

# OMB SUBMISSION

NOAA Coral Reef Conservation Program  
National Coral Reef Monitoring Program (NCRMP)  
Resident Coral Reef Survey  
OMB Control Number 0648-0646

**\*\*CORE MODULE\*\***

Hello, My name is \_\_\_\_\_ We are only interested in obtaining your opinions on some important issues related to coral reefs and the environment in \_\_\_\_\_

Your participation is voluntary and will be kept strictly confidential. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Peter Edwards, National Oceanic and Atmospheric Agency, National Ocean Service, Coral Reef Conservation Program, (1305 East West Highway, Silver Spring, MD, 20910, USA.

**PARTICIPATION IN REEF ACTIVITIES**

1. How often do you usually participate in each of the following activities? [Q14]

	Never	Once a month or less	2-3 times a month	4 times a month or more	No Answer
Swimming/wading					
Snorkeling					
Diving (SCUBA or free diving)					
Waterside/ beach camping					
Beach recreation (beach sports, picnics)					
Boating					
Fishing					
Gathering of marine resources (lobsters, conch, seaweed, examples)					

*SKIP PATTERN-- If respondent answers 'never' to 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? [Q112]

	Frequently	Sometimes	Rarely	Never	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					

3. How often do you or your family eat fish/seafood? [Guam survey]
- 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 'never' then skip to question #5**

4. Where do you get the fish or seafood your family eats? [Guam Survey]
- 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 [jurisdiction's] marine resources currently doing? Please rank from very bad to very good. [Q50]

	Very Bad	Bad	Neither Bad nor Good	Good	Very Good	Don't Know
Ocean Water Quality (clean and clear)						
Amount of Coral						
Number of Fish						

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. [Q53]

	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						

7. In the next 10 years, do you think the condition of the marine resources in [jurisdiction] will get worse, stay the same or improve? [Guam Survey]
- a. Get worse
  - b. Stay the same
  - c. Improve
  - d. Not sure

**AWARENESS AND KNOWLEDGE OF CORAL REEFS - Threats including climate change**

8. Please say whether you disagree or agree with each of the following statements. [Q7, Guam Survey]

	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree	Not Sure
Coral reefs protect the [jurisdiction] from erosion and natural disasters.						
Coral reefs are only important to fishermen, divers and snorkelers.						
Healthy coral reefs attract tourists to [jurisdiction].						
Coral reefs are important to [jurisdiction] culture.						

9. How familiar are you with each of the following potential threats facing the coral reefs in <location>? [Q31]

	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 and trash/littering)						
Coastal/urban development						
Invasive species						
Too much fishing and gathering						
Damage from ships and boats						

10. Do you believe that the threats to coral reefs in <location> are: [MODIFIED Q29]

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

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

11. A Marine Protected Area is an area of the ocean where human activity is typically restricted to protect living, non-living, cultural, and/or historic resources. How familiar are you with Marine Protected Areas (MPAs)? [Q36]

- a. Very Unfamiliar
- b. Unfamiliar
- c. Neither Unfamiliar nor Familiar
- d. Familiar
- e. Very Familiar
- f. Not sure

**SKIP PATTERN-- If respondent answers 'Very unfamiliar' or 'Unfamiliar', then skip to #12:**

12. Please indicate how much you disagree or agree with each of the following statements.  
 [MODIFIED Q44]

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure
MPAs protect coral reefs						
MPAs increase the number of fish						
There should be fewer MPAs in [jurisdiction]						
There should be more MPAs in [jurisdiction]						
There has been economic benefit to [jurisdiction] from the establishment of MPAs						
Fishermen's livelihoods have been negatively impacted from the establishment of MPAs in [jurisdiction]						
MPAs help increase tourism in [jurisdiction]						
The establishment of MPAs increases the likelihood that people will vacation in [jurisdiction]						
I would support adding new MPAs in [jurisdiction] if there is evidence that the ones we have are improving [jurisdiction's] marine resources						
I generally support the establishment of MPAs						

13. The following are proposed or existing management strategies used to manage the marine environment and specifically, to improve the protection of coral reefs in <location>. Please rate whether you oppose or support each regulation. [Q103]

	Strongly Oppose	Oppose	Neither Support nor	Support	Strongly Support	Don't Know
Increased enforcement of existing rules/regulations						
Limits per person for certain fish species						

	Strongly Oppose	Oppose	Neither Support nor	Support	Strongly Support	Don't Know
(size and amount)						
Stricter control of sources of pollution to preserve water quality						
More restrictions on construction practices to prevent sediment going to sea						
Limits on recreational use						

### PARTICIPATION IN BEHAVIORS THAT MAY IMPROVE CORAL HEALTH

14. How often do you participate in any activity to protect the environment (for example, beach clean ups, volunteering with an environmental group, recycling)? [MODIFIED Q89]

- 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

15. Which of the following would you consider to be your top 3 sources of information about coral reefs and the environment in [jurisdiction]? [Q105]  
**Interviewer checks the top 3 sources of information.**

16. 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 [jurisdiction]? [Q109]  
**Respondent rates only the top 3 sources of information.**

Top 3	Sources	Very untrustworthy	Untrustworthy	Neither Trustworthy nor	Trustworthy	Very Trustworthy	Very Trustworthy
	Newspapers, other print publications						
	Radio						
	TV						
	Internet						
	Friends and family						
	Community leaders						
	Government (jurisdictional)						
	Federal government agencies (NOAA, EPA)						
	Non-profit organizations						
	Other						

17. How involved is the local community in protecting and managing coral reefs? [Q97]

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

18. How involved are you in making decisions related to the management of coral reefs in [jurisdiction]? [Q90]

- 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? [Q122]

- a. Male
- b. Female

20. What is your year of birth? \_\_\_\_\_ [Q121]

21. How long have you lived in [jurisdiction]? [Q129]

- 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. [Q133]  
*[interviewer should not read options below, but should allow respondent to answer]*

- |               |                          |
|---------------|--------------------------|
| a. English    | m. Hawaiian              |
| b. Spanish    | n. Hawaii Pidgin English |
| c. French     | o. Sāmoan                |
| d. German     | p. Chamorro              |
| e. Italian    | q. Carolinian            |
| f. Portuguese | r. Creole                |
| g. Arabic     | s. Crucian               |
| h. Chinese    | t. Tongan                |
| i. Japanese   | u. Other: Please list    |
| j. Korean     | _____                    |
| k. Tagalog    | v. No Response           |
| l. Hindi      |                          |

23. What race/ethnicity do you consider yourself? [Q131]

- |   |             |
|---|-------------|
| a. American Indian or Alaskan<br>Native | f. Chamorro |
| b. Asian                                | g. Chinese  |
| c. Black or African American            | h. Cuban    |
| d. Puerto Rican                         | i. Filipino |
| e. Carolinian                           | j. Japanese |
|   | k. White    |

- l. Korean
- m. Mexican
- n. Native Hawaiian or other Pacific Islander
- o. Samoan
- p. Taino
- q. Thai
- r. Tongan
- s. Vietnamese
- t. Other/Mixed
- u. No response
- v. Hispanic or Latino

24. What is the highest level of education you have completed? [Q123]

- 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? [Q124]

- 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] [Q125] \_\_\_\_\_

27. May I ask, what is your annual household income? [Q127]

- 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

