MBARA Diver's Reef Survey Form Rev 8 Jun 2011 Clear Form								
Reef Number and Name 9 Gorday's Memorial Reef								
Latitude 29 55.154 Longitude 85 28.818 Was published lat/lon correct? ☐ Yes ⊠ No								
GPS Manufacturer & Model: Garmin 188C								
Sonar Depth (feet) 22 Survey Date Jun 11, 2011 Time 1600								
Weather Conditions Hazy Sea Condition 1-2 foot								
Boat Name Bobcat Boat Captain Bob Cox								
Dive Leader Bob Cox								
Dive Team Members Carol Cox								
Depth Gauge Depth (feet) 21 Diver Bottom Time (minutes) 30								
Water Temp Surface (Fahrenheit) 84 Water Temp Bottom (Fahrenheit) 80								
Water Visibility Surface (feet) 10 Water Visibility Bottom (feet) 20								
Thermocline Depth (feet) 0 Current Direction SW Current Speed (knots) 1								
Other Water Column Characteristics (check all that apply)								
\square Plankton \square Algae \square Jellyfish \boxtimes Turbid \boxtimes Other Low Tide								
Bottom Composition (check all that apply)								
⊠ Sand □ Silt □ Mud □ Gravel □ Shell □ Other								
Reef Materials & Quantity 50 tons concrete pipe/culvert								
Reef Height at Highest Point (measured from base to top of the reef)(feet) 3								
Physical Condition (Durability, stability, storm damage, other damage or movement):								
 No damage Minor damage Moderate damage Major damage Moderate movement Major movement 								
Explain damage/movement and suspected cause partially buried in sand and dispersed								

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

Angelfish-Blue	0	1 (\supset	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Angelfish-Queen	\circ	1 (\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Barracuda-Great	\circ	1 (\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Barracuda-Guaguanche	0	1 (\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Batfish-Polka-Dot	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Blenny-Molly-Miller	\circ	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Blenny-Seaweed	\circ	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Blenny-Tessellated	0	1 (\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Blenny?	\circ	1 (\bigcirc	2-10	•	11-100	\bigcirc	101+	Length (inches) 1	Comments
Butterflyfish-Spotfin	\circ	1 (\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Butterflyfish?	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Cardinalfish-Two-Spot</u>	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Chromis-Purple-Reeffish</u>	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Chromis-Yellowtail-Reeffish	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Cobia (Ling)	0	1 (\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Cowfish-Scrawled	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Damselfish-Cocoa</u>	\circ	1 (\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Damselfish?	\circ	1 (•	2-10	\bigcirc	11-100	\circ	101+	Length (inches) .5	Comments
Dolphin?	\circ	1 (\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u>Drum-Cubbyu</u>	0	1 (•	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches) .25-1	Comments
<u>Drum-Jackknifefish</u>	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Eel?	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Flounder-Gulf	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Filefish?	\circ	1 (\circ	2-10	0	11-100	\circ	101+	Length (inches)	Comments
Frogfish-Ocellated	•	1 (\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches) 2	Comments
Goby-Spotted	0	1 (\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Goby?	0	1 (\bigcirc	2-10	0	11-100	\circ	101+	Length (inches)	Comments

Grouper-Gag	\circ	1	\circ	2-10	•	11-100	\bigcirc	101+	Length (inches) 12-24	Comments
Grouper-Goliath	\circ	1	0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
Grouper-Red	\circ	1 (0	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Grouper-Rock-Hind	\circ	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u>Grouper-Scamp</u>	\circ	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u>Grunt-Tomtate</u>	\circ	1 (\bigcirc	2-10	\bigcirc	11-100	•	101+	Length (inches) 1	Comments
Grunt-White	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Grunt?	0	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Jack-Blue-Runner</u>	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Jack-Greater-Amberjack</u>	0	1 (\circ	2-10	•	11-100	\bigcirc	101+	Length (inches) 11	Comments
<u>Jack-Lookdown</u>	\circ	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Jack-Rainbow-Runner</u>	\circ	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Jack-Round-Scad-Cigar-</u> <u>Minnow</u>	\circ	1 (\circ	2-10	•	11-100	\bigcirc	101+	Length (inches) 1	Comments
Jack?	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Lizardfish?	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
<u>Mackeral-King</u>	\circ	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u>Mackeral-Spanish</u>	•	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches) 12	Comments
<u>Mahi</u>	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	0	1 (\circ	2-10	\bigcirc	11-100	•	101+	Length (inches) 1	Comments
Pinfish?	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Porgy-Saucereye	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Porgy-Sheepshead-Porgy	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Porgy-Sheepshead	0	1 (\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Porgy?	0	1 (\circ	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
<u>Puffer-Bandtail</u>	0	1 (\circ	2-10	0	11-100	0	101+	Length (inches)	Comments
<u>Puffer-Sharpnose</u>	\circ	1 (\circ	2-10	0	11-100	0	101+	Length (inches)	Comments
Puffer?	0	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments

Ray?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Shark? Nurse	1	O 2-10	<u> </u>	O 101+	Length (inches) 54	Comments
Sharksucker-Sharksucker	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Sand-Perch	1	O 2-10	<u> </u>	O 101+	Length (inches) 2	Comments
<u>Seabass-Bank</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	O 1	2-10	<u> </u>	O 101+	Length (inches) 1	Comments
<u>Seabass-Black</u>	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Seabass-Pygmy</u>	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Seabass?	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
<u>Snapper-Gray</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Snapper-Lane</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Snapper-Red</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Vermillion	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Snapper?	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Soapfish-Whitespotted	<u> </u>	2-10	<u> </u>	O 101+	Length (inches) 6	Comments
Spadefish-Atlantic	<u> </u>	O 2-10	11-100	O 101+	Length (inches) 8	Comments
Toadfish-Leopard	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Triggerfish-Gray	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Wrasse-Slippery-Dick	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments

Growth on Reef (Click on the hyper-links below for identification)

Algae	\bigcirc	1-25%	•	26-509	6 C	51-75	% C	76-10	0%	Size (inche	s) 2	Describe	reddish
<u>Anemone</u>	•	1-25%	\bigcirc	26-509	6 C	51-75	% (76-10	0%	Size (inche	s) 1	Describe	
<u>Barnacles</u>	•	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s) 1	Describe	
<u>Bivalves</u>	\bigcirc	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
Coral-Colorful-Sea-Whip	\bigcirc	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
<u>Coral-Hard-Unkown</u>	0	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
<u>Coral-Gorgonian</u>	\bigcirc	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
<u>Coral-Occulina</u>	0	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
Coral-White-Telesto	\bigcirc	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
Feather-Duster-Worms	\bigcirc	1-25%	\bigcirc	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
<u>Sponges</u>	0	1-25%	0	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
Unlisted	0	1-25%	0	26-50%	6 C	51-75	% (76-10	0%	Size (inche	s)	Describe	
Invertebrates at Reef (Click on the hyper-links below for identification)													
Cowry-Spotted-Cyphoma	\bigcirc	1	\bigcirc	2-10	\circ	11-100	0	101+	Size	(inches)		Comments	
Cowry-West-Indian-Simnia	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Size	(inches)		Comments	
<u>Crab-Swimming</u>	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Size	(inches)		Comments	
<u>Crab-Stareye-Hermit</u>	\circ	1	\bigcirc	2-10	\circ	11-100	0 1	101+	Size	(inches)		Comments	
<u>Crab-Stone</u>	\circ	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size	(inches)		Comments	
<u>Crab-Yellowline-Arrow</u>	\circ	1	\bigcirc	2-10	\circ	11-100	0	101+	Size	(inches)		Comments	
Crab? hermit crabs	\circ	1	•	2-10	\circ	11-100	0	101+	Size	(inches)	1	Comments	
<u>Lobster-Shovelnose</u>	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Size	(inches)		Comments	
<u>Lobster-Spiny</u>	\circ	1	\bigcirc	2-10	\circ	11-100	0	101+	Size	(inches)		Comments	
<u>Octopus</u>	\circ	1	\bigcirc	2-10	\circ	11-100	0	101+	Size	(inches)		Comments	
<u>Sea-Cucumber</u>	\circ	1	\bigcirc	2-10	\circ	11-100	0	101+	Size	(inches)		Comments	
<u>Sea-Slug</u>	\circ	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size	(inches)		Comments	
<u>Sea-Star</u>	\circ	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size	(inches)		Comments	
<u>Sea-Urchin</u>	\bigcirc	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Size	(inches)		Comments	

Snail-Atlantic-Hairy-Triton	O 1	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
<u>Snail-Murex</u>	O 1	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
Snail-Netted-Olive	O 1		Size (inches) 2	Comments					
Snail-Florida-Horse-Conch	<u> </u>	O 2-10 O 11-100 O 101+	Size (inches)	Comments					
<u>Unlisted</u> snails	<u> </u>		Size (inches)	Comments					
Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification)									
<u>Turtle-Green</u>	O 1	O 2-10 O 11-100 O 101+	Size (inches)	Comments					
Turtle-Leatherback	O 1	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
Turtle-Loggerhead	O 1	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
Turtle?	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
Whale?	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
<u>Unlisted</u>	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
<u>Unlisted</u>	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
Unlisted	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Size (inches)	Comments					
Other Observations/Photos:									
Observations Repeatedly, Bell Shoals sites appear to hold large numbers of Gag Grouper. This shallow area may be an important									
transition z									
Photos? Yes No Attached? Yes No									
Video? ○ Yes ● No									

