



*NW coast Isla Roatan,
Honduras:*

SCUBA dive U/W Photos

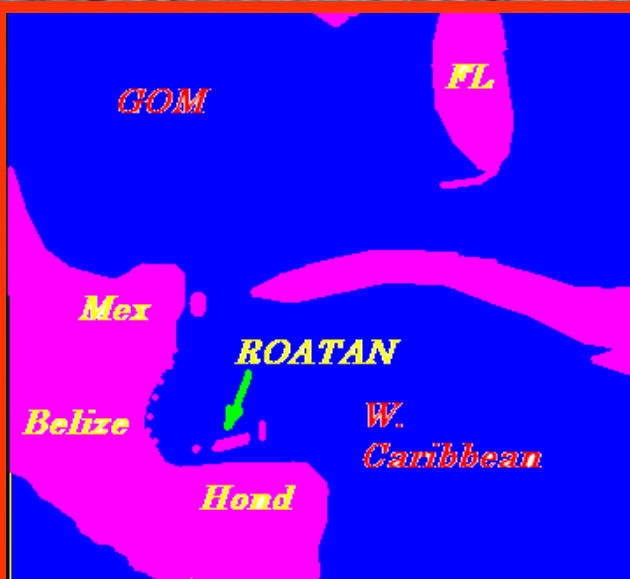
April 14th, 2011



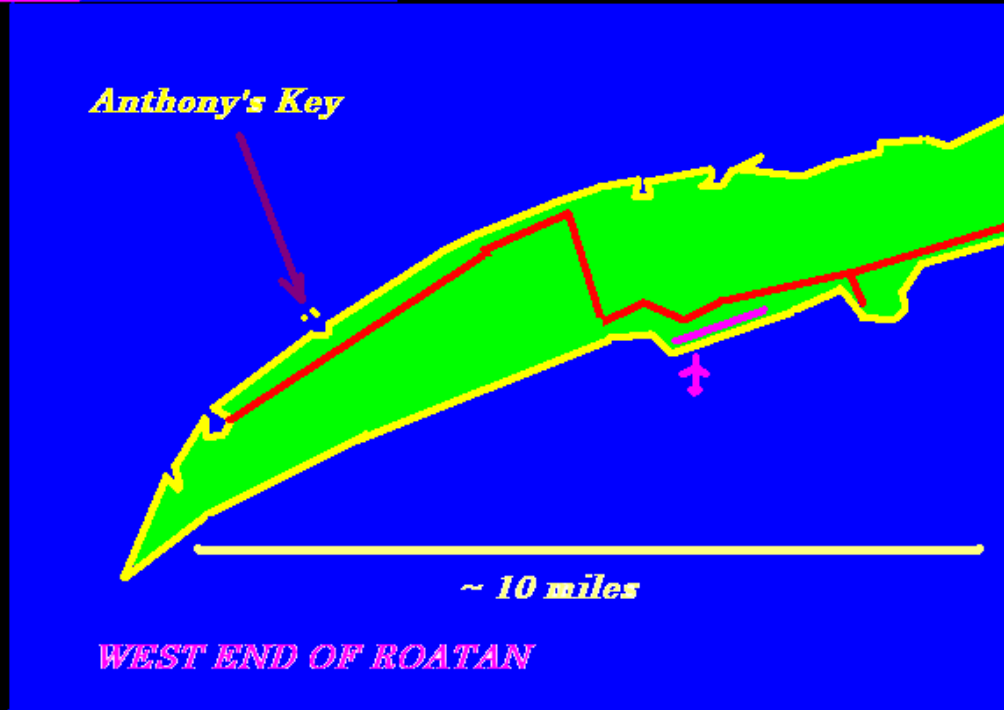
John E. B. Baker

PADI AI #1373





U/W photos were done
with a Nikon Coolpix
S210 in a FantaSea
Housing





Dive #2

Dive #1

1192 ft
Imagery Date: Apr 5, 2008

Image © 2011 DigitalGlobe
© 2011 Europa Technologies
16° 19.819' N 86° 34.434' W elev 0 ft



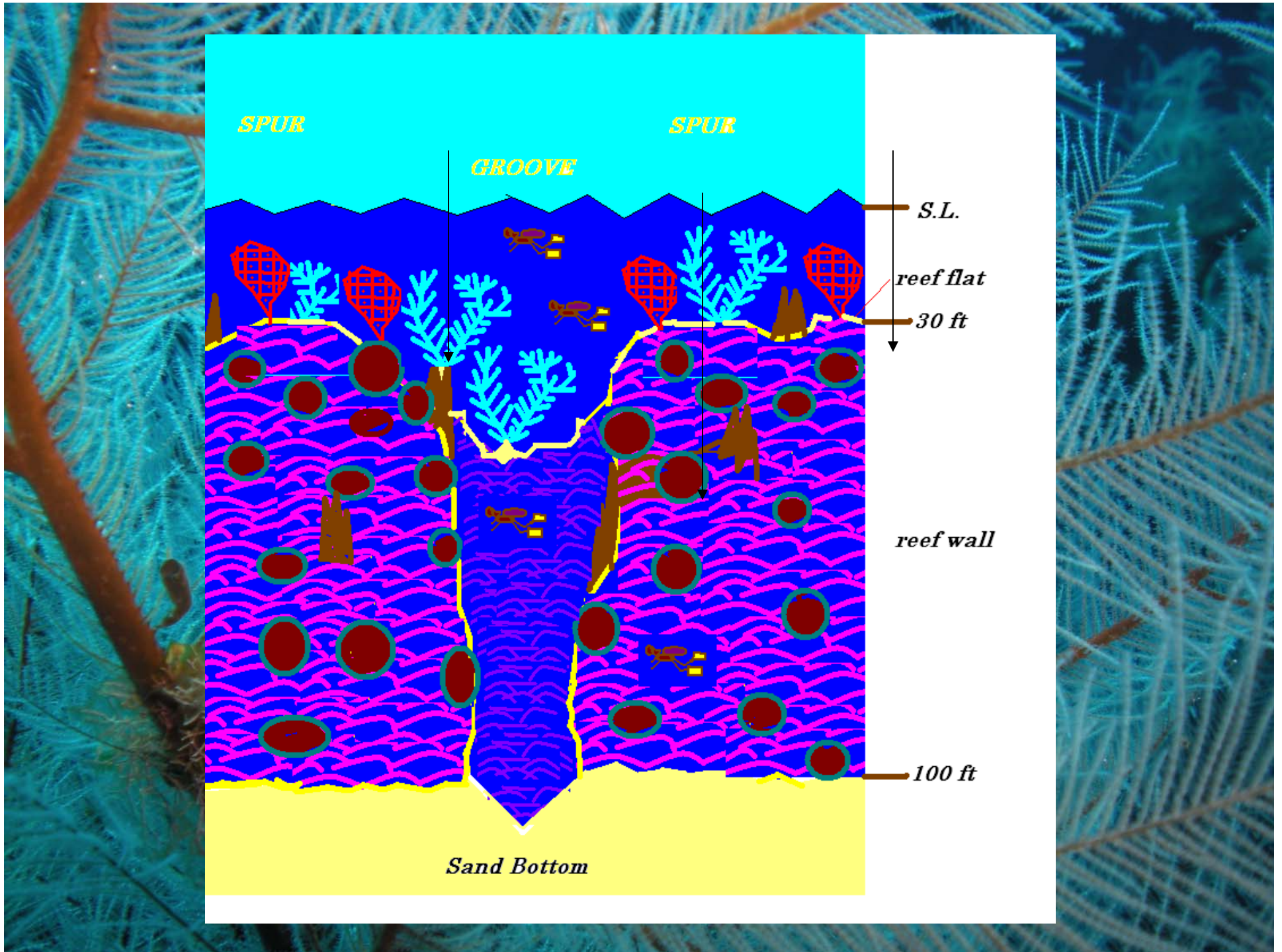
Eye alt 4094 ft



Anthony's Key Resort

Photo by: Cesar Rodas

Spur Groove Spur Groove Spur



Shore Excursion Voucher

M.S. CARNIVAL LEGEND Shipboard
Certified 2 Tank Dive

Roatan Island
14-APR-2011
NON-REFUNDABLE

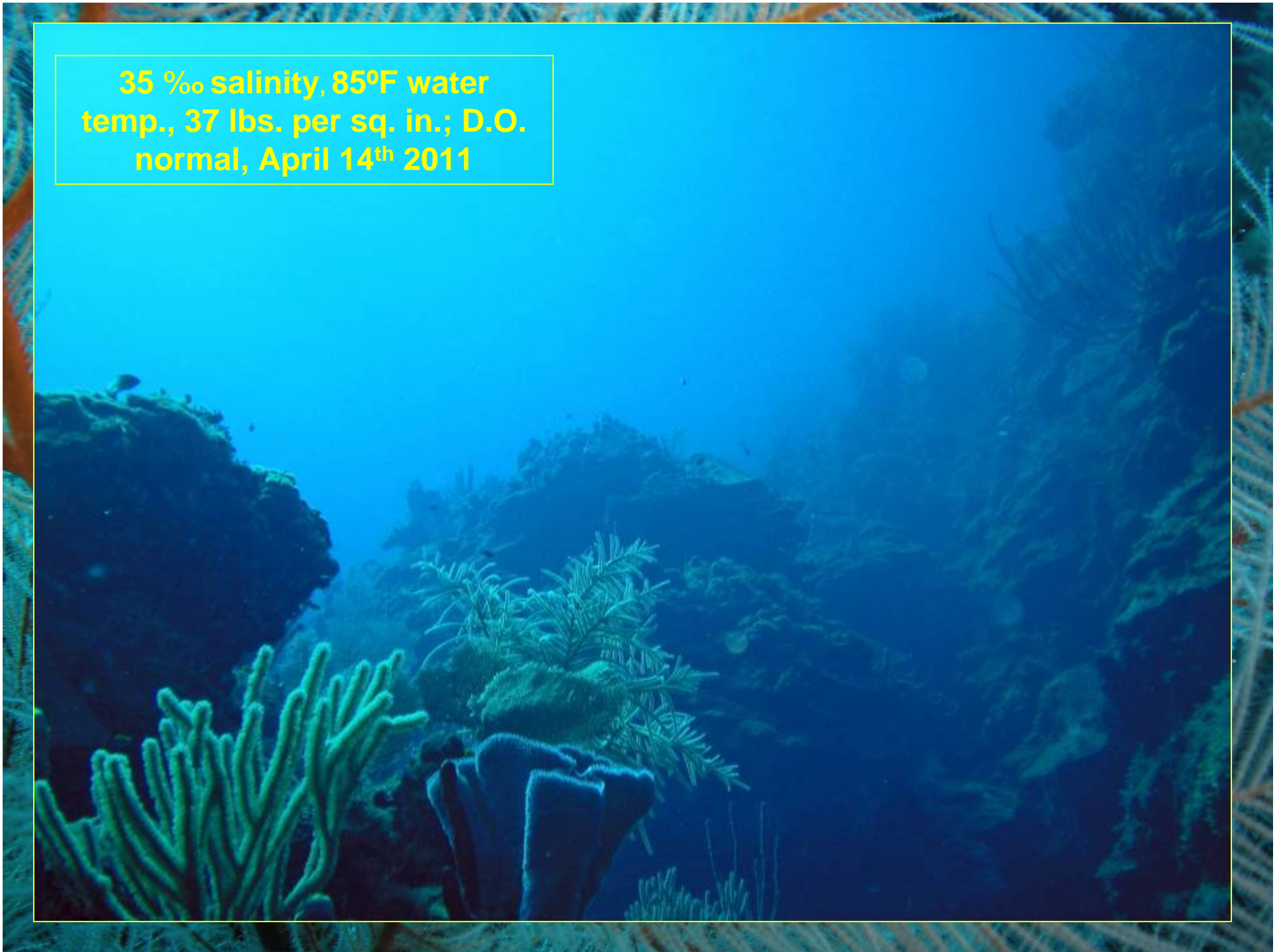
VALID DIVE CERTIFICATION CARD REQUIRED

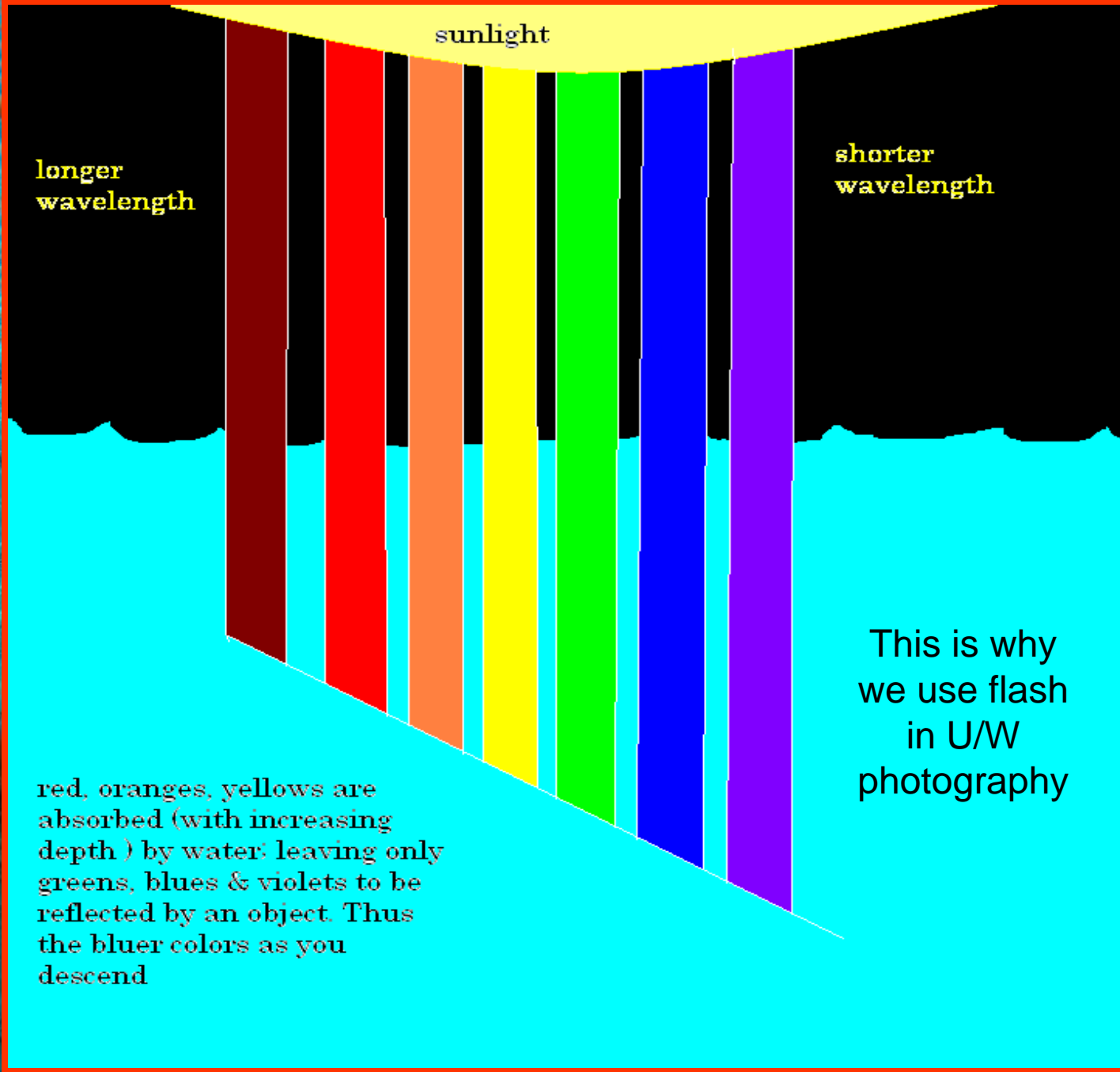
Operated By: Anthony's Key Resort Folio: [REDACTED]
Guest Name: John Baker Cabin: [REDACTED]
Departs From: End of the Pier
Depart Time: 09:15 AM
Excursion #: [REDACTED] Admission Part 1 of 1
Adult LE20110410007

Carnival Carnival Carnival Carnival Carnival



**35 ‰ salinity, 85°F water
temp., 37 lbs. per sq. in.; D.O.
normal, April 14th 2011**



A diagram illustrating light absorption in water. At the top, a yellow arc labeled "sunlight" represents the light source. Below it, a spectrum of colors is shown as vertical bars: red, orange, yellow, green, blue, and purple. The bars are set against a black background. The left side of the spectrum is labeled "longer wavelength" and the right side is labeled "shorter wavelength". The bars are shown to be absorbed by water as they descend, with the longer wavelength colors (red, orange, yellow) being absorbed first, leaving the shorter wavelength colors (green, blue, purple) to be reflected. The background of the diagram is a blue and white pattern of coral or seaweed.

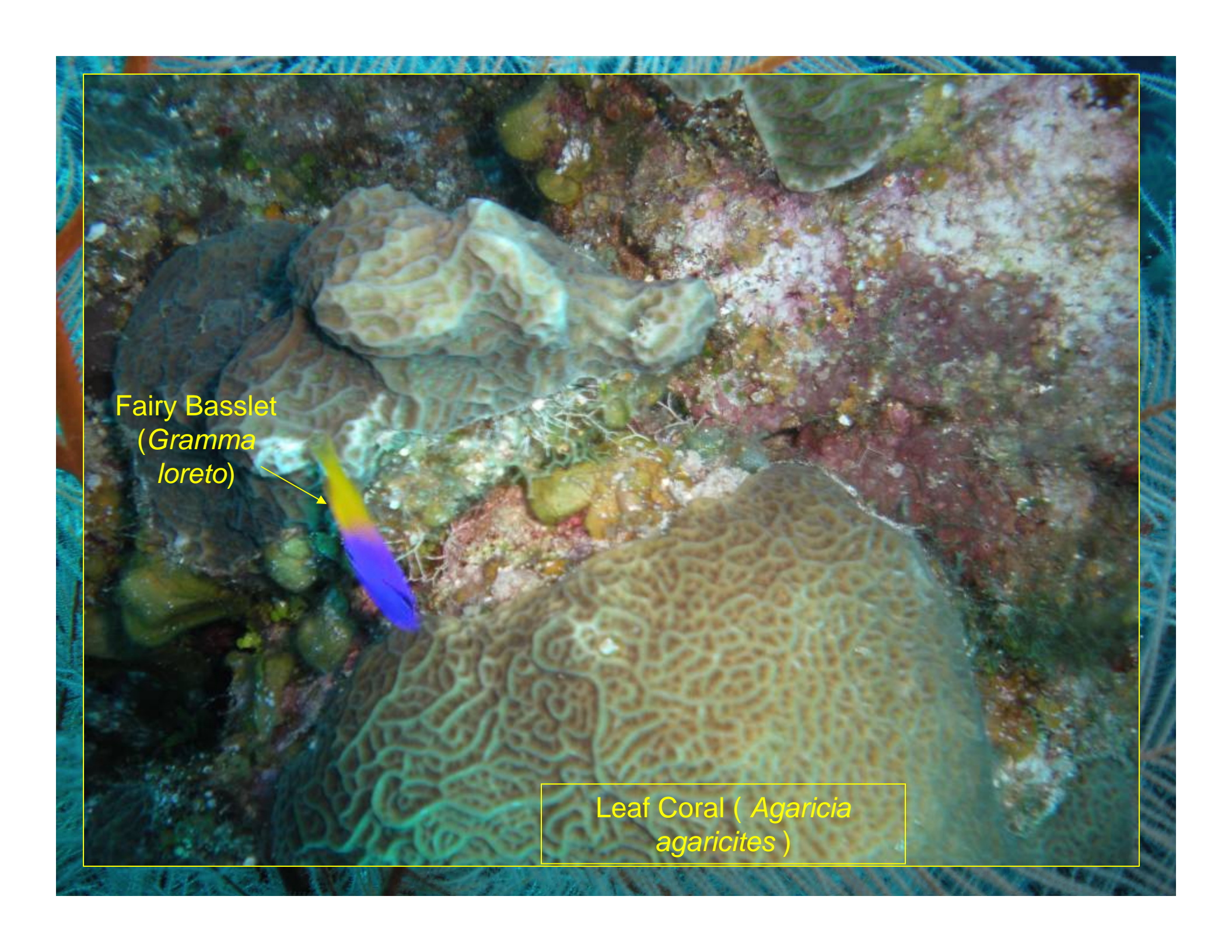
sunlight

longer
wavelength

shorter
wavelength

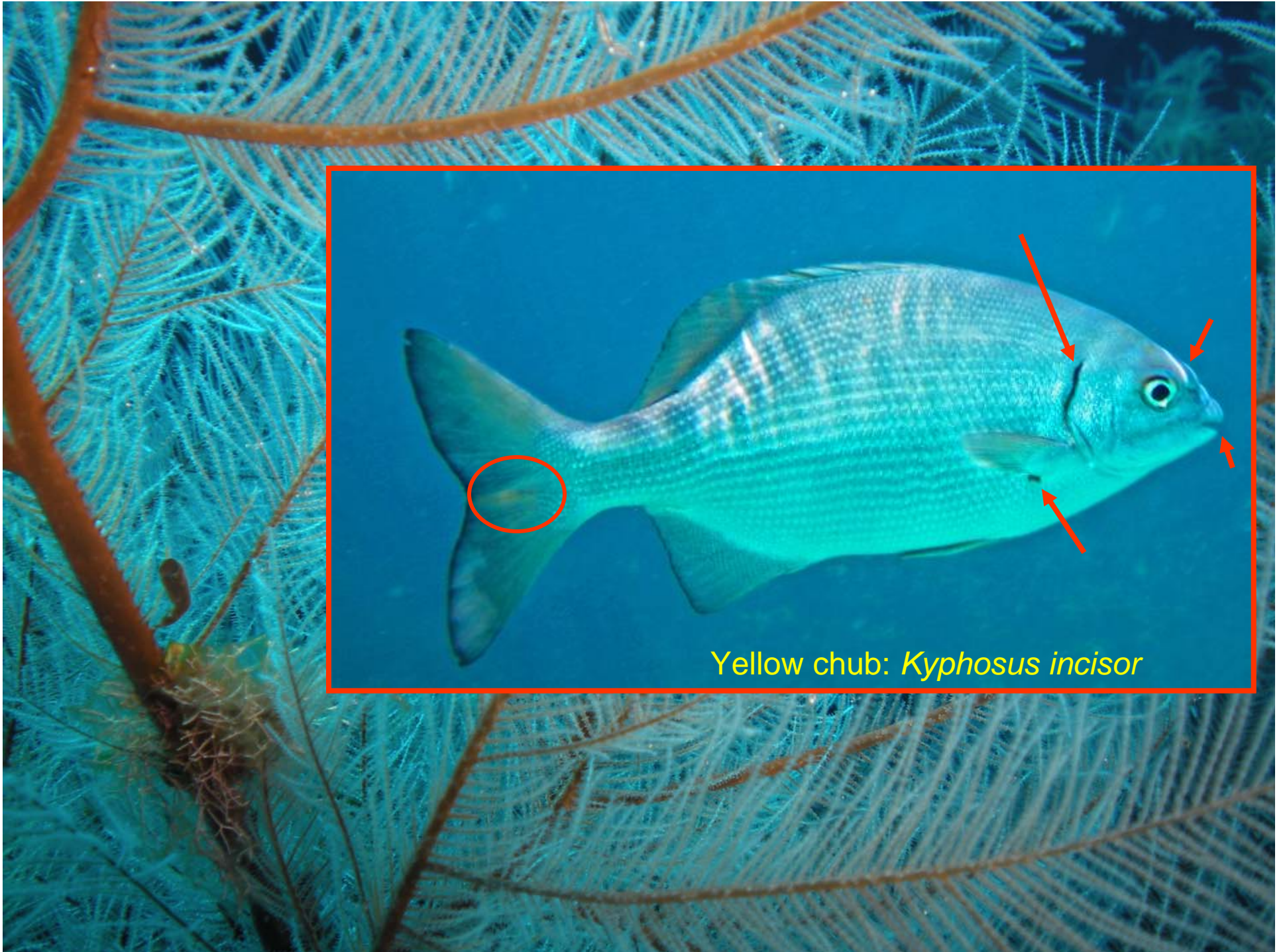
red, oranges, yellows are
absorbed (with increasing
depth) by water; leaving only
greens, blues & violets to be
reflected by an object. Thus
the bluer colors as you
descend

This is why
we use flash
in U/W
photography

An underwater photograph showing a Fairy Basslet (Gramma loreto) swimming near a large, flat, brain-like coral structure (Leaf Coral, Agaricia agaricites). The fish has a yellow body with a blue tail. The coral has a complex, maze-like pattern of ridges and valleys. The background is a dark, rocky seabed with some other coral and algae.

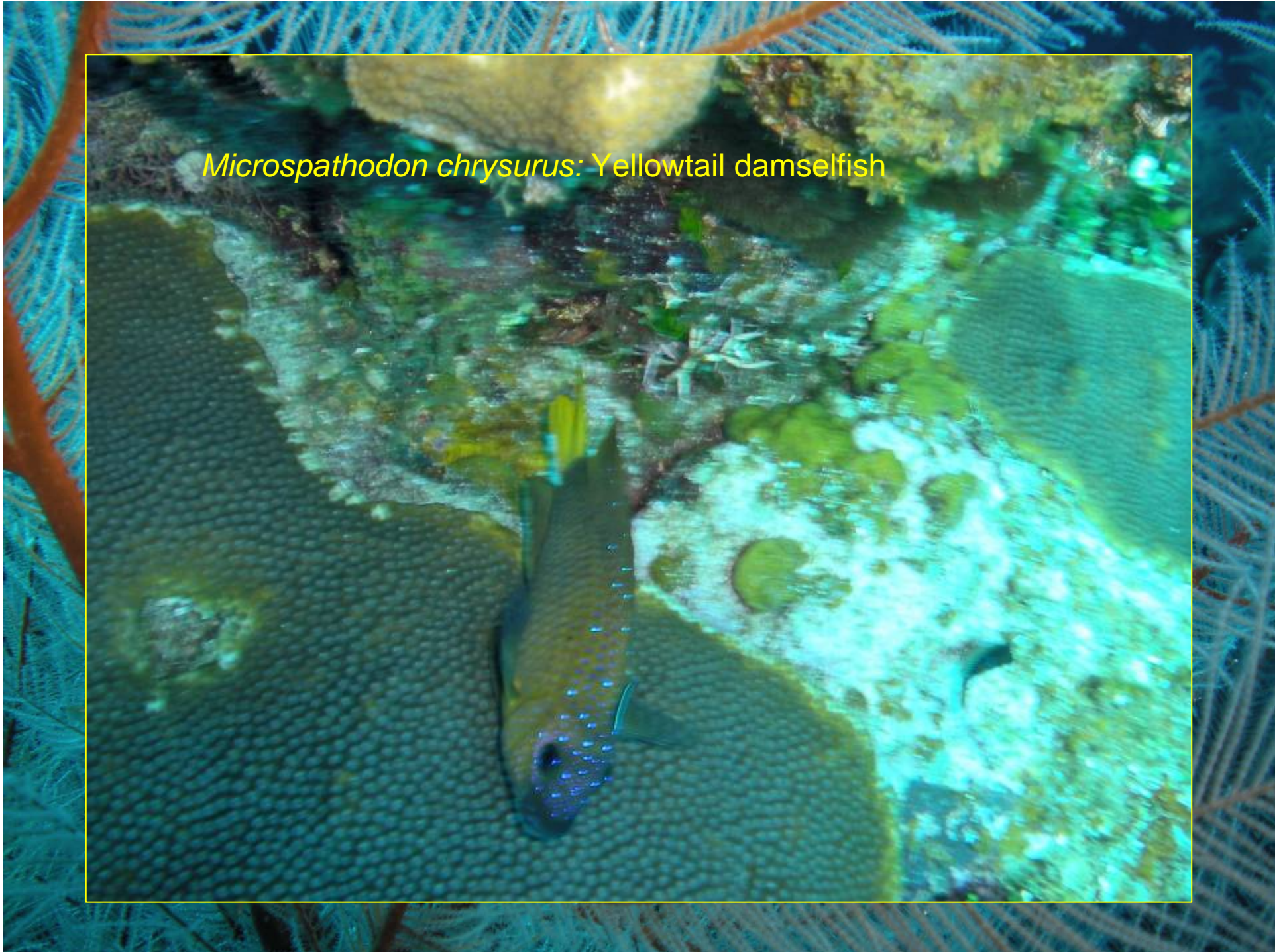
Fairy Basslet
(*Gramma
loreto*)

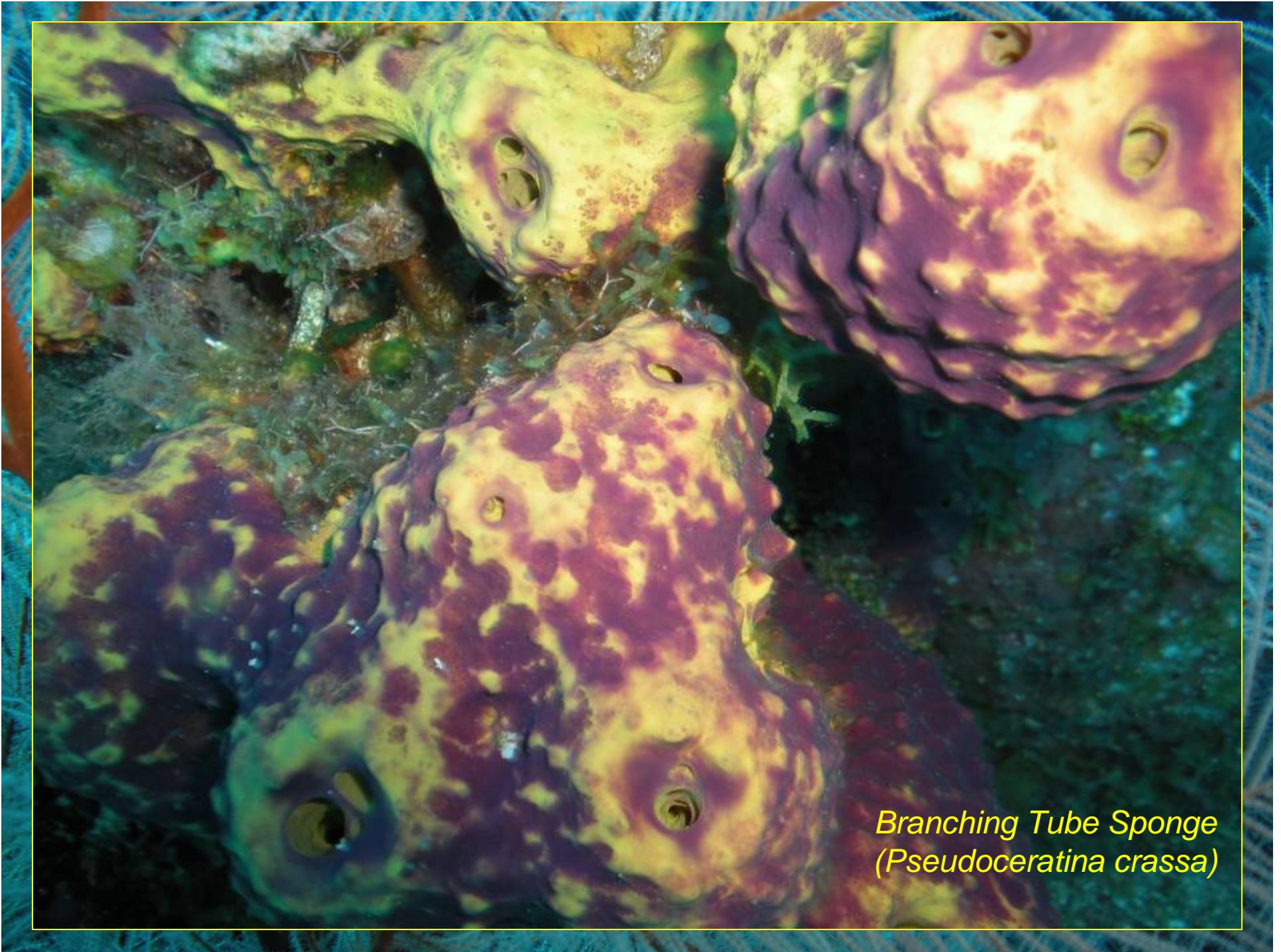
Leaf Coral (*Agaricia
agaricites*)



Yellow chub: *Kyphosus incisor*

Microspathodon chrysurus: Yellowtail damselfish

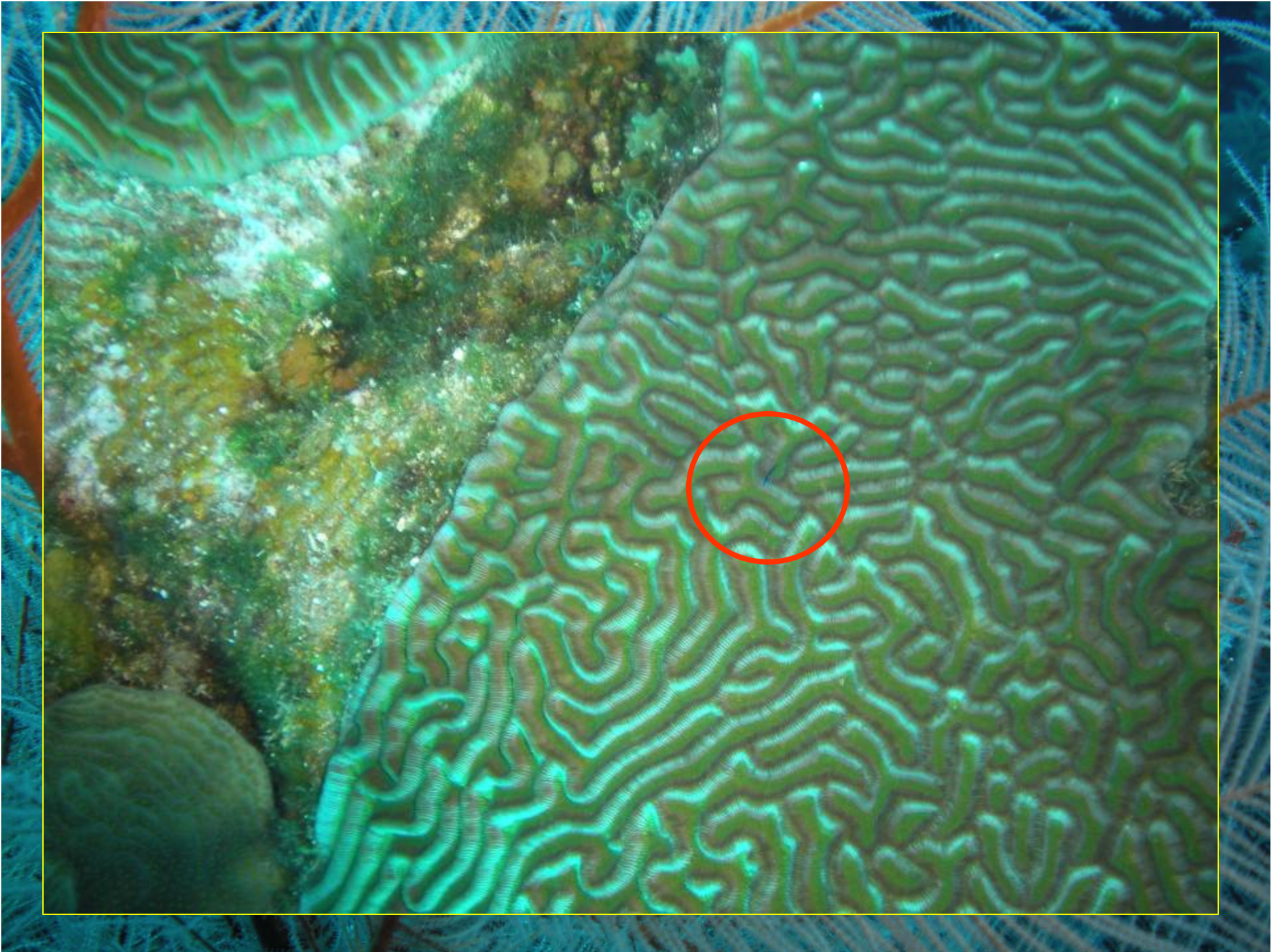




*Branching Tube Sponge
(Pseudoceratina crassa)*

Pink Vase Sponge
(*Niphates digitalis*)

