

APPENDIX 1
Marine species reported from Isla del Coco National Park, Pacific Costa Rica

	Species	Ref. ¹
Virus	1. Viral talC sequences	185
	2. P-SSM4-like phages	185
Bacteria and Archaea	1. Possibly several species	153
Phylum CYANOBACTERIA, Class CYANOPHYCEAE		
Order SYNECHOCOCCALES, Family Synechococaceae	1. <i>Prochlorococcus</i> sp.	185
Phylum MYZOOA, Infraphylum DINOFLAGELLATA, Class PERIDINEA, Order Gonyaulacida, Family GoniDOMATAceae		
	1. <i>Gambierdiscus</i> sp.	180
	2. <i>Amphidinium carterae</i> Hulburt, 1957	180
Family Ostreopsidaceae	3. <i>Coolia tropicalis</i> Faust, 1995	180
	4. <i>Coolia</i> cf. <i>areolata</i>	180
	5. <i>Ostreopsis siamensis</i> Schmidt, 1901	180
Order Prorocentrida, Family Prorocentraceae	6. <i>Prorocentrum compressum</i> (Bailey, 1850) Abé ex Dodge, 1975	180
	7. <i>Prorocentrum concavum</i> Fukuyo, 1981	180
Phylum CHLOROPHYTA, Class BRYOPSIDOPHYCEAE,		
Order BRYOPSIDALES, Family Bryopsidaceae	1. <i>Bryopsis pennata</i> J.V. Lamouroux, 1809	74, 76
	2. <i>Derbesia marina</i> (Lyngbye) Solier, 1846	74, 76
Family Codiaceae	3. <i>Codium picturatum</i> F.F. Pedroche & P.C. Silva, 1996	74, 76
Family Caulerpaceae	4. <i>Caulerpa peltata</i> J.V. Lamouroux, 1809	74
	5. <i>Caulerpa racemosa</i> (Forsskål) J. Agardh, 1873	74
	6. <i>Caulerpa serrulata</i> (Forsskål) J. Agardh, 1837	74, 76
Family Udoteaceae	7. <i>Boodleopsis verticillata</i> E.Y. Dawson 1960	14
Order DASYCLADALES, Family Dasycladaceae	8. <i>Acetabularia parvula</i> Solms-Laubach, 1895	74
Class ULVOPHYCEAE, Order CLADOPHORALES,		
Family Cladophoraceae	9. <i>Cladophora panamensis</i> W.R. Taylor, 1945	74, 76
	10. <i>Cladophora</i> sp.	74
Order ULVALES, Family Ulvaceae	11. <i>Ulva flexuosa</i> Wulfen, 1803	14
	12. <i>Ulva intestinales</i> Linnaeus, 1753	74, 76
Phylum OCHROPHYTA, Class PHAEOPHYCEAE		
Order DICTYOTALES, Family Dictyotaceae	1. <i>Dictyopteris delicatula</i> J.V. Lamouroux, 1809	74
	2. <i>Dictyota stolonifera</i> Dawson, 1962	74, 76
	3. <i>Dictyota</i> sp.	74
	4. <i>Lobophora variegata</i> (Lamouroux) Womersley ex Oliveira, 1977	74, 76
	5. <i>Padina crispata</i> Thivy, 1945	74, 76
Order SCYTOSIPHONALES, Family Scytosiphonaceae	6. <i>Rosenvingea intricata</i> (J. Agardh) Borgesen, 1914	74, 76
Phylum RHODOPHYTA, Class FLORIDEOPHYCEAE		
Order CORALLINALES, Family Corallinaceae	1. <i>Amphiroa</i> spp.	74
	2. <i>Amphiroa minutissima</i> Taylor, 1945	74, 76
	3. <i>Corallina</i> sp.	74

	Species	Ref. ¹
	4. <i>Dermatholithon saxicolum</i> (Lemoine) Setchell & Mason, 1943	74
	5. <i>Jania</i> spp.	74
Family Hapalidaceae	6. <i>Lithothamnion</i> sp.	74
Order GELIDIALES, Family Gelidiaceae	7. <i>Gelidium</i> sp.	74
Order HILDENBRANDIALES, Family Hildenbrandiaceae	8. <i>Hildenbrandia</i> sp.	74
Order NEMALIALES, Family Galaxauraceae	9. <i>Galaxaura filamentosa</i> R. Chou, 1945	74, 76
Order GIGARTINALES, Family Peyssonneliaceae	10. <i>Peyssonnelia rubra</i> J.G. Agardh, 1851	74, 76
Order CERAMIALES, Family Ceramiaceae	11. <i>Ceramium</i> spp.	74
Family Rhodomelaceae	12. <i>Polysiphonia mollis</i>	74, 76
Order GRACILARIALES, Family Gracilariaceae	13. <i>Gracilaria</i> sp.	74
Phylum FORAMINIFERA, Class POLYTHALAMEA,		
Order BULIMIDA, Family Boliviniidae	1. <i>Bolivina tongi</i> var. <i>filicostata</i> (Cushman & McCulloch, 1942)	49, 56
Family Buliminididae	2. <i>Bulimina laevigata</i> Brady, 1881 as <i>Bolivina laevigata</i>	49, 56
Order LAGENIDA, Family Nodosariidae	3. <i>Dentalina</i> cf. <i>jugosa</i>	57, 98
	4. <i>Laevidentalina filiformis</i> (d'Orbigny, 1826) as <i>Dentalina filiformis</i>	98
Order LITUOLIDA, Family Ammodiscidae	5. <i>Ammodiscus pacificus</i> Cushman & Valentine, 1930	98
Family Discamminidae	6. <i>Ammoscalaria compressa</i> (Cushman & McCulloch, 1939) as <i>Ammofrondicularia compressa</i>	49, 55
Family Haplophragmoididae	7. <i>Haplophragmoides hancocki</i> Cushman & McCulloch, 1939	57, 98
Family Hormosinidae	8. <i>Reophax agglutinatus</i> Cushman, 1913	98
	9. <i>Reophax excentricus</i> Cushman, 1910	98
Family Nouriididae	10. <i>Nouria polymorphinoides</i> Heron-Allen & Earland, 1914	98
Family Verneulinidae	11. <i>Verneulinula advena</i> (Cushman, 1922) as <i>Eggerelloides advenus</i>	49, 55
Order Textulariida, Family Textulariidae	12. <i>Textularia articulata</i> d'Orbigny, 1846	98
	13. <i>Textularia conica</i> d'Orbigny, 1839	98
	14. <i>Textularia corrugata</i> Herron-Allen & Earland, 1915	98
	15. <i>Textularia panamensis</i> Cushman, 1918	98
	16. <i>Textularia schencki</i> Cushman & Valentine, 1930	98, 111
Order Trochamminidae, Family Trochamminidae	17. <i>Deuterammina rotaliformis</i> Heron-Allen & Earland, 1911 as <i>Trochammina rotaliformis</i>	49, 55
	18. <i>Polystomammina nitida</i> (Brady, 1881) as <i>Trochammina nitida</i>	49, 55
	19. <i>Trochammina charlottensis</i> Cushman, 1925	49, 55
Family Vaginulinidae	20. <i>Vaginulina exilis</i> Cushman & McCulloch, 1950	49, 57
Phylum PORIFERA, Class HEXACTINELLIDA		
Order AMPHIDISCOSIDA, Family Hyalonematidae	1. <i>Hyalonema (Coscinonema) pateriferum</i> Wilson, 1904	50, 186
Order HEXACTINOSIDA, Family Aphrocallistidae	2. <i>Aphrocallistes vastus</i> Schulze, 1886	50, 186
Family Euretidae	3. <i>Eurete erectum</i> Schulze, 1899	50, 186
	4. <i>Eurete</i> sp.	50, 186
Family Tretodictyidae	*5. <i>Tretodictyum cocosensis</i> Reiswig, 2010	141
Order LYSSACINOSIDA, Family Rossellidae	6. <i>Acanthascus (Staurocalyptus)</i> sp.	50, 186
Class DEMOSPONGIAE, Order SPIROPHORIDA		
Family Pachastrellidae	7. <i>Thenaea fenestrata</i> (Schmidt, 1880)	50, 186

	Species	Ref. ¹
Order HALICHONDRIIDA, Family Axinellidae	8. <i>Phakellia lamelligera</i> Wilson, 1904	50, 186
Phylum CNIDARIA, Class ANTHOZOA		
Order PENNATULACEA, Family Pennatulidae	1. <i>Ptilosarcus undulatus</i> Verrill, 1865	20, 21
Family Virgulariidae	2. <i>Stylatula cf. elongate</i>	21
	3. <i>Stylatula</i> sp.	21
Order ALCYONACEA, Family Aquaumbriidae	4. <i>Aquaumbra klapperi</i> Breedy, Van Ofwegen & Vargas, 2012	23a
Family Clavulariidae	5. <i>Rhodelinda</i> sp.	21
Family Gorgoniidae	6. <i>Leptogorgia alba</i> (Duchassaing & Michelotti, 1864)	20, 21
	*7. <i>Leptogorgia tricolorata</i> Breedy & Cortés, 2011	22
	*8. <i>Pacifigorgia curta</i> Breedy & Guzmán, 2003	21, 23
Family Isididae	9. <i>Isidella</i> sp.	21
Family Nephthiedae	10. <i>Anthomastus</i> sp.	21
Family Plexauridae	11. <i>Psammogorgia variabilis</i> Studer, 1894	21
	12. <i>Paramuricea</i> sp.	21
Family Primonoidae	13. <i>Narella</i> sp.	21
Order ACTINARIA, Family Isophelliidae	14. <i>Telmatactis cricoides</i> (Duchassaing, 1850)	45
	15. <i>Telmatactis panamensis</i> (Verrill, 1869)	2
Order SCLERACTINIA, Family Agariciidae	16. <i>Gardineroseris planulata</i> (Dana, 1846)	46
	17. <i>Leptoseris papyracea</i> (Dana, 1846)	46
	18. <i>Leptoseris scabra</i> Vaughan, 1907	46
	19. <i>Pavona chiriquensis</i> Glynn <i>et al.</i>, 2001	46
	20. <i>Pavona clavus</i> (Dana, 1846)	46
	21. <i>Pavona gigantea</i> Verrill, 1869	46
	22. <i>Pavona maldivensis</i> (Gardiner, 1905)	46
	23. <i>Pavona varians</i> Verrill, 1864	46
	24. <i>Pavona xarifae</i> Scheer & Pillai, 1974	46
Family Caryophylliidae	*25. <i>Anomocora carinata</i> Cairns, 1991	36, 46
	26. <i>Caryophyllia diomedea</i> Marenzeller, 1904	36, 46
	27. <i>Caryophyllia perculata</i> Cairns, 1991	36, 46
	28. <i>Coenocyathus bowersi</i> Vaughan, 1906	36, 46
	29. <i>Desmophyllum dianthus</i> (Esper, 1794)	36, 46
	30. <i>Polycyathus hondaensis</i> (Durham & Barnard, 1952)	36, 46
	31. <i>Tethocyathus prahli</i> Lattig & Cairns 2000	46, 112
Family Dendrophylliidae	32. <i>Dendrophyllia oldroydii</i> Oldroyd, 1924	36, 46
	33. <i>Endopachys grayi</i> Milne Edwards & Haime, 1848	36, 46
	34. <i>Rhizopsammia verrilli</i> Van der Horst, 1922	36, 46
	35. <i>Tubastrea coccinea</i> Lesson, 1829	36, 46
Family Faviidae	36. <i>Cladocora pacifica</i> Cairns, 1991	36, 46
Family Flabellidae	37. <i>Javania cailleti</i> (Duchassaing & Michelotti, 1864)	36, 46
Family Fungiidae	38. <i>Fungia (Cycloseris) curvata</i> Hoeksema, 1989	36, 46
	39. <i>Fungia (Cycloseris) distorta</i> Michelin, 1842	36, 46
Family Pocilloporidae	40. <i>Pocillopora damicornis</i> (Linnaeus, 1758)	46
	41. <i>Pocillopora elegans</i> Dana, 1846	46
	42. <i>Pocillopora eydouxi</i> Milne Edwards & Haime, 1860	46
	43. <i>Pocillopora meandrina</i> Dana, 1846	46
Family Poritidae	44. <i>Porites lobata</i> Dana, 1846	46
Family Rhizangiidae	45. <i>Astrangia dentata</i> Verrill, 1866	36, 46
	46. <i>Culicia stellata</i> Dana, 1846	36, 46

	Species	Ref. ¹
Family Siderastreidae	47. <i>Psammocora stellata</i> (Verrill, 1866)	46
	48. <i>Psammocora superficialis</i> Gardiner, 1898	46
Class SCYPHOZOA, Order CORONATAE		
Family Atollidae	49. <i>Atolla</i> sp.	15, 16
	50. <i>Atolla wyvillei</i> Haeckel, 1880	15, 16
	51. <i>Periphylla hyacinthina</i> (Péron & Lesueur, 1810)	15, 16
	52. <i>Periphylla</i> sp.	15, 16
Family Atorellidae	53. <i>Atorella arcturi</i> Bigelow, 1928	16
Family Linuchidae	54. <i>Linuche unguiculata</i> (Swartz, 1788)	16
Order SEMAEOSTOMEAE, Family Pelagiidae	55. <i>Pelagia noctiluca</i> (Forskål, 1775)	16
Class HYDROZOA		
Order ANTHOATHECATA, Family Polyorchidae	56. <i>Polyorchis penicillatus</i> (Eschscholtz, 1829)	149
Family Stylasteridae	57. <i>Errina macrogastra</i> Marenzeller, 1904	37, 46
	*58. <i>Pliobothrus fistulosus</i> Cairns, 1991	37, 46
	*59. <i>Stylaster cocosensis</i> Cairns, 1991	37, 46
	60. <i>Stylaster galapagensis</i> Cairns, 1986	37, 46
	61. <i>Stylaster marenzelleri</i> Cairns, 1986	37, 46
Order LEPTOTHECATA, Family Campanulariidae	62. <i>Clytia gracilis</i> (Sars, 1850) as <i>C. cylindrica</i> and as <i>Gonothyrea gracilis</i>	44, 80, 109
	63. <i>Obelia dichotoma</i> (Linnaeus, 1758) as <i>O. commissuralis</i>	44, 80, 98
Family Haleciidae	64. <i>Halecium washingtoni</i> Nutting, 1901	80, 81, 98
Family Sertulariidae	65. <i>Thuiaria crisioides</i> Lamouoroux, 1824	81, 98
Order TRACHYMEDUSAE, Family Rhopalonematidae	66. <i>Rhopalonema velatum</i> Gegenbaur, 1857	130
Other Hydromedusae	67-68. Two unidentified species in two families	130
Subclass SIPHONOPHORAE, Order CALYCOPHORAE		
Family Abylidae	69. <i>Abylopsis</i> sp.	17, 130
	70. <i>Abylopsis tetragona</i> (Otto, 1823)	17, 130
Family Dyphidae	71. <i>Dyphes dispar</i> (Chamisso & Eysenhardt, 1821)	17, 130
	72. <i>Dyphes</i> sp.	17, 130
	73. <i>Eudoxoides mitra</i> (Huxley, 1859)	17, 130
	74. <i>Muggiaea atlantica</i> Cunningham, 1892	17, 130
Family Hippopodiidae	75. <i>Vogtia serrata</i> (Moser, 1925)	17
Family Prayidae	76. <i>Nectadamas diomedae</i> (Bigelow, 1911)	17
	77. <i>Nectopyramis natans</i> (Bigelow, 1911)	17
	78. <i>Praya dubia</i> (Quoy & Gaimard, 1827)	17
Order PHYSONECTAE, Family Agalmatidae	79. <i>Agalma okenis</i> Eschscholtz, 1825	17, 147
	80. <i>Halistemma</i> sp.	17, 147
Family Athorybiidae	81. <i>Athorybia rosacea</i> (Forskål, 1775)	17
Family Forskaliidae	82. <i>Forskalia</i> sp.	17
Family Physophoridae	83. <i>Physophora hydrostatica</i> Forskål, 1775	17
Phylum MOLLUSCA, Class POLYPLACOPHORA		
Order CHITONIDA, Family Acanthochitonidae	1. <i>Acanthochitona angelica</i> Dall, 1919	156, 160
	2. <i>Acanthochitona hirudiniformis</i> (Sowerby, 1832)	156
Family Chitonidae	3. <i>Chiton goodallii</i> Broderip & Sowerby, 1832	60, 156
	4. <i>Chiton stokesii</i> Broderip, 1832	60, 78, 156

	Species	Ref. ¹
Family Ischnochitonidae	*5. <i>Ischnochiton victoriae</i> Ferreira, 1987	78, 156
	6. <i>Lepidozona rothi</i> Ferreira, 1983	78, 156
	7. <i>Stenoplax boogii</i> (Haddon, 1886)	78, 156
Family Mopaliidae	8. <i>Placiphorella blainvillei</i> (Broderip, 1832)	78, 156
Class GASTROPODA, Family Aeolidiidae	9. <i>Aeolidiella indica</i> Bergh, 1888	38
Family Aglajidae	10. <i>Navanax aenigmaticus</i> (Bergh, 1894)	172
Family Architectonicidae	11. <i>Architectonica nobilis</i> Röding, 1798	150
	12. <i>Discotectonica placentalis</i> (Hinds, 1844)	150
	13. <i>Heliacus mazatlanicus</i> Pilsbry & Lowe, 1932	150
	14. <i>Pseudotorinia architae</i> (O.G. Costa, 1841)	150
	15. <i>Psilaxis radiata</i> (Röding, 1798)	150
Family Amathinidae	16. <i>Phasianema saxicola</i> (C.B. Adams, 1852)	150
Family Areneidae	17. <i>Arene ferruginosa</i> McLean, 1970	150
	18. <i>Arene guttata</i> McLean, 1970	150
Family Atlantidae	19. <i>Atlanta</i> sp.	130
Family Barleeiidae	20. <i>Barleeia</i> cf. <i>bifasciata</i>	150
	21. <i>Barleeia orcutti</i> Bartsch, 1920	150
	22. <i>Barleeia paupercula</i> (C.B. Adams, 1852)	150
	23. <i>Barleeia polychroma</i> (de Folin, 1870)	150
	24. <i>Amphithalamus inclusus</i> Carpenter, 1864	150
Family Buccinidae	25. <i>Bailya anomala</i> (Hinds, 1844)	150
	26. <i>Caducifer cinis</i> (Reeve, 1846)	150
	27. <i>Cantharus gemmatus</i> (Reeve, 1846)	150
	28. <i>Cantharus rehderi</i> Berry, 1962	150
	29. <i>Cantharus sanguinolentus</i> (Duclos, 1833)	150
	30. <i>Clivipollia fragaria</i> (Wood, 1828)	150
	31. <i>Colubraria lucasensis</i> Strong & Hertlein, 1937	150
	32. <i>Colubraria ochsneri</i> Hertlein & Allison, 1968	150
	33. <i>Engina jugosa</i> (C.B. Adams, 1852)	150
	34. <i>Phos articulatus</i> Hinds, 1844	150
	35. <i>Phos cocosensis</i> Dall, 1896	98
	36. <i>Phos crassus</i> Hinds, 1843	150
Family Bullidae	37. <i>Bulla punctulata</i> A. Adams in Sowerby, 1850	70
Family Bursidae	38. <i>Bursa calcipicta</i> Dall, 1908	150
	39. <i>Bursa corrugata</i> (Perry, 1811)	150
	40. <i>Bursa granularis</i> (Röding, 1798)	150
	41. <i>Marsupina nana</i> (Broderip & Sowerby, 1829)	150
Family Caecidae	42. <i>Caecum clathratum</i> Carpenter, 1857	150
	43. <i>Caecum</i> cf. <i>corrugulatum</i>	150
	44. <i>Caecum laqueatum</i> C.B. Adams, 1852	150
	45. <i>Caecum lohri</i> (Strong & Hertlein, 1939)	150
	46. <i>Caecum paradoxum</i> de Folin, 1867	150
	47. <i>Caecum parvum</i> C.B. Adams, 1852	150
	48. <i>Elephantulum heptagonum</i> (Carpenter, 1857)	150
	49. <i>Elephantulum liratoctinctum</i> (Carpenter, 1857)	150
	50. <i>Fartulum glabriforme</i> (Carpenter, 1857)	150
Family Calyptraeidae	51. <i>Cheilea cepacea</i> (Broderip, 1834)	150
	52. <i>Cheilea corrugata</i> (Broderip, 1834)	150
	53. <i>Crucibulum scutellatum</i> (Wood, 1928)	150

