MBARA Diver's Reef Survey Form Rev 11 May 2013 Clear Form						
Reef Number and Name 1 Cole Turner Memorial Reef						
Latitude (00 00.000) 29 55.120 Longitude (00 00.000) 85 24.503 Was published lat/lon correct? Yes						
GPS Manufacturer & Model: Garmin 188C						
Sonar Depth (feet) 24 Survey Date Jun 27, 2013 Time 0900						
Weather Conditions Partly Cloudy Sea Condition 1-2 ft						
Boat Name Bobcat Boat Captain Bob Cox						
Dive Leader Bob Cox						
Dive Team Members Carol Cox						
Depth Gauge Depth (feet) 24 Diver Bottom Time (minutes) 45						
Water Temp Surface (Fahrenheit) 85 Water Temp Bottom (Fahrenheit) 83						
Water Visibility Surface (feet) 8 Water Visibility Bottom (feet) 15						
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 22 ARIs, Found 7 due to distance and visibility						
Reef Height at Highest Point (measured from base to top of the reef)(feet) 6						
Physical Condition (Durability, stability, storm damage, other damage or movement):						
 No damage						
Explain damage/movement and suspected cause minor sinking						

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

Angelfish-Blue	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Angelfish-Queen	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Barracuda-Great	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Barracuda-Guaguanche	O 1	C 2-10	O 11-100	O 101+	Length (inches)	Comments
Batfish-Polka-Dot	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Blenny-Molly-Miller	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Blenny-Seaweed	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
V Blenny-Tessellated	O 1	C 2-10	11-100	○ 101+	Length (inches)	Comments
Blenny?	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Butterflyfish-Spotfin	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Butterflyfish?	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Cardinalfish-Two-Spot	O 1	C 2-10	O 11-100	O 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Cobia (Ling)	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Cowfish-Scrawled	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Damselfish-Cocoa	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Damselfish?	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Dolphin?	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Drum-Cubbyu	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Drum-Jackknifefish	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Eel?	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
V Flounder-Gulf	01	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Filefish?	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Frogfish-Ocellated	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Goby-Spotted	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Goby?	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments

Grouper-Gag	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Goliath	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Grouper-Graysby	01	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Grouper-Red	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Grouper-Rock-Hind	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Grouper-Scamp	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Grunt-Juvenile	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Grunt-Tomtate	O 1	O 2-10	O 11-100	○ 101+	Length (inches)	Comments
Grunt-White	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
✓ Grunt?	O 1	O 2-10	C 11-100	101+	Length (inches)	Comments Pigfish
Hogfish	O 1	O 2-10	C 11-100	○ 101+	Length (inches)	Comments
Hogfish-Spanish	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Jack-Blue-Runner	O 1	2-10	<u> </u>	○ 101+	Length (inches)	Comments
Jack-Greater-Amberjack	0.1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
					zerigen (menes)	
Jack-Lookdown	O 1	C 2-10	O 11-100		Length (inches)	Comments
Jack-Lookdown Jack-Rainbow-Runner	O 1			C 101+		
		C 2-10	C 11-100	○ 101+ ○ 101+	Length (inches)	Comments
Jack-Rainbow-Runner Jack-Round-Scad-Cigar-	O 1	C 2-10	11-10011-100	101+101+101+	Length (inches)	Comments
Jack-Rainbow-Runner Jack-Round-Scad-Cigar- Minnow	O 1	2-102-102-10	11-10011-10011-100	101+101+101+101+	Length (inches) Length (inches) Length (inches)	Comments Comments Comments
Jack-Rainbow-Runner Jack-Round-Scad-Cigar- Minnow ✓ Jack?	0 10 10 1	2-102-102-102-10	11-10011-10011-10011-100	101+101+101+101+101+	Length (inches) Length (inches) Length (inches) Length (inches)	Comments Comments Comments Atlantic Bumper
Jack-Rainbow-Runner Jack-Round-Scad-Cigar- Minnow ✓ Jack? Lionfish	O 1O 1O 1O 1	2-102-102-102-102-10	11-10011-10011-10011-10011-100	101+101+101+101+101+101+	Length (inches) Length (inches) Length (inches) Length (inches) Length (inches)	Comments Comments Comments Comments Atlantic Bumper Comments
☐ Jack-Rainbow-Runner ☐ Jack-Round-Scad-Cigar- Minnow ☐ Jack? ☐ Lionfish ☐ Lizardfish?	O 1O 1O 1O 1O 1	2-102-102-102-102-102-10	○ 11-100○ 11-100○ 11-100○ 11-100○ 11-100○ 11-100	 101+ 101+ 101+ 101+ 101+ 101+ 101+ 101+ 	Length (inches) Length (inches) Length (inches) Length (inches) Length (inches) Length (inches)	Comments Comments Comments Comments Atlantic Bumper Comments Comments
☐ Jack-Rainbow-Runner ☐ Jack-Round-Scad-Cigar-Minnow ☐ Jack? ☐ Lionfish ☐ Lizardfish? ☐ Mackeral-King	O 1O 1O 1O 1O 1O 1	 2-10 2-10 2-10 2-10 2-10 2-10 2-10 	○ 11-100○ 11-100○ 11-100○ 11-100○ 11-100○ 11-100○ 11-100	 101+ 101+ 101+ 101+ 101+ 101+ 101+ 101+ 101+ 	Length (inches)	Comments Comments Comments Atlantic Bumper Comments Comments Comments Comments
Jack-Rainbow-Runner Jack-Round-Scad-Cigar- Minnow ✓ Jack? □ Lionfish □ Lizardfish? □ Mackeral-King ✓ Mackeral-Spanish	0 10 10 10 10 10 10 1	 2-10 2-10 2-10 2-10 2-10 2-10 2-10 2-10 	 ○ 11-100 	 101+ 	Length (inches)	Comments Comments Comments Atlantic Bumper Comments Comments Comments Comments Comments
Jack-Rainbow-Runner Jack-Round-Scad-Cigar- Minnow ✓ Jack? Lionfish Lizardfish? Mackeral-King ✓ Mackeral-Spanish Mahi	111111111	 2-10 	 ○ 11-100 	 ○ 101+ 	Length (inches)	Comments Comments Comments Atlantic Bumper Comments Comments Comments Comments Comments Comments
Jack-Rainbow-Runner Jack-Round-Scad-Cigar- Minnow ✓ Jack? Lionfish Lizardfish? Mackeral-King ✓ Mackeral-Spanish Mahi Minnows-Glass-Small-Fry	 1 	 2-10 	 ○ 11-100 	 ○ 101+ 	Length (inches) Length (inches)	Comments Comments Comments Comments Atlantic Bumper Comments Comments Comments Comments Comments Comments Comments

▼ Porgy-Sheepshead	O 1	C 2-10	11-100	O 101+	Length (inches)	Comments
Porgy?	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Puffer-Bandtail	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Puffer-Sharpnose	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Puffer?	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Ray?	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Shark?	O 1	C 2-10	O 11-100	O 101+	Length (inches)	Comments
Sharksucker-Sharksucker	01	2-10	C 11-100	○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
✓ Sand-Perch	O 1	2-10	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Bank	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
✓ Sea bass-Black	O 1	C 2-10	11-100	○ 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Seabass?	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
✓ Snapper-Gray	01	2-10	C 11-100	○ 101+	Length (inches)	Comments
Snapper-Lane	O 1	C 2-10	11-100	○ 101+	Length (inches)	Comments
Snapper-Red	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Snapper-Vermillion	01	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Snapper?	O 1	C 2-10	O 11-100	○ 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	2-10	<u> </u>	○ 101+	Length (inches)	Comments
Spadefish-Atlantic	O 1	C 2-10	11-100	○ 101+	Length (inches)	Comments
Toadfish-Leopard	O 1	C 2-10	<u> </u>	○ 101+	Length (inches)	Comments
 ▼ Triggerfish-Gray	01	C 2-10	11-100	○ 101+	Length (inches)	Comments
Variation Wrasse-Slippery-Dick	O 1	2-10	<u> </u>	○ 101+	Length (inches)	Comments
✓ Unlisted-See-Comments	1	C 2-10	C 11-100	○ 101+	Length (inches)	Comments Drum, Spot
✓ Unlisted-See-Comments	O 1	C 2-10	11-100	O 101+	Length (inches)	Comments Silver Perch
✓ Unlisted-See-Comments	O 1	C 2-10	11-100	O 101+	Length (inches)	Comments scaled sardine

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 ✓ Barnacles ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe Describe Bivalves 1-25% 26-50% 51-75% 76-100% Size (inches) Coral-Colorful-Sea-Whip 1-25% 26-50% 51-75% 76-100% Size (inches) Describe Coral-Hard-Unkown 1-25% 26-50% 51-75% 76-100% Size (inches) Describe Coral-Gorgonian 1-25% 26-50% 51-75% 76-100% Size (inches) Describe Coral-Occulina 1-25% 26-50% 51-75% 76-100% Size (inches) 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 1-25% 26-50% 51-75% 76-100% Size (inches) Sponges Describe ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **✓** Unlisted-See-Comments Describe tunicates Invertebrates at Reef (Click on the hyper-links below for identification) Cowry-Spotted-Cyphoma 1 C 2-10 C 11-100 C 101+ Size (inches) Comments Cowry-West-Indian-Simnia (1 O 2-10 O 11-100 O 101+ Size (inches) Comments Crab-Swimming O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments Crab-Stareye-Hermit O 2-10 O 11-100 O 101+ Comments \bigcirc 1 Size (inches) O 2-10 O 11-100 O 101+ Crab-Stone \bigcirc 1 Size (inches) Comments Crab-Yellowline-Arrow \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments O 2-10 O 11-100 O 101+ Comments hermit ✓ Crab? \bigcirc 1 Size (inches) Lobster-Shovelnose \bigcirc 1 O 2-10 O 11-100 O 101+ Comments Size (inches) Lobster-Spiny C 2-10 C 11-100 C 101+ \bigcirc 1 Comments Size (inches) O 2-10 O 11-100 O 101+ Octopus \bigcirc 1 Comments Size (inches) Sea-Cucumber \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments O 2-10 O 11-100 O 101+ Sea-Slug \bigcirc 1 Size (inches) Comments Sea-Star O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments

✓ Sea-Urchin

 \bigcirc 1

C 2-10 © 11-100 C 101+

Size (inches)

Comments

Snail-Atlantic-Hairy-Triton	\bigcirc 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Snail-Murex	O 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Snail-Netted-Olive	\bigcirc 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
✓ Snail-Florida-Horse-Conch	O 1	2-10	O 11-100	○ 101+	Size (inches)	Comments	
✓ Unlisted-See-Comments	⊙ 1	C 2-10	O 11-100	○ 101+	Size (inches)	Comments blue crab	
Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification)							
Turtle-Green	O 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Turtle-Leatherback	O 1	C 2-10	O 11-100	O 101+	Size (inches)	Comments	
Turtle-Loggerhead	O 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Turtle?	O 1	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Whale?	01	O 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	O 1	C 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	O 1	C 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	O 1	C 2-10	O 11-100	○ 101+	Size (inches)	Comments	
Other Observatio	ns/Pho	tos:					
Observations							
Photos? Yes Attached	Yes						
Video? Yes	<u> </u>						

Print Form

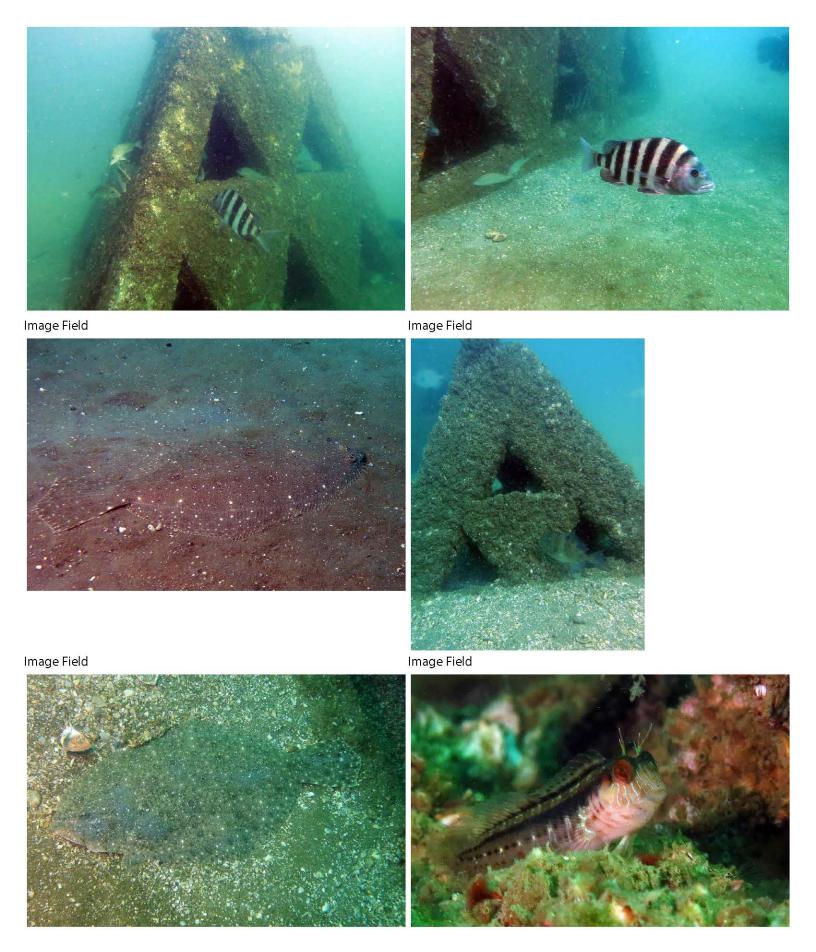


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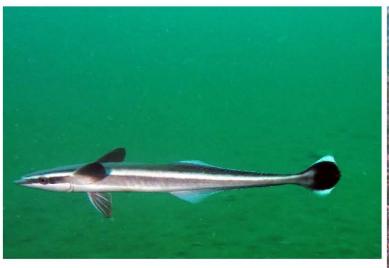




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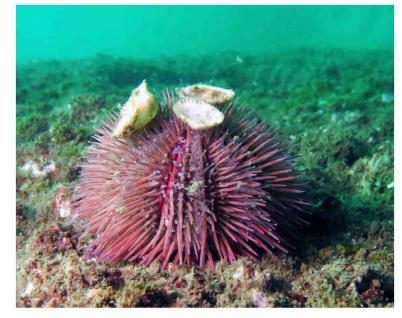


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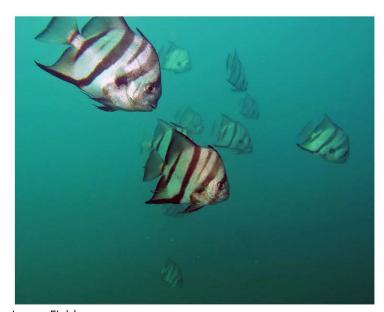




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