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MBARA Diver's Reef Survey Form Rev 20 Jun 2016	Clear Form
Reef Number and Name 152 MB-152 Unnamed	
Latitude (00 00.000)	า (ft) 90
GPS Manufacturer & Model: Garmin 188C	
Survey Date Aug 2, 2016 Dive # 1 Time 0945	
Cloud Cover % 40 Wind Spd & Dir Wave Height (ft)	1
Boat Name Bobcat Boat Captain Bob Cox Crew Carol Cox	
Divers Bob and Carol Cox	
Survey Type Roving Diver Depth Gauge Depth (ft) 92 Diver Bottom Time (min	utes) 29
Water Temp Surface (Fahrenheit) 87 Water Temp Bottom (Fahrenheit) 73	
Water Visibility Surface (feet) 20 Water Visibility Bottom (feet) 30	
Thermocline Depth (feet) 60 Current Direction Current Speed (knots)	
Other Water Column Characteristics (check all that apply)	
$_{\square}$ Plankton $_{\square}$ Algae $_{oxtimes}$ Jellyfish $_{oxtimes}$ Turbid $_{\square}$ Other	
Bottom Composition (check all that apply)	
oxtimes Sand $oxtimes$ Silt $oxtimes$ Mud $oxtimes$ Gravel $oxtimes$ Shell $oxtimes$ Other	
Reef Materials & Quantity 2 Florida Limestone Artificial Reefs and 1 Grouper Reef/Ecos	systems 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	<u> </u>	2-10	<u> </u>	O 101+	Length (inches)	Comments					
Angelfish-Queen	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Barracuda-Great	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
✓ Batfish-Polka-Dot	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments					
Blenny-Seaweed	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
✓ <u>Blenny-</u> ?	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments Barred					
Blenny-?	<u> </u>	<u> </u>	<u> </u>	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	<u> </u>	11-100	O 101+	Length (inches)	Comments					
	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments					
Chromis-Yellowtail- Reeffish	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments					
✓ Damselfish-Cocoa	O 1	<u> </u>	11-100	O 101+	Length (inches)	Comments					
Damselfish?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Drum-Cubbyu	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Drum-Jackknifefish	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Eel?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Flounder-Gulf	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Filefish?	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
Frogfish-Ocellated	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments					
✓ Goby-Spotted	O 1	2-10	<u> </u>	O 101+	Length (inches)	Comments					

1 2-10 11-100 101+ Length (inches)

Goby?

Comments

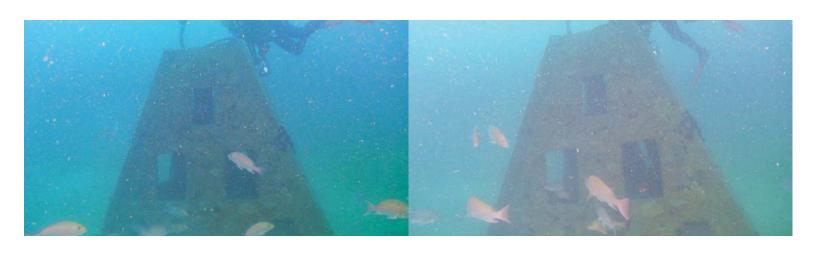
✓	<u>Grouper-Gag</u>	0	1	•	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Goliath	0	1	Le	ength:	<3ft	<u> </u>	-5ft ○ >5ft	\circ	Comments		
	Grouper-Graysby	\bigcirc	1	\bigcirc	2-10	O 1	1-100	<u> </u>	Length (in	nches)	Comments	
	<u>Grouper-Red</u>	\bigcirc	1	\bigcirc	2-10	O 1	1-100	O 101+	Length (in	nches)	Comments	
	Grouper-Rock-Hind	\bigcirc	1	\bigcirc	2-10	O 1	1-100	O 101+	Length (in	nches)	Comments	
	Grouper-Scamp	\bigcirc	1	\bigcirc	2-10	O 1	1-100	O 101+	Length (in	nches)	Comments	
	Grunt-Juvenile	\bigcirc	1	\bigcirc	2-10	O 1	1-100	O 101+	Length (in	nches)	Comments	
✓	<u>Grunt-Tomtate</u>	\bigcirc	1	\bigcirc	2-10	O 1	1-100	101+	Length (in	nches)	Comments	
	<u>Grunt-White</u>	\bigcirc	1	\bigcirc	2-10	O 1	1-100	O 101+	Length (in	nches)	Comments	
	Grunt?	0	1	\circ	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
	<u>Hogfish</u>	\circ	1	\circ	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
	Hogfish-Spanish	0	1	\circ	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
✓	<u>Jack-Almaco</u>	0	1	•	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
	<u>Jack-Blue-Runner</u>	0	1	\circ	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
	<u>Jack-Greater-Amberjack</u>	0	1	\circ	2-10	O 1	1-100	O 101+	Length (i	nches)	Comments	
	<u>Jack-Rainbow-Runner</u>	0	1	\circ	2-10	O 1	1-100	O 101+	Length (ii	nches)	Comments	
✓	<u>Jack-Round-Scad-Cigar-Minnow</u>	0	1	\circ	2-10	O 1	1-100	101+	Length (ii	nches)	Comments	
✓	<u>Jack?</u>	0	1	•	2-10	O 1	1-100	O 101+	Length (ii	nches)	Comments	Yellow
	Jack?	\bigcirc	1	\bigcirc	2-10	O 1	1-100	O 101+	Length (ii	nches)	Comments	