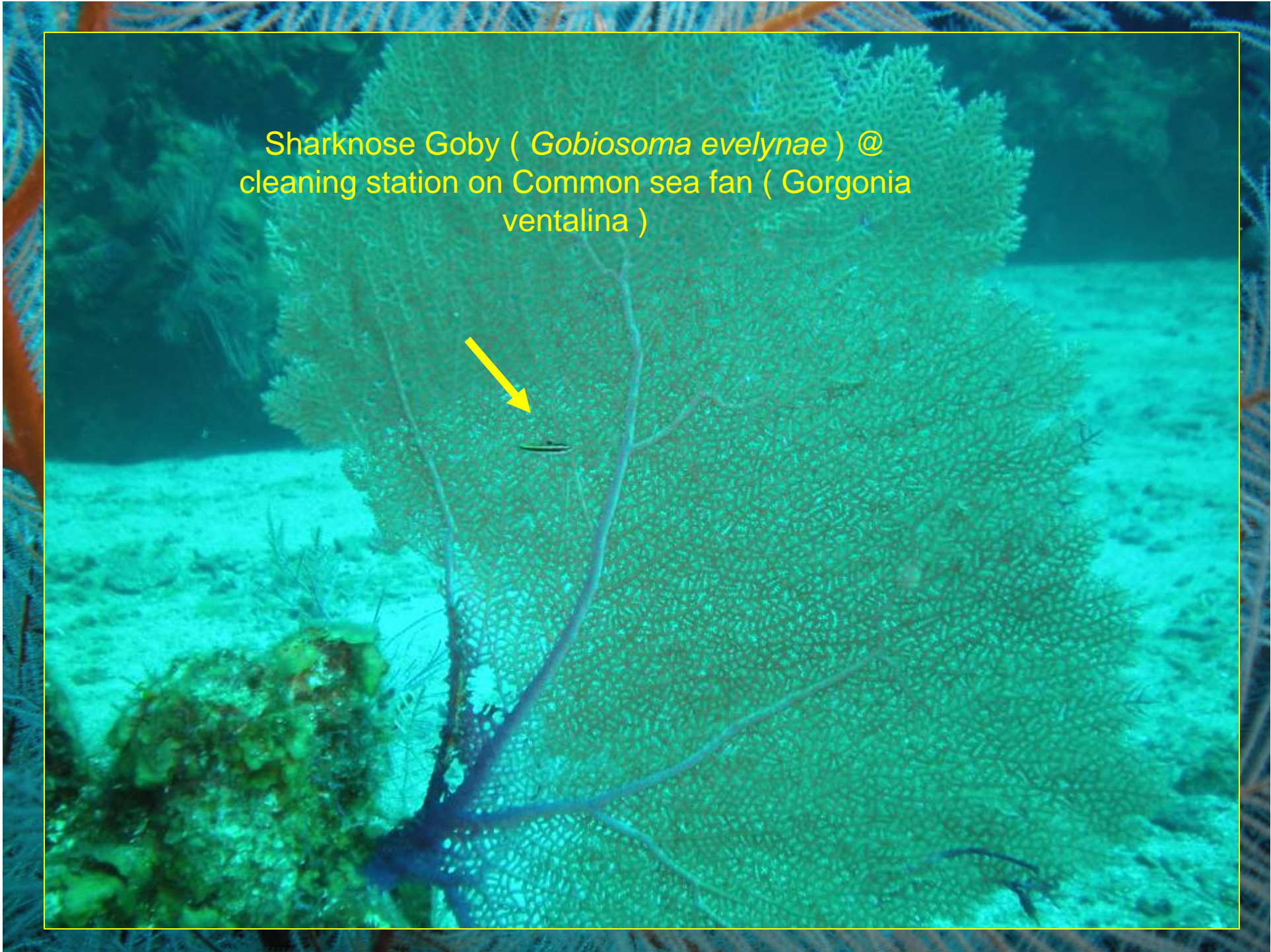


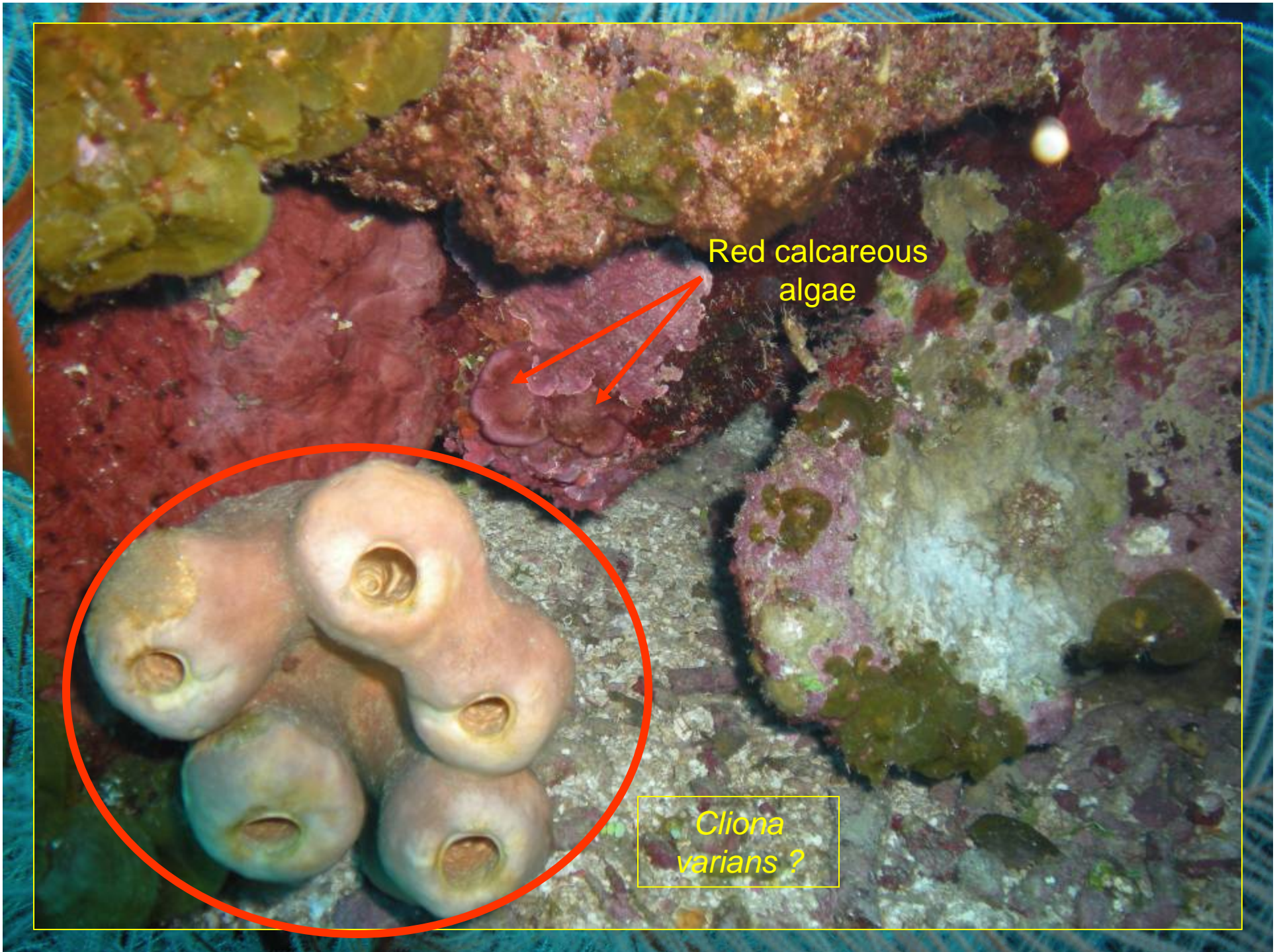


Neon Goby (*Gobiosoma oceanops*) @ cleaning station
on brain coral




Sharknose Goby (*Gobiosoma evelynae*) @
cleaning station on Common sea fan (*Gorgonia*
ventalina)



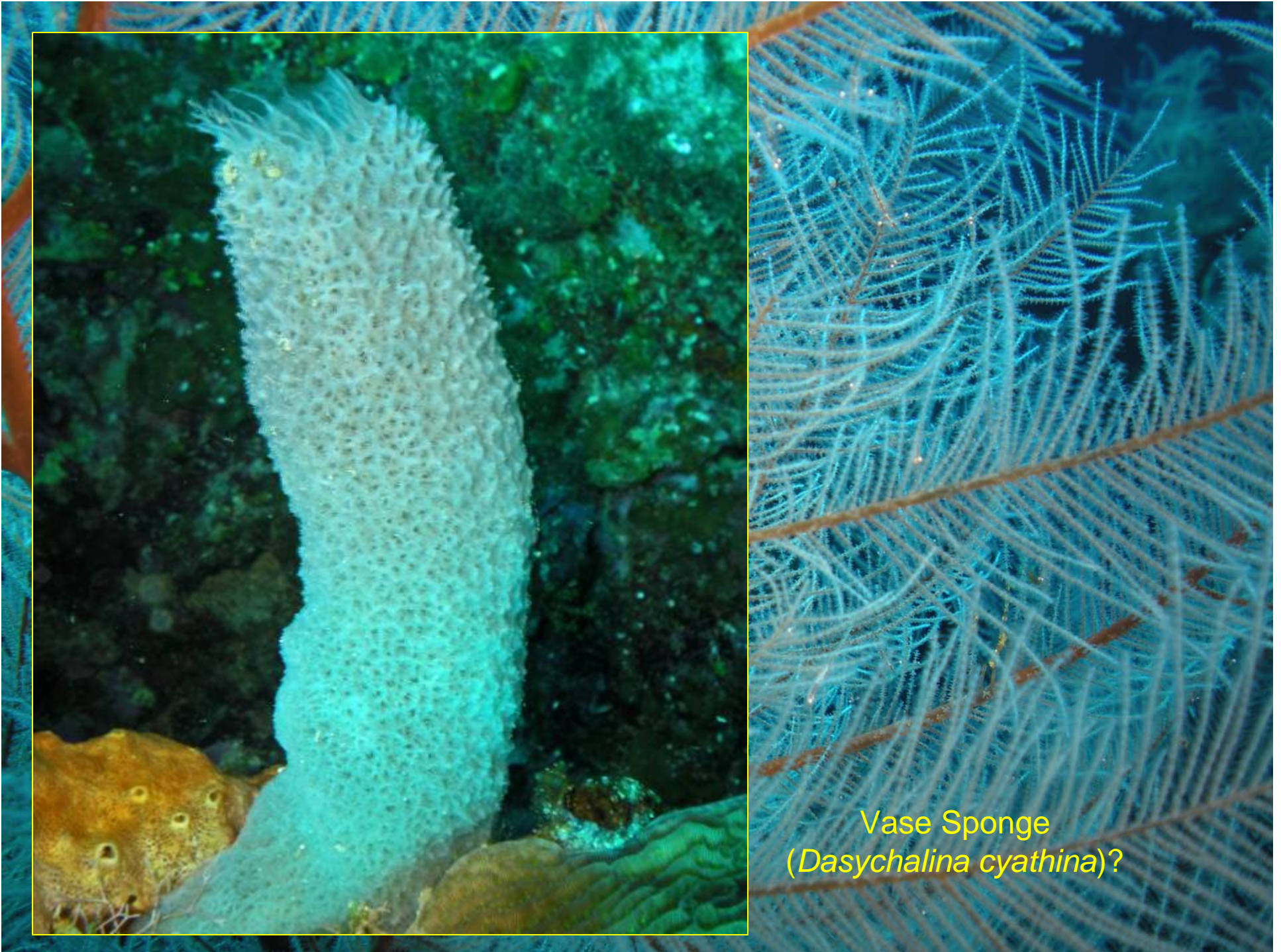


Red calcareous
algae

*Cliona
varians ?*

A close-up photograph of a corky sea finger (Briareum asbestinum) on a coral reef. The central focus is a cluster of expanded polyps, which are numerous, thin, and translucent, giving them a feathery appearance. The polyps are densely packed and extend outwards from a central point. The background is a blurred view of the surrounding coral reef, showing other branching coral structures in shades of blue and green. The lighting is bright, highlighting the delicate texture of the polyps.

Octocoral: Corky sea
finger (*Briareum
asbestinum*) close
up of expanded
polyps



Vase Sponge
(*Dasychalina cyathina*)?

Flower Coral (*Eusmilia fastigiata*)

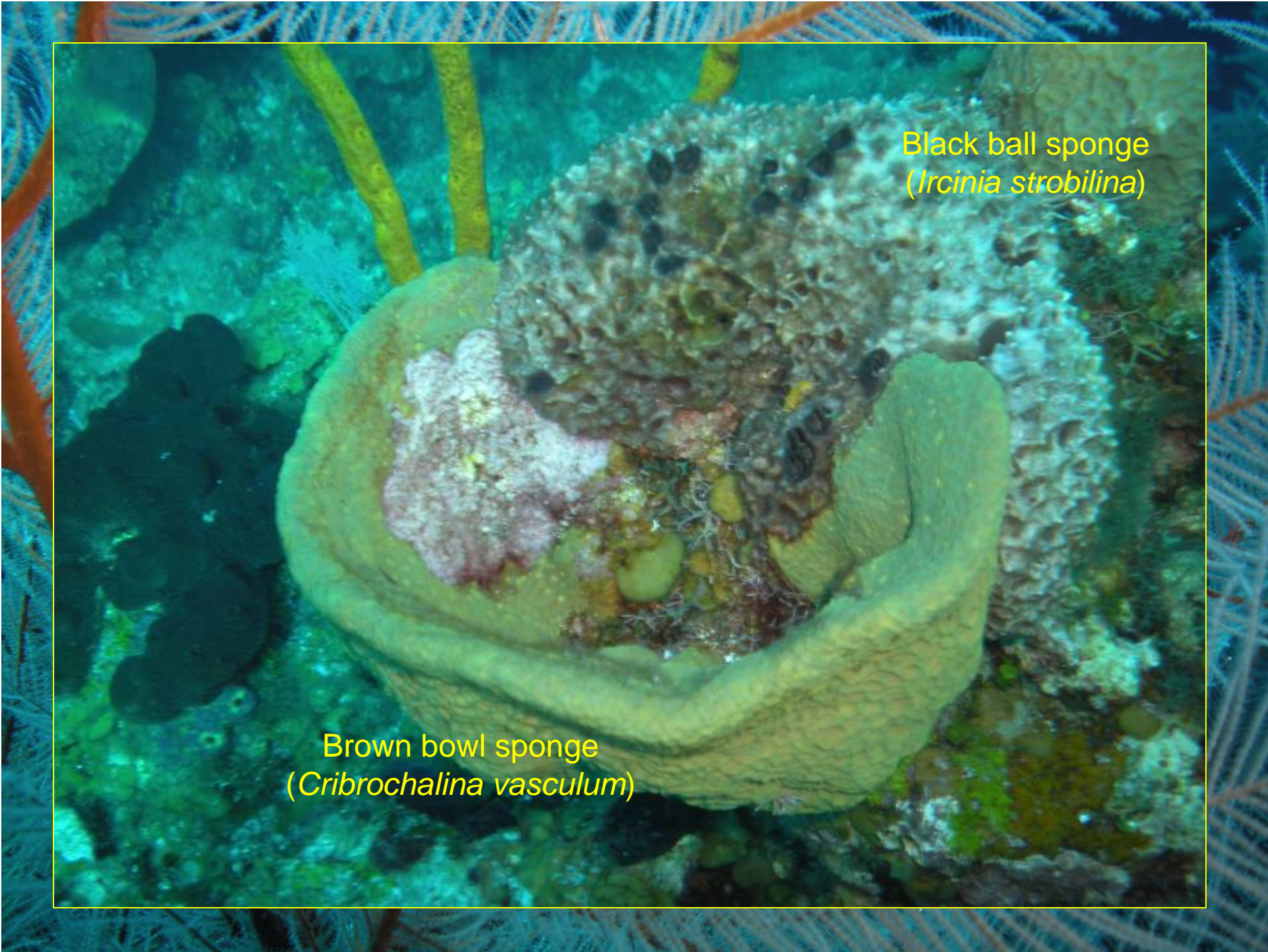




Longspine squirrelfish
(*Holocentrus rufus*)



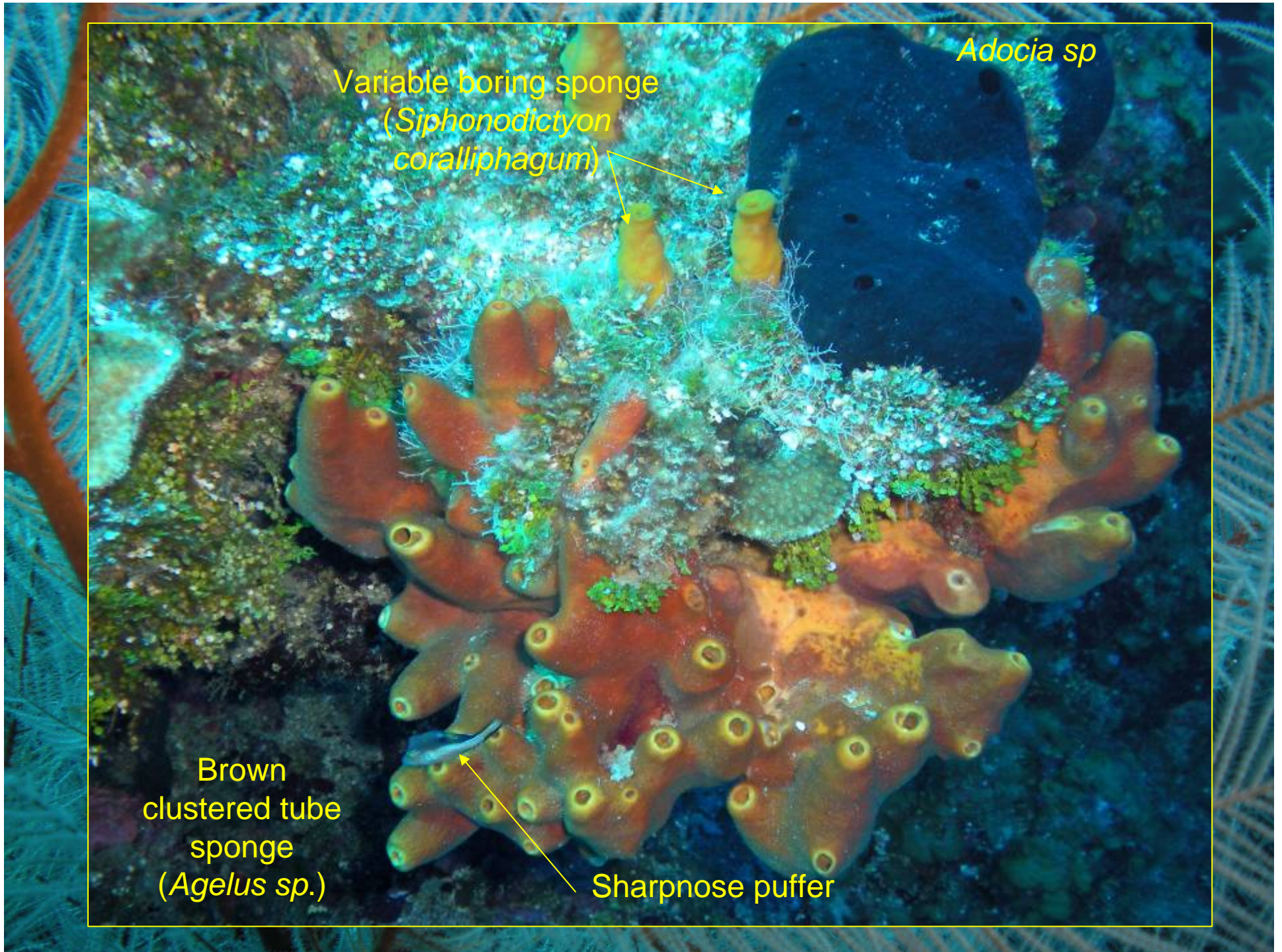
Black durgelon (*Melichthys niger*)



Black ball sponge
(*Ircinia strobilina*)

The image shows an underwater scene with two prominent sponges. In the foreground, a large, bowl-shaped sponge with a textured, yellowish-brown surface is visible. It has a central opening and is surrounded by other marine life, including a dark, leafy sponge to its left and a white, porous sponge to its right. The background is filled with various types of coral and other reef structures, creating a complex and colorful environment. The lighting is somewhat dim, typical of an underwater setting.

Brown bowl sponge
(*Cribrochalina vasculum*)



Adocia sp

Variable boring sponge
(*Siphonodictyon
coralliphagum*)

Brown
clustered tube
sponge
(*Agelus sp.*)

Sharpnose puffer



Sea Rod (*Eunicia* sp.)

