MBARA Diver's Reef Survey Form Rev 11 May 2013	Clear Form
Reef Number and Name 51 Compleat Anglers Reef	
Latitude (00 00.000) Longitude (00 00.000) Was published lat/lon correct?	lo
GPS Manufacturer & Model: Garmin 188C	
Sonar Depth (feet) 68 Survey Date Sep 1, 2014 Time 1300	
Weather Conditions Sunny Sea Condition 2 ft	
Boat Name Bob Cat Boat Captain Bob Cox	
Dive Leader Bob Cox	
Dive Team Members Carol Cox, Brian and Kimberly Higdon	
Depth Gauge Depth (feet) 69 Diver Bottom Time (minutes) 61	
Water Temp Surface (Fahrenheit) 86 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)	
$_{\square}$ Plankton $_{\square}$ Algae $_{oxdotine}$ Jellyfish $_{\square}$ Turbid $_{\square}$ Other	
Bottom Composition (check all that apply)	
Sand Silt Mud Gravel Shell Other Other	
Reef Materials & Quantity 15 culverts - flattened metal pipes	
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 	ovement
Explain damage/movement and suspected cause Some sinking, metal rusting/collap	osing

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

✓ Angelfish-Blue	1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Angelfish-Queen	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Barracuda-Great	O 1	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Barracuda-Guaguanche	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
▼ Batfish-Polka-Dot	1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Blenny-Molly-Miller	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Blenny-Seaweed	O 1	O 2-10	11-100	O 101+	Length (inches)	Comments
Blenny-Tessellated	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Blenny?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Butterflyfish-Spotfin	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Butterflyfish?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Cardinalfish-Two-Spot	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	O 2-10	<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	2-10	<u> </u>	O 101+	Length (inches)	Comments
Damselfish?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Dolphin?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ <u>Drum-Cubbyu</u>	O 1	O 2-10	11-100	O 101+	Length (inches)	Comments
Drum-Jackknifefish	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Eel?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Flounder-Gulf	O 1	O 2-10	<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	2-10	<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>	11-100	○ 101+	Length (inches) 12-30	Comments
Grouper-Goliath	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Graysby	O 1	<u> </u>	<u> </u>	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>	11-100	O 101+	Length (inches) 15	Comments
Grunt-Juvenile	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
 Grunt-Tomtate	<u> </u>	<u> </u>	<u> </u>	101+	Length (inches)	Comments
Grunt-White	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
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>	<u> </u>	O 101+	Length (inches)	Comments
√ Jack-Blue-Runner	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
√ Jack-Greater-Amberjack	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
<u> □Jack-Lookdown</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Jack-Round-Scad-Cigar- Minnow	O 1	<u> </u>	O 11-100	101+	Length (inches)	Comments
✓Jack?	1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments yellow
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	2-10	<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	O 1	2-10	<u> </u>	<u> </u>	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	2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ <u>Seabass-Bank</u>	O 1	O 2-10	11-100	O 101+	Length (inches)	Comments
✓ Seabass-Belted-Sandfish	O 1	O 2-10	11-100	O 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ <u>Seabass-Pygmy</u>	O 1	2-10	<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>	11-100	O 101+	Length (inches)	Comments
✓ Snapper-Lane	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Snapper-Red	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
✓ Snapper-Vermillion	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
Snapper?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Spadefish-Atlantic	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
▼ Toadfish-Leopard	1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
 ✓ Triggerfish-Gray	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
✓ Wrasse-Slippery-Dick	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 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 ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) ✓ Anemone Describe **▼**Barnacles Describe ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **▼** Bivalves 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 hidden cup ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Gorgonian Describe **✓** 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 ✓ Unlisted-See-Comments Describe tunicates 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 \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Comments Size (inches) **V**Crab-Yellowline-Arrow \bigcirc 1 ● 2-10 ○ 11-100 ○ 101+ Size (inches) Comments ○ 2-10 ○ 11-100 ○ 101+ Crab? \bigcirc 1 Size (inches) Comments Lobster-Shovelnose \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments Lobster-Spiny ○ 2-10 ○ 11-100 ○ 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 O 2-10 O 11-100 O 101+ Comments Size (inches) Sea-Star O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches) Sea-Urchin O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches)

