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Department of Hospitality Administration
College of Business
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Fall, 2000

Dear Florida Boat Owner,

Please find enclosed a boater's survey to be completed. You have been randomly selected from a list of Florida boat owners to participate in this study. Please place the completed survey in the enclosed postage-paid business reply envelope and return it at your earliest convenience.

This study is very important to evaluate the socio-economic impact of artificial and natural reefs in your county. Your completing and returning this survey is vital to this study. Please be reminded that your responses are strictly confidential and will be combined with over 25,000 other responses. Upon completion of the survey, all mailing lists will be destroyed.

This project is called the Socioeconomic Study of Reefs in Southeast Florida being sponsored by the counties of Palm Beach, Broward, Miami-Dade and Monroe; the Florida Fish and Wildlife Conservation Commission; and the National Oceanic and Atmospheric Administration. This study will determine, in a comprehensive manner, the net economic value of the natural and artificial reef resources of southeast Florida to the users of these reefs and the local economies. This study is expected to demonstrate the importance of additional funding at the federal, State and local levels to protect our resources while promoting reef use.

Your help is vital to this study and should you have any questions or concerns, please feel free to contact me.

Thank you very much for your participation.

Dr. Mark A. Bonn Ph.D.
Professor
Florida State University
850-644-8244

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 1**

OMB Approval #0648-0410 Expires: 7/31/03
SURVEY ID# : _____

SECTION 1: Screening

1. Over the past 12 months, how many days have you used your boat for saltwater activities in your county of residence? _____ (days)

 2. While saltwater boating in your county of residence over the past 12 months, did you use the artificial or natural reefs for any recreational activities such as fishing, diving or snorkeling?

YES _____ (If yes, please continue with the survey.)
NO _____ (If no, please return this uncompleted survey. It is very important that you return this survey.)
-

SECTION 2: Activity Profile and Use of Reefs

3. Of the days spent saltwater **boating** in your county of residence over the past 12 months, how many of these days were spent:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

4. Of the days spent **saltwater fishing** in your county of residence over the past 12 months, how many of these days were spent fishing on:

Artificial reefs? _____ Natural reefs? _____

5. If you spent a portion of your saltwater fishing days on both artificial and natural reefs, what **percent** of your time do you usually spend on:

Artificial reefs? _____ Natural reefs? _____

6. Of the days you spent **snorkeling** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

7. Of the days you spent **scuba diving** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

Please Continue

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 1**

SECTION 3: Expenditures

8. How many other people living in your county of residence went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

9. How many other people who are **not** residents of your county went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

10. On your most recent saltwater fishing day, snorkeling day, and scuba diving day in your county of residence, would you please indicate your best estimate of how much money you and your party spent in your county of residence?

Expenditures in your county of residence on most recent day

Expense Item	Fishing	Snorkeling	Scuba Diving
Boat Oil and Gas	\$	\$	\$
Bait	\$	\$	\$
Tackle	\$	\$	\$
Ice	\$	\$	\$
Food & Beverages from stores	\$	\$	\$
Food & Beverages from Restaurants/Bars	\$	\$	\$
Gas for Auto	\$	\$	\$
Boat ramp fees & parking fees	\$	\$	\$
Marina slip rental & dockage fees	\$	\$	\$
Equipment rentals	\$	\$	\$
Sundries (sun screen, sickness pills, etc.)	\$	\$	\$
Any other items not mentioned above	\$	\$	\$
Number of people who spent or benefited from these expenditures			

SECTION 4: Value of Reefs

11. Southeast Florida includes Palm Beach, Broward, Miami-Dade and Monroe Counties. The Florida Keys are in Monroe County. Over the past 12 months, how many boating trips have you made in southeast Florida to use the:

Natural reefs? _____ (# of trips). Artificial reefs? _____ (# of trips).

12. Suppose there was a plan to maintain the health and condition of *natural reefs* in southeast Florida. First, consider your total costs for your last boating trip in southeast Florida including travel expenses, lodging, and all boating expenses. If your total costs for this trip would have been \$_____ higher, would you have been willing to pay this amount to maintain the *natural reefs* in their existing condition?

___ YES ___ NO

Please Continue

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 1**

If you answered NO to the above question or you don't know or you refuse to answer the question, please circle the **one** letter that best explains your reason for saying no or don't know; or refusing to answer?

- A. A contribution of that amount is more than natural reefs are worth to me.
- B. I really don't know how much natural reefs are worth to me.
- C. There are no problems with water quality or the natural reefs.
- D. There is not enough information to form a decision.
- E. I don't understand or like the question.
- F. I already pay too much to government.
- G. Government waste should be reduced to pay for water quality protection and management of the natural reefs.
- H. Other (please explain): _____

13. Now suppose there was a plan to maintain the health and condition of *artificial reefs* in southeast Florida and that this was the only plan you were asked to consider. Think about your total costs for your last boating trip in southeast Florida again including travel expenses, lodging, and all boating expenses. If your total costs for this trip would have been \$ _____ higher, would you have been willing to pay this amount to maintain the *artificial reefs* in their existing condition?

___ YES ___ NO

If you answered NO to the above question or you don't know or you refuse to answer the question, please circle the **one** letter that best explains your reason for saying no or don't know; or refusing to answer?

- A. A contribution of that amount is more than artificial reefs are worth to me.
- B. I don't really know how much artificial reefs are worth to me.
- C. There are no problems with water quality or the artificial reefs.
- D. There is not enough information to form a decision.
- E. I don't understand or like the question.
- F. I already pay too much to government.
- G. Government waste should be reduced to pay for water quality protection and management of the artificial reefs.
- H. Other (please explain): _____

14. Finally, suppose that both of these plans to maintain the existing condition of *natural and artificial reefs* in southeast Florida were put together into a combined program. Consider once again your total costs for your last boating trip in southeast Florida including travel expenses, lodging, and all boating expenses. If your total costs for this trip would have been \$ _____ higher, would you have been willing to pay this amount to maintain the *natural and artificial reefs* in their existing condition?

___ YES ___ NO

If you answered NO to the above question or you don't know or you refuse to answer the question, please circle the **one** letter that best explains your reason for saying no or don't know; or refusing to answer?

- A. A contribution of that amount is more than reefs are worth to me.
- B. I don't really know how much reefs are worth to me.
- C. There are no problems with water quality or the reefs.
- D. There is not enough information to form a decision.
- E. I don't understand or like the question.
- F. I already pay too much to government.
- G. Government waste should be reduced to pay for water quality protection and management of the reefs.
- H. Other (please explain): _____

Please Continue

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 1**

SECTION 5: No Take Area Opinions

In July 1997, the Florida Keys National Marine Sanctuary created 23 areas or zones in which the taking of anything is prohibited. The total area of this no take zone is 13.37 square miles. A no take zone is a designated area of the reef system in which nothing is to be taken from this area including fish and shellfish.

15. Do you support the currently designated "NO TAKE" zones in the Florida Keys?

YES NO Don't Know Refused

16. Would you support the creation of "NO TAKE" zones on some of the reefs in your county of residence?

YES NO Don't Know Refused

17. What percentage of the coral or natural reefs in your county do you think would be a reasonable proportion to protect by giving them NO TAKE designation? _____(%)

SECTION 6: Demographics

18. How long have you been boating in south Florida? _____ (# years)

19. What is the length of your boat that you use for your saltwater activities? _____ (feet)

20. Are you a member of fishing or diving club? YES NO

21. In what year were you born? 19 _____

22. What is your zip code? _____ (five digits)

23. How long have you lived in this county? _____ (# years)

24. Are you: Male? Female?

25. Are you Hispanic, Latino, or have Spanish origin? YES NO

26. Please circle the letter that best describes you?

- | | |
|-------------------------------------|--|
| a. White | e. Native Hawaiian or Other Pacific Islander |
| b. Black or African American | f. Other (please notify)_____ |
| c. American Indian or Alaska Native | |
| d. Asian | |

27. Please circle the letter of your highest education level?

- | | |
|-------------------------|--------------------------------------|
| a. Completed grades 1-9 | d. Some college or vocational school |
| b. Some high school | e. College graduate |
| c. High School graduate | f. Graduate or professional degree |

28. Please circle the letter that corresponds to your estimated household income before taxes?

- | | | |
|--------------------------|--------------------------|----------------------------|
| (a) less than \$5,000 | (f) \$30,000 to 34,999 | (k) \$75,000 to \$99,999 |
| (b) \$5,000 to \$9,999 | (g) \$35,000 to \$39,999 | (l) \$100,000 to \$149,000 |
| (c) \$10,000 to \$14,999 | (h) \$40,000 to \$49,999 | (m) \$150,000 or more |
| (d) \$15,000 to \$24,999 | (i) \$50,000 to \$59,000 | |
| (e) \$25,000 to \$29,999 | (j) \$60,000 to \$74,999 | |

Thank You!

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2**

OMB Approval #0648-0410 Expires: 7/31/03
SURVEY ID# : _____

SECTION 1: Screening

1. Over the past 12 months, how many days have you used your boat for saltwater activities in your county of residence? _____ (days)

 2. While saltwater boating in your county of residence over the past 12 months, did you use the artificial or natural reefs for any recreational activities such as fishing, diving or snorkeling?

