# MBARA Diver's Reef Survey Form Rev 11 May 2013

Reef Number and Name 128 Raymond Miles Reef
Latitude 29 55.063 Longitude 85 32.577 Was published lat/lon correct? Yes
GPS Manufacturer & Model: Garmin 188C
Sonar Depth (feet) 59 Survey Date Jul 12, 2014 Time 1150
Weather Conditions Partly Sunny Sea Condition 2
Boat Name Bob Cat Boat Captain Bob Cox
Dive Leader Bob Cox
Dive Team Members Carol Cox
Depth Gauge Depth (feet) 62 Diver Bottom Time (minutes) 48
Water Temp Surface (Fahrenheit) 83 Water Temp Bottom (Fahrenheit) 78
Water Visibility Surface (feet) 15 Water Visibility Bottom (feet) 30
Thermocline Depth (feet)30Current DirectionECurrent Speed (knots).5
Other Water Column Characteristics (check all that apply)
□ Plankton □ Algae 🛛 Jellyfish 🖂 Turbid □ Other
Bottom Composition (check all that apply)
$\boxtimes$ Sand $\square$ Silt $\square$ Mud $\square$ Gravel $\boxtimes$ Shell $\square$ Other
Reef Materials & Quantity 4 FLAR, 1 Ecosystem
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):
<ul> <li>No damage</li> <li>Minor damage</li> <li>Moderate damage</li> <li>Major damage</li> <li>Movement</li> <li>Minor movement</li> <li>Moderate movement</li> <li>Major movement</li> </ul>
Explain damage/movement and suspected cause 1 FLAR on side

**Clear Form** 

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

Angelfish-Blue	○ 1	<ul><li>2-10</li></ul>	○ 11-100 ○ 101	I+ Length (inches)	Comments
Angelfish-Queen	○ 1	○ 2-10	0 () 11-100 () 101	+ Length (inches)	Comments
Barracuda-Great	01	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Barracuda-Guaguanche	O 1	○ 2-10	○ 11-100 ○ 101	l+ Length (inches)	Comments
Batfish-Polka-Dot	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
Blenny-Molly-Miller	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
✓ Blenny-Seaweed	○ 1	2-10	○ 11-100 ○ 101	+ Length (inches) 2	Comments
Blenny-Tessellated	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
XBlenny?	1	○ 2-10	○ 11-100 ○ 101	+ Length (inches) 3	Comments featherduster
Butterflyfish-Spotfin	○ 1	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Butterflyfish?	○ 1	○ 2-10	○ 11-100 ○ 101	l+ Length (inches)	Comments
✓ Cardinalfish-Two-Spot	01	2-10	○ 11-100 ○ 101	I+ Length (inches) 1	Comments
Chromis-Purple-Reeffish	01	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Chromis-Yellowtail- Reeffish	○ 1	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Cobia (Ling)	<u> </u>	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Cowfish-Scrawled	○ 1	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
✓ Damselfish-Cocoa	○ 1	2-10	○ 11-100 ○ 101	+ Length (inches) 1-3	Comments
Damselfish?	○ 1	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Dolphin?	○ 1	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
✓ Drum-Cubbyu	○ 1	○ 2-10	11-100 () 101	+ Length (inches) 3-6	Comments
Drum-Jackknifefish	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
<u>Eel?</u>	○ 1	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments
Flounder-Gulf	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
Filefish?	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
Frogfish-Ocellated	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
Goby-Spotted	○ 1	○ 2-10	○ 11-100 ○ 101	I+ Length (inches)	Comments
Goby?	01	○ 2-10	○ 11-100 ○ 101	+ Length (inches)	Comments

✓ Grouper-Gag	○ 1	②     ②     ③     2-10     ③     11-100     ③	101+ Leng	th (inches) 12	Comments
Grouper-Goliath	O 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Grouper-Graysby	01	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Grouper-Red	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Grouper-Rock-Hind	01	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Grouper-Scamp	01	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Grunt-Juvenile	01	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Grunt-Tomtate	○ 1	○ 2-10 ○ 11-100 @	101+ Leng	th (inches) 4	Comments
Grunt-White	○ 1	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Grunt?	01	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Hogfish	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Hogfish-Spanish	01	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Jack-Almaco-Lesser-AJ	01	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
✓ Jack-Blue-Runner	O 1	○ 2-10 ● 11-100 (	101+ Leng	th (inches) 8	Comments
Jack-Greater-Amberjack	○ 1	○ 2-10 ● 11-100 (	) 101+ Leng	th (inches) 18	Comments
Jack-Lookdown	○ 1	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Jack-Rainbow-Runner	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Jack-Round-Scad-Cigar- <u>Minnow</u>	○ 1	● 2-10 ○ 11-100 (	) 101+ Leng	th (inches) 1	Comments
Jack?	○ 1	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Lionfish	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Lizardfish?	O 1	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Mackeral-King	○ 1	○ 2-10 ○ 11-100 (	) 101+ Leng	th (inches)	Comments
Mackeral-Spanish	○ 1	• 2-10      11-100      (	101+ Leng	th (inches) 14	Comments
<u> </u>	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Minnows-Glass-Small-Fry	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Pinfish?	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Porgy-Saucereye	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments
Porgy-Sheepshead-Porgy	○ 1	○ 2-10 ○ 11-100 (	101+ Leng	th (inches)	Comments

Porgy-Sheepshead	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Porgy?	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
✓ Puffer-Bandtail	• 1	○ 2-10	○ 11-100 ○ 101+	Length (inches) 1	Comments
Puffer-Sharpnose	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
<u> Puffer?</u>	1	○ 2-10	○ 11-100 ○ 101+	Length (inches) 12	Comments striped burrfish
Ray?	O 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Shark?	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Sharksucker-Sharksucker	○ 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Sand-Perch	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
<u>Seabass-Bank</u>	○ 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	○ 1	2-10	○ 11-100 ○ 101+	Length (inches) 3	Comments
Seabass-Black	<u> </u>	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
<u>Seabass?</u>	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
✓ Snapper-Gray	O 1	○ 2-10	● 11-100 ○ 101+	Length (inches) 8	Comments
Snapper-Lane	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
✓ Snapper-Red	O 1	O 2-10	11-100 \(C) 101+	Length (inches) 8	Comments
Snapper-Vermillion	○ 1	2-10	○ 11-100 ○ 101+	Length (inches) 8	Comments
Snapper?	O 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	2-10	○ 11-100 ○ 101+	Length (inches) 6	Comments
Spadefish-Atlantic	O 1	○ 2-10	11-100 \(C) 101+	Length (inches)	Comments
Toadfish-Leopard	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
✓ Triggerfish-Gray	○ 1	○ 2-10	● 11-100 ○ 101+	Length (inches) 8	Comments
Wrasse-Slippery-Dick	○ 1	○ 2-10	11-100 \(C) 101+	Length (inches) 1-3	Comments
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100 ○ 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	
Anemone	1-25% 26-50% 51-75% 76-100% Size (inches)     Describe	
✓ Barnacles	○ 1-25%	
✓ Bivalves	1-25% 26-50% 51-75% 76-100% Size (inches)     Describe	
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	
Sponges	○ 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-Spotted-Cyphoma	<u> </u>	۲	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Cowry-West-Indian-Simnia	○ 1	0	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Swimming	01	0	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Stareye-Hermit	○ 1	0	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Stone	○ 1	$\bigcirc$	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Yellowline-Arrow	○ 1	۲	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab?	○ 1	$\bigcirc$	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Lobster-Shovelnose	○ 1	$\bigcirc$	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Lobster-Spiny	○ 1	$\bigcirc$	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Octopus	<u> </u>	0	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Cucumber	○ 1	$\bigcirc$	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Slug	○ 1	0	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Star	O 1	$\bigcirc$	2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Urchin	○ 1	0	2-10	○ 11-100	○ 101+	Size (inches)	Comments

Snail-Atlantic-Hairy-Triton	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Snail-Murex	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Snail-Netted-Olive	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Snail-Florida-Horse-Conch	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
✓ Unlisted-See-Comments	○ 1	2-10	○ 11-100	○ 101+	Size (inches)	Comments	neopontinedes +
Turtles and Air Bre	athers/	'Mamm	nals (Clic	k on the	hyper-links	below for ide	ntification)
Turtle-Green	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Turtle-Leatherback	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Turtle-Loggerhead	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Turtle?	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Whale?	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments	
Unlisted-See-Comments	01	O 2-10	0 11-100	○ 101+	Size (inches)	Comments	

# Other Observations/Photos:

Observations	
Photos? Yes	Attached? Yes
Video? Yes	













Image Field

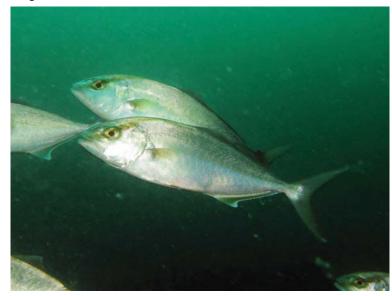








Image Field



### Image Field

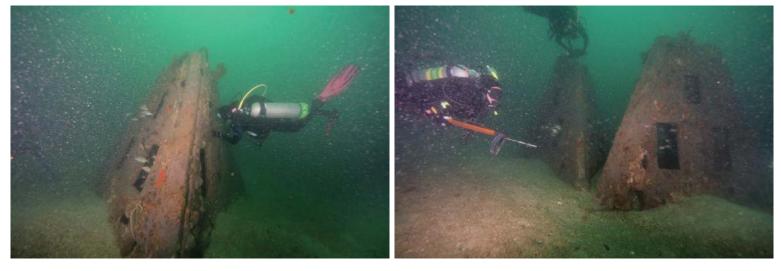




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