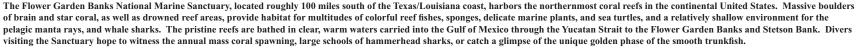
Flower Garden Banks National Marine Sanctuary





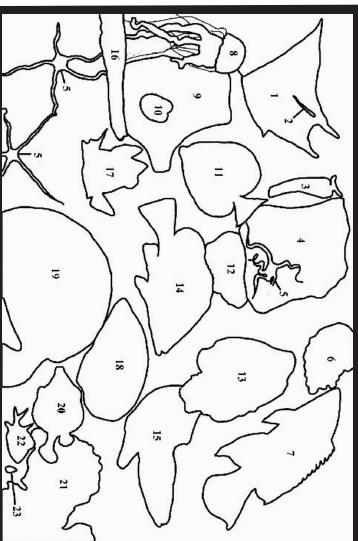






Key to Sanctuary Collage





- acrobatics referred to as "barrel rolling" a feeding behavior by which the animal funnels the water (and plankton) into its 1. Divers visiting the Flower Garden Banks often encounter these graceful manta rays (*Manta birostris*) swooping and gliding through the pelagic zone above the coral reef cap. On the edges of the reef, these animals are sometimes seen performing mouth. Through recent surveys at the sanctuary, at least 35 individuals have been identified by their characteristic markings on
- fin. This animal can then obtain bits of food missed by its host, as well as use the animal as a means of transportation. The remora attaches to its host using an adhesive disk located on the top of its head, which is actually a highly modified dorsal The remora (Remora remora) can often be seen hitching a ride on larger, free-swimming fish such as sharks or the manta ray.
- documented at the sanctuary, perhaps because we have limited numbers, but also because divers tend to overlook these small. 3. An animal rarely encountered is a very colorful sea slug, the painted elysia (Elysia picta). Not many sea slugs have been
- coral participate in the spawning event, as do numerous species of sponges, fish, and brittle stars. Caribbean to witness the event because of the large colonies and high coral coverage of the mass spawners. At least 7 species of days after the full moon in August. The Flower Garden Banks coral reef system is probably the most visually prolific site in the The phenomenon of the annual mass coral spawning (including this star coral, Montastrea franksi) usually occurs 7 to 10
- brittle stars are nocturnal animals, and therefore are much more active at night. spawning event. These animals generally live in the deeper parts of the reef and can be found underneath coral ledges. Ruby The ruby brittle star (Ophioderma rubicundum) takes advantage of an abundance of food during the annual mass coral
- planktonic animals. this coral are easily visible and about the size of a human thumb nail. This animal extends its tentacles at night to feed on small 6. This great star coral (Montastrea cavernosa) is one of more than 20 species of coral found at the sanctuary. The polyps of
- activity once it matures and changes its diet to include mollusks, sea urchins and crabs. removing parasites and debris from larger fish. While some fish continue this behavior for life, the Spanish hogfish ceases this 7. A colorful addition to the sanctuary is the Spanish hogfish (Bodianus rufus). As a juvenile, this animal acts as a cleaner fish
- at the sanctuary. This animal has four ruffled oral arms, surrounded by a number of nematocyst-bearing tentacles. Divers beware as these tentacles can deliver a painful sting when they come into contact with bare skin. 8. The sea nettle (Chrysaora quinquecirrha) is a jellyfish that can sometimes be seen pulsing through the waters above the reefs

- examination is often required to identify the species. found on Stetson Bank. Encrusting sponges such as this brightly colored variety vary widely in shape and size, and microscopic Sponges are found on all three banks in the sanctuary. However, the most prolific and colorful sponges are known to be
- color variations are seen the pale white, and the brilliant golden variety. above their eyes are called cirri, and a key to identifying them are the tiny iridescent lines radiating out from their eyes. Two common at Stetson Bank, and can often be seen looking out of small holes or crevices. The hair-like appendages located directly 10. A small fish frequently overlooked by divers is the seaweed blenny (Parablennius marmoreus). These animals are quite
- substrates in the sanctuary. Their teeth are specially adapted to assist them in this feeding behavior. As the fish matures, it will change to a powder blue or deep purple. These animals feed on algae found growing on coral or other This juvenile blue tang (Acanthurus coeruleus) is easily spotted swimming among the reefs with its bright yellow coloration.
- Sierra Madracis its name. recognized spot that is home to this coral is Sierra Madracis, which is located on Stetson Bank. Divers who enjoy this area gave This coral, the ten-ray star coral (Madracis decactis) is an inhabitant of all three banks of the sanctuary. Perhaps the most
- recognized by the iridescent blue ring located in an ocellus, or false-eye spot. the least known classes on the sanctuary, and Octopus filosis was only recently found to inhabit the area. This species can be One cephalopod found at the sanctuary is the Caribbean two-spot octopus (Octopus filosis). The cephalopods are one of
- The marbled grouper can be large in size, reaching a maximum of 3 feet in length. size, the juveniles have historically been documented associated with aggregations of spiny sea urchins (Diadema antillarum). by divers. The juvenile grouper is stunning to see – jet black with large irregular white splotches. Before reaching a medium 14. Due to its diminished numbers, probably caused by over fishing, the marbled grouper (*Dermatolepis inermis*) is rarely seen
- moray to respire. its mouth, which was once thought to be a threat to divers. However, this action is not a threat, and is required in order for the during the day. It is commonly seen inhabiting holes or recesses found in the reef. This animal continuously opens and closes 15. While most moray eels are nocturnal and feed at night, the goldentail moray (Gymnothorax miliaris) forages for food
- example, a mooring line. it from likely predators. Gorgonians are not found on the reef cap of the sanctuary, so the trumpetfish have to make do with, for alongside gorgonians such as sea rods or sea feathers, which serves as excellent camouflage for the animal and helps to protect has a long, thin body and a tubular snout with a terminal mouth. This animal can often be found floating vertically, head down, 16. A uniquely shaped fish that divers encounter at the sanctuary is the trumpetfish (Aulostomus maculatus). The trumpetfish
- gives the smooth trunkfish its unique shape and serves to discourage predators. type of boxfish, and its body is almost completely enclosed in a carapace formed from modified scales. 17. The smooth trunkfish (Lactophrys triqueter) is commonly seen swimming above the reefs at the sanctuary. This animal is a This protective encasing
- such shell collecting at the Sanctuary. This animal possesses a lustrous shell that once was highly prized in shell collecting. These animals are now protected from 18. The Atlantic deer cowrie (Cypraea cervus) is a type of mollusk that can be found grazing on algae on, and at the sanctuary.
- office using sighting cards provided to the recreational charter operators. encountered resting underneath the coral ledges at night. Divers can report their encounters with sea turtles to the sanctuary pictured here, have fairly tight home ranges encompassing the East and West Flower Garden Banks. The animals are often 19. Underwater surveys and satellite tracking have determined that the loggerhead sea turtles (Caretta caretta), such as the one
- golden phase of this trunkfish is only found, to date, in two places in the Caribbean the sanctuary and the Bay of Honduras. by surprise, as the usual color expressed is a rich chocolate brown to black with white spots and honeycomb markings. The 20. This golden phase of the smooth trunkfish (*Lactophrys triqueter*) tops the list for fish watchers - the coloration takes divers Recreational divers can contribute to the monitoring efforts of the reefs by conducting reef fish surveys during their dive.
- sponges can be found on Stetson Bank. of the animal kingdom, this sedentary filter feeder is found on all three banks of the sanctuary. The most prolific and colorful This colorful addition to the sanctuary is the branching tube sponge (*Pseudoceratina crassa*). The most simple member
- eyes, this fish is most active at night. Divers can also spot this fish during the day in recesses or shaded areas along the reef. One species of fish encountered at the sanctuary is the squirrelfish (Holocentrus adscensionis). With its prominent large
- usually withdraw into their tubes when approached, but if divers are still and patient, they will slowly extend two "trees" are the gills of the worm – the body, which is embedded in the coral, may be nearly a meter in length. Christmas tree worms (Spirobranchus giganteus) are abundant throughout the sanctuary, and in many shades of color. The These animals