



# WCS

## ***A LIST OF SPECIES FROM GLOVER'S REEF ATOLL, BELIZE***

Compiled by Thomas Bright and Alex Tilley, November, 2010

This is a list of species known to reside in or migrate through the waters and islands of Glover's Reef Atoll, Belize. It was compiled from the sources listed at the end which include published accounts as well as unpublished notes, lists and personal observations.

We have proofed the scientific and common names against a variety of taxonomic data bases to rectify inconsistencies. Where synonyms in scientific names appeared, they were replaced with the currently accepted epithets. We have generally chosen the locally employed common names but have replaced some used in the sources with more widely recognized versions.

The higher taxonomy follows closely that adopted by the *World register of Marine Species*. Some placements may differ from those of other classification schemes in use (for example, the brown algae are placed in the kingdom Chromista, rather than Plantae). However, from the family level down, there should be no differences between conflicting taxonomies.

As careful as we have striven to be, there are certainly some errors herein. We request that the reader inform us of any. Most importantly, please report any new sightings so they may be included.

### ***FORAMINIFERANS FROM GLOVER'S REEF ATOLL***

**EUKARYOTA** empire

**PROTOCTISTA** kingdom

**GRANULORITICULOSA** phylum

**FORAMINIFERA** class

**Amphisteginidae** family

*Amphistegina lessonii*

**Anomalinidae**

*Cibicides sp.*

**Asterigerinatidae**

*Asterigerina sp.*

**Astrorhizidae**

*Bathysiphon sp.*

*Bigenerina sp.*

**Bagginidae**

*Cancris oblongus*

**Boliviniidae**

*Brizalina striatula*

**Buliminidae**

*Bulimina sp.*

**Cornuspiridae**

*Cornuspira planorbis*

**Discorbidae**

*Discorbis sp.*

*Rosalina floridana*

**Discorbinellidae**

*Hanzawaia strattoni*

**Elphidiidae**

*Criboelphidium sp.*

*Elphidium sp.*

**Hauerinidae**

*Articulina pacifica*

*Articularia sagra*

*Sigmoihauerina bradyi*

**Homotrematidae**

*Homotrema rubra*

**Lagenidae**

*Lagena perlucida*

**Miliolidae**

*Massilina peruviana*

*Milliolinella oblongata*

*Pyrgo sp.*

*Quinqueloculina bosciana*

*Quinqueloculina lamarckiana*

*Quinqueloculina polygona*

*Quinqueloculina semiluna*

*Spiroloculina sp.*

*Massilina granulocostata*

*Triloculina planciana*

*Triloculina trigonula*

**Nodosariidae**

*Marginulina sp.*

*Nodosaria sp.*

**Nonionidae**

*Nonion sp.*

**Peneroplidae**

*Peneroplis pertusus*

*Peneroplis proteus*

*Coscinospira arietina*

**Rosalinidae**

*Neoconorbina terquemi*

**Rotaliidae**

*Ammonia beccarii*

**Saccaminidae**

*Lagenammina difflugiformis*

**Textulariidae**

*Textularia sp.*

**Uvigerinidae**

*Uvigerina sp.*

**Valvulinidae**

*Valvulina oviedonia*

**MARINE ALGAE FROM GLOVER'S REEF ATOLL**

**PROKARYOTA** empire

**MONERA** kingdom

**GRACILICUTES** phylum

**CYANOBACTERIA** Blue-green algae subphylum

**Homoeotrichaceae** family

*Blennothrix lyngbyacea*

**Oscillatoriaceae**

*Lyngbya confervoides*

**Phormidiaceae**

*Trichodesmium sp.*

**Rivulariaceae**

*Calothrix confervicola*

*Calothrix crustacea*

*Calothrix parietina*

*Calothrix pilosa*

*Dichothrix penicillata*

*Rivularia nitida*

**Schizotrichaceae**

*Schizothrix calcicola*

*Schizothrix mexicana*

**EUKARYOTA** empire

**PROTOCTISTA** Protozoa and Protophyta kingdom

**DINOMASTIGOTA** phylum

**DINOPHYCEAE** Dinoflagellates class

**Symbiodiniaceae** family

*Symbiodinium spp.*

Zooxanthellae *Symbiodinium microadriaticum* Freudenthal

**CHROMISTA** kingdom

**OCHROPHYTA** phylum

**PHAEOPHYCEAE** Brown algae class

**Acinetosporaceae** family

*Hincksia mitchelliae*

**Dictyotaceae**

*Dictyopteris delicatula*

*Dictyopteris jamaicensis*

*Dictyota bartayresii*

*Dictyota cervicornis*

*Dictyota dichotoma*

*Dictyota humifusa*

*Dictyota menstrualis*

*Dictyota mertensii*  
*Lobophora variegata* Encrusting fan leaf algae  
*Padina gymnospora*  
*Padina sanctae-crucis*  
*Styopodium zonale*  
*Padina jamaicensis* White scroll algae

**Sargassaceae**

*Sargassum cymosum*  
*Sargassum filipendula*  
*Sargassum fluitans* Sargassum  
*Sargassum hystrix* White vein sargassum  
*Sargassum polyceratium*  
*Sargassum vulgare*  
*Turbinaria tricostrata* Saucer leaf algae  
*Turbinaria turbinata*

**Scytosiphonaceae**

*Colpomenia sinuosa*  
*Hydroclathrus clathratus*

**Sphacelariaceae**

*Sphacelaria sp.*

**PLANTAE** kingdom

**RHODOPHYTA** Red algae division

**Areschougiaceae** family

*Euclima isiforme*

**Bonnemaisoniaceae**

*Asparagopsis sp.*

**Ceramiaceae**

*Centroceras clavulatum*  
*Ceramium cimbricum*  
*Ceramium corniculatum*  
*Ceramium nitens*  
*Gayliella flaccida*  
*Corallophila huysmansii*

**Champiaceae**

*Champia parvula*  
*Coelothrix irregularis*

**Corallinaceae** Calcareous algae

*Amphiroa fragilissima*  
*Amphiroa hancockii*  
*Amphiroa rigida*  
*Amphiroa tribulus*  
*Corallina sp.* Crustose coralline algae  
*Fosliella farinosa*  
*Goniolithon sp.*  
*Jania adhaerens*  
*Jania capillacea*  
*Jania rubens*  
*Lithophyllum pustulatum*  
*Metagoniolithon sp.*

**Cystocloniaceae***Hypnea musciformis**Hypnea spinella***Delesseriaceae***Martensia pavonia***Galaxauraceae***Galaxaura comans**Galaxaura rugosa***Gelidiellaceae***Gelidiella acerosa***Gelidiaceae***Gelidium pusillum***Kallymeniaceae***Kallymenia limminghei***Lomentariaceae***Gelidiopsis intricata***Peyssonneliaceae***Peyssonnelia conchicola***Rhodomelaceae***Acanthophora spicifera* Spiny algae*Chondria dasyphylla**Chondria floridana**Chondria leptacremon**Chondria littoralis**Digenea simplex**Herposiphonia pecten-veneris**Herposiphonia secunda**Laurencia corallopsis**Laurencia intricata**Laurencia obtusa**Laurencia papillosa**Laurencia poitei**Lophosiphonia cristata**Polysiphonia scopulorum***Rhodymeniaceae***Botryocladia occidentalis**Botryocladia pyriformis**Botryocladia shanksii***Sebdeniaceae***Sebdenia flabellata***Wrangeliaceae***Lejolisia sp.**Wrangelia argus***Liagoraceae***Liagora dendroidea***Solieriaceae***Wurdemannia miniata*

