

**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-66 Smurfit Stone Reef #4

Position: N29 53.837 W85 32.010

GPS manufacturer & model: Garmin 188C

Sonar Depth:

Survey Date & Time: 14 Oct 2010 1600

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

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Depth Gauge Depth:

Diver Bottom Time:

Water Temp: Surface: 77F Bottom: 73F

Water Visibility: Surface: 30ft Bottom: 20ft

Thermocline Depth:

Current direction and speed:

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

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

Reef Materials & Quantity:

Reef Highest Point:

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

Marine Amphibians:

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

## Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Angelfish, Blue	4	10-14
Barracuda - Guaguanche		
Barracuda-Great		
Batfish, Polka-Dot		
Blenny, Molly Miller		
Blenny, Seaweed	20	1-2"
Blenny?		
Butterflyfish, Spotfin	4	3"
Butterflyfish?		
Cardinalfish, Two-Spot		
Cobia (Ling)		
Cowfish, Scrawled		
Chromis - Purple Reeffish		
Chromis - Yellowtail Reeffish		
Damselfish - Cocoa	20	1-3"
Damselfish?		
Dolphin?		
Drum , Cubbyu		
Drum, Jackknifefish		
Eel?		
Flounder, Gulf	1	12"
Frogfish, Ocellated		
Goby, Spotted		
Goby?		
Grouper, Gag	20	16-24"
Grouper, Goliath	1	3ft
Grouper, Red		
Grouper, Rock Hind		
Grouper, Scamp	2	10-12"
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+	
Jack?		
Lizardfish, Blue-Lined		
Mackeral, King		
Mackeral, Spanish	60	14"
Mahi		
Pinfish		
Porgy? Saucereye	5	9"
Porgy - Sheepshead	1	15"
Puffer, Bandtail		
Puffer, Sharpnose		
Puffer?		
Ray?		
Sharksucker, whitefin	2	
Sand Perch		
Seabass, Bank		
Seabass, Belted Sandfish	50	1-2"
Seabass, Pygmy	2	1"
Snapper, Gray (Black)		
Snapper, Lane	3	3"
Snapper, Red	10	
Snapper, Vermillion	500	3"
Snapper?		
Soapfish, Whitespotted	15	6"
Spadefish, Atlantic	2	14"
Toadfish, Leopard		
Triggerfish, Gray		
Wrasse - Slippery Dick	20	2-3"
Glass Minnows		
Shark?		
Redband Parrotfish (juv)	2	1"

Growth on Reef (Include names if known):

Species	Quantity/Area of Coverage (% of area or dimensions)	Size	Color
Algae			
Barnacles			
Feather Duster worms			
Anemone			
Coral - White Telesto			
Coral - Colorful Sea Whip	2%	1-2ft	red
Coral - gorgonian	1%	1ft	red
Tunicate, sea pork	<1%		
Tunicate, unk purple/white	<1%		
Hard Coral			
Bivalves			
Wing oysters	<1%		
Sponges			

Invertebrates on Reef (Names if known):

Species	Quantity	Size
Cowry – West Indian Simnia		
Cowry - Spotted Cyphoma		
Crab, Stone		
Crab, Sargassum Swimming		
Crab, Stareye Hermit		
Crab, Yellowline Arrow	50	1-3"
Crab, mithrax	2	1"
Lobster, Shovelnose		
Lobster, Spiny		
Sea Cucumber	2	12"
Sea Slug		
Sea Star, brittle	2	3"
Sea Urchin	100+	3"
Snail - Atlantic Hairy Triton		
Snail - Murex		
Snail - Netted Olive	1	2"
Snail- Florida Horse Conch		

Other Observations/Photos:





