Blue Tang (*Acanthurus coeruleus*)



Massive leaf coral: *Agaricia
agaricites danai*



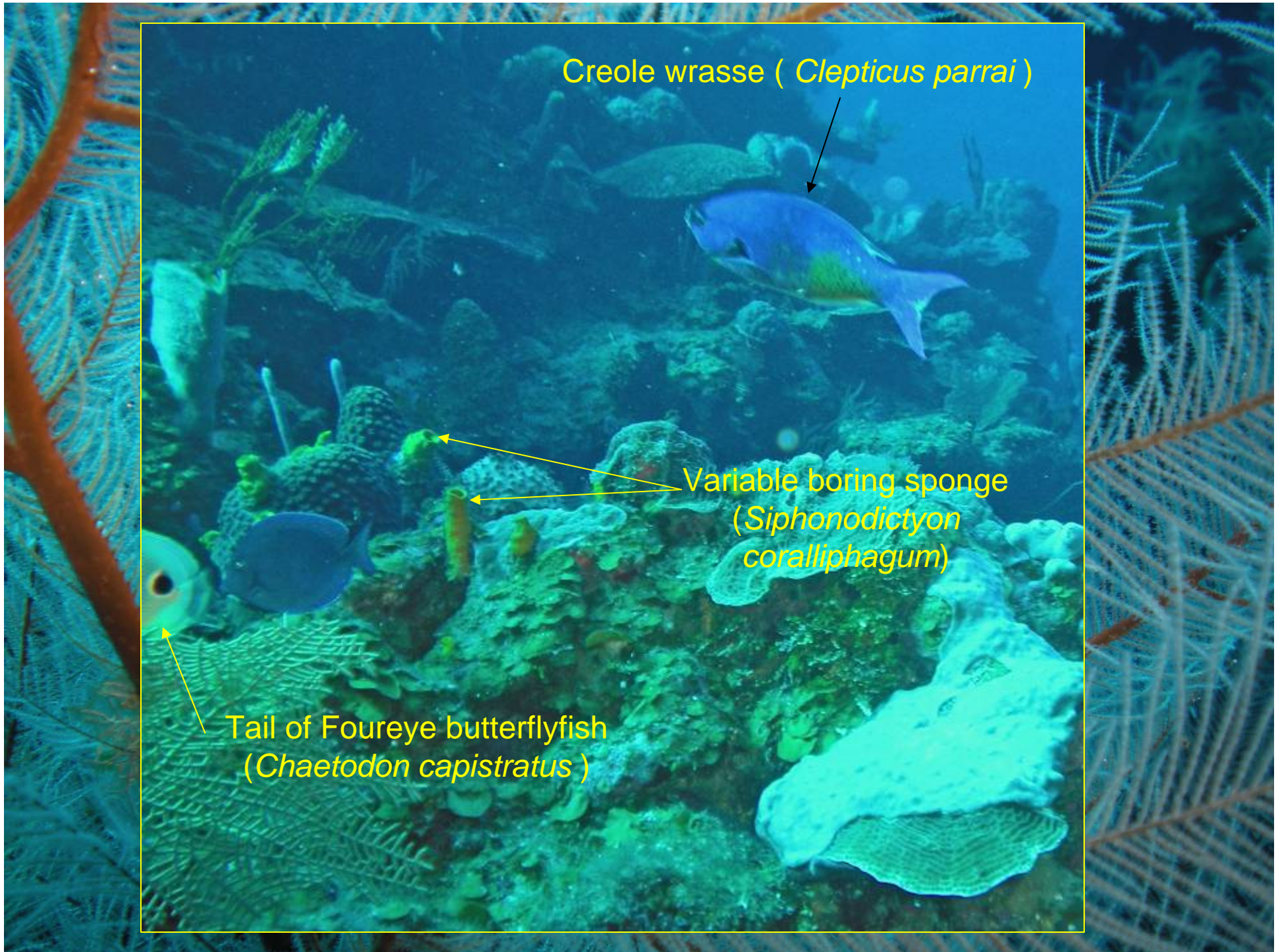


Blue Tang (*Acanthurus
coeruleus*)

Creole wrasse (*Clepticus parrai*)

Variable boring sponge
(*Siphonodictyon
coralliphagum*)

Tail of Foureye butterflyfish
(*Chaetodon capistratus*)

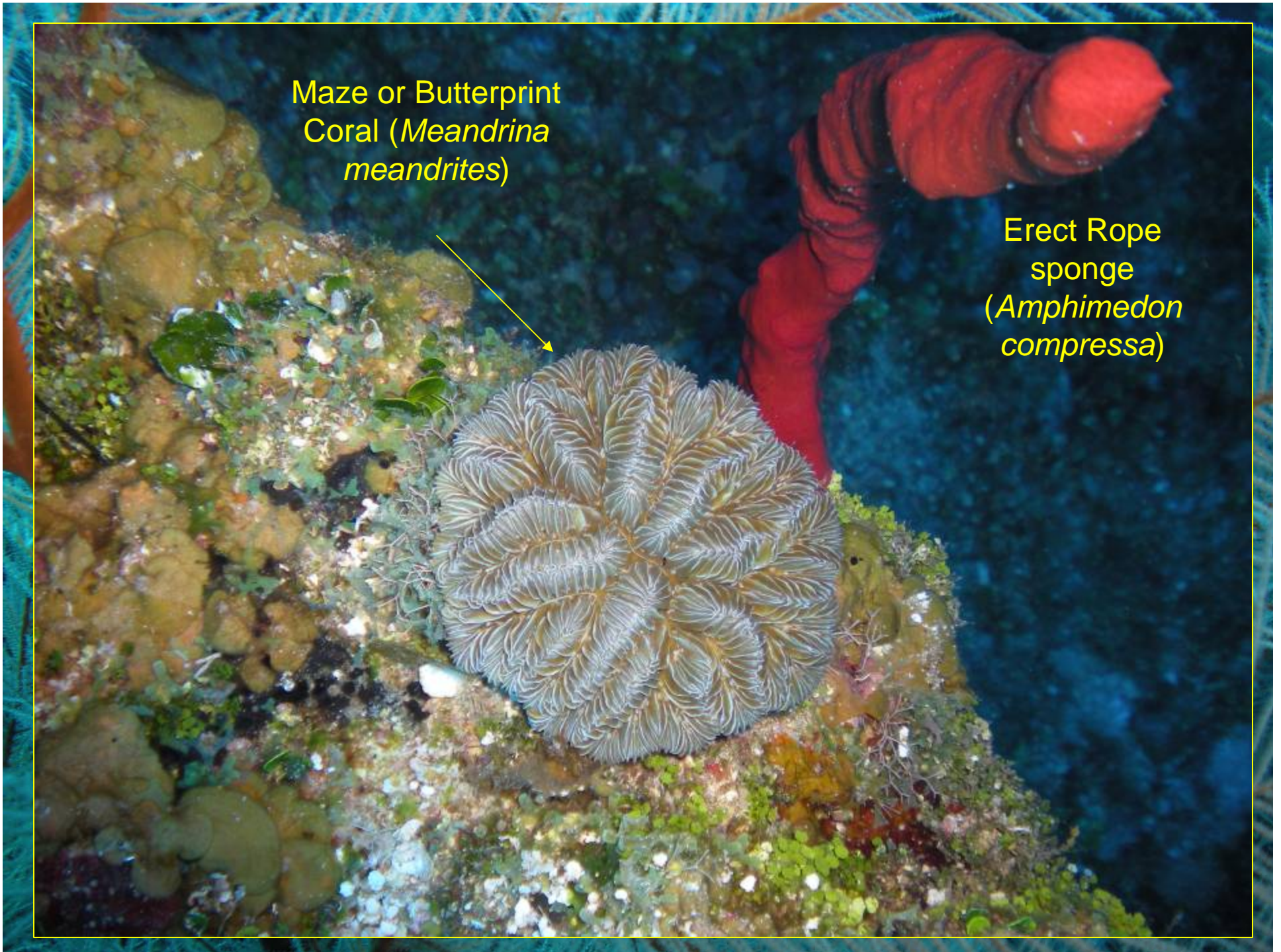




Vase Sponge
(*Dasychalina cyathina*)?

Maze or Butterprint
Coral (*Meandrina
meandrites*)

Erect Rope
sponge
(*Amphimedon
compressa*)





Spotted drum (*Equetus punctatus*) intermediate stage, top view

Elongate dorsal curves backward



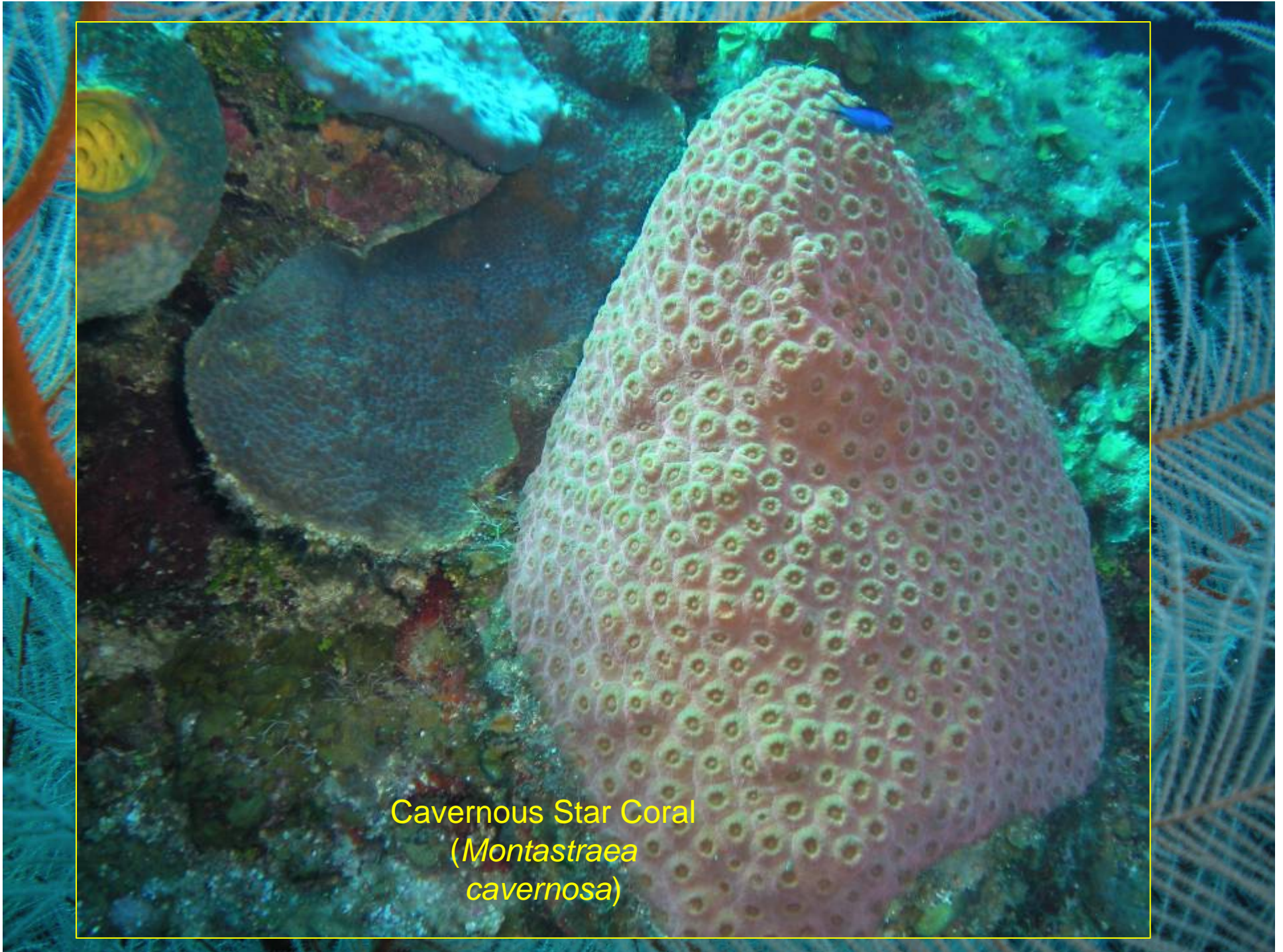




Maze or Butterprint Coral
(*Meandrina meandrites*)



Porites sp.



Cavernous Star Coral
(*Montastraea
cavernosa*)



Cavernous Star Coral
(*Montastraea
cavernosa*)



Cavernous Star Coral
(*Montastraea
cavernosa*)



Longjaw
squirrelfish
(*Holocentrus
marianus*)

Erect Rope sponge (*Amphimedon compressa*)



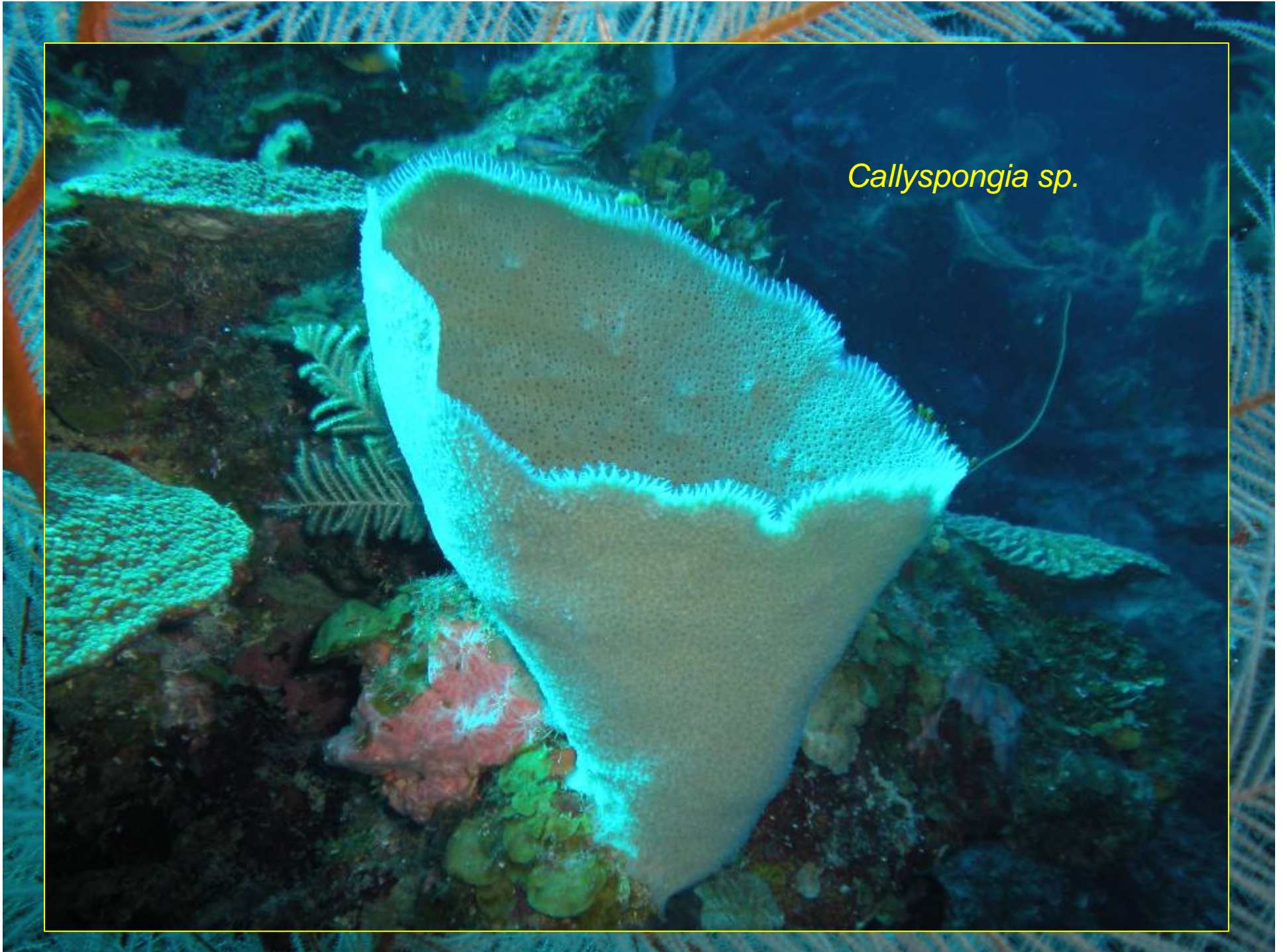


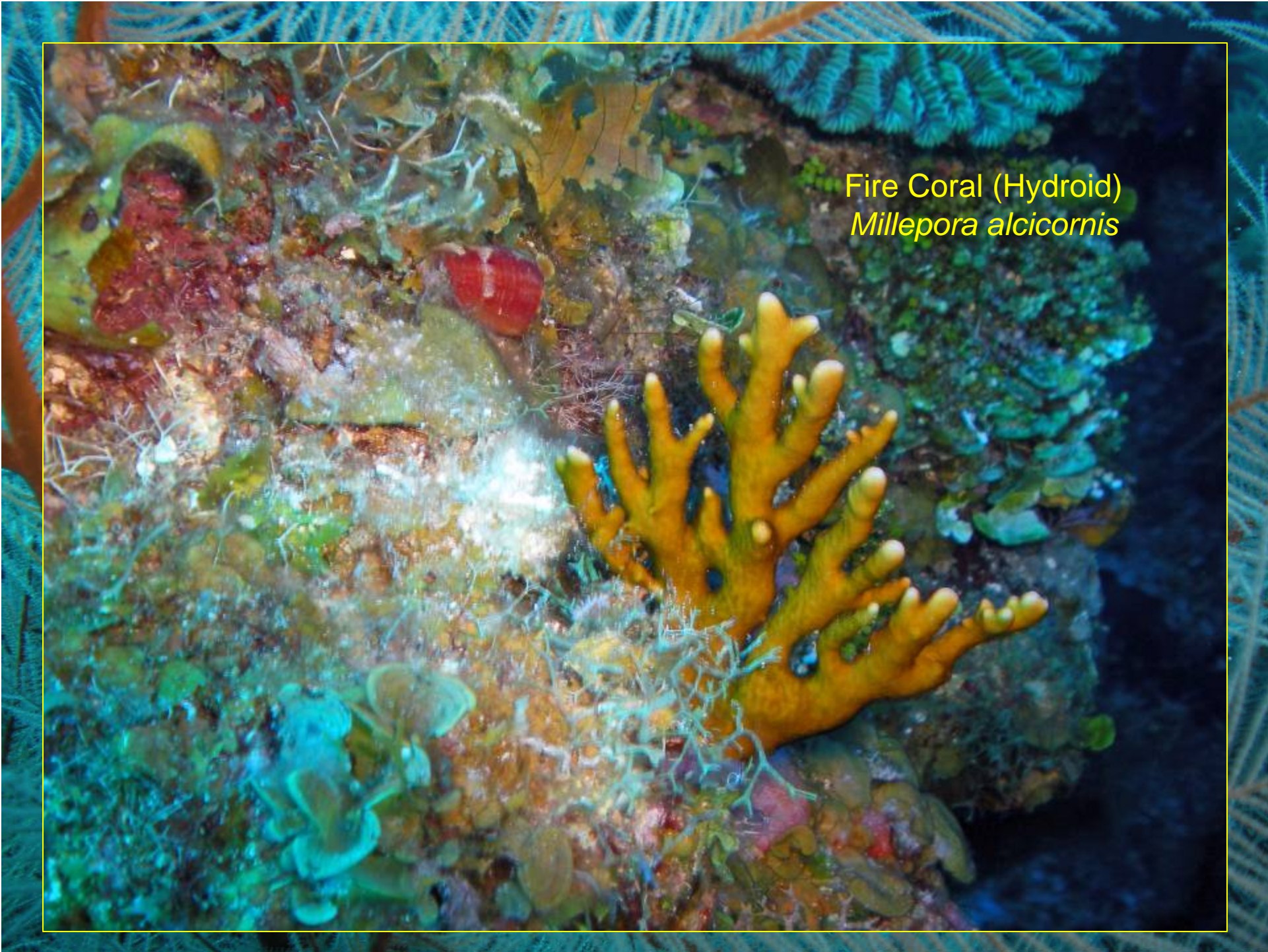
Convoluted Barrel sponge
(*Aplysina lacunosa*)

A school of Creole wrasse (Clepticus parrai) swimming in a coral reef environment. The fish are characterized by their vibrant blue coloration and are seen swimming in a loose formation. The background features a complex coral reef structure with various types of coral, including branching and table corals, in shades of brown and orange. The water is clear, allowing for a detailed view of the fish and the reef.