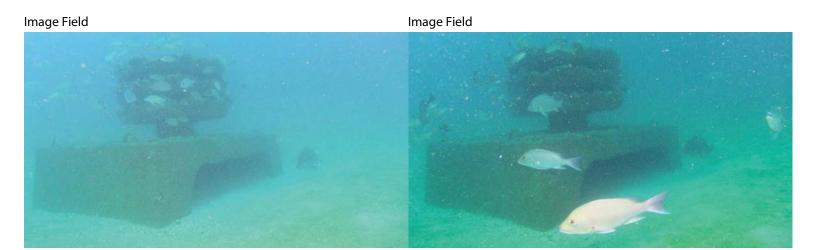
✓	<u>Lionfish</u>	0	1	•	2-10	\circ	11-100	0	101+	Length (inches)	Comments	8 removed
	<u>Mackeral-King</u>	0	1	\bigcirc	2-10	0	11-100	0	101+	Length (inches)	Comments	
	<u>Mackeral-Spanish</u>	\circ	1	\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Minnows-Glass-Small-Fry	\circ	1	\bigcirc	2-10	0	11-100	\bigcirc	101+	Length (inches)	Comments	
	Pinfish?	0	1	0	2-10	0	11-100	\bigcirc	101+	Length (inches)	Comments	
√	Porgy-Sheepshead- Porgy	0	1	\circ	2-10	•	11-100	\circ	101+	Length (inches)	Comments	
	Porgy-Sheepshead	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
	Porgy?	0	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	<u>Puffer-Bandtail</u>	0	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	<u>Puffer-Sharpnose</u>	0	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Puffer?	0	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	Ray?	0	1	\circ	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments	
	Shark-Bull	0	1	\bigcirc	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments	
	<u>Shark-Sandbar</u>	0	1	\circ	2-10	\circ	11-100	0	101+	Length (inches)	Comments	
	Shark?	0	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
	Sharksucker-Sharksucker	0	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
	Sand-Perch	0	1	\circ	2-10	\circ	11-100	0	101+	Length (inches)	Comments	
✓	<u>Seabass-Bank</u>	0	1	\circ	2-10	•	11-100	0	101+	Length (inches)	Comments	
	Seabass-Belted-Sandfish	0	1	\circ	2-10	\circ	11-100	0	101+	Length (inches)	Comments	
	<u>Seabass-Black</u>	0	1	\circ	2-10	\circ	11-100	0	101+	Length (inches)	Comments	
	<u>Seabass-Pygmy</u>	0	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
	Seabass?	0	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
√	Snapper-Gray	0	1	\bigcirc	2-10	•	11-100	\circ	101+	Length (inches)	Comments	
√	<u>Snapper-Lane</u>	•	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments	
/	<u>Snapper-Red</u>	0	1	\bigcirc	2-10	\bigcirc	11-100	•	101+	Length (inches)	Comments	
/	<u>Snapper-Vermillion</u>	0	1	0	2-10	•	11-100	\bigcirc	101+	Length (inches)	Comments	
	Snapper?	0	1	0	2-10	0	11-100	\bigcirc	101+	Length (inches)	Comments	
✓	Soapfish-Whitespotted	0	1	•	2-10	0	11-100	0	101+	Length (inches)	Comments	

