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

Reef Number and Name 74 Marquardt's Barge							
Latitude 29 53.523 Longitude 85 32.413 Was published lat/lon correct? Yes							
GPS Manufacturer & Model: Garmin 188C							
Sonar Depth (feet) 65 Survey Date Aug 2, 2014 Time 1000							
Weather Conditions Sunny Sea Condition Calm							
Boat Name Bob Cat Boat Captain Bob Cox							
Dive Leader Bob Cox							
Dive Team Members Carol Cox, Chelsea Higdon							
Depth Gauge Depth (feet) 68 Diver Bottom Time (minutes) 30							
Water Temp Surface (Fahrenheit) 82 Water Temp Bottom (Fahrenheit)							
Water Visibility Surface (feet)30Water Visibility Bottom (feet)30							
Thermocline Depth (feet) Current Direction Current Speed (knots)							
Other Water Column Characteristics (check all that apply)							
$\boxtimes$ Plankton $\square$ Algae $\boxtimes$ Jellyfish $\square$ Turbid $\square$ Other							
Bottom Composition (check all that apply)							
$\boxtimes$ Sand $\square$ Silt $\square$ Mud $\square$ Gravel $\square$ Shell $\square$ Other							
Reef Materials & Quantity Barge							
Reef Height at Highest Point (measured from base to top of the reef)(feet) 59							
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>Moderate movement</li> <li>Major movement</li> </ul>							
Explain damage/movement and suspected cause							

**Clear Form** 

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

Angelfish-Blue	○ 1	2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Angelfish-Queen	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
✓ Barracuda-Great	• 1	O 2-1	0 () 11-100	○ 101+	Length (inches) 2"	Comments
Barracuda-Guaguanche	<u> </u>	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Batfish-Polka-Dot	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Blenny-Molly-Miller	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
✓ Blenny-Seaweed	○ 1	O 2-1	0	○ 101+	Length (inches)	Comments
Blenny-Tessellated	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Blenny?	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Butterflyfish-Spotfin	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Butterflyfish?	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Cardinalfish-Two-Spot	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
□ Chromis-Yellowtail- Reeffish	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Cobia (Ling)	<u> </u>	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Cowfish-Scrawled	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
✓ Damselfish-Cocoa	○ 1	O 2-1	0 🔘 11-100	○ 101+	Length (inches)	Comments
Damselfish?	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Dolphin?	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
✓ Drum-Cubbyu	○ 1	O 2-1	0 ( 11-100	○ 101+	Length (inches)	Comments
Drum-Jackknifefish	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Eel?	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
<b>√</b> <u>Flounder-Gulf</u>	1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Filefish?	<u> </u>	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Frogfish-Ocellated	<u> </u>	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Goby-Spotted	1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments
Goby?	○ 1	O 2-1	0 () 11-100	○ 101+	Length (inches)	Comments

✓ Grouper-Gag	○ 1	2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Grouper-Goliath	O 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Grouper-Graysby	01	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Grouper-Red	01	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Grouper-Rock-Hind	01	O 2-10	○ 11-100 ○ 101-	+ Length (inches)	Comments
✓ Grouper-Scamp	01	2-10	○ 11-100 ○ 101-	⊦ Length (inches)	Comments
Grunt-Juvenile	01	O 2-10	○ 11-100 ○ 101-	⊦ Length (inches)	Comments
Grunt-Tomtate	01	O 2-10	○ 11-100	⊦ Length (inches)	Comments
Grunt-White	01	O 2-10	○ 11-100 ○ 101-	+ Length (inches)	Comments
Grunt?	O 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Hogfish	O 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Hogfish-Spanish	○ 1	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Jack-Almaco-Lesser-AJ	01	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Jack-Blue-Runner	01	O 2-10	● 11-100 ○ 101-	⊦ Length (inches)	Comments
Jack-Greater-Amberjack	○ 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Jack-Lookdown	○ 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Jack-Rainbow-Runner	01	2-10	○ 11-100 ○ 101-	Length (inches)	Comments
☐ Jack-Round-Scad-Cigar- Minnow	O 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Jack?	○ 1	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Lionfish	○ 1	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Lizardfish?	○ 1	○ 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Mackeral-King	○ 1	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Mackeral-Spanish	01	O 2-10	● 11-100 ○ 101-	- Length (inches)	Comments
Mahi	01	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Minnows-Glass-Small-Fry	01	O 2-10	○ 11-100 ○ 101-	Length (inches)	Comments
Pinfish?	01	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Porgy-Saucereye	○ 1	O 2-10	○ 11-100 ○ 101-	- Length (inches)	Comments
Porgy-Sheepshead-Porgy	○ 1	O 2-10	○ 11-100 ○ 101-	+ Length (inches)	Comments

