

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)

_____	<input type="checkbox"/> <3ft	<input type="checkbox"/> 3-5ft	<input type="checkbox"/> >5ft	<input type="checkbox"/> R	<input type="checkbox"/> B	<input type="checkbox"/> S	<input type="checkbox"/> C	<input type="checkbox"/> O	<input type="checkbox"/> other:
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R = retreat B = booming S = stationary C = under cover O = out in open

MBARA Diver's Reef Survey Form

Updated 11 July 2010

Reef Site Name: MB 116 Kaiser Tug

Position Readings:

GPS Manufacturer & model: Garmin 188C

N Lat.: 29 53.896 W Lon.: 85 30.999

Sonar Depth: 50'

Survey Date & Time: 14 Jul 2010/1200

Weather conditions and sea state: Partly Cloudy/3'

Boat Name: Bobcat

Boat Captain: Bob Cox

Dive Leader: Bob Cox

Dive Team Members: Carol Cox

Diver Observations

Computer/Depth Gauge Depth: 52'

Diver Bottom Time on Survey: 1:20

Water Temp: Surface: 85F Bottom: 75F

Water Visibility: Surface: 30' Bottom: 60'

Thermocline Depth: 40'

Current direction and speed: From W at 1kt

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

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

Sand

Description of Reef Materials & Quantity: Old wood and steel tug sunk in 1932

Reef Height (highest point): 12'

Reef Physical Condition (Durability and Stability):

Deteriorated/Corroded

Storm damage or movement? If yes, describe: None

Other damage or movement? If yes, describe: None

Fish Count:

Species:	Quantity	Size
Angelfish, Queen		
Angelfish, Blue	2	10"
Baitfish - Round Scad (Cigar Minnows)	500+	2"
Baitfish – Glass Minnow (Bay Anchovy)		
Baitfish - Menhaden		
Baitfish - Pinfish		
Baitfish, species?		
Barracuda - Guaguanche		
Barracuda-Great		
Batfish, Polka-Dot		
Blenny, Molly Miller		
Blenny, Seaweed	25	1-2"
Blenny, Tessallated		
Bonito		
Butterflyfish, Reef		
Butterflyfish, Spotfin	1	1"
Cardinalfish, Two-Spot	6	1"
Cobia (Ling)		
Cowfish, Scrawled		
Croaker, Atlantic		
Chromis - Purple Reeffish		
Chromis - Yellowtail Reeffish		
Damselfish - Cocoa	10	1-4"
Damselfish sp?		
Dolphin, sp?		
Drum - Cubbyu	100	1-10"
Eel, species?		
Flounder, Gulf		
Frogfish, Ocellated		
Goby, Blue		
Goby, Bridled		
Goby, species?		
Grouper, Gag	100	8-24"
Grouper, Goliath	2	36-40"
Grouper, Red		
Grouper, Rock Hind		

Grouper, Scamp	15	10-14"
Grunt - Tomtate	1,000+	1-2"
Grunt, White		
Grunt, sp?		
Jack – Blue Runner (Hard Tail)	400	6-8"
Jack - Greater Amberjack		
Jack sp?		
Jack, Almaco (Lesser)		
Jack, Lookdown		
Jack, Rainbow Runner		
Lizardfish, Blue-Lined		
Mackeral, King		
Mackeral, Spanish	4	18-24"
Mahi		
Margate, Black		
Porgy - Saucereye	8	10-12"
Porgy - Sheepshead		
Puffer - Balloonfish		
Puffer, Sharpnose	1	2"
Ray, Manta		
Ray, Southern Stingray		
Remora (Sharksucker)	2	8-16"
Sailfish		
Seabass, Bank		
Seabass, Belted Sandfish	5	2-4"
Shark, sp?		
Snapper, Bigeye		
Snapper, Gray (Black)	40	8-18"
Snapper, Red	10	16"
Snapper, Vermillion (Mingo)		
Soapfish, Whitespotted	15	6-8"
Spadefish, Atlantic	10	10"
Toadfish, Leopard		
Triggerfish, Gray	8	10-12"
Wrasse - Slippery Dick	20	1-2"

Other:

Marine Amphibians:

Species	Quantity	Size	Color
Turtle, Loggerhead	1	30"	Brn
Turtle, Green			
Turtle, Leatherback			
Turtle, Species?			

Other:

Other Observations:

The tug is deteriorated from corrosion. A small portion of the bow and stern remain along with its boiler, winch structure, and various remaining structure parts (see photos).