YES _____ (If yes, please continue with the survey.)
NO _____ (If no, please return this uncompleted survey. It is very important that you return this survey.)
-

SECTION 2: Activity Profile and Use of Reefs

3. Of the days spent saltwater **boating** in your county of residence over the past 12 months, how many of these days were spent:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

 4. Of the days spent **saltwater fishing** in your county of residence over the past 12 months, how many of these days were spent fishing on:

Artificial reefs? _____ Natural reefs? _____

 5. If you spent a portion of your saltwater fishing days on both artificial and natural reefs, what **percent** of your time do you usually spend on:

Artificial reefs? _____ Natural reefs? _____

 6. Of the days you spent **snorkeling** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

 7. Of the days you spent **scuba diving** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____
-

Please Continue

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2**

SECTION 3: Expenditures

8. How many other people living in your county of residence went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

9. How many other people who are **not** residents of your county went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

10. On your most recent saltwater fishing day, snorkeling day, and scuba diving day in your county of residence, would you please indicate your best estimate of how much money you and your party spent in your county of residence?

Expenditures in your county of residence on most recent day

Expense Item	Fishing	Snorkeling	Scuba Diving
Boat Oil and Gas	\$	\$	\$
Bait	\$	\$	\$
Tackle	\$	\$	\$
Ice	\$	\$	\$
Food & Beverages from stores	\$	\$	\$
Food & Beverages from Restaurants/Bars	\$	\$	\$
Gas for Auto	\$	\$	\$
Boat ramp fees & parking fees	\$	\$	\$
Marina slip rental & dockage fees	\$	\$	\$
Equipment rentals	\$	\$	\$
Sundries (sun screen, sickness pills, etc.)	\$	\$	\$
Any other items not mentioned above	\$	\$	\$
Number of people who spent or benefited from these expenditures			

Please Continue

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2**

SECTION 4: Value of Reefs

11. Southeast Florida includes Palm Beach, Broward, Miami-Dade and Monroe Counties. The Florida Keys are in Monroe County. Over the past 12 months, how many boating trips have you made in southeast Florida to use the:

Natural reefs? _____ (# of trips). Artificial reefs? _____ (# of trips).

Local and state government agencies are being asked to evaluate how users of artificial reefs value new artificial reefs. Artificial reef programs cost money. Suppose that the government proposed that all users of the artificial reefs would pay for all newly constructed reefs. Fishermen and divers with their own boats would pay for a decal as part of their boat registration and/or, if they used a charter/party boat or a rental boat (pay operation), they would pay for the costs through higher fees charged by the pay operation. The money would go into a trust fund that could only be used for the construction and maintenance of artificial reefs in southeast Florida.

12. Would you be willing to pay \$ _____ per year when you renew your boat registration and/or the amount in higher fees to a charter/party boat or rental boat operation to fund this program?

____ YES ____ NO

If you answered NO to the above question or you don't know or you refuse to answer the question, please circle the **one** letter that best explains your reason for saying no or don't know; or refusing to answer?

- A. A contribution of that amount is more than new artificial reefs are worth to me.
- B. I really don't know how much new artificial reefs are worth to me.
- C. There are enough artificial reefs already.
- D. There is not enough information to form a decision.
- E. I don't understand or like the question.
- F. The government should fund the artificial reef program out of general revenue and not a specific tax or fee.
- G. I already pay too much to the government.
- H. Government waste should be reduced to fund the artificial reef program.
- I. Other (please explain): _____

SECTION 5: No Take Area Opinions

In July 1997, the Florida Keys National Marine Sanctuary created 23 areas or zones in which the taking of anything is prohibited. The total area of this no take zone is 13.37 square miles. A no take zone is a designated area of the reef system in which nothing is to be taken from this area including fish and shellfish.

13. Do you support the currently designated "NO TAKE" zones in the Florida Keys?

____ YES ____ NO ____ Don't Know ____ Refused

14. Would you support the creation of "NO TAKE" zones on some of the reefs in your county of residence?

____ YES ____ NO ____ Don't Know ____ Refused

15. What percentage of the coral or natural reefs in your county do you think would be a reasonable proportion to protect by giving them NO TAKE designation? _____(%)