### **Spyridiaceae**

*Spyridia filamentosa*

### **Stylonemataceae**

*Pterocладиella capillacea*

*Stylonema sp.*

## **CHLOROPHYTA** Green algae division

### **Polyphysaceae** family

*Acetabularia calyculus* Green mermaid's wine glass

*Parvocaulis polyphysoides*

### **Anadyomenaceae**

*Anadyomene stellata*

### **Caulerpaceae**

*Caulerpa cupressoides* Cactus tree algae

*Caulerpa mexicana*

*Caulerpa microphysa*

*Caulerpa racemosa* Green grape algae

*Caulerpa sertularioides*

*Caulerpa urvilleana*

### **Cladophoraceae**

*Chaetomorpha gracilis*

*Chaetomorpha linum*

*Cladophora catenata*

*Cladophora liebetruthii*

*Cladophora prolifera*

*Rhizoclonium riparium*

### **Codiaceae**

*Codium intertextum*

*Codium repens*

*Codium taylorii*

### **Boodleaceae**

*Cladophoropsis membranacea*

*Phyllocladion anastomosans*

### **Derbesiaceae**

*Derbesia sp.*

### **Halimedaceae**

*Halimeda copiosa*

*Halimeda discoidea* Large leaf watercress algae

*Halimeda goreaui* Small-leaf hanging vine

*Halimeda incrassata* Three finger leaf algae

*Halimeda monile*

*Halimeda opuntia* Watercress algae

*Halimeda tuna* Stalked lettuce leaf algae

### **Siphonocladaceae**

*Dictyosphaeria cavernosa* Green bubble algae

*Dictyosphaeria ocellata*

### **Udoteaceae**

*Avrainvillea asarifolia*

*Avrainvillea levis*

*Avrainvillea rawsonii*

*Penicillus capitatus*

*Penicillus dumetosus* Bristle ball brush  
*Penicillus lamourouxii*  
*Rhizocephalus phoenix* Pinecone algae  
*Penicillus pyriformis* Flat top bristle brush  
*Udotea conglutinata*  
*Udotea cyathiformis*  
*Udotea flabellum*  
*Udotea occidentalis*

**Ulvaceae**

*Ulva prolifera*

**Valoniaceae**

*Valonia macrophysa* Elongated sea pearls

*Valonia utricularis*

*Valonia ventricosa* Sea pearl

**Hapalidiaceae**

*Lithothamnion sp.*

**SEAGRASSES FROM GLOVER'S REEF ATOLL**

**PLANTAE** kingdom

**ANGIOSPERMOPHYTA** Flowering plants division

**LILIOPSISIDA** Monocotyledons class

**Hydrocharitaceae** Tape-grass family

*Halophila Americanae engelmannii* Engelmann's Sea-Grass

*Thalassia testudinum* Turtle grass

**Cymodoceaceae** Manatee-grass family

*Cymodocea filiformis* Manatee grass

*Halodule wrightii* Shoalweed

**LAND PLANTS FROM MIDDLE CAYE**

**PLANTAE** kingdom

**ANGIOSPERMOPHYTA** Flowering plants division

**LILIOPSISIDA** Monocotyledons class

**Agavaceae**

*Agave sp.* Agave

**Arecaceae** palm family

*Cocos nucifera* Coconut palm

*Cocos nucifera* Maypan coconut palm hybrid

*Thrinax radiata* Chit palm

**Cyperaceae** Sedge family

*Cyperus ligularis* Swamp flatsedge

*Cyperus planifolius* Flatleaf flatsedge

*Fimbristylis cymosa* Tropical fimbry

**Liliaceae** Lily family

*Hymenocallis littoralis* Spider lily

**Musaceae**

*Musa sp.* Banana plant

**Orchidaceae**

*Myrmecophila tibicinis* Cow horn orchid

**Pandanaceae**

*Pandanus sp.* Pandanus (Screw palm)

**Poaceae** Grass family

- Andropogon glomeratus* Bushy bluestem
- Cenchrus spinifex* Coastal sandbur
- Cynodon dactylon* Bermuda grass
- Eragrostis prolifera* Dominican lovegrass
- Eustachys petraea* Pinewoods fingergrass
- Paspalum laxum* Coconut paspalum
- Paspalum vaginatum* Seashore paspalum
- Saccharum officinarum* Sugar cane

**MAGNOLIOPSIDA** Dicotyledons class

**Aizoaceae** Fig-marigold family

- Sesuvium portulacastrum* Shoreline seapurslane

**Amaranthaceae** Amaranth family

- Blutaparon vermiculare* Silverhead
- Iresine diffusa* Juba's bush

**Apocynaceae** Dogbane family

- Rhabdadenia biflora* Mangrovevine
- Nerium oleander* Oleander

**Asteraceae** Aster family

- Ageratum littorale* White weed
- Ambrosia hispida* Coastal ragweed
- Borrchia arborescens* Tree seaside tansy
- Eclipta prostrata* False daisy
- Sphagneticola trilobata* Rabbit's paw

**Bataceae** Saltwort family

- Batis maritima* Turtleweed

**Boraginaceae** Borage family

- Argusia gnaphalodes* Sea rosemary
- Cordia sebestena* Ziricote (Geiger tree)
- Tournefortia gnaphalodes* Sea lavender (Fishermen's tobacco)

**Burseraceae** Frankincense family

- Bursera simaruba* Gumbo limbo

**Casuarinaceae**

- Casuarina sp.* Australian pine

**Chrysobalanaceae** Cocoa-plum family

- Chrysobalanus icaco* Coco plum

**Combretaceae** Indian almond family

- Conocarpus erectus* Buttonwood
- Laguncularia racemosa* White mangrove
- Terminalia catappa* Indian almond (Tropical almond)

**Convolvulaceae** Morning-glory family

- Ipomoea pes-caprae* Bayhops

**Euphorbiaceae** Spurge family

- Chamaesyce blodgettii* Limestone sandmat
- Chamaesyce mesembrianthemifolia* Coastal beach sandmat
- Euphorbia sp.* Spurge



- Fabaceae** Pea family  
*Canavalia rosea* Baybean  
*Pithecellobium keyense* Florida Keys blackbead  
*Sophora tomentosa* Yellow necklacepod
- Lauraceae** Laurel family  
*Cassytha filiformis* Devil's gut
- Malvaceae**  
*Thespesia populnea* Seaside maho
- Moraceae** Mulberry family  
*Ficus citrifolia* Wild banyantree
- Myricaceae** Bayberry family  
*Morella cerifera* Wax myrtle
- Nyctaginaceae** Four o'clock family  
*Neea psychotrioides* Salat
- Passifloraceae** Passion-flower family  
*Passiflora suberosa* Corkystem passionflower
- Polygonaceae** Buckwheat family  
*Coccoloba uvifera* Seagrape
- Pteridaceae** Maidenhair Fern family  
*Acrostichum aureum* Golden leatherfern
- Rhizophoraceae** Red Mangrove family  
*Rhizophora mangle* Red mangrove
- Rubiaceae** Madder family  
*Erithalis fruticosa* Blacktorch  
*Ernodea littoralis* Golden creeper  
*Ixora coccinea* West Indian jasmine  
*Morinda citrifolia* Noni
- Sapotaceae** Sapodilla Family  
*Pouteria campechiana* Canistel (Kaniste)
- Scrophulariaceae** Figwort family  
*Capraria biflora* Goatweed
- Solanaceae** Potato family  
*Solanum donianum* Mullein nightshade
- Surianaceae** Suriana family  
*Suriana maritima* Bay cedar
- Verbenaceae** Verbena family  
*Avicennia germinans* Black mangrove  
*Stachytarpheta jamaicensis* Light-blue snakeweed

## **SPONGES FROM GLOVER'S REEF ATOLL**

**PORIFERA** Sponges phylum

**DEMOSPONGIAE** class

**Aplysinidae** family

*Aiolochoxia crassa*

*Aplysina fistularis* Yellow tube sponge

*Aplysina fulva* Scattered pore rope sponge

*Aplysina lacunosa*

**Callyspongiidae**

*Callyspongia plicifera* Azure vase sponge

*Callyspongia vaginalis* Branching vase sponge

**Chalinidae**

*Agelas tubulata*

**Chondrillidae**

*Chondrilla nucula* Chicken liver sponge

**Clionidae**

*Cliona delitrix* Red boring sponge

*Cliona tenuis*

*Cliona varians* Brown variable sponge

*Sphaciospongia vesparium* Loggerhead sponge

**Dictyonellidae**

*Scopalina ruetzleri*

**Irciniidae**

*Ircinia felix*

**Mycalidae**

*Mycale laevis*

*Mycale laxissima*

*Mycale sp.*

**Niphatidae**

*Amphimedon compressa*

*Cribrochalina vasculum*

*Niphates digitalis*

**Raspailiidae**

*Ectyoplasia ferox*

**Petrosiidae**

*Xestospongia muta* Giant barrel sponge

**Phloeodictyidae**

*Aka coralliphaga*

**Tedaniidae**

*Tedania ignis* Fire sponge

**CNIDARIA FROM GLOVER'S REEF ATOLL**

**CNIDARIA** phylum

**SCYPHOZOA** Jellyfish class

**Cassiopeidae** Upsidedown jellyfishes family

*Cassiopea frondosa* Upsidedown jellyfish

**Linuchidae**

*Linuche unguiculata* Thimble jelly

**CUBOZOA** Box jellyfish class

**Carybdeidae** family

*Carybdea alata* Sea wasp

**HYDROZOA** Hydrozoans class

**Milleporidae** Fire corals family

*Millepora alcicornis* Fire coral

*Millepora complanata* Bladed fire coral

**ANTHOZOA** Sea anemones and corals class

**CERIANTIPATHARIA** subclass

**CERIANTHARIA** Tube-dwelling anemones order

**Cerianthidae** family

Tube anemone

**ANTIPATHARIA** Black corals, thorny corals order

**Antipathidae**

*Antipathes sp.*

**HEXACORALLIA** subclass

**ACTINIARIA** Sea anemones order

**Actiniidae**

*Condylactis gigantea* Giant Caribbean anemone

**Aiptasiidae**

*Bartholomea annulata* Ringed anemone

**Aliciidae**

*Alicia mirabilis* Berried anemone

**Phymanthidae**

*Phymanthus crucifer* Red beaded anemone

**Stichodactylidae**

*Stichodactyla helianthus* Sun anemone

**ZOANTHIDEA** Zoanthids order

**Parazoanthidae**

*Parazoanthus parasiticus* Sponge zoanthid

**Zoanthidae**

*Palythoa caribbaeorum* White encrusting zoanthid

*Zoanthus pulchellus* Mat zoanthid

**CORALLIMORPHARIA** order

**Actinodiscidae**

*Discosoma sanctithomae* Warty corallimorpharian

**SCLERACTINIA** Stony corals order

**Acroporidae**

*Acropora cervicornis* Staghorn coral

*Acropora palmata* Elkhorn coral

*Acropora prolifera* Fused staghorn coral

**Agariciidae**

*Agaricia agaricites* Lettuce coral

*Agaricia agaricites purpurea* Purple lettuce coral

*Agaricia fragilis fragilis* Fragile saucer coral

*Agaricia grahamae* Dimpled sheet coral

*Agaricia lamarcki* Whitestar sheet coral

*Agaricia tenuifolia* Thin leaf lettuce coral

*Leptoseris cucullata* Sunray lettuce coral

**Astrocoeniidae**

*Stephanocoenia michelini* Blushing star coral

**Caryophylliidae**

*Cladocora arbuscula* Tube coral

*Eusmilia fastigiata* Smooth flower coral

**Faviidae**

*Colpophyllia natans* Boulder brain coral

*Diploria clivosa* Knobby brain coral

*Diploria labyrinthiformis* Grooved brain coral

*Diploria strigosa* Symmetrical brain coral

*Favia fragum* Golfball coral

*Manicina areolata* Rose coral

*Montastraea annularis* Lobed star coral

*Montastraea cavernosa* Great star coral  
*Montastraea faveolata* Mountainous star coral  
*Montastraea franksi* Boulder star coral  
*Solenastrea bournoni* Smooth star coral

#### **Meandrinidae**

*Dendrogyra cylindricus* Pillar coral  
*Dichocoenia stokesi* Domed star coral  
*Meandrina meandrites* Maze coral  
*Meandrina meandrites brasiliensis* Brazilian rose coral

#### **Mussidae**

*Isophyllastrea rigida* Rough star coral  
*Mussa angulosa* Spiny flower coral  
*Mycetophyllia aliciae* Knobby cactus coral  
*Mycetophyllia ferox* Rough cactus coral  
*Mycetophyllia lamarckiana* Ridged cactus coral  
*Mycetophyllia reesi* Ridgeless cactus coral  
*Scolymia cubensis* Artichoke coral  
*Scolymia lacera* Atlantic mushroom coral

#### **Pocilloporidae**

*Madracis decactis* Ten-ray star coral  
*Madracis auretenra* (syn. *M. mirabilis*)

#### **Poritidae**

*Porites astreoides* Mustard hill coral  
*Porites clavaria*  
*Porites divaricata* Thin finger coral  
*Porites furcata* Branched finger coral  
*Porites porites* Club tip finger coral

#### **Siderastreidae**

*Siderastrea radians* Lesser starlet coral  
*Siderastrea siderea* Massive starlet coral

### **OCTOCORALLIA** subclass

**ALCYONACEA** Soft corals, Sea fans, Sea whips order

#### **Briaridae**

*Briareum asbestinum* Corky sea finger

#### **Gorgoniidae**

*Gorgonia ventalina* Common sea fan  
*Pseudopterogorgia bipinnata* Bipinnate sea plume

#### **Plexauridae**

*Eunicea mammosa* Swollen-knob candelabrum  
*Plexaura homomalla* Black sea rod  
*Plexaurella* sp.  
*Pseudoplexaura* sp.

