MBARA Diver's Reef Survey Form Rev 11 May 2013 Clear Form							
Reef Number and Name 261 Brian Williams Memorial							
Latitude (00 00.000)							
GPS Manufacturer & Model: SIMRAD EVO3 NSS9							
Sonar Depth (feet) 58 Survey Date Jul 18, 2020 Time 1500							
Weather Conditions 50% cloudy Sea Condition 1 ft							
Boat Name Bobcat Boat Captain Bob Cox							
Dive Leader Bob Cox							
Dive Team Members Bob Cox							
Depth Gauge Depth (feet) 60 Diver Bottom Time (minutes) 15							
Water Temp Surface (Fahrenheit) 84 Water Temp Bottom (Fahrenheit) 77							
Water Visibility Surface (feet) Water Visibility Bottom (feet)							
Thermocline Depth (feet) Current Direction Current Speed (knots)							
Other Water Column Characteristics (check all that apply)							
☐ Plankton ☐ Algae ☐ Jellyfish ☐ Turbid ☐ Other							
Bottom Composition (check all that apply)							
⊠ Sand □ Silt □ Mud □ Gravel □ Shell □ Other □							
Reef Materials & Quantity 1 FLAR							
Reef Height at Highest Point (measured from base to top of the reef)(feet)							
Physical Condition (Durability, stability, storm damage, other damage or movement):							
 No damage							
Explain damage/movement and suspected cause							

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	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	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Butterflyfish-Spotfin	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	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>	○ 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Cobia (Ling)	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Cowfish-Scrawled	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Damselfish-Cocoa	O 1	<u> </u>	<u> </u>	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>	<u> </u>	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>	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Goliath	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Graysby	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Red	O 1	O 2-10	<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>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt-Tomtate	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt-White	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	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	<u> </u>	<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>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Greater-Amberjack	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Lookdown	O 1	<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>	O 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?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Mackeral-King						
	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Mackeral-Spanish	11		11-10011-100		Length (inches)	Comments Comments
		<u> </u>		O 101+	-	
Mackeral-Spanish	<u> </u>	2-102-10	<u> </u>	○ 101+○ 101+	Length (inches)	Comments
<u>Mackeral-Spanish</u> <u>Mahi</u>	○ 1 ○ 1	2-102-102-10	11-10011-100	101+101+101+	Length (inches)	Comments Comments
Mackeral-Spanish Mahi Minnows-Glass-Small-Fry	111	2-102-102-102-10	11-10011-10011-100	101+101+101+101+	Length (inches) Length (inches) Length (inches)	Comments Comments

Porgy-Sheepshead	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Porgy?	O 1	<u> </u>	<u> </u>	○ 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>	○ 101+	Length (inches)	Comments
Puffer?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Ray?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Shark?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sharksucker-Sharksucker	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sand-Perch	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Bank	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Gray	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Lane	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Snapper-Red	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Snapper-Vermillion	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Snapper?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Spadefish-Atlantic	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Toadfish-Leopard	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Triggerfish-Gray	O 1	<u> </u>	<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>	O 101+	Length (inches)	Comments
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	O 1	O 2-10	<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 Breathers/Mammals (Click on the hyper-links below 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 Video URL:	https://you	:u.be/PEBr	m1JeGaEk				
Photos? No Attached:	No						

Image Field

Image Field

Image Field

Image Field

Image Field Image Field Image Field Image Field

Image Field Image Field Image Field Image Field

Image Field

Image Field

Image Field

Image Field