

# MBARA Diver's Reef Survey Form

Updated 8 Aug 2010

Reef Site Name: MB 121 Stewart Unkles Jr. Memorial Reef

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29 54.720 W Lon.: 85 32.602

Sonar Depth: 60'

Survey Date & Time: 29 Sep 2010/1445

Weather conditions and sea state: Sunny, North wind 10-15kts, sea 2-3'

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Diver Observations

Computer/Depth Gauge Depth: 61'

Diver Bottom Time on Survey: :25

Water Temp: Surface: 82F Bottom: 80F

Water Visibility: Surface: 15' Bottom: 40'

Thermocline Depth: 50'

Current direction and speed: From West at .5kts

Other noted water column characteristics (plankton, algae, jellyfish, turbidity, etc): Moon Jellyfish, Cone Jellies, and small organic matter.

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

Sand

Description of Reef Materials & Quantity: One Florida Special made with steel and steel reinforced concrete. Deployed 28 Sep 2010 as a memorial to Stewart Unkles Jr., USMMA '44

Reef Height (highest point): 10'

Reef Physical Condition (Durability and Stability): New

Storm damage or movement? If yes, describe:

Other damage or movement? If yes, describe:

## Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Angelfish, Blue		
Baitfish - Round Scad (Cigar Minnows)	1	5"
Baitfish – Glass Minnow (Bay Anchovy)		
Baitfish - Menhaden		
Baitfish - Pinfish		
Baitfish, species?		
Barracuda - Guaguanche		
Barracuda-Great		
Batfish, Polka-Dot		
Blenny, Molly Miller		
Blenny, Seaweed		
Blenny, Tessallated		
Bonito		
Butterflyfish, Reef		
Butterflyfish, Spotfin		
Cardinalfish, Two-Spot		
Cobia (Ling)		
Cowfish, Scrawled		
Croaker, Atlantic		
Chromis - Purple Reeffish		
Chromis - Yellowtail Reeffish		
Damselfish - Cocoa		
Damselfish sp?		
Dolphin, sp?		
Drum - Cubbyu	3	3"
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	40	2-4"
Grunt, White		
Grunt, sp?		
Jack – Blue Runner (Hard Tail)	3	3-4"
Jack - Greater Amberjack		
Jack, Yellow	1	3-4"
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Blue-Lined		
Mackeral, King		
Mackeral, Spanish	4	18-22"
Mahi		
Margate, Black		
Porgy, Saucereye		
Porgy - Sheepshead		
Puffer - Balloonfish		
Puffer, Sharpnose		
Ray, Manta		
Ray, Southern Stingray		
Remora (Sharksucker)		
Sailfish		
Seabass, Bank	1	4"
Seabass, Belted Sandfish		
Shark, sp?		
Snapper, Bigeye		
Snapper, Gray (Black)		
Snapper, Red	20	.5-2"
Snapper, Vermillion (Mingo)	10	2"
Soapfish, Whitespotted		
Spadefish, Atlantic		
Toadfish, Leopard		
Triggerfish, Gray		
Wrasse - Slippery Dick	1	2"

### Other:

Sand Perch	5	4-6"
Lane Snapper	20	.5-2"

## 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			
Coral - White Telesto			
Bulb Anemone			
Tube Anemone			
Hard Corals-Assorted			
Mussels			
Oyster, sp?			
Scallops sp?			
Sponges			

**Other:**

## Description of Invertebrates on Reef:

Species	Quantity	Size
Cowry - Atlantic Deer		
Cowry - Spotted Cyphoma		
Cowry, West Indian Simnia		
Crab, Blue		
Crab, Rock		
Crab, Sargassum Swimming		
Crab, Stareye Hermit		
Crab, Yellowline Arrow		
Crab, species?		
Lobster, Shovelnose		
Lobster, Spiny		
Sea Cucumber		
Sea Slug, Species?		
Sea Urchin		
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: Banded Sea Star 1 10"**

**Beaded Sea Star 1 6"**

## Marine Amphibians:

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

## Other:

## Other Observations:





