## **ANNELID WORMS FROM GLOVER'S REEF ATOLL**

**ANNELIDA** phylum

**POLYCHAETA** class

**Amphinomidae** Fire worms

*Hermodice carunculata* Bearded fire worm

**Arenicolidae** Lugworms

*Arenicola cristata* Southern lugworm

**Sabellidae** Feather duster worms

*Anamobaea oerstedii* Split-crown feather duster

*Bispira brunnea* Social feather duster

*Sabellastarte magnifica* Magnificent feather duster

**Serpulidae** Serpulid worms

*Pomatostegus stellatus* Star horseshoe worm

*Salmacina huxleyi* Sea frost

*Spirobranchus giganteus* Christmas tree worm

**Terebellidae** Spaghetti worms

*Eupolymnia crassicornis* Spaghetti worm

**MOLLUSCA FROM GLOVER'S REEF ATOLL**

**MOLLUSCA** phylum

**GASTROPODA** class

**Aglajidae**

*Chelidonura hirundinina* Leech headshield slug

**Aplysiidae**

*Aplysia dactylomela* Spotted sea hare

*Aplysia parvula*

**Buccinidae** family

*Engina turbinella*

*Pisania pusio* Miniature trumpet triton

**Bursidae**

*Bursa granularis*

*Bursa thomae*

**Cassidae** Helmet shells

*Cassis madagascariensis* Emperor helmet

*Cypraecassis testiculus* Reticulated cowrie-helmet

**Cerithiidae** Ceriths

*Cerithium atratum*

*Cerithium litteratum* Stocky cerith

**Columbellidae**

*Columbella mercatoria* West Indian dove shell

*Nitidella ocellata* White-spotted dove shell

**Conidae** Cone snails

*Conus mus*

*Conus regius* Crown cone

**Coralliophilidae**

*Coralliophila abbreviata*

*Coralliophila caribaca*

**Costellariidae**

*Vexillum hanlevi*

**Cymatiidae**

*Cymatium muricinum*

**Cypraeidae** Cowries

*Cypraea cervus* Atlantic deer cowrie

**Elysiidae** Sea slugs

*Elysia crispata* Lettuce sea slug

*Elysia tuca* Sacoglossan sea slug

**Fasciariidae** Tulip and Spindle shells

*Leucozonia leucozonalis*

*Leucozonia ocellata* White-spotted latirus

*Pleuroploca gigantea* Horse conch

**Littorinidae** Periwinkles

*Littorina ziczac* Zebra periwinkle

**Marginellidae**

*Hyalina albolineata*

*Prunum guttatum*

**Mitridae**

*Mitra barbadensis* Barbados miter

**Modulidae** Modulus sea snails

*Modulus carchedonius* Angled modulus

*Modulus modulus* Button snail

**Muricidae**

*Drupa nodulosa* Blackberry drupe

*Murex florifer*

*Muricopsis oxytatus*

*Thais deltoidea* Deltoid rocksnail

**Neritidae** Nerites

*Nerita sp.* Nerite

**Ovulidae** False cowries

*Cyphoma gibbosum* Flamingo tongue

**Strombidae** Conchs

*Strombus costatus* Milk conch

*Strombus gigas* Queen conch

*Strombus raninus* Hawkwing conch

**Tonnidae**

*Malea pomum*

**Trochidae** Top snails

*Calliostoma javanicum* Chocolate-lined top-shell

*Cittarium pica* West Indian top-shell, Whelk

*Tegula fasciata* Silky tegula

*Tegula livdomaculata*

**Turbinellidae**

*Turbinella angulata* West Indian chank

*Vasum muricatum* Caribbean vase

**Turbinidae**

*Astraea americana*

*Astraea caelata*

*Astraea phoebia*

**Turridae**

*Crassispira fuscescens*

**Turritellidae** Tower shells

*Vermicularia knorrii* Florida wormsnail

**BIVALVIA** class

**Lucinidae** Lucines

*Lucina pensylvanica* Pennsylvania lucine

**Pinnidae** Pen shells

*Pinna carnea* Amber penshell

**Pteriidae** Pearl oysters

*Pteria colymbus* Atlantic wing-oyster

*Pinctada imbricata* Atlantic pearl oyster

**CEPHALOPODA** class

**DECAPODA** order

**Loliginidae** Inshore squids

*Sepioteuthis sepioidea* Caribbean reef squid

**OCTOPODA** order

**Octopodidae** Octopusses

*Octopus briareus* Caribbean reef octopus

## **ARTHROPODS FROM GLOVER'S REEF ATOLL**

**ARTHROPODA** phylum

**CRUSTACEA** subphylum

**CALANOIDA** Calanoid copepods order

**Acartiidae** family

*Acartia tonsa*

**DECAPODA** order

*Anomura* infraorder

**Galattheoidea** superfamily

**Porcellanidae** Porcelain crabs

*Petrolisthes armatus* Green porcelain crab

**Paguroidea** superfamily

**Coenobitidae** Land hermit crabs

*Coenobita clypeatus* Land hermit crab

**Diogenidae**

*Paguristes cadenati* Red reef hermit crab

**Brachyura** Short-tailed crabs infraorder

**Calappoidea** superfamily

**Calappidae** Box crabs family

*Calappa gallus* Rough box crab

**Grapsoidae** superfamily

**Gecarcinidae**

*Cardisoma guanhumi* Blue land crab

**Grapsidae**

*Grapsus grapsus* Sally Lightfoot

**Sesarmidae**

*Aratus pisonii* Mangrove tree crab

**Majoidea** Spider crabs superfamily

**Inachidae**

*Stenorhynchus seticornis* Arrowhead crab

**Mithracidae**

*Mithraculus sculptus* Green clinging crab

*Mithrax spinosissimus* Channel clinging crab

**Pinnotheroidea** superfamily

**Pinnotheridae** Pea crabs

*Dissodactylus primitivus* Heart urchin pea crab

**Caridea** True shrimps infraorder

**Alpheoidea** superfamily

**Hippolytidae**

*Lysmata wurdemanni* Peppermint shrimp

**Palaemonoidea** superfamily

**Palaemonidae**

*Periclimenes pedersoni* Pederson cleaner shrimp

**Palinura** infraorder

**Palinuroidea** superfamily

**Palinuridae** Spiny lobsters

*Panulirus argus* Caribbean spiny lobster

*Panulirus guttatus* Spotted spiny lobster

**Scyllaridae** Slipper lobsters

*Scyllarides aequinoctialis* Spanish slipper lobster

**Cirrhypedia Barnacles** Infraclass

**PEDUNCULATA** Goose barnacles order

*Lepas anatifera* Common goose barnacle

*Lepas anserifera*

## **CONSPICUOUS SPIDERS AND INSECTS OF MIDDLE CAYE**

**ARTHROPODA** phylum

**ARACHNIDA** class

**Theridiidae** Tangled web spiders

Tangled web spider (at least 2 species)

**Salticidae** Jumping spiders

Jumping spider (at least 1 species)

**INSECTA** class

**DICTYOPTERA** order

**Blattaria** Cockroaches suborder

Cockroach (at least 2 species)

**DIPTERA** true flies order

**Ceratopogonidae** no-see-ums

*Culicoides sp.* Sand fly

**Culicidae** Mosquitoes

*Anopheles sp.*

*Aedes sp.*

*Culex sp.*

**Muscidae**

*Musca domestica* Housefly

**HEMIPTERA** True bugs order

**Cixiidae** Cixiid planthoppers

*Myndus crudus* American palm cixiid

**ISOPTERA** Termites order

Termite

**ODONATA**

**Epiprocta** suborder

**Anisoptera** infraorder

Dragonfly



**SIPHONAPTERA** Fleas order

*Ctenocephalides sp.* Flea

**ECHINODERMS FROM GLOVER'S REEF ATOLL**

**ECHINODERMATA** phylum

**ASTEROIDEA** Sea stars class

**Astropectinidae** family

*Astropecten duplicatus* Two-spined seastar

**Oreasteridae** Cushion stars

*Oreaster reticulatus* Cushioned star

**ECHINOIDEA** Sea urchins class

**Brissidae** Heart urchins

*Meoma ventricosa* Red heart urchin

**Cidaridae** Pencil urchins

*Eucidaris tribuloides* Slate pencil urchin

**Diadematidae** Longspine sea urchins

*Diadema antillarum* Long-spined sea urchin

**Echinometridae**

*Echinometra mathaei* Rock-boring urchin

*Echinometra viridis* Reef urchin

**Mellitidae** Sand dollars

*Leodia sexiesperforata* Six holed keyhole urchin

**Toxopneustidae**

*Tripneustes ventricosus* West Indian sea egg

**HOLOTHUROIDEA** Sea cucumbers class

**Holothuriidae**

*Holothuria mexicana* Donkey dung sea cucumber

*Holothuria thomasi* Tiger tail sea cucumber

**Stichopodidae**

*Isostichopus badionotus* Chocolate chip sea cucumber

**Synaptidae**

*Euapta lappa*

**OPHIUROIDEA** Brittle stars class

**Ophiocomidae**

*Ophiocoma echinata* Black brittle star

**ASCIDIANS FROM GLOVER'S REEF ATOLL**

**CHORDATA** phylum

**ASCIDIACEA** class

**Holozoidae** Sea squirts family

*Distaplia corolla* Button tunicates

**FISHES FROM GLOVER'S REEF ATOLL**

**CHORDATA** phylum

**CHONDRICHTHYES** Sharks & rays class

**CARCHARHINIFORMES** Ground sharks order

**Carcharhinidae** Requiem sharks family

*Carcharhinus falciformis* Silky shark

*Carcharhinus galapagensis* Galapagos shark

*Carcharhinus isodon* Cuban night shark

*Carcharhinus leucas* Bull shark

*Carcharhinus limbatus* Blacktip Shark  
*Carcharhinus perezii* Caribbean reef shark  
*Galeocerdo cuvier* Tiger shark  
*Negaprion brevirostris* Lemon shark  
*Rhizoprionodon porosus* Caribbean sharpnose shark  
**Sphyrnidae** Hammerhead sharks  
*Sphyrna lewini* Scalloped hammerhead  
*Sphyrna mokarran* Great hammerhead  
*Sphyrna zygaena* Smooth hammerhead  
**Triakidae** Hound sharks  
*Mustelus canis insularis* Smooth dogfish  
**ORECTOLOBIFORMES** Carpet sharks order  
**Ginglymostomatidae** Nurse sharks  
*Ginglymostoma cirratum* Nurse shark  
**Rhincodontidae** Whale shark  
*Rhincodon typus* Whale shark  
**MYLIOBATIFORMES** Stingrays order  
**Dasyatidae** Stingrays  
*Dasyatis americana* Southern stingray  
*Himantura schmardae* Caribbean stingray  
**Myliobatidae** Eagle rays  
*Aetobatus narinari* Spotted eagle ray  
**Torpedinidae** Electric rays  
*Narcine brasiliensis* Lesser electric ray  
**Urolophidae** Round stingrays  
*Urobatis jamaicensis* Yellow stingray  
**ACTINOPTERYGII** Ray-finned fishes class  
**ALBULIFORMES** Bonefishes order  
**Albulidae** Bonefishes family  
*Albula vulpes* Bonefish  
**ANGUILLIFORMES** Eels order  
**Congridae** Conger eels  
*Heteroconger longissimus* Brown garden eel  
**Muraenidae** Moray eels  
*Gymnothorax funebris* Green moray  
*Gymnothorax miliaris* Goldentail moray  
*Gymnothorax moringa* Spotted moray  
**Ophichthidae** Snake eels  
*Myrichthys breviceps* Sharptail eel  
*Ophichthus ophis* Spotted snake eel  
**AULOPIFORMES** Aulopiforms order  
**Synodontidae** Lizardfishes  
*Synodus intermedius* Sand diver  
*Synodus saurus* Bluestriped lizardfish  
**BATRACHOIDIFORMES** Batrachoidiforms order  
**Batrachoididae** Toadfishes  
*Batrachoides gilberti* Large eye toadfish  
*Sanopus astrifer* Whitespotted toadfish  
*Sanopus splendidus* Splendid toadfish

**BELONIFORMES** Needlefishes and relatives order

**Belonidae** Needlefishes

*Ablennes hians* Flat needlefish

*Strongylura marina* Atlantic needlefish

*Tylosurus crocodilus* Houndfish

**Exocoetidae** Flyingfishes

*Hirundichthys speculiger* Mirrorwing flyingfish

**BERYCIFORMES** order

**Holocentridae** Squirrelfishes and Soldierfishes

*Holocentrus adscensionis* Squirrelfish

*Holocentrus rufus* Longspine squirrelfish

*Myripristis jacobus* Blackbar soldierfish

*Neoniphon marianus* Longjaw squirrelfish

*Sargocentron coruscum* Reef squirrelfish

*Sargocentron vexillarium* Dusky squirrelfish

**CLUPEIFORMES** Herrings order

**Clupeidae** Herrings and relatives

*Harengula humerali* Redear Herring (Sprat)

**ELOPIFORMES** Tarpons order

**Megalopidae** Tarpons

*Megalops atlanticus* Atlantic tarpon

**GASTEROSTEIFORMES** Pipefishes and relatives order

**Aulostomidae** Trumpetfishes

*Aulostomus maculatus* Trumpetfish

**Syngnathidae** seahorses

*Hippocampus erectus* Lined seahorse

*Hippocampus reidi* Longsnout seahorse

**LOPHIIFORMES** Anglerfishes order

**Ogcocephalidae** Batfishes

*Ogcocephalus nasutus* Shortnose batfish

**PERCIFORMES** Perch-like fishes order

**Apogonidae** Cardinalfishes

*Apogon binotatus* Barred cardinalfish

*Apogon lachneri* Whitestar cardinalfish

*Apogon maculatus* Flamefish

*Apogon planifrons* Pale cardinalfish

*Apogon townsendi* Belted cardinalfish

*Astrapogon stellatus* Conchfish

*Phaeoptyx pigmentaria* Dusky cardinalfish

**Blenniidae** Blennies

*Ophioblennius atlanticus* Redlip blenny

**Carangidae** Jacks

*Carangoides bartholomaei* Yellow jack

*Carangoides ruber* Bar jack

*Caranx crysos* Blue runner

*Caranx hippos* Crevalle jack

*Caranx latus* Horse-eye jack

*Caranx lugubris* Black jack

*Elagatis bipinnulata* Rainbow runner

*Selene vomer* Lookdown  
*Seriola dumerili* Greater amberjack  
*Trachinotus falcatus* Permit

**Chaenopsidae** Flag blennies, Tube blennies

*Acanthemblemaria aspera*  
*Acanthemblemaria spinosa* Spinyhead blenny  
*Chaenopsis ocellata* Bluethroat pikeblenny  
*Emblemaria pandionis* Sailfin blenny  
*Lucayablennius zingaro* Arrow blenny

**Chaetodontidae** Butterflyfishes

*Chaetodon capistratus* Foureye butterflyfish  
*Chaetodon ocellatus* Spotfin butterflyfish  
*Chaetodon striatus* Banded butterflyfish  
*Cheatodon sedentarius* Reef butterflyfish  
*Prognathodes aculeatus* Longsnout butterflyfish

**Cirrhitidae** Hawkfishes

*Amblycirrhitus pinos* Redspotted hawkfish

**Echeneidae** Sharksuckers

*Echeneis naucrates* Sharksucker  
*Echeneis neucratoides* Whitefin sharksucker

**Ephippidae** Spadefishes

*Chaetodipterus faber* Atlantic spadefish

**Gerreidae** Mojarra

*Gerres cinereus* Yellowfin mojarra

**Gobiidae** Gobies

*Bathygobius soporator* Frillfin goby  
*Coryphopterus dicrus* Colon goby  
*Coryphopterus eidolon* Pallid goby  
*Coryphopterus hyalinus* Glass goby  
*Coryphopterus lipernes* Peppermint goby  
*Coryphopterus personatus* Masked goby  
*Ctenogobius saepepallens* Dash goby  
*Elacatinus dilepis* Orangesided goby  
*Elacatinus louisae* Spotlight goby  
*Elacatinus lobeli*  
*Gnatholepis thompsoni* Goldspot goby  
*Gobiosoma sp.* Cleaning goby

**Grammatidae** Basslets

*Gramma loreto* Fairy basslet, Royal gramma  
*Gramma melacara* Blackcap basslet

**Haemulidae** Grunts

*Anisotremus surinamensis* Black margate  
*Anostremus virginicus* Porkfish  
*Haemulon album* White margate  
*Haemulon aurolineatum* Tomtate  
*Haemulon carbonarium* Caesar grunt  
*Haemulon chrysargyreum* Smallmouth grunt  
*Haemulon flavolineatum* French grunt  
*Haemulon macrostomum* Spanish grunt  
*Haemulon parrai* Sailor's choice

*Haemulon plumieri* White grunt  
*Haemulon sciurus* Bluestriped grunt  
*Haemulon striatum* Striped grunt  
**Inermiidae** Bogas and Bonnetmouths  
*Emmelichthyops atlanticus* Bonnetmouth  
*Inermia vittata* Boga

**Istiophoridae**

*Makaira nigricans* Atlantic blue marlin

**Kyphosidae** Sea chubs

*Kyphosus incisor* Yellow Chub  
*Kyphosus sectator* Chub

**Labride** Wrasse

*Bodianus pulchellus* Spotfin hogfish  
*Bodianus rufus* Spanish hogfish  
*Clepticus parrae* Creole wrasse  
*Halichoeres bivittatus* Slippery dick  
*Halichoeres garnoti* Yellowhead wrasse  
*Halichoeres maculipinna* Clown wrasse  
*Halichoeres pictus* Rainbow Wrasse  
*Halichoeres radiatus* Puddingwife  
*Lachnolaimus maximus* Hogfish  
*Thalassoma bifasciatum* Bluehead wrasse  
*Xyrichtys martinicensis* Rosy razorfish  
*Xyrichtys splendens* Green razorfish

**Labrisomidae** Labrisomid blennies

*Malacoctenus boehlkei* Diamond blenny  
*Malacoctenus macropus* Rosy blenny  
*Malacoctenus triangulatus* Saddled blenny

**Lutjanidae** Snappers

*Lutjanus analis* Mutton snapper  
*Lutjanus apodus* Schoolmaster snapper  
*Lutjanus buccanella* Blackfin snapper  
*Lutjanus cyanopterus* Cubera snapper  
*Lutjanus griseus* Gray snapper  
*Lutjanus jocu* Dog snapper  
*Lutjanus mahogoni* Mahogany snapper  
*Lutjanus synagris* Lane snapper  
*Lutjanus vivanus* Silk Snapper, Yellow eye snapper  
*Ocyurus chrysurus* Yellowtail snapper

**Malacanthidae** Tilefishes

*Malacanthus plumieri* Sand tilefish

**Mugilidae** Mullet

*Mugil curema* White mullet

**Mullidae** Goatfishes

*Mulloidichthys martinicus* Yellow goatfish  
*Pseudupeneus maculatus* Spotted goatfish

**Opistognathidae** Jawfishes

*Opistognathus aurifrons* Yellowhead jawfish  
*Opistognathus macrognathus* Banded jawfish  
*Opistognathus whitehursti* Dusky jawfish

**Pempheridae** Sweepers

*Pempheris schomburgkii* Glassy Sweeper

**Pomacanthidae** Angelfishes

*Centropyge argi* Cherubfish

*Holacanthus bermudensis* Blue angelfish

*Holacanthus ciliaris* Queen angelfish

*Holacanthus tricolor* Rock beauty

*Pomacanthus arcuatus* Gray angelfish

*Pomacanthus paru* French angelfish

**Pomacentridae** Damsel-fishes

*Abudefduf saxatilis* Sergeant major

*Chromis cyanea* Blue chromis

*Chromis enchrysur* Yellowtail reeffish

*Chromis insolata* Sunshinefish

*Chromis multilineata* Brown chromis

*Microspathodon chrysurus* Yellowtail damselfish

*Stegastes diencaeus* Longfin damselfish

*Stegastes adustus* Dusky damselfish

*Stegastes leucostictus* Beaugregory

*Stegastes partitus* Bicolor damselfish

*Stegastes planifrons* Threespot damselfish

*Stegastes variabilis* Cocoa Damselfish

**Priacanthidae** Bigeyes

*Heteropriacanthus cruentatus* Glasseye snapper

*Priacanthus arenatus* Bigeye

**Rachycentridae** Cobias

*Rachycentron canadum* Cobia

**Scaridae** Parrotfishes

*Cryptotomus roseus* Bluelip parrotfish

*Scarus coelestinus* Midnight parrotfish

*Scarus coeruleus* Blue parrotfish

*Scarus guacamaia* Rainbow parrotfish

*Scarus iseri* Striped parrotfish

*Scarus taeniopterus* Princess parrotfish

*Scarus vetula* Queen parrotfish

*Sparisoma atomarium* Greenblotch parrotfish

*Sparisoma aurofrenatum* Redband parrotfish

*Sparisoma chrysopterus* Redtail parrotfish

*Sparisoma radians* Bucktooth parrotfish

*Sparisoma rubripinne* Redfin Parrotfish

*Sparisoma viridae* Stoplight parrotfish

**Sciaenidae** Drums

*Equetus punctatus* Spotted drum

**Scombridae** Mackerels

*Acanthocybium solandri* Wahoo

*Scomberomorus cavalla* King mackerel

*Scomberomorus maculatus* Spanish mackerel

*Scomberomorus regalis* Cero

*Thunnus albacares* Yellowfin Tuna

**Serranidae** Sea basses

*Cephalopholis cruentata* Graysby  
*Cephalopholis fulva* Coney  
*Epinephelus adscensionis* Rock hind  
*Epinephelus guttatus* Red hind  
*Epinephelus itajara* Goliath grouper  
*Epinephelus striatus* Nassau grouper  
*Hypoplectrus aberrans* Yellowbelly hamlet  
*Hypoplectrus gummigutta* Golden hamlet  
*Hypoplectrus guttavarius* Shy hamlet  
*Hypoplectrus indigo* Indigo hamlet  
*Hypoplectrus nigricans* Black hamlet  
*Hypoplectrus providencianus* Masked hamlet  
*Hypoplectrus puella* Barred hamlet  
*Hypoplectrus sp.* Hybrid hamlet  
*Hypoplectrus unicolor* Butter hamlet  
*Liopropoma mowbrayi* Cave bass  
*Liopropoma rubre* Peppermint bass  
*Mycteroperca bonaci* Black grouper  
*Mycteroperca interstitialis* Yellowmouth grouper  
*Mycteroperca phenax* Scamp  
*Mycteroperca tigris* Tiger grouper  
*Mycteroperca venenosa* Yellowfin grouper  
*Paranthias furcifer* Creole-fish  
*Rypticus saponaceus* Greater soapfish  
*Schultzea beta* School bass  
*Serranus tabacarius* Tobacconfish  
*Serranus tigrinus* Harlequin bass  
*Serranus tortugarum* Chalk bass

**Sparidae** Porgies

*Archosargus probatocephalus* Sheepshead  
*Calamus bajonado* Jolthead Porgy  
*Calamus calamus* Saucereye Porgy

