MBARA Diver's Reef Survey Form Rev 11 May 2013

Reef Number and Name 6 Cobia Reef	
Latitude (00 00.000) 29 54.381 Longitude (00 00.000) 85 24.346 Was publishe	ed lat/lon correct? No
GPS Manufacturer & Model: Garmin 188C	
Sonar Depth (feet) 26 Survey Date Nov 11, 2013	Time 1130
Weather Conditions Sunny Sea	Condition Calm
Boat Name Bobcat Boa	t Captain Bob Cox
Dive Leader Bob Cox	
Dive Team Members Carol Cox	
Depth Gauge Depth (feet) 26 Diver Bottom Time (min	utes) 30
Water Temp Surface (Fahrenheit) 70 Water Temp Botto	om (Fahrenheit) 68
Water Visibility Surface (feet) 20 Water Visibility Botto	om (feet) 20
Thermocline Depth (feet) 20 Current Direction	Current Speed (knots)
Other Water Column Characteristics (check all that apply)	
\Box Plankton \Box Algae \Box Jellyfish \boxtimes Turbid	Other Green water
Bottom Composition (check all that apply)	
\bowtie Sand \bowtie Silt \square Mud \square Gravel \bowtie Shell	□ Other
Reef Materials & Quantity 5 Reef Balls	
Reef Height at Highest Point (measured from base to top of t	he reef)(feet) 3
Physical Condition (Durability, stability, storm damage, other	damage or movement):
 No damage Minor damage Moderate damage No movement Minor movement Moderate 	
Explain damage/movement and suspected cause	not find the reef balls. Only found a

Clear Form

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

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

Grouper-Gag	○ 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Grouper-Goliath	O 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Grouper-Graysby	○ 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Grouper-Red	O 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Grouper-Rock-Hind	<u> </u>	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Grouper-Scamp	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Grunt-Juvenile	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Grunt-Tomtate	<u> </u>	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Grunt-White	O 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Grunt?	O 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Hogfish	O 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Hogfish-Spanish	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Jack-Blue-Runner	O 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Jack-Greater-Amberjack	○ 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Jack-Lookdown	○ 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Jack-Rainbow-Runner	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Jack-Round-Scad-Cigar- └─Minnow_	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Jack?	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Lionfish	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
<u>Lizardfish?</u>	O 1	○ 2-10 ○ 11	-100 🔿 101+	Length (inches)	Comments
Mackeral-King	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Mackeral-Spanish	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
, <mark>Mahi</mark>	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Pinfish?	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Porgy-Saucereye	○ 1	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments
Porgy-Sheepshead-Porgy	<u> </u>	○ 2-10 ○ 11	-100 () 101+	Length (inches)	Comments

Porgy-Sheepshead	• 1	○ 2-10	○ 11-100 ○ 101+	Length (inches) 15	Comments
Porgy?	01	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Puffer-Bandtail	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Puffer-Sharpnose	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Puffer?	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Ray?	01	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
<u>Shark?</u>	01	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Sharksucker-Sharksucker	O 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Sharksucker-Whitefin	01	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Sand-Perch	• 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass-Bank	• 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass-Belted-Sandfish	• 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass-Black	• 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass-Pygmy	O 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Seabass?	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Snapper-Gray	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Snapper-Lane	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Snapper-Red	○ 1	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Snapper-Vermillion	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Snapper?	O 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Soapfish-Whitespotted	O 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Spadefish-Atlantic	O 1	O 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Toadfish-Leopard	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Triggerfish-Gray	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Wrasse-Slippery-Dick	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Unlisted-See-Comments	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Unlisted-See-Comments	01	○ 2-10	○ 11-100 ○ 101+	Length (inches)	Comments
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100 ○ 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	
Anemone	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Barnacles	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
<u>Bivalves</u>	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) 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	
Coral-Gorgonian	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Coral-Occulina	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) 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	
<u>Sponges</u>	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	
Unlisted-See-Comments	○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe	

Invertebrates at Reef (Click on the hyper-links below for identification)

Cowry-Spotted-Cyphoma	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Cowry-West-Indian-Simnia	<u> </u>	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Swimming	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Stareye-Hermit	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Stone	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab-Yellowline-Arrow	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Crab?	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Lobster-Shovelnose	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Lobster-Spiny	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)	Comments
✓ Octopus	• 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Cucumber	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Slug	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Star	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments
Sea-Urchin	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)	Comments

Snail-Atlantic-Hairy-Triton	<u> </u>	○ 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Snail-Murex	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Snail-Netted-Olive	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Snail-Florida-Horse-Conch	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtles and Air Bre	athers/	Mamm	als (Clic	k on the	hyper-links	s below	/ for identification)
Turtle-Green	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtle-Leatherback	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtle-Loggerhead	01	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Turtle?	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Whale?	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	○ 1	O 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Size (inches)		Comments
Unlisted-See-Comments	○ 1	O 2-10	O 11-100	○ 101+	Size (inches)		Comments

Observations Could not find the reef balls. Only found a farm implement at this location. These material were placed in 1997 using LORAN navigation that may have caused location or conversion errors. Furthermore, other reef balls deployed on this same date were deployed in widely scattered pattern making them difficult to locate with inherent low visibility conditions.

Photos?		Attached?	Yes
Video?	Yes		

Print Form







Image Field





Image Field





Image Field





Image Field



Image Field

Image Field

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