

Deep-sea Coral Taxa in the U.S. Southeast Region: Depth and Geographic Distribution

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This annex to the Southeast U.S. chapter in “State of Deep-Sea Coral and Sponge Ecosystems of the United States” lists deep-sea coral species in Phylum Cnidaria, Classes Anthozoa and Hydrozoa, known to occur in the region (Figure 1). The list covers azooxanthellate, heterotrophic coral species that occur predominantly deeper than 50 m in U.S. waters from Cape Hatteras to the Florida Keys. Details are provided on depth ranges and known geographic distribution within the region (Table 1). The list is adapted from Ross and Nizinski (2007) with the addition of new species and range extensions into Southeast U.S. waters reported since 2007, along with a number of species previously not included. Five species reported by Ross and Nizinski (2007) have been removed from the list, as we have not been able to confirm their presence in U.S. waters. ^a Taxonomic names are generally currently accepted in the World Register of Marine Species (<http://www.marinespecies.org>), and

are arranged by order, then alphabetically by family, genus, and species. Data sources (references) listed are those principally used to establish geographic and depth distributions.

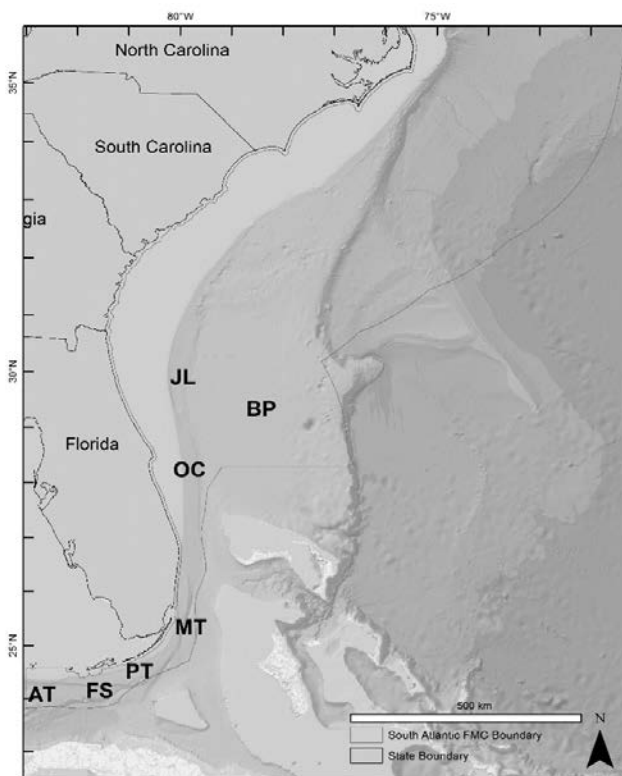


Figure 1. The U.S. Southeast region delimiting the geographic boundaries considered in this work. The region extends from Cape Hatteras to the Florida Keys and includes the Jacksonville Lithoherms (JL), Blake Plateau (BP), *Oculina* Mounds (OC), Miami Terrace (MT), Pourtalès Terrace (PT), Florida Straits (FS) and Agassiz/Tortugas Valley (AT). Note: A number of additional species not included in this list occur in the Florida Straits in the waters of Cuba and the Bahamas, but have not been confirmed from adjacent U.S. waters.

Recommended citation: Hourigan TF, Cairns SD, Reed J, Ross SW (2017) Deep-Sea Coral Taxa in the U.S. Southeast Region: Depth and Geographical Distribution. Online resource: <https://deepseacoraldata.noaa.gov/>.

Table 1. List of known deep-sea coral species in Phylum Cnidaria, Class Anthozoa and Class Hydrozoa, and their reported distributions in Southeast U.S. waters. Bold text and blue-shaded fields indicate newly described species, new list additions, or range extensions since Ross and Nizinski (2007). No symbols before bold & blue-shaded species names indicate newly described species, asterisks (*) denote new list additions, crosses (†) show name changes, and bold & blue-shaded depth and/or region fields represent range changes. "NR" indicates a lack of reported distribution or depth information. References are numbered to correspond with citations following the table.

Distribution: NC = off North Carolina; SC = off South Carolina; GA = off Georgia; BP = Blake Plateau; FL = off Florida (NEFL = Northeast Florida, SEFL = Southeast Florida, FS = Florida Straits, JL = Jacksonville Lithoherms, OC = Oculina Mounds, MT = Miami Terrace, PT = Pourtalès Terrace, AT = Agassiz/Tortugas Valleys, DT = Dry Tortugas, and FK = Florida Keys). Note that locations in parentheses indicate specific localities within Florida where a species has been recorded. When Museum collection records are the only reference for a species, the distribution listed may not be representative of the full distribution of the species.

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|------------------------------|---|--------------|-----------------|------------|
| Class Anthozoa | | | | |
| Subclass Hexacorallia | | | | |
| Order Antipatharia | | | | |
| Family Antipathidae | *<i>Antipathes atlantica</i> Gray, 1857 | NC-SC | 20-91 | 1,2,3 |
| | *<i>Antipathes gracilis</i> Gray, 1860 | NC-NEFL | 31-88 | 1,2 |
| | *<i>Antipathes lenta</i> Pourtalès, 1871 | SC-NEFL | 20-100 | 1,3 |
| | *<i>Stichopathes lutkeni</i> Brook, 1889 | SEFL(OC) | 50-90 | 4,5 |
| | *<i>Stichopathes occidentalis</i> (Gray, 1857) | NC | 67 | 1 |
| | *<i>Stichopathes</i> sp. | NC-FS(PT) | 30-314 | 1,5 |
| Family Aphanipathidae | *cf. <i>Phanopathes rigida</i> (Pourtalès, 1880) (= <i>Antipathes rigida</i> (Pourtalès, 1880)) | FS(PT) | 250-320 | 2,6 |
| Family Cladopathidae | <i>Chrysopathes micracantha</i> Opresko & de Laia Loiola, 2008 | BP(GA, NEFL) | 658-871 | 1,7 |
| | *<i>Heteropathes americana</i> (Opresko 2003) (= <i>Heliopathes americana</i> Opresko 2003) | GA | 1682-1737 | 8 |
| Family Leiopathidae | <i>Leiopathes glaberrima</i> (Esper, 1788) | GA, FL | 37-475 | 2,9,10 |
| Family Myriopathidae | *<i>Tanacetipathes barbadensis</i> (Brook, 1889) | FL | 13-285 | 1 |
| | *<i>Tanacetipathes hirta</i> (Gray, 1857) | NC-FL | 25-400 | 3,4 |
| Family Schizopathidae | †<i>Bathypathes</i> sp. (= <i>Bathypathes cf. alternata</i> Brook, 1889) | BP, SEFL | 364-716 | 1,6,11 |
| | *<i>Bathypathes patula</i> Brook, 1889 | BP | 762 | 1 |
| | *<i>Parantipathes tetrasticha</i> (Pourtalès, 1868) | FS(PT) | 176-225 | 1,6 |
| Family Stylopathidae | *<i>Stylopathes litocrada</i> Opresko, 2006 | FL(OC,PT) | 91-380 | 1,12 |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|-----------------------------|---|--------------|-----------------|----------------|
| Order Scleractinia | | | | |
| Family Anthemiphylliidae | <i>Anthemiphyllia patera patera</i> Pourtalès, 1878 | SEFL | 500-700 | 13 |
| Family Caryophylliidae | <i>Anomocora fecunda</i> (Pourtalès, 1871) | FS | 37-640 | 14,15 |
| | † <i>Anomocora marchadi</i> (Chevalier, 1966) (= <i>Asterosmilia marchadi</i> Chevalier, 1966) | SEFL | 35-229 | 16 |
| | † <i>Anomocora prolifera</i> (Pourtalès, 1871) (= <i>Asterosmilia prolifera</i> Pourtalès, 1871) | SEFL,FS | 30-329 | 13,16 |
| | <i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>ambrosia caribbeana</i> Cairns, 1979 | FS(PT) | 183-2360 | 1,13,16 |