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2**

SECTION 6: Demographics

16. How long have you been boating in south Florida? _____ (# years)
17. What is the length of your boat that you use for your saltwater activities? _____ (feet)
18. Are you a member of fishing or diving club? ____ YES ____ NO
19. In what year were you born? 19 ____
20. What is your zip code? _____ (five digits)
21. How long have you lived in this county? _____ (# years)
22. Are you: Male? ____ Female? ____
23. Are you Hispanic, Latino, or have Spanish origin? ____ YES ____ NO
24. Please circle the letter that best describes you?
- | | |
|-------------------------------------|--|
| a. White | e. Native Hawaiian or Other Pacific Islander |
| b. Black or African American | f. Other (please notify)_____ |
| c. American Indian or Alaska Native | |
| d. Asian | |
25. Please circle the letter of your highest education level?
- | | |
|-------------------------|--------------------------------------|
| a. Completed grades 1-9 | d. Some college or vocational school |
| b. Some high school | e. College graduate |
| c. High School graduate | f. Graduate or professional degree |
26. Please circle the letter that corresponds to your estimated household income before taxes?
- | | | |
|--------------------------|--------------------------|----------------------------|
| (a) less than \$5,000 | (f) \$30,000 to 34,999 | (k) \$75,000 to \$99,999 |
| (b) \$5,000 to \$9,999 | (g) \$35,000 to \$39,999 | (l) \$100,000 to \$149,000 |
| (c) \$10,000 to \$14,999 | (h) \$40,000 to \$49,999 | (m) \$150,000 or more |
| (d) \$15,000 to \$24,999 | (i) \$50,000 to \$59,000 | |
| (e) \$25,000 to \$29,999 | (j) \$60,000 to \$74,999 | |

Thank You!

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

OMB Approval #0648-0410 Expires: 7/31/03
SURVEY ID# : _____

SECTION 1: Screening

1. Over the past 12 months, how many days have you used your boat for saltwater activities in your county of residence? _____ (days)

 2. While saltwater boating in your county of residence over the past 12 months, did you use the artificial or natural reefs for any recreational activities such as fishing, diving or snorkeling?

YES _____ (If yes, please continue with the survey.)
NO _____ (If no, please return this uncompleted survey. It is very important that you return this survey.)
-

SECTION 2: Activity Profile and Use of Reefs

3. Of the days spent saltwater **boating** in your county of residence over the past 12 months, how many of these days were spent:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

 4. Of the days spent **saltwater fishing** in your county of residence over the past 12 months, how many of these days were spent fishing on:

Artificial reefs? _____ Natural reefs? _____

 5. If you spent a portion of your saltwater fishing days on both artificial and natural reefs, what **percent** of your time do you usually spend on:

Artificial reefs? _____ Natural reefs? _____

 6. Of the days you spent **snorkeling** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

 7. How many of these dives were done in the Sanctuary Preservation Areas or Ecological Reserves in the Florida Keys National Marine Sanctuary? These areas are marked with yellow buoys.

_____ (number of dives)

 8. Of the days you spent **scuba diving** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

 9. How many of these dives were done in the Sanctuary Preservation Areas or Ecological Reserves in the Florida Keys National Marine Sanctuary? These areas are marked with yellow buoys.

_____ (number of dives)
-

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

SECTION 3: Expenditures

10. How many other people living in your county of residence went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

11. How many other people who are **not** residents of your county went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

12. On your most recent saltwater fishing day, snorkeling day, and scuba diving day in your county of residence, would you please indicate your best estimate of how much money you and your party spent in your county of residence?

Expenditures in your county of residence on most recent day

Expense Item	Fishing	Snorkeling	Scuba Diving
Boat Oil and Gas	\$	\$	\$
Bait	\$	\$	\$
Tackle	\$	\$	\$
Ice	\$	\$	\$
Food & Beverages from stores	\$	\$	\$
Food & Beverages from Restaurants/Bars	\$	\$	\$
Gas for Auto	\$	\$	\$
Boat ramp fees & parking fees	\$	\$	\$
Marina slip rental & dockage fees	\$	\$	\$
Equipment rentals	\$	\$	\$
Sundries (sun screen, sickness pills, etc.)	\$	\$	\$
Any other items not mentioned above	\$	\$	\$
Number of people who spent or benefited from these expenditures			

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

SECTION 4: Value of Reefs

13. Southeast Florida includes Palm Beach, Broward, Miami-Dade and Monroe Counties. The Florida Keys are in Monroe County. Over the past 12 months, how many boating trips have you made in southeast Florida to use the:

Natural reefs? _____ (# of trips). Artificial reefs? _____ (# of trips).

Local and state government agencies are being asked to evaluate how users of artificial reefs value new artificial reefs. Artificial reef programs cost money. Suppose that the government proposed that all users of the artificial reefs would pay for all newly constructed reefs. Fishermen and divers with their own boats would pay for a decal as part of their boat registration and/or, if they used a charter/party boat or a rental boat (pay operation), they would pay for the costs through higher fees charged by the pay operation. The money would go into a trust fund that could only be used for the construction and maintenance of artificial reefs in southeast Florida.

