MBARA Diver's Reef Survey Form Rev 11 May 2013

Reef Number and Name 7 Grouper Reef
Latitude 29 54.388 Longitude 85 24.272 Was published lat/lon correct? Yes
GPS Manufacturer & Model: Garmin 188C
Sonar Depth (feet) 26 Survey Date Nov 11, 2013 Time 1210
Weather Conditions Sunny Sea Condition Calm
Boat Name Bobcat Boat Captain Bob Cox
Dive Leader Bob Cox
Dive Team Members Carol Cox
Depth Gauge Depth (feet) 26 Diver Bottom Time (minutes) 30
Water Temp Surface (Fahrenheit) 70 Water Temp Bottom (Fahrenheit) 68
Water Visibility Surface (feet) 20 Water Visibility Bottom (feet) 20
Thermocline Depth (feet) 20 Current Direction Current Speed (knots)
Other Water Column Characteristics (check all that apply)
\Box Plankton \Box Algae \Box Jellyfish \ltimes Turbid \boxtimes Other Green water
Bottom Composition (check all that apply)
\overline{X} Sand \overline{X} Silt \Box Mud \Box Gravel \overline{X} Shell \Box Other
Reef Materials & Quantity 5 Reef Balls
Reef Height at Highest Point (measured from base to top of the reef)(feet) 3
Physical Condition (Durability, stability, storm damage, other damage or movement):
 No damage Minor damage Moderate damage Major damage Moderate movement Major movement
Explain damage/movement and suspected cause Found 4 of 5 Reef Balls. Due to low

Clear Form

Fish Counts (Click on the hyper-links below for identification)

Angelfish-Blue	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Angelfish-Queen	○ 1	0 2-10	0 () 11-100	○ 101+	Length (inches)	Comments
Barracuda-Great	O 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Barracuda-Guaguanche	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Batfish-Polka-Dot	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Blenny-Molly-Miller	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Blenny-Seaweed	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Blenny-Tessellated	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Blenny?	<u> </u>	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Butterflyfish-Spotfin	<u> </u>	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Butterflyfish?	<u> </u>	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Cardinalfish-Two-Spot	<u> </u>	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Cobia (Ling)	<u> </u>	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Cowfish-Scrawled	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Damselfish-Cocoa	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Damselfish?	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Dolphin?	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
✓ Drum-Cubbyu	○ 1	2-10	0 11-100	○ 101+	Length (inches) 1	Comments Juveniles
Drum-Jackknifefish	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Eel?	<u> </u>	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Flounder-Gulf	O 1	○ 2-10	○ 11-100	○ 101+	Length (inches)	Comments
Filefish?	1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments Planehead
Frogfish-Ocellated	• 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Goby-Spotted	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments
Goby?	○ 1	○ 2-10	0 11-100	○ 101+	Length (inches)	Comments

✓ Grouper-Gag	○ 1	2-10 11-100 101+	Length (inches)	Comments
Grouper-Goliath	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grouper-Graysby	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grouper-Red	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grouper-Rock-Hind	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grouper-Scamp	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grunt-Juvenile	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grunt-Tomtate	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grunt-White	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Grunt?	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Hogfish	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Hogfish-Spanish	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Jack-Blue-Runner	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Jack-Greater-Amberjack	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Jack-Lookdown	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
<u>Jack-Rainbow-Runner</u>	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
─_ <u>Jack-Round-Scad-Cigar-</u> ─_ <u>Minnow</u>	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Jack?	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Lionfish	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Lizardfish?	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Mackeral-King	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Mackeral-Spanish	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
<u> </u>	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Pinfish?	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Porgy-Saucereye	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments
Porgy-Sheepshead-Porgy	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches)	Comments

✓ Porgy-Sheepshead	• 1	○ 2-10) () 11-100 () 101+	Length (inches)	Comments
Porgy?	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Puffer-Bandtail	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Puffer-Sharpnose	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
<mark>⊠Puffer?</mark>	• 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments Striped Burrfish
Ray?	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
<u>Shark?</u>	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Sharksucker-Sharksucker	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Sharksucker-Whitefin	01	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Sand-Perch	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Seabass-Bank	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Seabass-Belted-Sandfish	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Seabass-Black	<u> </u>	2-10	0 (11-100 (101+	Length (inches)	Comments
Seabass-Pygmy	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Seabass?	○ 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Snapper-Gray	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Snapper-Lane	○ 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Snapper-Red	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Snapper-Vermillion	○ 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Snapper?	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Spadefish-Atlantic	O 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Toadfish-Leopard	○ 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Triggerfish-Gray	○ 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Wrasse-Slippery-Dick	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Unlisted-See-Comments	○ 1	○ 2-10) () 11-100 () 101+	Length (inches)	Comments
Unlisted-See-Comments	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Unlisted-See-Comments	○ 1	0 2-10) () 11-100 () 101+	Length (inches)	Comments

Growth on Reef (Click on the hyper-links below for identification)

Algae	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Anemone	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
✓ Barnacles	○ 1-25% ○ 26-50% ● 51-75% ○ 76-100% Size (inches) Describe	
<u>Bivalves</u>	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Coral-Colorful-Sea-Whip	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Coral-Hard-Unkown	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Coral-Gorgonian	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Coral-Occulina	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Coral-White-Telesto	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Feather-Duster-Worms	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Sponges	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Unlisted-See-Comments	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	

Invertebrates at Reef (Click on the hyper-links below for identification)

Cowry-Spotted-Cyphoma	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments	-
Cowry-West-Indian-Simnia	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Crab-Swimming	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	_
Crab-Stareye-Hermit	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Crab-Stone	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Crab-Yellowline-Arrow	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Crab?	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Lobster-Shovelnose	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Lobster-Spiny	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
✓ Octopus	○ 1	2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Sea-Cucumber	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	-
Sea-Slug	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Sea-Star	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Sea-Urchin	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	

Snail-Atlantic-Hairy-Triton	<u> </u>	○ 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Snail-Murex	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Snail-Netted-Olive	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Snail-Florida-Horse-Conch	• 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtles and Air Bre	athers/	Mamm	als (Clic	k on the	hyper-link	s below	v for identification)
Turtle-Green	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtle-Leatherback	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtle-Loggerhead	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtle?	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Whale?	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments

Other Observations/Photos:

Observations	Found 4 of 5 Reef Balls. Due to low visibility and scattered deployment, could not find number 5.
Photos? Yes	Attached? Yes
Video? Yes	

Print Form





Image Field



Image Field



Image Field





Image Field



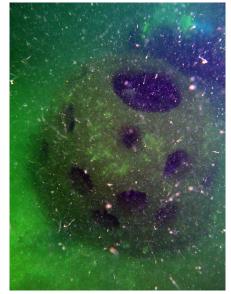


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