Snail-Atlantic-Hairy-Triton	O 1	<u>2-10</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	2-10	11-100	O 101+	Size (inches)	Comments Moon Jellyfish	
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	
✓ <u>Turtle?</u>	1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments Kemps Ridly	
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	<u> </u>	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
Other Observation	ns/Pho	tos:					
Observations Juvenile sn	appers						
Pederson C	leaner shrir	np - Few					
Photos? Yes Attached	, Yes						

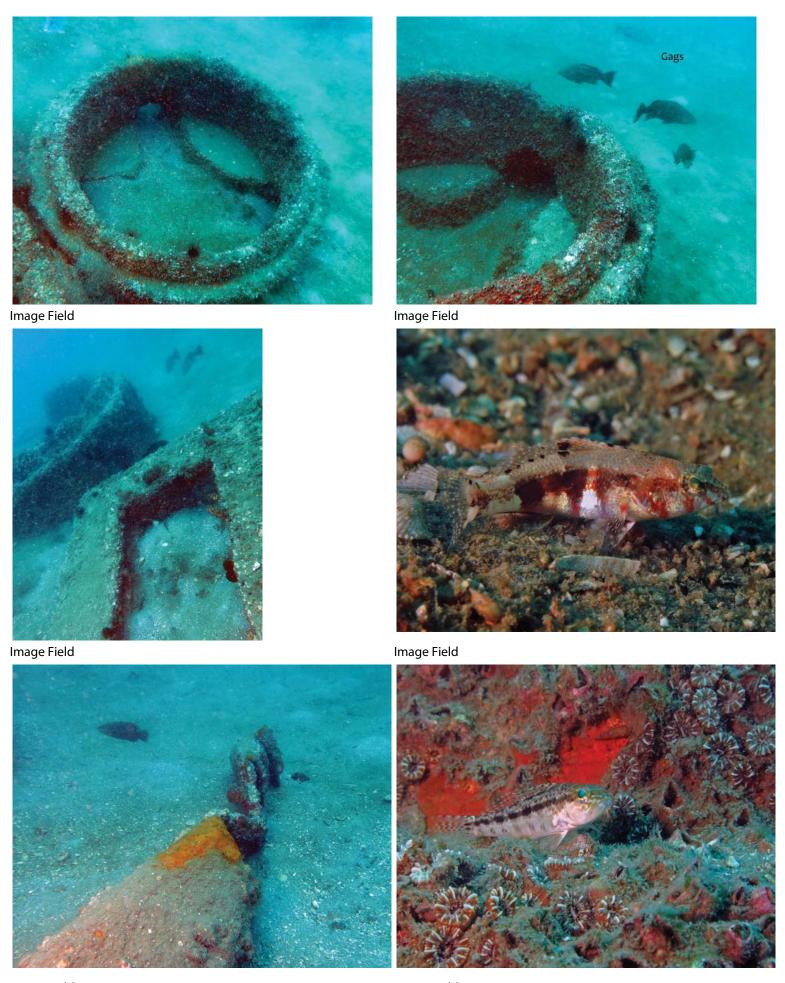


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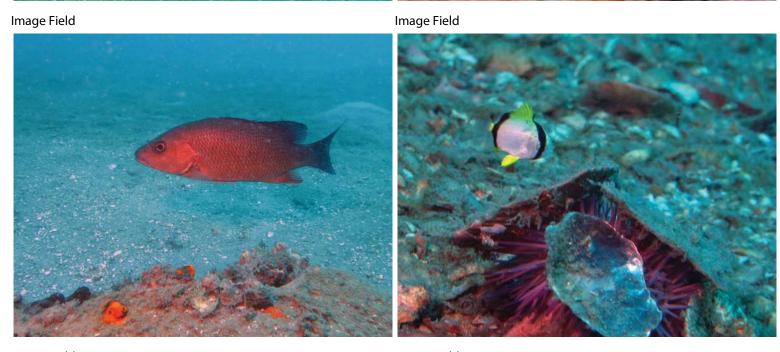


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