OMB SUBMISSION

NOAA Coral Reef Conservation Program

National Coral Reef Monitoring Program (NCRMP)

Resident Coral Reef Survey

OMB Control Number 0648-0646

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\*\*Florida Survey\*\*

*Survey conducted in (circle one): English Spanish*

Hello/Hola*,* My name is \_\_\_\_\_\_\_\_\_\_. We are only interested in obtaining your opinions on some important issues related to coral reefs and the environment in South Florida, which is defined as the following five counties: Martin, Palm Beach, Broward, Miami-Dade, and Monroe. You were selected because you live in a coastal area near coral reefs. Your participation is voluntary and will be kept strictly confidential.

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**PARTICIPATION IN REEF ACTIVITIES**

1. How often do you usually participate in each of the following activities?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Never | Once a month or less | 2-3 times a month | 4 times a month or more | No Response |
| Swimming/wading |  |  |  |  |  |
| Snorkeling |  |  |  |  |  |
| Diving (SCUBA or free diving) |  |  |  |  |  |
| Waterside/ beach camping |  |  |  |  |  |
| Beach recreation (beach sports, picnics, sunbathing, general beachgoing) |  |  |  |  |  |
| Boating |  |  |  |  |  |
| Watersports (surfing, kayaking, paddleboarding, kite surfing) |  |  |  |  |  |
| Island/sandbar recreation |  |  |  |  |  |
| Fishing  [*interviewer prompt: fishing for finfish*] |  |  |  |  |  |
| Gathering of marine resources (lobsters, conch, seaweed, examples) |  |  |  |  |  |

***SKIP PATTERN-- If respondent answers ‘never’ to BOTH fishing and gathering of marine resources, then skip to #3:***

**CORAL REEF RELIANCE / CULTURAL IMPORTANCE OF REEFS**

1. How often do you fish or harvest marine resources for each of the following reasons?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Never | Rarely | Sometimes | Frequently | No Response |
| To feed myself and my family/ household |  |  |  |  |  |
| To sell |  |  |  |  |  |
| To give to extended family members and/or friends |  |  |  |  |  |
| For fun |  |  |  |  |  |
| For special occasions and cultural events |  |  |  |  |  |
| For sport (tournament fishing) |  |  |  |  |  |

1. How often do you or your family eat fish/seafood?

a. Every day

b. A few times a week

c. About once a week

d. 1-3 times a month

e. Less than once a month

f. Never

***SKIP PATTERN-- If respondent answers f. Never, skip to question #5***

1. Where do you get the fish or seafood your family eats? Please pick the top 2.
2. Purchased by myself or someone in my household at a store or restaurant
3. Purchased by myself or someone in my household at a market or roadside vendor
4. Caught by myself or someone in my household
5. Caught by extended family members
6. Other, please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PERCEIVED RESOURCE CONDITION**

1. In your opinion, how are South Florida’s marine resources currently doing? Please rank from very bad to very good.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Very Bad | Bad | Neither Bad nor Good | Good | Very Good | Not sure |
| Ocean Water Quality (clean and clear) |  |  |  |  |  |  |
| Amount of Coral |  |  |  |  |  |  |
| Number of Fish |  |  |  |  |  |  |
| Beach quality (long and wide, clean, not crowded) |  |  |  |  |  |  |
| Mangroves |  |  |  |  |  |  |

1. How would you say the condition of each of the following has changed over the last 10 years: from 1=it has gotten a lot worse to 5=it has gotten a lot better.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | A lot Worse | Somewhat Worse | No Change | Somewhat Better | A lot Better | Not Sure |
| Ocean Water Quality (clean and clear) |  |  |  |  |  |  |
| Amount of Coral |  |  |  |  |  |  |
| Number of Fish |  |  |  |  |  |  |
| Beach quality (long and wide, clean, not crowded) |  |  |  |  |  |  |
| Mangroves |  |  |  |  |  |  |

1. In the next 10 years, do you think the condition of the marine resources in South Florida will get worse, stay the same or improve?
2. Get worse
3. Stay the same
4. Improve
5. Not sure

**AWARENESS AND KNOWLEDGE OF CORAL REEFS**

1. Please say whether you disagree or agree with each of the following statements.

**[*Interviewer* *prompt: remind respondent of the definition of South Florida so that they answer these questions with respect to all counties, not just the Keys*]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | Disagree | Neither | Agree | Strongly Agree | Not Sure |
| Coral reefs protect South Florida from erosion and natural disasters. |  |  |  |  |  |  |
| Coral reefs are only important to fishermen, divers and snorkelers. |  |  |  |  |  |  |
| Healthy coral reefs attract tourists to South Florida. |  |  |  |  |  |  |
| Coral reefs are important to South Florida cultures. |  |  |  |  |  |  |

1. How familiar are you with each of the following potential threats facing the coral reefs in South Florida?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Very Unfamiliar | Unfamiliar | Neither Familiar nor Unfamiliar | Familiar | Very Familiar | Not sure |
| Climate change |  |  |  |  |  |  |
| Coral bleaching |  |  |  |  |  |  |
| Hurricanes and other natural disasters |  |  |  |  |  |  |
| Pollution (stormwater, wastewater, chemical runoff, trash/littering, oil spills) |  |  |  |  |  |  |
| Increased coastal/urban development (includes construction) |  |  |  |  |  |  |
| Invasive species |  |  |  |  |  |  |
| Fishing and gathering |  |  |  |  |  |  |
| Damage from ships and boats |  |  |  |  |  |  |
| Beach renourishment |  |  |  |  |  |  |
| Snorkeling and diving |  |  |  |  |  |  |

1. Do you believe that the threats to coral reefs in South Florida are:
2. Extreme
3. Large
4. Moderate
5. Minimal
6. None
7. Not sure

**ATTITUDES TOWARDS CORAL REEF MANAGEMENT STRATEGIES AND ENFORCEMENT**

1. The following are common strategies used to manage the marine environment. We are interested in your opinion about the use of these strategies to improve the protection of coral reefs. Please indicate how much you disagree or agree with each of the following:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Example Management Strategies | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Not Sure |
| Law enforcement of existing rules/regulations |  |  |  |  |  |  |
| Community participation in management |  |  |  |  |  |  |
| Seasonal openings/closures of fisheries |  |  |  |  |  |  |
| Stricter control of sources of pollution to preserve water quality |  |  |  |  |  |  |
| Restrictions on coastal development |  |  |  |  |  |  |
| Marine zoning |  |  |  |  |  |  |
| Designated marine protected area |  |  |  |  |  |  |
| Limited use (fishing, diving, snorkeling, boating) |  |  |  |  |  |  |
| Restricted access |  |  |  |  |  |  |
| No-take zones |  |  |  |  |  |  |
| More restrictions on construction practices to prevent sediment going to sea |  |  |  |  |  |  |
| Limits per person for certain fish species (size and amount) |  |  |  |  |  |  |

**AWARENESS OF CORAL RULES AND REGULATIONS / MANAGEMENT**

1. How familiar are you with the following organizations and processes that are working to improve the management of coral reefs and other marine resources in South Florida?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Very Unfamiliar | Unfamiliar | Neither Familiar nor Unfamiliar | Familiar | Very Familiar | Not sure |
| SEFCRI Southeast Florida Coral Reef Initiative (SEFCRI) |  |  |  |  |  |  |
| Florida Keys National Marine Sanctuary (FKNMS) |  |  |  |  |  |  |
| Florida Department of Environmental Protection |  |  |  |  |  |  |
| Florida Fish and Wildlife Conservation Commission |  |  |  |  |  |  |
| Our Florida Reefs Community Planning Process |  |  |  |  |  |  |
| Florida Keys National Marine Sanctuary Management Plan, Marine Zoning and Regulatory Review Process |  |  |  |  |  |  |

**PARTICIPATION IN BEHAVIORS THAT MAY IMPROVE CORAL HEALTH**

1. How often do you participate in any activity to protect the environment (for example, beach clean ups, volunteering with an environmental group, recycling)?
2. Not At All
3. Once a year or Less
4. Several times a year
5. At least once a month
6. Several Times a Month or more
7. Not Sure
8. Which of the following would you consider to be your top 3 sources of information about coral reefs and the environment in South Florida?

***Interviewer checks the top 3 sources of information in box below.***

1. To what degree do you trust each of your top rated sources of information to provide you the most accurate information on coral reefs and coral reef related topics in South Florida?

***Respondent rates only the top 3 sources of information in box below.***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Top 3 | Sources | Very untrustworthy | Untrustworthy | Neither Trustworthy nor Untrustworthy | Trustworthy | Very Trustworthy | Not sure |
|  | **Newspapers, other print publications** |  |  |  |  |  |  |
|  | **Radio** |  |  |  |  |  |  |
|  | **TV** |  |  |  |  |  |  |
|  | **Internet** |  |  |  |  |  |  |
|  | **Social Media** |  |  |  |  |  |  |
|  | **Friends and family** |  |  |  |  |  |  |
|  | **Community leaders** |  |  |  |  |  |  |
|  | **Dive and bait shop owners/employees** |  |  |  |  |  |  |
|  | **State and/or County governments** |  |  |  |  |  |  |
|  | **Federal government agencies (NOAA, EPA)** |  |  |  |  |  |  |
|  | **Non-profit organizations** |  |  |  |  |  |  |
|  | **Other** |  |  |  |  |  |  |

1. How involved is the local community in protecting and managing coral reefs?
2. Not at all involved
3. Somewhat involved
4. Moderately involved
5. Involved
6. Very involved
7. Not sure
8. How often do you feel you are given the opportunity to be involved in making decisions related to the management of coral reefs in South Florida?

1. Never
2. Rarely
3. Sometimes
4. Frequently
5. Not Sure

***SKIP PATTERN -- If respondent answers a, then skip to #19.***

1. How involved are you in making decisions related to the management of coral reefs in South Florida?
2. Not at all involved
3. Slightly involved
4. Moderately involved
5. Involved
6. Very involved
7. Not sure

**DEMOGRAPHICS**

**I just have a few more questions that will help us to interpret our results. As a reminder, the information you provide is completely confidential.**

1. Are you male or female?
2. Male
3. Female
4. What is your year of birth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. How long have you lived in South Florida?
6. 1 year or less
7. 2-5 years
8. 6-10 years
9. more than 10 years
10. all my life
11. Including your primary language, please name each language you speak. [***interviewer should not read options below, but should allow respondent to answer***]

1. English

2. Spanish

3. French

4. German

5. Italian

6. Portuguese

7. Arabic

8. Chinese

9. Japanese

10. Korean

11. Tagolog

12. Hindi

13. Hawaiian

14. Hawaii Pidgin English

15. Sāmoan

16. Chamorro

17. Carolinian

18. Creole

19. Crucian

20. Tongan

21. Other: Please list \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22. No Response

1. What race/ethnicity do you consider yourself? [***interviewer should not read options below, but should allow respondent to answer***]

1. American Indian or Alaskan Native

2. Asian

3. Black or African American

4. Puerto Rican

5. Carolinian

6. Chamorro

7. Chinese

8. Cuban

9. Filipino

10. Japanese

11. White

12. Korean

13. Mexican

14. Native Hawaiian or other Pacific Islander

15. Samoan

16. Taino

17. Thai

18. Tongan

19. Vietnamese

21. Other/Mixed

22. No response

23. Hispanic or Latino

1. What is the highest level of education you have completed?
2. 8th Grade or Less
3. Some high school
4. High School Graduate, GED
5. Some college, community college or AA
6. College Graduate
7. Graduate School, Law School, Medical School
8. No Response
9. What is your current employment status?
10. Unemployed
11. Student
12. Employed full-time
13. Homemaker
14. Employed part-time
15. Retired
16. None of the above: Please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. No Response
18. What is your occupation? [***open ended***] \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
19. May I ask, what is your annual household income?
20. Under $10,000
21. $10,000-19,999
22. $20,000-29,999
23. $30,000-39,999
24. $40,000-49,999
25. $50,000-59,999
26. $60,000-74,999
27. $75,000-99,999
28. $100,000-149,999
29. $150,000 or More
30. No Response

THANK YOU FOR YOUR TIME

*If you would like a copy of the results, please provide us with your mailing address or email address (write on separate contact sheet that is not linked to survey answers).*