| | <i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>berteriana</i> Duchassaing, 1850 | SEFL | 99-1033 | 1,14 |
| | * <i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>paucipalata</i> Moseley, 1881 | SEFL | 293-752 | 1,14 |
| | <i>Caryophyllia</i> (<i>Caryophyllia</i>) <i>polygona</i> Pourtalès, 1878 | GA, SEFL | 310-1817 | 14 |
| | <i>Cladocora debilis</i> Milne Edwards & Haime, 1849 | FS | 11-400 | 1,15 |
| | * <i>Coenosmilia arbuscula</i> Pourtalès, 1874 | FS | 74-622 | 1 |
| | <i>Concentrotheca laevigata</i> (Pourtalès, 1871) | SC-FS(PT) | 183-576 | 1,14 |
| | <i>Crispatotrochus squiresi</i> (Cairns, 1979) | SC-SEFL | 46-807 | 1,14 |
| | <i>Dasmosmilia lymani</i> (Pourtalès, 1871) | NC-FS(PT) | 37-366 | 1,14 |
| | <i>Dasmosmilia variegata</i> (Pourtalès, 1871) | FS | 110-421 | 1,14 |
| | <i>Desmophyllum dianthus</i> (Esper, 1794) | NC-FS | 183-2250 | 1,13 |
| | <i>Labyrinthocyathus facetus</i> Cairns, 1979 | SC-SEFL | 385-402 | 14 |
| | <i>Labyrinthocyathus langae</i> Cairns, 1979 | GA-FS | 506-810 | 1,14 |
| | <i>Lophelia pertusa</i> (Linnaeus, 1758) | NC-FS(PT) | 146-895 | 4,6,13,14,16 |
| | <i>Oxysmilia rotundifolia</i> (Milne Edwards & Haime, 1849) | SC-FS | 46-640 | 1,14 |
| | <i>Paracyathus pulchellus</i> (Philippi, 1842) | NC-FS(PT) | 17-250 | 1,14 |
| | * <i>Phacelocyathus flos</i> (Pourtalès, 1878) | FS | 20-560 | 1 |
| | * <i>Phyllangia americana americana</i> Milne Edwards & Haime, 1849 | NC-FL | 0-183 | 4,5,16 |
| | * <i>Phyllangia pequegnatae</i> Cairns, 2000 | GA | 48-112 | 1,16 |
| | * <i>Polycyathus senegalensis</i> Chevalier, 1966 | NC-SEFL | 12-143 | 1,16 |
| | * <i>Pourtalosmilia conferta</i> Cairns, 1978 | NC,SEFL | 55-191 | 1,16 |
| | <i>Premocyathus cornuformis</i> (Pourtalès, 1868) | GA-FS | 137-931 | 1 |
| | * <i>Rhizosmilia maculata</i> (Pourtalès, 1874) (= <i>Coenocyathus bartschi</i> Wells, 1947) | SEFL-DT | 68-1317 | 1 |
| | <i>Solenosmilia variabilis</i> Duncan, 1873 | GA-FS | 220-1383 | 11,13,14,16,17 |
| | <i>Stephanocyathus</i> (<i>Odontocyathus</i>) <i>coronatus</i> (Pourtalès, 1867) | BP,FS | 543-1250 | 1 |
| | <i>Stephanocyathus</i> (<i>Stephanocyathus</i>) <i>diadema</i> (Moseley, 1876) | BP,FS | 700-2683 | 1,14 |
| | <i>Stephanocyathus</i> (<i>Stephanocyathus</i>) <i>laevifundus</i> Cairns, 1977 | SEFL | 300-1158 | 1,14 |
| | <i>Stephanocyathus</i> (<i>Stephanocyathus</i>) <i>paliferus</i> Cairns, 1977 | FL-FS | 220-715 | 14 |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|--|--|--|---------------------------|-----------------|
| Family Caryophylliidae, cont. | <i>Tethocyathus cylindraceus</i> (Pourtalès, 1868) | FS(PT) | 183-649 | 1 |
| | <i>Tethocyathus recurvatus</i> (Pourtalès, 1878) | FS(PT) | 320-488 | 14,15 |
| | <i>Tethocyathus variabilis</i> Cairns, 1979 | SEFL | 250-576 | 14,15 |
| | <i>Thalamophyllia gombergi</i> Cairns, 1979 | FS(PT) | 155-220 | 1 |
| | <i>Thalamophyllia riisei</i> (Duchassaing & Michelotti, 1860) | FS | 4-914 | 1 |
