> (Dawson & Randall, 1975)	43, 48	2	1
<i>Corythoichthys nigripictus</i> (Herald in Schultz et al., 1953)	73	1	2
<i>Corythoichthys flavofasciatus</i> (Rüppell, 1838)	13, 20, 37, 63, 29, 72, 84, 51	8	1.1
<i>Corythoichthys intestinalis</i> (Ramsay, 1881)	73, 83, 19	3	1

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>SCORPAENIDAE</b>			
<i>Dendrochirus zebra</i> (Cuvier in C &V, 1829)	22	1	1
<i>Pterois antennata</i> (Bloch, 1787)	36	1	1
<i>Pterois volitans</i> (Linnaeus, 1758)	6	1	1
<b>PLATYCEPHALIDAE</b>			
<i>Cymbacephalus beauforti</i> (Knapp, 1973)	38	1	1
<b>DACTYLOPTERIDAE</b>			
<i>Dactyloptera orientalis</i> (Cuvier in C &V, 1829)	24	1	1
<b>SERRANIDAE</b>			
<i>Anyperodon leucogrammicus</i> (Valenciennes, 1828)	60, 7, 11, 6, 3, 1, 84, 83	8	1.5
<i>Cephalopholis argus</i> (Bloch & Schneider, 1801)	41, 62, 58, 59, 60, 61, 16, 9, 7, 6, 3, 1, 45, 43, 63, 79, 80, 83	18	1.7
<i>Cephalopholis boenak</i> (Bloch, 1790)	40, 24, 37, 36, 43, 32, 86, 73, 79, 80, 49, 48	12	1.8
<i>Cephalopholis miniata</i> (Forsskål, 1775)	11, 2	2	1
<i>Cephalopholis urodeta</i> (Bloch & Schneider, 1801)	Information not available		
<i>Cromileptes altivelis</i> (Valenciennes, 1828)	Information not available		
<i>Diploprion bifasciatum</i> (Cuvier, 1828)	Information not available		
<i>Epinephelus areolatus</i> (Forsskal, 1775)	Information not available		
<i>Epinephelus caeruleopunctatus</i> (Bloch, 1790)	Information not available		
<i>Epinephelus coioides</i> (Hamilton, 1822)	Information not available		
<i>Epinephelus corallicola</i> (Valenciennes, 1828)	Information not available		
<i>Epinephelus cyanopodus</i> (Richardson, 1846)	Information not available		
<i>Epinephelus fasciatus</i> (Forsskål, 1775)	Information not available		
<i>Epinephelus howlandi</i> (Günther, 1873)	Information not available		
<i>Epinephelus laceolatus</i> (Bloch, 1790)	Information not available		
<i>Epinephelus maculatus</i> (Bloch, 1790)	Information not available		
<i>Epinephelus malabaricus</i> (Bloch & Schneider, 1801)	Information not available		
<i>Epinephelus merra</i> (Bloch, 1793)	Information not available		
<i>Epinephelus ongus</i> (Bloch, 1790)	Information not available		
<i>Epinephelus polyphekadion</i> (Bleeker, 1856)	Information not available		
<i>Plectropomus laevis</i> (Lacepède, 1802)	Information not available		
<i>Plectropomus leopardus</i> (Lacepède, 1802)	Information not available		
<i>Pseudanthias hypselosoma</i> (Bleeker, 1878)	41, 40, 17, 9, 7, 10, 6, 3, 37, 63, 64, 79, 80, 84, 83	15	3.3
<i>Pseudanthias pascalus</i> (Jordan & Tanaka, 1927)	41, 40, 58, 59, 60, 17, 9, 7, 6, 3, 65, 64, 79, 80	14	2.9
<i>Pseudanthias squamipinnis</i> (Peters, 1855)	40, 58, 17, 9, 7, 10, 6, 63, 64, 79, 80, 83	12	3.2
<i>Pseudoanthias pictilis</i> (Randall & Allan, 1978)	79, 84	2	2.5
<i>Serranocirrhites latus</i> (Watanabe, 1949)	59, 7, 6, 80	4	2.8
<i>Variola louti</i> (Forsskal in Niebuhr, 1775)	58, 59, 17, 9, 7, 11, 10, 6, 64, 83	10	1.4
<b>PRIACANTHIDAE</b>			
<i>Priacanthus blochii</i> (Bleeker 1853)	6	1	2
<i>Priacanthus hamrur</i> (Fosskall, 1775)	6, 24, 37, 43, 87, 79, 49	7	1.6
<b>PSEUDOCHEMIDAE</b>			
<i>Assessor macneili</i> (Whitley, 1935)	40, 12, 2, 1, 38, 45, 43, 69, 29, 73, 74, 80, 83, 49, 48	15	2.1
<i>Pseudochromis paccagnellae</i> (Axelrod, 1973)	59, 61, 17, 6, 2, 79, 84, 48	8	1.4

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>CIRRHITIDAE</b>			
<i>Cirrhitichthys falco</i> (Randall, 1963)	40, 62, 58, 59, 60, 61, 17, 16, 7, 11, 10, 2, 38, 36, 65, 43, 63, 64, 42, 69, 33, 87, 79, 80, 84, 83, 52	27	2.3
<i>Paracirrhites arcatus</i> (Cuvier, 1829)	58, 59, 61, 17, 16, 12, 9, 7, 11, 10, 2, 3, 1, 37, 63, 64, 79, 80, 84, 83	20	2
<i>Paracirrhites bicolor</i>	64	1	1
<i>Paracirrhites forsteri</i> (Schneider, 1801)	40, 62, 58, 61, 9, 11, 10, 2, 45, 87, 83, 49, 52	13	1.6
<i>Paracirrhites hemistictus</i> (Günther, 1874)	41, 59, 9, 2, 1, 80, 83, 49	8	1.6
<b>APOGONIDAE</b>			
<i>Apogon aureus</i> (Lacepède, 1802)	2	1	4
<i>Apogon compressus</i> (Smith & Radcliffe, 1911)	40, 62, 14, 13, 19, 28, 69, 29, 85, 86, 87, 74, 49, 48	14	2.1
<i>Apogon cyanosoma</i> (Bleeker, 1853)	41, 40, 12, 11, 6, 2, 3, 1, 20, 24, 36, 26, 28, 43, 42, 69, 85, 86, 87, 72, 73, 74, 49, 48, 51, 52	26	2.3
<i>Archamia fucata</i> (Cantor, 1850)	58, 85, 87, 73	4	2.5
<i>Archamia macroptea</i> (Cuvier in Cuvier & Valenciennes, 1828)	69, 29	2	2.5
<i>Archamia zosterophora</i> (Bleeker, 1856)	48	1	4
<i>Cheilodipterus artus</i> (Smith, 1961)	41, 40, 62, 58, 60, 61, 14, 16, 10, 2, 3, 1, 38, 65, 45, 43, 69, 29, 86, 87, 72, 73, 74	23	2.2
<i>Cheilodipterus isostigmus</i> (Schultz, 1940)	41, 40, 14, 12, 87, 56, 72, 73, 74, 84, 49, 48, 51, 52	14	2.4
<i>Cheilodipterus macrodon</i> (Lacepède, 1802)	41, 40, 62, 58, 60, 17, 16, 13, 12, 6, 2, 3, 24, 38, 26, 65, 43, 42, 32, 85, 87, 72, 73, 74, 49, 48	26	2
<i>Cheilodipterus quinquelineatus</i> (Cuvier, 1828)	41, 40, 62, 58, 60, 16, 13, 12, 7, 11, 10, 6, 2, 19, 20, 24, 38, 28, 45, 43, 42, 69, 29, 32, 85, 86, 87, 72, 73, 48, 51, 52	32	2.3
<i>Ostorhinchus doederleini</i> (Jordan & Snyder, 1901)	72	1	3
<i>Ostorhinchus flavus</i> (Allen & Randall, 1993)	41, 72	2	1.5
<i>Ostorhinchus nigrofasciatus</i> (Lachner, 1953)	40, 13, 1, 72, 80, 49, 48	7	1.4
<i>Pristiapogon fraenatus</i> (Valenciennes, 1832)	40, 85, 72	3	2.7
<i>Pristiapogon kallopterus</i> (Bleeker, 1856)	72	1	2
<i>Pristicon trimaculatus</i> (Cuvier, in C. & V. 1828)	48	1	1
<i>Siphamia versicolor</i> (Smith and Radcliffe, 1911)	32, 48	2	2
<i>Sphaeamia nematoptera</i> (Bleeker, 1856)	29	1	2
<i>Zorania leptacantha</i> (Bleeker, 1856)	13, 4, 20, 28, 69, 74	6	2.2
<b>MALACANTHIDAE</b>			
<i>Malacanthus brevivirostris</i> (Guichenot, 1848)	1, 65	2	1.5
<i>Malacanthus latovittatus</i> (Lacepède, 1801)	63	1	1
<b>ECHENEIDAE</b>			
<i>Echeneis naucrates</i> (Linnaeus, 1758)	61, 10, 2, 3, 1, 63, 69, 85, 49	9	1.2
<b>CARANGIDAE</b>			
<i>Alectis ciliaris</i> (Bloch, 1788)	6	1	1
<i>Atule mate</i> (Cuvier in C&V 1833)	32, 85, 56	3	2.7
<i>Carangoides ferdau</i> (Forsskål, 1775)	2, 24, 38, 37, 36, 26, 85, 83, 48	9	1.7
<i>Carangoides oblongus</i> (Cuvier in C&V 1833)	85, 83	2	2
<i>Carangoides orthogrammus</i> (Jordan & Gilbert 1882)	45, 43, 73	3	2.7
<i>Caranx ignobilis</i> (Forsskål, 1775)	7, 10, 1, 22, 24, 26, 43, 29, 48	9	1.3

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Caranx melampygus</i> (Cuvier, 1833)	9, 7, 6, 4, 20, 36, 26, 28, 69, 86, 87, 56, 83, 49	14	1.9
<i>Caranx papuensis</i> (Alleyne & Macleay, 1877)	10, 37, 36	3	1.7
<i>Caranx sexfasciatus</i> (Quoy & Gaimard, 1824)	63, 79, 80, 48	4	2.8
<i>Elagatis bipinnulatus</i> (Quoy & Gaimard, 1825)	65	1	3
<i>Gnathanodon speciosus</i> (Forsskål, 1775)	12, 1, 22, 38, 72	5	1.2
<i>Pseudocaranx denter</i> (Bloch & Schneider, 1801)	56, 57	2	3
<i>Scomberoides commersonianus</i> (Lacepede, 1801)	40, 45, 63, 32, 33, 85, 87	7	3.4
<i>Scomberoides lysan</i> (Forsskål, 1775)	41, 3, 37, 28, 63, 86, 73, 79, 49	9	2.1
<i>Seriola lalandi</i> (Valenciennes in C&V, 1833)	17	1	1
<i>Trachinotus baillonii</i> (Lacepede 1801)	56	1	2
<i>Trachinotus blochii</i> (Lacepede, 1801)	7, 10, 64	3	2.3
<b>LUTJANIDAE</b>			
<i>Aphareus furca</i> (Lacepede, 1802)	59, 17, 9, 7, 6, 80, 83	7	1.3
<i>Aprion virescens</i> (Valenciennes, 1830)	60, 61, 9, 65, 64, 42, 84, 52	8	1.1
<i>Lutjanus argentimaculatus</i> (Forsskål, 1775)	20, 24, 38, 29	4	1.5
<i>Lutjanus bohar</i> (Forsskål, 1775)	41, 62, 58, 59, 60, 61, 17, 12, 9, 7, 11, 6, 2, 3, 1, 22, 37, 36, 43, 63, 42, 69, 33, 73, 79, 80, 83, 48, 52	29	2.2
<i>Lutjanus fulviflamma</i> (Forsskål, 1775)	41, 40, 58, 17, 12, 9, 7, 11, 3, 1, 19, 22, 38, 28, 84, 83, 49	17	2.7
<i>Lutjanus fulvus</i> (Bloch & Schneider, 1801)	41, 62, 60, 61, 17, 12, 9, 7, 2, 3, 63, 29, 73, 83	14	1.8
<i>Lutjanus gibbus</i> (Forsskål, 1775)	41, 40, 62, 59, 61, 17, 9, 2, 3, 1, 38, 36, 43, 63, 85, 87, 84, 83, 48, 52	20	2.4
<i>Lutjanus kasmira</i> (Forsskål, 1775)	40, 16, 36, 28, 45, 84, 49	7	2.4
<i>Lutjanus lutjanus</i> (Bloch, 1790)	59, 61, 7, 38, 43	5	2.2
<i>Lutjanus monostigma</i> (Cuvier, 1828)	41, 40, 6, 2, 38, 37, 63, 79	8	2.0
<i>Lutjanus quinquelineatus</i> (Bloch, 1790)	41, 40, 62, 59, 61, 13, 12, 9, 7, 11, 2, 3, 4, 1, 18, 19, 22, 38, 37, 36, 26, 28, 45, 43, 63, 69, 29, 85, 87, 56, 57, 73, 74, 80, 84, 83, 49, 48	38	2.8
<i>Lutjanus rivulatus</i> (Cuvier, 1828)	19, 28, 43, 69, 29, 33, 85, 86, 48, 52	10	2.7
<i>Lutjanus russelli</i> (Bleeker, 1849)	28, 45, 43, 87, 56, 83, 49	7	1.9
<i>Lutjanus sebae</i> (Cucier, 1816)	19	1	1.0
<i>Lutjanus vitta</i> (Quoy & Gaimard, 1824)	37, 79	2	3.0
<i>Macolor macularis</i> (Fowler, 1931)	59, 60, 61, 17, 14, 9, 7, 6, 1, 38, 37, 36, 65, 63, 69, 79, 80, 84, 83, 48, 52	21	2.3
<i>Macolor niger</i> (Forsskål, 1775)	40, 17, 14, 9, 7, 11, 6, 3, 1, 37, 28, 63, 80, 84, 83, 49	16	2.3
<i>Symphoricthys spilurus</i> (Gunther, 1874)	69, 32	2	1.0
<b>CAESIONIDAE</b>			
<i>Caesio caeruleaurea</i> (Lacepede, 1802)	41, 40, 62, 58, 60, 61, 17, 14, 16, 13, 12, 9, 7, 11, 6, 3, 1, 19, 24, 38, 37, 36, 28, 45, 43, 63, 42, 69, 32, 33, 35, 85, 86, 87, 56, 57, 73, 74, 79, 80, 84, 83, 49, 48	44	3.7
<i>Caesio cuning</i> (Bloch, 1791)	40, 2, 28, 45, 32	5	3.2
<i>Caesio lunaris</i> (Cuvier, 1830)	2	1	2.0
<i>Caesio teres</i> (Seale, 1906)	40, 9, 2, 3, 1, 20, 24, 38, 37, 36, 63, 33, 85, 86, 87, 56, 49, 48, 52	19	3.3

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Pterocaesio diagramma</i> (Bleeker, 1865)	41, 40, 62, 58, 60, 61, 17, 14, 13, 2, 37, 36, 65, 43, 63, 42, 32, 33, 87, 73, 74	21	3.2
<i>Pterocaesio pisang</i> (Bleeker, 1853)	41, 40, 58, 60, 17, 14, 16, 13, 12, 7, 3, 36, 85, 86, 87, 79, 80, 84, 83, 49	20	3.2
<i>Pterocaesio tile</i> (Cuvier, 1830)	58, 60, 9, 65, 83	5	3.2
<i>Pterocaesio trilineata</i> (Carpenter, 1987)	41, 40, 16, 13, 12, 6, 3, 43, 63, 69, 73, 79, 80, 84, 83, 49	16	3.0
<b>HAEMULIDAE</b>			
<i>Diagramma pictum</i> (Thunberg, 1792)	24, 36, 45, 42, 29, 32, 33, 85	8	1.8
<i>Plectorhinchus albovittatus</i> (Rüppell, 1838)	7, 63, 69, 73, 74, 79, 83	7	1.1
<i>Plectorhinchus chaetodonoides</i> (Lacepède, 1800)	40, 58, 60, 14, 12, 9, 7, 2, 3, 1, 37, 28, 45, 63, 69, 32, 33, 86, 79, 80, 83, 48, 52	23	1.7
<i>Plectorhinchus flavomaculatus</i> (Cuvier, 1830)	51	1	2
<i>Plectorhinchus gibbosus</i> (Lacepède, 1802)	60, 61, 17, 7, 63, 64, 69, 72, 74, 83	10	1.9
<i>Plectorhinchus lineatus</i> (Linnaeus, 1758)	62, 58, 61, 17, 14, 13, 12, 9, 7, 2, 3, 1, 37, 36, 28, 45, 43, 63, 69, 29, 32, 73, 74, 80, 84, 83, 51, 52	28	2.3
<i>Plectorhinchus picus</i> (Cuvier, 1830)	62	1	2
<i>Plectorhinchus vittatus</i> (Linnaeus, 1758)	17, 14	2	1
<b>LETHRINIDAE</b>			
<i>Gnathodentex aurolineatus</i> (Lacepède, 1802)	59, 60, 61, 7, 3, 37, 65, 63, 69, 87, 84, 49, 48	13	3.2
<i>Gymnocranius euanus</i> (Günther, 1879)	22, 24, 36, 69, 85, 86, 84	7	2.1
<i>Gymnocranius grandoculis</i> (Valenciennes, 1830)	59, 60, 20, 42, 69, 85	6	2.2
<i>Gymnocranius</i> sp. (refer Allen 2005, blacknape large eyed bream)	6, 2, 28, 42, 83, 49	6	2.5
<i>Lethrinus atkinsoni</i> (Seale, 1909)	41, 61, 16, 9, 6, 3, 1, 37, 43, 63, 29, 87, 80, 52	14	1.8
<i>Lethrinus harak</i> (Forsskål, 1775)	4, 18, 29, 32, 33, 35, 87, 56, 48, 51, 52	11	2.5
<i>Lethrinus lentjan</i> (Lacepede 1802)	59, 74	2	2
<i>Lethrinus nebulosus</i> (Forsskål, 1775)	41, 16, 9, 36	4	2
<i>Lethrinus obsoletus</i> (Forsskål, 1775)	40, 62, 61, 17, 16, 3, 1, 36, 42, 29, 85, 79, 80, 84, 83, 48, 51, 52	18	2.7
<i>Lethrinus olivaceus</i> (Valenciennes, 1830)	62, 58, 61, 9, 7, 2, 24, 63, 64, 42, 69	11	1.4
<i>Lethrinus rubrioperculatus</i> (Sato, 1978)	38, 45, 42, 69, 29, 85, 84, 83, 49	9	2.4
<i>Lethrinus variegatus</i> (Valenciennes, 1830)	61, 17, 9, 7, 37, 85, 83, 49	8	2.1
<i>Monotaxis grandoculis</i> (Forsskål, 1775)	9, 7, 6, 3, 1, 63, 80, 83	8	3.3
<i>Monotaxis heterpdon</i> (Bleeker, 1854)	58, 59, 60, 61, 17, 16, 9, 7, 11, 6, 3, 1, 20, 43, 63, 42, 69, 87, 72, 79, 80, 84, 83, 52	24	3
<b>GERREIDAE</b>			
<i>Gerres oyna</i> (Forsskål in Neibuhr, 1775)	86, 87	2	2
<b>NEMIPTERIDAE</b>			
<i>Scolopsis affinis</i> (Peters, 1877)	2, 22, 32, 57, 72	5	2
<i>Scolopsis bilineatus</i> (Bloch, 1793)	41, 40, 62, 58, 59, 60, 61, 14, 16, 13, 12, 11, 10, 6, 2, 3, 4, 1, 18, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 63, 64, 42, 69, 29, 32, 33, 35, 85, 86, 87, 56, 72, 73, 74, 84, 83, 49, 48, 51, 52	51	3.3
<i>Scolopsis ciliatus</i> (Lacepède, 1802)	32, 86, 56, 57	4	2
<i>Scolopsis lineatus</i> (Quoy & Gaimard, 1824)	41, 40, 62, 14, 16, 12, 11, 6, 2, 4, 1, 18, 20, 22, 24, 38, 36, 28, 45, 43, 63, 42, 69, 29, 32, 34, 35, 87, 83	29	2.2
<i>Scolopsis trilineatus</i> (Kner, 1868)	60, 72, 73, 84	4	2

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>MULLIDAE</b>			
<i>Mulloidichthys flavolineatus</i> (Lacepède, 1801)	41, 40, 86, 87, 56, 73, 84, 49, 51, 52	10	2.3
<i>Mulloidichthys vanicolensis</i> (Valenciennes, 1831)	41, 40, 63, 69, 85, 84, 83, 49, 52	9	2.8
<i>Parupeneus barberinoides</i> (Bleeker, 1852)	40, 14, 12, 11, 10, 2, 4, 19, 22, 43, 42, 69, 84	13	2
<i>Parupeneus barberinus</i> (Lacepède, 1801)	41, 40, 62, 61, 14, 16, 12, 11, 6, 2, 3, 4, 1, 18, 19, 20, 22, 24, 38, 37, 36, 45, 43, 63, 42, 69, 32, 33, 35, 85, 86, 87, 72, 73, 74, 84, 83, 49, 48, 51, 52	41	2.5
<i>Parupeneus bifasciatus</i> (Lacepède, 1801)	58, 61, 9, 10, 3, 80	6	2
<i>Parupeneus ciliatus</i> (Lacepède, 1801)	41, 60, 13, 11, 2, 3, 1, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 69, 32, 34, 73, 83, 49	25	2.2
<i>Parupeneus cyclostomus</i> (Lacepède, 1801)	40, 62, 58, 59, 60, 14, 16, 9, 7, 2, 3, 1, 18, 36, 26, 65, 43, 63, 42, 69, 85, 73, 79, 83, 49, 48	26	2.3
<i>Parupeneus indicus</i> (Shaw, 1803)	22, 24, 29, 32, 51	5	2.4
<i>Parupeneus multifasciatus</i> (Quoy & Gaimard, 1825)	41, 40, 62, 58, 59, 60, 14, 16, 13, 12, 9, 7, 11, 10, 6, 2, 1, 18, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 63, 64, 42, 69, 32, 33, 35, 85, 86, 87, 72, 73, 74, 79, 80, 84, 83, 48, 51, 52	50	2.9
<i>Parupeneus pleurostigma</i> (Bennett, 1830)	40, 62, 61, 16, 12, 11, 2, 38, 43, 63, 72, 84	12	2.4
<i>Upeneus tragula</i> (Richardson, 1846)	22, 45, 43, 33, 34, 85, 86, 87, 56, 49, 51, 52	12	2.3
<b>PEMPHERIDAE</b>			
<i>Pempheris oualensis</i> (Cuvier, 1831)	7, 6, 79, 80	4	2.5
<b>KYPHOSIDAE</b>			
<i>Kyphosus bigibbus</i> (Lacepède, 1801)	2, 69	2	1.5
<i>Kyphosus sydneyanus</i> (Gunther, 1886)	6, 2, 63, 32	4	1.3
<b>CHAETODONTIDAE</b>			
<i>Chaetodon baronessa</i> (Cuvier, 1831)	2, 3, 1, 19, 24, 38, 37, 36, 26, 45, 43, 42, 29, 33, 34	15	2.4
<i>Chaetodon bennetti</i> (Cuvier, 1831)	41, 40, 4, 1, 24, 38, 37, 36, 26, 45, 43, 69, 29, 33, 85, 86, 49, 52	18	2.7
<i>Chaetodon citrinellus</i> (Cuvier, 1831)	41, 40, 62, 58, 59, 60, 17, 16, 13, 9, 11, 10, 2, 3, 1, 18, 19, 22, 24, 38, 37, 36, 26, 28, 63, 64, 42, 32, 33, 34, 35, 85, 86, 87, 72, 73, 74, 84, 83, 49, 48, 51, 52	43	2.5
<i>Chaetodon ephippium</i> (Cuvier, 1831)	58, 59, 60, 61, 17, 9, 7, 11, 10, 6, 2, 3, 18, 19, 20, 22, 24, 26, 28, 65, 45, 43, 64, 42, 69, 29, 32, 33, 56, 73, 74, 79, 80, 83, 49, 48	36	2.3
<i>Chaetodon flavirostris</i> (Günther, 1873)	41, 40, 62, 58, 59, 61, 14, 13, 9, 7, 11, 6, 1, 18, 19, 24, 38, 36, 26, 28, 65, 43, 64, 42, 69, 29, 32, 33, 34, 35, 85, 86, 87, 56, 57, 73, 74, 79, 80, 49, 48, 51, 52	43	2.6
<i>Chaetodon kleinii</i> (Bloch, 1790)	40, 3, 22, 37, 65, 63, 64, 42, 34, 84, 83, 51, 52	13	2.8
<i>Chaetodon lineolatus</i> (Cuvier, 1831)	22, 38, 37, 36, 63, 69, 29, 33, 35, 85, 86, 56, 57, 74	14	1.8
<i>Chaetodon lunula</i> (Lacepède, 1802)	9, 2, 34	3	1.3
<i>Chaetodon lunulatus</i> (Quoy & Gaimard, 1824)	41, 40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 7, 11, 6, 2, 3, 4, 1, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 63, 64, 42, 69, 29, 32, 33, 34, 35, 85, 86, 87, 56, 57, 73, 74, 79, 80, 83, 49, 48, 51, 52	53	3
<i>Chaetodon melannotus</i> (Bloch & Schneider, 1801)	58, 59, 9, 7, 11, 6, 4, 1, 18, 20, 24, 38, 26, 28, 45, 43, 42, 69, 33, 85, 86, 56, 57, 79, 83	25	2.2



Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Chaetodon mertensii</i> (Cuvier, 1831)	41, 40, 59, 60, 61, 17, 16, 12, 11, 10, 6, 3, 1, 20, 24, 38, 37, 36, 26, 28, 45, 43, 63, 64, 32, 33, 34, 35, 85, 86, 87, 56, 72, 73, 79, 84, 83, 49, 48, 52	40	2.8
<i>Chaetodon ou natissimus</i> (Cuvier, 1831)	9, 6	2	1.5
<i>Chaetodon pelewensis</i> (Kner, 1868)	58, 59, 60, 61, 17, 14, 12, 9, 7, 11, 10, 6, 2, 3, 1, 38, 65, 63, 33, 73, 79, 80, 84, 83, 49	25	2.5
<i>Chaetodon plebeius</i> (Cuvier, 1831)	41, 40, 62, 58, 59, 60, 17, 16, 13, 12, 7, 11, 6, 2, 3, 4, 1, 18, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 43, 63, 64, 42, 29, 32, 33, 34, 35, 85, 86, 87, 56, 57, 72, 74, 84, 49, 48, 51, 52	49	2.8
<i>Chaetodon rafflesi</i> (Bennett, 1830)	59, 17, 80	3	2.3
<i>Chaetodon reticulatus</i> (Cuvier, 1831)	58, 59, 60, 17, 9, 7, 6, 79, 80	9	2.1
<i>Chaetodon speculum</i> (Cuvier, 1831)	9, 7, 6, 3, 19, 24, 38, 37, 26, 69, 29, 32, 33, 34, 35, 85, 86, 56, 80	19	2.5
<i>Chaetodon trifascialis</i> (Quoy & Gaimard, 1825)	58, 59, 61, 17, 9, 7, 6, 2, 3, 1, 19, 20, 22, 24, 37, 36, 26, 45, 43, 63, 64, 42, 69, 32, 33	25	3
<i>Chaetodon ulietensis</i> (Cuvier, 1831)	41, 40, 62, 59, 61, 13, 7, 11, 10, 6, 2, 3, 1, 19, 24, 38, 37, 36, 26, 45, 43, 42, 69, 32, 33, 85, 86, 87, 56, 74, 80, 48, 52	33	2.6
<i>Chaetodon unimaculatus</i> (Bloch, 1787)	41, 40, 58, 59, 60, 61, 17, 16, 9, 7, 10, 6, 2, 3, 1, 37, 36, 63, 64, 42, 80, 83, 49	23	2.8
<i>Chaetodon vagabundus</i> (Linnaeus, 1758)	41, 40, 62, 58, 59, 60, 61, 14, 16, 13, 12, 9, 7, 11, 10, 6, 3, 4, 1, 18, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 63, 64, 42, 69, 29, 32, 33, 35, 85, 86, 87, 56, 57, 72, 73, 74, 79, 80, 84, 83, 49, 48, 51, 52	54	2.9
<i>Forcipiger flavissimus</i> (Jordan & McGregor, 1898)	40, 58, 59, 60, 61, 17, 7, 11, 6, 3, 63, 69, 79, 80, 84	15	2.3
<i>Forcipiger longirostris</i> (Broussonet, 1782)	58, 59, 60, 61, 17, 16, 9, 6, 3, 1, 63, 69, 73, 74, 79, 80, 84, 83	18	2.2
<i>Hemitaurichthys polylepis</i> (Bleaker 1857)	59, 9, 6, 43, 79, 80	6	3.2
<i>Heniochus acuminatus</i> (Linnaeus, 1758)	41, 40, 58, 59, 60, 16, 11, 6, 3, 20, 24, 38, 37, 36, 65, 29, 33, 35, 86, 56, 79, 80, 84, 83, 48, 51, 52	27	2.4
<i>Heniochus chrysostomus</i> (Cuvier, 1831)	41, 40, 62, 58, 60, 61, 17, 14, 16, 13, 12, 7, 11, 6, 2, 3, 4, 1, 19, 20, 22, 38, 37, 36, 28, 43, 63, 42, 32, 33, 86, 87, 73, 84, 83, 49, 48, 51	38	2.7
<i>Heniochus monoceros</i> (Cuvier, 1831)	62, 59, 60, 61, 17, 9, 7, 6, 1, 24, 38, 37, 65, 43, 63, 29, 32, 33, 35, 85, 86, 87, 74, 79, 80, 84, 83, 49, 48, 52	30	2.2
<i>Heniochus singularis</i> (Smith & Radcliffe, 1911)	58, 9, 6, 2, 3, 24, 37, 33, 79, 80, 84, 83	12	1.8
<b>POMACANTHIDAE</b>			
<i>Centropyge bicolor</i> (Bloch, 1787)	41, 14, 16, 11, 10, 6, 2, 3, 1, 19, 38, 37, 36, 26, 63, 42, 85, 86, 87, 84, 83, 49, 51, 52	24	2.6
<i>Centropyge bispinosus</i> (Günther, 1860)	41, 40, 62, 58, 59, 60, 17, 14, 16, 13, 12, 9, 7, 11, 10, 6, 2, 3, 1, 24, 38, 37, 36, 65, 45, 43, 63, 64, 42, 69, 33, 86, 87, 73, 74, 79, 80, 84, 83, 49, 48, 51, 52	43	2.8
<i>Centropyge flavissimus</i> (Cuvier, 1831)	62, 58, 59, 60, 17, 14, 16, 12, 9, 7, 11, 10, 2, 37, 36, 65, 63, 64, 69, 87, 73, 74, 80, 84, 83	25	2.4
<i>Centropyge tibicen</i> (Cuvier, 1831)	41, 40, 60, 9, 7, 11, 10, 2, 1, 38, 37, 36, 26, 45, 43, 63, 42, 69, 32, 33, 87, 73, 74, 84, 83, 48, 52	27	2.7
<i>Genicanthus melanospilos</i> (Bleeker, 1857)	43	1	2

