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) Longitude (00 00.000) Was published lat/lon correct?	Yes
GPS Manufacturer & Model: Garmin 188C	
Sonar Depth (feet) 22 Survey Date Aug 24, 2014 Time 1440)
Weather Conditions Sunny Sea Condition 1 ft	
Boat Name Bob Cat Boat Captain Bob Co)X
Dive Leader Bob Cox	
Dive Team Members Carol Cox Brian and Kimberly Higdon	
Depth Gauge Depth (feet) 22 Diver Bottom Time (minutes)	
Water Temp Surface (Fahrenheit) 85 Water Temp Bottom (Fahrenheit)	85
Water Visibility Surface (feet) 40 Water Visibility Bottom (feet) 40	
Thermocline Depth (feet) Current Direction Current Spee	d (knots)
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 12 Florida Limestone Artificial Reefs, 3 Ecosystems of	on pilings, 2
Reef Height at Highest Point (measured from base to top of the reef)(feet) 10	
Physical Condition (Durability, stability, storm damage, other damage or move	ment):
 No damage	amage Major movement
Explain damage/movement and suspected cause	

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

•		, ,			•	
Angelfish-Blue	\bigcirc 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>	O 11-100	O 101+	Length (inches)	Comments
✓ Blenny-Molly-Miller	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Blenny-Seaweed	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
Blenny-Tessellated	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
⊠Blenny?	O 1	2-10	O 11-100	O 101+	Length (inches)	Comments Zebratail blenny
✓ Butterflyfish-Spotfin	O 1	2-10	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	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	O 1	<u> </u>	O 11-100	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)	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	1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Filefish?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Frogfish-Ocellated	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	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
 ✓ Grouper-Goliath	1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Graysby	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Grouper-Red	<u> </u>	2-10	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Rock-Hind	<u> </u>	<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>	2-10	<u> </u>	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	O 1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
☐ <u>Jack-Blue-Runner</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Jack-Greater-Amberjack	<u> </u>	<u> </u>	11-100	O 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	O 1	<u> </u>	<u> </u>	101+	Length (inches)	Comments
✓Jack?	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments Yellow Jack
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	<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	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	O 1	O 2-10	<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>	<u> </u>	Length (inches)	Comments
Porgy?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u> </u>	O 1	2-10	<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>	<u> </u>	Length (inches)	Comments
Ray?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓Shark?	1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments Nurse
✓ Sharksucker-Sharksucker	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments
Sharksucker-Whitefin	O 1	<u> </u>	<u> </u>	<u> </u>	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	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments
Seabass-Black	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments
✓ Seabass-Pygmy	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments
Seabass?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Snapper-Gray	O 1	<u> </u>	11-100	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>	<u> </u>	Length (inches)	Comments
Snapper?	O 1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments
Soapfish-Whitespotted	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments
	O 1	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
▼ Toadfish-Leopard	1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments
▼ Triggerfish-Gray	O 1	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
✓ Wrasse-Slippery-Dick	O 1	<u> </u>	<u> </u>	101+	Length (inches)	Comments
✓ Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments Spotted Dragonet
✓ Unlisted-See-Comments	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments Featherduster
✓ Unlisted-See-Comments	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments Pearly Razorfish

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>2-10</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-link	s 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>	○ 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>	O 101+	Size (inches)	Comments
✓ Other Observatio	ns/Pho	tos:				
Observations Blueheads						
Photos? Yes Attached	Yes					



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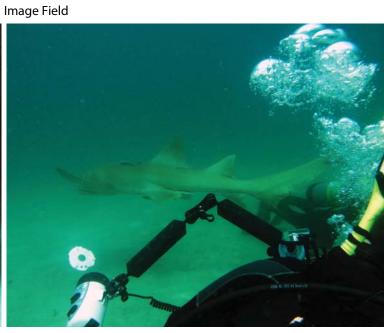


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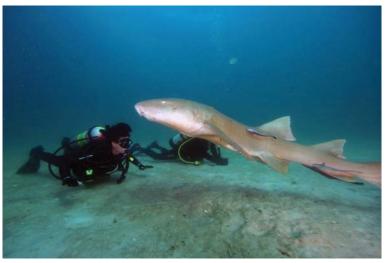




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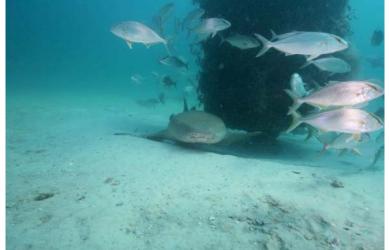




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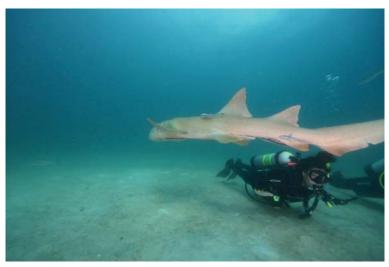




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