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. |
|----------------|---|
| | |
| | |
| | |
| | |
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| | |
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| | |
| | |
| | |
| Photos? Yes | Attached? Yes |
| Video? Yes | |

Print Form





Image Field



Image Field



Image Field





Image Field



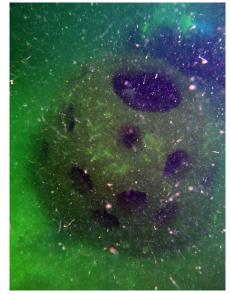


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