MBARA Diver's Reef Survey Form Rev 20 Jun 2016

Reef Number and Name MB 211 James Whitright Memorial Reef
Latitude 29 56.304 Longitude 00 00.000 B5 29.196 Was published 1at/lon correct? Yes Sonar Depth (ft) 20
GPS Manufacturer & Model: SIMRAD NSS9 EVO3
Survey Date Apr 29, 2018 Dive # 1 Time 1000
Cloud Cover % 0 Wind Spd & Dir 5kts NW Wave Height (ft) 1-2
Boat Name Bobcat Boat Captain Bob Cox Crew Carol Cox
Divers Bob and Carol Cox
Survey Type Roving Diver Depth Gauge Depth (ft) 21 Diver Bottom Time (minutes) 38
Water Temp Surface (Fahrenheit) 70 Water Temp Bottom (Fahrenheit) 67
Water Visibility Surface (feet) 50 Water Visibility Bottom (feet) 50
Thermocline Depth (feet) Current Direction NW Current Speed (knots) .5
Other Water Column Characteristics (check all that apply)
\boxtimes Plankton \boxtimes Algae \square Jellyfish \boxtimes Turbid \square Other
Bottom Composition (check all that apply)
\boxtimes Sand \square Silt \square Mud \square Gravel \boxtimes Shell \square Other
Reef Materials & Quantity 6 FLAR and 2 Ecosystems on pilings. 1 FLAR has memorial plaque.
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 ○ Damage ● No movement ○ Movement
Explain damage/movement and suspected cause

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

Angelfish-Blue	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Angelfish-Queen	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Barracuda-Great	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Batfish-Polka-Dot	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Blenny-Seaweed	01	○ 2-10	Length (inches) Comments
Blenny-?	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Blenny-?	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Butterflyfish-Spotfin	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Butterflyfish?	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Cardinalfish-Two-Spot	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Chromis-Purple-Reeffish	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
□ Chromis-Yellowtail- <u>Reeffish</u>	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Damselfish-Cocoa	01	● 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Damselfish?	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Drum-Cubbyu	01	○ 2-10 ④ 11-100 ○ 101+	Length (inches) Comments
Drum-Jackknifefish	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
<u>Eel?</u>	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Flounder-Gulf	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Eilefish?	01	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Frogfish-Ocellated	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Goby-Spotted	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Goby?	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments

Grouper-Gag	O 1	○ 2-10 ⊙ 11-100 ○ 101+	Length (inches) Comments
Grouper-Goliath	• 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	Comments Inside of FLAR/Pyramid
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	○ 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Goliath	O 1	Length: <3ft 🔿 3-5ft 🔿 >5ft	C Comments
Grouper-Graysby	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grouper-Red	O 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	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grunt-Tomtate	○ 1	○ 2-10 ○ 11-100 ④ 101+	Length (inches) Comments
Grunt-White	• 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grunt?	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
<u>Hogfish</u>	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Hogfish-Spanish	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Jack-Almaco	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Jack-Blue-Runner	O 1	○ 2-10 ○ 11-100 ④ 101+	Length (inches) Comments
Jack-Greater-Amberjack	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Jack-Rainbow-Runner	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
✓ Jack-Round-Scad-Cigar- Minnow	O 1	○ 2-10 ○ 11-100 ④ 101+	Length (inches) Comments
Jack?	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Jack?	○ 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments

<u>Lionfish</u>	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Mackeral-King	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
<u>Mackeral-Spanish</u>	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	<u>y</u> () 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Pinfish?	○ 1	○ 2-10	0 (11-100 (101+	Length (inches)	Comments
Porgy-Sheepshead- Porgy	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Porgy-Sheepshead	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Porgy?	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Puffer-Bandtail	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Puffer-Sharpnose	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Duffer?	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Ray?	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Shark-Bull	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Shark-Sandbar	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Shark?	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Sharksucker-Sharksucker	<u>r</u> () 1	○ 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	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
✓ <u>Seabass-Black</u>	<u> </u>	○ 2-10	0 (• 11-100 () 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
<u>Seabass?</u>	O 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	O 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	O 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Snapper?	○ 1	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Soapfish-Whitespotted	<u> </u>	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments

\checkmark	Spadefish-Atlantic	0	1	0	2-10	۲	11-100	0	10	1+ Ler	ngth (inches)		Comments	
	Toadfish-Leopard	0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)		Comments	
\checkmark	Triggerfish-Gray	0	1	0	2-10	۲	11-100	О	10	1+ Ler	ngth (inches)		Comments	
	Wrasse-Painted-Wrasse	0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)		Comments	
	Wrasse-Slippery-Dick	0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-100	C	10	1+ Ler	ngth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-100	C	10	1+ Ler	ngth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-100	C	10	1+ Ler	ngth (inches)		Comments	
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	Unlisted-See-Comments	0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)		Comments	
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	Unlisted-See-Comments	\bigcirc	I	\bigcirc	210	\cup	11-100	O	10	I+ Ler	igth (inches)		comments	
	Unlisted-See-Comments				2-10						ngth (inches)		Comments	
⊔ □ Gr		0	1	0	2-10	0	11-100	0	10	1+ Ler	ngth (inches)	ation)		
	Unlisted-See-Comments) licł	1 K ON 1	C the	2-10 e hyp	0 Der	11-100 -link	s b	10 elc	¹⁺ Ler	ngth (inches)			
	Unlisted-See-Comments	0 licł 0	1 X ON 1 1-25%	O the O	2-10 e hyp 26-509	o Der % (11-100 -link) 51-7	s b 5%	¹⁰ elc ⊙	1+ Ler ow for 76-100%	identifica		Comments	
	Unlisted-See-Comments owth on Reef (C	0 ic 0	1 (ON 1 1-25% 1-25%	0 the 0	2-10 e hyp 26-50 26-50	0 0er % (11-100 -link 51-7	s b 5%	10 elc ⊙	1+ Ler 5W for 76-100% 76-100%	ngth (inches) identifica Size (inches)		Comments Describe	
	Unlisted-See-Comments Owth on Reef (C Algae Anemone	0 ic 0 0	1 (ON 1 1-25% 1-25% 1-25%	0 the 0 0	2-10 26-50 26-50 26-50	© oer % () % ()	11-100 -link 51-7 51-7 51-7	s b 5% 5%	10 elc ⊙ ⊙	1+ Ler 5W for 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches)		Comments Describe Describe	
	Unlisted-See-Comments Owth on Reef (C Algae Anemone Barnacles	0 licł 0 0	1 C ON 1 1-25% 1-25% 1-25%	0 the 0 0	2-10 e hyp 26-50 26-50 26-50 26-50)))))))))))))))))))	11-100 -link 51-7 51-7 51-7 51-7	s b 5% 5% 5%	10 elc • •	1+ Ler 5W for 76-100% 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe	
	Unlisted-See-Comments Owth on Reef (C Algae Anemone Barnacles Bivalves		1 C ON 1 1-25% 1-25% 1-25% 1-25% 1-25%	0 the 0 0 0	2-10 26-50 26-50 26-50 26-50 26-50 26-50)))))))))))))))))))	11-100 -link 51-7 51-7 51-7 51-7 51-7	s b 5% 5% 5%	10 elc •	1+ Ler 5W for 76-100% 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe	
	Unlisted-See-Comments Owth on Reef (C Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip		1 (ON 1 1-25% 1-25% 1-25% 1-25% 1-25%	0 the 0 0 0	2-10 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50°	O Der %	11-100 -link 51-7 51-7 51-7 51-7 51-7 51-7	s b 5% 5% 5% 5%	10 elc © ©	1+ Ler 5W for 76-100% 76-100% 76-100% 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe Describe	
	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown		1 CON 1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		2-10 26-50 26-50 26-50 26-50 26-50 26-50 26-50 26-50		11-100 -link 51-7 51-7 51-7 51-7 51-7 51-7 51-7	S b 5% 5% 5% 5% 5% 5% 5%	10 elc 0 0	1+ Ler 5w for 76-100% 76-100% 76-100% 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe Describe Describe	
	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian		1 CON 1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		2-10 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50°		11-100 -link 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7	s b 5% 5% 5% 5% 5% 5%	10 elc © © ©	1+ Ler 5W for 76-100% 76-100% 76-100% 76-100% 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe Describe Describe	
	Unlisted-See-Comments Owth On Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian Coral-Occulina		1 CON 1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		2-10 26-50 26-50 26-50 26-50 26-50 26-50 26-50 26-50 26-50 26-50		11-100 -link 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7	s b 5% 5% 5% 5% 5% 5%		1+ Ler 5W for 76-100% 76-100% 76-100% 76-100% 76-100% 76-100% 76-100% 76-100%	ngth (inches) identifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe Describe Describe Describe	
	Unlisted-See-Comments Owth On Reef (C) Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian Coral-Occulina Coral-Occulina		1 CON 1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		2-10 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50°		11-100 -link 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7 51-7	s b 5% 5% 5% 5% 5% 5% 5% 5%		1+ Ler DW fO 76-100% 76-100% 76-100% 76-100% 76-100% 76-100% 76-100% 76-100% 76-100%	ngth (inches) identification Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Comments Describe Describe Describe Describe Describe Describe Describe	

Unlisted-See-Comments	0 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								
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-?	<u> </u>	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
<u>Cowry-</u> ?	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Cowry-?	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Crab-Hermit	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Crab-Yellowline-Arrow	○ 1	○ 2-10	Comments								
Crab?	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Crab?	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Lobster-Shovelnose	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Octopus	<u> </u>	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Sea-Cucumber	O 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	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Shrimp-?	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Shrimp-?	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
□ <u>Snail-Florida-Horse-</u> <u>Conch</u>	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Snail-?	<u> </u>	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Snail-?	<u> </u>	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Unlisted-See-Comments	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Unlisted-See-Comments	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Unlisted-See-Comments	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Unlisted-See-Comments	O 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								
Unlisted-See-Comments	○ 1	○ 2-10 ○ 11-100 ○ 101+ Size (inches)	Comments								

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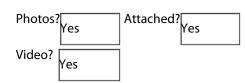
Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification)

Dolphin?	O 1	O 2-10	○ 11-100	○ 101+	Length (inches)	Comments	
Turtle-Loggerhead	O 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Turtle?	<u> </u>	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Whale?	O 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments	

☑ Other Observations/Photos:

Observations

See video at https://youtu.be/gaaxtvdZQG8



Print Form



Image Field

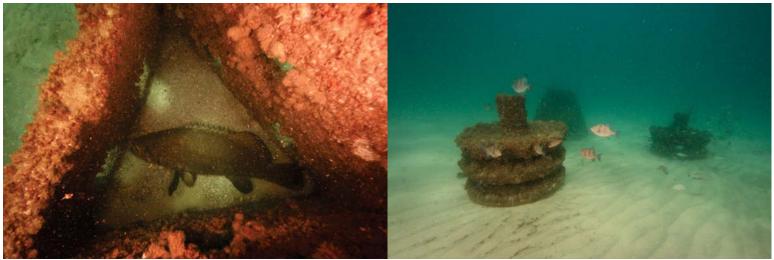


Image Field





Image Field

Image Field

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