

MBARA Diver's Reef Survey Form

Updated 4 April 2010

Reef Site Name: MB 11

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29 55.353 W Lon.: 85 29.093

Sonar Depth:

Survey Date & Time: 19 Jun 2010 1255

Weather conditions and sea state: Clear, calm

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Diver Observations

Computer/Depth Gauge Depth: 25'

Diver Bottom Time on Survey: 1:05

Water Temp: Surface: 88 Bottom: 74

Water Visibility: Surface: 80 Bottom: 80

Thermocline Depth: 10'

Current direction and speed: None

Other noted water column characteristics (plankton, algae, jellyfish, turbidity, etc): Clear

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

Sand

Description of Reef Materials & Quantity:

35 Reef Balls, scattered. Deployed 14 Jun 2000.

Reef Height (highest point):

3 feet

Reef Physical Condition (Durability and Stability): Fair—most reef balls are 50% or more above the sand. A few have sunk to the rim.

Storm damage or movement? If yes, describe: None

Other damage or movement? If yes, describe: Yes, about 30% of reef balls exhibited settling or subsidence. Some were 50% to 90% buried. Suspect reef balls may have been deployed in

bottom depressions that have since filled in from the effects of weather and currents redistributing sand.

Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Anglefish, Blue		
Baitfish - Mackerel Scad (Cigar Minnows)		
Baitfish - Menhaden		
Baitfish - Pinfish		
Baitfish, species?		
Barracuda - Guaguanche		
Barracuda-Great		
Batfish, Polka-Dot		
Blenny, Molly Miller		
Blenny, Seaweed	50	1-1.5"
Blenny, Tessallated		
Butterflyfish, Reef		
Butterflyfish, Spotfin		
Cardinalfish, Two-Spot	1	1"
Cobia (Ling)	1	30"
Cowfish, Scrawled	2	7-9"
Croaker, Atlantic		
Damselfish - Beaugregory		
Damselfish - Cocoa	50	.5-1"
Damselfish - Purple Reeffish		
Damselfish - Yellowtail Reeffish		
Damselfish species unknown?		
Dolphin, Bottlenose		
Drum - Cubbyu	20	.5-2"
Eel, reticulated	1	9"
Flounder, Gulf		
Frogfish, Ocellated		
Goby, Blue		
Goby, Bridled		
Goby, species?		
Grouper, Gag	100	8-18"
Grouper, Goliath		
Grouper, Red		

Grouper, Rock Hind		
Grouper, Scamp		
Grunts - Tomtate	1,000+	1"
Grunts, species?		
Grunts, White		
Jack - Bluefish		
Jack - Greater Amberjack	15	12"
Jack, bluerunner (hardtail)	100	10"
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Blue-Lined		
Mackerel, King		
Mackerel, Spanish	1	15"
Mahi		
Porgy species unknown		
Porgy - Sheepshead	5	10-15"
Puffer - Balloonfish		
Puffer, Sharpnose		
Ray, Manta		
Ray, Southern Stingray		
Remora (Sharksucker)	1	12"
Sailfish		
Seabass, Bank		
Seabass, Belted Sandfish	5	1.5"
Shark, Nurse	1	6 ft
Snapper, Bigeye		
Snapper, Gray (Black)	20	8-15"
Snapper, Red		
Snapper, Vermillion (Mingo)		
Soapfish, Whitespotted	5	5-6"
Spadefish, Atlantic	200	6-12"
Toadfish, Leopard	1	10"
Triggerfish, Gray	10	10-14"
Wrasse - Slippery Dick		

Other:

Description of Biological Growth on Reef:

Species	Quantity/Area of Coverage (% of area or dimensions)	Size	Color
Algae			
Barnacles	30%		
Christmas Tree Worm			
Coral - Colorful Sea Whip			
Coral - unidentified gorgonian			
Coral - White Telesto			
Corkscrew Anemone			
Tube Anemone			
Hard Corals-Assorted			
Mussels			
Oyster, species?			
Sea Scallop			
Sponges			

Other:

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?	1	2"
Lobster, Shovelnose		
Lobster, Spinny		
Sea Cucumber		
Sea Slug, Species?		
Sea Urchin	20	2-4"
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	1	2.5 ft	
Turtle, Green			
Turtle, Leatherback			
Turtle, Species?			

Other:

Other Observations:









