OMB SUBMISSION

NOAA Coral Reef Conservation Program

National Coral Reef Monitoring Program

Resident Coral Reef Survey

OMB Control Number 0648-0646

Expiration Date: 02/28/2015

\*\*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**

1. 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 |  |  |  |  |  |
| For special occasions and cultural events (e.g., fa’alavelave) |  |  |  |  |  |

1. How often does 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 American Samoa’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 |  |  |  |  |  |  |
| Number of Faisua (Giant Clams) |  |  |  |  |  |  |
| Amount of animals for gleaning (shells, octopus, etc.) |  |  |  |  |  |  |

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. [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.) |  |  |  |  |  |  |

1. 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?
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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 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. |  |  |  |  |  |  |

1. 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 |
| 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 |  |  |  |  |  |  |
| Crown of Thorn starfish outbreaks (alamea) |  |  |  |  |  |  |

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

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

1. 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)?
2. Very Unfamiliar
3. Unfamiliar
4. Neither Unfamiliar nor Familiar
5. Familiar
6. Very Familiar
7. Not sure

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

1. 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**

1. 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**

1. How often do you participate in any activity to protect the environment (for example, beach clean ups, volunteering with an environmental group)?
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 American Samoa? ***[interviewer checks the top 3 sources of information in box below]***
9. 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:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |  |  |  |  |  |

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 involved are you in making decisions related to the management of coral reefs in American Samoa?
9. Not at all involved
10. Slightly involved
11. Moderately involved
12. Involved
13. Very involved
14. 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 American Samoa?
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. Chamorro
   2. Filipino
   3. Carolinian
   4. Korean
   5. Yapese
   6. Kosraen
   7. Chuukese
   8. Pohnpeian
   9. Palauan
   10. Chinese
   11. Japanese
   12. Indian
   13. Samoan
   14. Native Hawaiian or other Pacific Islander
   15. White
   16. American Indian or Alaskan Native
   17. Other: Please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   18. No response
2. What is the highest level of education you have completed?
3. 8th Grade or Less
4. Some high school
5. High School Graduate, GED
6. Some college, community college or AA
7. College Graduate
8. Graduate School, Law School, Medical School
9. No Response
10. What is your current employment status?
11. Unemployed
12. Student
13. Employed full-time
14. Homemaker
15. Employed part-time
16. Retired
17. None of the above: Please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. No Response
19. What is your occupation? [***open ended***] \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Q125]
20. May I ask, what is your annual household income?
21. Under $10,000
22. $10,000-19,999
23. $20,000-29,999
24. $30,000-39,999
25. $40,000-49,999
26. $50,000-59,999
27. $60,000-74,999
28. $75,000-99,999
29. $100,000-149,999
30. $150,000 or More
31. 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).*