✓ Porgy-Sheepshead	01	2-10	0 () 11-100 () 101+	Length (inches)	Comments
Porgy?	O 1	O 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
✓ Puffer-Bandtail	01	○ 2-10	• • 11-100 \( 101+	Length (inches)	Comments
Puffer-Sharpnose	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Puffer?	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Ray?	O 1	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
<u>Shark?</u>	O 1	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Sharksucker-Sharksucker	O 1	O 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
✓ Sand-Perch	• 1	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Seabass-Bank	01	2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
✓ Seabass-Belted-Sandfish	01	2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Seabass-Pygmy	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Seabass?	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
✓ Snapper-Gray	01	○ 2-10	• • 11-100 () 101+	Length (inches)	Comments
Snapper-Lane	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
✓ Snapper-Red	01	○ 2-10	• • 11-100 ( 101+	Length (inches)	Comments
Snapper-Vermillion	01	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Snapper?	01	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
✓ Soapfish-Whitespotted	01	○ 2-10	• • 11-100 ( 101+	Length (inches)	Comments
Spadefish-Atlantic	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Toadfish-Leopard	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
<b>√</b> Triggerfish-Gray	01	○ 2-10	• • 11-100 () 101+	Length (inches)	Comments
Wrasse-Slippery-Dick	○ 1	○ 2-10	• • 11-100 ( 101+	Length (inches)	Comments
Unlisted-See-Comments	01	○ 2-10	0 () 11-100 () 101+	Length (inches)	Comments
Unlisted-See-Comments	01	○ 2-10	0 ( 11-100 ( 101+	Length (inches)	Comments
Unlisted-See-Comments	○ 1	○ 2-10	0 () 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% ●	26-50% () 51-75%	○ 76-100%	Size (inches)	Describe	
✓ Bivalves	○ 1-25% ●	26-50% () 51-75%	○ 76-100%	Size (inches)	Describe	
Coral-Colorful-Sea-Whip	<ul> <li>1-25% ()</li> </ul>	26-50% () 51-75%	○ 76-100%	Size (inches)	Describe	
Coral-Hard-Unkown	<ul> <li>1-25% ()</li> </ul>	26-50% () 51-75%	○ 76-100%	Size (inches)	Describe	Hidden Cup
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	<ul> <li>1-25% ()</li> </ul>	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	tunicates

### Invertebrates at Reef (Click on the hyper-links below for identification)

Cowry-Spotted-Cyphoma	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Cowry-West-Indian-Simnia	01	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Swimming	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Stareye-Hermit	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Stone	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Yellowline-Arrow	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab?	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Lobster-Shovelnose	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Lobster-Spiny	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Octopus	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Cucumber	<u> </u>	O 2-10	11-100	○ 101+	Size (inches)	Comments
Sea-Slug	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Star	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
✓ Sea-Urchin	○ 1	O 2-10	11-100	○ 101+	Size (inches)	Comments

Snail-Atlantic-Hairy-Triton	○ 1	○ 2-10	○ 11-100	0 101+	Size (inches)	Comments
Snail-Murex	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Snail-Netted-Olive	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Snail-Florida-Horse-Conch	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Unlisted-See-Comments	01	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Turtles and Air Brea	athers/	Mamm	nals (Clic	k on the	hyper-links belo	w for identification)
Turtle-Green	01	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Turtle-Leatherback	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Turtle-Loggerhead	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Turtle?	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Whale?	01	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Unlisted-See-Comments	01	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Unlisted-See-Comments	01	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
 This barge landed upsidedown with it's deck flat on the sea floor. Gray Snapper have excavated a section tunneling the width of a barge to provide a front and rear exit/entrance.

 Width of a barge to provide a front and rear exit/entrance.

 Photos?
 Video?

 Video?
 Video?

Print Form





Image Field







Image Field

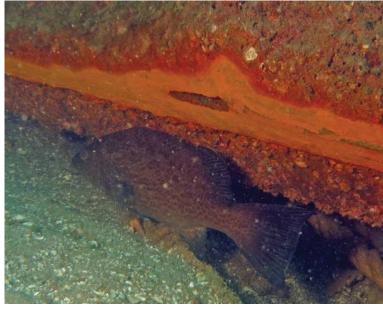


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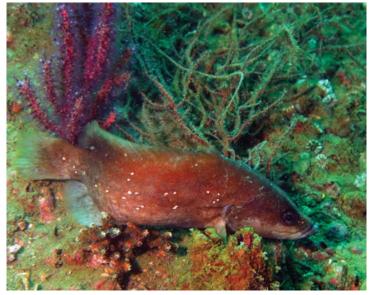




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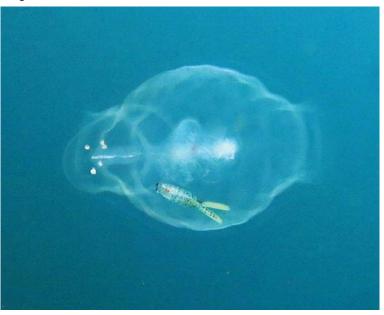


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