14. Would you be willing to pay \$ _____ per year when you renew your boat registration and/or the amount in higher fees to a charter/party boat or rental boat operation to fund this program?

___ YES ___ NO

If you answered NO to the above question or you don't know or you refuse to answer the question, please circle the **one** letter that best explains your reason for saying no or don't know; or refusing to answer?

- A. A contribution of that amount is more than new artificial reefs are worth to me.
- B. I really don't know how much new artificial reefs are worth to me.
- C. There are enough artificial reefs already.
- D. There is not enough information to form a decision.
- E. I don't understand or like the question.
- F. The government should fund the artificial reef program out of general revenue and not a specific tax or fee.
- G. I already pay too much to the government.
- H. Government waste should be reduced to fund the artificial reef program.
- I. Other (please explain): _____

SECTION 5: No Take Area Opinions

In July 1997, the Florida Keys National Marine Sanctuary created 23 areas or zones in which the taking of anything is prohibited. The total area of this no take zone is 13.37 square miles. A no take zone is a designated area of the reef system in which nothing is to be taken from this area including fish and shellfish.

15. Do you support the currently designated "NO TAKE" zones in the Florida Keys?

___ YES ___ NO ___ Don't Know ___ Refused

16. Would you support the creation of additional "NO TAKE" zones on some of the reefs in your county of residence?

___ YES ___ NO ___ Don't Know ___ Refused

17. Would you support the creation of additional "NO TAKE" zones on some of the reefs in Palm Beach, Broward, and Dade counties?

___ YES ___ NO ___ Don't Know ___ Refused

18. What percentage of the coral or natural reefs in your county do you think would be a reasonable proportion to protect by giving them NO TAKE designation? _____(%)

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

SECTION 6: Demographics

19. How long have you been boating in south Florida? _____ (# years)
20. What is the length of your boat that you use for your saltwater activities? _____ (feet)
21. Are you a member of fishing or diving club? ____ YES ____ NO
22. In what year were you born? 19 ____
23. What is your zip code? _____ (five digits)
24. How long have you lived in this county? _____ (# years)
25. Are you: Male? ____ Female? ____
26. Are you Hispanic, Latino, or have Spanish origin? ____ YES ____ NO
27. Please circle the letter that best describes you?
- | | |
|-------------------------------------|--|
| a. White | e. Native Hawaiian or Other Pacific Islander |
| b. Black or African American | f. Other (please notify)_____ |
| c. American Indian or Alaska Native | |
| d. Asian | |
28. Please circle the letter of your highest education level?
- | | |
|-------------------------|--------------------------------------|
| a. Completed grades 1-9 | d. Some college or vocational school |
| b. Some high school | e. College graduate |
| c. High School graduate | f. Graduate or professional degree |
29. Please circle the letter that corresponds to your estimated household income before taxes?
- | | | |
|--------------------------|--------------------------|----------------------------|
| (a) less than \$5,000 | (f) \$30,000 to 34,999 | (k) \$75,000 to \$99,999 |
| (b) \$5,000 to \$9,999 | (g) \$35,000 to \$39,999 | (l) \$100,000 to \$149,000 |
| (c) \$10,000 to \$14,999 | (h) \$40,000 to \$49,999 | (m) \$150,000 or more |
| (d) \$15,000 to \$24,999 | (i) \$50,000 to \$59,000 | |
| (e) \$25,000 to \$29,999 | (j) \$60,000 to \$74,999 | |
-

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

OMB Approval #0648-0409 Expires: 7/31/03
SURVEY ID# : _____

SECTION 7: Importance

30. Please read each statement and rate the importance of each item as it contributes to an ideal recreation setting for the activities you did in the Florida Keys/Florida Bay Area. If an item does not apply, indicate by circling **n/a (not applicable)**. Likewise, if you don't know, circle **dk (don't know)**.

1=Not Important, 2=Somewhat Important, 3=Important, 4=Very Important, 5=Extremely Important (circle response)

a. Clear water (high visibility)	n/a	dk	1	2	3	4	5
b. Amount of living coral on the reefs	n/a	dk	1	2	3	4	5
c. Public transportation	n/a	dk	1	2	3	4	5
d. Parking	n/a	dk	1	2	3	4	5
e. Many different kinds of fish and sea life to view	n/a	dk	1	2	3	4	5
f. Many different kinds of fish and sea life to catch	n/a	dk	1	2	3	4	5
g. Large numbers of fish	n/a	dk	1	2	3	4	5
h. Opportunity to view large wildlife: (manatees, whales, dolphins, sea turtles)	n/a	dk	1	2	3	4	5
i. Uncrowded conditions	n/a	dk	1	2	3	4	5
j. Maps, brochures, and other tourist info	n/a	dk	1	2	3	4	5
k. Boat ramps/launching facilities	n/a	dk	1	2	3	4	5
l. Marina facilities	n/a	dk	1	2	3	4	5
m. Directional signs, street signs, mile markers	n/a	dk	1	2	3	4	5
n. Condition of roads and streets	n/a	dk	1	2	3	4	5
o. Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5
p. Condition of bike paths, sidewalks, walking paths	n/a	dk	1	2	3	4	5
q. Shoreline access	n/a	dk	1	2	3	4	5
r. Designated swimming/beach areas	n/a	dk	1	2	3	4	5
s. Quality of beaches	n/a	dk	1	2	3	4	5
t. Service and friendliness of people	n/a	dk	1	2	3	4	5
u. Historic preservation (landmarks, houses, etc)	n/a	dk	1	2	3	4	5
v. Availability of public restrooms	n/a	dk	1	2	3	4	5
w. Value for the price	n/a	dk	1	2	3	4	5
x. Parks and specially protected areas	n/a	dk	1	2	3	4	5
y. Mooring buoys near coral reefs	n/a	dk	1	2	3	4	5

Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey

SECTION 8: Satisfaction

30. In the above section, you indicated the importance of a list of items to your recreation experiences. Now please read each of the items on this list and rate how satisfied you were with each at the places you did your activities in the Florida Keys/Florida Bay Area. If the item does not apply, indicate by circling **n/a (not applicable)**. Likewise, if you don't know, circle **dk (don't know)**.

1=Not Satisfied, 2=Somewhat Satisfied, 3=Satisfied, 4=Very Satisfied, 5=Extremely Satisfied (circle response)

a. Clear water (high visibility)	n/a	dk	1	2	3	4	5
b. Amount of living coral on the reefs	n/a	dk	1	2	3	4	5
c. Public transportation	n/a	dk	1	2	3	4	5
d. Parking	n/a	dk	1	2	3	4	5
e. Many different kinds of fish and sea life to view	n/a	dk	1	2	3	4	5
f. Many different kinds of fish and sea life to catch	n/a	dk	1	2	3	4	5
g. Large numbers of fish	n/a	dk	1	2	3	4	5
h. Opportunity to view large wildlife: (manatees, whales, dolphins, sea turtles)	n/a	dk	1	2	3	4	5
i. Uncrowded conditions	n/a	dk	1	2	3	4	5
j. Maps, brochures, and other tourist information	n/a	dk	1	2	3	4	5
k. Boat ramps/launching facilities	n/a	dk	1	2	3	4	5
l. Marina facilities	n/a	dk	1	2	3	4	5
m. Directional signs, street signs, mile markers	n/a	dk	1	2	3	4	5
n. Condition of roads and streets	n/a	dk	1	2	3	4	5
o. Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5
p. Condition of bike paths, sidewalks, walking paths	n/a	dk	1	2	3	4	5
q. Shoreline access	n/a	dk	1	2	3	4	5
r. Designated swimming/beach areas	n/a	dk	1	2	3	4	5
s. Quality of beaches	n/a	dk	1	2	3	4	5
t. Service and friendliness of people	n/a	dk	1	2	3	4	5
u. Historic preservation (landmarks, houses, etc.)	n/a	dk	1	2	3	4	5
v. Availability of public restrooms	n/a	dk	1	2	3	4	5
w. Value for the price	n/a	dk	1	2	3	4	5
x. Parks and specially protected areas	n/a	dk	1	2	3	4	5
y. Mooring buoys near coral reefs	n/a	dk	1	2	3	4	5

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

OMB Approval #0648-0410 Expires: 7/31/03
SURVEY ID# : _____

SECTION 1: Screening

1. Over the past 12 months, how many days have you used your boat for saltwater activities in your county of residence? _____ (days)

 2. While saltwater boating in your county of residence over the past 12 months, did you use the artificial or natural reefs for any recreational activities such as fishing, diving or snorkeling?

YES _____ (If yes, please continue with the survey.)
NO _____ (If no, please return this uncompleted survey. It is very important that you return this survey.)
-

SECTION 2: Activity Profile and Use of Reefs

3. Of the days spent saltwater **boating** in your county of residence over the past 12 months, how many of these days were spent:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

 4. Of the days spent **saltwater fishing** in your county of residence over the past 12 months, how many of these days were spent fishing on:

Artificial reefs? _____ Natural reefs? _____

 5. If you spent a portion of your saltwater fishing days on both artificial and natural reefs, what **percent** of your time do you usually spend on:

Artificial reefs? _____ Natural reefs? _____

 6. Of the days you spent **snorkeling** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

 7. How many of these dives were done in the Sanctuary Preservation Areas or Ecological Reserves in the Florida Keys National Marine Sanctuary? These areas are marked with yellow buoys.

_____ (number of dives)

 8. Of the days you spent **scuba diving** in your county of residence over the past 12 months, how many different dives were done on:

Artificial reefs? _____ Natural reefs? _____

 9. How many of these dives were done in the Sanctuary Preservation Areas or Ecological Reserves in the Florida Keys National Marine Sanctuary? These areas are marked with yellow buoys.

_____ (number of dives)
-

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

SECTION 3: Expenditures

10. How many other people living in your county of residence went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

11. How many other people who are **not** residents of your county went with you on your last trip to go:

Saltwater fishing? _____ Snorkeling? _____ Scuba diving? _____

12. On your most recent saltwater fishing day, snorkeling day, and scuba diving day in your county of residence, would you please indicate your best estimate of how much money you and your party spent in your county of residence?

Expenditures in your county of residence on most recent day

Expense Item	Fishing	Snorkeling	Scuba Diving
Boat Oil and Gas	\$	\$	\$
Bait	\$	\$	\$
Tackle	\$	\$	\$
Ice	\$	\$	\$
Food & Beverages from stores	\$	\$	\$
Food & Beverages from Restaurants/Bars	\$	\$	\$
Gas for Auto	\$	\$	\$
Boat ramp fees & parking fees	\$	\$	\$
Marina slip rental & dockage fees	\$	\$	\$
Equipment rentals	\$	\$	\$
Sundries (sun screen, sickness pills, etc.)	\$	\$	\$
Any other items not mentioned above	\$	\$	\$
Number of people who spent or benefited from these expenditures			

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

SECTION 4: Value of Reefs

13. Southeast Florida includes Palm Beach, Broward, Miami-Dade and Monroe Counties. The Florida Keys are in Monroe County. Over the past 12 months, how many boating trips have you made in southeast Florida to use the:

Natural reefs? _____ (# of trips). Artificial reefs? _____ (# of trips).

Local and state government agencies are being asked to evaluate how users of artificial reefs value new artificial reefs. Artificial reef programs cost money. Suppose that the government proposed that all users of the artificial reefs would pay for all newly constructed reefs. Fishermen and divers with their own boats would pay for a decal as part of their boat registration and/or, if they used a charter/party boat or a rental boat (pay operation), they would pay for the costs through higher fees charged by the pay operation. The money would go into a trust fund that could only be used for the construction and maintenance of artificial reefs in southeast Florida.

14. Would you be willing to pay \$ _____ per year when you renew your boat registration and/or the amount in higher fees to a charter/party boat or rental boat operation to fund this program?

___ YES ___ NO

If you answered NO to the above question or you don't know or you refuse to answer the question, please circle the **one** letter that best explains your reason for saying no or don't know; or refusing to answer?

- A. A contribution of that amount is more than new artificial reefs are worth to me.
- B. I really don't know how much new artificial reefs are worth to me.
- C. There are enough artificial reefs already.
- D. There is not enough information to form a decision.
- E. I don't understand or like the question.
- F. The government should fund the artificial reef program out of general revenue and not a specific tax or fee.
- G. I already pay too much to the government.
- H. Government waste should be reduced to fund the artificial reef program.
- I. Other (please explain): _____

SECTION 5: No Take Area Opinions

In July 1997, the Florida Keys National Marine Sanctuary created 23 areas or zones in which the taking of anything is prohibited. The total area of this no take zone is 13.37 square miles. A no take zone is a designated area of the reef system in which nothing is to be taken from this area including fish and shellfish.

15. Do you support the currently designated "NO TAKE" zones in the Florida Keys?

___ YES ___ NO ___ Don't Know ___ Refused

16. Would you support the creation of additional "NO TAKE" zones on some of the reefs in your county of residence?

___ YES ___ NO ___ Don't Know ___ Refused

17. Would you support the creation of additional "NO TAKE" zones on some of the reefs in Palm Beach, Broward, and Dade counties?

___ YES ___ NO ___ Don't Know ___ Refused

18. What percentage of the coral or natural reefs in your county do you think would be a reasonable proportion to protect by giving them NO TAKE designation? _____(%)

**Socioeconomic Study of Reefs in Southeast Florida
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SECTION 6: Demographics

19. How long have you been boating in south Florida? _____ (# years)
20. What is the length of your boat that you use for your saltwater activities? _____ (feet)
21. Are you a member of fishing or diving club? ____ YES ____ NO
22. In what year were you born? 19 ____
23. What is your zip code? _____ (five digits)
24. How long have you lived in this county? _____ (# years)
25. Are you: Male? ____ Female? ____
26. Are you Hispanic, Latino, or have Spanish origin? ____ YES ____ NO
27. Please circle the letter that best describes you?
- | | |
|-------------------------------------|--|
| a. White | e. Native Hawaiian or Other Pacific Islander |
| b. Black or African American | f. Other (please notify)_____ |
| c. American Indian or Alaska Native | |
| d. Asian | |
28. Please circle the letter of your highest education level?
- | | |
|-------------------------|--------------------------------------|
| a. Completed grades 1-9 | d. Some college or vocational school |
| b. Some high school | e. College graduate |
| c. High School graduate | f. Graduate or professional degree |
29. Please circle the letter that corresponds to your estimated household income before taxes?
- | | | |
|--------------------------|--------------------------|----------------------------|
| (a) less than \$5,000 | (f) \$30,000 to 34,999 | (k) \$75,000 to \$99,999 |
| (b) \$5,000 to \$9,999 | (g) \$35,000 to \$39,999 | (l) \$100,000 to \$149,000 |
| (c) \$10,000 to \$14,999 | (h) \$40,000 to \$49,999 | (m) \$150,000 or more |
| (d) \$15,000 to \$24,999 | (i) \$50,000 to \$59,000 | |
| (e) \$25,000 to \$29,999 | (j) \$60,000 to \$74,999 | |
-

**Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey 2 – Monroe County**

OMB Approval #0648-0409 Expires: 7/31/03
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SECTION 7: Importance

30. Please read each statement and rate the importance of each item as it contributes to an ideal recreation setting for the activities you did in the Florida Keys/Florida Bay Area. If an item does not apply, indicate by circling **n/a (not applicable)**. Likewise, if you don't know, circle **dk (don't know)**.

1=Not Important, 2=Somewhat Important, 3=Important, 4=Very Important, 5=Extremely Important (circle response)

a. Clear water (high visibility)	n/a	dk	1	2	3	4	5
b. Amount of living coral on the reefs	n/a	dk	1	2	3	4	5
c. Public transportation	n/a	dk	1	2	3	4	5
d. Parking	n/a	dk	1	2	3	4	5
e. Many different kinds of fish and sea life to view	n/a	dk	1	2	3	4	5
f. Many different kinds of fish and sea life to catch	n/a	dk	1	2	3	4	5
g. Large numbers of fish	n/a	dk	1	2	3	4	5
h. Opportunity to view large wildlife: (manatees, whales, dolphins, sea turtles)	n/a	dk	1	2	3	4	5
i. Uncrowded conditions	n/a	dk	1	2	3	4	5
j. Maps, brochures, and other tourist info	n/a	dk	1	2	3	4	5
k. Boat ramps/launching facilities	n/a	dk	1	2	3	4	5
l. Marina facilities	n/a	dk	1	2	3	4	5
m. Directional signs, street signs, mile markers	n/a	dk	1	2	3	4	5
n. Condition of roads and streets	n/a	dk	1	2	3	4	5
o. Cleanliness of streets and sidewalks	n/a	dk	1	2	3	4	5
p. Condition of bike paths, sidewalks, walking paths	n/a	dk	1	2	3	4	5
q. Shoreline access	n/a	dk	1	2	3	4	5
r. Designated swimming/beach areas	n/a	dk	1	2	3	4	5
s. Quality of beaches	n/a	dk	1	2	3	4	5
t. Service and friendliness of people	n/a	dk	1	2	3	4	5
u. Historic preservation (landmarks, houses, etc)	n/a	dk	1	2	3	4	5
v. Availability of public restrooms	n/a	dk	1	2	3	4	5
w. Value for the price	n/a	dk	1	2	3	4	5
x. Parks and specially protected areas	n/a	dk	1	2	3	4	5
y. Mooring buoys near coral reefs	n/a	dk	1	2	3	4	5

Socioeconomic Study of Reefs in Southeast Florida
Resident Boater Survey

SECTION 8: Satisfaction

30. In the above section, you indicated the importance of a list of items to your recreation experiences. Now please read each of the items on this list and rate how satisfied you were with each at the places you did your activities in the Florida Keys/Florida Bay Area. If the item does not apply, indicate by circling **n/a (not applicable)**. Likewise, if you don't know, circle **dk (don't know)**.

1=Not Satisfied, 2=Somewhat Satisfied, 3=Satisfied, 4=Very Satisfied, 5=Extremely Satisfied (circle response)

a. Clear water (high visibility)	n/a	dk	1	2	3	4	5
b. Amount of living coral on the reefs	n/a	dk	1	2	3	4	5
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