Creole wrasse (*Clepticus parrai*)

Callyspongia sp.



An underwater photograph showing a colony of Fire Coral (Hydroid) *Millepora alcicornis*. The coral is a bright yellowish-orange color and has a branching, finger-like structure. It is surrounded by various other marine life, including green and brown algae, a red sea slug, and a white, branching hydroid. The background is dark blue, suggesting a deep or shaded underwater environment.

Fire Coral (Hydroid)
Millepora alcicornis



Green calcareous algae
(*Halimeda* sp.)

Cactus coral (*Mycetophyllia* sp.)

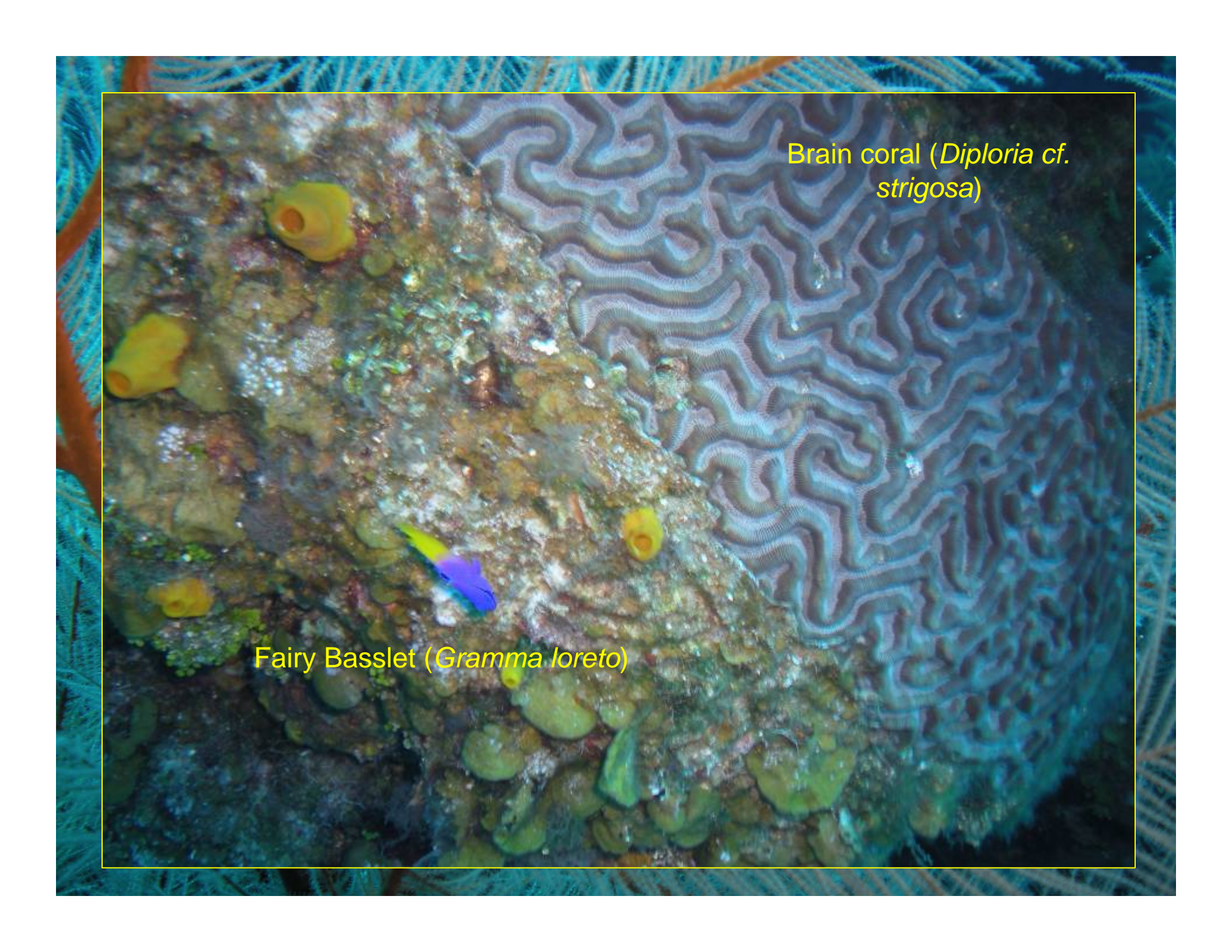




Spur

Groove

Spur

A photograph of a coral reef. On the right side, there is a large, flat, brain-like coral with a complex, maze-like pattern of ridges and grooves. To the left of this coral, there is a smaller, more textured area of the reef. A small, colorful fish, the Fairy Basslet, is swimming in the water just above this textured area. The background shows more of the reef structure, including some greenish-yellow sponges and other coral fragments. The lighting is somewhat dim, typical of an underwater environment.

Brain coral (*Diploria cf. strigosa*)

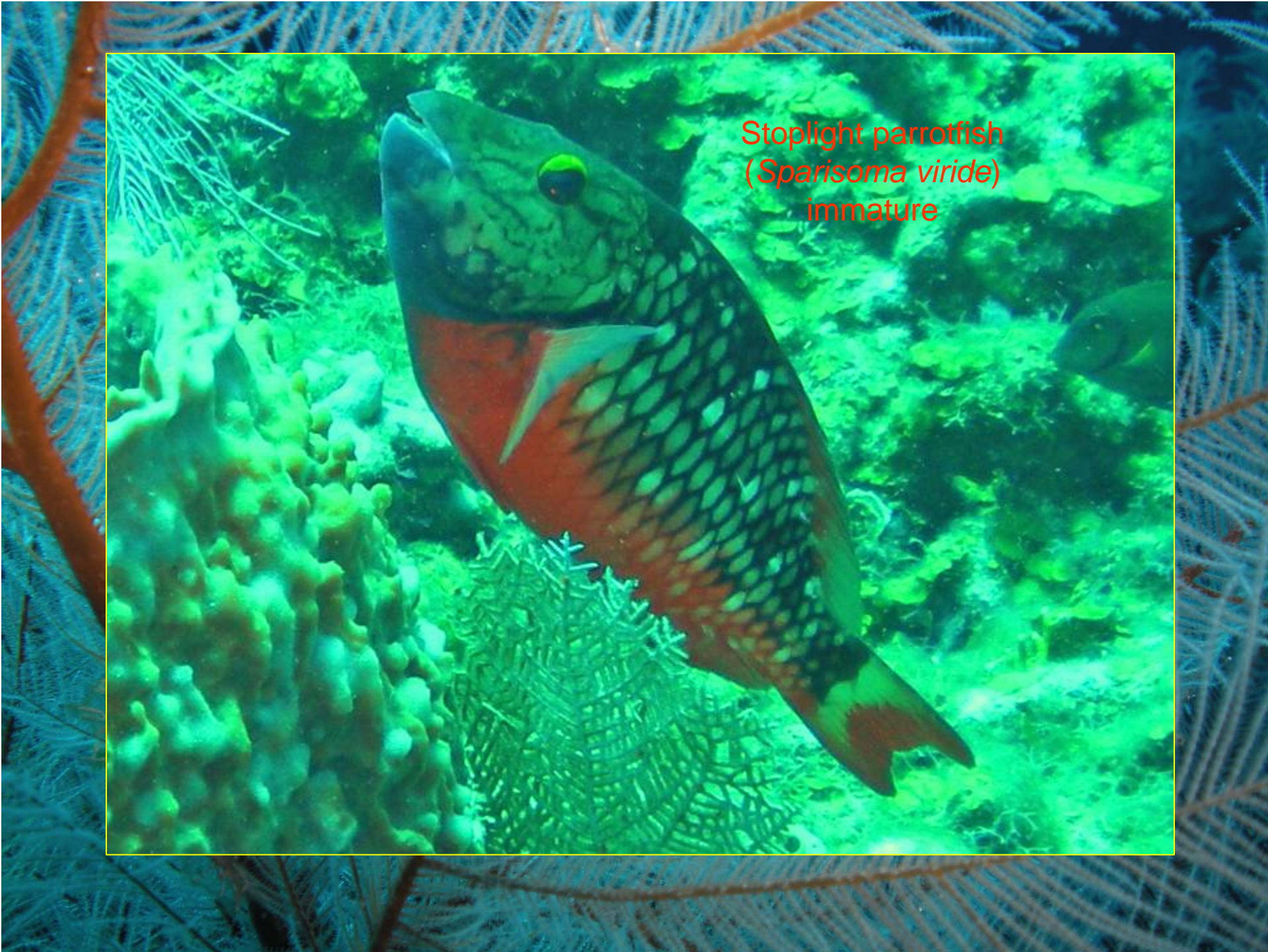
Fairy Basslet (*Gramma loreto*)



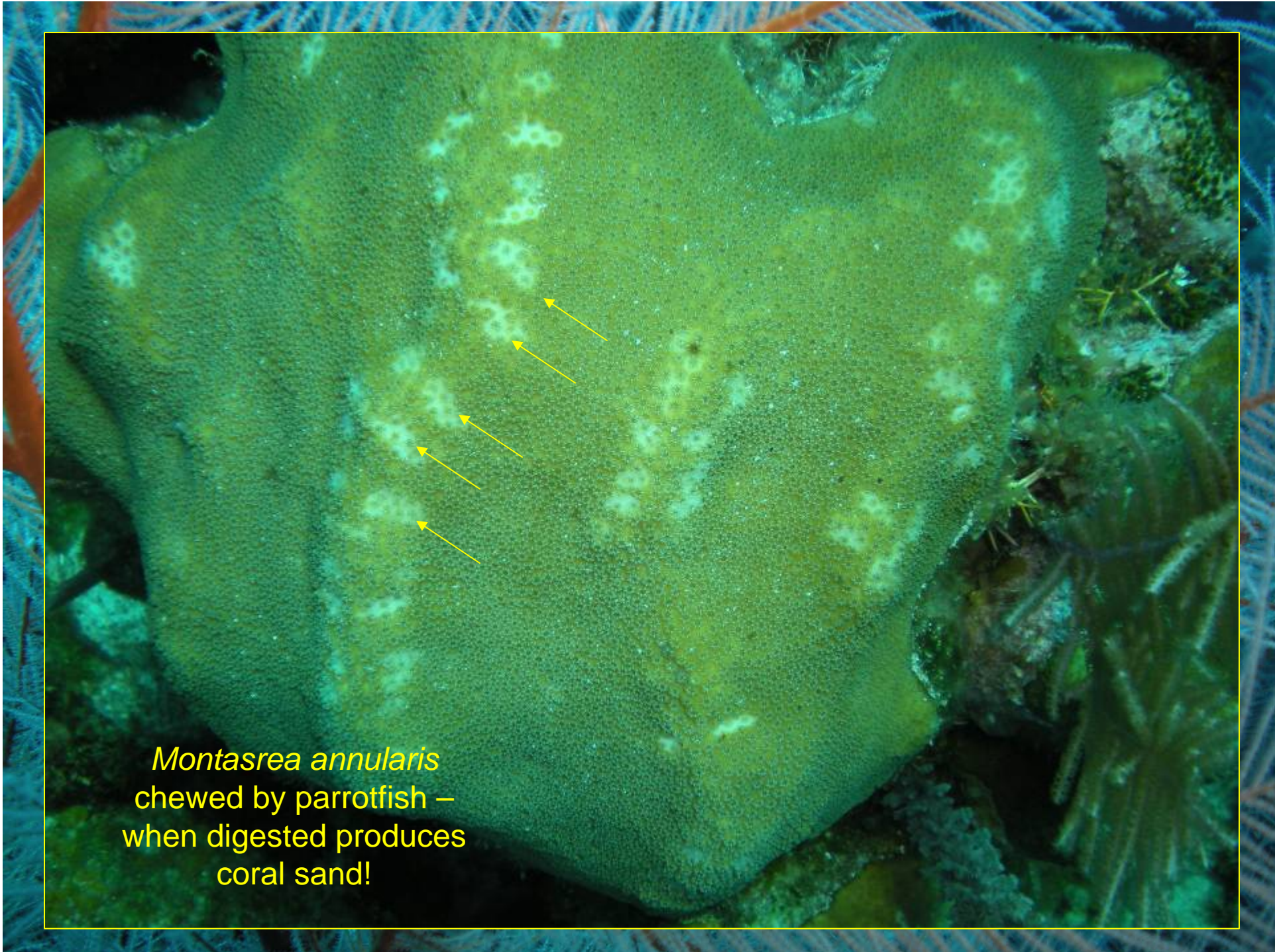
Stoplight parrotfish
(*Sparisoma viride*) mature



Stoplight parrotfish
(*Sparisoma viride*) mature



Stoplight parrotfish
(*Sparisoma viride*)
immature

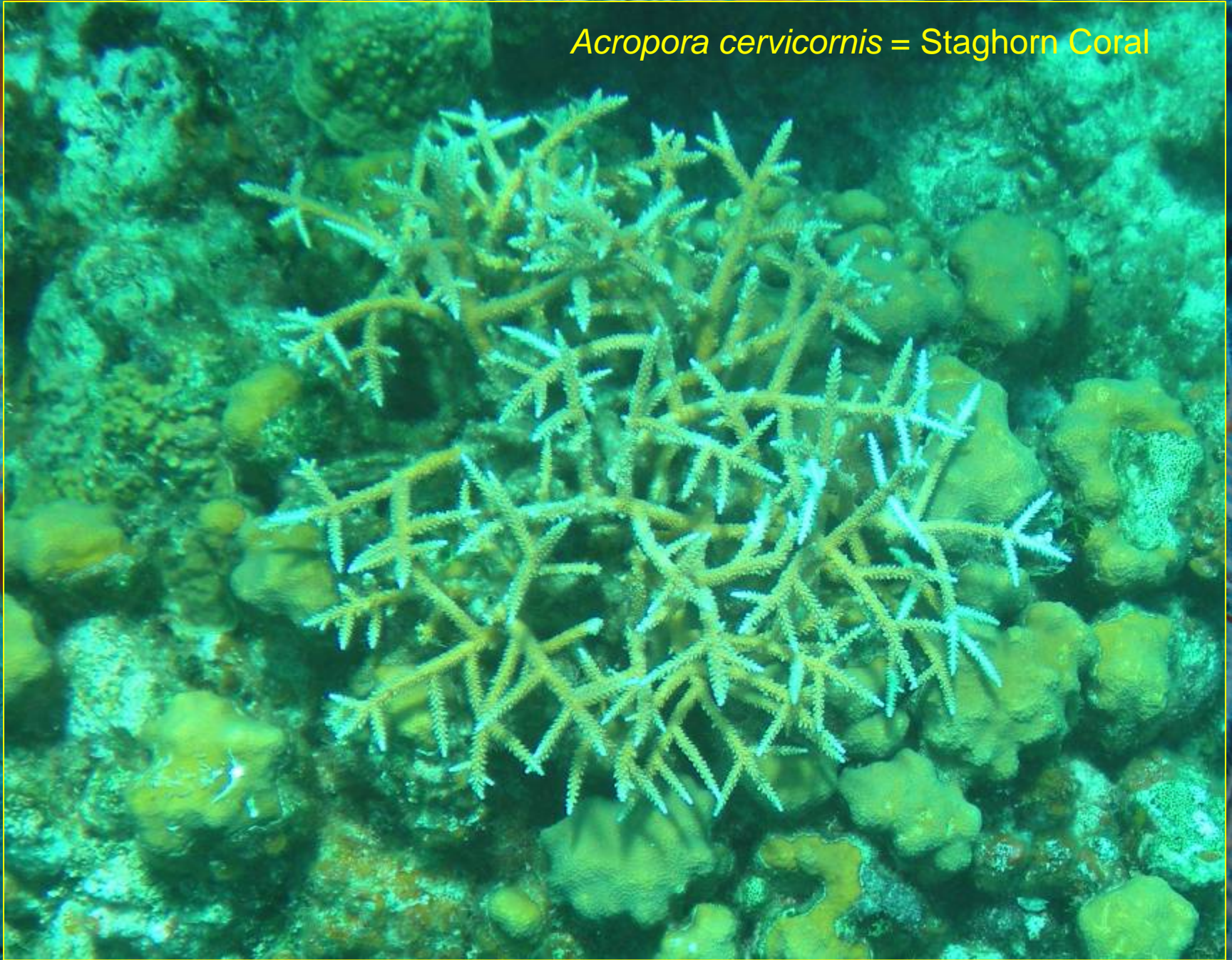


Montasrea annularis
chewed by parrotfish –
when digested produces
coral sand!