	Species	Ref. ¹
Family Cancellariidae	54. <i>Cancellaria pulchra</i> Sowerby, 1832	150
	55. <i>Sveltia centrota</i> (Dall, 1896)	150
	56. <i>Trigonostoma breve</i> (Sowerby, 1832)	150
Family Carinariidae	57. <i>Cardiapoda placenta</i> (Lesson, 1830)	130
Family Cassidae	58. <i>Casmaria vibexmexicana</i> (Stearns, 1894)	150
	59. <i>Cypraecassis coarctata</i> (Sowerby, 1825)	150
	60. <i>Cypraecassis tenuis</i> (Wood, 1928)	150
	61. <i>Semicassis centiquadrata</i> (Valenciennes, 1832)	150
Family Cavoliniidae	62. <i>Diacavolinia longirostris</i> (Blainville, 1821) as <i>Cavolina logirostris</i>	98, 101
	63. <i>Clio</i> sp.	130
	64. <i>Creseis virgula</i> Rang, 1828 as <i>Creseus virgula</i>	98, 101
	65. <i>Cuvierina</i> sp.	130
	66. <i>Diacria quadridentata</i> (Lesueur, 1821)	98, 101
Family Cerithiidae	67. <i>Cerithium adustum</i> Kiener, 1841	60, 150
	68. <i>Cerithium maculosum</i> Kiener, 1841	60, 150
	69. <i>Cerithium uncinatum</i> (Gmelin, 1791)	60, 150
	70. <i>Rhinoclavis gemmata</i> (Hinds, 1844)	60, 150
Family Cerithiopsidae	71. <i>Cerithiopsis adamsi</i> Bartsch, 1911	150, 160
	72. <i>Seila assimilata</i> (C.B. Adams, 1852)	150
	73. <i>Seila kanoni</i> (de Folin, 1867)	150
	74. <i>Seila pulmoensis</i> DuShane & Draper, 1975	150
Family Chromodorididae	75. <i>Chromodoris sphoni</i> Ev. Marcus, 1971	38
	76. <i>Glossodoris baumanni</i> (Bertsch, 1970)	38
Family Columbelloidea	77. <i>Aesopus chrysalloides</i> (Carpenter, 1864)	150
	78. <i>Aesopus sanctus</i> Dall, 1919	150
	79. <i>Columbella labiosa</i> Sowerby, 1822	150
	80. <i>Columbella sonsonatensis</i> (Mörch, 1860)	150
	81. <i>Cotonopsis deroyae</i> (Emerson & D'Attilio, 1969)	150
	82. <i>Microcithara uncinata</i> (Sowerby, 1832)	150
	83. <i>Mitrella ocellata</i> (Gmelin, 1791)	150
	84. <i>Steironepion melanosticta</i> (Pilsbry & Lowe, 1932)	150
	85. <i>Zafraona incerta</i> (Stearns, 1892)	150
Family Conidae	86. <i>Conus brunneus</i> Wood, 1828	150
	87. <i>Conus chaldaeus</i> (Röding, 1798)	150
	88. <i>Conus dalli</i> Stearns, 1873	150
	89. <i>Conus diadema</i> Sowerby, 1834	150
	90. <i>Conus ebraeus</i> Linnaeus, 1758	150
	91. <i>Conus emarginatus</i> Reeve, 1844	150
	92. <i>Conus gladiator</i> Broderip, 1833	150
	93. <i>Conus gradatus</i> Wood, 1828	150
	94. <i>Conus lucidus</i> Wood, 1828	150
	95. <i>Conus mahogani</i> Reeve, 1843	150
	96. <i>Conus nux</i> Broderip, 1833	150
	97. <i>Conus purpurascens</i> Sowerby, 1833	150
	98. <i>Conus recurvus</i> Broderip, 1833	150
	99. <i>Conus tessulatus</i> Born, 1778	150
	100. <i>Conus tiaratus</i> Sowerby, 1833	150

	Species	Ref. ¹	
Family Coralliophilidae	101. <i>Babelomurex hindsii</i> (Carpenter, 1857)	150	
	102. <i>Babelomurex santacruzensis</i> (Emerson & D'Attilio, 1970)	150	
	103. <i>Coralliophila macleani</i> Shasky, 1970	150	
	104. <i>Coralliophila neritoidea</i> (Lamarck, 1816)	150	
	105. <i>Coralliophila parva</i> (E.A. Smith, 1877)	150	
	106. <i>Coralliophila rocasucia</i> Myers & D'Attilio, 1990	150	
	107. <i>Coralliophila violacea</i> (Kiener, 1836)	69	
	108. <i>Quoyula madreporarum</i> (Sowerby, 1834)	150	
	109. <i>Reliquiaecava robillardi</i> (Liénard, 1870)	150	
	110. <i>Rhizochilus antipathum</i> Steenstrup, 1850	150	
Family Costellariidae	111. <i>Thala jeancateae</i> Sphon, 1969	150	
Family Cylichnidae	112. <i>Cylichna atahualpa</i> (Dall, 1908)	172	
Family Cypraeidae	113. <i>Blasicrura alisonae</i> Burgess, 1983	150	
	114. <i>Blasicrura rashleighana</i> (Melvill, 1888)	150	
	115. <i>Blasicrura teres</i> Gmelin, 1791	150	
	116. <i>Erosaria albuginosa</i> Gray, 1825	150	
	117. <i>Erosaria caputserpentis</i> Linnaeus, 1758	150	
	118. <i>Luria isabellamexicana</i> Stearns, 1893	150	
	119. <i>Macrocyprea cervinetta</i> (Kiener, 1843)	150	
	120. <i>Mauritia depressa</i> (Gray, 1824)	150	
	121. <i>Monetaria moneta</i> Linnaeus, 1758	150	
	122. <i>Talparia talpa</i> Linnaeus, 1758	150	
	123. <i>Zonaria robertsi</i> (Hidalgo, 1906)	150	
	Family Cystiscidae	*124. <i>Gibberula achenea</i> Roth & Coan, 1971	150, 152
		125. <i>Gibberula minor</i> (C.B. Adams, 1852)	150
126. <i>Gibberula polita</i> (Carpenter, 1857)		150	
127. <i>Gibberula subtrigona</i> (Carpenter, 1864)		150	
128. <i>Persicula pulchella</i> (Kiener, 1834)		150	
Family Dendrodorididae	129. <i>Dendrodoris fumata</i> (Rüpell & Leuckart, 1831)	38	
Family Desmopteridae	130. <i>Desmopterus papilio</i> Chun, 1889	124	
Family Elachisnidae	131. <i>Elachisina johnstoni</i> (Baker, Hanna & Strong, 1930)	150	
Family Ellobiidae	132. <i>Ellobium stagnalis</i> (d'Orbigny, 1835)	60, 150	
	133. <i>Melampus carolianus</i> (Lesson, 1842)	60, 150	
	134. <i>Melampus tabogensis</i> C.B. Adams, 1852	60, 150	
	135. <i>Melampus trilineatus</i> (C.B. Adams, 1852)	98	
	136. <i>Pedipes angulatus</i> C.B. Adams, 1852	60, 150	
	137. <i>Tralia panamensis</i> (C.B. Adams, 1852)	60, 150	
	138. <i>Amaea deroyae</i> DuShane, 1970	150	
Family Epitoniidae	139. <i>Epitonium acapulcanum</i> Dall, 1917	150, 160	
	140. <i>Epitonium aciculinum</i> (Hinds, 1844)	150	
	141. <i>Epitonium billeanum</i> (DuShane & Bratcher, 1965)	150	
	142. <i>Epitonium hancocki</i> DuShane, 1970	150	
	143. <i>Epitonium indistinctum</i> (Sowerby, 1844)	150	
	144. <i>Epitonium replicata</i> (Sowerby, 1844)	150	
	145. <i>Opalia crystallina</i> (Carpenter, 1864)	150	
	146. <i>Opalia infrequens</i> (C.B. Adams, 1852)	150	
	147. <i>Opalia paulula</i> DuShane, 1974	150	
	148. <i>Opalia sanjuanensis</i> (Lowe, 1932)	150	

	Species	Ref. ¹
Family Eulimidae	149. <i>Eulima elegantissima</i> de Folin, 1887	150
	150. <i>Melanella ogasawarana</i> (Pilsbry, 1905)	150
	151. <i>Melanella townsendi</i> Bartsch, 1917	150
	152. <i>Niso aeglees</i> Bush, 1885	150
	153. <i>Niso interrupta</i> (Sowerby, 1834)	150
	154. <i>Sabinella shaskyi</i> Warén, 1992	150
	155. <i>Scalenostoma subulata</i> (Broderip, 1832)	150
Family Fasciolariidae	156. <i>Subniso rangii</i> (de Folin, 1867)	150
	157. <i>Leucozonia cerata</i> (Wood, 1828)	60, 150
	158. <i>Leucozonia tuberculata</i> (Broderip, 1833)	60, 150
	159. <i>Fusinus allyni</i> McLean, 1970	60, 150
	160. <i>Fusinus dupetitthouarsi</i> (Kiener, 1840)	60, 150
Family Fissurellidae	161. <i>Fusinus turris</i> (Valenciennes, 1832)	60, 150
	162. <i>Pleuroploca princeps</i> (Sowerby, 1825)	60, 150
	163. <i>Diodora inaequalis</i> (Sowerby, 1835)	150
	164. <i>Diodora punctifissa</i> McLean, 1970	150
	165. <i>Diodora saturnalis</i> (Carpenter, 1864)	150
	166. <i>Fissurella deroyae</i> McLean, 1970	150
	167. <i>Fissurella microtrema</i> Sowerby, 1835	150
Family Haliotidae	168. <i>Fissurella virescens</i> Sowerby, 1835	150
	169. <i>Lucapinella milleri</i> Berry, 1959	150
Family Haliotidae	*170. <i>Haliotis dalli roberti</i> McLean, 1970	125, 150
Family Harpidae	171. <i>Harpa crenata</i> Swainson, 1822	150
	172. <i>Morum veleroae</i> Emerson, 1968	150
Family Hipponicidae	173. <i>Hipponix antiquatus panamensis</i> C.B. Adams, 1852	150
	174. <i>Hipponix grayanus</i> Menke, 1853	150
	175. <i>Pilosabia pilosa</i> (Deshayes, 1832)	150
Family Juliidae	176. <i>Julia thecaphora</i> (Carpenter, 1857)	38
Family Limacinidae	177. <i>Limacina inflata</i> (d'Orbigny, 1836)	98, 101
	178. <i>Limacina trochiformis</i> (d'Orbigny, 1836)	130
Family Litiopidae	179. <i>Alaba supralirata</i> Carpenter, 1857	150
Family Littorinidae	180. <i>Echinolittorina aspera</i> (Philippi, 1846) as <i>Littorina aspera</i>	98
	181. <i>Echinolittorina modesta</i> (Philippi, 1846) as <i>Nodilittorina modesta</i>	98
	182. <i>Littoraria coccinea</i> (Gmelin, 1791)	60, 150
	183. <i>Littoraria pintado pullata</i> (Carpenter, 1864)	60, 150
	184. <i>Littoraria undulata</i> (Gray, 1839)	60, 150
	185. <i>Littorina keanae</i> Rosewater, 1978	60, 150
	186. <i>Nodilittorina atrata</i> (C.B. Adams, 1852)	60, 150
	187. <i>Nodilittorina conspersa</i> (Philippi, 1847)	60, 150
	188. <i>Nodilittorina dubiosa</i> (C.B. Adams, 1852)	60, 150
	189. <i>Lottia mesoleuca</i> (Menke, 1851)	150
	*190. <i>Lottia rothi</i> (Lindberg & McLean, 1981)	114, 150
	191. <i>Lottia strigatella</i> (Carpenter, 1864)	150
192. <i>Patelloida semirubida</i> (Dall, 1914)	150	
193. <i>Tectura ubiquita</i> (Lindberg & McLean, 1981)	150	
Family Marginellidae	194. <i>Volvarina taeniolata taeniolata</i> Mörch, 1860	150, 160

	Species	Ref. ¹	
Family Mitridae	195. <i>Mitra crenata</i> Broderip, 1836	60, 150, 160	
	196. <i>Mitra effusa</i> Broderip, 1836	60, 150	
	197. <i>Mitra ferruginea</i> Lamarck, 1811	60, 150	
	198. <i>Mitra fultoni</i> E.A. Smith, 1892	60, 150	
	199. <i>Mitra inca</i> d'Orbigny, 1841	60, 150	
	200. <i>Mitra lens</i> Wood, 1828	60, 150	
	201. <i>Mitra mitra</i> (Linnaeus, 1758)	60, 150	
	202. <i>Mitra papalis</i> (Linnaeus, 1758)	60, 150	
	203. <i>Mitra rupicola</i> Reeve, 1844	60, 150	
	204. <i>Mitra sphoni</i> Shasky & Campbell, 1964	60, 150	
	205. <i>Mitra swainsonii swainsonii</i> Broderip, 1836	60, 150	
	206. <i>Mitra tristis</i> Broderip, 1836	60, 150	
	207. <i>Subcancilla attenuata</i> (Broderip, 1836)	60, 150	
	208. <i>Subcancilla erythrogramma</i> (Tomlin, 1931)	60, 150	
	209. <i>Subcancilla sulcata</i> (Swainson in Sowerby, 1825)	60, 150	
	Family Muricidae	210. <i>Acanthais brevidentata</i> (Wood, 1828)	60, 150
		211. <i>Acanthotrophon sentus</i> Berry, 1969	60, 150
		212. <i>Aspella hastula</i> (Reeve, 1844)	60, 150
		213. <i>Aspella pollux</i> Radwin & D'Attilio, 1976	60, 150
		214. <i>Aspella pyramidalis</i> (Broderip, 1833)	60, 150
215. <i>Bizetiella micaela</i> Radwin & D'Attilio, 1972		60, 150	
216. <i>Chicoreus eversoni</i> D'Attilio, Myers & Shasky, 1987		60, 150	
217. <i>Drupa ricinus</i> (Linnaeus, 1758)		69	
218. <i>Favartia cocosensis</i> Myers & D'Attilio, 1990		60, 150	
219. <i>Favartia diomedaea</i> (Dall, 1908)		60, 150	
220. <i>Favartia humilis</i> (Broderip, 1833)		60, 150	
221. <i>Favartia incisa</i> (Broderip, 1833)		60, 150	
222. <i>Favartia laurae</i> (Vokes, 1970)		60, 150	
223. <i>Favartia mildredae</i> (Poorman, 1980)		60, 150	
224. <i>Favartia purdyae</i> Vokes & D'Attilio, 1980		60, 150	
225. <i>Favartia radwini</i> (Emerson & D'Attilio, 1970)		60, 150	
*226. <i>Favartia shaskyi</i> D'Attilio & Myers, 1988		61, 150	
227. <i>Hexaplex princeps</i> (Broderip, 1833)		60, 150	
228. <i>Mancinella speciosa</i> (Valenciennes, 1832)		60, 150	
229. <i>Mancinella triangularis</i> (Blainville, 1832)		60, 150	
230. <i>Morula uva</i> (Röding, 1798)		60, 150, 160	
231. <i>Murexiella humilis</i> (Broderip, 1833)		60, 150	
232. <i>Muricopsis westonensis</i> Myers & D'Attilio, 1990	60, 150		
233. <i>Muricopsis zeteki</i> Hertlein & Strong, 1951	60, 150		
234. <i>Neorapana muricata</i> (Broderip, 1832)	60, 150		
235. <i>Pascuala rufonotata</i> (Carpenter, 1864)	60, 150, 160		
236. <i>Phyllocoma scalariformis</i> (Broderip, 1833)	60, 150		
237. <i>Plicopurpura columellaris</i> (Lamarck, 1822)	60, 150		
238. <i>Plicopurpura patula pansa</i> (Gould, 1853)	60, 150		
239. <i>Pterotyphis lowei lowei</i> (Pilsbry, 1931)	60, 150		
240. <i>Stramonita biserialis</i> (Blainville, 1832)	60, 150		
241. <i>Trachypollia lugubris</i> (C.B. Adams, 1852)	60, 150		
242. <i>Tribulus planospira</i> (Lamarck, 1822)	60, 150		

	Species	Ref. ¹
	243. <i>Vasula melones</i> (Duclos, 1832)	60, 150
	244. <i>Vitularia salebrosa</i> (King & Broderip, 1832)	60, 150
Family Nassariidae	245. <i>Nassarius nassiformis</i> Leson, 1842	150
	246. <i>Nassarius nodicinctus</i> (A. Adams, 1852)	150
Family Naticidae	247. <i>Eunaticina insculpta</i> (Carpenter, 1865)	150
	248. <i>Natica elenae</i> Récluz, 1844	150
	249. <i>Natica grayi</i> Philippi, 1852	150
	250. <i>Natica idiopoma</i> Pilsbry & Lowe, 1932	150
	251. <i>Polinices helicoides</i> (Gray, 1825)	150
	252. <i>Polinices otis</i> (Broderip & Sowerby, 1829)	150
	253. <i>Polinices pardoanus</i> Dall, 1908	150
	254. <i>Mammilla simiae</i> (Deshayes, 1838) as <i>Polinices siiae</i>	100, 107, 150
Family Neritidae	255. <i>Nerita funiculata</i> Menke, 1851	60, 150
	256. <i>Nerita scabricosta</i> Lamarck, 1822	60, 150
	257. <i>Neritina latissima</i> Broderip, 1833	60, 150
Family Olividae	258. <i>Oliva foxi</i> Stingley, 1984	150
	259. <i>Oliva spicata</i> (Röding, 1798)	150
	*260. <i>Oliva spicata deynzeriae</i> Petuch & Sargent, 1986	137, 150
	261. <i>Olivella cocosensis</i> Olsson, 1956	150
Family Ovulidae	262. <i>Jenneria pustulata</i> (Lightfoot, 1786)	150
	263. <i>Neosimnia aequalis</i> (Sowerby, 1832)	150
	264. <i>Neosimnia avena</i> (Sowerby, 1832)	150
	265. <i>Pseudocypraea adamsonii</i> (Sowerby, 1832)	150
	266. <i>Simmialena rufa</i> (Sowerby, 1832)	150
	267. <i>Turbovula lenoreae</i> (Cardin & Walls, 1980)	150
Family Pelyciidae	268. <i>Pelycidion kelseyi</i> (Bartsch, 1911)	150
Family Personidae	269. <i>Distorsio constricta constricta</i> (Broderip, 1833)	150
	270. <i>Distorsio decussata</i> (Valenciennes, 1832)	150
	271. <i>Distorsio jenniernestae</i> Emerson & Piech, 1992	150
Family Phenacolepadidae	272. <i>Plesiothyreus osculans</i> (C.B. Adams, 1852)	150
Family Phylliroidae	273. <i>Phylliroë bucephala</i> Péron & Lesueur, 1810	130
Family Planaxidae	274. <i>Fossarus angulatus</i> Carpenter, 1857	150
	275. <i>Fossarus tuberosus</i> Carpenter, 1857	150
	276. <i>Planaxis planaxis</i> (a)	98
	277. <i>Planaxis planicostatus</i> Sowerby, 1825	150
Family Pleurobranchidae	278. <i>Berthellina ilisima</i> Marcus & Marcus, 1967	38
	279. <i>Pleurobranchus areolatus</i> (Mörch, 1863)	38
Family Pneumodermatidae	280. <i>Pnemodeopsis</i> sp.	130
Family Polyceridae	281. <i>Tambja adbere</i> Farmer, 1978	38
Family Potamididae	282. <i>Modulus cerodes</i> (A. Adams, 1851)	150
Family Pterotracheidae	283. <i>Pterotrachea coronata</i> Forsskål, 1775	130
Family Pyramidellidae	284. <i>Herviera gliriella</i> (Melvill & Standen, 1896)	150
	285. <i>Menestho aequisculpta</i> (Carpenter, 1864)	150
	286. <i>Menestho grijalvae</i> (Baker, Hanna & Strong, 1928)	150
	287. <i>Miralda armata</i> (Carpenter, 1857)	150
	288. <i>Miralda terebellum</i> (C.B. Adams, 1852)	150
	289. <i>Triptychus incantatus</i> (Hertlein & Strong, 1939)	150
	290. <i>Turbonilla paucilirata</i> (Carpenter, 1857)	150

	Species	Ref. ¹	
Family Ranellidae	291. <i>Charonia tritonis</i> Linnaeus, 1758	150	
	292. <i>Cymatium amictum</i> (Reeve, 1844)	150	
	293. <i>Cymatium aquatile</i> (Reeve, 1844)	150	
	294. <i>Cymatium</i> cf. <i>keenae</i>	150	
	295. <i>Cymatium macrodon</i> (Valenciennes, 1832)	150	
	296. <i>Cymatium muricinum</i> (Röding, 1798)	150	
	297. <i>Cymatium nicobaricum</i> (Röding, 1798)	150	
	298. <i>Cymatium succincta</i> (Linnaeus, 1771)	150	
	299. <i>Cymatium vestitum</i> (Hinds 1844)	150	
	Family Retusidae	300. <i>Volvulella catharia</i> Dall, 1919	38
Family Rissoellidae	301. <i>Rissoella tumens</i> (Carpenter, 1857)	150, 160	
Family Rissoidae	302. <i>Alvania inconspicua</i> C.B. Adams, 1852	150, 160	
	303. <i>Folinia ericana</i> (Hertlein & Strong, 1951)	150	
	304. <i>Rissoina burragei</i> Bartsch, 1915	150	
	305. <i>Rissoina effusa</i> Mörch, 1860	150	
	306. <i>Rissoina stricta</i> Menke, 1850	150	
	307. <i>Sinezona rimuloides</i> (Carpenter, 1865)	150	
	Family Scissurellidae	308. <i>Siphonaria gigas</i> Sowerby, 1825	60, 150
Family Siphonariidae	309. <i>Williamia</i> cf. <i>peltoides</i>	60, 150, 160	
	Family Skeneidae	310. <i>Parviturbo stearnsii</i> (Dall, 1918)	150
Family Strombidae	311. <i>Lodderena ornata</i> (Olsson & McGinty, 1958)	150	
	312. <i>Strombus granulatus</i> Swainson, 1822	150	
Family Terebridae	313. <i>Terebra armillata</i> Hinds, 1844	150	
	314. <i>Terebra berryi</i> Campbell, 1961	150	
	315. <i>Terebra corintoensis</i> Pilsbry & Lowe, 1932	150	
	316. <i>Terebra crenulata</i> (Linnaeus, 1758)	150	
	317. <i>Terebra elata</i> Hinds, 1844	150, 160	
	318. <i>Terebra glauca</i> Hinds, 1844	150	
	319. <i>Terebra guayaquilensis</i> (E.A. Smith, 1880)	150	
	320. <i>Terebra hancocki</i> Bratcher & Burch, 1970	150	
	321. <i>Terebra maculata</i> (Linnaeus, 1758)	150	
	322. <i>Terebra ornata</i> Gray, 1834	150	
	323. <i>Terebra robusta</i> Hinds, 1844	150	
	324. <i>Terebra strigata</i> Sowerby, 1825	150	
	325. <i>Terebra variegata</i> Gray, 1834	150	
	Family Tergipedidae	326. <i>Phestilla lugubris</i> (Bergh, 1870)	38
	Family Tonnidae	327. <i>Malea ringens</i> (Swainson, 1822)	150
	Family Triphoridae	328. <i>Metaxia brunnicephala</i> (Kay, 1979)	150
329. <i>Metaxia convexa</i> (Carpenter, 1857)		150	
330. <i>Triphora alternata</i> C.B. Adams, 1852		150	
331. <i>Triphora chamberlini</i> Baker, 1926		150	
332. <i>Triphora dalli</i> Bartsch, 1907		150	
333. <i>Triphora oweni</i> Baker, 1926		150	
334. <i>Triphora stephensi</i> Baker & Spicer, 1935		150	
335. <i>Triphora triticea</i> Pease, 1861		150	
336. <i>Viriola samoana</i> Cernohorsky, 1977		150	
Family Triviidae		337. <i>Hesperato oligostata</i> (Dall, 1902)	150
	338. <i>Trivia atomaria</i> Dall, 1902	150	

	Species	Ref. ¹
	339. <i>Trivia pacifica</i> (Sowerby, 1832, ex Gray, MS)	150
	340. <i>Trivia panamensis</i> Dall, 1902	150
Family Trochidae	341. <i>Calliotropis equatorialis</i> (Dall, 1896)	150
	342. <i>Mirachelus galapagensis</i> McLean, 1970	150
	343. <i>Solariella diomedea</i> Dall, 1919	150
Family Truncatellidae	344. <i>Truncatella bairdiana</i> C.B. Adams, 1852	150
Family Turbinellidae	345. <i>Surculina blanda</i> (Dall, 1908)	150
Family Turbinidae	346. <i>Tegula cooksoni</i> (E.A. Smith, 1877)	150
	347. <i>Tegula fasciata</i> (Born, 1778)	150
	348. <i>Tegula gallina</i> (Forbes, 1850)	98
	349. <i>Tegula maculostriata</i> (C.B. Adams, 1845)	98
	350. <i>Tricolia diantha</i> (McLean, 1970) as <i>Eulithidium diantha</i>	150, 160
	351. <i>Tricolia variabilis</i> (Pease, 1861)	150
	352. <i>Turbo saxosus</i> Wood, 1828	150, 160
	353. <i>Turbo squamiger</i> Reeve, 1843	150
Family Turridae	354. <i>Agathotoma alcippe</i> (Dall, 1918)	150
	355. <i>Bellaspira melea</i> Dall, 1919	150
	356. <i>Buchema granulosa</i> (Sowerby, 1834)	150
	357. <i>Clathurella rigida</i> (Hinds, 1843)	150
	358. <i>Crassispira abdera</i> (Dall, 1919)	150
	359. <i>Crassispira cerithoidea</i> (Carpenter, 1857)	150
	360. <i>Crassispira erigone</i> Dall, 1919	150
	361. <i>Crassispira turricula</i> (Sowerby, 1834)	150
	362. <i>Daphnella allemani</i> (Bartsch, 1931)	150
	363. <i>Daphnella mazatlanica</i> Pilsbry & Lowe, 1932	150
	364. <i>Daphnella retusa</i> McLean & Poorman, 1971	150
	365. <i>Glyphostoma neglecta</i> (Hinds, 1843)	150
	366. <i>Glyphostoma scobina</i> McLean & Poorman, 1971	150
	367. <i>Hindsiclava resina</i> (Dall, 1908)	150
	368. <i>Iredalea ella</i> (Pilsbry & Lowe, 1932)	150
	369. <i>Iredalea perfecta</i> (Pilsbry & Lowe, 1932)	150
	370. <i>Ithythyra penelope</i> (Dall, 1919)	150
	371. <i>Kurtziella plumbea</i> (Hinds, 1843)	150
	372. <i>Microdaphne trichodes</i> (Dall, 1919)	150
	373. <i>Microdrillia zeuxippe</i> (Dall, 1919)	150
	374. <i>Mitromorpha filosa</i> (Carpenter, 1865)	150
	375. <i>Nannodiella nana</i> (Dall, 1919)	150
	376. <i>Tenaturris merita</i> (Hinds, 1843)	150
	377. <i>Xanthodaphne agonia</i> (Dall, 1890)	150
	378. <i>Xanthodaphne encella</i> (Dall, 1908)	150
Family Turritellidae	379. <i>Turritella clarionensis</i> (Hertlein & Strong, 1951)	150
	380. <i>Vermicularia cf. frisbeyae</i>	150
	381. <i>Vermicularia pellucida eburnea</i> (Reeve, 1842)	150
Family Vanikoridae	382. <i>Vanikoro acuta</i> Récluz, 1844	150
	383. <i>Vanikoro aperta</i> (Carpenter, 1864)	150
Family Vermetidae	384. <i>Eualetes tulipa</i> (Chenu, 1843, ex Rousseau, MS)	150
	385. <i>Petalococonchus complicatus</i> Dall, 1908	150
	386. <i>Petalococonchus macrophragma</i> (Carpenter, 1856)	150
	387. <i>Vermetus</i> sp.	98

	Species	Ref. ¹
Family Vitrinellidae	388. <i>Cyclostremiscus trigonatus</i> (Carpenter, 1857)	150
	389. <i>Parviturbooides monilifer</i> (Carpenter, 1857)	150
	390. <i>Solariorbis allomphalus</i> Pilsbry & Olsson, 1952	150
	391. <i>Solariorbis regularis</i> (C.B. Adams, 1852)	150
Class BIVALVIA, Order ANOMALODESMATA		
Family Poromyidae	392. <i>Cetomya scapha</i> (Dall, 1902) as <i>Cetoconcha scapha</i>	98
Order ARCOIDA, Family Arcidae	393. <i>Acar gradata</i> (Broderip & Sowerby, 1829)	118
	394. <i>Anadara (Esmerarca) reinharti</i> (Lowe, 1935)	118
	395. <i>Anadara (Grandiarca) grandis</i> (Broderip & Sowerby, 1829)	118
	396. <i>Arca (Arca) mutabilis</i> (Sowerby, 1833)	118
	397. <i>Arca (Arca) pacifica</i> (Sowerby, 1833)	118
	398. <i>Barbatia (Cucullaearca) reeveana</i> (d'Orbigny, 1846)	118
	399. <i>Larkinia multicosata</i> (Sowerby, 1833)	70
Family Glycymerididae	400. <i>Axinactis inaequalis</i> (Sowerby, 1833)	70
	401. <i>Glycymeris (Glycymeris) gigantea</i> (Reeve, 1843)	118
	402. <i>Glycymeris (Glycymeris) lintea</i> Olsson, 1961	118
	403. <i>Glycymeris (Tucetona) strigilata</i> (Sowerby, 1833)	118
Family Noetiidae	404. <i>Arcopsis solida</i> (Sowerby, 1833)	118
Order MYTILOIDA, Family Mytilidae	405. <i>Crenella decussata</i> (Montagu, 1808)	118
	406. <i>Crenella divaricata</i> (Orbigny in Sagra, 1853)	98
	407. <i>Lithophaga (Diberus) plumula</i> (Hanley, 1843)	118
	408. <i>Lithophaga (Labis) attenuata</i> (Deshayes, 1836)	98
	409. <i>Lithophaga (Myoforceps) aristata</i> (Dillwyn, 1817)	118
	410. <i>Lithophaga (Stumpiella) calyculata</i> (Carpenter, 1857)	118
	411. <i>Septifer zeteki</i> Hertlein & Strong, 1946	118
Order PTERIOIDA, Family Isognomonidae	412. <i>Isognomon bicolor</i> (Adams, 1845) as <i>I. chmnitzianum</i>	98
	413. <i>Isognomon (Melina) janus</i> Carpenter, 1857	118,160
	414. <i>Isognomon (Melina) recognitus</i> (Mabille, 1895)	118,160
	415. <i>Isognomon quadrangularis</i> (a)	98
Family Malleidae	416. <i>Malleus (Malvufundus) regulus</i> (Forsskål, 1775)	118
Family Pinnidae	417. <i>Atrina (Servatrina) tuberculosa</i> (Sowerby, 1835)	118
	418. <i>Steptopinna saccata</i> (Linnaeus, 1758)	118
Family Pteriidae	419. <i>Pincatada mazatlanica</i> (Hanley, 1856)	69
	420. <i>Pteria sterna</i> (Gould, 1851)	118
Order LIMOIDA, Family Limidae	421. <i>Lima tetrica</i> Gould, 1851	118
	422. <i>Limaria pacifica</i> (d'Orbigny, 1846)	118
Order OSTREOIDA, Family Anomiidae	423. <i>Anomia (Anomia) peruviana</i> d'Orbigny, 1846	118
Family Gryphaeidae	424. <i>Hyotissa solida</i> (Sowerby, 1871)	118
Family Ostreidae	425. <i>Crassostrea palmula</i> (Carpenter, 1857)	118
	426. <i>Crassostrea prismatica</i> (Gray, 1825)	118
	427. <i>Dendostrea folium</i> (Linnaeus, 1758)	118
Family Pectinidae	428. <i>Argopecten circularis</i> (Sowerby, 1835)	70
	429. <i>Euvola galapagensis</i> (Grau, 1959)	118
	430. <i>Euvola hancocki</i> (Grau, 1959)	89
	431. <i>Envola perulus</i> (Olsson, 1961)	118
	432. <i>Euvola vogdesi</i> (Arnold, 1906)	118
	*433. <i>Leopecten cocosensis</i> Waller, 2007	182

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	434. <i>Leopecten sericeus</i> (Hinds, 1845)	118
	435. <i>Nodipecten subnodosus</i> (Sowerby, 1853)	118
Family Propeamussiidae	436. <i>Cyclopecten cocosensis</i> (Dall, 1908)	118
	437. <i>Cyclopecten exquisitus</i> Grau, 1959	118
Family Spondylidae	438. <i>Spondylus calcifer</i> Carpenter, 1857	118
	439. <i>Spondylus limbatus</i> Sowerby, 1847	118
	440. <i>Spondylus linguaefelis</i> Sowerby, 1847	118
	441. <i>Spondylus violacescens</i> Lamarck, 1819 as <i>S. tenebrosus</i>	69
Order VENEROIDA, Family Cardiidae	442. <i>Papyridea aspersa</i> (Sowerby, 1833)	118
	443. <i>Americardia planicostata</i> (Sowerby, 1833)	118
Family Carditidae	444. <i>Cardites laticostata</i> (Sowerby, 1833)	118
	445. <i>Strophocardia megastrophia</i> (Gray, 1825)	118
Family Chamidae	446. <i>Chama squamuligera</i> Pilsbry & Lowe, 1932	118
	447. <i>Pseudochama clarionensis</i> Willett, 1938	118
Family Condylorcardiidae	448. <i>Condylorcardia hippopus</i> (Mörch, 1861)	118
Family Lasaeidae	449. <i>Amerycina colpoica</i> (Dall, 1913)	118
	450. <i>Solecardia eburnea</i> Conrad, 1849	118
Family Lucinidae	451. <i>Codakia distinguenda</i> (Tryon, 1872)	118
	452. <i>Ctena clarionensis</i> Hertlein & Strong, 1946	118
	453. <i>Divalinga eburnea</i> (Reeve, 1850)	118
	454. <i>Divalinga perparvula</i> (Dall, 1901)	118
Family Neoleptonidae	455. <i>Neolepton (Neolepton) subtrigonum</i> (Carpenter, 1857)	118
Family Semelidae	456. <i>Semele (Amphidesma) formosa</i> (Sowerby, 1833)	118
	457. <i>Semele (Amphidesma) purpurascens</i> (Gmelin, 1791)	118
	458. <i>Semele (Elegantula) rupium</i> (Sowerby, 1833)	118
	459. <i>Semele jamesi</i> Coan, 1988	118
Family Tellinidae	460. <i>Tellina (Elliptotellina) pacifica</i> Dall, 1900	118
	461. <i>Tellina (Laciolina) ochracea</i> Carpenter, 1864	118
	462. <i>Tellina (Moerella) coani</i> Keen, 1971	118
	463. <i>Tellina (Tellinella) cumingii</i> Hanley, 1844	118
Family Ungulinidae	464. <i>Diplodonta subquadrata</i> Carpenter, 1856 as <i>D. (Diplodonta) subquadrata</i>	70
Family Veneridae	465. <i>Globivenus isocardia</i> (Verrill, 1870)	118
	466. <i>Pitar (Hyphantosoma) hertleini</i> Olsson, 1961	118
Order MYOIDA, Family Corbulidae	467. <i>Corbula (Caryocorbula) nasuta</i> Sowerby, 1833	118
Family Thraciidae	468. <i>Bushia galapagana</i> (Dall, 1915)	118
Order SEPTIBRANCHIDA, Family Verticordiidae	469. <i>Haliris aequacostata</i> (Howard, 1950)	118
Class CEPHALOPODA, Order OCTOPODA, Family Octopodidae	470. <i>Muusoctopus januarii</i> (Hoyle, 1885) as <i>Polypus januarii</i>	102
	471. <i>Octopus pusillus</i> Gould, 1852 as <i>Polypus pusellus</i>	102
Undefined generic placement	472. " <i>Octopus</i> " <i>alecto</i> Berry, 1953	99
Order OEGOPSIDA, Family Argonautidae	473. <i>Argonauta argo</i> Linnaeus, 1758	102
	474. <i>Argonauta cornutus</i> Conrad, 1854	99
	475. <i>Argonauta nouryi</i> Lorois, 1852	99
	476. <i>Argonauta pacifica</i> Dall, 1871	99
Family Cranchiidae	477. <i>Galiteuthis pacifica</i> (Robson, 1948) as <i>Taonidium pacificum</i>	98
	478. <i>Helicocranchia beebei</i> Robson, 1948	98
	479. <i>Liocranchia reinhardti</i> (Steenstrup, 1856)	98

