

Date of Interview \_\_\_\_\_ OMB No. 0648-xxxx Exp. Date: xxxxxxxxxxxx

Location of Interview: \_\_\_\_\_

Recreational For Hire Dive Operations in the Georgia and GRNMS (Part 1)

**GENERAL INFORMATION**

Name \_\_\_\_\_

Telephone \_\_\_\_\_

E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

1. Which of the following includes your age?

18-30 31-40 41-50 51-60 over 60

2a. Are you Hispanic or Latino YES \_\_\_ NO \_\_\_

2b. What is your race? (Mark one or more)

\_\_\_ White \_\_\_ Black or African American \_\_\_ American Indian or Alaska Native

\_\_\_ Asian \_\_\_ Native Hawaiian or Other Pacific Islander

3. How many family members do you support (including yourself)?

Myself only 2 3 4 5 6 7 Greater and 7

4. Are you a member of any of the following groups?

a. NAUI YES \_\_\_ NO \_\_\_

b. PADI YES \_\_\_ NO \_\_\_

c. SSI YES \_\_\_ NO \_\_\_

d. Chamber of Commerce YES \_\_\_ NO \_\_\_

e. An Environmental Group YES \_\_\_ NO \_\_\_

f. Other (specify) \_\_\_\_\_ YES \_\_\_ NO \_\_\_

5. What is your primary port/marina? \_\_\_\_\_

6. Do you have a secondary port/marina, from where you dive part of the year? YES \_\_\_ NO \_\_\_

- If YES, then which one? \_\_\_\_\_

7. How many years have you been a dive/snorkel operator? \_\_\_ (number of years)

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8. How many years have you been a dive/snorkel operator in the ocean & coastal areas off Georgia? \_\_\_\_ (number of years)

9. Have you ever taken dive/snorkelers to the Grays Reef National Marine Sanctuary? (Interviewer—Please show map) YES \_\_\_ NO \_\_\_

- If YES, how many years have you taken dive/snorkelers to the Grays Reef National Marine Sanctuary? \_\_\_\_ (number of years)

10. What approximate percentage of your total business income is derived from the dive/snorkel operation? \_\_\_\_%

11. What approximate percentage of your TOTAL personal income is derived from the dive/snorkel operation? \_\_\_\_ %

12. What approximate percentage of your TOTAL household income is derived from the dive/snorkel operation? \_\_\_\_ %

13. How would you describe your dive/snorkel operation? (Mark one or more)

\_\_\_ Full-time dive/snorkel operation \_\_\_ Part-time dive/snorkel operation

\_\_\_ Seasonal dive/snorkel operation If seasonal, what months \_\_\_\_\_

\_\_\_ Full-time Combination dive/snorkel, fishing, and wildlife observation operation

\_\_\_ Part-time Combination dive/snorkel, fishing, and wildlife observation

\_\_\_ Seasonal Combination dive/snorkel, fishing, and wildlife observation If seasonal, what

Months for dive/snorkel \_\_\_\_\_

Months for fishing \_\_\_\_\_

Months for wildlife observation \_\_\_\_\_

### **ECONOMIC INFORMATION**

14. Number of boats/vessels at the operation: \_\_\_\_ (number of vessels)

15. Capacity of dive/snorkelers per vessel in operation:

Vessel 1: \_\_\_\_ divers/ \_\_\_\_ snorkelers Vessel 2: \_\_\_\_ divers/ \_\_\_\_ snorkelers

Vessel 3: \_\_\_\_ divers/ \_\_\_\_ snorkelers Vessel 4: \_\_\_\_ divers/ \_\_\_\_ snorkelers

16. Capacity of fishers per vessel in operation:

Vessel 1: \_\_\_\_ fishers Vessel 2: \_\_\_\_ fishers

Vessel 3: \_\_\_\_ fishers Vessel 4: \_\_\_\_ fishers

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17. Capacity of wildlife observes per vessel in operation:

Vessel 1: \_\_\_\_\_wildlife observers Vessel 2: \_\_\_\_\_wildlife observers  
Vessel 3: \_\_\_\_\_wildlife observers Vessel 4: \_\_\_\_\_wildlife observers

18. Number of employees at the operation:

a. Full time \_\_\_\_\_ b. Part time \_\_\_\_\_ c. Seasonal \_\_\_\_\_

19. Please provide your best estimate of the replacement value of the following items that you used last year (fill in year \_\_\_\_\_).

a. Vessel(s) and electronic equipment: \$ \_\_\_\_\_  
b. Diving and snorkeling gear: \$ \_\_\_\_\_  
c. Compressors \$ \_\_\_\_\_  
d. Rods/Reels \$ \_\_\_\_\_  
e. Other gear (specify) \_\_\_\_\_ \$ \_\_\_\_\_  
\_\_\_\_\_ \$ \_\_\_\_\_  
\_\_\_\_\_ \$ \_\_\_\_\_

20. Outstanding balance on loan amounts for vessels and equipment \$ \_\_\_\_\_

21. Please provide your best estimate for the following expenses last year:

Permits/Licenses: \$ \_\_\_\_\_  
Docking fees: \$ \_\_\_\_\_  
Interest payments on vessel(s): \$ \_\_\_\_\_  
P&I insurance on vessel(s) \$ \_\_\_\_\_  
Maintenance/repair on vessel/electronic equipment: \$ \_\_\_\_\_  
Maintenance/repair on dive/snorkel gear: \$ \_\_\_\_\_  
Maintenance on rods/reels: \$ \_\_\_\_\_  
Maintenance/repair on compressors: \$ \_\_\_\_\_  
Maintenance/repair on other equipment: \$ \_\_\_\_\_  
Other Dive equipment costs: \$ \_\_\_\_\_  
Advertising: \$ \_\_\_\_\_  
Office rent/mortgage: \$ \_\_\_\_\_  
Office utilities (electric, water, telephone, Internet): \$ \_\_\_\_\_  
Depreciation of vessels and equipment: \$ \_\_\_\_\_  
Business Taxes: \$ \_\_\_\_\_  
Other: \_\_\_\_\_ \$ \_\_\_\_\_  
\_\_\_\_\_ \$ \_\_\_\_\_  
\_\_\_\_\_ \$ \_\_\_\_\_

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22. Please provide your best estimate for the following trip related expenses last year:

Dive equipment costs:	\$ _____
Fuel/oil:	\$ _____
Ice:	\$ _____
Food/Supplies:	\$ _____
Bait:	\$ _____
Captain wages & salaries (if not owner-captain):	\$ _____
Crew wages & salaries Number: _____	\$ _____
Other (specify) _____	\$ _____
_____	\$ _____
_____	\$ _____

23. Please provide your best estimate of your total business revenues last year:  
\$ \_\_\_\_\_

24. Please provide your best estimate of your total revenues and/or percent of total revenues (from Question 23) last year by each geographic area: (See map for definitions of each area)

All Areas	\$ _____	% _____
Georgia and GRNMS	\$ _____	% _____
Georgia outside GRNMS	\$ _____	% _____
Inside GRNMS	\$ _____	% _____

**PERSON DAYS AND TRIP COSTS**

25. Please provide your best estimate of the number person days by type of activity for last year and the percentage of person days by activity and area. (Interviewer – show map of areas). A person day is one person for a whole day or any part of a day. 10 people on-board for an overnight trip would be 20 person days.

<b>Activity</b>	<b>Total Person-days</b>	<b>All Areas (%)</b>	<b>Georgia Outside GRNMS (%)</b>	<b>Inside GRNMS (%)</b>
SCUBA diving				
Snorkelers				
Fishing				
Wildlife Observation				
All Activities				

26. Please provide your best estimate of the cost per day for a typical day of operation by activity.

<b>Activity</b>	<b>Fuel/Oil</b>	<b>Ice</b>	<b>Bait</b>	<b>Food/Supplies</b>	<b>Other</b>	<b>Crew</b>	<b>Captain (if not owner)</b>
SCUBA diving							
Snorkeling							
Fishing							
Wildlife Observation							

27. Please provide the percentage of your person days of operation across each 1-minute by 1-minute grid cell for each activity. This is a forward looking rather than just your past activity patterns. We want to know where you expect you will conduct your activities in the future. This will be used to assess the possible impacts of any future zoning of areas by GRNMS.

Coding sheet attached.

**For Hire Diving Operators in GRNMS Part 2.**

**SOURCES OF INFORMATION AND PERCEPTIONS**

1. Please list the sources of information that you have received in the past on the GRNNMS and score them to your level of trust. Score level of trust 1=No trust at all, 2=very little trust, 3=neither trust nor distrust, 4=trust very much, and 5=completely trust.

SOURCE	Sources Used	Trust Sources
a. FGBNMS website	_____	_____
b. FGBNMS Staff	_____	_____
c. Sanctuary Advisory Council	_____	_____
d. FGBNMS brochures/literature	_____	_____
e. FGBNMS signage	_____	_____
f. Information in newspapers	_____	_____
g. Radio	_____	_____
h. TV	_____	_____
i. Word of mouth	_____	_____
j. Social Media (Twitter, You Tube, etc)	_____	_____
k. Others (please specify, include people like a marina manager, fishing guide, other anglers, local community leader, family member, friend, etc.)	_____	_____
_____	_____	_____
_____	_____	_____

For the next set of questions, please provide your answer on a 1 to 5 scale, where 1 means **Strongly agree**, 2 means **Moderately agree**, 3 means **Neutral**, 4 means **Moderately disagree**, and 5 means **Strongly disagree**

2. The process that NOAA has used to develop rules and regulations for the GRNMS was open and fair to all groups.

1      2      3      4      5      I don't know

3. The process has used by NOAA to develop boundaries and regulations for the GRNMS zones was open and fair to all groups.

1      2      3      4      5      I don't know

4. It has not mattered whether the average person participated in the workshops and meeting on the GRNMS because the average person could not influence the final decisions.

1      2      3      4      5      I don't know

5. NOAA has not addressed the concerns of other federal and state governments in developing rules and regulations for the GRNMS.

1      2      3      4      5      I don't know

6. NOAA has not addressed the concerns of individual citizens in developing rules and regulations for the GRNMS.

1      2      3      4      5      I don't know

7. Once that the GRNMS regulations have been in effect, there has been no way that the average person to voice his/her opinion on the usefulness of the regulations.

1      2      3      4      5      I don't know

8. The procedures that NOAA has established to deal with violations of GRNMS regulations have been fair and just.

1      2      3      4      5      I don't know

**NOTES**

**ATTITUDES ABOUT MANAGEMENT STRATEGIES AND REGULATION**

In this section, we want to know what you think about current and proposed management strategies in the GRNMS, the effects of those management strategies and regulations, and how you think the GRNMS management has performed.

In management plan review public scoping and Sanctuary Advisory Council meetings, GRNMS has recently expanded its regulations to include a prohibition on spear fishing. In addition, in consultation with the Sanctuary Advisory Council and public meetings, GRNMS has evaluated several alternatives for a research only area in which all activities would be prohibited, except research and education.

For the next set of questions, please provide your answer on a 1 to 5 scale, where 1 means **Strongly agree**, 2 means **Moderately agree**, 3 means **Neutral**, 4 means **Moderately disagree**, and 5 means **Strongly disagree**

9. I support the GRNMS as it is currently established.

1      2      3      4      5      I don't know

10. I support the establishment of a research only area in the GRNMS.

1      2      3      4      5      I don't know

11. A research only area in the GRNMS would have a positive impact on the marine environment.

1      2      3      4      5      I don't know

12. There should be more areas set aside as a research only areas in the GRNMS.

1      2      3      4      5      I don't know

13. I support the prohibition of spear fishing in the GRNMS.

1      2      3      4      5      I don't know

14. There has been a net economic benefit to the coastal Georgia economy from the establishment of the GRNMS.

1      2      3      4      5      I don't know

15. Charter/Party boat fishing operations have benefited from the establishment of the GRNMS.

1      2      3      4      5      I don't know

16. GRNMS regulations have had no effect on my business.

1      2      3      4      5      I don't know

17. I support the no anchoring regulations in the GRNMS.

1      2      3      4      5      I don't know

18. I support the current no discharge regulations in the GRNMS.

1      2      3      4      5      I don't know

19. I support the current no harvest of bottom formations or taking of invertebrates inside the GRNMS.

1      2      3      4      5      I don't know

20. I support the rod-and-reel or hand line only fishing regulation in the GRNMS.

1      2      3      4      5      I don't know

21. I support the no taking of marine mammals and turtles in the GRNMS.

1      2      3      4      5      I don't know

22. I support the requirement of using a mooring buoy instead of anchoring in the GRNMS with the limit of vessel size for mooring use of 100 feet or less.

1      2      3      4      5      I don't know

23. I support stricter regulations on discharging of pollutants in the GRNMS.

1      2      3      4      5      I don't know

**OMB No. 0648-xxxx. Expiration date: xxxxxxxx.**

24. Please rate the status/condition of the following resources at GRNMS by their status/condition since the implementation of the GRNMS (1981), where 1 is much better and 5 is much worse.