Sea Plume
(*Pseudopterygorgia sp.*)



Acropora cervicornis = Staghorn Coral



Videographer



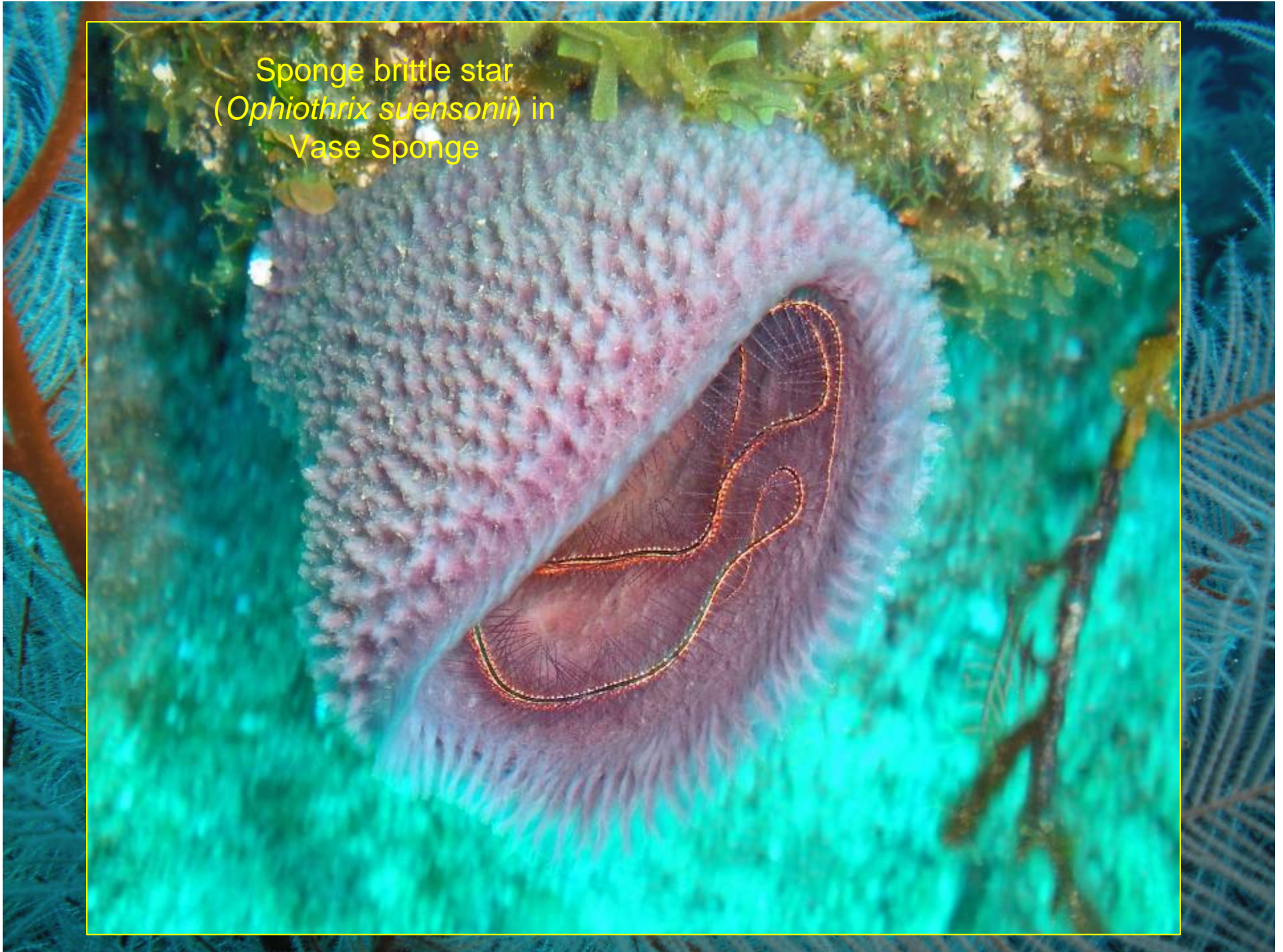
Me getting videoed

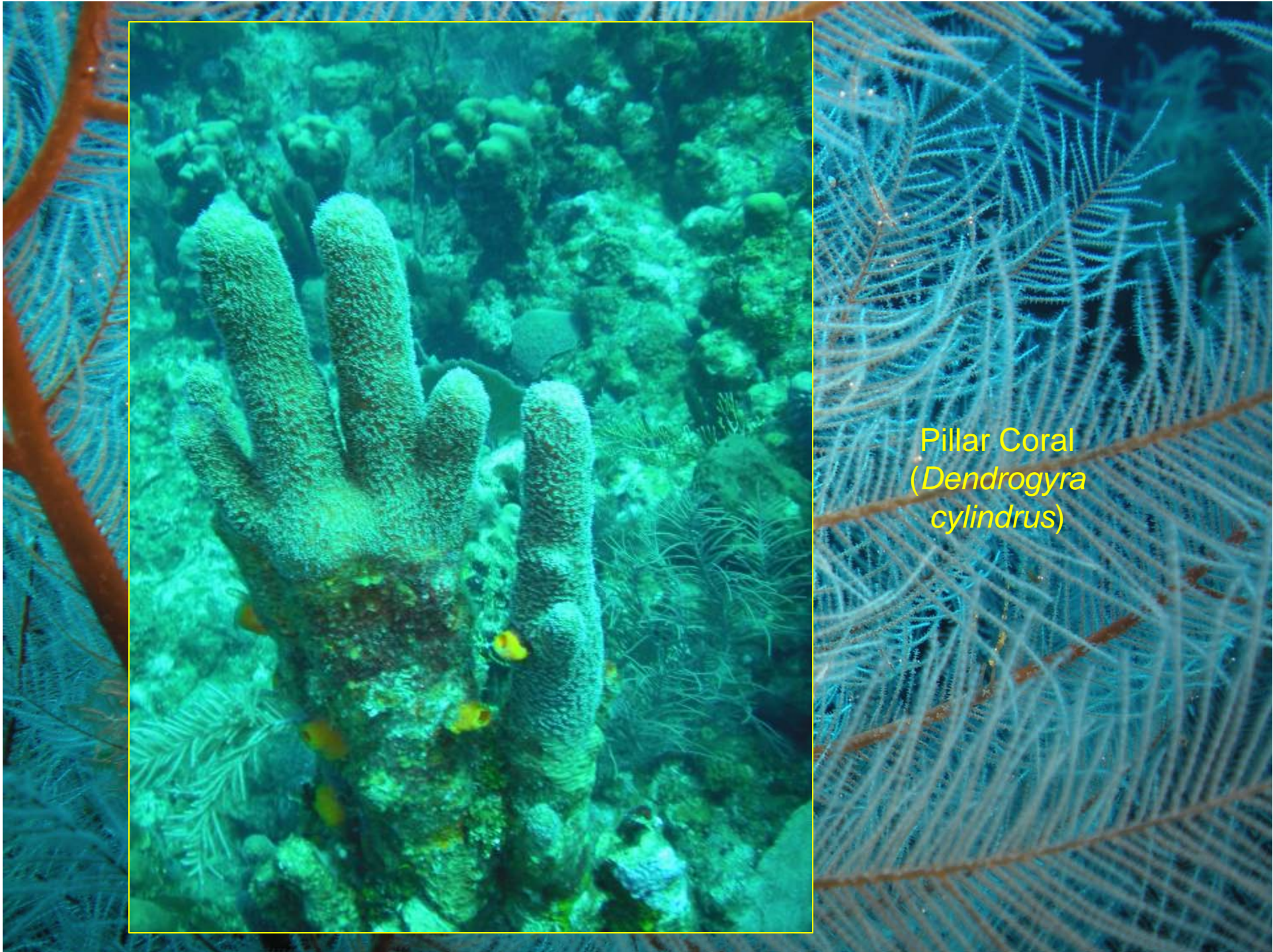




Blue Chromis (*Chromis cyaneus*)

Sponge brittle star
(*Ophiothrix suensonii*) in
Vase Sponge





Pillar Coral
(*Dendrogyra
cylindrus*)

A photograph of Club Finger coral (Porites porites) inside a blue mesh bag. The coral is a light brownish-tan color and has a highly textured, bumpy surface. It consists of numerous thick, finger-like branches that are densely packed and somewhat curved. The background is dark, and the blue mesh of the bag is visible around the edges of the coral.

Club Finger coral
(*Porites porites*)

Black grouper
(*Mycteroperca bonaci*)



Snappers





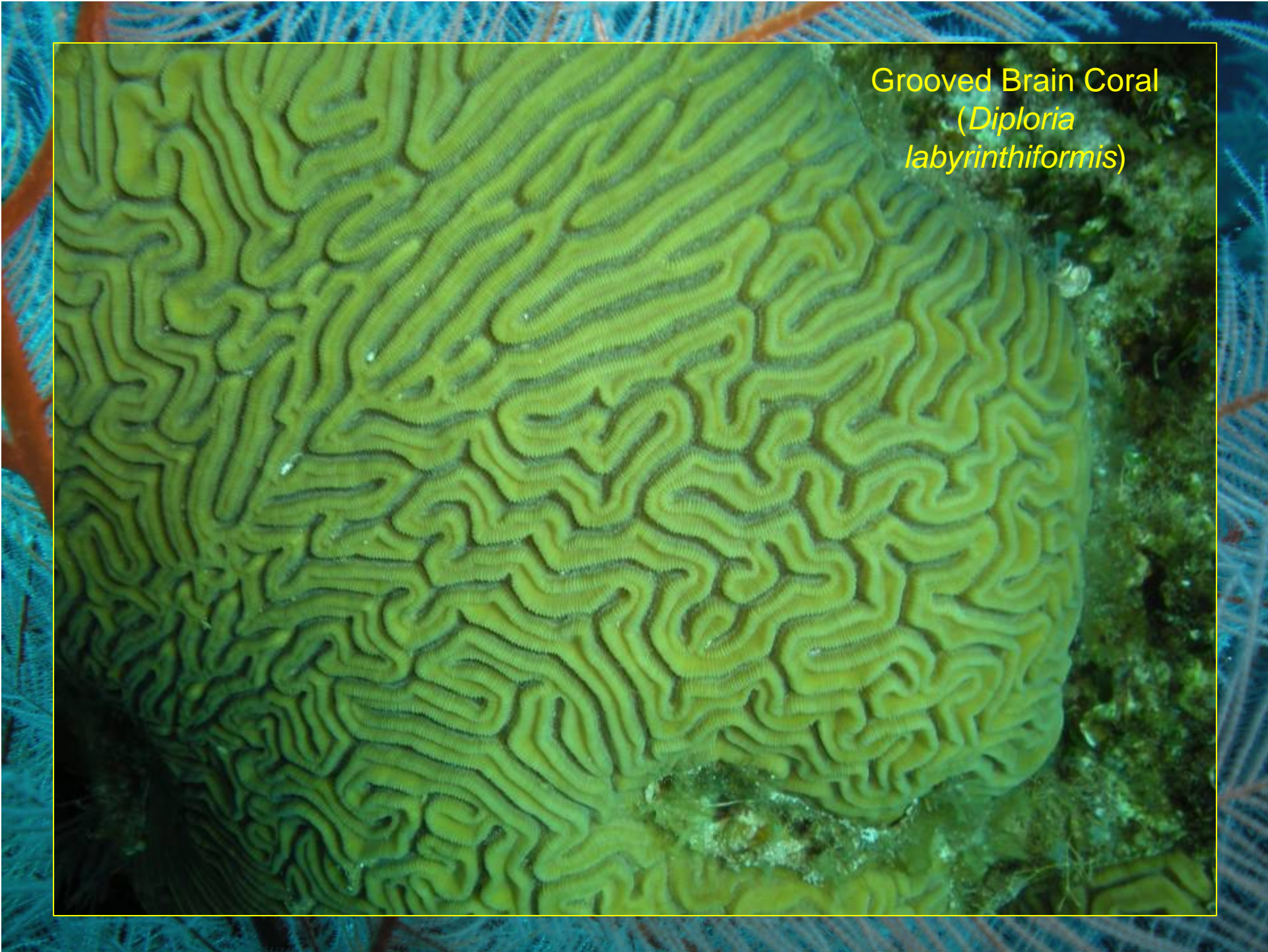
Neon Goby (*Gobiosoma oceanops*) @ cleaning station on leaf coral

Leaf Coral (*Agaricia agaricites*)



Banded Butterflyfish
(*Chaetodon striatus*) around
Pillar Coral (*Dendrogyra*)



A close-up photograph of a Grooved Brain Coral (Diploria labyrinthiformis) underwater. The coral has a complex, maze-like pattern of ridges and grooves, giving it a brain-like appearance. It is a light greenish-brown color. The background shows other coral structures, including some with a blueish tint and others with a reddish-brown tint. The lighting is somewhat dim, typical of an underwater environment.

Grooved Brain Coral
(*Diploria
labyrinthiformis*)

Black Ball Sponge (*Ircinia strobilina*)



Immature 2" wrasse hovers over Giant
Barrel sponge (*Xestospongia muta*)



Caribbean spiny lobster
(*Panulirus argus*) in
cave



Hawksbill Sea Turtle
(*Eretmochelys imbricata*)



Hawksbill Sea Turtle
(*Eretmochelys imbricata*)





French Angelfish:
Pomacanthus paru



French Angelfish:
Pomacanthus paru



Yellowhead jawfish:
Opisthognathus aurifrons



Rock Beauty: *Holacanthus tricolor*

Tarpon: *Megalops atlantica*



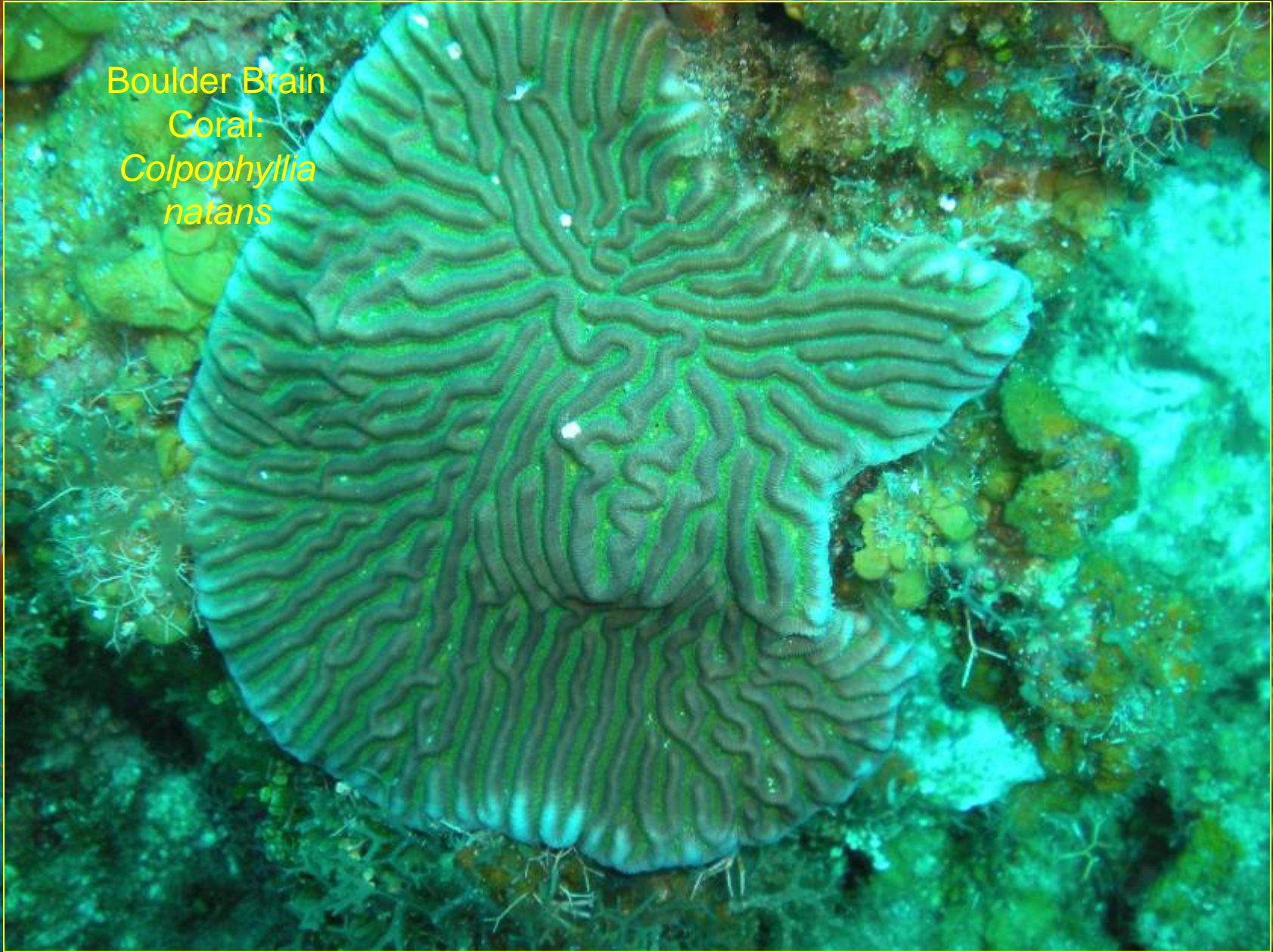


*Dusky damselfish: Pomacentrus
fuscus*



Indigo hamlet:
Hypoplectrus indigo

Boulder Brain
Coral:
Colpophyllia
natans





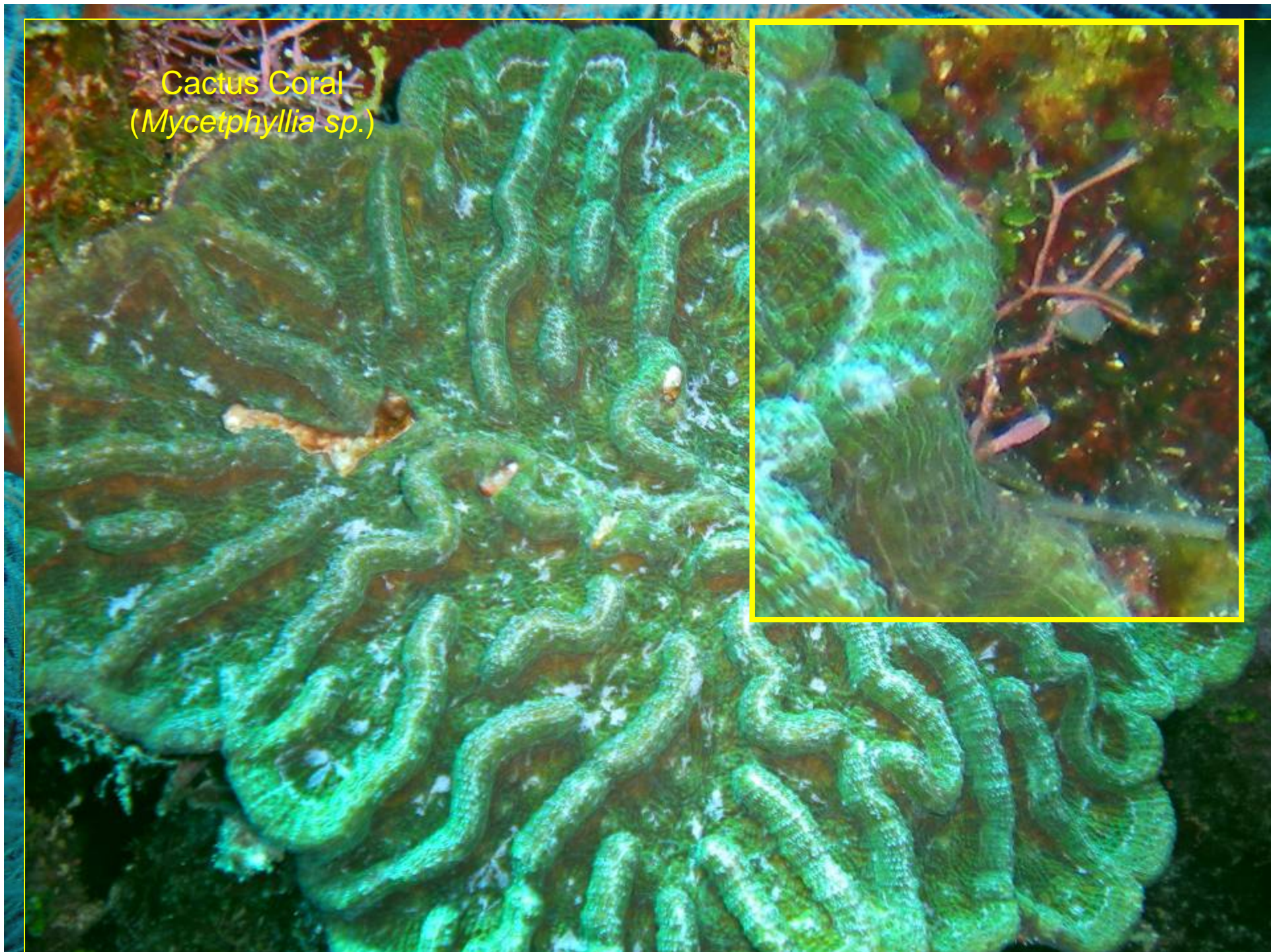
Four-eye butterflyfish:
Chaetodon capistratus





Callyspongia sp.

Cactus Coral
(*Mycetophyllia* sp.)



