

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 <i>[interviewer prompt: fishing for finfish]</i>					
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

2. 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					

	Never	Rarely	Sometimes	Frequently	No Response
For sport (tournament fishing)					

3. 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

4. Where do you get the fish or seafood your family eats? Please pick the top 2.

- a. Purchased by myself or someone in my household at a store or restaurant
- b. Purchased by myself or someone in my household at a market or roadside vendor
- c. Caught by myself or someone in my household
- d. Caught by extended family members
- e. Other, please specify _____

PERCEIVED RESOURCE CONDITION

5. 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						

6. 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						

7. 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?
- Get worse
 - Stay the same
 - Improve
 - Not sure

AWARENESS AND KNOWLEDGE OF CORAL REEFS

8. 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.						

9. 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						

10. Do you believe that the threats to coral reefs in South Florida are:

- a. Extreme
- b. Large
- c. Moderate
- d. Minimal
- e. None
- f. Not sure

ATTITUDES TOWARDS CORAL REEF MANAGEMENT STRATEGIES AND ENFORCEMENT

11. 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

12. 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

13. How often do you participate in any activity to protect the environment (for example, beach clean ups, volunteering with an environmental group, recycling)?

- a. Not At All
- b. Once a year or Less
- c. Several times a year
- d. At least once a month
- e. Several Times a Month or more
- f. Not Sure

14. 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.

15. 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						

16. How involved is the local community in protecting and managing coral reefs?

- a. Not at all involved
- b. Somewhat involved
- c. Moderately involved
- d. Involved
- e. Very involved
- f. Not sure

17. 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?

- a. Never
- b. Rarely
- c. Sometimes
- d. Frequently
- e. Not Sure

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

18. How involved are you in making decisions related to the management of coral reefs in South Florida?

- a. Not at all involved
- b. Slightly involved
- c. Moderately involved
- d. Involved
- e. Very involved
- f. 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.

19. Are you male or female?

- a. Male
- b. Female

20. What is your year of birth? _____

21. How long have you lived in South Florida?

- a. 1 year or less
- b. 2-5 years
- c. 6-10 years
- d. more than 10 years
- e. all my life

22. Including your primary language, please name each language you speak. [*interviewer should not read options below, but should allow respondent to answer*]

- | | |
|---------------|---------------------------|
| 1. English | 13. Hawaiian |
| 2. Spanish | 14. Hawaii Pidgin English |
| 3. French | 15. Sāmoan |
| 4. German | 16. Chamorro |
| 5. Italian | 17. Carolinian |
| 6. Portuguese | 18. Creole |
| 7. Arabic | 19. Crucian |
| 8. Chinese | 20. Tongan |
| 9. Japanese | 21. Other: Please list |
| 10. Korean | _____ |
| 11. Tagalog | 22. No Response |
| 12. Hindi | |

23. 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 | 11. White |
| 2. Asian | 12. Korean |
| 3. Black or African American | 13. Mexican |
| 4. Puerto Rican | 14. Native Hawaiian or other Pacific Islander |
| 5. Carolinian | 15. Samoan |
| 6. Chamorro | 16. Taino |
| 7. Chinese | 17. Thai |
| 8. Cuban | 18. Tongan |
| 9. Filipino | 19. Vietnamese |
| 10. Japanese | |

- 21. Other/Mixed
- 22. No response

23. Hispanic or Latino

24. What is the highest level of education you have completed?

- a. 8th Grade or Less
- b. Some high school
- c. High School Graduate, GED
- d. Some college, community college or AA
- e. College Graduate
- f. Graduate School, Law School, Medical School
- g. No Response

25. What is your current employment status?

- a. Unemployed
- b. Student
- c. Employed full-time
- d. Homemaker
- e. Employed part-time
- f. Retired
- g. None of the above: Please specify _____
- h. No Response

26. What is your occupation? [**open ended**] _____

27. May I ask, what is your annual household income?

- a. Under \$10,000
- b. \$10,000-19,999
- c. \$20,000-29,999
- d. \$30,000-39,999
- e. \$40,000-49,999
- f. \$50,000-59,999
- g. \$60,000-74,999
- h. \$75,000-99,999
- i. \$100,000-149,999
- j. \$150,000 or More
- k. 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).