| | <i>Trochocyathus (Trochocyathus) rawsonii</i> Pournalès, 1874 | SC-FS(PT) | 55-700 | 1,14 |
| Family Deltocyathidae | <i>Deltocyathus calcar</i> Pournalès, 1874 | NC-FS(PT) | 81-675 | 14 |
| | <i>Deltocyathus eccentricus</i> Cairns, 1979 | SC-FS(PT,AT) | 183-910 | 14 |
| | <i>Deltocyathus italicus</i> (Michelotti, 1838) | NEFL-FS | 403-2634 | 13,15 |
| | <i>Deltocyathus moseleyi</i> Cairns, 1979 | SEFL | 201-777 | 1,14 |
| | <i>Deltocyathus pournallesi</i> Cairns, 1979 | SC-FS(PT) | 311-567 | 1,14 |
| Family Dendrophylliidae | <i>Balanophyllia (Balanophyllia) floridana</i> Pournalès, 1868 | NC-FS | 13-220 | 1,16 |
| | <i>Bathypsammia fallosocialis</i> Squires, 1959 | SC-SEFL | 213-805 | 1,14 |
| | <i>Bathypsammia tintinnabulum</i> (Pournalès, 1868) | SC-FS | 210-1115 | 1,14 |
| | <i>Cladopsammia manuelensis</i> (Chevalier, 1966) | FS(PT) | 70-366 | 1,13 |
| | *Dendrophyllia alternata Pournalès, 1880 | SEFL(BP) | 276-900 | 1 |
| | *Eguchipsammia cornucopia (Pournalès, 1871) | FS(PT) | 91-300 | 1,13 |
| | <i>Eguchipsammia gaditana</i> (Duncan, 1873) | NC,GA | 97-505 | 1,16 |
| | *Eguchipsammia strigosa Cairns, 2000 | NC | 25-77 | 1,16 |
| | <i>Enallopsammia profunda</i> (Pournalès, 1867) | NC(NBP)-FS(PT,AT) | 305-1748 | 5,6,13,18 |
| | <i>Enallopsammia rostrata</i> (Pournalès, 1878) | SC | 300-1646 | 13,14 |
| | <i>Thecopsammia socialis</i> Pournalès, 1868 | NC(NBP)-FS(PT) | 214-878 | 1,14 |
| Family Flabellidae | <i>Flabellum (Flabellum) atlanticum</i> Cairns, 1979 | SEFL | 357-618 | 1 |
| | *Flabellum (Flabellum) floridanum Cairns, 1991 (= Flabellum fragile Cairns, 1977) | FS(FK) | 86-366 | 1 |
| | <i>Flabellum (Ulocyathus) moseleyi</i> Pournalès, 1880 | FS | 216-1097 | 1,14 |
| | <i>Javana cailleti</i> (Duchassaing & Michelotti, 1864) | SEFL, FS | 30-1809 | 13 |
| | <i>Polymyces fragilis</i> (Pournalès, 1868) | FS(PT) | 75-822 | 13,14 |
| | Family Fungiacyathidae | *Fungiacyathus (Bathyactis) crispus (Pournalès, 1871) | NC-FL | 183-1115 |
| <i>Fungiacyathus (Bathyactis) symmetricus</i> (Pournalès, 1871) | | SEFL,FS | 183-1664 | 14 |
| *Fungiacyathus (Fungiacyathus) pusillus (Pournalès, 1868) | | FS(PT) | 285-685 | 14 |
| Family Gardineriidae | *Gardineria paradoxa (Pournalès, 1868) | FL(FS) | 91-700 | 14 |
| Family Oculinidae | <i>Madrepora carolina</i> (Pournalès, 1871) | NC-FL | 53-1003; commonly 200-300 | 5,13,14,16,17 |
| | <i>Madrepora oculata</i> Linnaeus, 1758 | NC-FL | 80-1500 | 4,6,13,14,16,17 |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|--------------------------|---|----------------|-----------------|--------------------|
| Family Oculinidae, cont. | <i>*Oculina tenella</i> Pourtalès, 1871 | SEFL,FS | 25-159 | 16 |
| | <i>Oculina varicosa</i> Lesueur, 1821 | NC-FL | 3-150 | 1,4,13,14,16,17,19 |
| Family Pocilloporidae | <i>*Madracis asperula</i> Milne Edwards & Haime, 1849 | FS | 24-311 | 1,16 |
| | <i>Madracis myriaster</i> (Milne Edwards & Haime, 1849) | NC-FS(PT) | 20-1220 | 1,4,5,11,14 |
| | <i>*Madracis pharensis f. pharensis</i> (Heller, 1868) | NC | 11-333 | 16 |
| Family Rhizangiidae | <i>*Astrangia poculata</i> (Ellis & Solander, 1786) | NC to FL | 0-263 | 13 |
| Family Schizocyathidae | <i>Pourtalocyathus hispidus</i> (Pourtalès, 1878) | FL-FS | 349-1006 | 1,14 |
| | <i>Schizocyathus fissilis</i> Pourtalès, 1874 | SEFL | 88-1300 | 15,16 |
| Family Stenocyathidae | <i>Stenocyathus vermiformis</i> (Pourtalès, 1868) | GA(BP), FS(PT) | 165-835 | 13 |
| Family Turbinoliidae | <i>Cryptotrochus carolinensis</i> Cairns, 1988 | NC (NBP) | 320-338 | 1,20 |
| | <i>Deltocyathoides stimpsonii</i> (Pourtalès, 1871) | SC(BP)-FS | 110-553 | 1,14 |
| | <i>*Peponocyathus folliculus</i> (Pourtalès, 1868) | NC-FS | 284-457 | 1,13 |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|------------------------------|--|--------------|-----------------------|------------|
| Class Anthozoa | | | | |
| Subclass Octocorallia | | | | |
| Order Alcyonacea | | | | |
| Family Acanthogorgiidae | <i>*Acanthogorgia aspera</i> Pourtalès, 1867 | SBP-FS(PT) | 56-729 | 1,21 |
| Family Alcyoniidae | <i>Anthomastus agassizii</i> Verrill, 1922 | GA,FL | 320-3186 | 1,6,22,23 |
| | <i>Anthomastus grandiflorus</i> Verrill, 1878 | NC | 137-457 (750-2919) | 1,21,22 |
| | <i>Bellonella rubistella</i> (Deichmann, 1936) | SC-SEFL | 24-366 | 1,24 |
| Family Anthothelidae | <i>*Anthothela grandiflora</i> (Sars, 1856) | JL,FS | 744-868 | 1 |
| | <i>*Anthothela tropicalis</i> Bayer, 1961 | BL-FS | 173-805 | 1 |
| | <i>*Iciligorgia schrammi</i> Duchassaing, 1870 | SEFL | 11-366 | 4,5,25 |
| Family Chrysogorgiidae | <i>*Chrysogorgia herdendorfi</i> Cairns, 2001 | BP | 2178-2200 | 21,26 |
| | <i>Chrysogorgia multiflora</i> Deichmann, 1936 | GA-FS | 1021-1200 | 21,26 |
| | <i>*Chrysogorgia spiculosa</i> (Verrill, 1883) | FS | 914-2265 | 1,21,26 |
| | <i>Chrysogorgia squamata</i> (Verrill, 1883) | BP,JL | 431-1046 | 1,6,21 |
| | <i>*Distichogorgia sconsa</i> Bayer, 1979 | BP | 814 | 21,27 |
| | <i>*Iridogorgia pourtalesii</i> Verrill, 1883 | FS(PT) | (286) 558-1633 | 28,29 |
| | <i>Radicipes gracilis</i> (Verrill, 1884) | NC-SEFL | 196-567 | 1,21 |
| Family Clavulariidae | <i>*Carijoa riisei</i> (Duchassaing & Michelotti, 1860) | SC-FK | 0-104 | 4,5,24 |
| | <i>Clavularia modesta</i> (Verrill, 1874) | SC,GA | 29-861 | 1 |
| | † <i>Clavularia cf. rudis</i> (Verrill, 1922) (= <i>Trachythela cf. rudis</i>) | NEFL(BP) | 805 | 1 |
| | <i>Scleranthelia rugosa</i> (Pourtalès, 1867) | SC-SEFL | 70-586 | 1,24 |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|-----------------------------|--|--------------|-----------------|------------|
| Family Clavulariidae, cont. | <i>Telesto fruticulosa</i> Dana 1846 | NC-NEFL | 7-100 | 1,21,24 |
| | <i>Telesto nelleae</i> Bayer, 1961 | NC | 27-227 (1153) | 1,24,25 |
| | <i>Telesto sanguinea</i> Deichmann, 1936 | SC-FK | 18-134 | 1,24 |
| Family Coralliidae | *<i>Corallium medea</i> Bayer, 1964 | SEFL | 544-1426 | 1,21 |
| | † <i>Hemicorallium niobe</i> (Bayer, 1964)^b (= <i>Corallium niobe</i> Bayer, 1964) | SEFL | 668-1609 | 21 |
