MBARA Diver's Reef Survey Form Rev 24 Jun 2011  Clear Form							
Reef Number and Name 54 Red Dove Reef							
Latitude 29 53.491 Longitude 29 53.491 Was published lat/lon correct? ⊠ Yes □ No							
GPS Manufacturer & Model: Garmin 188C							
Sonar Depth (feet) 70 Survey Date Jul 15, 2011 Time 1200							
Weather Conditions Partly Cloudy Sea Condition 2-3 ft							
Boat Name Bobcat Boat Captain Bob Cox							
Dive Leader Bob Cox							
Dive Team Members Carol Cox							
Depth Gauge Depth (feet) 72 Diver Bottom Time (minutes) 66							
Water Temp Surface (Fahrenheit) 85 Water Temp Bottom (Fahrenheit) 71							
Water Visibility Surface (feet) 25 Water Visibility Bottom (feet) 6							
Thermocline Depth (feet) 40 Current Direction Current Speed (knots)							
Other Water Column Characteristics (check all that apply)							
$\Box$ Plankton $\Box$ Algae $oxedow$ Jellyfish $oxedow$ Turbid $\Box$ Other $oxedow$ comb jellyfish							
Bottom Composition (check all that apply)							
⊠ Sand ☐ Silt ☐ Mud ☐ Gravel ☐ Shell ☐ Other ☐							
Reef Materials & Quantity Found 8 of 10 reef balls, widely scattered							
Reef Height at Highest Point (measured from base to top of the reef)(feet)							
Physical Condition (Durability, stability, storm damage, other damage or movement):							
<ul> <li>○ No damage</li> <li>○ Minor damage</li> <li>○ Moderate damage</li> <li>○ Major damage</li> <li>○ Major movement</li> <li>○ Moderate movement</li> <li>○ Major movement</li> </ul>							
Explain damage/movement and suspected cause 1 broken, possible anchor damage							

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

										-	
<u>Angelfish-Blue</u>	$\circ$	1	0	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
Angelfish-Queen	0	1	0	2-10	0	11-100		101+	Length (inches)	Comments	
Barracuda-Great	$\circ$	1	0	2-10	0	11-100		101+	Length (inches)	Comments	
Barracuda-Guaguanche	0	1	0	2-10	0	11-100		101+	Length (inches)	Comments	
Batfish-Polka-Dot	0	1	0	2-10	$\bigcirc$	11-100	01	101+	Length (inches)	Comments	
Blenny-Molly-Miller	0	1	$\bigcirc$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
Blenny-Seaweed	0	1	$\bigcirc$	2-10	•	11-100		101+	Length (inches) 1	Comments	
Blenny-Tessellated	0	1	$\bigcirc$	2-10	0	11-100		101+	Length (inches)	Comments	
Blenny?	0	1	0	2-10	0	11-100		101+	Length (inches)	Comments	
Butterflyfish-Spotfin	0	1	0	2-10	0	11-100		101+	Length (inches)	Comments	
Butterflyfish?	$\circ$	1	0	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
<u>Cardinalfish-Two-Spot</u>	$\circ$	1	0	2-10	$\circ$	11-100		101+	Length (inches)	Comments	
Chromis-Purple-Reeffish	$\circ$	1	0	2-10	$\circ$	11-100		101+	Length (inches)	Comments	
Chromis-Yellowtail-Reeffish	$\circ$	1	0	2-10	$\circ$	11-100		101+	Length (inches)	Comments	
Cobia (Ling)	0	1	0	2-10	$\circ$	11-100		101+	Length (inches)	Comments	
Cowfish-Scrawled	0	1	$\bigcirc$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
<u>Damselfish-Cocoa</u>	0	1	$\bigcirc$	2-10	•	11-100		101+	Length (inches) .5 - 1	Comments	
Damselfish?	0	1	$\bigcirc$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
Dolphin?	0	1	$\bigcirc$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
<u>Drum-Cubbyu</u>	0	1	•	2-10	$\bigcirc$	11-100		101+	Length (inches) 1 - 3	Comments	
<u>Drum-Jackknifefish</u>	0	1	$\circ$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
Eel?	0	1	$\circ$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	
Flounder-Gulf	•	1	$\circ$	2-10	$\bigcirc$	11-100		101+	Length (inches) 12	Comments	
Filefish?	$\circ$	1	$\circ$	2-10	$\circ$	11-100		101+	Length (inches)	Comments	
Frogfish-Ocellated	$\circ$	1	$\circ$	2-10	$\circ$	11-100		101+	Length (inches)	Comments	
Goby-Spotted	$\circ$	1	•	2-10	$\circ$	11-100		101+	Length (inches) 1	Comments	
Goby?	0	1	$\circ$	2-10	$\bigcirc$	11-100		101+	Length (inches)	Comments	

<u>Grouper-Gag</u>	O 1	<ul><li>2-10</li></ul>	<u> </u>	○ 101+	Length (inches) 10	Comments
Grouper-Goliath	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
<u>Grouper-Scamp</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Grunt-Tomtate</u>	O 1	<u> </u>	<u> </u>	<ul><li>101+</li></ul>	Length (inches) 6	Comments
<u>Grunt-White</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt?	<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
<u>Jack-Blue-Runner</u>	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
<u>Jack-Lookdown</u>	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
<u>Jack-Round-Scad-Cigar-</u> <u>Minnow</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Lizardfish?	<u> </u>	<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>	<u> </u>	O 101+	Length (inches)	Comments
Pinfish?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Porgy-Saucereye</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Porgy-Sheepshead-Porgy	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches) 10	Comments
Porgy-Sheepshead	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 101+	Length (inches) 12	Comments
Porgy? Longspine	1	<u> </u>	O 11-100	O 101+	Length (inches) 3	Comments
<u>Puffer-Bandtail</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
<u>Puffer-Sharpnose</u>	O 1	O 2-10	<u> </u>	O 101+	Length (inches)	Comments
Puffer?	<u> </u>	O 2-10	<u> </u>	O 101+	Length (inches)	Comments

Ray?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Shark?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Sharksucker-Sharksucker</u>	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches) 24	Comments
Sharksucker-Whitefin	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Sand-Perch	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches) 3	Comments
<u>Seabass-Bank</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches) 1	Comments
Seabass-Belted-Sandfish	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches) 1	Comments
<u>Seabass-Black</u>	<u> </u>	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches) 10 - 14	Comments
<u>Seabass-Pygmy</u>	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches) 1	Comments
Seabass?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Snapper-Gray</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Snapper-Lane</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper-Red	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches) 9	Comments
Snapper-Vermillion	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Snapper?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	<ul><li>2-10</li></ul>	<u> </u>	O 101+	Length (inches) 6	Comments
<u>Spadefish-Atlantic</u>	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Toadfish-Leopard	<ul><li>1</li></ul>	<u> </u>	<u> </u>	O 101+	Length (inches) 12	Comments
Triggerfish-Gray	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches) 10	Comments
Wrasse-Slippery-Dick	O 1	<u> </u>	<ul><li>11-100</li></ul>	O 101+	Length (inches) 1	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Unlisted</u>	<u> </u>	<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) 12 Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Anemone Describe ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) .5 **Barnacles** Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **Bivalves** Describe Coral-Colorful-Sea-Whip • 1-25% C 26-50% C 51-75% C 76-100% Size (inches) 12 Describe Coral-Hard-Unkown ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) 1 Describe ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) | 12 Coral-Gorgonian Describe ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) | 3 Coral-Occulina Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-White-Telesto Describe Feather-Duster-Worms 1-25% 26-50% 51-75% 76-100% Size (inches) Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **Sponges** Describe ● 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) 3 Describe brown colonies Unlisted tuicates Invertebrates at Reef (Click on the hyper-links below for identification) Cowry-Spotted-Cyphoma $\bigcirc$ 1 O 2-10 O 11-100 O 101+ Size (inches) Comments O 2-10 O 11-100 O 101+ Cowry-West-Indian-Simnia $\bigcirc$ 1 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) $\bigcirc$ 1 Crab-Yellowline-Arrow ● 2-10 ○ 11-100 ○ 101+ Size (inches) Comments $\bigcirc$ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments Crab? Lobster-Shovelnose O 2-10 O 11-100 O 101+ $\bigcirc$ 1 Size (inches) Comments **Lobster-Spiny** $\bigcirc$ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments ○ 2-10 ○ 11-100 ○ 101+ Octopus $\bigcirc$ 1 Size (inches) Comments Sea-Cucumber O 2-10 O 11-100 O 101+ $\bigcirc$ 1 Size (inches) Comments Sea-Slug 1 O 2-10 O 11-100 O 101+ Comments ragged sea hare Size (inches) Sea-Star $\bigcirc$ 1 O 2-10 O 11-100 O 101+ Comments Size (inches)

○ 2-10 11-100 101+

Size (inches)

