

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 4 April 2010

Reef Site Name: MB 60 MBARA Barge

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29 53.145 W Lon.: 85 32.792

Sonar Depth: 69'

Survey Date & Time: 24 Jun 2010, 1440

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

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox and Jill

Diver Observations

Computer/Depth Gauge Depth: 72'

Diver Bottom Time on Survey: :30

Water Temp: Surface: 87F Bottom: 74F

Water Visibility: Surface: 15' Bottom: 10'

Thermocline Depth: 50'

Current direction and speed:

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

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

Sand and silt

Description of Reef Materials & Quantity: 200' Barge and 4 Reef Balls

Reef Height (highest point): 10'

Reef Physical Condition (Durability and Stability):

Storm damage or movement? If yes, describe: None

Other damage or movement? If yes, describe: Barge has collapsed and parts are laying flat. Structure failed early due to being sunk using explosives.

Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Angelfish, Blue	8	10-12"
Baitfish - Mackerel Scad (Cigar Minnows)		
Baitfish - Menhaden		
Baitfish - Pinfish		
Baitfish, Blue Runners	500	6-7"
Barracuda - Guaguanche	6	24"
Barracuda-Great		
Batfish, Polka-Dot		
Blenny, Molly Miller		
Blenny, Seaweed		
Blenny, Tessallated		
Butterflyfish, Reef		
Butterflyfish, Spotfin	1	3"
Cardinalfish, Two-Spot		
Cobia (Ling)		
Cowfish, Honeycomb		
Croaker, Atlantic		
Damselfish - Beaugregory		
Damselfish - Cocoa	10	1"
Damselfish - Purple Reeffish		
Damselfish - Yellowtail Reeffish		
Damselfish species unknown?		
Dolphin, Bottlenose		
Drum - Cubbyu	20	2-8"
Eel, species?		
Flounder, Gulf	8	12-20"
Frogfish, Ocellated		
Goby, Blue		
Goby, Bridled		
Goby, species?		
Grouper, Gag	40	8-18"
Grouper, Goliath	1	30"
Grouper, Red		

Grouper, Rock Hind		
Grouper, Scamp	6	10-12"
Grunt - Tomtate	100	
Grunt, species?		
Grunt, White		
Jack - Bluefish		
Jack - Greater Amberjack	30	12-24"
Jack - Bluerunner	100	8"
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Blue-Lined		
Mackerel, King		
Mackerel, Spanish		
Mahi		
Porgy species unknown	6	12"
Porgy - Sheepshead	6	12"
Puffer - Balloonfish		
Puffer, Sharpnose		
Ray, Manta		
Ray, Southern Stingray		
Remora (Sharksucker)		
Sailfish		
Seabass, Bank		
Seabass, Belted sandfish	6	1-2"
Shark, dusky	1	3 ft
Snapper, Bigeye		
Snapper, Gray (Black)	40	8-18"
Snapper, Red	100	10-18"
Snapper, Vermillion (Mingo)		
Soapfish, Whitespotted	10	6"
Spadefish, Atlantic	50	10"
Toadfish, Leopard		
Triggerfish, Gray	20	10"
Wrasse - Slippery Dick	1	2"

Other:

Description of Biological Growth on Reef:

Species	Quantity/Area of Coverage (% of area or dimensions)	Size	Color
Algae			
Barnacles			
Christmas Tree Worm			
Coral - Colorful Sea Whip	70%	12-24"	red
Coral - unidentified gorgonian	1%	6-8"	purple
Coral - White Telesto			
Corkscrew Anemone			
Tube Anemone			
Hard Corals-Assorted	50%	2"	bleach
Mussels			
Oyster, species?			
Sea Scallop			
Sponges	50	4-8"	Wht, Org, Pur

Other:

Description of Invertebrates on Reef:

Species	Quantity	Size
Cowry - Atlantic Deer		
Cowry - Spotted Cyphoma		
Crab, Blue		
Crab, Rock		
Crab, Sargassum Swimming		
Crab, Stareye Hermit		
Crab, Yellowline Arrow	3	1-2"
Crab, longneck	5	1"
Lobster, Shovelnose		
Lobster, Spinny		
Sea Cucumber	10	6-12"
Sea Slug, Species?		
Sea Urchin	1,000	2-3"
Snail - Atlantic Harry Triton		
Snail - Giant Eastern Murex		
Snail - Netted Olive		
Snail - Queen Helmet		
Snail - Spiny Murex		
Snail - True Tulip		
Snail- Florida Horse Conch		
Invertebrate, species?		

Other: Cowry, West Indian Simnia 1 .5"

Marine Amphibians:

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

Other:

Other Observations:





