

MBARA F k x Reef Survey Form

Updated 8 Aug 2010

Reef Site Name: MB 120 Hannon Smith Memorial Reef

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29 54.578 W Lon.: 85 32.339

Sonar Depth: 7 ; \emptyset

Survey Date & Time: 29 Sep 2010/1150

Weather conditions and sea state: Sunny, North wind 10-15kts, sea 2- 5 \emptyset

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Diver Observations

Computer/Depth Gauge Depth: 8 2 \emptyset

Diver Bottom Time on Survey: :25

Water Temp: Surface: 82F Bottom: 80F

Water Visibility: Surface: 3 7 \emptyset Bottom: 6 2 \emptyset

Thermocline Depth: 7 2 \emptyset

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 Artificial Limestone Reef made with steel reinforced concrete and limestone with a plaque. Deployed 28 Sep 2010 as a memorial to Hannon C. Smith.

Reef Height (highest point): : \emptyset

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)		
Baitfish Glass Minnow (Bay Anchovy)	45	
Baitfish Menhaden		
Baitfish Pinfish		
Baitfish, species?		
Barracuda Guaguanche		
Barracuda Great		
Batfish, Polka Dot		
Blenny, Molly Miller		
Blenny, Seaweed		
Blenny, Tessellated		
Bonito		
Butterflyfish, Reef		
Butterflyfish, Spotfin		
Cardinalfish, Twospot		
Cobia (Ling)		
Cowfish, Scrawled		
Croaker, Atlantic		
Chromis Purple Reeffish		
Chromis Yellowtail Reeffish		
Damselfish Cocoa		
Damselfish sp?		
Dolphin, sp?		
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		
Grunt, White		
Grunt, sp?		
Jack Blue Runner (Har Tail)	4	3-
Jack- Greater Amberjack		
Jack Yellow Tailed		
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Bluntnosed		
Mackeral, King		
Mackeral, Spanish		
Mahi		
Margate, Black		
Porgy Saucereye		
Porgy Sheepshead		
Puffer Balloonfish		
Puffer, Sharpnose		
Ray, Manta		
Ray, Southern Stingray		
Whitefin sharksucker	2	18-
Sailfish		
Seabass, Bank		
Seabass, Belted Sandfish		
Shark, sp		
Snapper, Bigeye		
Snapper, Gray (Black)		
Snapper, Red	10	.5-3
Snapper, Vermillion (Mingo)		
Soapfish, Whitespotted		
Spadefish, Atlantic		
Toadfish, Leopard		
Triggerfish, Gray		
Wrasse Slippery Dick		

Other:

Sand Perch	9	4- 8 ö
Lane Snapper	10	.5- 4 ö
Pygmy Filefish	1	4 ö

Description of Biological Growth on Reef:

Species	Quantity/ Area of Coverage (% of area or dimension)	Size	Color
Algae			
Barnacles			
Feather dusters	11 at base of tube anemone		white
Coral- Colorful Sea Whip			
Coral- unkgorgonian			
Coral- White Telesto			
Bulb Anemone			
Tube Anemone	8 (in a cluster)	1-	White/orange
Hard Coral- Assorted			
Mussels			
Oyster, sp			
Scallop 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	3	3-
Crab, Stareye Hermit		
Crab, Yellowline Arrow		
Crab, species?		
Lobster Shovelnose		
Lobster, sp		
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:

Marine Amphibians:

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

Other:

Other Observations:











