

# MBARA Diver's Reef Survey Form

Updated 4 April 2010

Reef Site Name: MB 108 Marquardts Off Shore Classic

Position Readings:

GPS Manufacturer & model: Garmin 76

N Lat.: 29 44.515

W Lon.: 85 42.719

Sonar Depth: 102 ft.

Survey Date & Time: 29 May 2010/Time not recored

Weather conditions and sea state: Cloudy/1-2 ft.

Boat Name: Alley Cat

Boat Captain: Ron Childs

Dive Leader: Ron Childs

Dive Team Members: Jimmy Nicholson

Diver Observations

Computer/Depth Gauge Depth: 103

Diver Bottom Time on Survey: 15 min

Water Temp: Surface: 80

Bottom: 66

Water Visibility: Surface: 70

Bottom: 70

Thermocline Depth: No significant thermocline detected.

Current direction and speed: S <1 kt

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

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

Sand and silt.

Description of Reef Materials & Quantity:

2 Florida Limestone Artificial Reefs & 2 Grouper Havens deployed 19 Jun 2009.

Reef Height (highest point): 10 ft.

Reef Physical Condition (Durability and Stability): Good.

Storm damage or movement? If yes, describe: None.

Other damage or movement? If yes, describe: None.

## Fish Count:

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

Grouper, Rock Hind		
Grouper, Scamp		
Grunt - Tomtate	30	
Grunt, species?		
Grunt, White		
Jack - Bluefish		
Jack - Greater Amberjack		
Jack species unknown		
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Blue-Lined		
Mackerel, King		
Mackerel, Spanish		
Mahi		
Porgy species unknown	10	
Porgy - Sheepshead		
Puffer - Balloonfish		
Puffer, Sharpnose		
Ray, Manta		
Ray, Southern Stingray		
Remora (Sharksucker)		
Sailfish		
Seabass, Bank		
Seabass, Belted		
Shark, species?		
Snapper, Bigeye		
Snapper, Gray (Black)		
Snapper, Red	100	
Snapper, Vermillion (Mingo)		
Soapfish, Whitespotted		
Spadefish, Atlantic		
Toadfish, Leopard		
Triggerfish, Gray		
Wrasse - Slippery Dick		

Other:

## Description of Biological Growth on Reef:

Species	Quantity/Area of Coverage (% of area or dimensions)	Size	Color
Algae	20%		Green?
Barnacles	40%		
Christmas Tree Worm			
Coral - Colorful Sea Whip			
Coral - unidentified gorgonian			
Coral - White Telesto			
Anemone Unknown			
Tube Anemone			
Hard Corals-Assorted			
Mussels			
Oyster, species?			
Sea Scallop			
Sponges	10		

### 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?		
Lobster, Shovelnose		
Lobster, Spinny		
Sea Cucumber		
Sea Slug, Species?	5	
Sea Urchin	100	
Snail - Atlantic Harry Triton		
Snail - Giant Eastern Murex		
Snail - Netted Olive		
Snail - Queen Helmet		
Snail - Spiny Murex		
Snail - True Tulip		
Snail- Florida Horse Conch		
Snail- Gulfstream Topsnail		
Invertebrate, species?		

**Other:** Octopus – 2 each. Color: orange/brown 14 – 24”

### Marine Amphibians:

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

### Other:

### Other Observations: