MBARA Diver's Reef Survey Form Rev 20 Jun 2016	Clear Form
Reef Number and Name 162 Ducky Reef	
Latitude (00 00.000)	າ (ft) 103
GPS Manufacturer & Model: SIMRAD NSS9 EVO3	
Survey Date Jun 15, 2019 Dive # 2 Time 1110	
Cloud Cover % 10 Wind Spd & Dir Wave Height (ft)	
Boat Name Bobcat Boat Captain Bob Cox Crew Carol Cox	
Divers Bob Cox and Brian Higdon	
Survey Type Roving Diver Depth Gauge Depth (ft) 107 Diver Bottom Time (min	utes)
Water Temp Surface (Fahrenheit) 82 Water Temp Bottom (Fahrenheit) 70	
Water Visibility Surface (feet) 10 Water Visibility Bottom (feet) 30	
Thermocline Depth (feet) Current Direction Current Speed (knots)	
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 3 FLAR, 1 GR	
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)										
✓ <u>Angelfish-Blue</u>	•	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Angelfish-Queen	0	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Barracuda-Great	0	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
▼ Batfish-Polka-Dot	•	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
✓ Blenny-Seaweed	0	1 0	2-10	11-100	O 101+	Length (inches)	Comments			
Blenny-?	0	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Blenny-?	0	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Butterflyfish-Spotfin	0	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Butterflyfish?	\circ	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
✓ Cardinalfish-Two-Spot	\circ	1 •	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Chromis-Purple-Reeffish	\circ	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Chromis-Yellowtail- Reeffish	\circ	1 0	2-10	11-100	<u> </u>	Length (inches)	Comments			
Damselfish-Cocoa	0	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Damselfish?	0	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
✓ Drum-Cubbyu	0	1 •	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Drum-Jackknifefish	0	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Eel?	0	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Flounder-Gulf	0	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Filefish?	\circ	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			
Frogfish-Ocellated	0	1 0	2-10	<u> </u>	<u> </u>	Length (inches)	Comments			
Goby-Spotted	0	1 0	2-10	<u> </u>	O 101+	Length (inches)	Comments			

 \bigcirc 1

Goby?

O 2-10 O 11-100 O 101+

Length (inches)

Comments

✓ Grouper-Gag	O 1	● 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grouper-Goliath	O 1	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	O 1	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	O 1	Length: <3ft	Comments
Grouper-Goliath	O 1	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	O 1	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	<u> </u>	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	O 1	Length: <3ft	Comments
Grouper-Goliath	<u> </u>	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	<u> </u>	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Goliath	<u> </u>	Length: <3ft ○ 3-5ft ○ >5ft	Comments
Grouper-Graysby	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grouper-Red	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grouper-Rock-Hind	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grouper-Scamp	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Grunt-Juvenile	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
✓ Grunt-Tomtate	O 1	○ 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	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
Hogfish-Spanish	O 1	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments
✓ <u>Jack-Almaco</u>	O 1	○ 2-10 11-100 101+	Length (inches) Comments
	O 1	C 2-10 C 11-100 C 101+	Length (inches) Comments
	ack () 1	C 2-10 C 11-100 C 101+	Length (inches) Comments
Jack-Rainbow-Runne	<u>er</u> () 1	C 2-10 C 11-100 C 101+	Length (inches) Comments
Jack-Round-Scad-Cig	<u>jar-</u> () 1	C 2-10 C 11-100 C 101+	Length (inches) Comments
☐ <u>Jack?</u>	O 1	C 2-10 C 11-100 C 101+	Length (inches) Comments
	<u> </u>	○ 2-10 ○ 11-100 ○ 101+	Length (inches) Comments

П	<u>Lionfish</u>	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
	Mackeral-King	0		0			11-100			Length (inches)	Comments	
	<u>Mackeral-Spanish</u>	\circ	1	\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Minnows-Glass-Small-Fry	\circ	1	\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Pinfish?	\bigcirc	1	\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Porgy-Sheepshead- Porgy	\circ	1	\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Porgy-Sheepshead	\bigcirc	1	\circ	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	Porgy?	\bigcirc	1	•	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	Whitebone porgy
	<u>Puffer-Bandtail</u>	0	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	<u>Puffer-Sharpnose</u>	0	1	\circ	2-10	\circ	11-100	0	101+	Length (inches)	Comments	
	Puffer?	0	1	\circ	2-10	0	11-100	0	101+	Length (inches)	Comments	
	Ray?	0	1	\bigcirc	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	Shark-Bull	0	1	0	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	Shark-Sandbar	0	1	0	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	Shark?	0	1	\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	Sharksucker-Sharksucker	•	1	\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments	
	Sand-Perch	0	1	\bigcirc	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	<u>Seabass-Bank</u>	0	1	0	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	Seabass-Belted-Sandfish	0	1	0	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	<u>Seabass-Black</u>	0	1	\bigcirc	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	<u>Seabass-Pygmy</u>	0	1	0	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	Seabass?	0	1	0	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	<u>Snapper-Gray</u>	0	1	•	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	<u>Snapper-Lane</u>	•	1	\bigcirc	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	<u>Snapper-Red</u>	0	1	\bigcirc	2-10	•	11-100	0	101+	Length (inches)	Comments	
/	Snapper-Vermillion	0	1	•	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
	Snapper?	0	1	\bigcirc	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	Soapfish-Whitespotted	\bigcirc	1	\circ	2-10	•	11-100	0	101+	Length (inches)	Comments	

	Spadefish-Atlantic	0	1	\bigcirc	2-10	0	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Toadfish-Leopard	0	1	\bigcirc	2-10	0	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Triggerfish-Gray	0	1	\bigcirc	2-10	0	11-1	00 () 1	01+ [_ength	(inches)		Comments	
✓	Wrasse-Painted-Wrasse	\circ	1	•	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
✓	Wrasse-Slippery-Dick	\circ	1	•	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Unlisted-See-Comments	\circ	1	\bigcirc	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Unlisted-See-Comments	\circ	1	\bigcirc	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Unlisted-See-Comments	\circ	1	\bigcirc	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Unlisted-See-Comments	\circ	1	\circ	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
	Unlisted-See-Comments	\circ	1	\bigcirc	2-10	\circ	11-1	00 () 1	01+ [_ength	(inches)		Comments	
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	Unlisted-See-Comments	0	1	\bigcirc	2-10	0	11-1	00 () 1	01+ [_ength	(inches)		Comments	
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	Unlisted-See-Comments Unlisted-See-Comments				2-102-10							i (inches) i (inches)		Comments	
□ □ Gr		0	1	0	2-10	0	11-1	00 () 1	01+ [_ength	ا (inches)	ation)		
□ Gr	Unlisted-See-Comments	o ick	1 c on 1	C the	²⁻¹⁰ e hyp	o per	11-1 -lir	oo (oel	on+ i	ength	ا (inches)			
Gr	Unlisted-See-Comments owth on Reef (Cl	o ick	1 C ON 1 1-25%	C the	2-10 • hyp 26-50	o per	11-1 lir) 51	00 (nks k	oel	01+ 1 OW fo 76-100	ength r ide % Siz	inches) entific		Comments	
	Unlisted-See-Comments owth on Reef (Cl	ick	1 (ON 1 1-25% 1-25%	c the	2-10 e hyp 26-50 26-50	o per % (11-1 lir 51	100 (1ks k 1-75%	oel	01+ 1 0w fo 76-100 76-100	ength or ide % Siz % Siz	i (inches) entific		Comments	
	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone	ichooo	1 1-25% 1-25% 1-25%	0 the 0	2-10 hyp 26-50 26-50 26-50	© Der % (11-1 lir 51	nks k 1-75% 1-75%) 1 pel 0	01+ I OW fo 76-100 76-100	ength or ide % Siz % Siz % Siz	entific entific e (inches)		Comments Describe Describe	
Gr	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone Barnacles Bivalves	cickoooo	1 1-25% 1-25% 1-25% 1-25%	cddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddd<l< td=""><td>2-10 2-10 2-10 26-50 26-50 26-50 26-50</td><td>© er er</td><td>11-1 lir 51 51 51</td><td>100 (nks k 1-75% 1-75% 1-75%</td><td>o o</td><td>01+ I ow for 76-100 76-100 76-100</td><td>Length or ide % Siz % Siz % Siz % Siz</td><td>e (inches) te (inches) te (inches) te (inches)</td><td></td><td>Comments Describe Describe Describe</td><td></td></l<>	2-10 2-10 2-10 26-50 26-50 26-50 26-50	© er	11-1 lir 51 51 51	100 (nks k 1-75% 1-75% 1-75%	o o	01+ I ow for 76-100 76-100 76-100	Length or ide % Siz % Siz % Siz % Siz	e (inches) te (inches) te (inches) te (inches)		Comments Describe Describe Describe	
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Gr	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown		1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%	0 the 0 0 0 0 0	2-10 2-10 2-10 2-10 2-10 2-10 2-10 2-10	Oer ************************************	11-1 lir -51 -51 -51 -51 -51 -51 -51	1-75% 1-75% 1-75% 1-75% 1-75% 1-75%) 1 pel	01+ I OW fo 76-100 76-100 76-100 76-100 76-100	Length or ide % Siz	e (inches)		Describe Describe Describe Describe Describe Describe	
Gr	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian		1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%	0 the 0 0 0 0 0 0	2-10 2-10 2-10 2-10 2-10 2-10 2-10 2-10	O Der () () () () () () () () () (11-1 lir lir	1-75% 1-75% 1-75% 1-75% 1-75% 1-75%) 1 pel	01+ I OW fo 76-100 76-100 76-100 76-100 76-100 76-100	Length or ide % Siz	te (inches)		Describe Describe Describe Describe Describe Describe Describe	
Gr	Unlisted-See-Comments Owth on Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian Coral-Occulina		1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%	0 the 0 0 0 0 0 0	2-10 2-10 2-10 2-10 2-10 2-10 2-10 2-10	Oer ************************************	11-1 lir lir 1	1-75% 1-75% 1-75% 1-75% 1-75% 1-75% 1-75%) 1 pel	01+ 1 OW fo 76-100' 76-100' 76-100' 76-100' 76-100' 76-100' 76-100'	Length or ide % Siz	e (inches)		Describe Describe Describe Describe Describe Describe Describe Describe	
Gr	Unlisted-See-Comments OWth on Reef (Cl Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian Coral-Occulina Coral-White-Telesto		1 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		2-10 2-10 2-10 2-10 2-10 2-10 2-10 2-10	Oer (% () () () () () () () () () () () () ()	11-1 :-lir :-lir :51 :51 :51 :51 :51 :51 :51	1-75% 1-75% 1-75% 1-75% 1-75% 1-75% 1-75%) 1 pel O O O O O O O O O	01+ I OW fo 76-100 76-100 76-100 76-100 76-100 76-100 76-100 76-100	Length or ide % Siz % Siz	te (inches)		Describe Describe Describe Describe Describe Describe Describe Describe Describe	

	Unlisted-See-Comments	\bigcirc	1-25%	\bigcirc	26-50 ⁶	% (51-75	% (76-100)% S	Size (inche	s)	Describe	
	Unlisted-See-Comments	\circ	1-25%	\circ	26-50 ⁰	% (51-75	% C	76-100)% S	Size (inche	s)	Describe	
	Unlisted-See-Comments	\circ	1-25%	\circ	26-50	% (51-75	% (76-100)% S	Size (inche	s)	Describe	
Inv	vertebrates at Re	ef	(Clic	k c	n th	e l	nyper	-linl	ks bel	ow	for ide	entificat	ion)	
	Cowry-?	0	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	Cowry-?	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	Cowry-?	\circ	1	\circ	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	<u>Crab-Hermit</u>	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	O 1	01+	Size (inches)		Comments	
	<u>Crab-Yellowline-Arrow</u>	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	Crab?	0	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Crab?	0	1	0	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	<u>Lobster-Shovelnose</u>	0	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	<u>Octopus</u>	0	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	<u>Sea-Cucumber</u>	\bigcirc	1	\circ	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	<u>Sea-Slug</u>	\bigcirc	1	\circ	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	<u>Sea-Star</u>	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	<u>Sea-Urchin</u>	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	Shrimp-?	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	Shrimp-?	\circ	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Snail-Florida-Horse- Conch	0	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Snail-?	0	1	0	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Snail-?	0	1	0	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Unlisted-See-Comments	0	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Unlisted-See-Comments	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Size (inches)		Comments	
	Unlisted-See-Comments	0	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Unlisted-See-Comments	0	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	
	Unlisted-See-Comments	\circ	1	\bigcirc	2-10	0	11-100	0	101+	Size (inches)		Comments	

Turtles and Ai	ir Breathers/	/Mammals (Clic	k on the	hyper-links belo	ow for identification)
Dolphin?	O 1	O 2-10 O 11-100	O 101+	Length (inches)	Comments
Turtle-Loggerhea	<u>ad</u>	○ 2-10 ○ 11-100	O 101+	Size (inches)	Comments
Turtle?	<u> </u>	O 2-10 O 11-100	O 101+	Size (inches)	Comments
Whale?	O 1	O 2-10 O 11-100	O 101+	Size (inches)	Comments
Unlisted-See-Cor	nments 🔿 1	O 2-10 O 11-100	O 101+	Size (inches)	Comments
✓ Other Obse	ervations/Ph	notos:			
Observations Vide	eo URL: https://you	utu.be/QVk-KBVfPSI			
Photos? No At	ttached? No				
Video? Yes		J			Print Form

Image Field Image Field

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