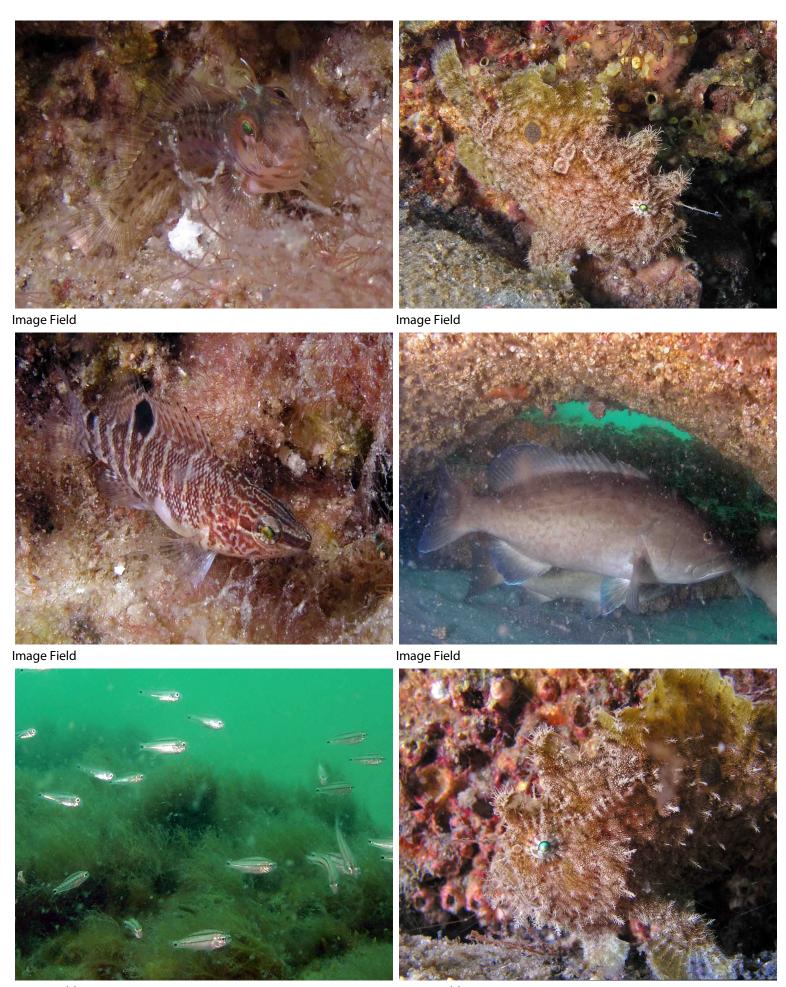
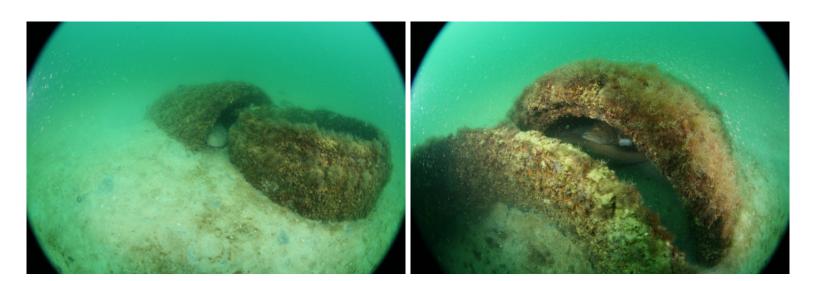


Image Field Image Field





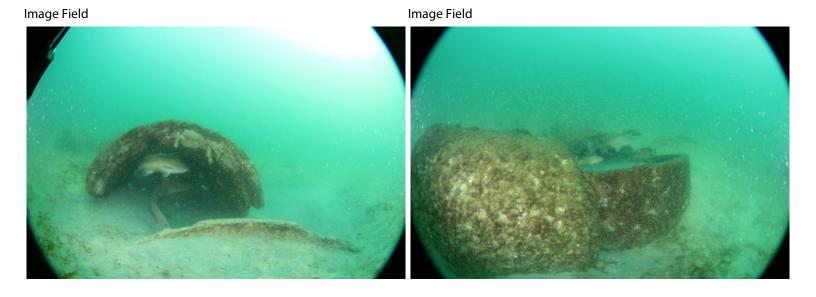


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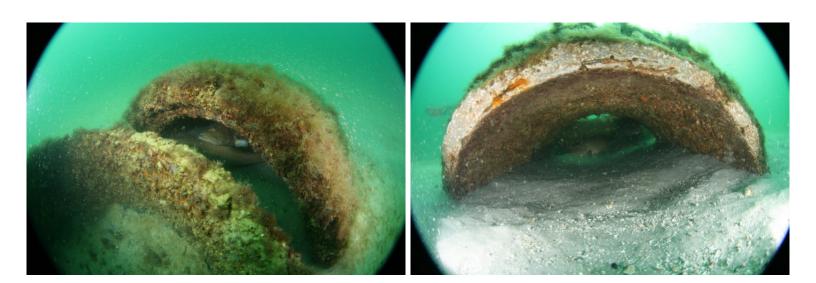






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