	Spadefish-Atlantic	\bigcirc	1	\bigcirc	2-10	0	11-	100 (101+	Leng	gth (inches)		Comments	
	Toadfish-Leopard	\bigcirc	1	\bigcirc	2-10	0	11-	100 (101+	Leng	th (inches)		Comments	
✓	Triggerfish-Gray	0	1	0	2-10	•	11-	100 (101+	Leng	gth (inches)		Comments	
	Wrasse-Painted-Wrasse	0	1	0	2-10	0	11-	100 (101+	Leng	gth (inches)		Comments	
✓	Wrasse-Slippery-Dick	0	1	0	2-10	•	11-	100 (101+	Leng	gth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-	100 (101+	Leng	gth (inches)		Comments	
	Unlisted-See-Comments	0	1	\circ	2-10	\circ	11-	100 (101+	Leng	gth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	\circ	11-	100 (101+	Leng	th (inches)		Comments	
	Unlisted-See-Comments	0	1	\circ	2-10	0	11-	100 (101+	Leng	gth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-	100 (101+	Leng	gth (inches)		Comments	
	Unlisted-See-Comments	0	1	0	2-10	0	11-	100 (101+	Leng	gth (inches)		Comments	
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□ Gr	Unlisted-See-Comments owth on Reef (Cl			_									ation)	Comments	
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✓	owth on Reef (Cl	(ich	1-25% 1-25% 1-25%	the O	26-50 ⁰ 26-50 ⁰ 26-50 ⁰	er % (% (r-lir	nks l 1-75% 1-75% 1-75%	be C	76-100 76-100 76-100	or ic	dentifica Size (inches) Size (inches)		Describe Describe	
✓	owth on Reef (Cl Algae Anemone Barnacles Bivalves	lich•••	1-25% 1-25% 1-25% 1-25%	0 0 0	26-50° 26-50° 26-50° 26-50°	er % (% (% (r-lir	nks l 1-75% 1-75% 1-75% 1-75%	be C C	76-100 76-100 76-100 76-100	or ic 0% \$ 0% \$ 0% \$	dentifica Size (inches) Size (inches) Size (inches)		Describe Describe	
✓	owth on Reef (Cl Algae Anemone Barnacles Bivalves	lich	1-25% 1-25% 1-25% 1-25% 1-25%	0 0 0 0	26-50° 26-50° 26-50° 26-50° 26-50°	mer (% () () () () () () () () () () () () ()	5 5 5 5 5 5	nks l 1-75% 1-75% 1-75% 1-75%	be C C	76-100 76-100 76-100 76-100 76-100	or ic 0% 5 0% 5 0% 5 0% 5	dentifica Size (inches) Size (inches) Size (inches)		Describe Describe Describe	
✓	Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip	lich	1-25% 1-25% 1-25% 1-25% 1-25% 1-25%	0 0 0 0	26-50° 26-50° 26-50° 26-50° 26-50°	oer (% (% (% (% (% (% (% (% (% (% (% (% (%		nks l 1-75% 1-75% 1-75% 1-75% 1-75%		76-100 76-100 76-100 76-100 76-100 76-100	or ic 0% 5 0% 5 0% 5 0% 5 0% 5	dentifica Size (inches) Size (inches) Size (inches) Size (inches)		Describe Describe Describe Describe	
✓	Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown	(icl	1-25% 1-25% 1-25% 1-25% 1-25% 1-25%	0 0 0 0 0	26-50° 26-50° 26-50° 26-50° 26-50° 26-50°	Der (% () () () () () () () () () () () () ()	lin 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	nks l 1-75% 1-75% 1-75% 1-75% 1-75%		76-100 76-100 76-100 76-100 76-100 76-100	Or ic 0% 5 0% 5 0% 5 0% 5 0% 5 0% 5	dentifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Describe Describe Describe Describe Describe Describe	
✓	Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian	lich	1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		26-50° 26-50° 26-50° 26-50° 26-50° 26-50°	Der () () () () () () () () () () () () ()	lin 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	nks l 1-75% 1-75% 1-75% 1-75% 1-75% 1-75%		76-100 76-100 76-100 76-100 76-100 76-100 76-100	or ic 0% 5 0% 5 0% 5 0% 5 0% 5 0% 5	dentifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Describe Describe Describe Describe Describe Describe Describe	
✓	Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian Coral-Occulina		1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50°	Der (% () () () () () () () () () () () () ()	lin 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	nks l 1-75% 1-75% 1-75% 1-75% 1-75% 1-75% 1-75% 1-75%		76-100 76-100 76-100 76-100 76-100 76-100 76-100 76-100	Or ic 0% 5 0% 5 0% 5 0% 5 0% 5 0% 5 0% 5	dentifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Describe Describe Describe Describe Describe Describe Describe Describe	
✓	Algae Anemone Barnacles Bivalves Coral-Colorful-Sea-Whip Coral-Hard-Unkown Coral-Gorgonian Coral-Occulina Coral-White-Telesto		1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25% 1-25%		26-50° 26-50° 26-50° 26-50° 26-50° 26-50° 26-50°	Der () () () () () () () () () (lin 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	nks I 1-75% 1-75% 1-75% 1-75% 1-75% 1-75% 1-75%		76-100 76-100 76-100 76-100 76-100 76-100 76-100 76-100	Or ic 0% 5 0% 5 0% 5 0% 5 0% 5 0% 5 0% 5	dentifica Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches) Size (inches)		Describe Describe Describe Describe Describe Describe Describe Describe Describe	

	Unlisted-See-Comments	\bigcirc	1-25%	0	26-50	% (51-75	% (76-100)% 9	Size (inche	s)	Describe	
	Unlisted-See-Comments	\bigcirc	1-25%	\circ	26-50	% (51-75	% (76-100)% 9	Size (inche	s)	Describe	
	Unlisted-See-Comments	\circ	1-25%	\circ	26-50	% (51-75	% (76-100)% 9	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	\circ	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	Cowry-?	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0 1	101+	Size ((inches)		Comments	
	Cowry-?	\circ	1	\circ	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	<u>Crab-Hermit</u>	\circ	1	\circ	2-10	\bigcirc	11-100	<u> </u>	01+	Size ((inches)		Comments	
✓	<u>Crab-Yellowline-Arrow</u>	\circ	1	•	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	Crab?	\bigcirc	1	\circ	2-10	\bigcirc	11-100	0 1	101+	Size ((inches)		Comments	
	Crab?	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	<u>Lobster-Shovelnose</u>	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	<u>Octopus</u>	0	1	0	2-10	0	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	<u>Sea-Cucumber</u>	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	0 1	101+	Size ((inches)		Comments	
	<u>Sea-Slug</u>	0	1	0	2-10	\bigcirc	11-100	0 1	101+	Size ((inches)		Comments	
	<u>Sea-Star</u>	\bigcirc	1	0	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
✓	<u>Sea-Urchin</u>	\bigcirc	1	\bigcirc	2-10	\bigcirc	11-100	1	101+	Size ((inches)		Comments	
	Shrimp-?	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	Shrimp-?	0	1	\circ	2-10	0	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
	Snail-Florida-Horse- Conch	0	1	0	2-10	0	11-100	0 1	101+	Size ((inches)		Comments	
	Snail-?	0	1	0	2-10	0	11-100	0 1	101+	Size ((inches)		Comments	
	Snail-?	0	1	0	2-10	0	11-100	0 1	101+	Size ((inches)		Comments	
	Unlisted-See-Comments	0	1	\bigcirc	2-10	0	11-100	\bigcirc 1	101+	Size ((inches)		Comments	
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	Unlisted-See-Comments	\bigcirc	1	0	2-10	0	11-100	\bigcirc 1	101+	Size ((inches)		Comments	

Turtles and Air	Breathers,	/Mammals (Clic	k on the	hyper-links belo	w for identification)
Dolphin?	O 1	O 2-10 O 11-100	O 101+	Length (inches)	Comments
Turtle-Loggerhead	O 1	O 2-10 O 11-100	O 101+	Size (inches)	Comments
Turtle?	<u> </u>	O 2-10 O 11-100	O 101+	Size (inches)	Comments
Whale?	<u> </u>	O 2-10 O 11-100	<u> </u>	Size (inches)	Comments
Unlisted-See-Comm	nents 🔘 1	O 2-10 O 11-100	O 101+	Size (inches)	Comments
□ Other Obser	vations/Ph	notos:			
Observations					
Photos? Yes Video?	ched? Yes				Print Form





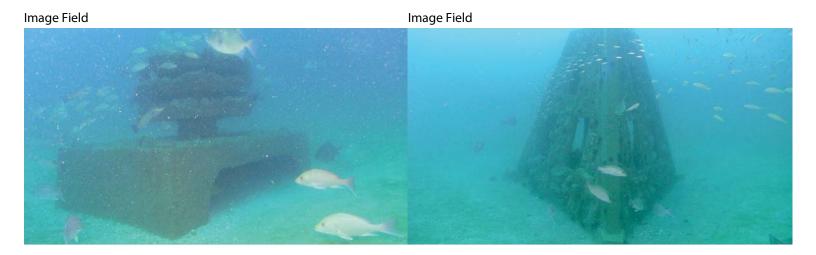


Image Field Image Field

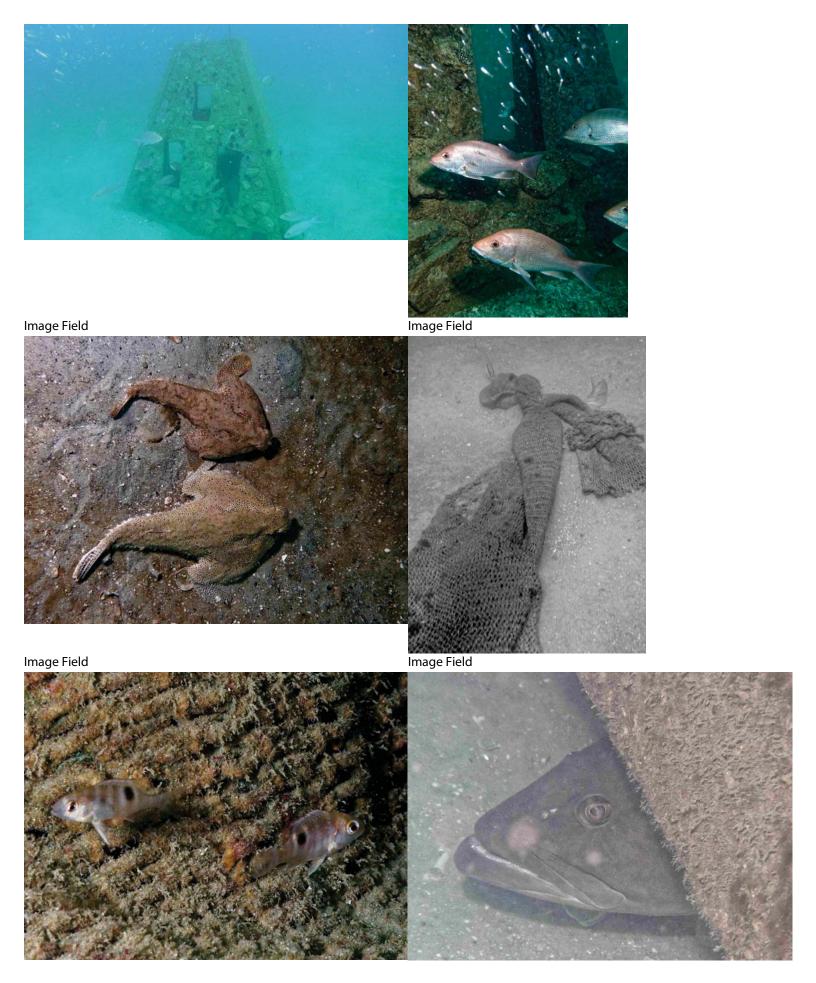


Image Field Image Field

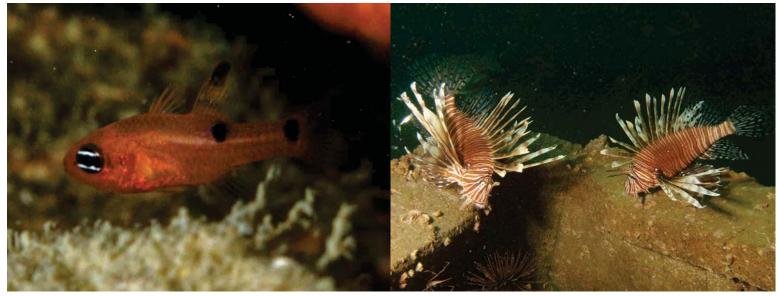


Image Field



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