MBARA Diver's Reef Survey Form Rev 11 May 2013 Clear Form							
Reef Number and Name 161 Unnamed Reef							
Latitude (00 00.000) Longitude (00 00.000) Was published lat/lon correct? Yes							
GPS Manufacturer & Model: SIMRAD EVO3 NSS9							
Sonar Depth (feet) 101 Survey Date Jun 28, 2020 Time 1300							
Weather Conditions 50% clouds Sea Condition 1-2 feet							
Boat Name Bobcat Boat Captain Bob Cox							
Dive Leader Carol Cox							
Dive Team Members Carol Cox and Kimberly Higdon							
Depth Gauge Depth (feet) 107 Diver Bottom Time (minutes) 40							
Water Temp Surface (Fahrenheit) 84 Water Temp Bottom (Fahrenheit) 74							
Water Visibility Surface (feet) 70 Water Visibility Bottom (feet) 10							
Thermocline Depth (feet) Current Direction Current Speed (knots) weak							
Other Water Column Characteristics (check all that apply)							
oxtimes Plankton $oxtimes$ Algae $oxtimes$ Jellyfish $oxtimes$ Turbid $oxtimes$ Other							
Bottom Composition (check all that apply)							
⊠ Sand □ Silt □ Mud □ Gravel □ Shell □ Other □							
Reef Materials & Quantity 3 superreefs with ecosystems on top							
Reef Height at Highest Point (measured from base to top of the reef)(feet) 16							
Physical Condition (Durability, stability, storm damage, other damage or movement):							
 ○ No damage							
Explain damage/movement and suspected cause 1 on side w/eco intact, 1 on side w/eco							

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	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
▼ Barracuda-Great	1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Barracuda-Guaguanche	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Batfish-Polka-Dot	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Blenny-Molly-Miller	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Blenny-Seaweed	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Blenny-Tessellated	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Blenny?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Butterflyfish-Spotfin	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Butterflyfish?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Cardinalfish-Two-Spot	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Cobia (Ling)	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Cowfish-Scrawled	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Damselfish-Cocoa	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Damselfish?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Dolphin?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Drum-Cubbyu	O 1	2-10	<u> </u>	○ 101+	Length (inches)	Comments
Drum-Jackknifefish	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Eel?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Flounder-Gulf	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Filefish?	O 1	O 2-10	O 11-100	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>	2-10	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Goliath	<u> </u>	<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>	○ 101+	Length (inches)	Comments
Grouper-Rock-Hind	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Scamp	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
⊠Grunt-Juvenile	<u> </u>	2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Grunt-Tomtate	<u> </u>	<u> </u>	<u> </u>	101+	Length (inches)	Comments
Grunt-White	<u> </u>	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Grunt?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Hogfish	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Hogfish-Spanish	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Jack-Almaco-Lesser-AJ	O 1	<u> </u>	11-100	O 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	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Round-Scad-Cigar- Minnow	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Lionfish	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Lizardfish?						
	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Mackeral-King	11		11-10011-100		Length (inches)	Comments Comments
		<u> </u>		O 101+		
Mackeral-King	O 1	2-102-10	O 11-100	○ 101+○ 101+	Length (inches)	Comments
Mackeral-King Mackeral-Spanish	○ 1 ○ 1	2-102-102-10	11-10011-100	101+101+101+	Length (inches)	Comments Comments
Mackeral-King Mackeral-Spanish Mahi	111	2-102-102-102-10	11-10011-10011-100	101+101+101+101+	Length (inches) Length (inches) Length (inches)	Comments Comments
Mackeral-King Mackeral-Spanish Mahi Minnows-Glass-Small-Fry	11111	2-102-102-102-102-10	11-10011-10011-10011-100	101+101+101+101+101+	Length (inches) Length (inches) Length (inches) Length (inches)	Comments Comments Comments Comments

Porgy-Sheepshead	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Porgy?	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Puffer-Bandtail	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Puffer-Sharpnose	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Puffer?	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Ray?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓Shark?	<u> </u>	2-10	<u> </u>	O 101+	Length (inches)	Comments bull shark
Sharksucker-Sharksucker	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sand-Perch	<u> </u>	<u> </u>	<u> </u>	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>	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Pygmy	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass?	<u> </u>	<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>	<u> </u>	○ 101+	Length (inches)	Comments
✓ Snapper-Red	<u> </u>	<u> </u>	<u> </u>	101+	Length (inches)	Comments
✓ Snapper-Vermillion	O 1	<u> </u>	<u> </u>	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>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Toadfish-Leopard	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
 ✓ Triggerfish-Gray	<u> </u>	<u> </u>	11-100	O 101+	Length (inches)	Comments
Wrasse-Slippery-Dick	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Unlisted-See-Comments	1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments townsend
✓ Unlisted-See-Comments	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments painted wrasse
Unlisted-See-Comments	<u> </u>	<u> </u>	<u> </u>	○ 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	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Snail-Murex	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Snail-Netted-Olive	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Snail-Florida-Horse-Conch	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Turtles and Air Bre	athers/	'Mamm	nals (Clic	k on the	hyper-links belo	w for identification)
Turtle-Green	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Turtle-Leatherback	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Turtle-Loggerhead	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Turtle?	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Whale?	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Other Observatio	ns/Pho	tos:				
Observations						
Photos? Yes Attached?						
Video?	Yes					
No						

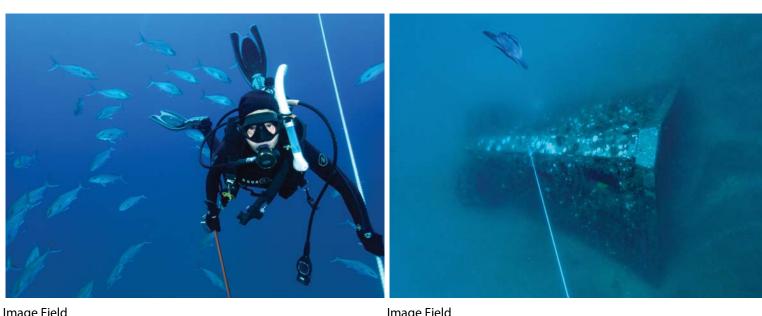


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