**Sphyraenidae** Barracudas

*Sphyraena barracuda* Great barracuda  
*Sphyraena borealis* Southern sennet

**Tripterygiidae** Triplefins

*Enneanectes altivelis* Lofty Triplefin

**PLEURONECTIFORMES** Flatfishes order

**Bothidae** Lefteye flounders

*Bothus lunatus* Peacock flounder  
*Bothus ocellatus* Eyed Flounder

**SCORPAENIFORMES** Scorpionfishes and relatives order

**Dactylopteridae** Flying gurnards

*Dactylopterus volitans* Flying Gurnard

**Scorpaenidae** Scorpionfishes

*Scorpaena plumieri* Spotted scorpionfish  
*Pterois volitans* Red lionfish

**TETRAODONTIFORMES** Trunkfishes and relatives order

**Acanthuridae** Surgeonfishes

*Acanthurus bahianus* Ocean surgeonfish

*Acanthurus chirurgicus* Doctorfish

*Acanthurus coeruleus* Blue tang

**Balistidae** Triggerfishes and Filefishes

*Balistes capriscus* Grey triggerfish

*Balistes vetula* Queen triggerfish

*Canthidermis sufflamen* Ocean triggerfish

*Melichthys niger* Black durgon

**Diodontidae** Porcupinefishes

*Chilomycterus antennatus* Bridled Burrfish

*Diodon holocanthus* Balloonfish

*Diodon hystrix* Porcupinefish

**Monacanthidae** Filefishes

*Aluterus schoepfii* Orange filefish

*Aluterus scriptus* Scrawled filefish

*Cantherhines macrocerus* Whitespotted filefish

*Cantherhines pullus* Orangespotted filefish

*Monacanthus tuckeri* Slender filefish

**Ostraciidae** Boxfishes

*Acanthostracion polygonius* Honeycomb Cowfish

*Acanthostracion quadricornis* Scrawled Cowfish

*Lactophrys bicaudalis* Spotted trunkfish

*Lactophrys trigonus* Trunkfish

*Lactophrys triqueter* Smooth trunkfish

**Tetraodontidae** Puffers

*Sphoeroides spengleri* Bandtail puffer

*Canthigaster rostrata* Sharpnose puffer

**REPTILES FROM GLOVER'S REEF ATOLL**

**CHORDATA** phylum

**REPTILIA** class

**SQUAMATA** Lizards order

**Gekkonidae** Geckos family

*Aristelliger georgeensis* St. George island gecko

*Phyllodactylus insularis* Island leaf-toed gecko

**Polychrotidae** Anoloid Lizards

*Anolis sagrei* Brown Anole

**Iguanidae** Iguanas

*Ctenosaura similis* Black spiny-tailed Iguana

*Iguana iguana* Green Iguana

**TESTUDINES** Turtles order

**Cheloniidae** Sea Turtles

*Caretta caretta* Loggerhead sea turtle

*Chelonia mydas* Green sea turtle

*Eretmochelys imbricata* Hawksbill sea turtle

**CROCODILIA** Crocodilians order

**Crocodylidae** Crocodiles

*Crocodylus acutus* American crocodile



## **BIRDS SEEN ON GLOVER'S REEF ATOLL**

### **CHORDATA** phylum

#### **AVES** class

#### **Accipitridae** Eagles and Hawks family

*Pandion haliaetus* Osprey

#### **Anatidae** Ducks

*Anas discors* Blue-winged Teal

#### **Apodidae** Swifts

*Chaetura pelagica* Chimney Swift

#### **Ardeidae** Bitterns, Egrets, Herons

*Ardea alba* Great Egret

*Ardea herodias* Great Blue Heron

*Bubulcus ibis* Cattle Egret

*Butorides virescens* Green Heron

*Egretta caerulea* Little Blue Heron

*Egretta thula* Snowy Egret

*Egretta tricolor* Tricolored Heron

*Nyctanassa violacea* Yellow-crowned Night-Heron

*Nycticorax nycticorax* Black-crowned Night Heron

#### **Bombycillidae** Waxwings

*Bombycilla cedrorum* Cedar Waxwing

#### **Caprimulgidae** Nightjars

*Chordeiles minor* Common Nighthawk

#### **Cardinalidae** Cardinals and Grosbeaks

*Passerina caerulea* Blue Grosbeak

*Passerina ciris* Painted Bunting

*Passerina cyanea* Indigo Bunting

*Phoeucticus ludovicianus* Rose-breasted Grosbeak

#### **Charadriidae** Plovers and relatives

*Pluvialis squatarola* Black-bellied Plover

#### **Columbidae** Doves and Pigeons

*Patagioenas leucocephala* White-crowned Pigeon

*Zenaida asiatica* White-winged Dove

#### **Cuculidae** Cuckoos

*Coccyzus americanus* Yellow-billed Cuckoo

#### **Enidae** Kingfishers

*Megaceryle alcyon* Belted Kingfisher

#### **Falconidae** Caracaras, Falcons

*Falco columbarius* Merlin

*Falco peregrinus* Peregrine Falcon

#### **Fregatidae** Frigatebirds

*Fregata magnificens* Magnificent Frigatebird

#### **Fringillidae** Old World Finches

*Carduelis tristis* American Goldfinch

#### **Hirundinidae** Swallows

*Hirundo rustica* Barn Swallow

*Progne subis* Purple Martin

*Riparia riparia* Bank Swallow

*Stelgidopteryx ruficollis* Southern Rough-winged Swallow

*Tachycineta bicolor* Tree Swallow

**Icteridae** Blackbirds and Oreoles

*Icterus galbula* Baltimore Oriole

*Icterus spurius* Orchard Oriole

*Quiscalus mexicanus* Great-tailed Grackle

**Laridae** Terns, Gulls and relatives

*Anous stolidus* Brown Noddy

*Anous tenuirostris* Sooty Noddy

*Larus atricilla* Laughing Gull

*Sterna antillarum* Least Tern

*Sterna fuscata* Sooty Tern

*Sterna maxima* Royal Tern

**Mimidae** Mockingbirds and Thrashers

*Dumetella carolinensis* Gray Catbird

**Parulidae** New World Warblers, Wood-Warblers

*Dendroica caerulescens* Black-throated Blue Warbler

*Dendroica castanea* Bay-breasted Warbler

*Dendroica cerulea* Cerulean Warbler

*Dendroica coronata* Yellow-rumped warbler

*Dendroica discolor* Prairie Warbler

*Dendroica dominica* Yellow-throated Warbler

*Dendroica fusca* Blackburnian Warbler

*Dendroica magnolia* Magnolia Warbler

*Dendroica palmarum* Palm Warbler

*Dendroica pensylvanica* Chestnut-sided Warbler

*Dendroica petechia erithachorides* Mangrove Warbler

*Dendroica petechia* Yellow Warbler

*Dendroica tigrina* Cape May Warbler

*Dendroica virens* Black-throated Green Warbler

*Geothlypis trichas* Common Yellowthroat

*Helmitheros vermivorum* Worm-eating Warbler

*Icteria virens* Yellow-breasted Chat

*Limnothlypis swainsonii* Swainson's Warbler

*Mniotilta varia* Black-and-white Warbler

*Oporornis formosus* Kentucky Warbler

*Parula americana* Northern Parula

*Protonotaria citrea* Prothonotary Warbler

*Seiurus aurocapilla* Ovenbird

*Seiurus motacilla* Louisiana Waterthrush

*Seiurus noveboracensis* Northern Waterthrush

*Setophaga ruticilla* American Redstart

*Vermivora chrysoptera* Golden-winged Warbler

*Vermivora peregrina* Tennessee Warbler

*Vermivora pinus* Blue-winged Warbler

*Wilsonia citrina* Hooded Warbler

**Pelecanidae** Pelicans

*Pelecanus occidentalis* Brown Pelican

**Phaethontidae** Tropicbirds

*Phaethon lepturus* White-tailed Tropicbird

**Phalacrocoracidae** Cormorants

*Phalacrocorax auritus* Double-crested Cormorant

**Phasianidae** Pheasants and relatives

*Gallus gallus domesticus* Domesticated Chicken

**Picidae** Woodpeckers

*Sphyrapicus varius* Yellow-bellied Sapsucker

**Rallidae** Coots and Rails

*Fulica sp.* Coot

Rail

*Porzana carolina* Sora

**Scolopacidae** Sandpipers

*Actitis macularius* Spotted Sandpiper

*Arenaria interpres* Ruddy Turnstone

*Calidris alba* Sanderling

*Tringa melanoleuca* Greater Yellowlegs

**Sulidae** Boobies and Gannets

*Sula leucogaster* Brown Booby

*Sula sula* Red-footed Booby

**Thraupidae** Tanagers

*Piranga olivacea* Scarlet Tanager

*Piranga rubra* Summer Tanager

**Trochilidae** Hummingbirds

*Amazilia tzacatl* Rufous-tailed Hummingbird

*Anthracothorax prevostii prevostii* Green-breasted Mango

*Archilochus colubris* Ruby-throated Hummingbird

*Chlorostilbon ricordii* Cuban Emerald Hummingbird

**Turdidae**

*Catharus guttatus* Hermit Thrush

*Catharus minimus* Gray-cheeked Thrush

*Catharus ustulatus* Swainson's Thrush

*Hylocichla mustelina* Wood Thrush

**Tyrannidae** Tyrant Flycatchers

*Contopus virens* Eastern Wood-Pewee

*Empidonax flaviventris* Yellow-bellied Flycatcher

*Myiarchus crinitus* Great-crested Flycatcher

*Tyrannus forficatus* Scissortail Flycatcher

*Tyrannus tyrannus* Eastern Kingbird

*Xenotriccus mexicanus* Pileated Flycatcher

**Vireonidae** Vireos

*Vireo altiloquus* Black-whiskered Vireo

*Vireo flavifrons* Yellow-throated Vireo

*Vireo griseus* White-eyed Vireo

*Vireo magister* Yucatan Vireo

*Vireo olivaceus* Red-eyed Vireo

*Vireo pallens* Mangrove Vireo

*Vireo philadelphicus* Philadelphia Vireo

*Vireo solitarius* Solitary Vireo

**MAMMALS FROM GLOVER'S REEF ATOLL**

**CHORDATA** phylum

**MAMMALIA** class

**ARTIODACTYLA** order

**Suidae** Pigs

*Sus sp.* Domesticated pig

**CARNIVORA** order

*Canis familiaris* Domesticated dog

*Felis catus* Domesticated cat

**CETACEA** order

**Delphinidae** Dolphins

*Stenella frontalis* Atlantic spotted dolphin

*Stenella longirostris* Long-snouted spinner dolphin

*Tursiops truncatus* Bottlenosed dolphin

**CHIROPTERA** Bats order

Bat

**LAGOMORPHA** order

**Leporidae**

*Oryctolagus cuniculus* European rabbit (Domestic rabbit)

**RODENTIA** order

*Cavia sp.* Guinea pig

*Rattus sp.* Rat

**SIRENIA** order

**Trichechidae** Manatees

*Trichechus manatus* West Indian Manatee

**SOURCES:**

**Anonymous (1996-97)** Middle Caye Checklist (hand-written notebook of species sightings).

**Balderamos, (2007)** List of Bird Species – Glover’s Reef, APPENDIX 3, Glover’s Reef Marine Reserve – Management Plan 2008-2013, pp 141-142, Wildtracks / Wildlife Conservation Society.

**Bennett, Susan P. (2010)** personal communication

**Bright, T. (1999)** Glover’s Reef CD.

**Carr, A.,** personal observations.

**Clarke, R. D., C. M. Finelli, E. J. Buskey (2009)** Water flow controls distribution and feeding behavior of two co-occurring coral reef fishes: II. Laboratory experiments: Coral Reefs 28:475–488.

**Finelli C. M. , R. D. Clarke , H. E. Robinson , E. J. Buskey (2009)** Water flow controls distribution and feeding behavior of two co-occurring coral reef fishes: I. Field measurements: Coral Reefs 28:461–473.

**Gibson, J.,** personal observations.

**Gibson, J. (1988)** Glover's Reef Atoll Draft Management Plan: Wildlife Conservation International, New York Zoological Society.

**Gischler, E. and J. H. Hudson (1996)** Holocene development of an isolated carbonate platform: Glover’s reef atoll, Belize. 1996 Coral Reef Symposium presentation.

**Gittings, S.,** Personal observation

**Glover’s Reef Marine Reserve (2007)** Management Plan 2008-2013. Wildtracks / Wildlife Conservation Society.

- Gonzalez-Rivero, M (2010)** Personal communication
- Lang, Dr. Judith (2010)** Personal communication
- Lang, Dr. Judith (1971)** Field notes from Long Caye, Glover's Reef. Unpublished, CITRE program field trip.
- Linhart (1980)** Local biogeography of plants on a Caribbean atoll. *Journal of Biogeography* 7
- McClanahan, T.R. Bergman, K., Huitric, M., McField, M., Elfwing, T., Nyström, M., Nordemar, I. (2000)** Response of fishes to algae reduction on Glovers Reef, Belize. *Marine Ecology Progress Series*.
- McClanahan, T.R. McField, M., Huitric, M., Bergman, K., Sala, E., Nyström, M., Nordemar, I., Elfwing, T., Muthiga, N.A. (2001)** Responses of algae, corals and fish to the reduction of macroalgae in fished and unfished patch reefs of Glovers Reef Atoll, Belize. *Coral Reefs*.
- McClanahan T. R. & Muthiga N. A. (1997?)** Abundance, Distribution and Diversity of Coral Reef Epibenthic Gastropods of Glovers Reef Atoll, Belize. Manuscript for Bulletin of Marine Science-Coral Reef Section, 26pp.
- McClanahan, T.R., Sala, E., Stickels, P., Cokos, B.A., Baker, A., Starger, C.J. (2003)** Interaction between nutrients and herbivory in controlling algal communities and coral condition on Glover's Reef, Belize. *Marine Ecology Progress Series*.
- Meadows, M. (1998)** Middle Caye and birds. 14 – 18 October 1998.
- Meerman, J.C. (1995)** Western Long Caye, Glover's Atoll Terrestrial Biological Survey. Belize Tropical Forest Studies Publication #4.
- Mumby, P.J. (2010)** ReefVid web site <<http://www.reefvid.org>>
- Pikitch, E.K., D.D. Chapman, E.A. Babcock, M.S. Shivji (2005)** Habitat use and demographic population structure of elasmobranchs at a Caribbean atoll (Glover's Reef, Belize). *Marine Ecology Progress Series*.
- Powell (1997)** Draft Guidebook to Glovers Reef.
- Reef Foundation (2000)** REEF Geographic Report For: Region 5: NW Caribbean, sub-region 55: Belize, Zone 5505: Glover's Reef.
- Salvin, O. (1862)** A Fortnight amongst the Sea-birds of British Honduras.
- Smedley, M (2010)** Personal communication.
- Stoddart D.R. (1962)** Three Caribbean Atolls: Turneffe Islands, Lighthouse Reef and Glover's Reef, British Honduras. *Atoll Research Bulletin*. Washing DC: Pacific Science Board, No. 87.
- Tilley, A. (2009)** Species found at Glovers Reef. <<http://wcsgloversreef.org>>
- Tsuda, R.T. and C. J. Dawes (1974)** Preliminary Checklist of Marine Benthic Plants from Glover's Reef Cays: *Atoll Res. Bull.* 257.
- Victor, Benjamin C. (2010)** personal communication
- Walker (2007)** List of plant Species – Middle Caye, Glover's Reef, APPENDIX 2, Glover's Reef Marine Reserve – Management Plan 2008-2013, pp149-150, Wildtracks / Wildlife Conservation Society.
- Wallace, R.J. (1974)** A reconnaissance of the sedimentology and ecology of Glover's Reef Atoll, Belize. Ph.D. Thesis, Princeton University.
- Wallace R.J. & S.D. Schafersmann. (1977)** Patch-reef ecology and sedimentology of Glover's Reef Atoll, Belize. *Am. Ass. Petrol. Geol. Studies in geology* 4.

## **TAXONOMIC DATA BASES:**

AlgaeBase	<a href="http://www.algaebase.org/">http://www.algaebase.org/</a>
Belize Biodiversity Information System	<a href="http://fwie.fw.vt.edu/wcs/">http://fwie.fw.vt.edu/wcs/</a>
FishBase	<a href="http://www.fishbase.org/">http://www.fishbase.org/</a>
GBIF, Global Biodiversity Information Facility	<a href="http://data.gbif.org/">http://data.gbif.org/</a>
Glover's Reef Marine Station	<a href="http://wcsgloversreef.org/">http://wcsgloversreef.org/</a>
ITIS, Integrated Taxonomic Information System	<a href="http://www.itis.gov/">http://www.itis.gov/</a>
NBII, National Biol. Information Infrastructure	<a href="http://www.nbii.gov/">http://www.nbii.gov/</a>
PlantBase	<a href="http://www.plantbase.net/">http://www.plantbase.net/</a>
USDA Plants Database	<a href="http://plants.usda.gov/">http://plants.usda.gov/</a>
WoRMS, World register of Marine Species	<a href="http://www.marinespecies.org/">http://www.marinespecies.org/</a>
ReefVid	<a href="http://www.reefvid.org">http://www.reefvid.org</a>

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