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ALGAE AND INVERTEBRATES of Deepwater Communities in the Northwestern Gulf of Mexico

Developed by Flower Garden Banks National Marine Sanctuary

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KINGDOM PLANTAE

DIVISION CHLOROPHYTA (GREEN ALGAE)

Order Bryopsidales Family Codiaceae Order Cladophorales Family Anadyomenaceae Order Siphonocladales Family Valoniaceae



Codium repens *Anadyomene lacerata* *Ventricaria ventricosa*

CLASS PHAEOPHYCEAE (BROWN ALGAE)

Order Dictyotales Family Dictyotaceae Order Fucales Family Sargassaceae



Padina profunda *Sargassum hystrix*

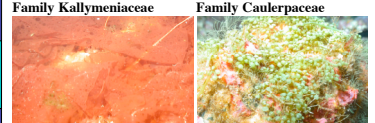
DIVISION RHODOPHYTA (RED ALGAE)

Order Cryptonemiales Family Cryptonemiaceae Family Schizmeniaceae



Halymenia hancockii *Titanophora incrustans*

Order Gigartinales Family Kallymeniaceae Order Caulerpales Family Caulerpaceae



Kallymenia westii *Caulerpa racemosa*

KINGDOM ANIMALIA

PHYLUM CNIDARIA
CLASS ANTHOZOA
SUBCLASS HEXACORALLIA
Order Zoanthidea



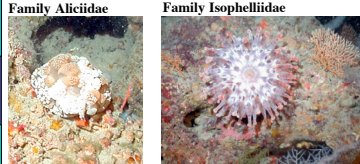
Protopalycha grandis
Mushroom zoanthid

PHYLUM ANNELIDA
CLASS POLYCHAETA
ORDER CANALIPALPATA
Family Serpulidae



Family Serpulidae
Filograna huxleyi?

Order Actinaria Family Aliciidae Family Isophelliidae

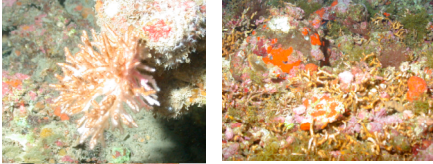


Alicia mirabilis
Warty anemone

Telmatactis sp.

ORDER SCLERACTINIA

Family Pocilloporidae

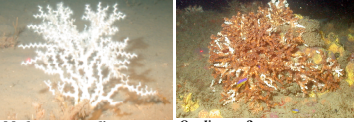


Madracis cf asperula? *Madracis brueggemanni*



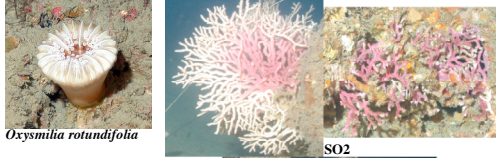
Madracis cf asperula?

Family Oculinidae



Madrepora carolina *Oculina sp.2*

Family Caryophylliidae



Oxysmilium rotundifolia SO2



Yet to be identified stony coral SO3

Subclass Ceriantipatharia

Order Ceriantaria



TA01 TA02

Subclass Octocorallia

Order Pennatulacea



SPEN1 SPEN2 SPEN3

February, 2007

PHYLUM ECHINODERMATA

CLASS ASTEROIDEA

ORDER FORCIPULATIDA

Family Asteroiidae



Coronaster briareus *Sclerasterias contorta* *Tosia parva*

Family Ophiasteriidae



Linckia guildingii *Narcissia trigonaria* *Haeclia superba*

ORDER SPINULOSIDA

Family Echinasteriidae



Henricia sexradia ST01 ST13 ST08

CLASS OPHIUROIDEA

ORDER PHRYNOPHURIDA

Family Gorgonocephalidae



Astrophyton muricatum

Family Gorgonocephalidae



Ophiotrix suensonii

CLASS ECHINOIDEA

ORDER CIDAROIDA

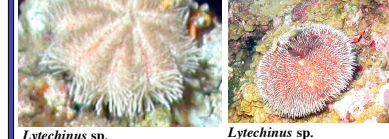
Family Cidaridae



Stylocidaris affinis

ORDER TEMNOPLUROIDEA

Family Toxopneustidae



Lytechinus sp. *Lytechinus sp.*

ORDER VALVATIDA

Family Goniasteridae



Tosia parva

ORDER SPINULOIDEA

Family Spinuloidae



Linckia guildingii

ORDER COMASTERIDAE



Comactinia meridionalis

PHYLUM MOLLUSCA

CLASS CEPHALOPODA

ORDER OCTOPODA

Family Octopodidae



Octopus - Scaevargus unicolor

PHYLUM ARTHROPODA

CLASS MALACOSTRACA

ORDER DECAPODA

Family Palaemonidae



Entemnotrochus adansonianus

ORDER DECAPODA

Family Hippolytidae



Plesionika longicauda

ORDER DECAPODA

Family Inachidae



Stenorynchus seticornis
Arrow crab

CLASS HOLOTHUROIDEA

ORDER ASPIDOCHIROTIDA

Family Holothuriidae



Holothuria lentiginosa

Family Stichopodidae



Isostichopus badiotus



CU1



CU2

ORDER CHARITOMETRIDAE

Family Charitometridae



Crinometra brevipinna

CLASS CRINOIDEA

ORDER COMATULIDA

Family Antedonidae



Stylostoma spinifera var. brevispina

ORDER COMASTERIDAE

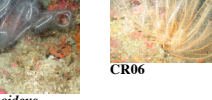
Family Comasteridae



CR06

ORDER COMASTERIDAE

Family Comasteridae



CR07

CLASS GASTROPODA

ORDER VETIGASTROPODA

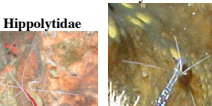
Family Pleurotariidae



Entemnotrochus adansonianus

ORDER VETIGASTROPODA

Family Pleurotariidae



Periclimenes pedersoni

ORDER CAENO-GASTROPODA

Family Oculidae



Cyphoma gibbosum
Flamingo Tongue

ORDER DECAPODA

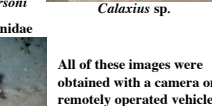
Family Palaemonidae



Calaxius sp.

ORDER DECAPODA

Family Axidae



Dardanus fucosus?

All of these images were obtained with a camera on a remotely operated vehicle at depths between 50m and 150m