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Genicanthus watanabei</i> (Yasuda & Tominaga 1970)	79, 80, 83	3	2
<i>Paracentropyge multifasciata</i> (Smith & Radcliffe, 1911)	58, 7, 32	3	2
<i>Pomacanthus imperator</i> (Bloch, 1787)	62, 58, 59, 60, 17, 14, 16, 13, 12, 7, 10, 6, 2, 3, 38, 65, 63, 80	18	1.6
<i>Pomacanthus semicirculatus</i> (Cuvier, 1831)	17, 7, 6, 38, 86, 72	6	1.3
<i>Pomacanthus sextriatus</i> (Cuvier, 1831)	41, 40, 58, 59, 60, 2, 1, 19, 24, 38, 37, 36, 43, 64, 29, 85, 86, 87, 56, 74	20	2.1
<i>Pygoplites diacanthus</i> (Boddaert, 1772)	3, 1, 36, 43, 63, 69, 74, 79, 80, 83	10	1.9
<b>POMACENTRIDAE</b>			
<i>Abudefduf septemfasciatus</i> (Cuvier in Cuvier and Valenciennes, 1830)	61, 2	2	3.0
<i>Abudefduf sexfasciatus</i> (Lacepède, 1802)	40, 62, 58, 59, 60, 61, 17, 14, 16, 9, 11, 2, 3, 4, 18, 19, 20, 22, 38, 37, 36, 26, 28, 45, 43, 63, 42, 69, 29, 32, 33, 34, 35, 85, 86, 87, 56, 57, 72, 73, 74, 79, 84, 83, 49, 52	46	3.6
<i>Abudefduf vaigiensis</i> (Quoy & Gaimard, 1825)	40, 58, 59, 60, 16, 9, 2, 1, 28, 32, 48	11	2.9
<i>Abudefduf whitleyi</i> (Allen & Robertson, 1974)	58, 59, 61, 17, 9, 2, 1, 38, 37, 26, 43, 32, 33, 35, 85, 48	16	3.1
<i>Amblyglyphidodon aureus</i> (Cuvier, 1830)	40, 58, 59, 61, 7, 11, 10, 2, 3, 56, 79, 83	12	2.5
<i>Amblyglyphidodon curacao</i> (Bloch, 1787)	41, 40, 62, 61, 14, 13, 2, 3, 4, 1, 18, 19, 20, 22, 24, 38, 37, 36, 26, 28, 45, 43, 63, 42, 69, 29, 32, 33, 35, 85, 86, 87, 73, 74, 83, 49, 48, 51, 52	39	3.5
<i>Amblyglyphidodon leucogaster</i> (Bleeker, 1847)	62, 58, 59, 60, 61, 14, 9, 7, 10, 6, 2, 3, 4, 1, 19, 20, 45, 43, 69, 29, 32, 33, 34, 35, 85, 86, 87, 73, 74, 79, 83, 49, 48, 51, 52	35	2.6
<i>Amphiprion akindynos</i> (Allen, 1972)	40, 58, 61	3	2.3
<i>Amphiprion clarkii</i> (Bennett, 1830)	58, 59, 60, 61, 17, 16, 11, 10, 6, 2, 3, 1, 18, 37, 36, 65, 45, 43, 63, 69, 87, 72, 79, 84	24	1.8
<i>Amphiprion melanopus</i> (Bleeker, 1852)	59, 16, 9, 7, 11, 3, 1, 18, 22, 24, 37, 36, 63, 42, 69, 34, 85, 86, 87, 72, 74, 80, 49, 51	24	2.2
<i>Amphiprion perideraion</i> (Bleeker, 1855)	60, 14, 37	3	1.0
<i>Chromis agilis</i> (Smith, 1960)	58, 59, 60, 17, 16, 9, 7, 11, 6, 2	10	3.1
<i>Chromis amboinensis</i> (Bleeker, 1873)	2, 69	2	3.5
<i>Chromis analis</i>	61, 12	2	2.0
<i>Chromis atripes</i> (Fowler & Bean, 1928)	9, 7, 11, 19, 20, 22, 38, 37, 36, 45, 63, 74, 79, 84, 83	15	2.9
<i>Chromis chrysurus</i> (Bliss, 1883)	58, 59, 60, 61, 2, 3, 65, 42, 69, 87, 79, 80, 83, 49, 48	15	2.9
<i>Chromis flavomaculata</i> (Kamohara, 1960)	58, 59, 16, 12, 7, 64	6	2.7
<i>Chromis fumea</i> (Tanaka, 1917)	62, 58, 59, 60, 61, 17, 16, 9, 7, 11, 6, 2, 3, 1, 24, 38, 37, 43, 63, 64, 74, 79, 80, 84, 83	25	3.2
<i>Chromis iomelas</i> (Jordan & Seale, 1906)	62, 59, 60, 61, 17, 16, 12, 9, 7, 10, 6, 3, 38, 37, 65, 43, 63, 69, 79, 80, 84, 83	22	3.4
<i>Chromis leucura</i> (Gilbert, 1905)	9, 7	2	3.0
<i>Chromis margaritifer</i> (Fowler, 1946)	62, 58, 60, 61, 17, 14, 16, 9, 7, 10, 6, 3, 38, 37, 65, 63, 64, 80, 84, 83	20	3.5
<i>Chromis nitida</i> (Whitley 1928)	85	1	3.0
<i>Chromis retrofasciata</i> (Weber, 19130)	7, 3, 38, 43, 69, 72, 73, 79, 80, 84, 49, 52	12	2.3

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Chromis ternatensis</i> (Bleeker, 1856)	61, 37, 43, 69, 74, 79, 80, 84, 83, 49, 48	11	3.2
<i>Chromis vanderbilti</i> (Fowler, 1941)	58, 59, 60, 17, 16, 9, 7, 6, 63, 64, 29, 80, 83	13	3.5
<i>Chromis viridis</i> (Cuvier, 1830)	41, 40, 58, 16, 13, 12, 7, 11, 2, 3, 4, 1, 19, 20, 22, 24, 38, 37, 36, 26, 45, 43, 63, 42, 69, 29, 32, 33, 35, 85, 86, 87, 56, 72, 73, 74, 49, 48, 51, 52	40	3.7
<i>Chromis xanthura</i> (Bleeker, 1854)	41, 40, 62, 58, 59, 60, 16, 12, 9, 7, 10, 6, 2, 1, 37, 36, 63, 64, 80, 83	20	3.2
<i>Chrysiptera biocellata</i> (Quoy & Gaimard, 1824)	58, 59, 86	3	2.3
<i>Chrysiptera cyanea</i> (Quoy & Gaimard, 1825)	61, 85, 86	3	2.3
<i>Chrysiptera glauca</i> (Cuvier in C&V, 1830)	74	1	2.0
<i>Chrysiptera rex</i> (Snyder, 1909)	41, 58, 59, 60, 61, 17, 16, 12, 9, 7, 11, 10, 6, 2, 3, 45, 43, 63, 64, 42, 69, 32, 33, 85, 86, 87, 56, 74, 79, 80, 83, 52	32	2.6
<i>Chrysiptera rollandi</i> (Whitley, 1961)	41, 14, 13, 6, 2, 3, 1, 19, 20, 24, 38, 37, 36, 26, 28, 45, 42, 86, 87, 74, 79, 84, 83, 49, 48, 51, 52	27	3.0
<i>Chrysiptera starcki</i> (Allen, 1973)	17, 9, 7, 6, 2	5	2.8
<i>Chrysiptera taupou</i> (Jordan & Seale, 1906)	40, 62, 58, 60, 61, 17, 14, 16, 13, 11, 6, 2, 3, 4, 1, 18, 20, 22, 24, 38, 37, 36, 65, 45, 43, 63, 64, 42, 69, 32, 33, 34, 35, 85, 86, 87, 56, 57, 72, 73, 74, 79, 80, 84, 83, 49, 48, 51, 52	49	3.1
<i>Chrysiptera unimaculata</i> (Cuvier in C&V 1830)	62, 13, 12	3	2.7
<i>Dascyllus aruanus</i> (Linnaeus, 1758)	41, 40, 62, 60, 61, 14, 13, 12, 11, 2, 4, 1, 19, 20, 22, 24, 38, 37, 36, 26, 45, 43, 42, 69, 32, 33, 85, 86, 87, 72, 73, 74, 84, 49, 48, 51, 52	37	3.4
<i>Dascyllus flavicaudus</i> (Randall & Allen 1977)	41, 40, 61, 13, 7, 3, 1, 38, 37, 36, 43, 63, 42, 79	14	3.1
<i>Dascyllus reticulatus</i> (Richardson, 1846)	58, 60, 61, 2, 3, 1, 37, 65, 45, 63, 64, 42, 69, 33, 72, 80	16	3.1
<i>Dascyllus trimaculatus</i> (Rüppell, 1828)	60, 61, 17, 16, 11, 2, 3, 1, 36, 65, 63, 64, 42, 72, 74, 79, 52	17	2.5
<i>Dischistodus fasciatus</i>	16, 13, 12, 11, 2, 4, 29, 72, 74, 48	10	2.8
<i>Lepidozygus tapeinosoma</i> (Bleeker, 1856)	80, 84	2	4.0
<i>Neoglyphidodon nigroris</i> (Cuvier, 1830)	40, 7, 11, 10, 2, 19, 24, 37, 28, 42, 69, 29, 32, 34, 35, 85, 86, 87, 57, 73, 74, 80, 84, 83, 49, 48, 51	27	2.8
<i>Neoglyphidon melas</i>	17, 26, 28, 43, 42, 69, 29, 32, 34, 86, 74	11	2.0
<i>Neopomacentrus azysron</i> (Bleeker, 1877)	41, 40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 9, 7, 11, 10, 6, 2, 3, 4, 1, 19, 20, 22, 24, 37, 36, 28, 63, 42, 29, 32, 33, 87, 56, 57, 74, 79, 80, 84, 83, 49, 48, 51, 52	44	3.3
<i>Neopomacentrus bankieri</i> (Richardson, 1846)	28, 85, 86, 56, 48, 52	6	2.3
<i>Neopomacentrus nemurus</i> (Bleeker, 1857)	14	1	2.0
<i>Plectroglyphidodon flaviventris</i> (Allan & Randall 1974)	61	1	3.0
<i>Plectroglyphidodon johnstonianus</i> (Fowler & Ball, 1924)	62, 58, 59, 61, 17, 9, 7, 6, 37, 36, 63, 42, 69, 87, 79, 80	16	2.5
<i>Plectroglyphidodon lacrymatus</i> (Quoy & Gaimard, 1824)	40, 62, 58, 59, 61, 17, 14, 16, 13, 12, 7, 11, 10, 6, 3, 19, 20, 38, 37, 63, 42, 69, 33, 73, 74, 79, 80, 83, 49	29	3.3
<i>Plectroglyphidodon leucozonus</i> (Bleeker, 1859)	14, 20	2	2.5
<i>Plectroglyphidodon phoenixensis</i>	58, 61	2	1.0

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Plectropglyphidodon dicki</i> (Liènard, 1839)	62, 58, 59, 61, 17, 9, 7, 10, 6, 3, 37, 26, 63, 64, 42, 33, 87, 80, 84, 49	20	3.1
<i>Pomacentrus amboinensis</i> (Bleeker, 1868)	41, 40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 12, 7, 11, 10, 1, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 63, 42, 69, 29, 32, 33, 85, 86, 87, 56, 72, 73, 74, 84, 49, 48, 51, 52	46	3.1
<i>Pomacentrus aurifrons</i> (Allen, 2004)	41, 40, 4, 1, 20, 22, 24, 38, 37, 26, 28, 43, 42, 29, 32, 33, 35, 86, 87, 56, 49, 48, 51, 52	24	3.4
<i>Pomacentrus bankanensis</i> (Bleeker, 1853)	60, 61, 13, 9, 7, 6, 2, 3, 20, 22, 37, 36, 26, 45, 43, 63, 42, 69, 29, 32, 33, 35, 85, 86, 79, 84, 83, 49, 48, 51, 52	31	3.5
<i>Pomacentrus brachialis</i> (Cuvier, 1830)	61, 19, 37, 28, 83	5	2.0
<i>Pomacentrus chrysurus</i> (Cuvier, 1830)	41, 40, 62, 58, 59, 60, 61, 13, 6, 2, 3, 1, 18, 19, 20, 22, 38, 37, 36, 26, 28, 45, 63, 64, 42, 29, 33, 34, 85, 86, 87, 56, 57, 72, 73, 74, 79, 80, 84, 83, 48, 51, 52	43	3.3
<i>Pomacentrus coelestis</i> (Jordan & Starks, 1901)	41, 40, 62, 58, 59, 60, 61, 16, 13, 12, 11, 10, 6, 2, 20, 24, 38, 37, 36, 65, 45, 43, 63, 64, 42, 85, 87, 79, 83	29	2.7
<i>Pomacentrus grammorhynchus</i> (Fowler, 1918)	16, 12, 10, 36, 26, 28, 35	7	2.6
<i>Pomacentrus imitator</i> (Whitley, 1964)	62, 61, 17, 12	4	2.3
<i>Pomacentrus lepidogenys</i> (Fowler & Ball, 1928)	40, 62, 45, 73	4	2.8
<i>Pomacentrus molluccensis</i> (Bleeker, 1853)	41, 40, 17, 16, 13, 12, 9, 2, 4, 1, 18, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 63, 42, 69, 29, 32, 33, 34, 35, 86, 87, 56, 57, 73, 74, 79, 84, 49, 48, 51, 52	43	3.1
<i>Pomacentrus pavo</i> (Bloch, 1787)	41, 40, 12, 11, 4, 37, 36, 28, 65, 42, 86, 87, 73, 74, 84, 49, 51, 52	18	2.9
<i>Pomacentrus philippinus</i> (Evermann & Seale, 1907)	19, 22, 24, 37, 26, 45	6	2.3
<i>Pomacentrus spilotoceps</i> (Randall, 2002)	59, 60, 16, 12, 9, 7, 11, 10, 6, 3, 19, 20, 38, 28, 35, 86, 73, 74, 79, 80, 84, 83, 48, 52	24	3.0
<i>Pomacentrus vaiuli</i> (Jordan & Seale, 1906)	41, 62, 60, 61, 17, 14, 16, 12, 9, 7, 10, 6, 2, 20, 38, 37, 36, 65, 69, 32, 33, 34, 85, 72, 73, 74, 84, 83, 49, 52	30	2.6
<i>Stegastes albifasciatus</i> (Schlegel & Müller, 1839)	3, 79	2	2.0
<i>Stegastes fasciolatus</i> (Ogilby, 1889)	40, 62, 58, 59, 61, 17, 14, 16, 13, 12, 7, 11, 4, 19, 20, 22, 38, 37, 36, 26, 28, 45, 43, 42, 69, 29, 33, 34, 35, 87, 57, 74, 49	33	3.8
<i>Stegastes gascoynei</i> (Whitley, 1964)	13	1	3.0
<i>Stegastes lividus</i> (Forster in Bloch & Schneider, 1801)	62, 61, 17, 14, 37, 74, 83	7	2.9
<i>Stegastes nigricans</i> (Lacepède, 1802)	40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 12, 7, 11, 2, 45, 43, 42, 69, 32, 33, 35, 85, 87, 56, 57, 72, 73, 74, 80, 49, 48, 51, 52	33	3.5
<b>SPHYRAENIDAE</b>			
<i>Sphyaena barracuda</i> (Walbaum, 1792)	58, 59, 9, 63, 56	5	1
<i>Sphyaena flavicauda</i> (Ruppell, 1838)	1, 79	2	2
<i>Sphyaena genie</i> (Klunzinger, 1870)	87	1	4

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>LABRIDAE</b>			
<i>Anampses caeruleopunctatus</i> (Rüppell, 1829)	61, 9, 7, 1, 18, 37, 42, 29, 32, 79, 83	11	1.7
<i>Anampses femininus</i> (Randall, 1972)	16, 11, 10, 6, 63, 72	6	1.7
<i>Anampses geographicus</i> (Valenciennes, 1840)	6, 2, 1, 19, 38, 28, 45, 32, 74, 79, 83	11	1.6
<i>Anampses meleagrides</i> (Valenciennes, 1840)	11	1	2.0
<i>Anampses neoguinaicus</i> (Bleeker, 1878)	41, 40, 58, 59, 60, 61, 17, 16, 13, 12, 9, 7, 11, 10, 6, 3, 1, 37, 65, 45, 63, 64, 42, 87, 73, 79, 80, 84, 83, 49	30	3.1
<i>Anampses twistii</i> (Bleeker, 1856)	59, 60, 6, 1, 38, 63, 79, 83	8	2.1
<i>Belonaperca chabanaudi</i> (Fowler & Bean, 1930)	1, 24, 69, 33	4	1.5
<i>Bodianus anthioides</i> (Bennett, 1831)	79	1	1.0
<i>Bodianus axillaris</i> (Bennett, 1831)	62, 58, 59, 60, 61, 17, 14, 12, 9, 11, 10, 3, 1, 37, 45, 43, 63, 69, 79, 80, 83	21	2.2
<i>Bodianus diana</i> (Lacepède, 1801)	11, 2, 24	3	1.7
<i>Bodianus loxozonus</i> (Snyder, 1908)	58, 59, 60, 17, 12, 9, 7, 11, 10, 6, 3, 38, 65, 79, 80	15	2.3
<i>Bodianus perditio</i> (Quoy & Gaimard, 1834)	61, 6, 19, 24, 42, 32, 85, 86, 87, 73	10	1.7
<i>Cheilinus chlorourus</i> (Bloch, 1791)	41, 40, 7, 2, 4, 18, 22, 38, 36, 45, 43, 63, 42, 69, 33, 35, 85, 86, 72, 74, 80, 48, 51, 52	24	1.9
<i>Cheilinus fasciatus</i> (Bloch, 1791)	60, 3, 1, 24, 38, 37, 45, 69, 29, 32, 85, 86, 87, 49, 48, 52	16	1.9
<i>Cheilinus trilobatus</i> (Lacepède, 1801)	40, 58, 59, 60, 61, 17, 16, 13, 12, 9, 7, 10, 2, 18, 38, 37, 26, 45, 43, 42, 69, 32, 33, 35, 85, 86, 87, 72, 73, 74, 79, 80, 83, 49, 48, 52	36	2.3
<i>Cheilinus undulatus</i> (Rüppell, 1835)	Information not available		
<i>Cheilio inermis</i> (Forsskål, 1775)	72	1	2.0
<i>Choerodon fasciatus</i> (Gunther 1867)	38, 37, 36, 26	4	1.0
<i>Choerodon fasciatus</i> (Günther, 1867)	3	1	2.0
<i>Choerodon graphicus</i> (De Vis, 1885)	18, 19, 22, 24, 37, 45, 43, 42, 29, 32, 33, 35, 85, 86, 56, 49, 51, 52	18	2.1
<i>Cirrhilabrus laboutei</i> (Randall & Lubbock, 1982)	72, 52	2	3.0
<i>Cirrhilabrus punctatus</i> (Randall & Kuitert, 1989)	59, 45, 63, 64	4	1.5
<i>Coris aygula</i> (Lacepède, 1801)	40, 61, 16, 10, 3, 1, 18, 24, 38, 63, 42, 69, 33, 72, 74, 83, 49, 48, 52	19	1.7
<i>Coris batuensis</i> (Bleeker, 1857)	41, 40, 62, 60, 61, 14, 16, 12, 11, 10, 4, 18, 20, 22, 24, 38, 37, 36, 26, 28, 45, 43, 42, 69, 29, 34, 85, 86, 87, 56, 72, 73, 74, 84, 49, 48, 51, 52	38	3.0
<i>Coris dorsomacula</i> (Fowler, 1908)	72	1	2.0
<i>Coris gaimard</i> (Quoy & Gaimard, 1824)	59, 17, 16, 12, 9, 11, 10, 6, 2, 3, 36, 63, 72, 80, 84, 83, 49, 52	18	2.2
<i>Coris pictoides</i> (Randall & Kuitert, 1982)	22, 65, 56, 74, 83, 48, 51, 52	8	2.1
<i>Cymolutes praetextatus</i> (Quoy & Gaimard, 1834)	14, 73	2	1.5
<i>Epibulus insidiator</i> (Pallas, 1770)	40, 59, 60, 61, 17, 9, 7, 11, 6, 3, 1, 38, 37, 36, 45, 63, 42, 87, 72, 73, 79, 80, 84, 83	24	2.3
<i>Gomphosus varius</i> (Lacepède, 1801)	62, 58, 59, 60, 61, 17, 14, 16, 13, 12, 9, 7, 11, 6, 3, 1, 18, 20, 22, 38, 37, 36, 45, 43, 42, 69, 32, 33, 34, 35, 85, 86, 56, 57, 72, 74, 79, 80, 83, 49, 48, 51, 52	43	2.7
<i>Halichoeres argus</i> (Bloch & Schneider, 1801)	45, 43, 63, 64, 32, 34, 35, 56, 57, 72, 83, 51	12	2.7
<i>Halichoeres biocellatus</i> (Schultz, 1960)	43	1	1.0

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Halichoeres chrysus</i> (Randall, 1981)	17, 12, 7, 10, 38, 64	6	2.2
<i>Halichoeres hortulanus</i> (Lacepède, 1801)	41, 40, 58, 60, 61, 17, 14, 16, 13, 12, 9, 11, 10, 6, 2, 3, 1, 38, 37, 65, 43, 63, 64, 42, 69, 33, 85, 87, 56, 72, 73, 74, 79, 80, 83, 49, 48, 52	38	2.4
<i>Halichoeres margaritaceus</i> (Valenciennes, 1839)	61, 16, 13, 34, 73	5	2.6
<i>Halichoeres marginatus</i> (Rüppell, 1835)	41, 40, 61, 17, 14, 16, 13, 12, 11, 37, 36, 26, 43, 63, 64, 42, 29, 32, 34, 73, 74, 52	22	2.6
<i>Halichoeres melanurus</i> (Bleeker, 1851)	85, 86, 87, 56, 57, 51	6	2.7
<i>Halichoeres ou natissimus</i> (Garrett, 1863)	41, 40, 58, 59, 60, 61, 12, 9, 7, 11, 10, 6, 1, 20, 22, 38, 36, 65, 45, 63, 64, 29, 33, 34, 35, 85, 72, 73, 80, 83, 49, 51, 52	33	2.7
<i>Halichoeres prosopion</i> (Bleeker, 1853)	62, 59, 60, 61, 14, 6, 2, 3, 1, 38, 36, 63, 69, 87	14	2.4
<i>Halichoeres trimaculatus</i> (Quoy & Gaimard, 1834)	41, 40, 62, 61, 14, 16, 12, 11, 10, 2, 4, 18, 20, 22, 36, 28, 63, 42, 86, 87, 57, 72, 73, 84, 49, 48, 51, 52	28	3.0
<i>Halichoeres zeylonicus</i> (Bennett, 1823)	11, 80	2	2.5
<i>Hemigymnus fasciatus</i> (Bloch, 1792)	62, 58, 59, 60, 61, 17, 16, 9, 7, 6, 2, 1, 38, 37, 28, 45, 43, 42, 69, 87, 72, 74, 79, 80, 83	25	3.0
<i>Hemigymnus melapterus</i> (Bloch, 1791)	41, 40, 62, 60, 14, 16, 13, 9, 7, 11, 6, 2, 4, 1, 18, 22, 24, 38, 37, 36, 26, 45, 43, 63, 42, 69, 32, 33, 34, 35, 85, 86, 87, 56, 72, 73, 74, 84, 83, 49, 48, 51	42	2.8
<i>Hologymnosus annulatus</i> (Lacepède, 1801)	7, 6, 42, 80	4	1.8
<i>Hologymnosus doliatus</i> (Lacepède, 1801)	41, 16, 2, 85	4	1.5
<i>Iniistius aneitensus</i> (Gunther, 1862)	11, 87, 72	3	2.7
<i>Iniistius auropuntatus</i> (Randall et al 2002)	4	1	2.0
<i>Labrichthys unilineatus</i> (Guichenot, 1847)	38, 45, 43, 69, 33, 85, 87, 74, 79, 49, 48	11	2.0
<i>Labroides bicolor</i> (Fowler & Bean, 1928)	40, 61, 17, 16, 13, 12, 9, 7, 6, 3, 24, 38, 63, 69, 79, 80, 83	17	2.3
<i>Labroides dimidiatus</i> (Valenciennes, 1839)	41, 40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 9, 7, 11, 10, 6, 2, 3, 4, 1, 18, 19, 20, 22, 38, 37, 36, 26, 28, 45, 43, 63, 64, 42, 69, 32, 33, 35, 85, 87, 57, 72, 73, 74, 80, 83, 49, 48, 51, 52	50	3.1
<i>Labroides pectoralis</i> (Randall & Springer, 1975)	58, 17	2	2.5
<i>Labroides rubrolabians</i> (Rrandall, 1958)	58, 9, 37, 69, 74, 79, 83	7	1.9
<i>Labropsis australis</i> (Randall, 1981)	61, 45, 43, 63, 42, 69, 33, 85, 86, 87, 73, 74, 79, 84, 83, 49, 48, 51, 52	19	2.1
<i>Labropsis xanthonota</i> (Randall, 1981)	59, 7, 11, 10, 2, 1, 87	7	1.9
<i>Macropharyngodon meleagris</i> (Valenciennes, 1839)	41, 16, 10, 29, 83	5	2.2
<i>Macropharyngodon negrosensis</i> (Herre, 1932)	84	1	2.0
<i>Novaculichthys taeniourus</i> (Lacepède, 1801)	42, 72, 49	3	1.7
<i>Oxycheilinus diagrammus</i> (Lacepède, 1801)	7, 38, 37, 36, 26, 42, 32, 33, 86, 87, 74, 84, 48, 52	14	2.1
<i>Oxycheilinus unifasciatus</i> (Streets, 1877)	59, 17, 9, 11, 38, 37, 36, 45, 43, 86, 72, 84, 49, 51, 52	15	2.0
<i>Pseudocheilinus evanidus</i> (Jordan & Evermann, 1903)	26, 45, 43, 63, 42, 29, 33, 35, 48, 51, 52	11	2.7
<i>Pseudocheilinus hexataenia</i> (Bleeker, 1857)	58, 59, 60, 61, 17, 9, 7, 6, 3, 37, 36, 26, 43, 42, 69, 33, 87, 74, 80, 83, 49, 48, 51, 52	24	3.0
<i>Pseudocheilinus octotaenia</i> (Jenkins, 1900)	60, 61, 2, 19, 20, 22, 24, 38, 37, 36, 28, 45, 43, 42, 33, 35, 85, 86, 87, 49	20	2.5
<i>Pseudocheilinus tetrataenia</i> (Schultz, 1960)	37, 64	2	2.0

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Pseudodax molluccanus</i> (Valenciennes, 1839)	16, 13	2	1.0
<i>Pteragogus cryptus</i> (Randall, 1981)	26, 32, 35, 73, 49, 51, 52	7	1.6
<i>Stethojulis bandanensis</i> (Bleeker, 1851)	41, 61, 16, 12, 11, 10, 6, 2, 38, 36, 65, 45, 43, 63, 64, 42, 72, 73, 74, 80, 49	21	2.6
<i>Stethojulis notalis</i> (Randall, 2000)	72, 73, 84, 48	4	2.8
<i>Thalassoma amblycephalum</i> (Bleeker, 1856)	41, 40, 2, 3, 4, 1, 18, 19, 37, 36, 26, 28, 45, 63, 64, 29, 32, 33, 35, 86, 87, 73, 84, 83, 49, 51, 52	27	2.6
<i>Thalassoma hardwicke</i> (Bennett, 1828)	41, 40, 59, 60, 61, 17, 14, 16, 13, 12, 9, 7, 11, 6, 2, 3, 4, 18, 19, 24, 38, 37, 36, 26, 65, 42, 69, 34, 35, 85, 86, 87, 72, 74, 80, 83	36	2.8
<i>Thalassoma janseni</i> (Bleeker, 1856)	41, 40, 58, 59, 60, 17, 14, 13, 9, 7, 11, 10, 6, 2, 4, 18, 19, 20, 22, 38, 37, 36, 26, 28, 65, 63, 64, 42, 86, 73	30	3.5
<i>Thalassoma lunare</i> (Linnaeus, 1758)	41, 59, 61, 16, 13, 12, 7, 11, 10, 6, 2, 3, 4, 1, 18, 19, 20, 22, 24, 37, 36, 26, 28, 43, 63, 64, 42, 69, 29, 33, 35, 85, 86, 87, 56, 57, 72, 73, 74, 84, 49, 48, 51, 52	44	3.6
<i>Thalassoma lutescens</i> (Lay & Bennett, 1839)	41, 40, 62, 58, 59, 60, 61, 17, 13, 9, 7, 11, 10, 6, 2, 3, 18, 19, 20, 22, 24, 38, 36, 65, 45, 43, 63, 64, 42, 69, 32, 34, 35, 85, 86, 87, 56, 57, 72, 74, 79, 80, 83, 49, 51	45	3.3
<i>Thalassoma purpureum</i> (Foskill, 1775)	14, 9, 7, 2, 37, 64, 80	7	2.6
<i>Thalassoma quinquevittatum</i> (Lay & Beennett, 1839)	59, 6, 37, 32, 85, 83	6	1.8
<i>Thalassoma trilobatum</i> (Lacepède, 1801)	42, 84	2	2.5
<b>SCARIDAE</b>			
<i>Bolbometopon muricatum</i> (Valenciennes, 1840)	Information not available		
<i>Cetoscarus ocellatus</i> (Valenciennes in Cuvier and Valenciennes, 1840)	58, 17, 16, 12, 7, 2, 3, 63, 69, 74, 80, 83	12	1.9
<i>Chlorurus microrhinos</i> (Bleeker, 1854)	41, 40, 62, 58, 59, 60, 61, 17, 14, 16, 13, 12, 9, 7, 6, 3, 19, 24, 38, 37, 26, 28, 65, 69, 29, 33, 85, 74, 79, 80, 84, 83, 48	33	2.2
<i>Chlorurus sordidus</i> (Forsskål, 1775)	40, 62, 58, 59, 61, 17, 14, 16, 13, 12, 9, 7, 11, 10, 6, 2, 3, 1, 18, 19, 20, 22, 24, 38, 37, 36, 26, 28, 65, 45, 43, 63, 42, 69, 32, 33, 34, 35, 85, 86, 87, 72, 73, 74, 79, 80, 84, 49, 48, 51, 52	51	2.9
<i>Chlorurus frontalis</i> (Valenciennes, 1840)	58, 9	2	3.0
<i>Hipposcarus longiceps</i> (Valenciennes, 1840)	41, 62, 58, 59, 60, 61, 17, 14, 16, 12, 7, 10, 6, 3, 1, 18, 22, 24, 26, 63, 69, 85, 87, 74, 80, 83, 49, 48, 51, 52	30	2.4
<i>Scarus altipinnis</i> (Steindachner, 1879)	40, 62, 59, 60, 61, 14, 13, 12, 9, 7, 6, 24, 38, 37, 36, 26, 28, 63, 42, 69, 33, 85, 86, 74, 80, 83, 48, 51, 52	29	2.3
<i>Scarus chameleon</i> (Choat & Randall, 1986)	41, 62, 59, 60, 61, 17, 14, 16, 12, 7, 11, 10, 6, 2, 3, 1, 38, 37, 45, 43, 63, 64, 42, 69, 72, 73, 79, 80, 84, 83	30	2.3
<i>Scarus dimidiatus</i> (Bleeker, 1859)	9, 35, 85, 87, 79, 84, 83, 48, 51	9	2.0
<i>Scarus flavipectoralis</i> (Schultz, 1958)	37, 36, 43, 42, 69, 32, 33, 35, 85, 86, 52	11	2.3
<i>Scarus frenatus</i> (Lacepède, 1802)	62, 58, 59, 17, 9, 7, 6, 3, 38, 37, 42, 69, 80, 84, 83, 52	16	2.4

Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<i>Scarus ghobban</i> (Forsskål, 1775)	41, 40, 60, 61, 13, 7, 10, 2, 1, 18, 19, 20, 22, 24, 38, 37, 36, 28, 45, 43, 63, 42, 69, 29, 32, 33, 34, 35, 85, 86, 87, 56, 73, 74, 84, 83, 48, 51, 52	39	2.5
<i>Scarus globiceps</i> (Valenciennes, 1840)	38, 37, 32, 35, 85, 86, 87, 72, 79, 80, 84, 83, 49, 52	14	2.0
<i>Scarus niger</i> (Forsskål, 1775)	84, 83, 49	3	2.0
<i>Scarus oviceps</i> (Valenciennes, 1840)	9, 7, 37, 79	4	2.0
<i>Scarus psittacus</i> (Forsskål, 1775)	9, 7, 10, 2, 72, 73, 79, 80, 83	9	2.3
<i>Scarus rivulatus</i> (Valenciennes, 1840)	11, 10	2	2.0
<i>Scarus rubroviolaceus</i> (Bleeker, 1847)	58, 61, 43, 63, 64, 42, 32	7	1.9
<i>Scarus schlegeli</i> (Bleeker, 1861)	40, 62, 59, 60, 61, 16, 13, 11, 10, 6, 3, 18, 24, 38, 37, 36, 65, 45, 43, 63, 64, 42, 69, 32, 33, 35, 85, 86, 87, 72, 73, 74, 79, 80, 84, 83, 49, 48, 52	39	3.3
<i>Scarus spinus</i> (Kner, 1868)	59, 17, 9, 11, 6, 3	6	2.2
<b>PINGUIPEDIDAE</b>			
<i>Parapercis australis</i> (Randall, 2003)	41, 40, 62, 12, 32, 33, 85, 86, 87, 72, 73, 74, 84, 48, 51, 52	16	1.9
<i>Parapercis clathrata</i> (Ogilby, 1911)	41, 40, 62, 61, 14, 16, 13, 11, 10, 2, 1, 20, 37, 36, 28, 63, 33, 85, 86, 87, 72, 73, 74, 84, 83, 48, 51	27	2.3
<i>Parapercis hexophthalma</i> (Cuvier, 1829)	40, 62, 16, 37, 42, 32, 72, 74	8	2.1
<i>Parapercis miilipunctata</i> (Günther, 1860)	41, 40, 59, 61, 14, 16, 13, 11, 10, 2, 1, 20, 22, 38, 37, 36, 26, 63, 64, 69, 33, 86, 87, 73, 84	25	1.9
<i>Parapercis xanthozona</i> (Bleeker, 1849)	86, 72	2	2.5
<i>Saurida gracilis</i> (Quoy & Gaimard, 1824)	49	1	1
<b>BLENNIIDAE</b>			
<i>Aspidontus dussumieri</i> (Valenciennes in C&V 1836)	33	1	2.0
<i>Atrosalarias fuscus</i> (Rüppell, 1835)	62, 58, 59, 60, 61, 17, 14, 16, 13, 12, 9, 7, 6, 2, 20, 22, 38, 37, 36, 42, 33, 35, 86, 87, 74, 80, 83, 49, 48, 52	30	1.5
<i>Blenniella chrysospilos</i> (Bleeker, 1857)	73	1	1.0
<i>Cirripectes polyzona</i> (Bleeker, 1868)	80	1	2.0
<i>Cirripectes stigmaticus</i> (Strasburg & Schultz, 1953)	59, 60, 17, 14, 16, 26, 87, 73	8	1.5
<i>Ecsenius bicolor</i> (Day, 1888)	41, 61, 13, 9, 11, 10, 2, 3, 1, 37, 36, 43, 63, 69, 29, 32, 33, 34, 85, 86, 56, 73, 79, 84, 83, 49, 48, 51	28	2.0
<i>Ecsenius isos</i> (McKinney & Springer, 1976)	42	1	1.0
<i>Ecsenius fourmanoiri</i> (Springer, 1972)	63, 79	2	2.0
<i>Meiacanthus atrodorsalis</i> (Günther, 1877)	58, 61, 65	3	2.0
<i>Meiacanthus ditrema</i> (Smith-Vaniz, 1976)	69, 33	2	2.5
<i>Meiacanthus phaeus</i> (Smith-Vaniz, 1976)	73, 74, 83	3	1.0
<i>Plagiotremus laudandus</i> (Whitley, 1961)	36, 63, 87, 79, 52	5	2.0
<i>Plagiotremus rhinorhynchos</i> (Bleeker, 1852)	41, 16, 2, 1, 38, 45, 43, 42, 33, 85, 86, 87, 79, 80, 84, 83, 49, 51, 52	19	1.7
<i>Plagiotremus tapeinosoma</i> (Bleeker, 1857)	40, 58, 59, 17, 16, 9, 7, 6, 2, 22, 24, 36, 26, 43, 64, 42, 69, 32, 33, 85, 86, 87, 72, 73, 74, 83, 49, 48, 51, 52	30	1.8
<i>Salarias fasciatus</i> (Bloch, 1786)	73, 74	2	1.0
<b>GOBIESOCIDAE</b>			
<i>Diademichthys lineatus</i> (Sauvage, 1883)	45, 86, 74, 48, 52	5	1.6



Species / Espèces	List of Sites Species Present	No. Sites Present	Mean Abundance
<b>CALLIONYMIDAE</b>			
<i>Diplogrammus goramensis</i> (Bleeker, 1858)	73, 74	2	1
<i>Synchiropus splendidus</i> (Herre, 1927)	28, 48	2	1
<b>Gobiidae</b>			
<i>Amblyeleotris fasciata</i> (Herre, 1953)	16, 85, 86, 87	4	1.3
<i>Amblyeleotris novacaledonia</i> (Goren, 1981)	62, 12, 11, 1, 19, 22, 28, 45, 63, 42, 85, 87, 56, 74, 84, 49	16	1.9
<i>Amblyeleotris periophthalma</i> (Bleeker, 1853)	3, 29, 52	3	1.7
<i>Amblyeleotris rubrimarginata</i> (Mohlmann & Randall, 2002)	40, 16, 12, 11, 85, 87, 74, 84, 49, 52	10	2.0
<i>Amblyeleotris stenotaeniata</i> (Randall 2004)	85, 86, 87	3	1.0
<i>Amblygobius decussatus</i> (Bleeker, 1855)	13, 86, 56, 51	4	1.8
<i>Amblygobius nocturnus</i> (Herre, 1945)	29, 56, 51	3	1.7
<i>Amblygobius phalaena</i> (Valenciennes in Cuvier and Valenciennes, 1837)	40, 62, 14, 13, 12, 11, 6, 3, 1, 18, 20, 38, 36, 45, 43, 42, 85, 86, 87, 72, 73, 74, 84, 49, 48, 51	26	2.0
<i>Asterropteryx semipunctata</i> (Ruppel, 1830)	86, 48, 51	3	1.3
<i>Asterropteryx striatus</i> (Allen & Munday, 1995)	18, 28, 32, 85, 86, 87, 56, 73, 48, 52	10	2.2
<i>Bryanipops</i> sp.	87	1	1.0
<i>Cryptocentrus fasciatus</i> (Playfair in Playfair & Gunthur, 1867)	22	1	1.0
<i>Cryptocentrus strigilliceps</i> (Jordan & Seale, 1906)	28	1	2.0
<i>Ctenogobiops aurocingulus</i> (Herre, 1935)	12	1	2.0
<i>Ctenogobiops feroculus</i> (Lubbock & polunin, 1977)	61, 16, 12, 11, 1, 20, 36, 26, 43, 63, 69, 86	12	1.8
<i>Ctenogobiops pomasticus</i> (Lubbock & Polunin, 1977)	41, 40, 61, 1, 19, 36, 63, 84, 49, 51, 52	11	1.7
<i>Eviota prasites</i> (Jordan & Seale, 1906)	87, 73, 52	3	1.7
<i>Exyrias bellissimus</i> (Smith, 1959)	20, 38, 42, 85, 86, 87, 56, 57, 73, 84, 49, 51	12	1.7
<i>Gnatholepis anjerensis</i> (Bleeker, 1851)	73, 74, 84	3	1.7
<i>Gnatholepis cauerensis</i> (Bleeker, 1853)	84, 49, 51	3	1.7
<i>Gobiodon citrinus</i> (Rüppel, 1838)	51	1	2.0
<i>Istigobius decoratus</i> (Herre, 1927)	41, 40, 13, 42, 29, 32, 33, 34, 35, 86, 87, 57, 72, 73, 74, 84, 49, 52	18	1.9
<i>Istigobius rigilius</i> (Herre, 1953)	87, 84	2	1.0
<i>Koumansetta rainfordi</i> , (Whitley 1940)	87, 56, 73, 49, 48	5	1.4
<i>Oxyurichthys papuensis</i> (Valenciennes in Cuvier and Valenciennes, 1837)	56, 72	2	1.5
<i>Stonogobiops yasha</i> (Yoshino & Shimada, 2001)	56	1	1.0
<i>Tomiyamichthys oni</i> (refer Allen 2005)	49	1	1.0
<i>Trimma okinawae</i> (Aoyagi, 1949)	84	1	2.0
<i>Valenciennesa longipinnis</i> (Lay & Bennett, 1839)	72, 49, 51	3	1.7
<i>Valenciennesa puellaris</i> (Tomiyama, 1956)	16	1	2.0
<i>Valenciennesa strigata</i> (Broussonet, 1782)	16, 11, 10, 2, 65, 63	6	2.0
<b>MICRODESMIDAE</b>			
<i>Gunnellichthys monostigma</i> (Smith, 1958)	69, 85, 72, 49	4	2.3
<b>PTERELEOTRIDAE</b>			
<i>Nemateleotris magnifica</i> (Fowler, 1938)	61, 7, 10, 6, 1, 37, 65, 64, 80	9	2.1

