MBARA Diver's Reef Survey Form Rev 11 May 2013						
Reef Number and Name 15 Billie & Jack Smith Reef						
Latitude (00 00.000) 29 54.807 Longitude (00 00.000) 85 28.710 Was published lat/lon correct?	es					
GPS Manufacturer & Model: Garmin 188C						
Sonar Depth (feet) 24 Survey Date Jun 25, 2013 Time 0905						
Weather Conditions Sunny Sea Condition Calm						
Boat Name Bobcat Boat Captain Bob Cox						
Dive Leader Bob Cox						
Dive Team Members Carol Cox						
Depth Gauge Depth (feet) 26 Diver Bottom Time (minutes) 60						
Water Temp Surface (Fahrenheit) 84 Water Temp Bottom (Fahrenheit) 83						
Water Visibility Surface (feet) 30 Water Visibility Bottom (feet) 30						
Thermocline Depth (feet) Current Direction E Current Speed (knots)	.25					
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 ☐						
Reef Materials & Quantity 6 reef balls						
Reef Height at Highest Point (measured from base to top of the reef)(feet) 2						
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 net, 1 reef ball 90% buried						

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

Angelfish-Blue	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Angelfish-Queen	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Barracuda-Great	O 1	<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>	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>	<u> </u>	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
<u> </u>	O 1	2-10	O 11-100	○ 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	O 1	<u> </u>	O 11-100	○ 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Cobia (Ling)	<u> </u>	<u> </u>	O 11-100	○ 101+	Length (inches)	Comments
Cowfish-Scrawled	O 1	<u> </u>	O 11-100	○ 101+	Length (inches)	Comments
<u> ✓ Damselfish-Cocoa</u>	O 1	<u> </u>	11-100	○ 101+	Length (inches)	Comments
Damselfish?	O 1	<u> </u>	O 11-100	○ 101+	Length (inches)	Comments
Dolphin?	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
☐ <u>Drum-Cubbyu</u>	O 1	<u> </u>	O 11-100	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	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	2-10	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Goliath	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Graysby	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Red	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Rock-Hind	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Scamp	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt-Juvenile	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Grunt-Tomtate	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
Grunt-White	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Grunt?	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments Pigfish
Hogfish	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Hogfish-Spanish	O 1	<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>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Greater-Amberjack	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Jack-Lookdown</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Round-Scad-Cigar- Minnow	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
_Jack?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Lionfish	O 1	<u> </u>	<u> </u>	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
<u>✓ Mackeral-Spanish</u>	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	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments

Porgy-Sheepshead	O 1	2-10	<u> </u>	○ 101+	Length (inches)	Comments
Porgy?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Puffer-Bandtail	O 1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments
Puffer-Sharpnose	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Puffer?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Ray?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Shark?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sharksucker-Sharksucker	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sand-Perch	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Bank	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Seabass?	O 1	<u> </u>	<u> </u>	<u> </u>	Length (inches)	Comments
✓ Snapper-Gray	O 1	2-10	<u> </u>	<u> </u>	Length (inches) 9	Comments
✓ Snapper-Lane	O 1	<u> </u>	11-100	O 101+	Length (inches) 8	Comments
✓ Snapper-Red	O 1	<u> </u>	11-100	O 101+	Length (inches) 7-14	Comments
Snapper-Vermillion	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Snapper?	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
✓ <u>Spadefish-Atlantic</u>	O 1	<u> </u>	<u> </u>	101+	Length (inches)	Comments
Toadfish-Leopard	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
<u> </u>	O 1	<u> </u>	11-100	○ 101+	Length (inches) 10	Comments
Wrasse-Slippery-Dick	O 1	<u> </u>	<u> </u>	○ 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 ○ 1-25% **③** 26-50% ○ 51-75% ○ 76-100% Size (inches) **V** 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 ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Gorgonian 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) **V** 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) Crab-Yellowline-Arrow \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments \bigcirc 1 ○ 2-10 11-100 101+ Comments hermit ✓ Crab? Size (inches) Lobster-Shovelnose \bigcirc 1 ○ 2-10 ○ 11-100 ○ 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 ○ 2-10 11-100 101+ Comments | Alpysia brasiliana Size (inches) Sea-Star \bigcirc 1 O 2-10 O 11-100 O 101+ Comments Size (inches) Sea-Urchin ○ 2-10 11-100 101+ \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	2-10	<u> </u>	O 101+	Size (inches)	Comments
Snail-Netted-Olive	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
Snail-Florida-Horse-Conch	O 1	2-10	<u> </u>	O 101+	Size (inches)	Comments
✓ Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	101+	Size (inches)	Comments sand dollars
Turtles and Air Bre	athers/	Mamn	nals (Clic	k on the	hyper-link	ks 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 Observatio	ns/Pho	tos:				
Observations						
Photos? Yes Attached? Yes						
Video? Yes						
-						

Print Form





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