MBARA Diver's Reef Survey Form Rev 11 May 2013						
Reef Number and Name MB-142 Pamela Coplin						
Latitude (00 00.000)	Yes					
GPS Manufacturer & Model: Garmin 188C						
Sonar Depth (feet) 20 Survey Date Jul 3, 2015 Time 1440						
Weather Conditions Sunny Sea Condition 1-2 ft						
Boat Name Bob Cat Boat Captain Bob Cox						
Dive Leader Bob Cox						
Dive Team Members Carol Cox and Brian Higdon						
Depth Gauge Depth (feet) 20 Diver Bottom Time (minutes) 30						
Water Temp Surface (Fahrenheit) Water Temp Bottom (Fahrenheit)						
Water Visibility Surface (feet) 20 Water Visibility Bottom (feet) 20						
Thermocline Depth (feet) Current Direction Current Speed (knots)						
Other Water Column Characteristics (check all that apply)						
\square Plankton \square Algae \square Jellyfish \boxtimes Turbid \square Other						
Bottom Composition (check all that apply)						
⊠ Sand ☐ Silt ☐ Mud ☐ Gravel ☒ Shell ☐ Other ☐						
Reef Materials & Quantity 5 FLAR and 2 Hybrid GRs						
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):						
 No damage	novement					
Explain damage/movement and suspected cause						

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

	<u> </u>	2-10	<u> </u>	O 101+	Length (inches)	Comments
Angelfish-Queen	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Barracuda-Great	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Barracuda-Guaguanche	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Batfish-Polka-Dot	O 1	<u> </u>	<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	<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
Cardinalfish-Two-Spot	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Chromis-Purple-Reeffish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Cobia (Ling)	<u> </u>	<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	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Dolphin?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Drum-Cubbyu	O 1	<u> </u>	<u> </u>	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	O 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	O 2-10	<u> </u>	O 101+	Length (inches)	Comments

✓ Grouper-Gag	0	1 (•	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
✓ Grouper-Goliath	•	1 (0	2-10	0	11-100	\circ	101+	Length (inches) 48-52	Comments Undercover
Grouper-Graysby	0	1 (0	2-10	0	11-100	\circ	101+	Length (inches) 10	Comments
✓ Grouper-Red	•	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Grouper-Rock-Hind	0	1 (0	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Grouper-Scamp	0	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Grunt-Juvenile	0	1 (0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Grunt-Tomtate	0	1 (0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
Grunt-White	0	1 (0	2-10	0	11-100	0	101+	Length (inches)	Comments
Grunt?	\circ	1 (0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Hogfish		1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
☐ Hogfish-Spanish	0	1 (0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	0	1 (0	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Jack-Blue-Runner	0	1 (\circ	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
√ Jack-Greater-Amberjack	•	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u> </u>	0	1 (0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
☐ Jack-Rainbow-Runner	0	1 (0	2-10	0	11-100	\bigcirc	101+	Length (inches)	Comments
Jack-Round-Scad-Cigar- Minnow	0	1 (0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
☐ <mark>Jack?</mark>	0	1 (\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Lionfish	0	1 (0	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Lizardfish?	0	1 (0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Mackeral-King	0	1 (0	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Mackeral-Spanish	0	1 (0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
<u>Mahi</u>	0	1 (0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	\circ	1 (\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Pinfish?		1 (0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Porgy-Saucereye	0	1 (0	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Porgy-Sheepshead-Porgy	\circ	1 (\circ	2-10	\circ	11-100	\circ	101+	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>	○ 101+	Length (inches)	Comments
Sharksucker-Sharksucker	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Sand-Perch	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass-Bank	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Seabass-Belted-Sandfish	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
Seabass-Black	<u> </u>	O 2-10	<u> </u>	○ 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Seabass?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Snapper-Gray	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Lane	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Red	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Vermillion	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Snapper?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
 Spadefish-Atlantic	O 1	<u> </u>	<u> </u>	101+	Length (inches)	Comments
Toadfish-Leopard	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
 ✓ Triggerfish-Gray	O 1	<u> </u>	11-100	○ 101+	Length (inches)	Comments
Wrasse-Slippery-Dick	O 1	O 2-10	<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% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) ☐ 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) □Unlisted-See-Comments Describe 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 O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches) Crab-Yellowline-Arrow \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments O 2-10 O 11-100 O 101+ Crab? \bigcirc 1 Size (inches) Comments Lobster-Shovelnose O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments Lobster-Spiny O 2-10 O 11-100 O 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 \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	\bigcirc 1	<u> </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	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Turtles and Air Bre	athers/	Mamm	nals (Clic	k on the	hyper-links belo	w 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? No Attached?						
Video?	No					
Yes						

Image Field

Image Field

Image Field

Image Field

Image Field Image Field Image Field Image Field

Image Field Image Field Image Field Image Field

Image Field

Image Field

Image Field

Image Field