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<i>Ptereleotris evides</i> (Jordan & Hubbs, 1925)	41, 40, 58, 59, 17, 14, 16, 11, 10, 37, 36, 63, 64, 42, 74, 79, 84	17	1.9
<i>Ptereleotris hanae</i> (Jordan & Snyder, 1901)	85	1	1
<i>Ptereleotris heteroptera</i> (Bleeker, 1855)	73	1	2
<i>Ptereleotris microlepis</i> (Bleeker, 1856)	41, 40, 14, 16, 1, 19, 20, 65, 42, 32, 85, 86, 87, 73, 49, 52	16	1.9
<b>Acanthuridae</b>			
<i>Acanthurus albipectoralis</i> (Allen & Ayling, 1987)	58, 59, 17, 14, 16, 7, 11, 63, 64, 42, 29, 32, 80, 83, 52	15	2.5
<i>Acanthurus blochii</i> (Valenciennes, 1835)	41, 40, 62, 58, 61, 17, 16, 13, 10, 2, 1, 18, 19, 20, 22, 38, 37, 36, 26, 28, 45, 43, 63, 64, 42, 69, 32, 33, 34, 35, 85, 86, 87, 56, 73, 74, 84, 83, 49, 51, 52	41	2.7
<i>Acanthurus dussumieri</i> (Valenciennes, 1835)	62, 10, 2, 3, 18, 22, 38, 80	8	2.5
<i>Acanthurus lineatus</i> (Linnaeus, 1758)	59, 60, 61, 17, 9, 7, 10, 36, 26, 45, 42, 86, 87, 80	14	2.5
<i>Acanthurus mata</i> (Cuvier, 1829)	65, 80, 83	3	2.7
<i>Acanthurus nigroris</i> (Valenciennes in Cuvier and Valenciennes, 1835)	58, 13, 7, 11, 10, 2, 18, 19, 38, 37, 63, 64, 33, 35, 85, 86	16	2.4
<i>Acanthurus nigricans</i> (Linnaeus, 1758)	9	1	3
<i>Acanthurus nigrocauda</i> (Duncker & Mohr, 1929)	6	1	3
<i>Acanthurus nigrofuscus</i> (Forsskål, 1775)	41, 40, 62, 58, 59, 61, 17, 14, 16, 13, 12, 9, 7, 11, 10, 6, 2, 3, 1, 18, 19, 20, 22, 38, 37, 36, 26, 28, 65, 45, 43, 63, 64, 42, 69, 32, 33, 34, 35, 85, 86, 87, 56, 57, 72, 73, 74, 79, 80, 84, 83, 49, 48, 51, 52	55	3.7
<i>Acanthurus olivaceus</i> (Forster, 1801)	60, 16, 10, 2, 65, 72, 80, 83	8	2.3
<i>Acanthurus pyroferus</i> (Kittlitz, 1834)	59, 60, 17, 12, 9, 7, 11, 6, 3, 65, 69, 79, 80, 84, 83	15	2.1
<i>Acanthurus thompsoni</i> (Fowler, 1923)	41, 40, 60, 61, 9, 6, 20, 37, 36, 63, 79, 80, 49, 48, 52	15	2.3
<i>Acanthurus triostegus</i> (Linnaeus, 1758)	2, 4, 18, 42, 85	5	2.2
<i>Acanthurus xanthopterus</i> (Valenciennes, 1835)	60, 65, 63, 85, 83, 48, 52	7	2.1
<i>Ctenochaetus binotatus</i> (Randall, 1955)	41, 6, 2, 19, 20, 37, 36, 26, 28, 63, 64, 32, 34, 79, 80, 84, 83, 51	18	2.6
<i>Ctenochaetus marginatus</i>	59	1	3
<i>Ctenochaetus striatus</i> (Quoy & Gaimard, 1825)	62, 58, 59, 60, 61, 17, 13, 9, 7, 11, 6, 19, 20, 22, 38, 37, 36, 26, 28, 65, 45, 43, 63, 69, 32, 33, 35, 85, 56, 57, 74, 79, 84, 49, 51, 52	36	2.8
<i>Naso annulatus</i> (Quoy & Gaimard, 1825)	60, 14, 74	3	2.3
<i>Naso brachycentron</i> (Valenciennes, 1835)	41, 58, 17, 14, 13, 12, 7, 11, 37, 63	10	2.3
<i>Naso brevirostris</i> (Valenciennes, 1835)	40, 58, 17, 9, 7, 6, 3, 1, 20, 37, 63, 64, 79, 80, 83, 49, 51	17	2.6
<i>Naso caesioides</i> (Randall & Bell, 1992)	58, 9, 7, 80	4	2.8
<i>Naso lituratus</i> (Forster, 1801)	58, 61, 17, 9, 7, 10, 6, 3, 37, 28, 63, 64, 79, 80, 83	15	2.5
<i>Naso tonganus</i> (Valenciennes, 1835)	62, 58, 59, 16, 7, 6, 2, 3, 64, 69	10	2.5
<i>Naso unicornis</i> (Forsskål, 1775)	62, 58, 59, 60, 61, 17, 14, 16, 12, 9, 7, 11, 10, 6, 3, 1, 36, 26, 65, 43, 63, 64, 42, 69, 29, 32, 35, 85, 56, 72, 73, 74, 79, 84, 83, 49, 52	37	2.5
<i>Naso vlamingi</i> (Valenciennes, 1835)	60, 61, 16, 22	4	2.3
<i>Nasohexacanthus</i> (Bleeker, 1855)	60, 17, 9, 7, 6, 3, 38, 43, 86, 79, 80, 83	12	2.2
<i>Paracanthurus hepatus</i> (Linnaeus, 1766)	65, 64, 83	3	2.7

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<i>Zebrasoma scopas</i> (Cuvier, 1829)	41, 40, 59, 60, 61, 14, 16, 13, 12, 7, 11, 6, 2, 3, 1, 18, 19, 38, 37, 36, 26, 28, 65, 45, 43, 63, 42, 69, 32, 33, 85, 86, 87, 73, 74, 79, 80, 84, 83, 49, 48, 51, 52	43	2.7
<i>Zebrasoma veliferum</i> (Bloch, 1797)	41, 40, 62, 59, 60, 14, 16, 13, 12, 9, 11, 6, 2, 4, 1, 18, 20, 22, 38, 37, 36, 26, 43, 42, 69, 29, 32, 33, 35, 85, 86, 87, 56, 57, 73, 74, 79, 80, 83, 49, 48, 51, 52	43	2.6
<b>EPHIPPIDAE</b>			
<i>Platex orbicularis</i>	17, 9, 6, 64, 85, 79, 80, 52	8	1.8
<b>ZANCLIDAE</b>			
<i>Zanclus cornutus</i> (Linnaeus, 1758)	40, 58, 59, 17, 12, 9, 10, 6, 2, 3, 1, 19, 24, 38, 37, 36, 26, 42, 69, 33, 85, 87, 74, 80, 84, 83, 49, 48, 52	29	2
<b>SIGANIDAE</b>			
<i>Siganus argenteus</i> Quoy & Gaimard, 1825)	35, 73	2	2
<i>Siganus corallinus</i> (Valenciennes, 1835)	59, 60, 17, 9, 65, 45, 43, 64, 42, 79, 80, 84	12	2
<i>Siganus doliatus</i> (Cuvier, 1830)	40, 62, 61, 13, 12, 7, 2, 3, 4, 1, 18, 19, 22, 24, 38, 37, 36, 28, 45, 43, 42, 69, 29, 32, 33, 35, 85, 86, 87, 56, 74, 83, 49, 48, 51, 52	36	2.7
<i>Siganus fuscescens</i> (Houttuyn, 1782)	41, 4, 29	3	2
<i>Siganus lineatus</i> (Valenciennes in C&V 1835)	29, 87, 57	3	3
<i>Siganus puellus</i> (Schlegel, 1852)	17, 2, 4, 19, 45, 43, 42, 29, 85, 83, 49, 48, 52	13	2.1
<i>Siganus punctatus</i>	40, 59, 60, 17, 13, 12, 7, 3, 19, 38, 36, 28, 43, 42, 29, 32, 33, 35, 56, 74, 80, 51	22	1.7
<i>Siganus spinus</i> (Linnaeus, 1758)	41, 4, 38, 37, 43, 63, 64, 42, 29, 72	10	2
<i>Siganus vulpinus</i>	4, 22, 24, 45, 87	5	1.6
<b>SCOMBRIDAE</b>			
<i>Euthynnus affinis</i> (Cantor, 1849)	7	1	1
<i>Gymnosarda unicolor</i> (Rüppell, 1838)	60, 65, 79, 80	4	1.3
<i>Grammatorynus bilineatus</i> (Ruppell, 1836)	42	1	2
<i>Rastrelliger kanagurta</i> (Cuvier, 1829)	32	1	4
<i>Scomberomorus commerson</i> (Lacepède, 1800)	40, 58, 17, 9, 11, 1, 28, 85, 87, 80, 84, 83, 51	13	1.4
<b>BOTHIDAE</b>			
<i>Bothus pantherinus</i> (Rüppell, 1830)	1	1	1
<b>BALISTIDAE</b>			
<i>Balistapus undulatus</i> (Park, 1797)	58, 17, 9, 10, 1	5	1.2
<i>Balistoides conspicillum</i> (Bloch & Schneider, 1801)	58, 59, 17, 16, 9, 7, 65, 63, 64	9	1.2
<i>Balistoides viridescens</i> (Bloch & Schneider, 1801)	10, 6, 1, 19, 22, 26, 64, 32, 85, 86, 80, 51	12	1
<i>Melichthys niger</i> (Bloch, 1786)	62, 16, 64	3	1
<i>Melichthys vidua</i> (Solander, 1844)	58, 9, 6, 1	4	2
<i>Odonus niger</i> (Rüppell, 1837)	10, 6, 65, 33, 85, 72	6	1.2
<i>Pseudobalistes flavimarginatus</i> (Rüppell, 1829)	60, 61, 17, 7	4	1.8
<i>Pseudobalistes fuscus</i> (Bloch & Schneider, 1801)	2, 3, 65, 45, 43, 73, 52	7	2
<i>Rhinecanthus aculeatus</i> (Linnaeus, 1758)	41, 16, 13, 4, 18, 20, 22, 28, 86, 72, 73, 51, 52	13	1.7
<i>Rhinecanthus verrucosus</i> (Linnaeus, 1758)	65	1	2
<i>Sufflamen bursa</i> (Bloch & Schneider, 1801)	58, 59, 60, 17, 9, 10, 6, 36, 65, 64, 79, 80, 83, 52	14	1.8

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<i>Sufflamen chrysopterus</i> (Bloch & Schneider, 1801)	41, 40, 62, 61, 16, 9, 11, 10, 2, 1, 18, 20, 38, 36, 26, 28, 65, 45, 43, 63, 64, 42, 33, 87, 72, 74, 84, 51, 52	29	2.4
<i>Sufflamen fraenatum</i> (Latreille, 1804)	43	1	2
<b>MONOCANTHIDAE</b>			
<i>Aluterus scriptus</i> (Osbeck, 1765)	58, 9, 63, 74	4	1.3
<i>Amanses scopa</i> (Cuvier, 1829)	58, 7	2	1.5
<i>Cantherines dunerilii</i> (Hollard, 1854)	9, 7, 65, 63	4	2
<i>Oxymonacanthus longirostris</i>	58, 16, 12, 7, 43, 64, 42, 69, 33, 87, 72, 79, 80	13	1.8
<i>Pervagor alternans</i> (Ogilby, 1899)	60	1	1
<i>Pervagor janthinossoma</i> (Bleeker, 1854)	9, 63	2	1.5
<b>OSTRACIIDAE</b>			
<i>Ostracion cubicus</i> (Linnaeus, 1758)	40, 62, 14, 13, 7, 3, 1, 37, 43, 42, 49, 48, 52	13	1.5
<i>Ostracion meleagris</i> (Shaw, 1796)	60, 11, 6, 20, 65, 42, 85, 79	8	1.4
<b>TETRAODONTIDAE</b>			
<i>Arothron nigropunctatus</i> (Bloch & Schneider, 1801)	59, 1, 79	3	1
<i>Arothron mappa</i> (Lesson, 1830)	36	1	1
<i>Canthigaster valentini</i> (Bleeker, 1853)	41, 62, 59, 60, 61, 14, 16, 13, 12, 9, 7, 11, 6, 2, 3, 1, 18, 19, 20, 22, 38, 28, 65, 45, 63, 69, 32, 85, 86, 87, 72, 79, 80, 84, 83, 48, 52	37	2.2
<b>DIODONTIDAE</b>			
<i>Diodon hystrix</i> (Linnaeus, 1758)	40, 59, 60, 17, 16, 10, 6, 38, 65, 87, 73, 84, 83, 52	14	1