MBARA Diver's Reef Survey Form Rev 11 May 2013	Clear Form
Reef Number and Name 50 Monachelli Memorial Reef	
Latitude (00 00.000) Longitude (00 00.000) 85 32.363 Was published lat/lon correct?	Yes
GPS Manufacturer & Model: Garmin 188C	
Sonar Depth (feet) 65 Survey Date May 10, 2013 Time 1315	
Weather Conditions Overcast Sea Condition 1 ft	
Boat Name Bobcat Boat Captain Bob Cox	
Dive Leader Bob Cox	
Dive Team Members Carol Cox	
Depth Gauge Depth (feet) 66 Diver Bottom Time (minutes) 30	
Water Temp Surface (Fahrenheit) 72 Water Temp Bottom (Fahrenheit) 71	
Water Visibility Surface (feet) 20 Water Visibility Bottom (feet) 40	
Thermocline Depth (feet) 0 Current Direction SW Current Speed (knots)	0
Other Water Column Characteristics (check all that apply)	
oxtimes Plankton $oxtimes$ Algae $oxtimes$ Jellyfish $oxtimes$ Turbid $oxtimes$ Other	
Bottom Composition (check all that apply)	
⊠ Sand □ Silt □ Mud □ Gravel ⊠ Shell □ Other □	
Reef Materials & Quantity Concrete culverts	
Reef Height at Highest Point (measured from base to top of the reef)(feet) 5	
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)

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Angelfish-Blue	\bigcirc 1	2-10	<u> </u>	O 101+	Length (inches) 8	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	\bigcirc 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
▼ Batfish-Polka-Dot	\bigcirc 1	2-10	<u> </u>	O 101+	Length (inches) 11	Comments
Blenny-Molly-Miller	\bigcirc 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
✓ Blenny-Seaweed	O 1	<u> </u>	11-100	O 101+	Length (inches) 1	Comments
Blenny-Tessellated	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Blenny?	O 1	<u> </u>	O 11-100	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	2-10	<u> </u>	O 101+	Length (inches) 1	Comments
Chromis-Purple-Reeffish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Chromis-Yellowtail- Reeffish	O 1	2-10	<u> </u>	O 101+	Length (inches) .5	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	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Damselfish?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Dolphin?	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
✓ Drum-Cubbyu	O 1	2-10	<u> </u>	O 101+	Length (inches) 1-8	Comments
Drum-Jackknifefish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Eel?	O 1	<u> </u>	O 11-100	O 101+	Length (inches)	Comments
Flounder-Gulf	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Filefish?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Frogfish-Ocellated	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Goby-Spotted	<u> </u>	<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	<u> </u>	11-100	○ 101+	Length (inches) 12-24	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>	○ 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) 8	Comments
Grunt-Juvenile	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt-Tomtate	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt-White	O 1	<u> </u>	<u> </u>	O 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>	O 101+	Length (inches)	Comments
☐ Jack-Almaco-Lesser-AJ	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
☐ Jack-Blue-Runner	<u> </u>	<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
Mackeral-Spanish	O 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	101+	Length (inches) 1	Comments
Pinfish?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Porgy-Saucereye	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
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▼ Porgy-Sheepshead	<u> </u>	2-10	<u> </u>	O 101+	Length (inches) 12	Comments
Porgy?	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
V Puffer-Bandtail	1	O 2-10	<u> </u>	O 101+	Length (inches) 5	Comments
Puffer-Sharpnose	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Puffer?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Ray?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Shark?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Sharksucker-Sharksucker	<u> </u>	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Sharksucker-Whitefin	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Sand-Perch	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ <u>Seabass-Bank</u>	O 1	2-10	O 11-100	O 101+	Length (inches) 2-6	Comments
✓ Seabass-Belted-Sandfish	O 1	2-10	<u> </u>	O 101+	Length (inches) 3	Comments
Seabass-Black	<u> </u>	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Seabass-Pygmy	<u> </u>	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Seabass?	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
✓ Snapper-Gray	<u> </u>	2-10	O 11-100	O 101+	Length (inches) 15	Comments
Snapper-Lane	<u> </u>	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Snapper-Red	<u> </u>	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Snapper-Vermillion	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Snapper?	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
✓ Soapfish-Whitespotted	O 1	2-10	O 11-100	O 101+	Length (inches) 6	Comments
Spadefish-Atlantic	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
Toadfish-Leopard	O 1	O 2-10	O 11-100	O 101+	Length (inches)	Comments
√ Triggerfish-Gray	O 1	2-10	O 11-100	O 101+	Length (inches) 8	Comments
✓ Wrasse-Slippery-Dick	O 1	2-10	O 11-100	O 101+	Length (inches) 2	Comments
✓ Unlisted-See-Comments	1	<u> </u>	<u> </u>	O 101+	Length (inches) 3	Comments Unkown Pipefish
Unlisted-See-Comments	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Unlisted-See-Comments	O 1	O 2-10	O 11-100	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) ■ 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 \bigcirc 1 O 2-10 O 11-100 O 101+ Crab? Size (inches) Comments Lobster-Shovelnose O 2-10 O 11-100 O 101+ \bigcirc 1 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-Atlantic-Hairy-Triton	O 1	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments
Snail-Murex	O 1	O 2-10	<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	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
Turtles and Air Bre	eathers/	′Mamm	nals (Clic	k on the	hyper-linl	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	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
Whale?	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
Unlisted-See-Comments	O 1	O 2-10	<u> </u>	O 101+	Size (inches)	Comments
✓ Other Observation	ns/Pho	tos:				
			ning a sheeps	shead porgy.		
	i juvenile cu		ning a sheeps	shead porgy.		
Observations Observed a	i juvenile cu		ning a sheeps	shead porgy.		
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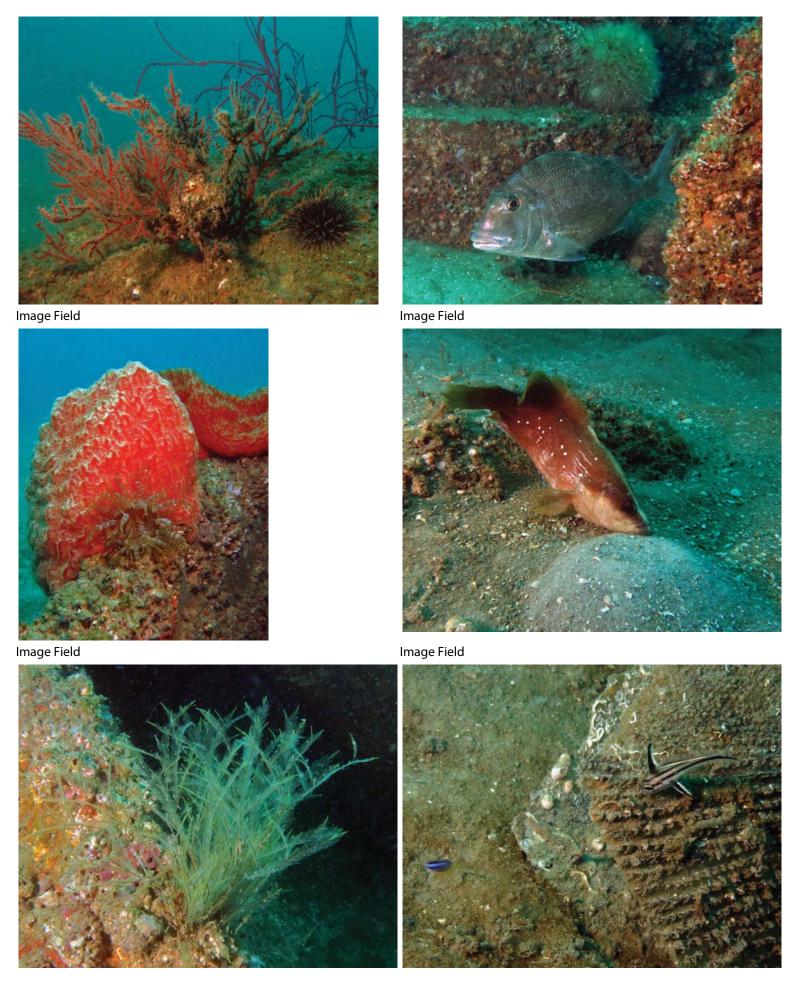


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