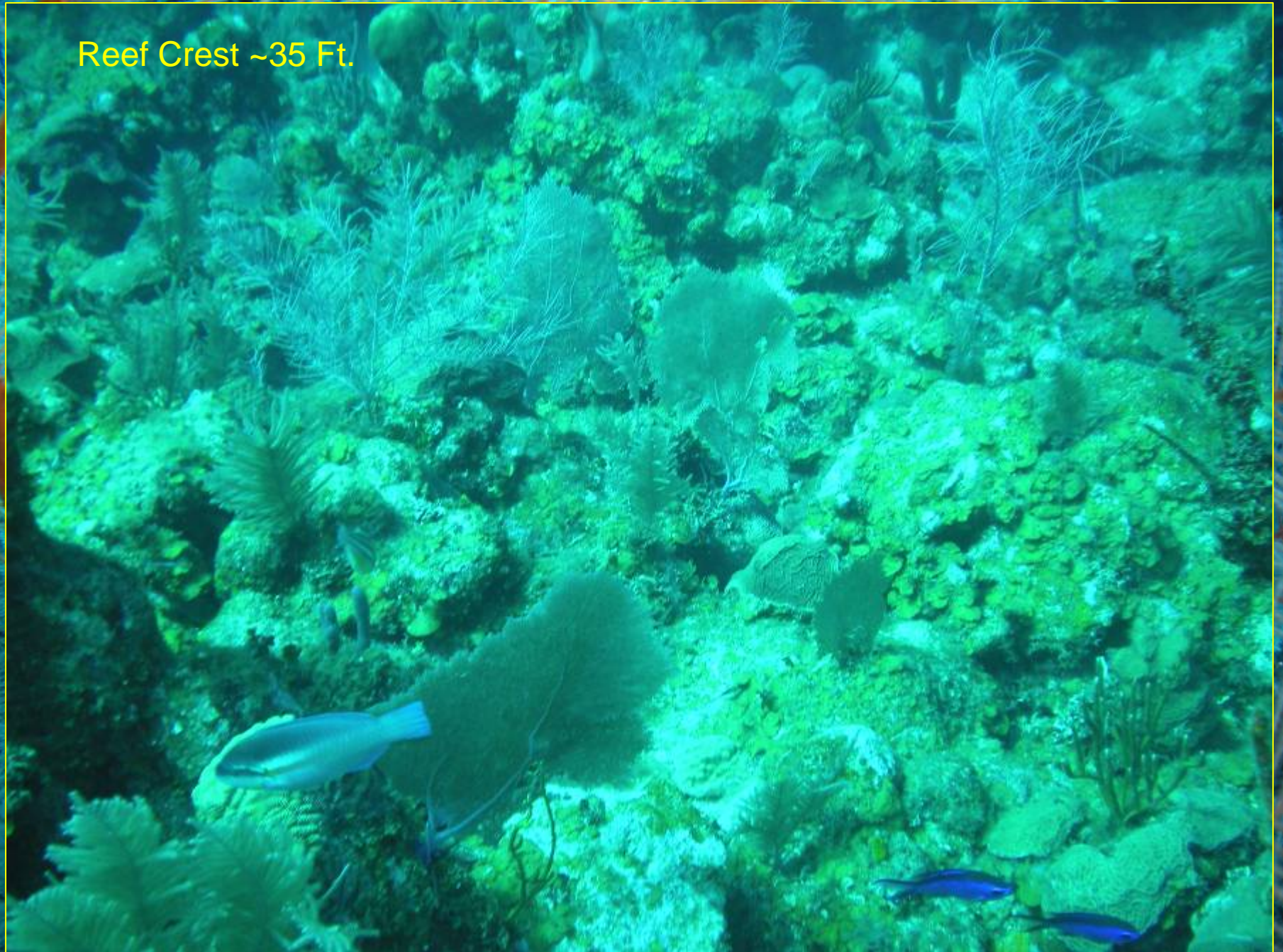


3' high *Xestospongia muta*



Pillar Coral
(*Dendrogyra*)

Reef Crest ~35 Ft.



A close-up photograph of leaf coral (Agaricia sp.) showing its characteristic wavy, leaf-like structure. The coral is primarily brown and tan, with a textured surface. The image is framed by a yellow border. The background shows other coral structures in shades of blue and green.

Leaf coral (*Agaricia* sp.)

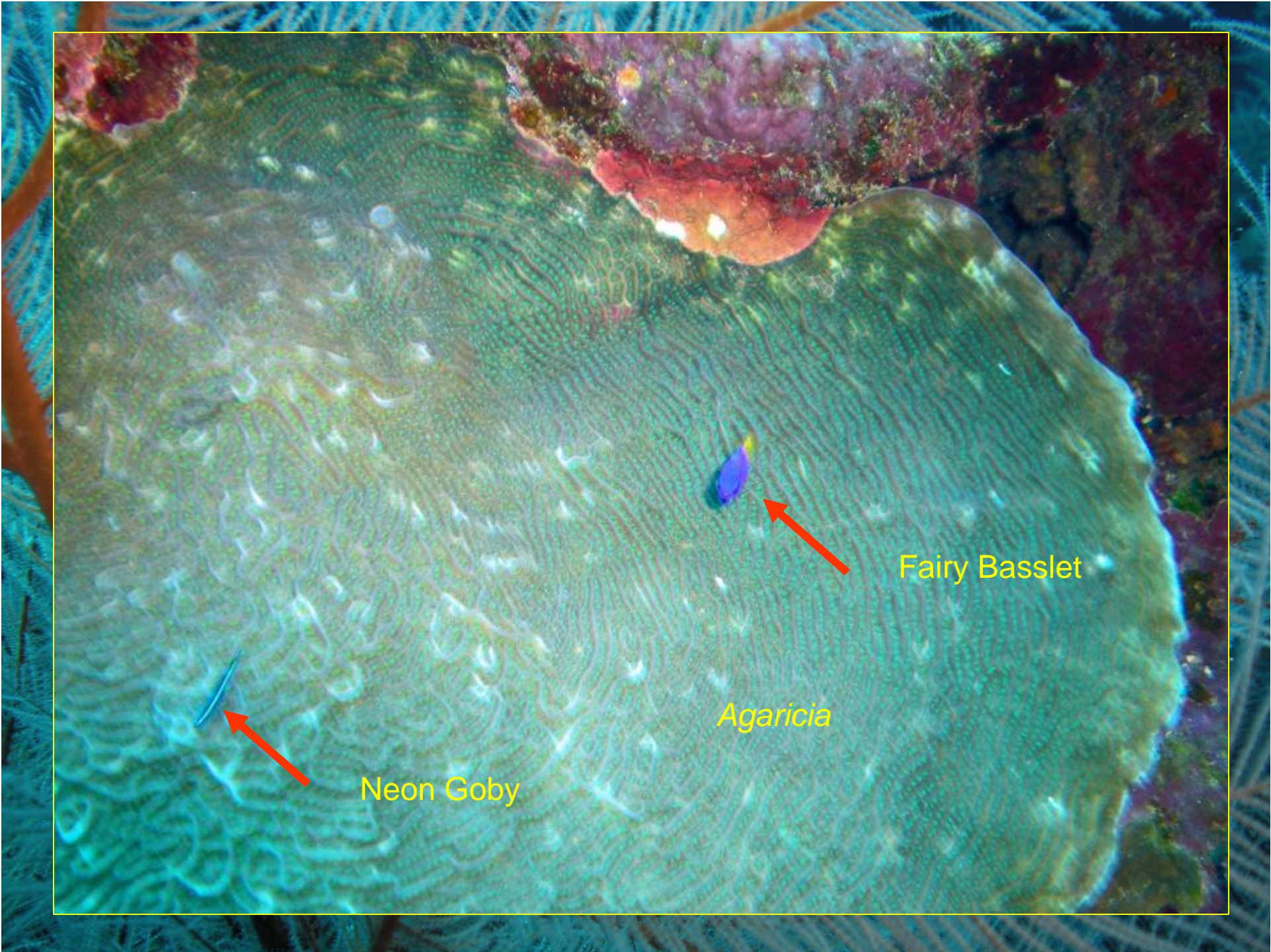


Queen Angel
(*Holacanthus
ciliaris*)



Nassau Grouper (*Epinephelus striatus*)





Neon Goby



Fairy Basslet

Agaricia



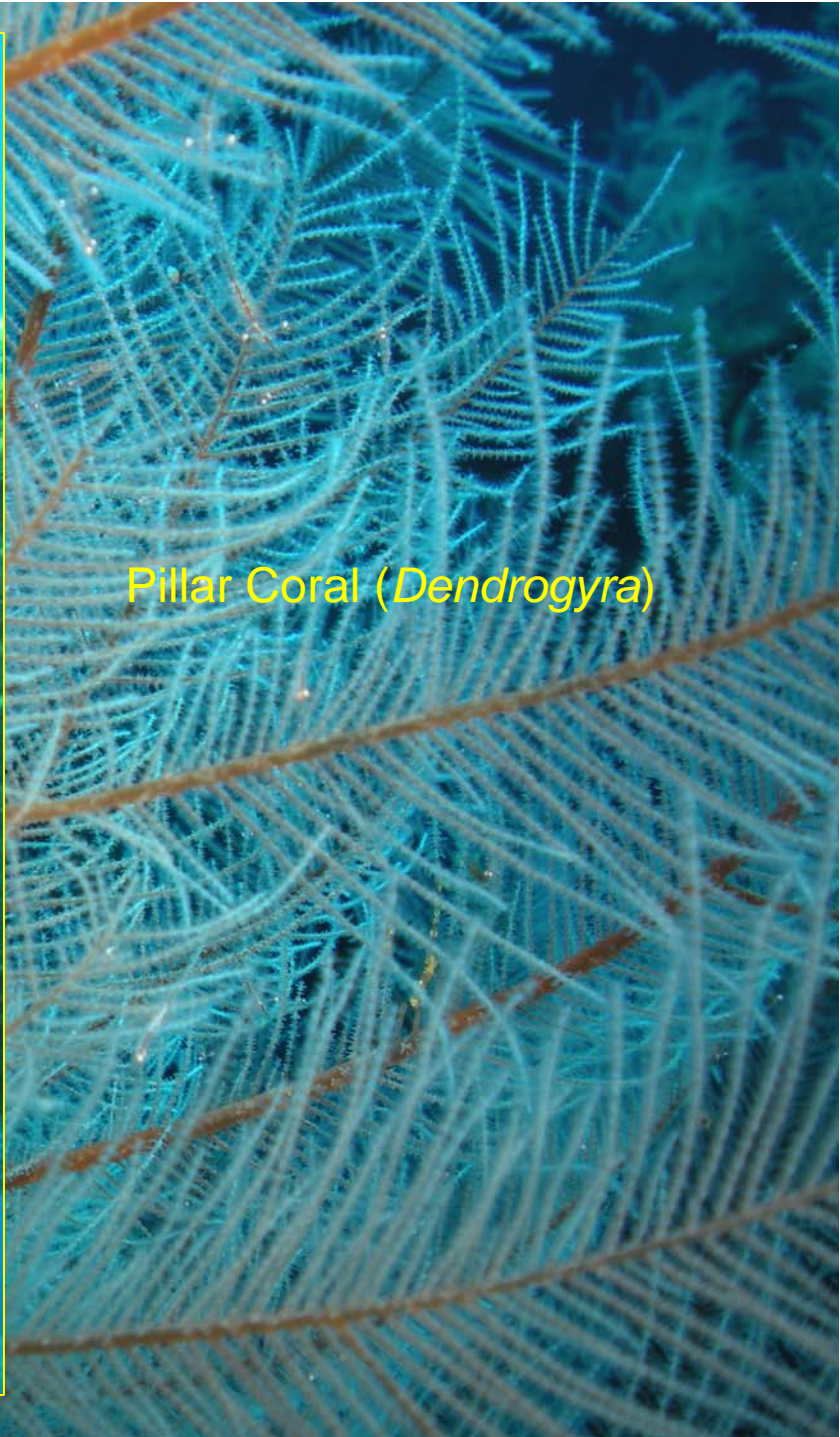
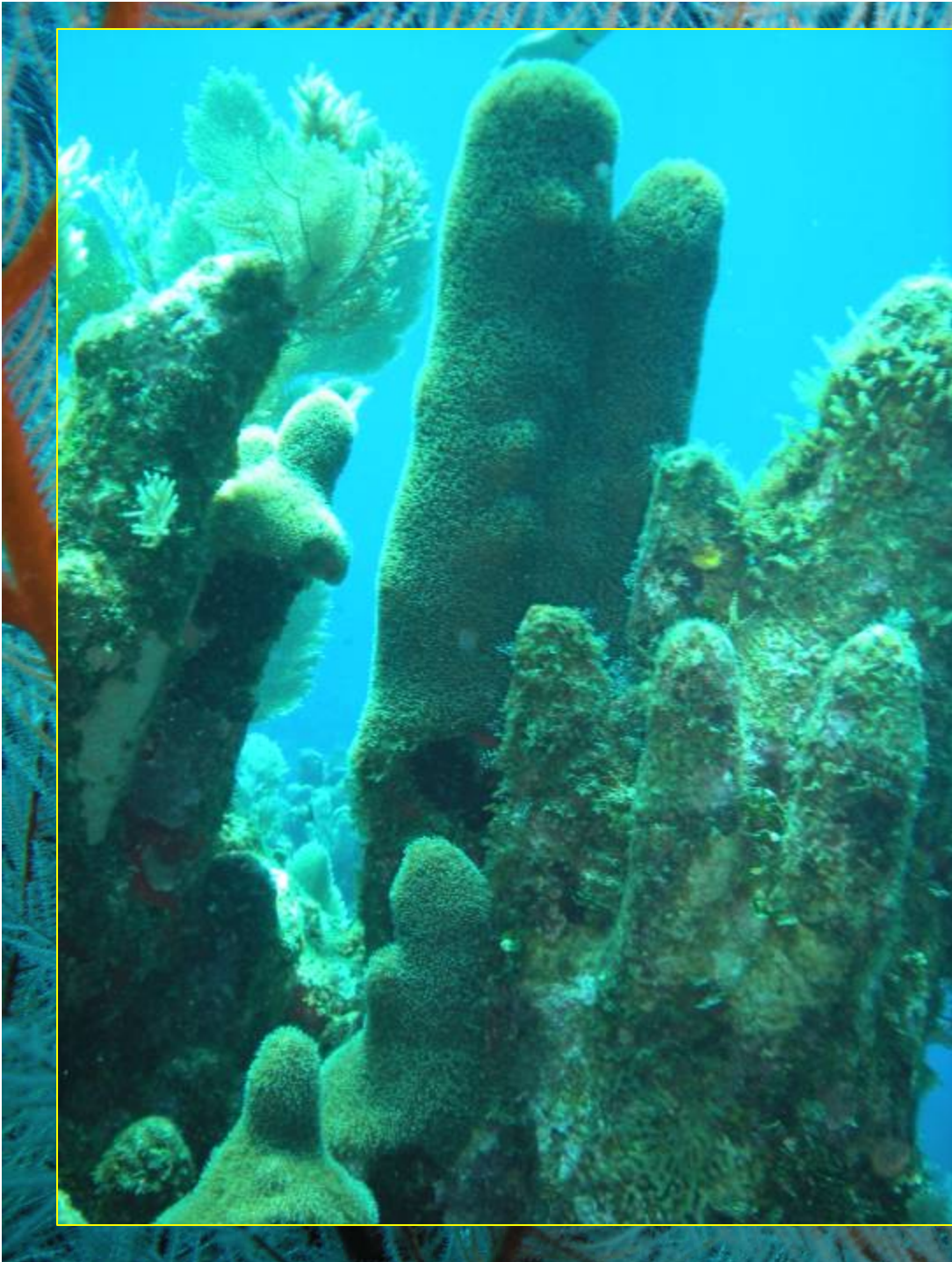
Spur

Spur

Groove

Sharpnose puffer (*Canthigaster rostrata*)
on a *Verongia* sp. of sponge





Pillar Coral (*Dendrogyra*)



Sea
Fan

Agaricia

*Montastrea
annularis &
Ircinia strobilina*



Verongia sp





*Xestospongia
muta*



Montastrea cavernosa





Agaricia sp. with 2
Boring sponges
Siphonodictyon
coralliphagum)

Madracis sp.?



Sea Plume:
(*Pseudopterogorgia* sp.)





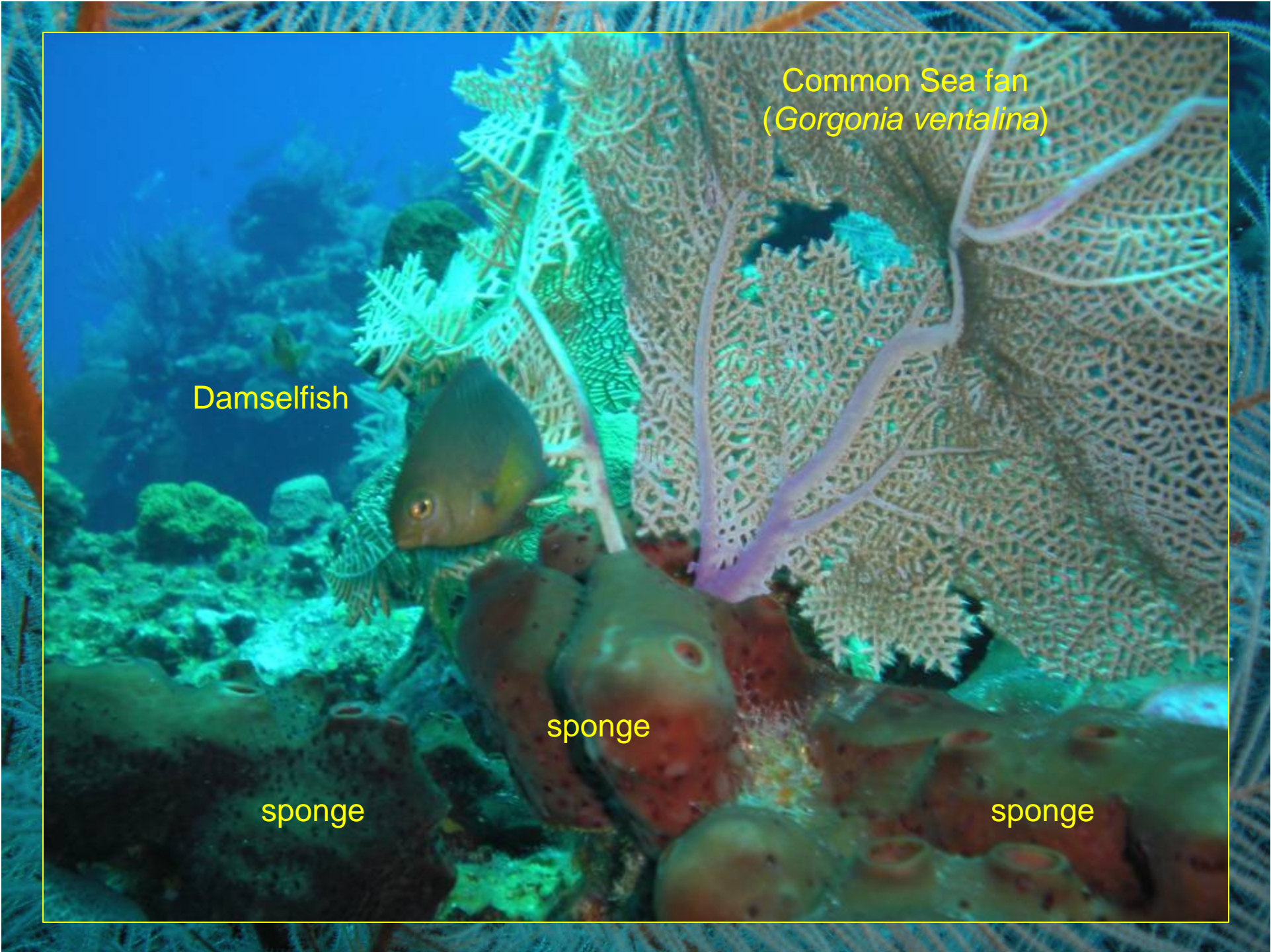
Maze coral
(*Meandrina
meandrites*)



Harlequin bass

Xestospongia muta





Common Sea fan
(*Gorgonia ventalina*)

Damselfish

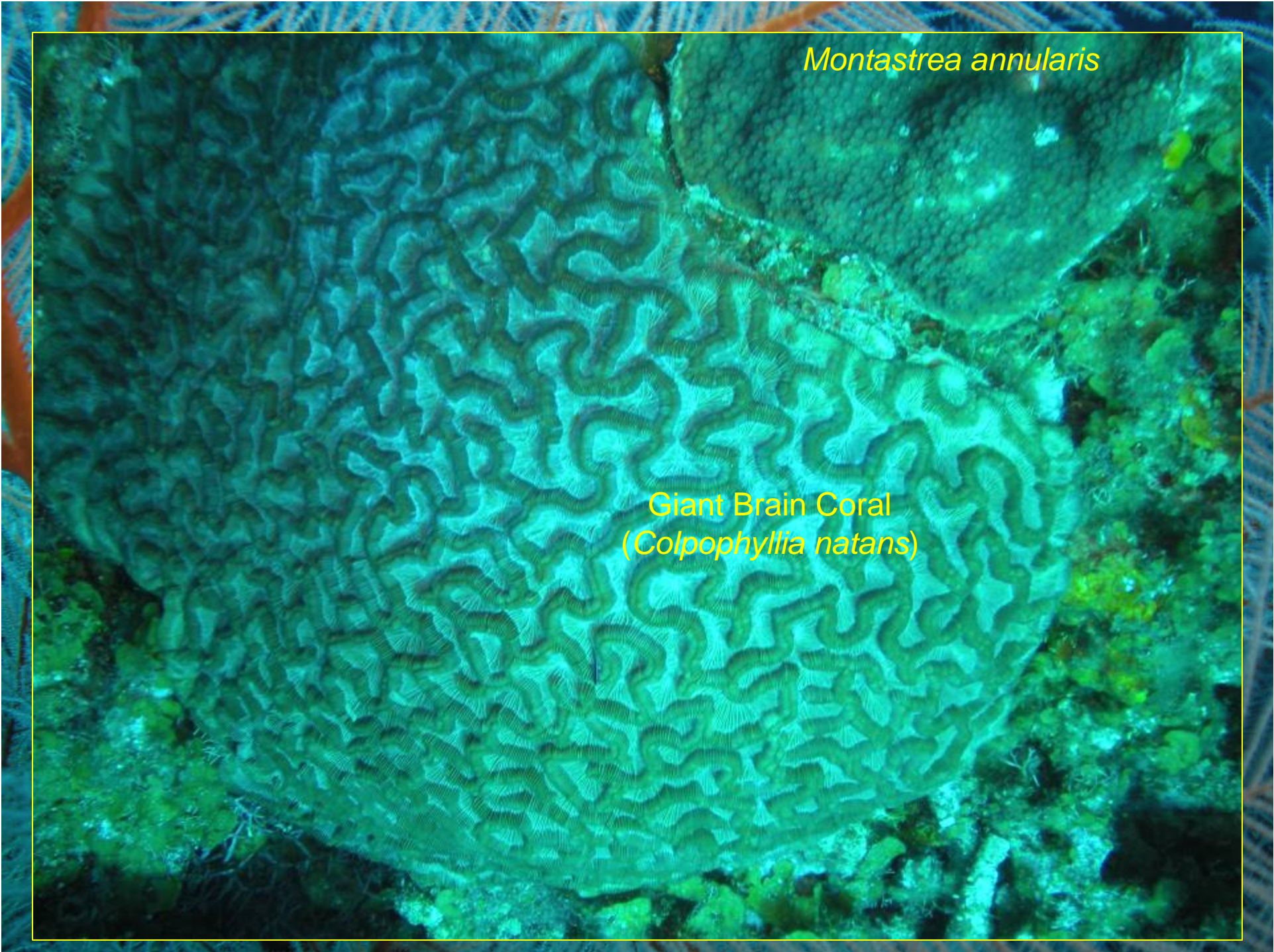
sponge

sponge

sponge

Montastrea annularis

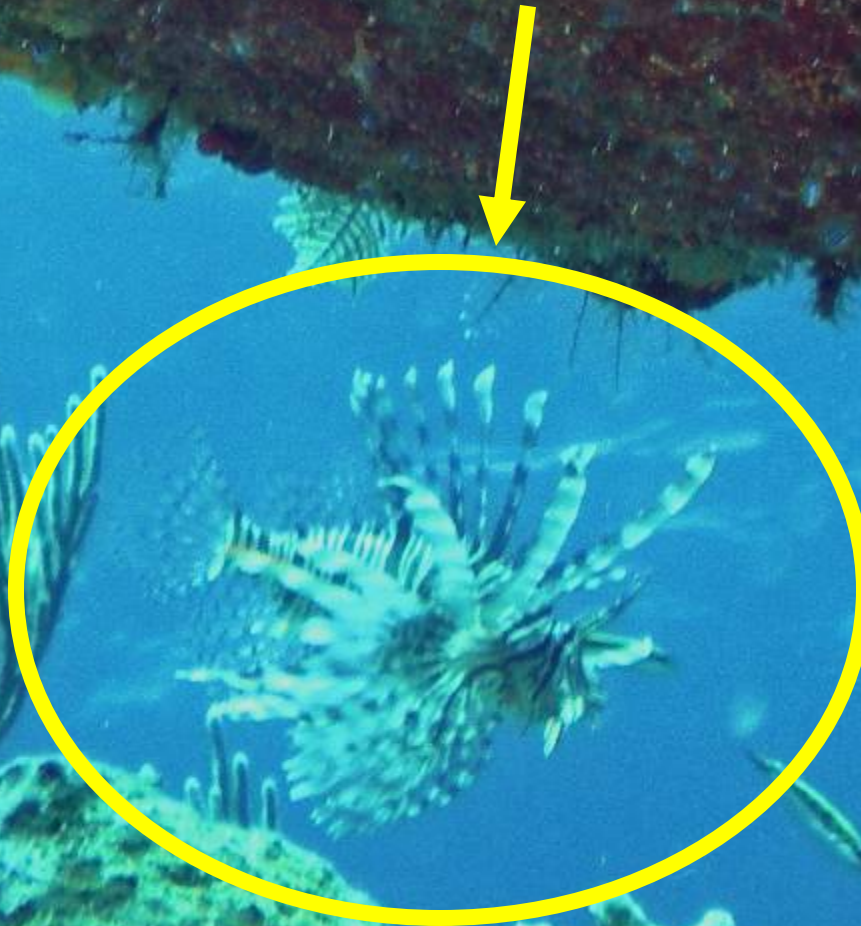
Giant Brain Coral
(*Colpophyllia natans*)

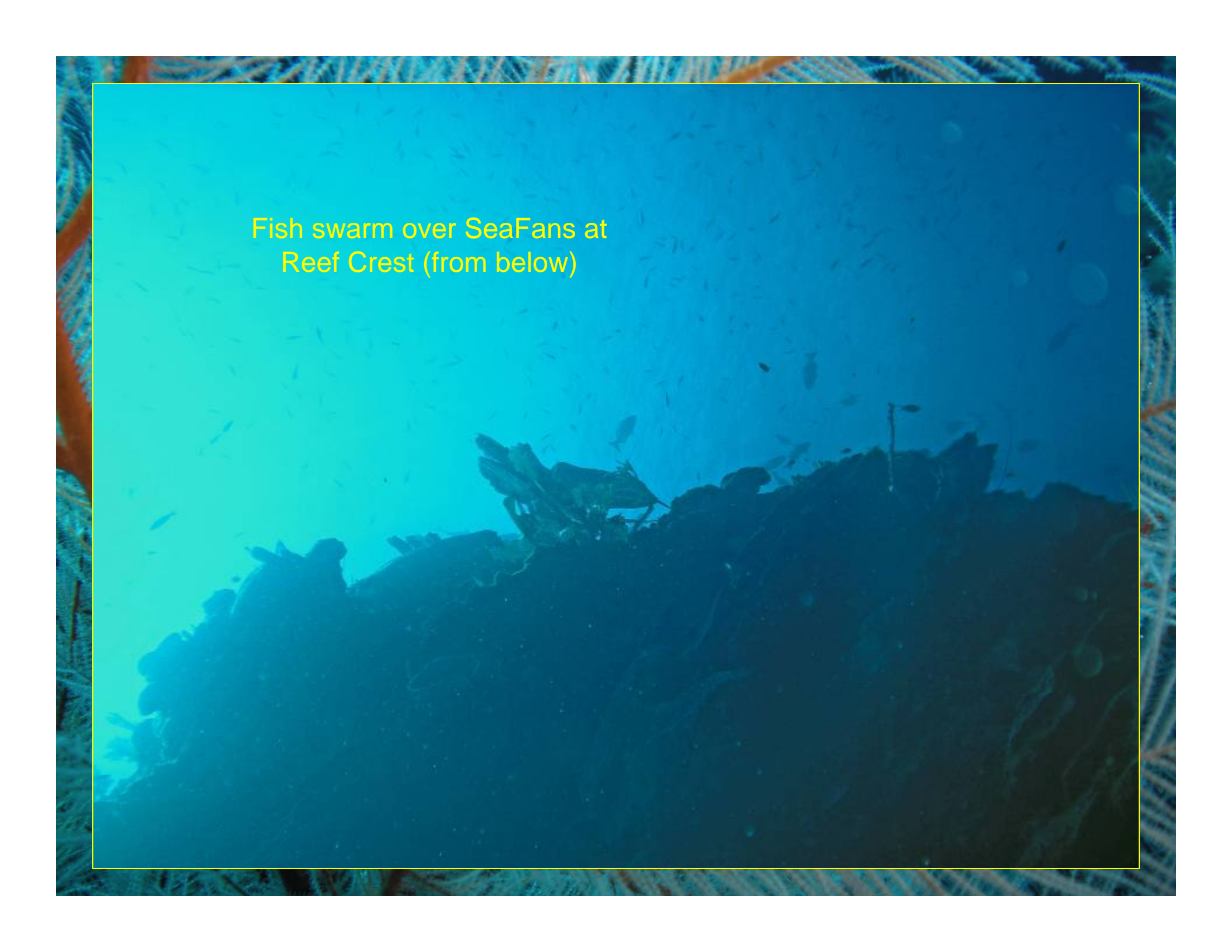


A photograph of a Sergeant Major fish (Abudefduf saxatilis) swimming in a coral reef. The fish is white with five prominent black vertical stripes and a yellow stripe above the first black stripe. It is positioned in the center-right of the frame, facing right. The background is a dense, colorful coral reef with various types of coral, including branching and table corals, in shades of brown, orange, and red. The water is clear and blue.

Sergeant Major
(*Abudefduf saxatilis*)

Indo-Pacific Invasive species: eats young reef fish voraciously and is displaying its deadly, venomous spines – LIONFISH: *Pterois volitans*



An underwater photograph showing a dense school of small fish swimming over a reef crest. The reef crest is covered with sea fans, which are large, flat, fan-shaped organisms. The water is clear and blue, and the lighting is bright, highlighting the silhouettes of the fish and the intricate structures of the sea fans. The fish are concentrated in the upper half of the frame, moving in various directions. The sea fans are visible in the lower half, extending across the width of the image. The overall scene depicts a healthy and active reef ecosystem.

Fish swarm over SeaFans at
Reef Crest (from below)



Leucandra aspera: cryptic sponge: Calcarea



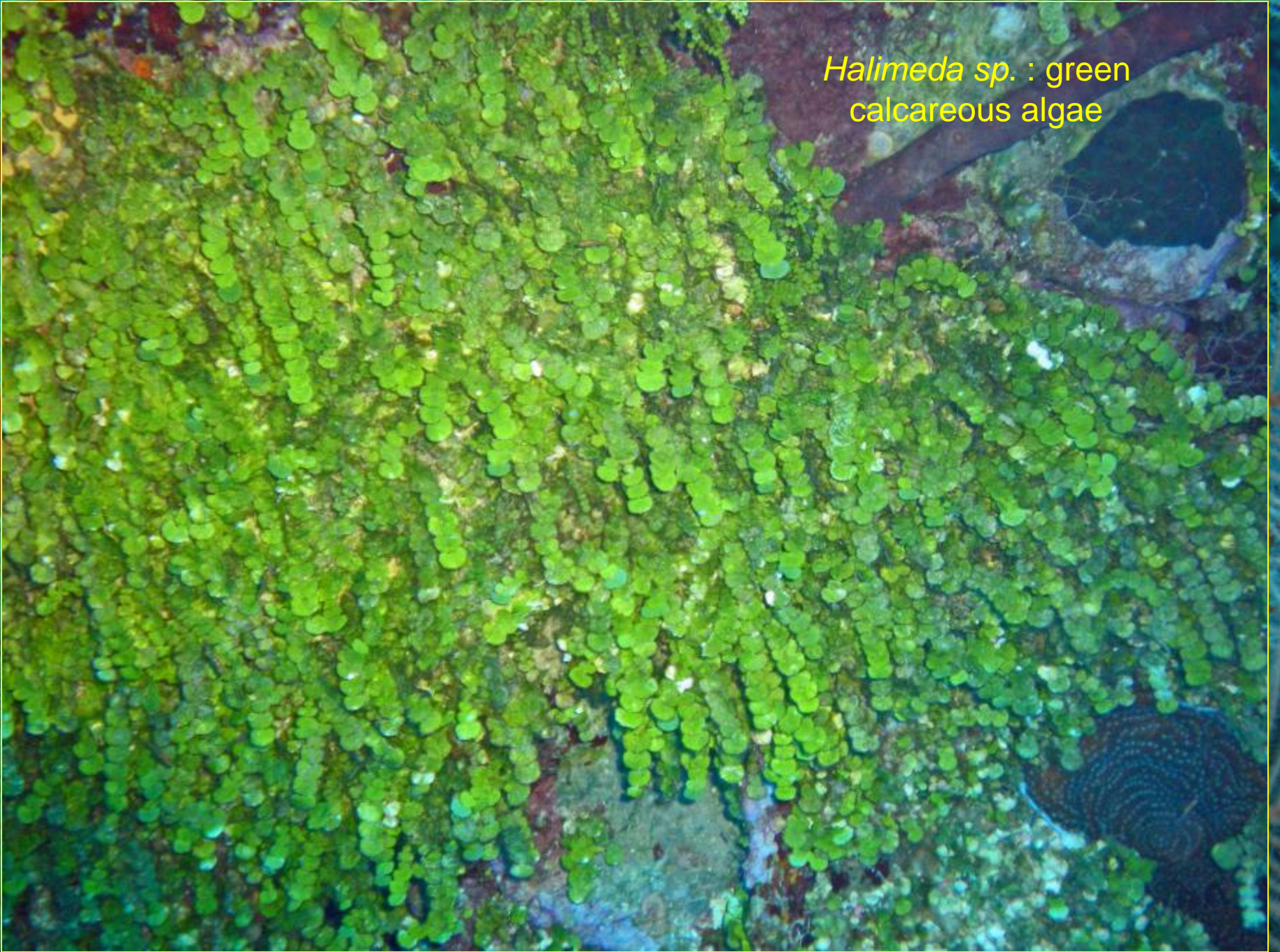
Boulder Brain Coral
(*Colpophyllia* sp.)

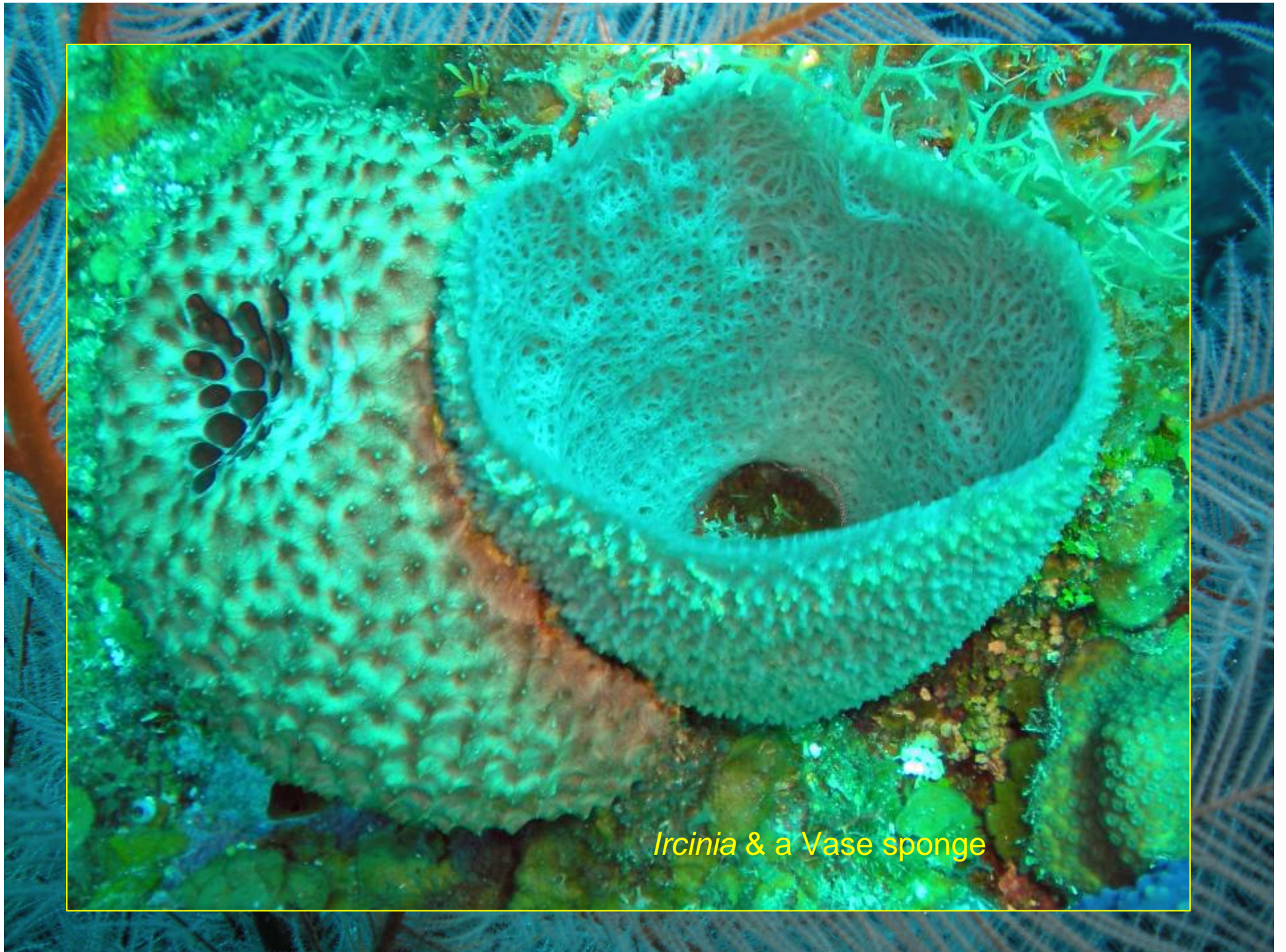
Maze coral (*Meandrina meandrites*)





Halimeda sp. : green
calcareous algae





Ircinia & a Vase sponge



Pseudoplexaura sp.: Sea Rod





A photograph of a snapper fish swimming in a coral reef. The fish is the central focus, shown in profile facing right. It has a slender body with a prominent dorsal fin and a slightly forked tail. The surrounding environment is a vibrant coral reef with various types of coral, including branching and table corals. The water is clear and blue. The entire image is framed by a thin yellow border.

Snapper
(*Lutjanus sp*)

Giant fan worm





Pressure with Depth