 $\bigcirc$  1

Sea-Urchin

Comments

Snail-Atlantic-Hairy-Triton	O 1	O 2-10 O 11-100	O 101+	Size (inches)	Comments		
<u>Snail-Murex</u>	<ul><li>1</li></ul>	O 2-10 O 11-100	O 101+	Size (inches)	2 Comments		
<u>Snail-Netted-Olive</u>	<u> </u>	C 2-10 C 11-100	O 101+	Size (inches)	Comments		
Snail-Florida-Horse-Conch	<ul><li>1</li></ul>	<u> </u>	O 101+	Size (inches)	8 Comments		
<u>Unlisted</u> snails	<u> </u>	<u> </u>	O 101+	Size (inches)	2 Comments		
Turtles and Air Bre	eathers	/Mammals (Clic	k on the	hyper-link	ks below for identification)		
<u>Turtle-Green</u>	O 1		O 101+	Size (inches)	Comments		
Turtle-Leatherback	O 1	O 2-10 O 11-100	O 101+	Size (inches)	Comments		
Turtle-Loggerhead	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments		
Turtle?	<u> </u>	O 2-10 O 11-100	<u> </u>	Size (inches)	Comments		
Whale?	<u> </u>	O 2-10 O 11-100	O 101+	Size (inches)	Comments		
<u>Unlisted</u>	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments		
<u>Unlisted</u>	<u> </u>	O 2-10 O 11-100	O 101+	Size (inches)	Comments		
<u>Unlisted</u>	<u> </u>	<u> </u>	O 101+	Size (inches)	Comments		
Other Observations/Photos:							
Observations							
Photos? • Yes No Attached? • Yes No							
Video?							



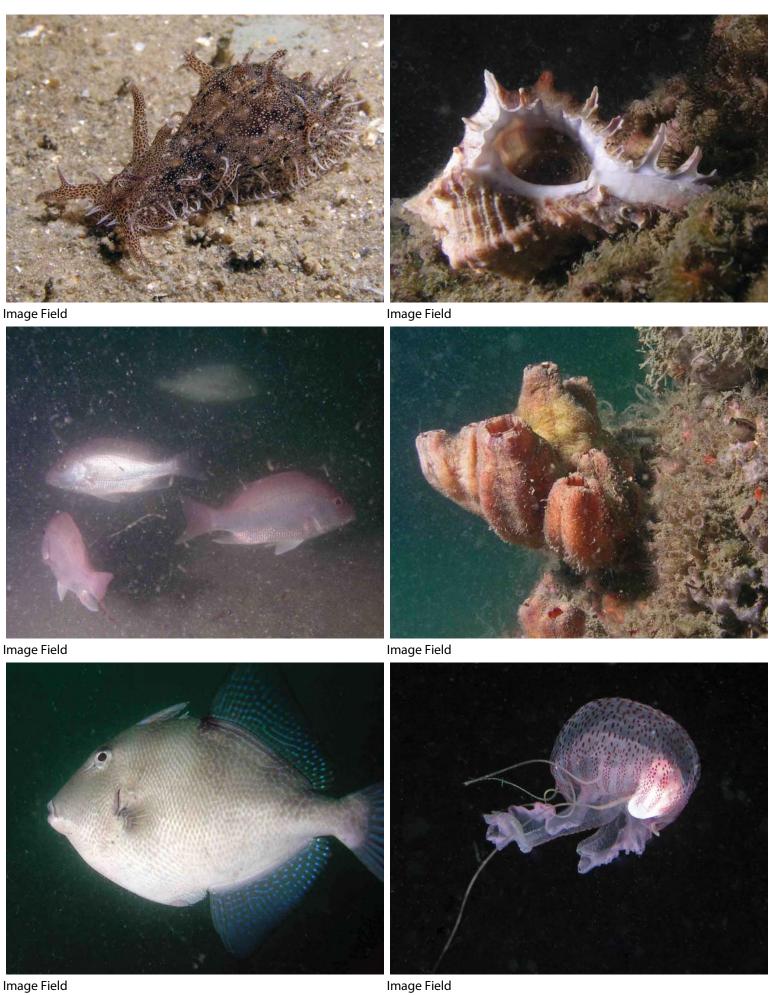


Image Field





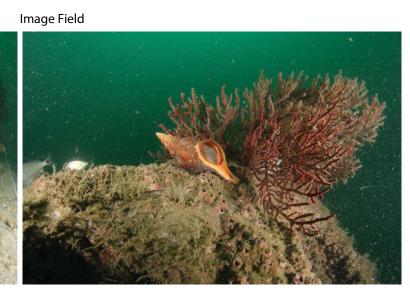






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