MBARA Diver's Reef Survey Form Rev 11 May 2013						
Reef Number and Name 75 City of MB 2003 Grant Reef						
Latitude (00 00.000) 29 53.889 Longitude (00 00.000) 85 32.580 Was published lat/lon correct? Yes						
GPS Manufacturer & Model: Garmin 188C						
Sonar Depth (feet) 65 Survey Date Sep 7, 2015 Time 1330						
Weather Conditions partly sunny Sea Condition 1-2 ft						
Boat Name Bob Cat Boat Captain Bob Cox						
Dive Leader Carol cox						
Dive Team Members Jennifer Bushnell						
Depth Gauge Depth (feet) 69 Diver Bottom Time (minutes) 45						
Water Temp Surface (Fahrenheit) 84 Water Temp Bottom (Fahrenheit) 84						
Water Visibility Surface (feet) 15 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 75 Giant reef balls						
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	ent					
Explain damage/movement and suspected cause Many reefballs broken						

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

Angelfish-Blue	<u> </u>	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
Angelfish-Queen	<u> </u>	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
Barracuda-Great	<u> </u>	<u> </u>	11-100	O 101+	Length (inches)	Comments
Barracuda-Guaguanche	<u> </u>	<u> </u>	11-100	O 101+	Length (inches)	Comments
Batfish-Polka-Dot	<u> </u>	<u> </u>	11-100	O 101+	Length (inches)	Comments
Blenny-Molly-Miller	<u> </u>	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
✓ Blenny-Seaweed	<u> </u>	2-10	11-100	O 101+	Length (inches)	Comments
Blenny-Tessellated	<u> </u>	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
⊠ <u>Blenny?</u>	1	<u> </u>	11-100	O 101+	Length (inches)	Comments Barred blenny
 ■ Butterflyfish-Spotfin	O 1	2-10	11-100	O 101+	Length (inches)	Comments
Butterflyfish?	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
	O 1	2-10	11-100	O 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	<u> </u>	<u> </u>	11-100	O 101+	Length (inches)	Comments
Cobia (Ling)	<u> </u>	<u> </u>	11-100	<u> </u>	Length (inches)	Comments
Cowfish-Scrawled	<u> </u>	C 2-10 C	11-100	O 101+	Length (inches)	Comments
✓ Damselfish-Cocoa	<u> </u>	<u> </u>	11-100	O 101+	Length (inches)	Comments
Damselfish?	<u> </u>	C 2-10 C	11-100	O 101+	Length (inches)	Comments
Dolphin?	O 1	C 2-10 C	11-100	O 101+	Length (inches)	Comments
✓ Drum-Cubbyu	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
Drum-Jackknifefish	O 1	C 2-10 C	11-100	O 101+	Length (inches)	Comments
Eel?	O 1	C 2-10 C	11-100	O 101+	Length (inches)	Comments
Flounder-Gulf	O 1	C 2-10 C	11-100	O 101+	Length (inches)	Comments
Filefish?	O 1	O 2-10 O	11-100	O 101+	Length (inches)	Comments
Frogfish-Ocellated	<u> </u>	O 2-10 O	11-100	O 101+	Length (inches)	Comments
 ✓ Goby-Spotted	<u> </u>	○ 2-10 •	11-100	O 101+	Length (inches)	Comments
✓Goby?	1	C 2-10 C	11-100	O 101+	Length (inches)	Comments Tiger goby

✓ Grouper-Gag	O 1	2-10	<u> </u>	<u> </u>	Length (inches)	Comments
Grouper-Goliath	O 1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Graysby	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Red	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Rock-Hind	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Grouper-Scamp	1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt-Juvenile	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
✓ Grunt-Tomtate	<u> </u>	<u> </u>	<u> </u>	101+	Length (inches)	Comments
Grunt-White	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Grunt?	O 1	<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>	○ 101+	Length (inches)	Comments
✓ Jack-Almaco-Lesser-AJ	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments
☐ Jack-Blue-Runner	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Greater-Amberjack	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Lookdown	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Rainbow-Runner	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?	1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments Yellow jack
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
✓ Mackeral-Spanish	1	<u> </u>	<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>	O 11-100	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	<u> </u>	2-10	<u> </u>	O 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
<u> ✓ Puffer-Sharpnose</u>	O 1	2-10	<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>	O 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	<u> </u>	<u> </u>	O 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>	<u> </u>	<u> </u>	○ 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>	<u> </u>	101+	Length (inches)	Comments
Snapper-Lane	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Snapper-Red	O 1	2-10	<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>	○ 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	2-10	<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	1	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
✓ Wrasse-Slippery-Dick	O 1	<u> </u>	11-100	○ 101+	Length (inches)	Comments
✓ Unlisted-See-Comments	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments Zebratail blenny
✓ Unlisted-See-Comments	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments Cobia
✓ Unlisted-See-Comments	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments Banded Pipefish

Growth on Reef (Click on the hyper-links below for identification) ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Algae 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 **▼**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 ● 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 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 O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches) \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 \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 \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-Murex	Snail-Atlantic-Hairy-Triton	<u> </u>	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
State Florida Horse-Conch Comments Comments	Snail-Murex	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification)	Snail-Netted-Olive	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification) Turtle-Green	Snail-Florida-Horse-Conch	<u> </u>	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
Turtle-Leatherback	✓ Unlisted-See-Comments	1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments mantis shrimp	
Turtle-Leatherback 1 2-10 11-100 101+ Size (inches) Comments Turtle-Loggerhead 1 2-10 11-100 101+ Size (inches) Comments Turtle? 1 2-10 11-100 101+ Size (inches) Comments Whale? 1 2-10 11-100 101+ Size (inches) Comments Unlisted-See-Comments 1 2-10 11-100 101+ Size (inches) Comments Unlisted-See-Comments 1 2-10 11-100 101+ Size (inches) Comments Vother Observations/Photos: Observations Painted wrasse - M Attached? Ves Attached? Ves	Turtles and Air Bre	athers/	'Mamm	nals (Clic	k on the	hyper-link	s below for identification)	
Turtle-Loggerhead	Turtle-Green	<u> </u>	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
Turtle2	Turtle-Leatherback	<u> </u>	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
Whale? 0 1 0 2-10 0 11-100 0 101+ Size (inches) Comments Unlisted-See-Comments 0 1 0 2-10 0 11-100 101+ Size (inches) Comments Unlisted-See-Comments 0 1 0 2-10 0 11-100 101+ Size (inches) Comments VOther Observations/Photos: Observations Painted wrasse - M Photos? Ves Attached? Ves	Turtle-Loggerhead	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
Tunlisted-See-Comments 1 2-10 11-100 101+ Size (inches) Comments **Other Observations/Photos:** Observations Painted wrasse - M Photos? Ves Attached? Ves	Turtle?	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments	
Unlisted-See-Comments 1 2-10 11-100 101+ Size (inches) Comments Unlisted-See-Comments 1 2-10 11-100 101+ Size (inches) Comments Vother Observations/Photos: Observations Painted wrasse - M Photos? Yes Attached? Yes	Whale?	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
Unlisted-See-Comments 1 2-10 11-100 101+ Size (inches) Comments Other Observations/Photos: Observations Painted wrasse - M Photos? Yes Attached? Yes	Unlisted-See-Comments	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
✓ Other Observations/Photos: Observations Painted wrasse - M Photos² Yes Attached? Yes	Unlisted-See-Comments	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
Observations Painted wrasse - M Photos? res Attached? ves	Unlisted-See-Comments	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments	
Photos? Ves Attached? Ves	✓ Other Observations/Photos:							
	Observations Painted wra	asse - M						
Video?	Photos? Attached?							
No No	1.63	Yes						

Print Form





Image Field



Image Field



Image Field



Image Field

Image Field



Image Field

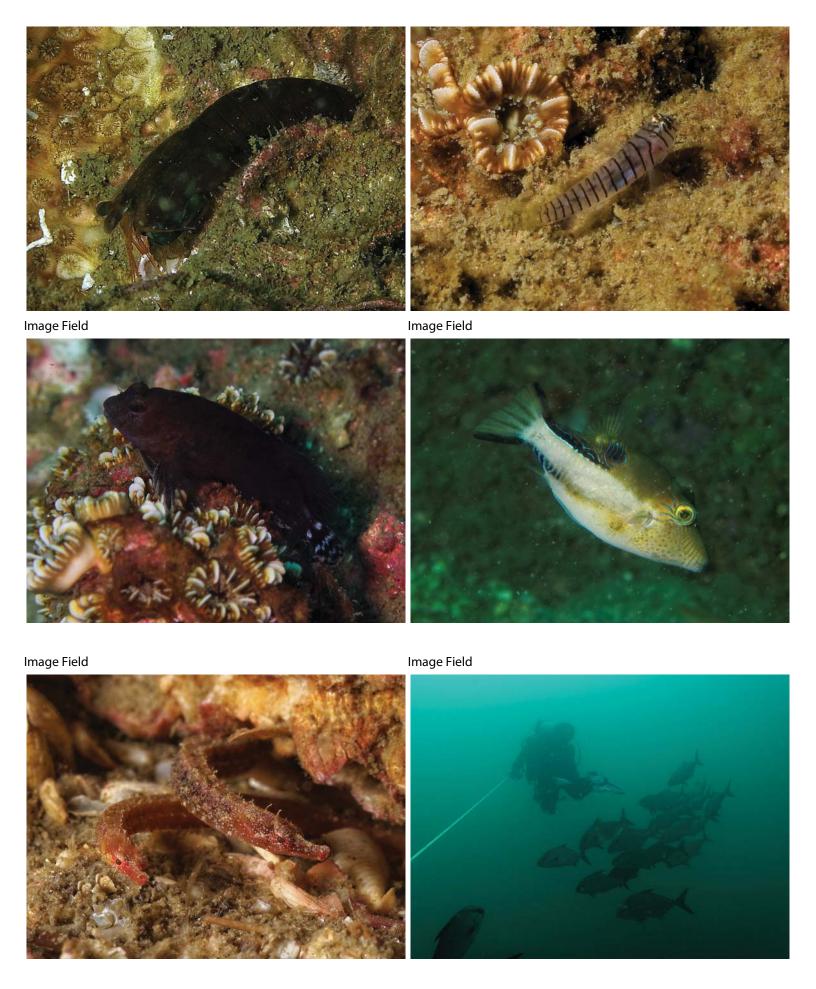


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