| Family Ellisellidae | *<i>Ellisella elongata</i> (Pallas, 1766) (= <i>Ellisella barbadensis</i> ; <i>Ctenocella</i> (<i>Viminella</i>) <i>barbadensis</i> ; <i>Viminella barbadensis</i>) | SC-FS(PT) | 12-453 | 11,24,30 |
| | *<i>Ellisella grandis</i> (Verrill, 1901) (= <i>Ctenocella</i> (<i>Ellisella</i>) <i>grandis</i>) | FS | 42-305 | 30 |
| Family Gorgoniidae | <i>Eunicella modesta</i> Verrill, 1883 | BP-SEFL | 475-880 | 1,6,21 |
| | *<i>Leptogorgia cardinalis</i> (Bayer, 1961) | NEFL | 19-77 (309) | 24,30 |
| | *<i>Leptogorgia euryale</i> (Bayer, 1952) | SC | 15-91 | 24 |
| | *<i>Leptogorgia hebes</i> Verrill, 1869 | NC-NEFL | 8-116 | 4,24 |
| | *<i>Leptogorgia punicea</i> (Milne Edwards & Haime, 1857) | NC-SEFL | 20-105 | 24 |
| | *<i>Leptogorgia stheno</i> (Bayer, 1952) | FS | 26-183 | 1,30 |
| | *<i>Leptogorgia virgulata</i> (Lamarck, 1815) | NC-SEFL | 2-82 (220) | 5,24,30 |
| Family Isididae | <i>Acanella cf. eburnea</i> (Pourtalès, 1868) | SC | 309-2100 | 1,15 |
| | *<i>Isidella</i> sp. 1 | FL(PT,JL) | 744-762 | 1,6 |
| | <i>Keratoisis flexibilis</i> (Pourtalès, 1868) | BP-FS(PT) | 170-816 | 1,6,11 |
| | † <i>Keratoisis grayi</i> (Wright, 1869) (= <i>Keratoisis ornata</i> Verrill, 1878) | BP | 274-3235 | 1,21 |
| | *<i>Lepidisis caryophyllia</i> Verrill, 1883 | FS | 1003-1064 | 1,30 |
| | <i>Lepidisis longiflora</i> Verrill, 1883 | SEFL | 752-1235 | 1 |
| Family Nephtheidae | <i>Gersemia fruticosa</i> (Sars, 1860) | FL | 770 (600-3100) | 1,22 |
| | <i>Pseudodrifia nigra</i> (Pourtalès, 1868) (= <i>Capnella nigra</i> ; <i>Eunephthya nigra</i> ; <i>Nephthya nigra</i>) | SC-FS(PT) | 60-1153 | 1,6,23,24 |
| Family Nidaliidae | *<i>Nidalia dissidens</i> Verseveldt & Bayer, 1988 | SEFL | 274-539 | 30 |
| | *<i>Nidalia occidentalis</i> Gray, 1835 | NC-SEFL | 37-440 | 1,4,5,24 |
| Family Paragorgiidae | <i>Paragorgia arborea</i> (Linnaeus, 1758) | NC | 200-800 | 15 |
| | <i>Paragorgia johnsoni</i> Gray, 1862 (= <i>Paragorgia boschmai</i> Bayer, 1964) | SEFL | 522-608 | 1,21 |
| Family Plexauridae | *<i>Bebryce cinerea</i> Deichmann, 1936 | SC | 76-549 | 24 |
| | *<i>Bebryce parastellata</i> Deichmann, 1936 | NC | 40-586 | 24,31 |
| | *<i>Muricea laxa</i> Verrill, 1864 | SEFL | 18-128 | 1,30 |
| | *<i>Muricea pendula</i> Verrill, 1868 | NC-FK | 13-125 | 21,24 |
| | *<i>Muriceides hirta</i> (Pourtalès, 1868) (= <i>Trachymuricea hirta</i>) | FS(PT) | 681-716 | 6 |
| | <i>Paramuricea</i> sp. | SC | 78 | 24 |
| | *<i>Paramuricea multispina</i> Deichmann, 1936 | SEFL,FS(PT) | 106-1289 | 1,6,11,32 |

| Higher Taxon | Species | Distribution | Depth range (m) | References | |
|---|--|--|-------------------|---------------|-------------|
| Family Plexauridae, cont. | <i>Paramuricea placomus</i> (Linnaeus, 1758) | SC-FS(PT) | 462-470 | 1,11,21,32 | |
| | * <i>Placogorgia mirabilis</i> Deichmann, 1936 | FS(PT) | 53-261 | 11 | |
| | * <i>Pseudoplexaura porosa</i> (Houttuyn, 1772) | FS | 3-283 | 1,30 | |
| | * <i>Scleracis guadalupensis</i> (Duchassaing & Michelotti, 1860) | NC,FL | 18-715 | 24 | |
| | * <i>Spinimuricea atlantica</i> (Johnson, 1862) (= <i>Echinomuricea cf. atlantica</i>) | FS(MT) | 284-323 | 6 | |
| | <i>Swiftia casta</i> (Verrill, 1883) | GA,FS | (53) 102-937 | 1,11,28,33 | |
| | <i>Swiftia exserta</i> (Ellis & Solander, 1786) | JL,MT | 21-177 (342, 494) | 1,4,30 | |
| | <i>Swiftia koreni</i> (Studer, 1889) | JL,FS(PT) | (97) 221-985 | 1,30 | |
| | * <i>Swiftia pourtalesii</i> Deichmann, 1936 | FS | 174-221 | 21,28,31 | |
| | * <i>Thesea parviflora</i> Deichmann, 1936 | NC (Cape Hatteras), FS(PT) | 81-183 | 1,11 | |
| | * <i>Thesea solitaria</i> (Pourtales, 1868) | FS | 185-318 | 30,34 | |
| | * <i>Villogorgia cf. nigrescens</i> Duchassaing & Michelotti, 1860 | FS(PT) | 215 | 11 | |
| | Family Primnoidae | * <i>Acanthoprimnoa goesi</i> (Aurivillius, 1931) | FS(PT) | 137-595 (711) | 21,35 |
| † <i>Callogorgia americana</i> Cairns & Bayer 2002 (= <i>Callogorgia americana americana</i>) | | FS(PT) | 183-732 | 21,36,37 | |
| <i>Callogorgia gracilis</i> (Milne Edwards & Haime, 1857) | | SEFL | 82-514 | 15,21,36,37 | |
| <i>Calyptrophora gerdae</i> Bayer, 2001 | | FS | 229-556 | 15,21 | |
| <i>Calyptrophora trilepis</i> (Pourtales, 1868) | | BP | 593-911 | 21,38 | |
| <i>Candidella imbricata</i> (Johnson, 1862) | | BP,SEFL | 514-2063 | 6,21,35 | |
| <i>Narella bellissima</i> (Kükenthal, 1915) | | SEFL | 439-841 | 21 | |
| <i>Narella pauciflora</i> Deichmann, 1936 | | SEFL | 738-1542 | 21 | |
| * <i>Narella regularis</i> (Duchassaing & Michelotti, 1860) | | SEFL | 494-792 | 1,21 | |
| <i>Narella versluysi</i> (Hickson, 1909) | | SEFL | 668-796 (2118) | 21,39 | |
| <i>Paracalyptrophora duplex</i> Cairns & Bayer, 2004 | | FL | 374-555 | 21,35 | |
| <i>Plumarella aurea</i> (Deichmann, 1936) | | SC-FL | 310-878 | 15,21,35 | |
| <i>Plumarella dichotoma</i> Cairns & Bayer, 2004 | | SC-FL | 494-1065 | 21,35 | |
| <i>Plumarella laxiramosa</i> Cairns & Bayer, 2004 | | NC,SC | 348-572 | 21,35 | |
| <i>Plumarella pellucida</i> Cairns & Bayer, 2004 | | NC-FS | 549-1160 | 1,21,35 | |
| <i>Plumarella pourtalesii</i> (Verrill, 1883) | | NC-FS | 183-882 | 1,6,11,21,35 | |
| <i>Thouarella (Thouarella) bipinnata</i> Cairns, 2006 | | BP-SEFL | 507-1000 | 1,21,40 | |
| Family Spongiodermidae | | * <i>Callipodium rubens</i> (Verrill, 1872) (= <i>Anthopodium rubens</i> Verrill, 1872) | NC,OC | 9-92 | 5,25 |
| | | * <i>Diodogorgia nodulifera</i> (Hargitt & Rogers, 1901) | GA-FL | 20-183 | 1,4,5,24,25 |
| | * <i>Titanideum frauenfeldii</i> (Kölliker, 1865) | NC-FL | 13-293 | 1,4,5,25,41 | |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|---------------------------|---|--------------|-----------------|------------|
| Order Pennatulacea | | | | |
| Family Anthoptilidae | * <i>Anthoptilum grandiflorum</i> (Verrill, 1879) (= <i>Benthoptilum sertum</i> Verrill, 1885) | NC,SC,FL(BP) | 274-3651 | 1 |
| | * <i>Anthoptilum murrayi</i> Kölliker, 1880 | SC | 430-2491 | 1 |
| Family Funiculinidae | * <i>Funiculina quadrangularis</i> (Pallas, 1766) | BP | 55-2866 | 33 |
| Family Kophobelemnidae | * <i>Kophobelemnon stelliferum</i> (Müller, 1776) | NC,SC | 393-2199 | 1 |
| | * <i>Sclerobelemnon theseus</i> Bayer, 1959 | SC | 79 | 24 |
| Family Renillidae | * <i>Renilla reniformis</i> (Pallas, 1766) | NC-FL | 1-73 off NC | 1,24 |
| Family Umbellulidae | * <i>Umbellula lindahli</i> Kölliker, 1875 (= <i>Umbellula lindahlii</i>) | BP | 549-3338 | 1 |
| Family Virgulariidae | * <i>Acanthoptilum</i> sp. | NC-FL | 49-279 | 1 |
| | * <i>Stylatula elegans</i> (Danielssen, 1860) | SC-FL | 20-812 | 1,24,42 |
| | * <i>Virgularia presbytes</i> Bayer, 1955 | NC-FL | 9-110 | 4,24,25 |

| Higher Taxon | Species | Distribution | Depth range (m) | References |
|------------------------------|---|--------------|----------------------------------|------------|
| Class Hydrozoa | | | | |
| Subclass Hydroidolina | | | | |
| Order Anthoathecata | | | | |
| Family Stylasteridae | <i>Crypthelia floridana</i> Cairns, 1986 | SBP,FS(PT) | 593-823 | 43 |
| | * <i>Crypthelia glossopoma</i> Cairns, 1986 | FS(PT) | 198-864 | 44 |
| | <i>Distichopora foliacea</i> Pourtalès, 1868 | GA,FS(PT) | 174-527 | 11,43,44 |
| | * <i>Errina cochleata</i> Pourtalès, 1867 | FS | 194-534 | 45 |
| | * <i>Lepidopora biserialis</i> Cairns, 1986 | FS | 196-370 | 45 |
| | * <i>Lepidopora glabra</i> (Portalès, 1867) | FS | 159-2021 | 44,45 |
| | * <i>Pliobothrus echinatus</i> Cairns, 1986 | FS(PT) | 164-750 | 1,11,43,44 |
| | <i>Pliobothrus symmetricus</i> Pourtalès, 1868 | SC-FS(PT) | 139-1100; commonly 150-400 | 43,44 |
| | <i>Stylaster complanatus</i> Pourtalès, 1867 | GA | 183-707 | 43 |
| | * <i>Stylaster duchassaingi</i> Pourtalès, 1867 | FS(PT) | 40-915 | 1,44,45 |
| | <i>Stylaster erubescens</i> Pourtalès, 1868 | SC-FS | 146-965; commonly 650-850 | 11,43,44 |
| | * <i>Stylaster filigranus</i> Pourtalès, 1871 | PT | 175-549 | 11,44 |
| | <i>Stylaster laevigatus</i> Cairns, 1986 | SC | 20-1170; commonly 300-400 | 43,44 |
| | <i>Stylaster miniatus</i> (Portalès, 1868) | SC-FS(PT) | 146-530 | 11,43,45 |
| | * <i>Stylaster roseus</i> (Pallas, 1766) | SC(BP) | 2-494; commonly <100 | 44,45 |

Notes

- a. Five species reported by Ross and Nizinski (2007) have been removed from the list, as we have not been able to confirm their presence in U.S. waters. These include three stony corals: *Caryophyllia (Caryophyllia) antillarum* Pourtalès, 1874, *Deltocyathus agassizi* Pourtalès, 1867, and *Balanophyllia (Balanophyllia) cyathoides* (Portalès, 1871); the parazoanthid gold coral formerly known as *Gerardia* sp. (likely *Kulamanamana* sp. – C. Messing pers. Comm.); and the soft coral *Siphonogorgia agassizii* (Deichmann, 1936). All have been reported from the Bahamas, just outside the U.S. Exclusive Economic Zone.
- b. Transfer of *Corallium niobe* Bayer, 1964 to the genus *Hemicorallium* based on phylogenetic relationships shown by mitochondrial and nuclear markers has not yet been reflected in [WoRMS](#).

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