RESOURCE	Better ←-----→ Worse					
a. Water quality	1	2	3	4	5	N/A
b. Sea-based pollution/marine debris	1	2	3	4	5	N/A
c. Live bottom habitat	1	2	3	4	5	N/A
d. Other bottom habitat	1	2	3	4	5	N/A
e. Fish populations (bottom fish)	1	2	3	4	5	N/A
f. Fish populations (other fish)	1	2	3	4	5	N/A
g. Other sea life (abundance)	1	2	3	4	5	N/A
h. Other sea life (diversity)	1	2	3	4	5	N/A
i. Mooring buoys	1	2	3	4	5	N/A
j. Invasive species (lionfish)	1	2	3	4	5	N/A

25. The GRNMS is mostly responsible for the status/condition of the resources that you rated in the previous question.

1      2      3      4      5      I don't know

26. In which area(s) has the GRNMS been most successful?

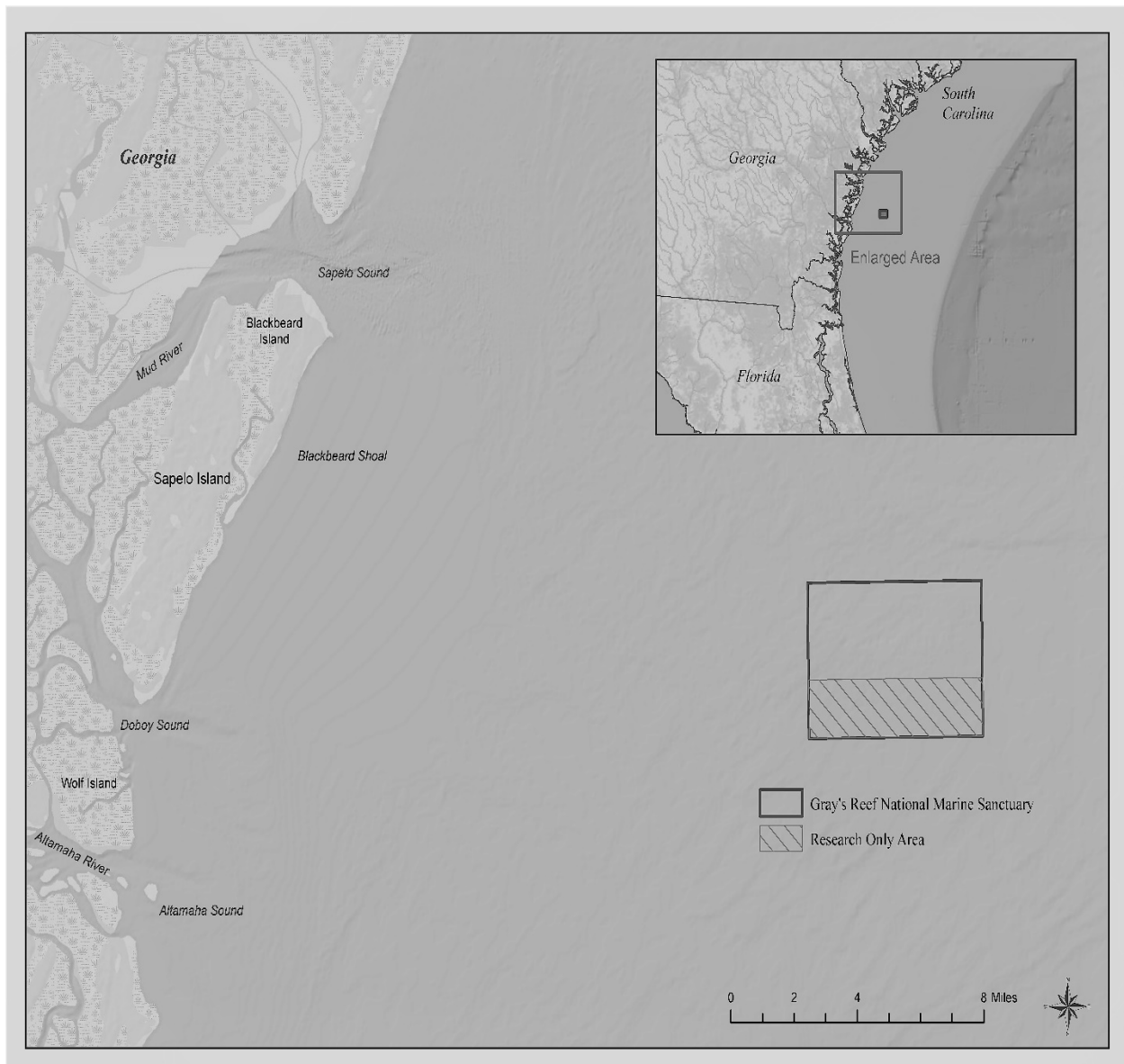
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27. In which area(s) has the GRNMS been least successful?

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*Definition. Ocean areas include the Atlantic Ocean and coastal areas include inland bays, estuaries and tidally influenced portions of rivers where fresh and saltwater mix.*



- Gray's Reef National Marine Sanctuary (GRNMS) is located 19 miles offshore of Sapelo Island, Georgia.
- GRNMS is 22-square miles and contains rocky ledges and sand flats.
- GRNMS is a popular recreational fishing site with some diving.
- No commercial fishing currently takes place in GRNMS, but it is not prohibited.