| MBARA Diver's Reef Survey Form Rev 11 May 2013 Clear Form | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Reef Number and Name 141 John Thompson Memorial Reef | | | | | | | | |
| Latitude (00 00.000) 29 54.168 Longitude (00 00.000) 85 27.972 Was published lat/lon correct? Yes | | | | | | | | |
| GPS Manufacturer & Model: Garmin 188C | | | | | | | | |
| Sonar Depth (feet) 22 Survey Date Jul 5, 2014 Time 1500 | | | | | | | | |
| Weather Conditions Sunny Sea Condition 1 | | | | | | | | |
| Boat Name Bob Cat Boat Captain Bob Cox | | | | | | | | |
| Dive Leader Bob Cox | | | | | | | | |
| Dive Team Members Carol Cox, Brian and Kimberly Higdon | | | | | | | | |
| Depth Gauge Depth (feet) 23 Diver Bottom Time (minutes) 60 | | | | | | | | |
| Water Temp Surface (Fahrenheit) 80 Water Temp Bottom (Fahrenheit) 76 | | | | | | | | |
| Water Visibility Surface (feet) 20 Water Visibility Bottom (feet) 30 | | | | | | | | |
| Thermocline Depth (feet) Current Direction Current Speed (knots) | | | | | | | | |
| Other Water Column Characteristics (check all that apply) | | | | | | | | |
| $oxed{oxtimes}$ Plankton $oxtimes$ Algae $oxtimes$ Jellyfish $oxtimes$ Turbid $oxtimes$ Other | | | | | | | | |
| Bottom Composition (check all that apply) | | | | | | | | |
| Sand Silt Mud Gravel Shell Other Other | | | | | | | | |
| Reef Materials & Quantity 26 pieces artificial reefs | | | | | | | | |
| Reef Height at Highest Point (measured from base to top of the reef)(feet) 8 | | | | | | | | |
| Physical Condition (Durability, stability, storm damage, other damage or movement): | | | | | | | | |
| No damage | | | | | | | | |
| Explain damage/movement and suspected cause Grouper units and Lindberghs >50% | | | | | | | | |

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

| Angelfish-Blue | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
|---------------------------------|---------------------|------------------------|--------------------------|--------|----------------------|--------------------|
| Angelfish-Queen | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Barracuda-Great | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Barracuda-Guaguanche | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Batfish-Polka-Dot | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Blenny-Molly-Miller | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Blenny-Seaweed | O 1 | <u> </u> | 11-100 | O 101+ | Length (inches) 2 | Comments |
| Blenny-Tessellated | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ⊠Blenny? | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) 1 | Comments Zebratail |
| ✓ Butterflyfish-Spotfin | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) 2 | Comments |
| Butterflyfish? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Cardinalfish-Two-Spot | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Chromis-Purple-Reeffish | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Chromis-Yellowtail- Reeffish | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Cobia (Ling) | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Cowfish-Scrawled | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Damselfish-Cocoa | O 1 | <u> </u> | 11-100 | O 101+ | Length (inches) .5-3 | Comments |
| Damselfish? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Dolphin? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Drum-Cubbyu | O 1 | <u> </u> | 11-100 | O 101+ | Length (inches) | Comments |
| Drum-Jackknifefish | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Eel? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Flounder-Gulf | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Filefish? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Frogfish-Ocellated | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Goby-Spotted | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Goby? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |

| ✓ Grouper-Gag | <u> </u> | <u> </u> | 11-100 | O 101+ | Length (inches) 12-24 | Comments |
|----------------------------------|---------------------|------------------------|--------------------------|--------|-----------------------|----------|
| ✓ Grouper-Goliath | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Grouper-Graysby | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Grouper-Red | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Grouper-Rock-Hind | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Grouper-Scamp | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Grunt-Juvenile | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Grunt-Tomtate | <u> </u> | <u> </u> | <u> </u> | 101+ | Length (inches) 1-6 | Comments |
| ✓ Grunt-White | O 1 | <u> </u> | 11-100 | O 101+ | Length (inches) 3 | Comments |
| Grunt? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ☐ Hogfish | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Hogfish-Spanish | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ☐ Jack-Almaco-Lesser-AJ | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Jack-Blue-Runner | <u> </u> | <u> </u> | 11-100 | O 101+ | Length (inches) 7 | Comments |
| √ Jack-Greater-Amberjack | <u> </u> | 2-10 | <u> </u> | O 101+ | Length (inches) 12 | Comments |
| <u> □Jack-Lookdown</u> | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Jack-Round-Scad-Cigar- Minnow | O 1 | <u> </u> | <u> </u> | 101+ | Length (inches) | Comments |
| Jack? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Lionfish | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Lizardfish? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Mackeral-King | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Mackeral-Spanish | <u> </u> | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| <u>Mahi</u> | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Minnows-Glass-Small-Fry | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Pinfish? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Porgy-Saucereye | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| | | | | | | |

