

**Great Goliath Grouper Count: Survey Data**

Date: \_\_\_\_\_

Site name: \_\_\_\_\_

Dive# \_\_\_\_\_ of day

Lat: \_\_\_\_\_

Long: \_\_\_\_\_

Captain: \_\_\_\_\_

Crew: \_\_\_\_\_

Diver names: \_\_\_\_\_

**Topside conditions:**

Cloud cover (%): \_\_\_\_\_ Wind Spd & Dir: \_\_\_\_\_ Wave height (ft): \_\_\_\_\_

**Site type (check one):**

Shipwreck

Concrete pilings

Boulder field

Other (explain):

\_\_\_\_\_

**Survey Type (check one):**

Transect

Roving Diver

Total Bottom Time: \_\_\_\_\_

Maximum number of Goliath grouper observed (during a single replicate): \_\_\_\_\_

**Additional comments/ Other fish present/ etc.:** \_\_\_\_\_

**Dive Data**

**Site Name:** \_\_\_\_\_

**Time in:** \_\_\_\_\_ **Time out:** \_\_\_\_\_ **# of replicates:** \_\_\_\_\_

**Survey type (check one):**  **Transect**

**Roving Diver**

**Transect length (if applicable):** \_\_\_\_\_ **ft/m**

**Shipwreck (check one):**  **intact**  **broken up**

**or Rubble (check one):**  **scattered**  **solid** **% of survey over hard bottom:** \_\_\_\_\_

**Max depth (ft):** \_\_\_\_\_

**Min depth (i.e, max relief):** \_\_\_\_\_ **ft**

**Visibility (ft):** \_\_\_\_\_

**Replicate 1 start:** \_\_\_\_\_

**Rep 1 end:** \_\_\_\_\_

**# GG:** \_\_\_\_\_

**Replicate 2 start:** \_\_\_\_\_

**Rep 2 end:** \_\_\_\_\_

**# GG:** \_\_\_\_\_

**Replicate 3 start:** \_\_\_\_\_

**Rep 3 end:** \_\_\_\_\_

**# GG:** \_\_\_\_\_

**Ascent time:** \_\_\_\_\_

**GG number Total length (check one) Comments/behavior (check all that apply)**

<u>GG number</u>	<u>Total length (check one)</u>			<u>Comments/behavior (check all that apply)</u>					
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:
_____	<3ft	3-5ft	>5ft	R	B	S	C	O	other:

**R = retreat B = booming S = stationary C = under cover O = out in open**

# MBARA Diver's Reef Survey Form

Updated 25 Oct 2010

Reef Number/Name: MB-69 Smurfit Stone Reef #5

Position: N29 54.150 W85 31.650

GPS manufacturer & model: Garmin 188C

Sonar Depth: 51 ft

Survey Date & Time: 14 Oct 2010 1400

Weather conditions and sea state: Sunny, 2-3 ft seas

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Depth Gauge Depth: 57 ft

Diver Bottom Time: 1:22

Water Temp: Surface: 77F Bottom: 73F

Water Visibility: Surface: 30 ft Bottom: 20 ft

Thermocline Depth:

Current direction and speed: NE .5 kt

Other water column characteristics (plankton, algae, jellyfish, turbidity):

Bottom Composition (sand, silt, mud, gravel, shell, etc):

Reef Materials & Quantity: Two 12x24ft metal cylinders

Reef Highest Point: 10 ft

Physical Condition (Durability, stability, storm damage, other damage or movement): Some scouring

Marine Amphibians:

Species	Quantity	Size	Color
Turtle, Loggerhead			
Turtle, Green			
Turtle, Leatherback			
Turtle, Species?			

## Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Angelfish, Blue		
Barracuda - Guaguanche		
Barracuda-Great		
Batfish, Polka-Dot	1	12"
Blenny, Molly Miller		
Blenny, Seaweed	50	1-2"
Blenny? Barred	3	1-2"
Butterflyfish, Spotfin	4	2-3"
Butterflyfish?		
Cardinalfish, Two-Spot	3	1"
Cobia (Ling)		
Cowfish, Scrawled		
Chromis - Purple Reeffish		
Chromis - Yellowtail Reeffish		
Damselfish - Cocoa	20	1-2"
Damselfish?		
Dolphin?		
Drum , Cubbyu	30	2-8"
Drum, Jackknifefish		
Eel?		
Flounder, Gulf	4	18-24"
Frogfish, Ocellated		
Goby, Spotted		
Goby?		
Grouper, Gag	40	
Grouper, Goliath	1	36"
Grouper, Red		
Grouper, Rock Hind		
Grouper, Scamp		
Grunt, Tomtate	1000+	2-8"
Grunt , White		
Grunt?		

Jack, Almaco (Lesser)		
Jack – Blue Runner		
Jack - Greater Amberjack		
Jack, Lookdown		
Jack, Rainbow Runner		
Jack, Round Scad	1000+	2"
Jack?		
Lizardfish, Blue-Lined		
Mackeral, King		
Mackeral, Spanish	40	18"
Mahi		
Pinfish		
Porgy? Saucereye	20	12"
Porgy - Sheepshead		
Puffer, Bandtail		
Puffer, Sharpnose		
Puffer?		
Ray?		
Sharksucker, whitefin	2	10-14"
Sand Perch		
Seabass, Bank		
Seabass, Belted Sandfish	50	1-2"
Seabass, Pygmy	6	1"
Snapper, Gray (Black)	40	10-16"
Snapper, Lane		
Snapper, Red	100+	10-20"
Snapper, Vermillion	500+	3"
Snapper?		
Soapfish, Whitespotted	20	1-6"
Spadefish, Atlantic	40	12"
Toadfish, Leopard		
Triggerfish, Gray		
Wrasse - Slippery Dick	20	2-4"
Glass Minnows	1000+	1"
Shark?		

Growth on Reef (Include names if known):

Species	Quantity/Area of Coverage (% of area or dimensions)	Size	Color
Algae			
Barnacles	90%		
Feather Duster worms	20%		
Anemone, bulb	<1%		
Anemone, tube	1 ea	12"	Gray
Coral - White Telesto			
Coral - Colorful Sea Whip	10%	1-2ft	Red
Coral - gorgonian	<1%		
Hard Coral			
Bivalves			
Sponges			
Tunicate, sea pork	6 ea	8"	Pink

Invertebrates on Reef (Names if known):

Species	Quantity	Size
Cowry – West Indian Simnia	2	1"
Cowry - Spotted Cyphoma		
Crab, Stone		
Crab, Sargassum Swimming		
Crab, Stareye Hermit		
Crab, Yellowline Arrow		
Crab, mithrax	20+	1"
Lobster, Shovelnose		
Lobster, Spiny		
Sea Cucumber		
Sea Slug, dendrodoris warta	1	1.5"
Sea Star		
Sea Urchin	"100	3
Snail - Atlantic Hairy Triton		
Snail - Murex		
Snail - Netted Olive		
Snail- Florida Horse Conch	1	16"
Snails-?	8	1"

Other Observations/Photos:

