MBARA Diver's Reef Survey Form Rev 20 Jun 2016

Clear Form

Reef Number and Name **105 Stephen A. Cook Reef**

Latitude (00 00.000) **29 46.932** Longitude (00 00.000) **85 42.711** Was published lat/lon correct? **Yes** Sonar Depth (ft) **101**

GPS Manufacturer & Model: **Garmin 188C**

Survey Date **Jul 28, 2018** Dive # **1** Time **1000**

Cloud Cover % **30** Wind Spd & Dir _____ Wave Height (ft) _____

Boat Name **Bobcat** Boat Captain **Bob Cox** Crew **Carol Cox**

Divers **Bob Cox, Carol Cox, Brian Higdon, and Kimberly Higdon**

Survey Type **Roving Diver** Depth Gauge Depth (ft) **105** Diver Bottom Time (minutes) **38**

Water Temp Surface (Fahrenheit) **87** Water Temp Bottom (Fahrenheit) **76**

Water Visibility Surface (feet) **30** Water Visibility Bottom (feet) **20**

Thermocline Depth (feet) _____ Current Direction _____ Current Speed (knots) _____

Other Water Column Characteristics (check all that apply)

☐ Plankton ☐ Algae ☒ Jellyfish ☒ Turbid ☐ Other _____

Bottom Composition (check all that apply)

☒ Sand ☐ Silt ☐ Mud ☐ Gravel ☒ Shell ☐ Other _____

Reef Materials & Quantity **1 FLAR, 1 Grouper Unit**

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 ○ Damage ◉ No movement ○ Movement

Explain damage/movement and suspected cause _____

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

☑ **Angelfish-Blue** ○ 1 ⦿ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Angelfish-Queen** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Barracuda-Great** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Batfish-Polka-Dot** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☑ **Blenny-Seaweed** ○ 1 ⦿ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☑ **Blenny-?** ○ 1 ⦿ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [barred blenny]

☐ **Blenny-?** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Butterflyfish-Spotfin** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Butterflyfish?** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☑ **Cardinalfish-Two-Spot** ○ 1 ⦿ 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 [ ]

☑ **Damselfish-Cocoa** ○ 1 ⦿ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Damselfish?** ○ 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** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Filefish?** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☐ **Frogfish-Ocellated** ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (inches) [ ] Comments [ ]

☑ **Goby-Spotted** ○ 1 ○ 2-10 ⦿ 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-Gag   ○ 1   ○ 2-10   ○ 11-100   ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Goliath   ○ 1   Length: <3ft ○ 3-5ft ○ >5ft ○   Comments [ ]

☐ Grouper-Graysby   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Grouper-Red   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Grouper-Rock-Hind   ○ 1   ○ 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   ○ 1   ○ 2-10 ○ 11-100 ◉ 101+   Length (inches) [ ]   Comments [ ]

☐ Grunt-White   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Grunt?   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Hogfish   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Hogfish-Spanish   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☑ Jack-Almaco   ○ 1   ◉ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Jack-Blue-Runner   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

☐ Jack-Greater-Amberjack   ○ 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 [yellow jack]

☐ Jack?   ○ 1   ○ 2-10 ○ 11-100 ○ 101+   Length (inches) [ ]   Comments [ ]

	Species	1	2-10	11-100	101+	Length (inches)	Comments
☑	Lionfish	○	●	○	○		killed
☐	Mackeral-King	○	○	○	○		
☐	Mackeral-Spanish	○	○	○	○		
☐	Minnows-Glass-Small-Fry	○	○	○	○		
☐	Pinfish?	○	○	○	○		
☐	Porgy-Sheepshead-Porgy	○	○	○	○		
☐	Porgy-Sheepshead	○	○	○	○		
☑	Porgy?	●	○	○	○		whitebone porgy
☐	Puffer-Bandtail	○	○	○	○		
☐	Puffer-Sharpnose	○	○	○	○		
☐	Puffer?	○	○	○	○		
☐	Ray?	○	○	○	○		
☐	Shark-Bull	○	○	○	○		
☐	Shark-Sandbar	○	○	○	○		
☐	Shark?	○	○	○	○		
☐	Sharksucker-Sharksucker	○	○	○	○		
☐	Sand-Perch	○	○	○	○		
☑	Seabass-Bank	●	○	○	○		
☑	Seabass-Belted-Sandfish	○	●	○	○		
☐	Seabass-Black	○	○	○	○		
☐	Seabass-Pygmy	○	○	○	○		
☐	Seabass?	○	○	○	○		
☐	Snapper-Gray	○	○	○	○		
☐	Snapper-Lane	○	○	○	○		
☑	Snapper-Red	○	○	●	○		
☑	Snapper-Vermillion	○	○	○	●		
☐	Snapper?	○	○	○	○		
☑	Soapfish-Whitespotted	○	●	○	○		

☐ **Spadefish-Atlantic**	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☑ **Toadfish-Leopard**	◉ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☑ **Triggerfish-Gray**	○ 1	◉ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☑ **Wrasse-Painted-Wrasse**	○ 1	◉ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ **Wrasse-Slippery-Dick**	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☑ Unlisted-See-Comments	○ 1	○ 2-10	◉ 11-100	○ 101+	Length (inches) [ ]	Comments [moustache ⊞]
☑ Unlisted-See-Comments	○ 1	◉ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [blue dartfish]
☐ Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ Unlisted-See-Comments	○ 1	○ 2-10	○ 11-100	○ 101+	Length (inches) [ ]	Comments [ ]
☐ Unlisted-See-Comments	○ 1	○ 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 [ ]
☐ **Bivalves**	○ 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 [ ]
☐ **Sponges**	○ 1-25%	○ 26-50%	○ 51-75%	○ 76-100%	Size (inches) [ ]	Describe [ ]
☐ **Tunicates**	○ 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 [_____]

☐ Unlisted-See-Comments ○ 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-?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Cowry-?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Cowry-?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Crab-Hermit](#) ○ 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 [_____]

☐ [Crab?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Lobster-Shovelnose](#) ○ 1 ○ 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 [_____]

☐ [Shrimp-?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Shrimp-?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Snail-Florida-Horse-Conch](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Snail-?](#) ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) [____] Comments [_____]

☐ [Snail-?](#) ○ 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 [_____]

☐ Unlisted-See-Comments ○ 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 [_____]

Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification)

☐ Dolphin? ○ 1 ○ 2-10 ○ 11-100 ○ 101+ Length (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 [ ]

☐ Other Observations/Photos:

Observations | Killed and reported 1 tagged lionfish (#14)

Photos? [Yes] Attached? [Yes]

Video? [Yes]
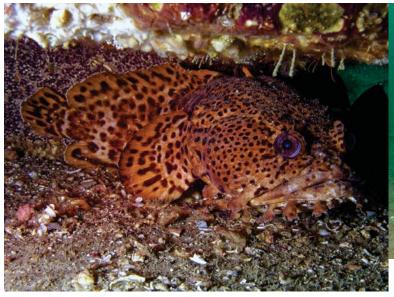
[Print Form]

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