| Porgy-Sheepshead | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
|---------------------------|---------------------|------------------------|--------------------------|--------|---------------------|---------------------------|
| Porgy? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Puffer-Bandtail | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Puffer-Sharpnose | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Puffer? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Ray? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓Shark? | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) 106 | Comments tiger and one |
| Sharksucker-Sharksucker | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Sharksucker-Whitefin | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Sand-Perch | O 1 | <u> </u> | 11-100 | O 101+ | Length (inches) | Comments |
| Seabass-Bank | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Seabass-Belted-Sandfish | <u> </u> | <u> </u> | 11-100 | O 101+ | Length (inches) | Comments |
| Seabass-Black | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Seabass-Pygmy | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Seabass? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Snapper-Gray | <u> </u> | <u> </u> | 11-100 | O 101+ | Length (inches) | Comments |
| ✓ Snapper-Lane | <u> </u> | <u> </u> | 11-100 | O 101+ | Length (inches) | Comments |
| Snapper-Red | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Snapper-Vermillion | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Snapper? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Soapfish-Whitespotted | <u> </u> | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Spadefish-Atlantic | <u> </u> | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Toadfish-Leopard | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ▼ Triggerfish-Gray | <u> </u> | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Wrasse-Slippery-Dick | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Unlisted-See-Comments | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments nurse shark |
| ✓ Unlisted-See-Comments | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) 2 | Comments pearly razorfish |
| Unlisted-See-Comments | O 1 | <u> </u> | <u> </u> | O 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 Describe ○ 1-25% **③** 26-50% ○ 51-75% ○ 76-100% Size (inches) **▼**Barnacles Describe **▼** Bivalves Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Colorful-Sea-Whip Describe Coral-Hard-Unkown ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Gorgonian Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Occulina 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 ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) □Unlisted-See-Comments Describe Invertebrates at Reef (Click on the hyper-links below for identification) Cowry-Spotted-Cyphoma 1 O 2-10 O 11-100 O 101+ Size (inches) Comments Cowry-West-Indian-Simnia 1 O 2-10 O 11-100 O 101+ Comments Size (inches) Crab-Swimming O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments Crab-Stareye-Hermit \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Comments Size (inches) Crab-Stone O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches) Crab-Yellowline-Arrow \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments O 2-10 O 11-100 O 101+ Crab? \bigcirc 1 Size (inches) Comments Lobster-Shovelnose \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments Lobster-Spiny O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments **Octopus** ○ 2-10 ○ 11-100 ○ 101+ \bigcirc 1 Size (inches) Comments Sea-Cucumber O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments Sea-Slug \bigcirc 1 O 2-10 O 11-100 O 101+ Comments Size (inches) Sea-Star O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches)

O 2-10 O 11-100 O 101+

Size (inches)

 \bigcirc 1

Sea-Urchin

Comments

| Snail-Atlantic-Hairy-Triton | <u> </u> | O 2-10 | <u> </u> | 101+ | Size (inches) | Comments | | |
|--|----------|----------|------------|----------|-------------------|---------------------|--|--|
| Snail-Murex | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Snail-Netted-Olive | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Snail-Florida-Horse-Conch | O 1 | <u> </u> | <u> </u> | <u> </u> | Size (inches) | Comments | | |
| Unlisted-See-Comments | O 1 | <u> </u> | <u> </u> | <u> </u> | Size (inches) | Comments | | |
| Turtles and Air Bre | athers/ | 'Mamm | als (Click | on the | hyper-links below | for identification) | | |
| Turtle-Green | O 1 | <u> </u> | <u> </u> | <u> </u> | Size (inches) | Comments | | |
| Turtle-Leatherback | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Turtle-Loggerhead | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Turtle? | O 1 | <u> </u> | <u> </u> | <u> </u> | Size (inches) | Comments | | |
| Whale? | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | O 1 | <u> </u> | <u> </u> | 101+ | Size (inches) | Comments | | |
| ✓ Other Observatio | ns/Pho | tos: | | | | | | |
| Observations Bob observed and captured video of large Nurse Shark being followed by a Tiger Shark. The pursuit did not appear to be aggressive. Photos? Yes Attached? Yes | | | | | | | | |
| | | | | | | | | |



Image Field



Image Field



Image Field

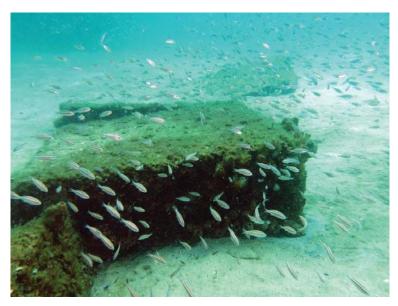


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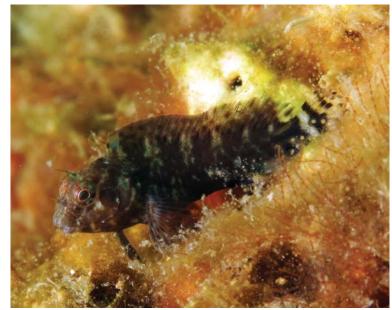


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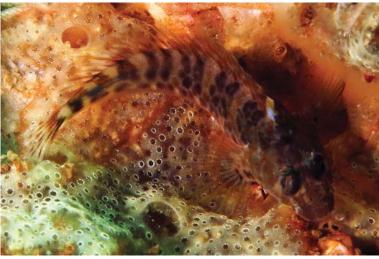


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