MBARA Diver's Reef Survey Form Rev 11 May 2013				
Reef Number and Name MB-172 Unnamed Reef				
Latitude (00 00.000) Longitude (00 00.000) 85 35.834 Was published lat/lon correct?	Yes			
GPS Manufacturer & Model: Garmin 188C				
Sonar Depth (feet) 75 Survey Date Aug 18, 2015 Time 1300				
Weather Conditions Mostly Sunny Sea Condition 2 ft				
Boat Name Bob Cat Boat Captain Bob Cox				
Dive Leader Bob Cox				
Dive Team Members Carol Cox				
Depth Gauge Depth (feet) 77 Diver Bottom Time (minutes) 25				
Water Temp Surface (Fahrenheit) 85 Water Temp Bottom (Fahrenheit) 84				
Water Visibility Surface (feet) 30 Water Visibility Bottom (feet) 30				
Thermocline Depth (feet) Current Direction Current Speed (knots)				
Other Water Column Characteristics (check all that apply)				
oximes Plankton $oximes$ Algae $oximes$ Jellyfish $oximes$ Turbid $oximes$ Other				
Bottom Composition (check all that apply)				
⊠ Sand □ Silt □ Mud □ Gravel □ Shell □ Other □				
Reef Materials & Quantity Double Cable Reel on frame. Top of reef is 55' deep.				
Reef Height at Highest Point (measured from base to top of the reef)(feet) 22				
Physical Condition (Durability, stability, storm damage, other damage or movement):				
<ul> <li>No damage</li></ul>	ovement			
Explain damage/movement and suspected cause				

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

•		<b>,</b> ,			•	
Angelfish-Blue	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Angelfish-Queen	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
<b>✓</b> Barracuda-Great	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Barracuda-Guaguanche	O 1	<u> </u>	O 11-100	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	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Blenny-Tessellated	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Blenny?	O 1	<u> </u>	O 11-100	O 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>	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>	<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	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Grouper-Goliath	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Graysby	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Grouper-Red	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Rock-Hind	O 1	<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
<b>✓</b> Grunt-Tomtate	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches)	Comments
Grunt-White	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓Grunt?	O 1	<u> </u>	<u> </u>	<ul><li>101+</li></ul>	Length (inches)	Comments Pigfish
Hogfish	O 1	<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>	<ul><li>11-100</li></ul>	O 101+	Length (inches)	Comments
<b>√</b> Jack-Blue-Runner	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches)	Comments
<b>√</b> Jack-Greater-Amberjack	O 1	<u> </u>	<ul><li>11-100</li></ul>	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>	O 11-100	O 101+	Length (inches)	Comments
✓ Jack-Round-Scad-Cigar- Minnow	O 1	<u> </u>	<u> </u>	<ul><li>101+</li></ul>	Length (inches)	Comments
✓Jack?	O 1	<u> </u>	O 11-100	<ul><li>101+</li></ul>	Length (inches)	Comments Atlantic Bumper
Lionfish	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Lizardfish?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Mackeral-King	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Mackeral-Spanish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Mahi</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	O 1	<u> </u>	<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>	O 101+	Length (inches)	Comments
Porgy?	O 1	<u> </u>	<u> </u>	O 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>	O 101+	Length (inches)	Comments
Puffer?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Ray?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Shark?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Sharksucker-Sharksucker	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Sand-Perch	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches)	Comments
✓ <u>Seabass-Bank</u>	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ <u>Seabass-Pygmy</u>	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 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>	O 101+	Length (inches)	Comments
✓ Snapper-Red	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches) 1 - 11	Comments
✓ Snapper-Vermillion	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Spadefish-Atlantic	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Toadfish-Leopard	O 1	<u> </u>	<u> </u>	O 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	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments Spot (drum)
✓ Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	<ul><li>101+</li></ul>	Length (inches)	Comments Spanish Sardine
<b>✓</b> Unlisted-See-Comments	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches)	Comments Painted Wrasse

## 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) |.25 ■ 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 Coral-Gorgonian 1-25% 26-50% 51-75% 76-100% Size (inches) 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) $\bigcirc$ 1 ● 2-10 ○ 11-100 ○ 101+ Size (inches) Comments O 2-10 O 11-100 O 101+ Comments Blue Crab ✓ Crab? 1 Size (inches) Lobster-Shovelnose $\bigcirc$ 1 O 2-10 O 11-100 O 101+ 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 O 2-10 O 11-100 O 101+ 1 Comments Size (inches) Sea-Urchin O 2-10 O 11-100 O 101+ $\bigcirc$ 1 Comments Size (inches)

Snail-Atlantic-Hairy-Triton	<u> </u>	<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 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 Observations/Photos:							
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo	rfish - F						
Observations Green Razo  Photos? Yes  Attached?							

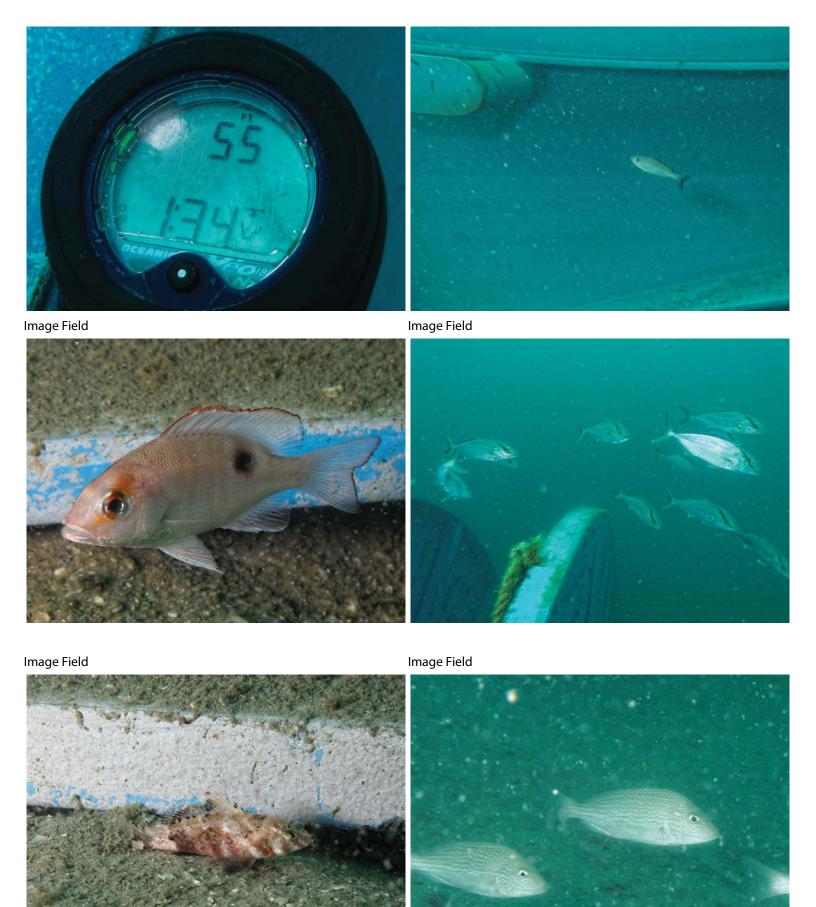


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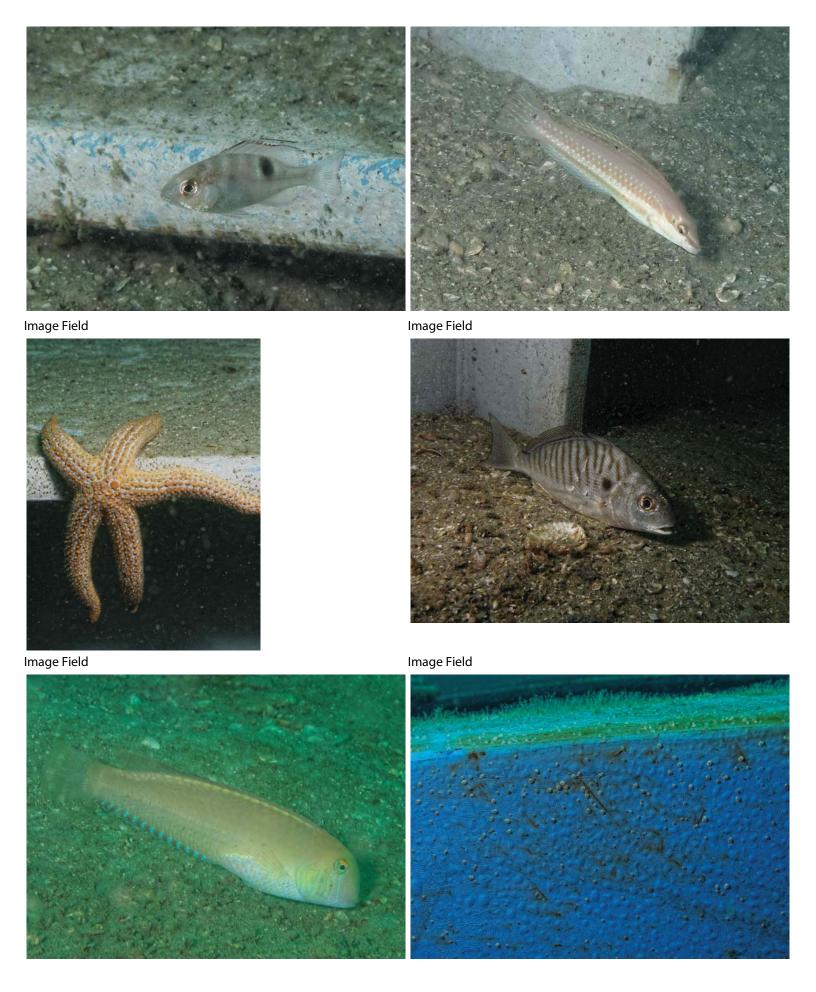


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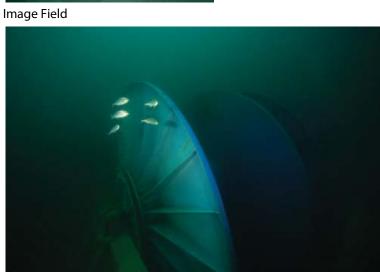


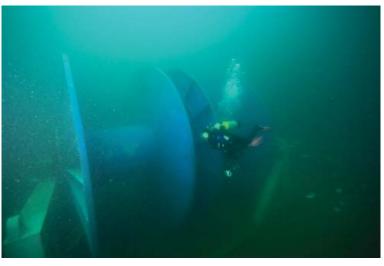
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