

# OMB SUBMISSION

NOAA Coral Reef Conservation Program  
National Coral Reef Monitoring Program  
Resident Coral Reef Survey  
OMB Control Number 0648-0646  
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**\*\*American Samoa Survey\*\***

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

Talofa/Hello, My name is \_\_\_\_\_. We are conducting a survey of residents in American Samoa and are interested in obtaining your opinions on some important issues related to coral reefs and the environment in American Samoa.

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?

	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)					
Boating					
Outrigger canoe/Fautasi					
Surfing					
Fishing					
Gathering of marine resources (lobsters, conch, seaweed, palolo)					

**SKIP PATTERN--** If respondent answers 'never' to fishing or 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 (includes all fishing and harvesting of shells, octopus, lobster, sea cucumber, or other non-fish species) for each of the following reasons?

	Frequently	Sometimes	Rarely	Never	No Response
To feed myself and my family/ household					
To sell					
To give to extended family members and/or friends					
To give to pastors and village leaders)					
For fun					

	Frequently	Sometimes	Rarely	Never	No Response
<b>For special occasions and cultural events (e.g., fa'alavelave)</b>					

3. How often does your family eat fish/seafood?
- Every day
  - A few times a week
  - About once a week
  - 1-3 times a month
  - Less than once a month
  - 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.
- Purchased by myself or someone in my household at a store or restaurant
  - Purchased by myself or someone in my household at a market or roadside vendor
  - Caught by myself or someone in my household
  - Caught by extended family members
  - Other, please specify \_\_\_\_\_

**PERCEIVED RESOURCE CONDITION**

5. In your opinion, how are American Samoa's marine resources currently doing? Please rank from very bad to very good.

	Very Bad	Bad	Neither Bad nor	Good	Very Good	Not sure
<b>Ocean Water Quality (clean and clear)</b>						
<b>Amount of Coral</b>						
<b>Number of Fish</b>						
<b>Number of Faisua (Giant Clams)</b>						
<b>Amount of animals for gleaning (shells, octopus, etc.)</b>						

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						
Number of Faisua (Giant Clams)						
Amount of animals for gleaning (shells, octopus, etc.)						

7. In the next 10 years, do you think the condition of the marine resources in American Samoa 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.

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

9. How familiar are you with each of the following potential threats facing the coral reefs in American Samoa?

	Very Unfamiliar	Unfamiliar	Neither Familiar nor Unfamiliar	Familiar	Very Familiar	Not sure
<b>Climate change</b>						
<b>Coral bleaching</b>						
<b>Hurricanes and other natural disasters</b>						
<b>Pollution (stormwater, wastewater, chemical runoff and trash/littering)</b>						
<b>Coastal/urban development</b>						
<b>Invasive species</b>						
<b>Too much fishing and gathering</b>						
<b>Damage from ships and boats</b>						
<b>Crown of Thorn starfish outbreaks (alamea)</b>						

10. Do you believe that the threats to coral reefs in American Samoa are:

- 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)?

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

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

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

	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 American Samoa						
There should be more MPAs in American Samoa						
There has been economic benefit to American Samoa from the establishment of MPAs						
Fishermen's livelihoods have been negatively impacted from the establishment of MPAs in American Samoa						
MPAs help increase tourism in American Samoa						
The establishment of MPAs increases the likelihood that people will vacation in American Samoa						
I would support adding new MPAs in American Samoa if there is evidence that the ones we have are improving American Samoa's marine resources						
I generally support the establishment of MPAs						

## AWARENESS OF CORAL RULES AND REGULATIONS

13. The following are proposed or existing strategies used to manage the marine environment in American Samoa. 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:

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Not Sure
Ban on fishing “big fish” species including bumphead parrotfish, humphead wrasse, giant grouper						
Expansion of Fagatele National Marine Sanctuary						
Establishing community-based Village MPAs						
Establishing permanent no-take MPAs						
Establishing areas with temporary fishing closures						

## 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)?

- Not At All
- Once a year or Less
- Several times a year
- At least once a month
- Several Times a Month or more
- 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 American Samoa? ***[interviewer checks the top 3 sources of information in box below]***

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 American Samoa? **[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						
	Friends and family						
	Community leaders						
	Church leaders						
	Government of American Samoa (Dept. of Marine and Wildlife, AS EPA, Coastal Management Program)						
	Federal government agencies (NOAA, National Parks, US EPA)						
	Other: _____						

17. 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

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

- 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 American Samoa?
- 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   | _____                     |
| 12. Hindi     | 22. No Response           |

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

- |               |              |
|---------------|--------------|
| 1. Chamorro   | 8. Pohnpeian |
| 2. Filipino   | 9. Palauan   |
| 3. Carolinian | 10. Chinese  |
| 4. Korean     | 11. Japanese |
| 5. Yapese     | 12. Indian   |
| 6. Kosraen    | 13. Samoan   |
| 7. Chuukese   |              |

- 14. Native Hawaiian or other Pacific Islander
- 15. White
- 16. American Indian or Alaskan Native

- 17. Other: Please specify \_\_\_\_\_
- 18. No response

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*] \_\_\_\_\_ [Q125]

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).*