	Species	Ref. ¹
Family Enoploteuthidae	480. <i>Pterygioteuthis giardi hoylei</i> (Pfeffer, 1912) as <i>Pyroteuthis giardi</i>	98
Family Octopoteuthidae	481. <i>Octopoteuthis neilseni</i> Robson, 1948	98
Family Ommastrephidae	482. <i>Abrialopsis hoylei</i> (Pfeffer, 1884)	98
	483. <i>Dosidicus gigas</i> (Orbigny, 1835)	99
	484. <i>Ommastrephes bartrami</i> (LeSueur, 1821)	99
	485. <i>Sthenoteuthis oualaniensis</i> (Lesson, 1830)	99
Family Onychoteuthidae	486. <i>Onychoteuthis banksi</i> (Leach, 1817)	99
	487. <i>Onyia</i> sp.	98
Family Thysanoteuthidae	488. <i>Thysanoteuthis rhombus</i> Troschel, 1857	99
Order TEUTHIDA, Family Loliginidae	489. <i>Lolliguncula (Lolilopsis) diomedea</i> (Hoyle, 1904)	99
Order VAMPYROMORPHA, Family Vampyroteuthidae	490. <i>Vampyroteuthis infernalis</i> Chun, 1903 as <i>Melanoteuthis beebei</i>	98
Phylum SIPUNCULA, Class PHASCOLOSOMATIDEA		
Order ASPIDOSIPHONIFORMES,		
Family Aspidosiphonidae	1. <i>Aspidosiphon elegans</i> Chimisso & Eysenhardt, 1821	65
	2. <i>Aspidosiphon gracilis schnehageni</i> (W. Fischer, 1913)	65
	3. <i>Aspidosiphon misakiensis</i> Ikeda, 1904	65
	4. <i>Aspidosiphon (Paraspidosiphon) laevis</i> de Quatrefages 1865	65
	5. <i>Aspidosiphon (Paraspidosiphon) fischeri</i> ten Broeke, 1925	65
Class PHASCOLOSOMATIDEA, Order PHASCOLOSOMATIFORMES, Family Phascolosomatidae		
	6. <i>Antillesoma antillarum</i> (Grube & Oersted 1858)	65
	7. <i>Phascolosoma agassizii</i> Keferstein, 1866	65
	8. <i>Phascolosoma nigrescens</i> (Keferstein, 1865)	65
	9. <i>Phascolosoma scolops</i> Selenka and de Man, 1883	65
	10. <i>Phascolosoma</i> sp.	65
Class SIPUNCULIDEA, Order SIPUNCULIFORMES, Family Sipunculidae		
	11. <i>Sipunculus norvegicus</i> Danielsen 1869	65
Phylum ECHIURIDA, CLASS ECHIUROIDEA		
Order ECHIURIDA, Family Echiuridae		
Phylum ANNELIDA, Class POLYCHAETA,		
Subclass ACICULATA, Order AMPHINOMIDA,		
Suborder Aphroditiformia, Family Amphinomidae		
	1. <i>Chloeia entypa</i> Chamberlin, 1919	63, 67
	2. <i>Chloeia</i> cf. <i>pinnata</i> Moore, 1911	67
	3. <i>Chloeia viridis</i> Schmarda, 1861	63, 67
	4. <i>Eurythoe complanata</i> (Pallas, 1776)	63, 67
	5. <i>Linopherus canariensis</i> Langerhans, 1881	67
	6. <i>Notopygos crinita</i> Grube, 1855	63
	7. <i>Notopygos ornata</i> Grube, 1856	67, 160
	8. <i>Pareurythoe paupera</i> (Grube, 1856)	67
	9. <i>Pareurythoe spirocirrata</i> (Essenberg, 1917)	67
Family Chrysopetalidae	10. <i>Chrysopetalum occidentale</i> Johnson, 1897	67
Family Pisionidae	11. <i>Pisione</i> cf. <i>galapagoensis</i> Westheide, 1974	67
Subclass ACICULATA, Order EUNICIDA,		
Family Dorvilleidae	12. <i>Dorvillea (Dorvillea) cerasina</i> (Ehlers, 1901)	67, 160
Family Eunicidae	13. <i>Eunice aphroditois</i> (Pallas, 1788)	67
	14. <i>Eunice biannulata</i> Moore, 1904	67

	Species	Ref. ¹
	15. <i>Eunice mutilata</i> Webster, 1884	67
	16. <i>Lysidice</i> sp.	67
	17. <i>Nematonereis unicornis</i> (Grube, 1840)	67, 160
	18. <i>Palola</i> cf. <i>siciliensis</i> (Grube, 1840)	67
Family Lumbrineridae	19. <i>Lumbrineris annulata</i> Hartmann-Schröder, 1960	67
	20. <i>Scoletoma tetraura</i> (Schmarda, 1861)	67
Family Oenonidae	21. <i>Arabella</i> (<i>Arabella</i>) <i>protomutans</i> Orensanz, 1990	67
	22. <i>Drilonereis longa</i> Webster, 1879	67
	23. <i>Oenone fulgida</i> (Savigny in Lamarck, 1818)	67
Family Onuphidae	24. <i>Mooreonuphis elsiae</i> de León-González, 1994	67
Subclass ACICULATA , Order PHYLLODOCIDA, Suborder Aphroditiformis, Family Acoetidae	25. <i>Polyodontes panamensis</i> Chamberlin, 1919	67
Family Polynoidae	26. <i>Harmothoe imbricata</i> (Linnaeus, 1767)	67
	27. <i>Harmothoe</i> sp.	67, 160
	28. <i>Iphione ovata</i> Kinberg, 1855	64, 67, 160
	29. <i>Lepidasthenia gigas</i> (Johnson, 1897)	67
	30. <i>Lepidasthenia ornata</i> Treadwell, 1937	67
	31. <i>Lepidasthenia picta</i> Treadwell, 1928	67
	32. <i>Lepidonotus furcillatus</i> (Ehlers, 1901)	98
	33. <i>Subadyte</i> cf. <i>mexicana</i> Fauchald, 1972	67
Family Sigalionidae	34. <i>Psammolyce spinosa</i> Hartman, 1939	63
	35. <i>Sigalion lewisii</i> Berkely & Berkely, 1939	63, 67
	36. <i>Sigalion spinosus</i> (Hartman, 1939) as <i>Eusigalion spinosus</i>	92
	37. <i>Sihenelais fusca</i> Johnson, 1897	98
Subclass ACICULATA, Order Phyllodocida, Suborder Nereidiformia, Family Hesioniidae	38. <i>Hesione</i> cf. <i>intertexta</i> Grube, 1878	67, 160
	39. <i>Microphthalmus indefatigatus</i> Westheide, 1974	67
	40. <i>Podarkeopsis brevipalpa</i> Hartmann-Schröder, 1959	67
	41. <i>Psamathe ancuda</i> (Wesenberg-Lund, 1962)	67
Family Nereididae	42. <i>Ceratonereis singularis</i> Treadwell, 1929	67, 160
	43. <i>Laeonereis brunnea</i> Hartmann-Schröder, 1959	67
	44. <i>Neanthes acuminata</i> Ehlers, 1868	67
	45. <i>Neanthes</i> cf. <i>roosevelti</i> Hartman, 1939	67
	46. <i>Neanthes succinea</i> (Frey & Leuckart, 1847)	67
	47. <i>Nereis eugeniae</i> (Kinberg, 1866)	67
	48. <i>Nereis oligohalina</i> (Rioja, 1946)	67
	49. <i>Nereis panamensis</i> Fauchald, 1977	67
	50. <i>Perinereis helleri</i> (Grube, 1878)	63, 103
Family Pilargidae	51. <i>Synelmis gorgonensis</i> (Monro, 1933)	67
Family Syllidae	52. <i>Branchiosyllis exilis</i> (Gravier, 1900)	67
	53. <i>Branchiosyllis</i> sp. Grube, 1857	67
	54. <i>Eusyllis lamelligera</i> Marion & Bobretzky, 1875	67
	55. <i>Exogone</i> (<i>Exogone</i>) <i>breviantennata</i> Hartmann-Schröder, 1959	67, 160
	56. <i>Myrianida multidenticulata</i> (Westheide, 1974)	67
	57. <i>Odontosyllis fulgurans dolerus</i> Westheide, 1974	67, 160
	58. <i>Opisthodontia mitchelli</i> Kudenov & Harris, 1995	67
	59. <i>Opisthodontia</i> sp.	67

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	60. <i>Opisthosyllis brunnea</i> Langerhans, 1879	67
	61. <i>Paraehlersia articulata</i> (Kudenov & Harris 1995)	67, 160
	62. <i>Syllis bella</i> Chamberlin, 1919	67
	63. <i>Syllis beneliahuae</i> (Campoy & Alquezar, 1982)	67
	64. <i>Syllis garciai</i> (Campoy, 1982)	67
	65. <i>Syllis gracilis</i> Grube, 1840	67
	66. <i>Syllis cf. hyalina</i> Grube, 1863	67
	67. <i>Syllis magna</i> (Westheide, 1974)	67
	68. <i>Syllis valida</i> (Grube, 1857)	67, 160
	69. <i>Syllis variegata</i> (Grube, 1860) as <i>S. variagata</i>	67
	70. <i>Trypanosyllis taeniaeformis</i> (Haswell, 1886)	67, 160
	71. <i>Westheidesyllis heterocirrata</i> (Hartmann-Schröder, 1959)	67, 160
Subclass ACICULATA , Order Phyllodocida,		
Family Alciopidae	72. <i>Alciopina parasitica</i> Claparède & Panceri, 1867	106
Family Glyceridae	73. <i>Glycera brevicirris</i> Grube, 1870	67
	74. <i>Hemipodia pustatula</i> (Friedrich, 1956)	67, 160
Family Lopadorrhynchidae	75. <i>Pelagobia longicirrata</i> Gravier, 1911	106
Family Phyllodocidae	76. <i>Nereiphylla castanea</i> (Marzeneller, 1879)	67, 160
	77. <i>Phyllodoce madeirensis</i> Langerhans, 1880	67, 160
	78. <i>Phyllodoce medipapillata</i> Moore, 1909	67
	79. <i>Sige cf. bifoliata</i> (Moore, 1909)	67, 160
Family Polynoidea	80. <i>Drieschia pellucida</i> Moore, 1903	106
Family Tomopteridae	81. <i>Tomopteris nationalis</i> Apstein, 1900	106
	82. <i>Tomopteris nisseni</i> Rosa, 1908	63
Family Typhloscolecidae	83. <i>Travisopsis dubia</i> Stöp-Bowitz, 1948	106
	84. <i>Typhloscolex muelleri</i> Busch, 1851	106
Subclass CANALIPALPATA , Order Sabellida,		
Family Sabellariidae	85. <i>Gesaia</i> sp.	67
Family Sabellidae	86. <i>Bispira melanostigma</i> Schmarda, 1861	67
	87. <i>Branchiomma costaricensis</i> Tovar-Hernández & Dean, 2010	67, 160, 170
	88. <i>Megalomma pacifica</i> Johansson, 1927	67
Family Serpulidae	89. <i>Vermiliopsis multiannulata</i> (Moore, 1923)	67, 160
Subclass CANALIPALPATA , Order SPIONIDA,		
Family Chaetopteridae	90. <i>Chaetopterus aduncus</i> Nishi, Hickman & Bailey-Brock, 2009	67
	91. <i>Chaetopterus cf. galapagensis</i> Nishi, Hickman & Bailey-Brock, 2009	67
	92. <i>Chaetopterus</i> sp.	8
	93. <i>Mesochaetopterus alipes</i> Monro, 1933	67
	94. <i>Mesochaetopterus ecuadorica</i> (Nishi, 2009)	67
	95. <i>Spiochaetopterus costarum</i> (Claparède, 1870)	67
Family Magelonidae	96. <i>Magelona californica</i> Hartman, 1944	67, 160
Family Spionidae	97. <i>Aonides cf. glandulosa</i> Blake, 1996	67
	98. <i>Aonides paucibranchiata</i> Southern, 1914	67
	99. <i>Laonice cirrata</i> (Sars, 1851)	67
	100. <i>Microspio microcera</i> (Dorsey, 1977)	67
	101. <i>Prionospio (Prionospio)</i> sp.	67
	102. <i>Rhynchospio glutaea</i> (Ehlers, 1897)	67

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	103. <i>Scolecopsis (Scolecopsis) squamata</i> (Müller, 1806)	67
	104. <i>Spiophanes berkeleyorum</i> Pettibone, 1962	67
Subclass CANALIPALPATA , Order Terebellida, Suborder Cirratuliformia, Family Acrocirridae	105. <i>Acrocirrus heterochaetus</i> Annenkova, 1934	67
Family Cirratulidae	106. <i>Dodecaceria</i> sp.	67
Family Flabelligeridae	107. <i>Pherusa inflata</i> (Treadwell, 1914)	67
	108. <i>Pherusa papillata</i> (Johnson, 1901)	67
Subclass CANALIPALPATA , Order Terebellida, Suborder Terebellomorpha, Family Ampharetidae	109. Unidentified species	67
Family Terebellidae	110. <i>Lanice conchilega</i> (Pallas, 1766)	67
	111. <i>Polycirrus mexicanus</i> Rioja, 1947	67
	112. <i>Polycirrus</i> sp.	67
Family Trichobranchidae	113. <i>Trichobranchus hancocki</i> (Hartman, 1955)	67
Subclass SCOLECIDA (no assigned Order), Family Capitellidae	114. <i>Notodasus kristiani</i> García-Garaz, Hernández-Valdez & de León-González, 2009	67
	115. <i>Notomastus lineatus</i> Claparède, 1870	67, 160
Family Opheliidae	116. <i>Armandia brevis</i> (Moore, 1906)	67
Family Orbiniidae	117. <i>Naineris chilensis</i> (Hartmann-Schröder, 1965)	67
	118. <i>Naineris setosa</i> (Verrill, 1900)	67
Family Paraonidae	119. <i>Aricidea (Aricidea) rosea</i> Reish, 1968 as <i>A. (Acesta) rosea</i>	67
Polychaeta incertae sedis, Family Protodrilidae	120. <i>Protodrilus infundibuliformis</i> Schmidt & Westheide, 1977	67
Phylum ARTHROPODA, Subphylum CRUSTACEA Class MALACOSTRACA , Order STOMATOPODA		
Family Coronidae	1. <i>Coronida schmitti</i> Manning, 1976	176
	2. <i>Neocoronida cocosiana</i> (Manning, 1972)	176
Family Gonodactylidae	3. <i>Neogonodactylus zacae</i> (Manning, 1972)	160, 176
Family Pseudosquillidae	4. <i>Pseudosquillisma adiaσταta</i> Manning, 1964	176
Family Squillidae	5. <i>Crenatosquilla oculinova</i> (Glassell, 1942)	176
Family Tetrasquillidae	6. <i>Tetrasquilla mccullochae</i> (Schmitt, 1940)	177
Order EUPHAUSIACEA, Family Euphausiidae	7. Several unidentified species	130
Order DECAPODA, Family Aethridae	8. <i>Aethra scutata</i> Smith, 1869	177
Family Albuneidae	9. <i>Albunea lucacia</i> (de Saussure, 1853)	177
Family Alpheidae	10. <i>Alpheus bellimanus</i> Lockington, 1877	177, 178
	11. <i>Alpheus canalis</i> Kim & Abele, 1988	177, 178
	12. <i>Alpheus galapagensis</i> Sivertsen, 1933	177, 178
	13. <i>Alpheus grahami</i> Abele, 1975	177, 178
	14. <i>Alpheus hebes</i> Kim & Abele, 1988	177, 178
	15. <i>Alpheus longiquus</i> Kim & Abele, 1988	177, 178
	16. <i>Alpheus lottini</i> Guérin-Méneville, 1829	177, 178
	17. <i>Alpheus pacificus</i> Dana, 1852	177, 178
	18. <i>Alpheus saxidomus</i> Holthuis, 1980	177, 178
	19. <i>Alpheus villus</i> Kim & Abele, 1988	177, 178
	20. <i>Automate dolichognatha</i> Dellan, 1888	177, 178
	21. <i>Synalpheus</i> sp.	177, 178
Family Atyidae	22. <i>Archaeatya chacei</i> Villalobos, 1959	177
Family Benthesicymidae	23. <i>Benthesicymus tanneri</i> Faxon, 1893	177

	Species	Ref. ¹
Family Calappidae	24. <i>Calappa convexa</i> Saussure, 1853	177, 178
	25. <i>Calappa saussurei</i> Rathbun, 1898	177, 178
	26. <i>Cryptosoma bairdii</i> Rathbun, 1898	177, 178
	27. <i>Osachila kaiserae</i> Zimmerman & Martin, 1999	177, 178
Family Coenobitidae	28. <i>Coenobita compressus</i> Milne Edwards, 1837	177
Family Crangonidae	29. <i>Pontophilus gracilis occidentales</i> Faxon, 1893	177
Family Daldorfiidae	30. <i>Daldorfia garthi</i> Glassell, 1940	177
Family Diogenidae	*31. <i>Allodardanus rugosus</i> Haig & Provenzano, 1965	177, 178
	32. <i>Calcinus explorator</i> Boone, 1930	177, 178
	*33. <i>Cancellus tanneri</i> Faxon, 1893	177, 178
	34. <i>Dardanus sinistripes</i> (Stimpson, 1859)	177, 178
Family Dorippidae	*35. <i>Paguristes fecundus</i> Faxon, 1893	177, 178
	36. <i>Ethusa lata</i> Rathbun, 1893	177, 178
	37. <i>Ethusina smithiana</i> Faxon, 1893	177, 178
Family Dromiidae	38. <i>Hipoconcha panamensis</i> Smith, 1869	177
Family Dynomenidae	39. <i>Dynomene ursula</i> Stimpson, 1860	178
Family Gecarcinidae	40. <i>Cardisoma crassum</i> Smith, 1870	85
	*41. <i>Johngarthia cocoensis</i> Perger, Vargas & Wall, 2011	136
	42. <i>Armases angustum</i> (Smith, 1870)	177, 178
	43. <i>Geograpsus lividus</i> (Milne Edwards, 1837)	177, 178
Family Grapsidae	44. <i>Grapsus grapsus</i> (Linnaeus, 1758)	177, 178
	45. <i>Pachygrapsus transversus</i> (Gibbes, 1850)	177, 178
	46. <i>Plagusia immaculata</i> Lamarck, 1818	177, 178
	47. <i>Hippa pacifica</i> (Dana, 1852)	178
	48. <i>Lyasmata galapagensis</i> Schmitt, 1924	177, 178
Family Hippidae	49. <i>Thor amboinensis</i> (De Man, 1888)	160, 177, 178
	50. <i>Thor cocoensis</i> Wicksten & Vargas, 2001	177, 178
Family Leucosiidae	51. <i>Ebalia clarionensis</i> Rathbun, 1935	178
Family Lithodidae	52. <i>Neolithodes diomedea</i> (Benedict, 1894)	177, 178
	53. <i>Ericerodes longipes</i> Faxon, 1893 as <i>P. longipes</i>	177, 178
Family Majidae	54. <i>Euprognatha bifida</i> Rathbun, 1893	177, 178
	55. <i>Euprognatha granulata</i> Faxon, 1893	177, 178
	56. <i>Herbstia tumida</i> (Stimpson, 1871)	160, 177, 178
	57. <i>Lissa tuberosa</i> Rathbun, 1898	177, 178
	58. <i>Microphrys branchialis</i> Rathbun, 1892	177, 178
	59. <i>Mithrax denticulatus</i> Bell, 1835	177, 178
	60. <i>Mithrax spinipes</i> (Bell, 1835)	177, 178
	61. <i>Ericerodes hemphilli</i> (Lockington, 1877) as <i>Podochela hemphilli</i>	177, 178
	62. <i>Sphenocarcinus agassizi</i> Rathbun, 1893	177, 178
	63. <i>Stenocionops ovata</i> (Bell, 1835)	177, 178
	64. <i>Stenorhynchus debilis</i> (Smith, 1871)	177, 178
65. <i>Teleophrys cristulipes</i> Stimpson, 1860	160, 177, 178	
Family Munididae	66. <i>Munida perlata</i> Benedict, 1902	177, 178
	67. <i>Munida refulgens</i> Faxon, 1893	177, 178

	Species	Ref. ¹
Family Munidopsidae	68. <i>Munidopsis aspera</i> (Henderson, 1885)	177,178
	69. <i>Munidopsis ciliata</i> Wood-Mason, 1891	177,178
	70. <i>Munidopsis diomedea</i> (Faxon, 1893)	177,178
	71. <i>Munidopsis nitida</i> (A. Milne Edwards, 1880)	177,178
	72. <i>Munidopsis vicina</i> Faxon, 1893	177,178
Family Nematocarcinidae	73. <i>Nematocarcinus agassizzi</i> Faxon 1893	177
	74. <i>Nematocarcinus ensifer</i> (Smith, 1882)	177
Family Ocypodidae	75. <i>Ocypode gaudichaudii</i> Milne Edwards & Lucas, 1843	177, 178
	76. <i>Uca brevifrons</i> (Stimpson, 1860)	177, 178
	77. <i>Uca panamensis</i> (Stimpson, 1859)	177, 178
	78. <i>Uca zaca</i> Crane, 1941	53
Family Oplophoridae	79. <i>Meningodora mollis</i> Smith, 1882	178
Family Paguridae	80. <i>Catapagurus diomedea</i> Faxon, 1893	177, 178
	*81. <i>Enallopaguropsis janetae</i> McLaughlin, 1982	177, 178
	82. <i>Iridopagurus occidentalis</i> Faxon, 1893	177, 178
	83. <i>Manucomplanus longimanus</i> (Faxon, 1893)	177, 178
	84. <i>Pagurus virgulatus</i> Haig & Harvey, 1991	177, 178
	85. <i>Phimochirus californiensis</i> (Benedict, 1892)	177, 178
	86. <i>Rhodochirus hirtimanus</i> (Faxon, 1893)	177, 178
	87. <i>Brachycarpus biunguiculatus</i> (Lucas, 1849)	177, 178
	88. <i>Harpiliopsis depressa</i> (Stimpson, 1860)	177, 178
	89. <i>Macrobrachium americanum</i> Bate, 1868	177, 178
	*90. <i>Macrobrachium cocoensis</i> Abele & Kim, 1984	1, 177
	91. <i>Macrobrachium hancocki</i> Holthuis, 1952	177, 178
	92. <i>Palaemon ritteri</i> Holmes, 1895	177, 178
	93. <i>Palicus fragilis</i> Rathbun, 1893	177
	Family Palinuridae	94. <i>Panulirus gracilis</i> Streets, 1871
95. <i>Panulirus penicillatus</i> Olivier, 1791		177, 178
Family Pandalidae	96. <i>Heterocarpus hostilis</i> Faxon 1893	178
Family Parapaguridae	97. <i>Probebeii mirabilis</i> Boone, 1926	178
Family Parthenopidae	98. <i>Celatopesia hassleri</i> (Rathbun, 1925)	177, 178
	99. <i>Parthenope exilipes</i> (Rathbun, 1893)	177, 178
	100. <i>Solenolambus arcuatus</i> Stimpson, 1871	177, 178
	101. <i>Thyrolambus verrucibrachium</i> Zimmerman & Martin, 1999	177, 178
	102. <i>Thyrolambus glasselli</i> Garth, 1958	177, 178
Family Penaeidae	103. <i>Pelagopenaeus balboae</i> (Faxon, 1893)	177, 178
	104. <i>Hymenopenaeus doris</i> (Faxon, 1893)	177, 178
	105. <i>Hymenopenaeus nereus</i> (Faxon, 1893)	177, 178
Family Pinnotheridae	*106. <i>Parapinnixa cortesi</i> Thoma, Heard & Vargas, 2005	169, 177
	107. <i>Tetrias scabripes</i> Rathbun, 1918	177
Family Polychelidae	108. <i>Stereomastis nana</i> (Smith, 1884)	178
Family Porcellanidae	109. <i>Pachycheles biocellatus</i> (Lockington, 1878)	177, 178
	110. <i>Pachycheles velerae</i> Haig, 1960	177, 178
	*111. <i>Petrolisthes cocoensis</i> Haig, 1960	88, 177, 178
	112. <i>Petrolisthes edwardsii</i> (de Saussure, 1853)	177, 178
	113. <i>Petrolisthes glasselli</i> Haig, 1957	177, 178
	114. <i>Petrolisthes haigae</i> Chace, 1962	177, 178
	115. <i>Petrolisthes ortmanni</i> Nobili, 1901	177, 178

	Species	Ref. ¹
	116. <i>Petrolisthes tonsorius</i> Haig, 1960	177, 178
	117. <i>Porcellana cancrisocialis</i> Glassell, 1936	177, 178
	118. <i>Porcellana paguriconviva</i> Glassell, 1936	177, 178
Family Portunidae	119. <i>Arenaeus mexicanus</i> (Gerstaecker, 1856)	177, 178
	120. <i>Callinectes arcuatus</i> Ordway, 1863	177, 178
	121. <i>Euphyllax dovii</i> Stimpson, 1860	177, 178
	122. <i>Portunus brevimanus</i> (Faxon, 1895)	177, 178
	123. <i>Portunus xantussi affinis</i> (Faxon, 1893)	177, 178
Family Processidae	124. <i>Processa peruviana</i> Wicksten, 1983	178
Family Raninidae	125. <i>Ranilia fornicata</i> Faxon, 1893	178
Family Sicyoniidae	126. <i>Sicyonia affinis</i> Faxon, 1893	177, 178
	127. <i>Sicyonia disedwardsi</i> (Burkenroad, 1934)	177, 178
Family Solenoceridae	128. <i>Hymenopenaeus doris</i> (Faxon, 1893)	177
	129. <i>Hymenopenaeus nereus</i> (Faxon, 1893)	177
Family Upogebiidae	*130. <i>Pomatogebia cocosia</i> (Williams, 1986)	178, 184
Family Xanthidae	131. <i>Cycloxanthops vittatus</i> (Stimpson, 1860)	177, 178
	132. <i>Domencia hispida</i> Eydoux & Souleyet, 1842	177, 178
	133. <i>Eriphia squamata</i> Stimpson, 1859	177, 178
	134. <i>Liomera cinctimana</i> (White, 1847)	177, 178
	135. <i>Lophoxanthus lamellipes</i> (Stimpson, 1860)	177, 178
	136. <i>Microcassiope xantusii</i> (Stimpson, 1871)	177, 178
	137. <i>Nanocassiope polita</i> (Rathbun, 1893)	177, 178
	138. <i>Ozius perlatus</i> Stimpson, 1860	177, 178
	139. <i>Paractaea sulcata</i> (Stimpson, 1860)	160, 177, 178
	140. <i>Pilumnus gonzalensis</i> Rathbun, 1893	177, 178
	141. <i>Platyactaea dovii</i> (Stimpson, 1871)	177, 178
	142. <i>Quadrella nitida</i> Smith, 1869	177, 178
	143. <i>Trapezia digitalis</i> Latreille, 1828	177, 178
	144. <i>Trapezia ferruginea</i> Latreille, 1828	177, 178
	145. <i>Xanthodius sternberghii</i> Stimpson, 1859	177, 178
	146. <i>Xanthodius stimpsoni</i> (Milne Edwards, 1879)	177, 178
Order ISOPODA, Family Argidae	147. <i>Aega plebia</i> Hansen, 1897	26
Family Cirolanidae	148. <i>Eurydice caudata</i> Richardson, 1899	25, 26
Family Cymothoidae	149. <i>Nerocila excisa</i> (Richardson, 1901)	26
Order MYSIDA, Family Mysidae	150. Several unidentified species	130
Order TANAIIDACEA, Family Leptocheiliidae	151. ?<i>Anatanais</i>	96
Order AMPHIPODA, Family Aoridae	152. <i>Lembos schire</i> Barnard, 1979	11
Family Brachyscelidae	153. <i>Brachyscelus crusculum</i> Bate, 1861	87
Family Isaeidae	*154. <i>Gammaropsis dubia</i> (Shoemaker, 1942)	79
Family Lestrigonidae	155. <i>Hyperietta vosseleri</i> (Stebbing, 1904)	87
	156. <i>Hyperioides sibaginis</i> (Stebbing, 1888)	87
	157. <i>Lestrigonus bengalensis</i> Giles, 1887	87
	158. <i>Lestrigonus latissimus</i> (Bovallius, 1889)	87
	159. <i>Lestrigonus macrophthalmus</i> (Vosseler, 1901)	87
	160. <i>Lestrigonus schizogeneios</i> (Stebbing, 1888)	87
	161. <i>Lestrigonus shoemakeri</i> Bowman, 1973	87
	162. <i>Phronimopsis spinifera</i> Claus, 1879	87
Family Lycaeidae	163. <i>Simorhynchotus antennarius</i> (Claus, 1871)	87

	Species	Ref. ¹
Family Lycaeopsidae	164. <i>Lycaeopsis themistoides</i> Claus, 1879	87
	165. <i>Lycaeopsis zamboangae</i> (Stebbing, 1888)	87
Family Oxycephalidae	166. <i>Oxycephalus clausi</i> Bovallius, 1887	87
Family Paraphronimidae	167. <i>Paraphronima gracilis</i> Claus, 1879	87
Family Parascelidae	168. <i>Parascelus edwardsi</i> Claus, 1879	87
Family Phronimidae	169. <i>Phronima bowmani</i> Shih, 1991	87
Family Phrosinidae	170. <i>Phrosina semilunata</i> Risso, 1822	87
	171. <i>Primno brevidens</i> Bowman, 1978	87
Family Platyscelidae	172. <i>Amphithyrus sculpturatus</i> Claus, 1879	87
	173. <i>Tetrathyrus forcipatus</i> Claus, 1879	87
Family Pronoidae	174. <i>Eupronoe armata</i> Claus, 1879	87
Family Talitridae	*175. <i>Talorchestia fritzi</i> Stebbing, 1903	79
Family Vibiliidae	176. <i>Vibilia chuni</i> Behning & Woltereck, 1912	87
Class CIRRIPEDIA , Order LEPADOMORPHA		
Family Lepadidae	177. <i>Conchoderma virgata</i> (Spengler, 1790)	173
	178. <i>Lepas anatifera</i> Linnaeus, 1758	173
	179. <i>Lepas anserifera</i> Linnaeus, 1767	173
Order BALANOMORPHA, Family Balanidae	180. <i>Arossia panamensis</i> (Rogers, 1948)	173
	181. <i>Megabalanus galapaganus</i> Pilsbry, 1916	173
	182. <i>Megabalanus peninsularis</i> (Pilsbry, 1916)	173
Family Chthamalidae	183. <i>Chthamalus</i> cf. <i>anisopoma</i>	173
Family Coronulidae	184. <i>Chelonibia testudinaria</i> (Linnaeus, 1757)	173
	185. <i>Coronula diadema</i> Darwin, 1854	173
	186. <i>Coronula reginae</i> Darwin, 1854	173
	187. <i>Stomatolepas elegans</i> (Costa, 1838)	173
	188. <i>Xenobalanus globicipitis</i> Steenstrup, 1851	173
Family Tetracitidae	189. <i>Tetracitla milleporosa</i> Pilsbry, 1916	173
	190. <i>Tetracitla stalactifera</i> (Lamarck, 1818)	173
Order CALANOIDA, Family Calanidae	191-196. Six species	130
Family Calocalanidae	197. One species	130
Family Centropagidae	198-201. Four species	130
Family Clausocalanidae	202. <i>Clausocalanus furcatus</i> (Brady, 1883)	130
Family Eucalanidae	203. <i>Rhincalanus nasutus</i> Giesbrecht, 1888	130
	204. <i>Subeucalanus subtenuis</i> (Giesbrecht, 1888)	130
	205, 206. Plus two more species	130
Family Euchaetidae	207. <i>Euchaeta rimana</i> Bradford, 1974	130
Family Mecynoceridae	208. One species	130
Family Metridinidae	209. One species	130
Family Paracalanidae	210. <i>Acrocalanus gracilis</i> Giesbrecht, 1888	130
	211. <i>Paracalanus aculeatus</i> Giesbrecht, 1888	130
	212, 213. Plus two more species	130
Family Phaennidae	214. One species	130
Family Pontellidae	215. <i>Labidocera detruncata</i> (Dana, 1849)	130
	216-218. Plus three more species	130
Family Scolecithricidae	219. <i>Scolecithrix danae</i> Lubbock, 1856	130
Class MAXILLOPODA , Subclass COPEPODA,		
Order Monstrilloida, Family Monstrillidae	*220. <i>Cymbasoma cocoense</i> Suárez-Morales & Morales-Ramírez, 2009	167
	*221. <i>Monstrillopsis chathamensis</i> Suárez-Morales & Morales-Ramírez, 2009	167

	Species	Ref. ¹
Order Poecilostomatoida, Family Corycaeidae	222-231. Ten species	130
Family Oncaeidae	232. <i>Oncaea mediterranea</i> (Claus, 1883)	130
Family Sapphirinidae	233-242. Ten species	130
Order Siphonostomatoida, Family Caligidae	243. <i>Lepeophtheirus</i> sp. (see note (b) below)	165
Other copepods	244-260. Seventeen more species in 5 families	130
Class BRANCHIOPODA, Order CLADOCERA		
Family Podonidae	261. <i>Evadne</i> sp.	130
Class OSTRACODA, Order MYODOCOPIDA		
Family Cypridinidae	262. <i>Cypridina americana</i> (Muller, 1880)	130
Family Halocyprididae	263. <i>Euchoncoecia</i> sp.	130
Subphylum CHELICERATA, Class PYCNOGONIDA		
Order PANTOPODA, Family Ammotheidae	264. <i>Ammothella symbius</i> Child, 1979	9
	265. <i>Tanystylum isthmiacum</i> Stock, 1955	9
Subphylum HEXAPODA, Class INSECTA		
Order HEMIPTERA, Family Gerridae	266. <i>Halobates sobrinus</i> White, 1883	162
Phylum CHAETOGNATHA, Class SAGITTOIDEA,		
Order APHARAGMOPHORA, Family Krohnittidae	1. <i>Krohnitta pacifica</i> (Aida, 1897)	41
Family Pterosagittidae	2. <i>Pterosagitta draco</i> (Krohn, 1853)	41
Family Sagittidae	3. <i>Aidosagitta neglecta</i> (Aida, 1897)	41
	4. <i>Ferosagitta robusta</i> (Doncaster, 1902)	41
	5. <i>Flaccisagitta enflata</i> (Grassi, 1881)	41, 130
	6. <i>Serratosagitta pacifica</i> (Tokioaka, 1940)	41, 130
	7. <i>Zonosagitta bedoti</i> (Beraneck, 1895)	41
	8. <i>Zonosagitta pulchra</i> (Doncaster, 1902)	41
Phylum BRYOZOA, Class STENOLAEMATA		
Order CYCLOSTOMATA, Family Oncousoeciidae	1. <i>Proboscina major</i> (Johnston, 1847)	135
Class GYMNOLAEMATA, Order CHEILOSTOMATA		
Family Adeonidae	2. <i>Reptadeonella violacea</i> (Johnston, 1847) as <i>Adeona violacea</i>	51, 134
Family Bryocryptellidae	3. <i>Porella patens</i> Osburn, 1952	51, 134
Family Buffonellodidae	4. <i>Aimulosia uvulifera</i> (Osburn, 1914)	51, 134, 160
Family Bugulidae	5. <i>Bugula minima</i> (Waters, 1909)	51, 133
Family Calloporidae	6. <i>Aplousina filum</i> (Jullien & Calvet, 1903)	51, 133
	7. <i>Retevirgula areolata</i> (Canu & Bassler, 1923)	98
	8. <i>Copidozoum tenuirostre</i> (Hincks, 1880)	98
	9. <i>Parellisina curvirostris</i> (Hincks, 1862)	98
Family Candidae	10. <i>Scrupocellaria bertholetii tenuirostris</i> Osburn, 1950	133
Family Cellariidae	11. <i>Cellaria veleronis</i> Osburn, 1950	98
Family Celleporidae	12. <i>Lagenipora marginata</i> (Canu & Bassler, 1930)	51, 134
Family Chaperiidae	13. <i>Chaperiopsis condylata</i> (Canu & Bassler, 1930) as <i>Chaperiella condylata</i>	98
Family Cleidochasmatidae	14. <i>Cleidochasma contracta</i> (Waters, 1899)	98
Family Crepidacanthidae	15. <i>Crepidacantha poissoni</i> (Audouin, 1826)	98
	16. <i>Crepidacantha setigera</i> (Smitt, 1873)	51, 134
Family Cribrilinidae	17. <i>Colletosia radiata</i> Moll, 1803)	98
Family Cupuladriidae	18. <i>Discoporella umbellata</i> (Defrance, 1823)	98, 160
Family Exechonellidae	19. <i>Tripurula manica</i> (Canu & Bassler, 1930) as <i>Enantiosula manica</i>	51, 134

	Species	Ref. ¹
Family Hippothoidae	20. <i>Trypostega venusta</i> (Norman, 1864)	51, 134
Family Lacernidae	21. <i>Arthropoma cecili</i> (Audouin, 1826)	51, 134
	22. <i>Rogicka biserialis</i> (Hincks, 1885) as <i>Dakaria biserialis</i>	134
Family Lepraliellidae	23. <i>Celleporaria brunnea</i> (Hincks, 1884) as <i>Holoporella brunnea</i>	98
Family Mamilloporidae	24. <i>Mamillopora cupula</i> Smitt, 1873	51, 134
Family Microporellidae	25. <i>Microporella ciliata</i> (Pallas, 1766)	98
	26. <i>Microporella marsupiata</i> (Busk, 1860)	98
Family Microporidae	27. <i>Micropora coriacea inarmata</i> Soule, 1959	98
Family Phidoloporidae	28. <i>Reteporellina denticulata</i> var. <i>gracilis</i> (Busk, 1884)	51, 134
Family Schizoporellidae	29. <i>Hippodiplosia insculpta</i> (Hincks), 1882	134
Family Tubuliporidae	30. <i>Tubulipora flexuosa</i> (Pourtales, 1867)	98
Family Watersiporidae	31. <i>Watersipora biserialis</i> (Hincks, 1885)	49
Phylum BRACHIOPODA,		
Class RHYNCHONELLATA		
Order RHYNCHONELLIDA, Family Basiliolidae	1. <i>Neorhynchia strebeli</i> (Dall, 1908)	71
Family Frieleidae	*2. <i>Abysirhynchia craneana</i> (Dall, 1895) as <i>Hispanirhynchia? craneana</i>	59, 98
Order TEREBRATULIDA, Family Terebratulidae	3. <i>Gryphus clarkeana</i> (Dall, 1920) as <i>Liothyrella clarkeana</i>	71
	4. <i>Liothyrella moseleyi</i> (Davidson, 1878)	71
Family Zeileriidae	5. <i>Macandrevia americana</i> Dall, 1895 as <i>M. craniella</i>	71
	6. <i>Macandrevia diamantina</i> (Dall, 1895)	71
Phylum PHORONIDA	1. <i>Phoronopsis albomaculata</i> Gilchrist, 1907	66
Phylum ECHINODERMATA, Class CRINOIDEA		
Order COMATULIDA, Family Antedonidae	1. <i>Fariometra parvula</i> (Hartlaub, 1895)	7
Family Thalassometridae	2. <i>Thalassometra agassizii</i> (Hartlaub, 1895)	7
Class ASTEROIDEA, Order PAXILLOSIDA		
Family Astropectinidae	*3. <i>Astropecten benthophilus</i> Ludwig, 1905	7
	4. <i>Astropecten sulcatus</i> Ludwig, 1905	7
	5. <i>Leptychaster inermis</i> (Ludwig, 1905)	7
	*6. <i>Persephonaster armiger</i> Ludwig, 1905	7
Family Luidiidae	7. <i>Luidia armata</i> Ludwig, 1905	7
Family Porcellanasteridae	8. <i>Eremicaster pacificus</i> (Ludwig, 1905)	7
	9. <i>Porcellanaster ceruleus</i> Wyville-Thomson, 1877	7
Order NOTOMYOTIDA, Family Benthopectinidae	10. <i>Benthopecten spinuliger</i> (Ludwig, 1905) as <i>Parachaster spinuliger</i>	7, 159
	11. <i>Pectinaster agassizii</i> Ludwig, 1905	7
Order VALVATIDA, Family Acanthasteridae	12. <i>Acanthaster planci</i> (Linnaeus, 1758) also as <i>A. ellisii</i>	5, 6, 7, 159
Family Asterodiscidae	13. <i>Paulia horrida</i> Gray, 1840 as <i>Pauliella aenigma</i>	7, 119
Family Asteropseidae	14. <i>Asteropsis carinifera</i> (Lamarck, 1816)	6, 159
Family Goniasteridae	15. <i>Mediaster elegans</i> Ludwig, 1905	7
	16. <i>Nymphaster diomedae</i> Ludwig, 1905	7
	17. <i>Pillsburiaster ernesti</i> (Ludwig, 1905)	7
Family Mithrodiidae	18. <i>Mithrodia bradleyi</i> Verrill, 1867	5, 6
Family Ophiasteridae	19. <i>Linckia columbiae</i> Gray, 1840	5, 6, 7
	20. <i>Narcissia gracilis</i> A.H. Clark, 1916	5, 7
	21. <i>Phataria unifascialis</i> (Gray, 1840) as <i>Phataria</i> sp.	5, 7, 159
	22. <i>Tamaria obstipa</i> Ziesenhenné, 1942	5, 7, 159

	Species	Ref. ¹
Family Oreasteridae	23. <i>Nidorellia armata</i> (Gray, 1840)	5, 6, 7
	24. <i>Pentaceraster cumingi</i> (Gray, 1840) as <i>Oreaster occidentales</i>	5, 6, 7, 42, 159
Order SPINULOSIDA, Family Pterasteridae	25. <i>Hymenaster quadrispinosus</i> Fisher, 1905 as <i>H. purpureus</i>	7, 159
	26. <i>Pteraster cf. diaphanous</i> (Ludwig, 1905)	7, 159
Order FORCIPULATIDA, Family Asteriidae	27. <i>Coronaster marchenus</i> Ziesenhenné, 1942	5, 7
	28. <i>Hydrasterias improvisus</i> (Ludwig, 1905) as <i>H. improvisa</i> and as <i>Pedicellaster improvisus</i>	7, 159
	29. <i>Sclerasterias alexandri</i> (Ludwig, 1905)	5, 7
	30. <i>Sclerasterias heteropaes</i> Fisher, 1924	7
	31. <i>Tarsaster cocosanus</i> (Ludwig, 1905)	7
Order BRISINGIDA, Family Brisingidae	32. <i>Astrolirus panamensis</i> (Ludwig, 1905)	7
Class OPHIUROIDEA , Order PHRYNOPHIURIDA		
Family Ophiomyxidae	33. <i>Ophiomyxa panamensis</i> Lütken & Mortensen, 1899	5, 7
Order OPHIURIDA, Family Amphiuridae	34. <i>Amphiodia tabogae</i> Nielsen, 1932	5, 7
	35. <i>Amphiodia violacea</i> (Lütken, 1856)	5, 7, 159
	36. <i>Amphiura arcystata</i> H.L. Clark, 1911	5, 7
	37. <i>Ophiophragmus marginatus</i> (Lütken, 1859)	5, 7
	38. <i>Ophiophragmus paucispinus</i> Nielsen, 1932	5, 7
	39. <i>Triplodia abdita</i> A.M. Clark, 1970 as <i>Triodia abdita</i>	5, 7
Family Hemieuryliidae	40. <i>Sigsbeia lineata</i> Lütken & Mortensen, 1899	5, 7
Family Ophiactidae	41. <i>Ophiactis savignyi</i> (Müller & Troschel, 1842)	5, 7, 160
	42. <i>Ophiactis simplex</i> (Le Conte, 1851)	5, 7
Family Ophiocanthidae	43. <i>Ophiocantha phragma</i> Ziesenhenné, 1940	5, 7
	44. <i>Ophiotoma paucispina</i> (Lütken & Mortensen, 1899)	7
Family Ophiocomidae	45. <i>Ophiocomma aethiops</i> Lütken, 1859	5, 6, 7
	46. <i>Ophiocomma alexandri</i> Lyman, 1860	5, 6, 7
	47. <i>Ophiocomella sexradia</i> (Duncan, 1887)	5, 7
Family Ophiodermatidae	48. <i>Diopederma danianum</i> (Verrill, 1867)	5, 7
	49. <i>Ophiocrytus granulatus</i> Nielsen, 1932	5, 7
	50. <i>Ophioderma panamense</i> Lütken, 1859	5, 7
	51. <i>Ophioderma variegatum</i> Lütken, 1856	5, 7
Family Ophionereidae	52. <i>Ophionereis albomaculata</i> E.A. Smith, 1877 as <i>O. nuda</i>	5, 7, 159
	53. <i>Ophionereis annulata</i> (Le Conte, 1851)	5, 7
	54. <i>Ophionereis eurybrachioplax</i> H.L. Clark, 1911	5, 7
Family Ophiotrichidae	55. <i>Ophiothrix spiculata</i> Le Conte, 1851	7
Family Ophiuridae	56. <i>Amphiophiura abcisa</i> (Lütken & Mortensen, 1899)	5, 7
	57. <i>Ophiocten hastatum</i> Lyman, 1878	5, 7, 159
	58. <i>Ophiomusium glabrum</i> Lütken & Mortensen, 1899 as <i>Ophiosphalma glabrum</i>	5, 7
	59. <i>Ophiomusium lymani</i> Thomson, 1873	5, 7
	60. <i>Ophiozonella alba</i> (Lütken & Mortensen, 1899)	5, 7
	61. <i>Ophiura nana</i> (Lütken & Mortensen, 1899)	5, 7
	62. <i>Ophiura (Ophiuroglypha) irrorata</i> (Lyman, 1878)	5, 7
Class ECHINOIDEA , Order CIDAROIDA		
Family Cidaridae	63. <i>Centrocidaris doederleini</i> (A. Agassiz, 1898)	5, 7
	64. <i>Eucidaris thouarsii</i> (Valenciennes, 1846)	5, 7
	65. <i>Eucidaris thouarsii galapagensis</i> Döderlein, 1887 as <i>E. galapagensis</i>	5, 7, 159

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	66. <i>Hesperocidaris dubia</i> (H.L. Clark, 1907) as <i>Stylocidaris dubia</i>	5, 7, 159
	67. <i>Hesperocidaris panamensis</i> (A. Agassiz, 1898)	5, 7
Order ECHINOTHURIOIDA, Family Echinothuriidae	68. <i>Tromikosoma hispidum</i> (A. Agassiz, 1898)	5, 7
Order DIADEMATOIDA, Family Aspidodiadematidae	69. <i>Plesiodiadema horridum</i> (A. Agassiz, 1898)	5, 7
Family Diadematidae	70. <i>Astropyga pulvinata</i> (Lamarck, 1816)	159
	71. <i>Centrostephanus coronatus</i> (Verrill, 1867)	5, 7
	72. <i>Diadema mexicanum</i> A. Agassiz, 1863	5, 6, 7, 160
	73. <i>Echinothrix calamaris</i> (Pallas, 1774)	5, 6, 7
	74. <i>Echinothrix diadema</i> (Linnaeus, 1758)	5, 6, 7, 113
Order SALENIOIDA, Family Saleniidae	75. <i>Salenocidaris miliaris</i> (A. Agassiz, 1898)	5, 7
Order TEMNOPLAUROIDA, Family Toxopneustidae	76. <i>Lytechinus pictus</i> (Verrill, 1867)	5, 7
	77. <i>Toxopneustes roseus</i> (A. Agassiz, 1863)	5, 6, 7
	78. <i>Tripneustes depressus</i> A. Agassiz, 1863	5, 6, 7
Order ECHINOIDA, Family Echinometridae	79. <i>Echinometra oblonga</i> (Blainville, 1825)	5, 6, 7
	80. <i>Echinometra vanbrunti</i> A. Agassiz, 1863	5, 6, 7
Order CLYPEASTEROIDA, Family Clypeasteridae	81. <i>Clypeaster europacificus</i> H.L. Clark, 1914	5, 7, 159
	82. <i>Clypeaster ochrus</i> H.L. Clark, 1914	5, 7, 159
	83. <i>Clypeaster rotundus</i> (A. Agassiz, 1863)	5, 7
	84. <i>Clypeaster speciosus</i> Verrill, 1870	5, 7
Family Mellitidae	*85. <i>Encope cocosi</i> H.L. Clark, 1948	5, 7
	86. <i>Encope micropora</i> L. Agassiz, 1841	5, 7
Order SPATANGOIDA, Family Aeropsidae	87. <i>Aeropsis fulva</i> (A. Agassiz, 1898)	5, 7
Family Asterostomatidae	88. <i>Argopatus aculeata</i> (Agassiz, 1898)	5, 7
Family Brissidae	89. <i>Brissopsis pacifica</i> (A. Agassiz, 1898)	5, 7, 159
	90. <i>Meoma ventricosa grandis</i> Gray, 1851	5, 7, 159
	91. <i>Rhabdобрissus pacificus</i> H.L. Clark, 1940 as <i>Plagiobrissus pacificus</i>	5, 7, 159
Family Loveniidae	92. <i>Homolampas hastata</i> A. Agassiz, 1879	5, 7
	93. <i>Lovenia cordiformis</i> A. Agassiz, 1872	5, 7
Class HOLOTHUROIDEA,		
Order DENDROCHIROTIDA		
Family Psolidae	94. <i>Lissothuria ornata</i> Verrill, 1867 as <i>Thyonepsolus beebi</i>	5, 7, 159
	95. <i>Psolus diomedae</i> Ludwig, 1894	5, 7
Family Cucumariidae	96. <i>Abyssocucumis abyssorum</i> (Théel, 1886)	159
Order DACTYLOCHIROTIDA, Family Ypsilothuriidae	97. <i>Ypsilothuria bitentaculata</i> (Ludwig, 1893)	5, 7
Order ASPIDOCHIROTIDA, Family Holothuriidae	98. <i>Holothuria (Cystipus) casuae</i> Laguarda-Figuera & Solis-Marín, 2009	110
	99. <i>Holothuria (Cystipus) inhabilis</i> Selenka, 1867	5, 7
	100. <i>Holothuria (Halodeima) atra</i> (Jaeger, 1833)	5, 6, 7
	101. <i>Holothuria (Halodeima) kefersteini</i> (Selenka, 1867)	5, 6, 7
	102. <i>Holothuria (Lessonothuria) pardalis</i> Selenka, 1867	5, 7
	103. <i>Holothuria (Mertensiothuria) fuscocinerea</i> (Jaeger, 1833)	5, 7
	104. <i>Holothuria (Mertensiothuri) hilla</i> Lesson, 1830	5, 6, 7, 159
	105. <i>Holothuria (Mertensiothuria) leucospilota</i> (Brandt, 1835)	5, 7
	106. <i>Holothuria (Platyperona) difficilis</i> Semper, 1868	5, 7, 159
	107. <i>Holothuria (Selenkothuria) theeli</i> (Deichmann, 1938)	5, 7
	108. <i>Holothuria (Semperothuria) imitans</i> Ludwig, 1875	5, 7

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	109. <i>Holothuria (Theelothuria) paraprinceps</i> Deichmann, 1937	5, 7
	110. <i>Holothuria (Thymiosycia) arenicola</i> Semper, 1868	5, 7
	111. <i>Holothuria (Thymiosycia) impatiens</i> (Forskål, 1775)	5, 7
	112. <i>Labidodemas americanum</i> Deichmann, 1938	5, 7
Family Stichopodidae	113. <i>Isostichopus fuscus</i> (Ludwig, 1875)	5, 6, 7
	114. <i>Stichopus horrens</i> Selenka, 1867	5, 6, 7
Family Synallactidae	115. <i>Mesothuria (Mesothuria) multiples</i> Ludwig, 1894 as <i>M. multiples</i>	5, 7, 159
	116. <i>Pseudostichopus macdonaldi</i> (Ludwig, 1894)	5, 7
	117. <i>Pseudostichopus mollis</i> Théel, 1886	5, 7
Order APODIDA, Family Chiridotidae	118. <i>Chiridota pacifica</i> Heding, 1928	5, 7
Order ELASIPODIDA, Family Deimatidae	119. <i>Deima validum pacificum</i> Ludwig, 1894	5, 7
Family Elpidiidae	120. <i>Peniagone vitrea</i> Théel, 1882	5, 7
Family Pelagothuridae	121. <i>Pelagothuria natatrix</i> Ludwig, 1894	5, 7
Family Psychropotidae	122. <i>Benthodytes sanguinolenta</i> Théel, 1882	5, 7
Order MOLPADIDA, Family Molpadidae	123. <i>Molpadia musculus</i> Risso, 1826	159
Phylum CHORDATA,		
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Family Oikopleuridae	1. <i>Oikopleura cophocerca</i> (Gegenbaur, 1855)	41
	2. <i>Oikopleura dioica</i> Fol, 1872	41
	3. <i>Oikopleura fusiformis</i> Fol, 1872	41, 130
	4. <i>Oikopleura gracilis</i> (Lohmann, 1896)	41
	5. <i>Oikopleura longicauda</i> (Vogt, 1854)	41
	6. <i>Oikopleura rufescens</i> Fol, 1872	41, 130
	7. <i>Stegosoma magnum</i> (Langerhans, 1880)	41
Family Fritillariidae	8. <i>Fritillaria formica</i> (Lohmann in Lohmann & Büchmann, 1926)	41
	9. <i>Fritillaria haplostoma</i> (Fol, 1872; emend. Fol, 1874)	41
Class THALIACEA, Order SALPIDA		
Family Salpidae	10. <i>Salpa</i> sp.	130
	11. <i>Doliolum</i> sp.	130
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Class LEPTOCARDII,		
Order AMPHIOXIFORMES		
Family Branchiostomidae	13. <i>Asymmetron lucayanum</i> Andrews, 1893	158
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Order CARCHARHINIFORMES,		
Family Carcharhinidae	14. <i>Carcharhinus albimarginatus</i> (Rüppell, 1837)	34, 35
	15. <i>Carcharhinus falciformis</i> (Müller & Henle, 1839)	34, 35, 163
	16. <i>Carcharhinus galapagensis</i> (Snodgrass & Heller, 1905)	34, 35
	17. <i>Carcharhinus limbatus</i> (Muller & Henle, 1839)	34, 35
	18. <i>Carcharhinus longimanus</i> (Poey, 1861)	143
	19. <i>Carcharhinus melanopterus</i> (Quoy & Gaimard, 1824)	116
	20. <i>Galeocerdo cuvier</i> (Peron & Lesueur en Lesueur, 1822)	34, 35
	21. <i>Prionace glauca</i> (Linnaeus, 1758)	142
	22. <i>Rhizoprionodon longurio</i> (Jordan & Gilbert, 1882)	34, 35
	23. <i>Trienodon obesus</i> (Rüppell, 1837)	34, 35
Family Lamnidae	24. <i>Sphyrna carcharias</i> (Linnaeus, 1758)	35
Family Sphyrnidae	25. <i>Sphyrna lewini</i> (Griffith & Smith, 1834)	34, 35, 163

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	26. <i>Sphyrna mokarran</i> (Rüppell, 1837)	34, 35
	27. <i>Sphyrna tiburo</i> (Linnaeus, 1758)	142
Order CHIMAERIFORMES, Family Chimaeridae	28. <i>Hydrolagus</i> sp.	122
Order LAMNIFORMES, Family Alopiidae	29. <i>Alopias vulpinus</i> (Bonnaterre, 1788)	35
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Family Odontaspidae	31. <i>Odontaspis ferox</i> (Risso, 1810)	47, 52
Family Pseudocarchariidae	32. <i>Pseudocarcharias kamoharai (Matsubara, 1936)</i>	142
Order ORECTOLOBIFORMES, Family Rhincodontidae	33. <i>Rhincodon typus</i> Smith, 1828	35, 52
Order RAJIFORMES, Family Dasyatidae	34. <i>Dasyatis</i> sp.	52
	35. <i>Pteroplatytrigon violacea (Bonaparte, 1832)</i>	142
	36. <i>Taeniura meyeri Muller & Henle, 1841</i>	35, 52
Family Mobulidae	37. <i>Manta birostris</i> (Walbaum, 1792)	34, 35, 52
	38. <i>Mobula japonica</i> (Müller & Henle, 1841)	142
	39. <i>Mobula munkiana</i> Notabartolo di Sciara, 1987	34, 35
	40. <i>Mobula tarapacana</i> (Philippi, 1893)	35, 52, 163
Family Myliobatidae	41. <i>Aetobatus narinari</i> (Euphrasen, 1790)	34, 35, 52
	42. <i>Myliobatis peruvianus Garman, 1913</i>	122
	43. <i>Rhinoptera steindachneri Evermann & Jenkins, 1892</i>	34, 35
Family Rajidae	44. <i>Bathyraja spinosissima (Beebe & Tee-Van, 1941)</i>	122
	45. <i>Raja equatorialis</i> Jordan & Bollman, 1890	142
Family Rhinobatidae	46. <i>Rhinobatos planiceps</i> Garman, 1880	34, 35
Order SQUALIFORMES, Family Echinorhinidae	47. <i>Echinorhinus cookei</i> Pietschmann, 1928	35, 47, 52, 115, 122
Order Torpediniformes, Family Torpedinidae	48. <i>Torpedo peruana Chirichigno, 1963</i>	52
Class ACTINOPTERYGII, Order ANGUILLIFORMES		
Family Congridae	49. <i>Ariosoma gilberti</i> (Ogilby, 1898)	34, 35
	50. <i>Bathycongrus varidens</i> (Garman, 1899)	163
	51. <i>Heteroconger klausewitzi (Eibl-Eibesfeldt & Köster, 1983)</i>	34, 35, 122
	52. <i>Ophisoma</i> sp.	122
	53. <i>Paraconger californiensis</i> Kanazawa, 1961	34, 35
Family Muraenidae	54. <i>Anarchias galapagensis</i> (Seale, 1940)	34, 35
	55. <i>Echidna nebulosa</i> (Ahl, 1789)	3, 34, 35
	56. <i>Echidna nocturna</i> (Cope, 1872)	34, 35
	57. <i>Enchelycore octaviana</i> (Myers & Wade, 1941)	34, 35
	58. <i>Gymnomuraena zebra</i> (Shaw, 1797)	34, 35
	59. <i>Gymnothorax angusticeps (Hildebrand & Barton, 1949)</i>	122
	60. <i>Gymnothorax buroensis</i> (Bleeker, 1857)	34, 35
	61. <i>Gymnothorax castaneus</i> (Jordan & Gilbert, 1883)	34, 35
	62. <i>Gymnothorax dovii</i> (Günther, 1870)	34, 35
	63. <i>Gymnothorax eurostus (Abbott, 1860)</i>	140
	64. <i>Gymnothorax flavimarginatus</i> (Rüppell, 1830)	34, 35
	65. <i>Gymnothorax javanicus (Bleeker, 1859)</i>	34, 35
	66. <i>Gymnothorax meleagris (Shaw & Nodder, 1795)</i>	34, 35
	67. <i>Gymnothorax panamensis</i> (Steindachner, 1876)	34, 35
	68. <i>Gymnothorax pictus (Ahl, 1789)</i>	84
	69. <i>Muraena argus</i> (Steindachner, 1870)	34, 35
	70. <i>Muraena clepsydra</i> Gilbert, 1898	34, 35

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	71. <i>Muraena lentiginosa</i> Jenyns, 1842	34, 35
	72. <i>Scuticaria tigrina</i> (Lesson, 1828)	34, 35
	73. <i>Sideria picta</i> (Ahl, 1789)	34, 35
	74. <i>Uropterygius macrocephalus</i> (Bleeker, 1865)	31, 34, 35
	75. <i>Uropterygius versutus</i> Bussing, 1991	34, 35
Family Myrocongridae	76. <i>Myroconger nigrodentatus</i> Castle & Béarez, 1995	122, 163
Family Ophichthidae	77. <i>Bascanichthys bascanoides</i> Osborn & Nichols, 1916	34, 35
	78. <i>Callechelys eristigma</i> McCosker & Rosenblatt, 1972	34, 35, 121
	79. <i>Gordiichthys combibus</i> McCosker & Lavenberg, 2001	34, 35
	80. <i>Herpetoichthys fossatus</i> (Myers & Wade, 1941)	34, 35
	81. <i>Ichthyapus selachops</i> (Jordan & Gilbert, 1882)	34, 35
	82. <i>Myrichthys tigrinus</i> Girard, 1859	34, 35, 163
	83. <i>Myrichthys aspetocheiros</i> McCosker & Rosenblatt, 1993	34, 35
	84. <i>Ophichthus rugifer</i> Jordan & Bollman, 1890	34, 35, 122
	85. <i>Ophichthus triserialis</i> (Kaup, 1856)	142
	86. <i>Paraetharchus opercularis</i> (Myers & Wade, 1941)	122
	87. <i>Paraetharchus pacificus</i> (Osburn & Nichols, 1916)	34, 35
	88. <i>Quassiremus evionthas</i> (Jordan & Bollman, 1889)	34, 35, 122
	89. <i>Scytalichthys miurus</i> (Jordan & Gilbert, 1882)	34
Order ATELEPODIFORMES, Family Ateleopodidae	90. <i>Guentherus altivela</i> Osório, 1917	47, 163
Order AULOPIFORMES, Family Aulopidae	91. <i>Aulopus bajacali</i> Parin & Kotlyar, 1984	35
Family Chlorophthalmidae	92. <i>Chlorophthalmus mento</i> Garman, 1899	35, 163
Family Synodontidae	93. <i>Synodus lacertinus</i> Gilbert, 1890	35
Order CLUPEIFORMES, Family Engraulidae	94. <i>Anchoa ischana</i> (Jordan & Gilbert, 1882)	142
Order ELOPIFORMES, Family Elopidae	95. <i>Elops affinis</i> Regan, 1909	142
Order GONORYNCHIFORMES, Family Chanidae	96. <i>Chanos chanos</i> (Forsskål, 1775)	34, 35
Order GOBIESOCIFORMES, Family Gobiesocidae	97. <i>Arcos poecilophthalmos</i> (Jenyns, 1842)	122
	98. <i>Arcos rhodospilus</i> (Günther, 1864)	34, 35
	99. <i>Gobiesox adustus</i> Jordan & Gilbert, 1882	142
	*100. <i>Gobiesox woodsi</i> (Schultz, 1944)	24, 34, 35
	101. <i>Tomicodon chilensis</i> Brisout de Barneville, 1846	122
	102. <i>Tomicodon petersii</i> (Garman, 1875)	142
	*103. <i>Tomicodon vermiculatus</i> Briggs, 1955	24, 34, 35
Order LOPHIIFORMES, Family Antennariidae	104. <i>Antennarius avalonis</i> Jordan & Starks, 1907	34, 35
	105. <i>Antennarius coccineus</i> (Lesson, 1831)	34, 35
	106. <i>Antennarius commerson</i> (Latreille, 1804) as <i>A. commersoni</i>	34, 35
	107. <i>Antennarius sanguineus</i> Gill, 1863	35
	108. <i>Antennatus strigatus</i> (Gill, 1863)	142
Family Lophiidae	109. <i>Lophiodes caulinaris</i> (Garman, 1899)	34, 35
	110. <i>Lophiodes spilurus</i> (Garman, 1899)	47, 142, 163
Family Ogcocephalidae	111. <i>Dibranchus erinaceus</i> (Garman, 1899)	122
	*112. <i>Ogcocephalus porrectus</i> Garman, 1899	19, 34, 35, 83
	113. <i>Zalieutes elater</i> (Jordan & Gilbert, 1882)	35, 47
Order GADIFORMES, Family Macrouridae	114. <i>Caelorinchus canus</i> (Garman, 1899)	105
	115. <i>Mataeocephalus tenuicaudus</i> (Garman, 1899)	105
Family Merlucciidae	116. <i>Merluccius angustimanus</i> Garman, 1899	35
Order OPHIDIIFORMES, Family Bythitidae	*117. <i>Ogilbia cocoensis</i> Møller, Schwarzhans & Nielsen, 2005	35, 127

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Family Carapidae	118. <i>Carapus dubius</i> (Putnam 1874) as <i>Encheliophis dubius</i>	35	
	119. <i>Encheliophis vermicularis</i> Müller, 1842	34, 35, 143	
Family Ophidiidae	120. <i>Echiodon exsilium</i> Rosenblatt, 1961	34, 35	
	121. <i>Brotula ordwayi</i> Hildebrand & Barton, 1949	163	
Order BELONIFORMES, Family Belonidae	122. <i>Otophidium indefatigabile</i> Jordan & Bollman, 1890 as <i>O. indefatigabile</i>	34, 35	
	123. <i>Petrotyx hopkinsi</i> Heller & Snodgrass, 1903	34, 35	
	124. <i>Ablennes hians</i> (Valenciennes, 1846)	142	
	125. <i>Platybelone argalus pterura</i> (Osburn & Nichols, 1916)	34, 35	
	126. <i>Strongylura exilis</i> (Girard, 1854)	34, 35	
	127. <i>Tylosurus acus melanotus</i> (Bleeker, 1850)	142	
Family Exocoetidae	128. <i>Tylosurus acus pacificus</i> (Steindachner, 1876)	34, 35	
	129. <i>Tylosurus crocodilus fodiator</i> Jordan & Gilbert, 1882	34, 35	
	130. <i>Cheilopogon furcatus</i> (Mitchill, 1815)	143	
	131. <i>Cheilopogon spilonopterus</i> (Bleeker, 1865)	143	
	132. <i>Cheilopogon xenopterus</i> (Gilbert, 1890)	142	
	133. <i>Exocoetus monocirrhus</i> Richardson, 1846	34, 35	
	134. <i>Exocoetus volitans</i> Linnaeus, 1758	34, 35	
	135. <i>Hirundichthys marginatus</i> (Nichols & Breder, 1928)	142	
	136. <i>Hirundichthys rondeletii</i> (Valenciennes, 1847)	142	
	137. <i>Hirundichthys speculiger</i> (Valenciennes, 1847)	34, 35	
Family Hemiramphidae	138. <i>Oxyorhamphus micropterus</i> (Cuvier & Valenciennes, 1847)	84	
	139. <i>Prognichthys sealei</i> Abe, 1955	34	
	140. <i>Prognichthys tringa</i> Breder, 1928	34, 35	
	141. <i>Euleptorhamphus viridis</i> (Van Hasselt, 1823)	34, 35	
	142. <i>Hemiramphus saltator</i> Gilbert & Starks, 1904	142	
	143. <i>Hyporhamphus rosae</i> (Jordan & Gilbert, 1880)	142	
	Order ATHERINIFORMES, Family Atherinopsidae	144. <i>Atherinella eriarcha</i> (Jordan & Gilbert, 1881)	34, 35
		145. <i>Melanorhinus cyanellus</i> (Meek & Hildebrand, 1923)	34, 35
	Order BERYCIFORMES, Family Holocentridae	146. <i>Myripristis berndti</i> Jordan & Evermann, 1903	34, 35
		147. <i>Myripristis leiognathus</i> Valenciennes, 1846	34, 35
148. <i>Plectrypops lima</i> (Valenciennes, 1831)		34, 35	
Order GASTEROSTEIFORMES, Family Aulostomidae	149. <i>Sargocentron suborbitalis</i> (Gill, 1863)	34, 35	
	150. <i>Aulostomus chinensis</i> (Linnaeus, 1766)	35	
Family Fistulariidae	151. <i>Fistularia commersonii</i> Rüppell, 1838	35	
Family Syngnathidae	152. <i>Bryx veleronis</i> Herald, 1940	34, 35	
	153. <i>Cosmocampus arctus</i> (Jenkins & Evermann, 1889)	142	
	154. <i>Doryrhamphus excisus</i> Kaup, 1856	34, 35	
	155. <i>Hippocampus ingens</i> Girard, 1858	34, 35	
Order SCORPAENIFORMES, Family Peristediidae	156. <i>Peristedion crustosum</i> Garman, 1899	34, 35	
	*157. <i>Peristedion nesium</i> Bussing, 2010	33	
Family Scorpaenidae	158. <i>Pontinus clemensi</i> Fitch, 1955	34, 35	
	159. <i>Pontinus sierra</i> Gilbert, 1890	34, 35	
	160. <i>Pontinus strigatus</i> Heller & Snodgrass, 1903	34, 35, 122	
	161. <i>Pontinus furcirhinus</i> Garman, 1899	142	
	162. <i>Scorpaena afuerae</i> Hildebrand, 1946	34, 35	
	163. <i>Scorpaena cocosensis</i> Motomura, 2004	122, 132	
	164. <i>Scorpaena histrio</i> Jenyns, 1840	34, 35	

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	165. <i>Scorpaena mystes</i> Jordan & Starks en Jordan, 1895	34, 35
	166. <i>Scorpaena russula</i> Jordan & Bollman, 1890	34, 35
	167. <i>Scorpaena</i> new species	34, 35
	168. <i>Scorpaenodes rubrivinctus</i> Poss, McCosker & Baldwin 2010	122, 138, 163
	169. <i>Scorpaenodes xyris</i> (Jordan & Gilbert, 1882)	34, 35
Family Triglidae	170. <i>Bellator loxias</i> (Jordan, 1897)	34, 35, 163
	171. <i>Bellator</i> new species	34, 35
	172. <i>Prionotus</i> new species	34, 35
Order PERCIFORMES, Family Acanthuridae	173. <i>Acanthurus nigricans</i> (Linnaeus, 1758)	34, 35
	174. <i>Acanthurus triostegus</i> Linnaeus, 1758	34, 35
	175. <i>Acanthurus xanthopterus</i> Valenciennes, 1835	34, 35
	176. <i>Ctenochaetus marginatus</i> (Valenciennes, 1835)	34, 35
	177. <i>Naso annulatus</i> (Quoy & Gaimard, 1825)	142
	178. <i>Naso hexacanthus</i> (Bleeker, 1855)	142
	179. <i>Prionurus laticlavus</i> (Valenciennes, 1846)	34, 35
Family Apogonidae	180. <i>Apogon atradorsatus</i> Heller & Snodgrass, 1903	34, 35, 122
	181. <i>Apogon dovii</i> Günther, 1861	34, 35
Family Blenniidae	182. <i>Entomacrodus chiostrictus</i> (Jordan & Gilbert, 1882)	34, 35
	183. <i>Hypsoblennius brevipinnis</i> (Günther, 1861)	34, 35
	184. <i>Ophioblennius steindachneri</i> Jordan & Evermann, 1898	34, 35
	185. <i>Plagiotremus azaleus</i> (Jordan & Bollman, 1890)	34, 35
Family Bramidae	186. <i>Brama dussumieri</i> Cuvier, 1831	142
Family Callionymidae	187. <i>Synchiropus atrilabiatus</i> (Garman, 1899)	35
Family Carangidae	188. <i>Alectis ciliaris</i> (Bloch, 1787)	34, 35
	189. <i>Carangoides orthogrammus</i> Jordan & Gilbert, 1882	34, 35
	190. <i>Caranx caballus</i> (Günther, 1868)	34, 35
	191. <i>Caranx caninus</i> Günther, 1867	34, 35
	192. <i>Caranx lugubris</i> Poey, 1860	34, 35
	193. <i>Caranx melampygus</i> Cuvier, 1833	34, 35
	194. <i>Caranx sexfasciatus</i> Quoy & Gaimard, 1825	34, 35
	195. <i>Decapterus macarellus</i> (Cuvier, 1833)	34, 35
	196. <i>Elagatis bipinnulata</i> (Quoy & Gaimard, 1825)	34, 35
	197. <i>Gnathanodon speciosus</i> (Forsskål, 1775)	34, 35
	198. <i>Naucrates ductor</i> (Linnaeus, 1758)	34, 35
	199. <i>Selar crumenophthalmus</i> (Bloch, 1793)	34, 35
	200. <i>Seriola lalandi</i> Valenciennes, 1833	34, 35
	201. <i>Seriola peruana</i> Steindachner, 1881	34, 35
	202. <i>Seriola rivoliana</i> Valenciennes, 1833	34, 35
	203. <i>Trachinotus rhodopus</i> Gill, 1863	142
	204. <i>Trachinotus stilbe</i> (Jordan & McGregor, 1898)	34, 35
	205. <i>Trachurus murphyi</i> Nichols, 1920	122
	206. <i>Uraspis helvola</i> (Forster, 1801)	34, 35
Family Centrolophidae	207. <i>Seriolaella violacea</i> Guichenot, 1848	122
Family Chaenopsidae	*208. <i>Acanthemblemaria atrata</i> Hastings & Robertson, 1999	34, 35, 95
	209. <i>Acanthemblemaria macrospilus</i> Brock, 1940	151
	210. <i>Chaenopsis</i> new species	34, 35
	211. <i>Coralliozetus boehlkei</i> Stephens, 1963	34, 35
	212. <i>Coralliozetus springeri</i> Stephens & Johnson, 1966	34, 35

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	213. <i>Ekemblemaria myersi</i> Stephens, 1963	142
	214. <i>Emblemaria nivipes</i> Jordan & Gilbert, 1883	34, 35, 160
	215. <i>Stathmonotus culebrai</i> Seale, 1940	142
Family Chaetodontidae	216. <i>Chaetodon humeralis</i> Günther, 1860	34, 35
	217. <i>Chaetodon lunula</i> (Lacepède, 1802)	34, 35
	218. <i>Forcipiger flavissimus</i> Jordan & McGregor, 1898	34, 35
	219. <i>Johnrandallia nigrirostris</i> (Gill, 1862)	34, 35
	220. <i>Prognathodes carlhubbsi</i> Nalbant, 1995	142
	221. <i>Prognathodes falcifer</i> (Hubbs & Rehnitzner, 1958)	34, 35
Family Cirrhitidae	222. <i>Cirrhitichthys oxycephalus</i> (Bleeker, 1855)	34, 35, 160
	223. <i>Cirrhitus rivulatus</i> Valenciennes, 1846	34, 35
Family Coryphaenidae	224. <i>Coryphaenoides anguliceps</i> (Garman, 1899)	104
	225. <i>Coryphaenoides boops</i> (Garman, 1899)	104
	226. <i>Coryphaenoides bucephalus</i> (Garman, 1899)	104
	227. <i>Coryphaena equiselis</i> Linnaeus, 1758	34, 35
	228. <i>Coryphaena hippurus</i> Linnaeus, 1758	34, 35
Family Dactyloscopidae	229. <i>Dactyloscopus lacteus</i> (Myers & Wade, 1946)	142
	230. <i>Dactyloscopus pectoralis fallax</i> Gill, 1861	34, 35
	*231. <i>Gillellus chathamensis</i> Dawson, 1977	34, 35, 62
Family Echineidae	232. <i>Echeneis naucrates</i> Linnaeus, 1758	142
	233. <i>Phtheirichthys lineatus</i> (Menzies, 1791)	142
	234. <i>Remorina albescens</i> (Temminck & Schlegel, 1850)	34, 35
	235. <i>Remora australis</i> (Bennett, 1840)	142
	236. <i>Remora brachyptera</i> (Lowe, 1839)	34, 35
	237. <i>Remora osteochir</i> (Cuvier, 1829)	34, 35
	238. <i>Remora remora</i> (Linnaeus, 1758)	34, 35, 163
Family Eleotridae	239. <i>Eleotris picta</i> Kner, 1863	34, 35
	240. <i>Gobiomorus maculatus</i> (Günther, 1859)	142
Family Gempylidae	241. <i>Gempylus serpens</i> Cuvier, 1829	142
	242. <i>Lepidocybium flavobrunneum</i> (Smith, 1843)	142
	243. <i>Nealotus tripes</i> Johnson, 1865	142
Family Gerreidae	244. <i>Eucinosotomus currani</i> Zahuranec, 1980	35
Family Gobiidae	245. <i>Bathygobius ramosus</i> Ginsburg, 1947	34, 35
	*246. <i>Chriolepis atrimelum</i> Bussing, 1997	32, 34, 35
	*247. <i>Chriolepis dialepta</i> Bussing, 1990	29, 34
	248. <i>Coryphopterus urospilus</i> Ginsburg, 1938	34, 35
	249. <i>Elacatinus nesiotus</i> Bussing, 1990	29, 34
	250. <i>Gobulus crescentalis</i> (Gilbert, 1892)	142
	251. <i>Gobulus hancocki</i> Ginsburg, 1938	34, 35
	*252. <i>Lythrypnus alphigena</i> Bussing, 1990	29, 34
	*253. <i>Lythrypnus cobalus</i> Bussing, 1990	29, 34
	*254. <i>Lythrypnus lavenbergi</i> Bussing, 1990	29, 34
	255. <i>Lythrypnus rhizophora</i> (Heller & Snodgrass, 1903)	34, 35, 122
	*256. <i>Sicydium cocoensis</i> (Heller & Snodgrass, 1903)	34, 35
Family Haemulidae	257. <i>Anisotremus caesius</i> (Jordan & Gilbert, 1882)	34, 35
	258. <i>Anisotremus interruptus</i> (Gill, 1862)	34, 35
	259. <i>Anisotremus taeniatus</i> Gill, 1861	34, 35
Family Istiophoridae	260. <i>Istiompax indica</i> (Cuvier, 1832)	142
Family Kuhliidae	261. <i>Kuhlia mugil</i> (Forster, 1801)	35

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Family Kyphosidae	262. <i>Kyphosus analogus</i> (Gill, 1862)	142
	263. <i>Kyphosus elegans</i> (Peters, 1869)	34, 35
	264. <i>Sectator ocyurus</i> (Jordan & Gilbert, 1882)	34, 35
Family Labridae	265. <i>Bodianus diplotaenia</i> (Gill, 1862)	34, 35
	266. <i>Decodon melasma</i> Gomon, 1974	28, 34, 35, 163
	267. <i>Halichoeres adustus</i> (Gilbert, 1890) as <i>Pseudojulis adustus</i>	28, 34, 35, 122
	268. <i>Halichoeres discolor</i> Bussing, 1983	27, 34, 35
	269. <i>Halichoeres dispilus</i> (Günther, 1864)	34, 35
	270. <i>Halichoeres nicholsi</i> (Jordan & Gilbert, 1882)	34, 35
	271. <i>Halichoeres notospilus</i> (Günther, 1864)	142
	272. <i>Halichoeres rainseri</i> Baldwin & McCosker, 2001	97
	*273. <i>Halichoeres salmofasciatus</i> Allen & Robertson, 2002	4
	274. <i>Iniistius pavo</i> (Valenciennes, 1840)	34, 35
	275. <i>Novaculichthys taeniourus</i> (Lacepède, 1801)	34, 35
	276. <i>Polylepion cruentum</i> Gomon, 1977	34, 35
	277. <i>Stethojulis bandanensis</i> (Bleeker, 1851)	34, 35
	278. <i>Thalassoma grammaticum</i> Gilbert, 1890	34, 35
	279. <i>Thalassoma lucasanum</i> (Gill, 1862)	34, 35
	280. <i>Thalassoma purpureum</i> (Forsskål, 1775)	34
	281. <i>Xyrichtys victori</i> Wellington, 1992 as <i>Xyrichtys victori</i>	34, 35, 122
Family Labrisomidae	282. <i>Dialommus fuscus</i> (Gilbert, 1891)	122, 123
	283. <i>Paraclinus mexicanus</i> (Gilbert, 1904)	34, 35
	284. <i>Starksia</i> new species	34, 35
Family Lutjanidae	285. <i>Aphareus furca</i> (Lacepède, 1801)	34, 35
	286. <i>Hoplogagrus guentherii</i> Gill, 1862 as <i>H. guntheri</i>	34, 35
	287. <i>Lutjanus aratus</i> (Günther, 1864)	34, 35
	288. <i>Lutjanus argentiventris</i> (Peters, 1869)	34, 35
	289. <i>Lutjanus colorado</i> Jordan & Gilbert, 1882	142
	290. <i>Lutjanus guttatus</i> (Steindachner, 1869)	142
	291. <i>Lutjanus inermis</i> (Peters, 1869)	34, 35
	292. <i>Lutjanus jordani</i> (Gilbert, 1898)	34, 35
	293. <i>Lutjanus novemfasciatus</i> Gill, 1862	34, 35
	294. <i>Lutjanus viridis</i> (Valenciennes, 1846)	34, 35
Family Luvaridae	295. <i>Luvarus imperialis</i> Rafinesque, 1810	142
Family Malacanthidae	296. <i>Caulolatilus affinis</i> Gill, 1865	34, 35
	297. <i>Caulolatilus hubbsi</i> Dooley, 1978	34, 35
	298. <i>Caulolatilus princeps</i> (Jenyns, 1840)	142
	299. <i>Malacanthus brevirostris</i> Guichenot, 1848	34, 35
Family Microdesmidae	300. <i>Clarkichthys bilineatus</i> (Clark, 1936)	35
Family Mugilidae	301. <i>Agonostomus monticola</i> (Brancroft, 1834)	34, 35
	302. <i>Chaenomugil proboscideus</i> (Günther, 1861) as <i>C. proboscideus</i>	34, 35
	303. <i>Mugil cephalus</i> Linnaeus, 1758	142
	304. <i>Mugil curema</i> Valenciennes, 1836	34, 35
Family Mullidae	305. <i>Mulloidichthys dentatus</i> (Gill, 1862)	35
Family Nomeidae	306. <i>Cubiceps pauciradiatus</i> Günther, 1872	142
	307. <i>Nomeus gronovii</i> (Gmelin, 1789)	142

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	308. <i>Psenes cyanophrys</i> Valenciennes, 1833	142
Family Opistognathidae	309. <i>Opistognathus panamaensis</i> Allen & Robertson, 1991	35
Family Polynemidae	310. <i>Polydactylus approximans</i> (Lay & Bennett, 1839)	35
Family Pomacanthidae	311. <i>Holacanthus passer</i> Valenciennes, 1846	34, 35
	312. <i>Pomacanthus zonipectus</i> (Gill, 1862)	34, 35
	313. <i>Abudefduf concolor</i> (Gill, 1862)	34, 35
	314. <i>Abudefduf troschelii</i> (Gill, 1862) as <i>A. troschelli</i>	34, 35
	315. <i>Chromis alta</i> Greenfield & Woods, 1980	34, 35
	316. <i>Chromis atrilobata</i> Gill, 1862	34, 35
	317. <i>Microspathodon bairdii</i> (Gill, 1862)	34, 35
	318. <i>Microspathodon dorsalis</i> (Gill, 1862)	34, 35
	319. <i>Stegastes acapulcoensis</i> (Fowler, 1944)	34, 35
	320. <i>Stegastes arcifrons</i> (Heller & Snodgrass, 1903)	34, 35
	321. <i>Stegastes beebei</i> (Nichols, 1924)	34, 35, 122
	322. <i>Stegastes flavilatus</i> (Gill, 1862)	34, 35
Family Priacanthidae	323. <i>Cookeolus japonicus</i> (Cuvier, 1829)	34, 35, 47
	324. <i>Heteropriacanthus cruentatus</i> (Lacepède, 1801)	34, 35
	325. <i>Pristigenys serrula</i> (Gilbert, 1891)	142
Family Scaridae	326. <i>Scarus rubroviolaceus</i> Bleeker, 1847	35
Family Sciaenidae	327. <i>Corvula macrops</i> (Steindachner, 1876)	142
	328. <i>Odontoscion eurymesops</i> (Heller & Snodgrass, 1903)	142
	329. <i>Umbrina galapagorum</i> Steindachner, 1878	142
	330. <i>Umbrina xanti</i> Gill, 1862	35
Family Scombridae	331. <i>Acanthocybium solandri</i> (Cuvier, 1832)	34, 35
	332. <i>Auxis rochei</i> (Risso, 1810)	34, 35
	333. <i>Auxis thazard</i> (Lacepède, 1800)	34, 35
	334. <i>Euthynnus lineatus</i> Kishinouye, 1920	34, 35
	335. <i>Katsuwonus pelamis</i> (Linnaeus, 1758)	34, 35
	336. <i>Sarda orientalis</i> (Temminck & Schlegel, 1844)	34, 35
	337. <i>Scomber japonicus</i> Houttuyn, 1782	142
	338. <i>Scomberomorus sierra</i> Jordan & Starks, 1895	34, 35
	339. <i>Thunnus albacares</i> (Bonnaterre, 1788)	34, 35
	340. <i>Thunnus obesus</i> (Lowe, 1839)	142
Family Serranidae	341. <i>Alphestes immaculatus</i> Breder, 1936	34, 35
	342. <i>Anthias noeli</i> Anderson & Baldwin, 2000	Retal12
	343. <i>Cephalopholis panamensis</i> (Steindachner, 1877)	34, 35
	344. <i>Cratinus agassizii</i> Steindachner, 1878	122
	345. <i>Dermatolepis dermatolepis</i> (Boulenger, 1895)	34, 35
	346. <i>Epinephelus cifuentesi</i> Lavenberg & Grove, 1993	34, 35, 47, 163
	347. <i>Epinephelus itajara</i> (Lichtenstein, 1822)	34, 35
	348. <i>Epinephelus labriformis</i> (Jenyns, 1840)	34, 35
	349. <i>Epinephelus niphobles</i> Gilbert & Starks, 1897	34, 35, 163
	350. <i>Liopropoma fasciatum</i> Bussing, 1980	142
	351. <i>Liopropoma longilepis</i> Garman, 1899	97
	352. <i>Mycteroperca olfax</i> (Jenyns, 1840)	34, 35, 122, 163
	353. <i>Paranthias colonus</i> (Valenciennes, 1846)	34, 35
	354. <i>Pronotogrammus eos</i> Gilbert, 1890	34, 35

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	355. <i>Pronotogrammus multifasciatus</i> Gill, 1863	34, 35, 47, 163
	356. <i>Pseudogramma thaumasium</i> (Gilbert, 1900)	34, 35
	357. <i>Serranus aequidens</i> Gilbert, 1890	34, 35
	358. <i>Serranus tico</i> Meisler & Lavenberg in Allen & Robertson, 1998	34, 35, 126
	359. <i>Rypticus bicolor</i> Valenciennes, 1846	34, 35
Family Sphyraenidae	360. <i>Sphyraena idiaestes</i> Heller & Snodgrass, 1903	35
Family Tripterygiidae	*361. <i>Axoclinus cocoensis</i> Bussing, 1991	30, 35
Family Xiphiidae	362. <i>Istiophorus platypterus</i> (Shaw in Shaw & Nodder, 1792)	34, 35
	363. <i>Makaira indica</i> (Cuvier, 1832)	34
	364. <i>Makaira mazara</i> (Jordan & Snyder, 1901)	34, 35
	365. <i>Tetrapturus angustirostris</i> Tanaka, 1915	34
	366. <i>Tetrapturus audax</i> (Philippi, 1887)	34, 35
	367. <i>Xiphius gladius</i> Linnaeus, 1758	34
Family Zanclidae	368. <i>Zanclus cornutus</i> (Linnaeus, 1758)	34
Order PLEURONECTIFORMES, Family Bothidae	369. <i>Bothus leopardinus</i> (Günther, 1862)	34, 35
	370. <i>Bothus mancus</i> (Broussonet, 1782)	34, 35
Family Cynoglossidae	371. <i>Symphurus atramentatus</i> Jordan & Bollman, 1890	142
	372. <i>Symphurus oligomerus</i> Mahadeva & Munroe, 1990	142
	373. <i>Symphurus varius</i> Garman, 1899	35
Family Paralichthyidae	374. <i>Citharichthys platophrys</i> Gilbert, 1891	142
	375. <i>Hippoglossina bollmani</i> Gilbert, 1890	34, 35
	376. <i>Syacium latifrons</i> (Jordan & Gilbert, 1882)	34, 35
	*377. <i>Syacium maculiferum</i> (Garmann, 1899)	34, 35, 142
Family Soleidae	378. <i>Aseraggodes herrei</i> Seale, 1940	35
Order TETRAODONTIFORMES, Family Balistidae	379. <i>Balistes polylepis</i> Steindachner, 1876	34, 35
	380. <i>Canthidermis maculata</i> (Bloch, 1786) as <i>C. maculatus</i>	34, 35
	381. <i>Melichthys niger</i> (Bloch, 1786)	34, 35
	382. <i>Melichthys vidua</i> (Richardson, 1845)	34, 35
	383. <i>Pseudobalistes naufragium</i> (Jordan & Starks, 1895)	34, 35
	384. <i>Sufflamen verres</i> (Gilbert & Starks, 1904)	34, 35
	385. <i>Xanthichthys caeruleolineatus</i> Randall, Matsuura & Zama, 1978	34, 35, 84
	386. <i>Xanthichthys mento</i> (Jordan & Gilbert, 1882)	34, 35
Family Diodontidae	387. <i>Chilomycterus reticulatus</i> (Linnaeus, 1758) as <i>C. reticulotus</i>	34, 35
	388. <i>Diodon eydouxii</i> Brisout de Barneville, 1846	142
	389. <i>Diodon holocanthus</i> Linnaeus, 1758	34, 35
	390. <i>Diodon hystrix</i> Linnaeus, 1758	34, 35
Family Molidae	391. <i>Mola mola</i> (Linnaeus, 1758)	143
	392. <i>Ranzania laevis</i> (Pennant, 1776)	143
Family Monacanthidae	393. <i>Aluterus monocerus</i> (Linnaeus, 1758)	34, 35
	394. <i>Aluterus scriptus</i> (Osbeck, 1765)	34, 35
	395. <i>Cantherhines dumerilii</i> (Hollard, 1854)	34, 35
Family Ostraciidae	396. <i>Ostracion meleagris</i> Shaw, 1796	35
Family Tetraodontidae	397. <i>Arothron hispidus</i> (Linnaeus, 1758)	34, 35
	398. <i>Arothron meleagris</i> (Lacepède, 1798)	34, 35
	399. <i>Canthigaster punctatissima</i> (Günther, 1870)	34, 35

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	400. <i>Lagocephalus lagocephalus</i> (Linnaeus, 1758)	142
	401. <i>Sphoeroides angusticeps</i> (Jenyns, 1842)	34, 35
	402. <i>Sphoeroides lobatus</i> (Steindachner, 1870)	34, 35
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(1) References are indicated by numbers according to the reference list

* = Endemic

Species/Genus in bold type = present at Isla del Coco but not on the Pacific coast of mainland Costa Rica

? = doubts about the identification

(a) Reported by Hertlein (1963) but not found in any database.

(b) Species described in: Suárez-Morales, E. & R. Gasca. 2012. A new *Lepeophtheirus* (Copepoda: Siphonostomatoida: Caligidae) from Isla del Coco, Costa Rica, Eastern Tropical Pacific. Rev. Biol. Trop. 60 (Suppl. 3): 235-242.