

MBARA Diver's Reef Survey Form

Updated 4 April 2010

Reef Site Name: MB-16 Mike Neel Memorial Reef #1

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29.53.934 W Lon.: 85.30.670

Sonar Depth: 43 ft

Survey Date & Time: 19 Sep 2010 1700

Weather conditions and sea state: Calm and Sunny

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Diver Observations

Computer/Depth Gauge Depth: 43 feet

Diver Bottom Time on Survey: :40

Water Temp: Surface: 87F Bottom: 80F

Water Visibility: Surface: 20ft Bottom: 30ft

Thermocline Depth: NA

Current direction and speed: NA

Other noted water column characteristics (plankton, algae, jellyfish, turbidity, etc): organic material, comb jellyfish

Description of Bottom Composition: sand

Description of Reef Materials & Quantity: 5 Reefballs

Reef Height (highest point): 3 ft

Reef Physical Condition (Durability and Stability):

Storm damage or movement? If yes, describe: Some sinking

Other damage or movement? If yes, describe: Two have large holes—probably anchor damage

Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Angelfish, Blue		
Baitfish - Round Scad (Cigar Minnows)	1,000+	1-2"
Baitfish - Glass Minnow (Bay Anchovy)		
Baitfish - Menhaden		
Baitfish - Pinfish		
Baitfish, species?		
Barracuda - Guaguanche		
Barracuda-Great		
Batfish, Polka-Dot		
Blenny, Molly Miller		
Blenny, Seaweed	8	1-2"
Blenny, Tessallated		
Butterflyfish, Reef		
Butterflyfish, Spotfin	2	1"
Cardinalfish, Two-Spot		
Cobia (Ling)		
Cowfish, Scrawled		
Croaker, Atlantic		
Chromis - Purple Reeffish		
Chromis - Yellowtail Reeffish		
Damselfish - Cocoa	8	½ - 2"
Damselfish sp?		
Dolphin, sp?		
Drum - Cubbyu		
Eel, species?		
Flounder, Gulf		
Frogfish, Ocellated		
Goby, Blue		
Goby, Bridled		
Goby, species?		
Grouper, Gag	4	6-14"
Grouper, Goliath		
Grouper, Red		
Grouper, Rock Hind		

Grouper, Scamp		
Grunt - Tomtate	100	1-8"
Grunt, White		
Grunt, sp?		
Jack - Blue Runner (Hard Tail)		
Jack - Greater Amberjack		
Jack sp?		
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Blue-Lined		
Mackeral, King		
Mackeral, Spanish	10	18-22"
Mahi		
Porgy sp?		
Porgy - Sheepshead		
Puffer - Balloonfish		
Puffer, Sharpnose		
Ray, Manta		
Ray, Southern Stingray		
Remora (Sharksucker)	1	8"
Sailfish		
Seabass, Bank		
Seabass, Belted Sandfish	15	1-3"
Shark, sp?		
Snapper, Lane	6	8"
Snapper, Gray (Black)		
Snapper, Red	30	8-14"
Snapper, Vermillion (Mingo)		
Soapfish, Whitespotted		
Spadefish, Atlantic	40	10"
Toadfish, Leopard		
Triggerfish, Gray	30	10-14"
Wrasse - Slippery Dick	4	1-3"
Other: Pygmy Sea Bass	1	1"
Black Sea Bass	5	11"

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	1	12"	
Coral - unk gorgonian	2	12"	
Coral - White Telesto			
Bulb Anemone			
Tube Anemone	1	3"	
Hard Corals-Assorted			
Mussels			
Oyster, sp?			
Scallops sp?			
Sponges			

Other:

Description of Invertebrates on Reef:

Species	Quantity	Size
Cowry - Atlantic Deer		
Cowry - Spotted Cyphoma		
Crab, Blue		
Crab, Stone	1	3"
Crab, Sargassum Swimming		
Crab, Stareye Hermit		
Crab, Yellowline Arrow	5	1-2"
Crab, species?	1	2"
Lobster, Shovelnose		
Lobster, Spiny		
Sea Cucumber	1	8"
Sea Slug, Species?		
Sea Urchin	50	3"
Snail - Atlantic Harry Triton		
Snail - Giant Eastern Murex		
Snail - Netted Olive		
Snail - Queen Helmet		
Snail - Spiny Murex	1	3"
Snail - True Tulip		
Snail- Florida Horse Conch		
Invertebrate, species?		

Other: Moon Jellyfish

4

8"







