

Species list of Octocorallia found in the South Atlantic Bight to 200m 28 species, classification from Bayer, 1981

- Subclass Octocorallia (=Alcyonacea) Haeckle, 1866
 - Order Alcyonacea (=Gorgonacea) Lamouroux, 1816
 - Suborder Stolonifera Hickson, 1883
 - Family Clavulariidae Hickson, 1894
 - Carijoa riisei* (Duchassaing & Michelotti, 1860)
 - Scleranthelia rugosa* (Pourtalès, 1867)
 - Telesto fruticulosa* Dana, 1846
 - Telesto nelleae* Bayer, 1961
 - Telesto sanguinea* Deichmann, 1936
 - Suborder Alcyoniina
 - Family Alcyoniidae Lamouroux, 1812 (emend. May, 1899)
 - Bellonella rubistella* (Deichmann, 1936)
 - Family Nephtheidae Gray, 1862 (emend. Utinomi, 1954)
 - Pseudodrifa nigra* (Pourtalès, 1868)
 - Family Nidaliidae Gray, 1869
 - Nidalia occidentalis* Gray, 1835
 - Suborder Scleraxonia Studer, 1887
 - Family Anthothelidae Broch, 1916
 - Diodogorgia nodulifera* (Hargitt and Rogers, 1901)
 - Iciligorgia schrammi* Duchassaing, 1870
 - Titanideum frauenfeldii* (Kölliker, 1865)
 - Suborder Holaxonia Studer, 1887
 - Family Plexauridae Gray, 1859
 - Bebryce grandis* Deichmann, 1936
 - Bebryce parastellata* Deichmann, 1936
 - Muricea pendula* Verrill, 1864
 - Placogorgia* sp.
 - Scleracis guadalupensis* (Duchassaing & Michelotti, 1860)
 - Thesea nivea* Deichmann 1936
 - Family Gorgoniidae Lamouroux, 1812
 - Leptogorgia cardinalis* (Bayer, 1961)
 - Leptogorgia euryale* (Bayer, 1952)
 - Leptogorgia hebes* (Verrill, 1869)
 - Leptogorgia punicea* (Milne Edwards & Haime, 1857)
 - Leptogorgia setacea* (Pallas, 1776)
 - Leptogorgia virgulata* (Lamarck, 1815)
 - Suborder Calcaxonia
 - Family Ellisellidae Gray, 1859
 - Ctenocella (Ellisella) barbadensis* (Duchassaing & Michelotti, 1864)
 - Order Pennatulacea Verrill, 1865
 - Suborder Sessiliflorae Kükenthal, 1915
 - Family Renillidae Gray, 1860

Renilla reniformis (Pallas, 1766)
Family Kophobelemnidae Gray, 1860
Sclerobelemnon theseus Bayer, 1959
Suborder Subselliiflorae Kükenthal, 1915
Family Virgulariidae Verrill, 1868
Stylatula elegans (Danielssen, 1860)
Virgularia presbytes Bayer, 1955