

MBARA Diver's Reef Survey Form

Updated 11 July 2010

Reef Site Name: MB 76 Gene Childs Memorial Reef

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29 46.720

W Lon.: 085 50.030

Sonar Depth: 119'

Survey Date & Time: 9 Jul 2010/1100

Weather conditions and sea state: Sunny 2'

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Diver Observations

Computer/Depth Gauge Depth: 121'

Diver Bottom Time on Survey: :22

Water Temp: Surface: 85F

Bottom: 74F

Water Visibility: Surface: 80'

Bottom: 60'

Thermocline Depth: 40 & 80'

Current direction and speed: NW @ .5kt

Other noted water column characteristics (plankton, algae, jellyfish, turbidity, etc): Jellyfish and suspended dead organic matter. Also observed a four small (10" x 2") dark-cloudy bodies that dissolved/dispersed when touched. Suspect possible oil spill residue.

Description of Bottom Composition (sand, silt, mud, gravel, shell, etc):

Sand & shell.

Description of Reef Materials & Quantity: Mexico Beach Canal Dredge

Reef Height (highest point): 7'

Reef Physical Condition (Durability and Stability): Excellent

Storm damage or movement? If yes, describe: None

Other damage or movement? If yes, describe: None

Fish Count:

| Species: | Quantity | Size |
|------------------------------------------|----------|--------|
| Angelfish, Queen | | |
| Anglefish, Blue | 6 | 8-12" |
| Baitfish - Round Scad (Cigar Minnows) | | |
| Baitfish – Glass Minnow (Bay Anchovy) | | |
| Baitfish - Menhaden | | |
| Baitfish - Pinfish | | |
| Baitfish, species? | | |
| Barracuda - Guaguanche | | |
| Barracuda-Great | | |
| Batfish, Polka-Dot | | |
| Blenny, Molly Miller | | |
| Blenny, Seaweed | 20 | 1" |
| Blenny, Tessallated | | |
| Butterflyfish, Reef | | |
| Butterflyfish, Spotfin | | |
| Cardinalfish, Two-Spot | 10 | 1" |
| Cobia (Ling) | | |
| Cowfish, Scrawled | | |
| Croaker, Atlantic | | |
| Chromis - Purple Reeffish | | |
| Chromis - Yellowtail Reeffish | 1 | .5" |
| Damselfish - Cocoa | 5 | .5-3" |
| Damselfish sp? | | |
| Dolphin, sp? | | |
| Drum - Cubbyu | 18 | 8" |
| Eel, species? | | |
| Flounder, Gulf | | |
| Frogfish, Ocellated | | |
| Goby, Blue | | |
| Goby, Bridled | 2 | 1" |
| Goby, species? | | |
| Grouper, Gag | 10 | 12-18" |
| Grouper, Goliath | 1 | 10" |
| Grouper, Red | | |
| Grouper, Rock Hind | | |

| | | |
|-----------------------------------|------|--------|
| Grouper, Scamp | 10 | 10-14" |
| Grunt - Tomtate | 100+ | 4-6" |
| Grunt, White | | |
| Grunt, sp? | | |
| Jack – Blue Runner (Hard Tail) | | |
| Jack - Greater Amberjack | 200 | 20-26" |
| Jack sp? | 5 | 1" |
| Jack, Almaco (Lesser) | | |
| Jack, Lookdown | | |
| Jack, Rainbow Runner | | |
| Lizardfish, Blue-Lined | | |
| Mackeral, King | | |
| Mackeral, Spanish | | |
| Mahi | | |
| Margate, Black | | |
| Porgy sp? | 10 | 8-10" |
| Porgy - Sheepshead | | |
| Puffer - Balloonfish | | |
| Puffer, Sharpnose | | |
| Ray, Manta | | |
| Ray, Southern Stingray | | |
| Remora (Sharksucker) | 3 | 18-24" |
| Sailfish | | |
| Seabass, Bank | | |
| Seabass, Belted Sandfish | | |
| Shark, sp? | | |
| Snapper, Bigeye | | |
| Snapper, Gray (Black) | 60 | 12-20" |
| Snapper, Red | 300 | 12-20" |
| Snapper, Vermillion (Mingo) | 40 | 10-12" |
| Soapfish, Whitespotted | 20 | 6" |
| Spadefish, Atlantic | | |
| Toadfish, Leopard | | |
| Triggerfish, Gray | 30 | 12-15" |
| Wrasse - Slippery Dick | 16 | 1-2" |

Other:

Description of Biological Growth on Reef:

| Species | Quantity/Area of Coverage (% of area or dimensions) | Size | Color |
|---------------------------|--------------------------------------------------------|-------|-------|
| Algae | | | |
| Barnacles | | | |
| Christmas Tree Worm | | | |
| Coral - Colorful Sea Whip | | | |
| Coral - unk gorgonian | 50% | 6-18" | Wht |
| Coral - White Telesto | | | |
| Bulb Anemone | | | |
| Tube Anemone | | | |
| Hard Corals-Assorted | 10-20% | 1-6" | Wht |
| Mussells | | | |
| Oyster, sp? | | | |
| Scallops sp? | | | |
| Sponges | | | |

Other: Suspect most hard corals may be *Occulina* family (see photos).

Description of Invertebrates on Reef:

| Species | Quantity | Size |
|-------------------------------|----------|--------|
| Cowry - Atlantic Deer | | |
| Cowry - Spotted Cyphoma | | |
| Crab, Blue | | |
| Crab, Rock | | |
| Crab, Sargassum Swimming | | |
| Crab, Stareye Hermit | | |
| Crab, Yellowline Arrow | | |
| Crab, species? | | |
| Lobster, Shovelnose | 1 | 10" |
| Lobster, Spiny | | |
| Sea Cucumber | 3 | 10-12" |
| Sea Slug, Species? | | |
| Sea Urchin | 100+ | 1-3" |
| Snail - Atlantic Harry Triton | | |
| Snail - Giant Eastern Murex | | |
| Snail - Netted Olive | | |
| Snail - Queen Helmet | | |
| Snail - Spiny Murex | | |
| Snail - True Tulip | | |
| Snail- Florida Horse Conch | | |
| Invertebrate, species? | | |

Other:

Marine Amphibians:

| Species | Quantity | Size | Color |
|---------------------|----------|------|-------|
| Turtle, Loggerhead | | | |
| Turtle, Green | | | |
| Turtle, Leatherback | | | |
| Turtle, Species? | | | |

Other:

Other Observations:









