| MBARA Diver's Reef Survey Form Rev 11 May 2013 Clear Form | | | | | | | |
|---|---------|--|--|--|--|--|--|
| Reef Number and Name 251 Unnamed Reef | | | | | | | |
| Latitude (00 00.000) 29 55.410 Longitude (00 00.000) 85 40.200 Was published lat/lon correct? | Yes | | | | | | |
| GPS Manufacturer & Model: SIMRAD EVO3 NSS9 | | | | | | | |
| Sonar Depth (feet) 78 Survey Date Jun 20, 2020 Time 1030 | | | | | | | |
| Weather Conditions 10% cloudy Sea Condition 1 ft | | | | | | | |
| Boat Name Bobcat Bob Cox | | | | | | | |
| Dive Leader Carol Cox | | | | | | | |
| Dive Team Members Carol Cox and Kimberly Higdon | | | | | | | |
| Depth Gauge Depth (feet) 78 Diver Bottom Time (minutes) 49 | | | | | | | |
| Water Temp Surface (Fahrenheit) 82 Water Temp Bottom (Fahrenheit) 76 | | | | | | | |
| Water Visibility Surface (feet) 40 Water Visibility Bottom (feet) 25 | | | | | | | |
| Thermocline Depth (feet) 45 Current Direction SE Current Speed (knots) | Weak | | | | | | |
| Other Water Column Characteristics (check all that apply) | | | | | | | |
| \square Plankton \square Algae \boxtimes Jellyfish \boxtimes Turbid \square Other | | | | | | | |
| Bottom Composition (check all that apply) | | | | | | | |
| ⊠ Sand □ Silt □ Mud □ Gravel ⊠ Shell □ Other □ | | | | | | | |
| Reef Materials & Quantity 6 superreefs w/ecosystems, 4 FLAR | | | | | | | |
| Reef Height at Highest Point (measured from base to top of the reef)(feet) 15 | | | | | | | |
| Physical Condition (Durability, stability, storm damage, other damage or movement): | | | | | | | |
| No damage | ovement | | | | | | |
| Explain damage/movement and suspected cause | | | | | | | |

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

| • | | , , | | | • | |
|---------------------------------|---------------------|------------------------|--------------------------|------------------------|-----------------|----------|
| Angelfish-Blue | O 1 | 2-10 | <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 | 2-10 | <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> | O 11-100 | 101+ | Length (inches) | Comments |
| Blenny-Tessellated | O 1 | <u> </u> | O 11-100 | O 101+ | Length (inches) | Comments |
| Blenny? | O 1 | <u> </u> | O 11-100 | O 101+ | Length (inches) | Comments |
| Butterflyfish-Spotfin | O 1 | <u> </u> | O 11-100 | O 101+ | Length (inches) | Comments |
| Butterflyfish? | O 1 | <u> </u> | O 11-100 | O 101+ | Length (inches) | Comments |
| ✓ Cardinalfish-Two-Spot | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Chromis-Purple-Reeffish | O 1 | <u> </u> | O 11-100 | O 101+ | Length (inches) | Comments |
| Chromis-Yellowtail- Reeffish | 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) | 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> | O 11-100 | O 101+ | Length (inches) | Comments |
| Eel? | O 1 | <u> </u> | O 11-100 | 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? | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |

| √ Grouper-Gag | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
|----------------------------------|---------------------|------------------------|----------|------------------------|---------------------|----------|
| ✓ Grouper-Goliath | 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) >5' | 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 | O 1 | <u> </u> | <u> </u> | 101+ | Length (inches) | Comments |
| Grunt-White | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Grunt? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ☐ Hogfish | O 1 | <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 | O 1 | <u> </u> | <u> </u> | 101+ | Length (inches) | Comments |
| Jack-Blue-Runner | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Jack-Greater-Amberjack | O 1 | <u> </u> | <u> </u> | 101+ | Length (inches) | Comments |
| <u> □Jack-Lookdown</u> | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| √ Jack-Rainbow-Runner | 1 | <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? | O 1 | <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 | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Mackeral-Spanish | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| <mark>√</mark> <u>Mahi</u> | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Minnows-Glass-Small-Fry | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Pinfish? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Porgy-Saucereye | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Porgy-Sheepshead-Porgy | <u> </u> | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |

| Porgy-Sheepshead | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
|----------------------------|----------|------------------------|----------|------------------------|-----------------|-------------------------|
| Porgy? | O 1 | O 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Puffer-Bandtail | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Puffer-Sharpnose | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Puffer? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Ray? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Shark? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Sharksucker-Sharksucker | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Sharksucker-Whitefin | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Sand-Perch | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Seabass-Bank | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Seabass-Belted-Sandfish | O 1 | 2-10 | <u> </u> | 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 | O 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Snapper-Gray | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Snapper-Lane | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ✓ Snapper-Red | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Snapper-Vermillion | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Snapper? | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| Soapfish-Whitespotted | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| | O 1 | 2-10 | <u> </u> | O 101+ | Length (inches) | Comments |
| Toadfish-Leopard | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| ▼ Triggerfish-Gray | O 1 | 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 | O 1 | <u> </u> | <u> </u> | 101+ | Length (inches) | Comments Painted wrasse |
| Unlisted-See-Comments | O 1 | <u> </u> | <u> </u> | O 101+ | Length (inches) | Comments |
| 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 ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Anemone Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) ☐ Barnacles Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **☐** 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 O 2-10 O 11-100 O 101+ \bigcirc 1 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 ○ 2-10 ○ 11-100 ○ 101+ Comments Size (inches) Sea-Star \bigcirc 1 O 2-10 O 11-100 O 101+ Comments Size (inches) Sea-Urchin O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches)

| Snail-Atlantic-Hairy-Triton | <u> </u> | ○ 2-10 ○ 11-100 ○ 101+ | Size (inches) | Comments | | |
|-----------------------------|---------------|-------------------------------------|------------------------------|--------------------------------|--|--|
| Snail-Murex | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Snail-Netted-Olive | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Snail-Florida-Horse-Conch | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Turtles and Air Bre | athers/ | /Mammals (Click on th | e hyper-links belov | v for identification) | | |
| Turtle-Green | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Turtle-Leatherback | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Turtle-Loggerhead | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Turtle? | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Whale? | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | <u> </u> | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | <u> </u> | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Unlisted-See-Comments | O 1 | O 2-10 O 11-100 O 101+ | Size (inches) | Comments | | |
| Other Observatio | ns/Pho | otos: | | | | |
| Observations Divers saw | all structure | es except 1 FLAR. They ran out of b | ottom time before finding ma | king it to the last structure. | | |
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| | | | | | | |
| Photos? Yes Attached? Yes | | | | | | |
| Video? No | | | | | | |
| 10 | | | | | | |



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