

*Hafa adai, help us to better understand the importance of fishing in the Mariana Archipelago. Your details of fishing experiences and expenditures are important for getting accurate results. We want to best represent Marianas fisher(men) and we can only do that by hearing from as many fisher(men) as possible. While your response is voluntary, we hope that you can help us in this research.*

Paperwork Reduction Act Statement. The purpose of this survey is to help us better understand the importance of fishing in the Mariana Archipelago. The information you provide will not be released for public use except in aggregate statistical form without identification as to its source. We will combine your responses with information provided by other participants, and report it in summary form so that responses for any individual vessel cannot be identified. Public reporting burden for this information collection, including time for gathering data needed and completing the survey, is estimated to average 45 minutes per respondent. Please provide comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Justin Hospital, NOAA Fisheries, 1845 Wasp Blvd., Building 176, Honolulu, HI 96814, 808-725-5399, Justin.Hospital@noaa.gov. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject 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.

## SECTION A. YOUR FISHING EXPERIENCES

1. Approximately how many **BOAT** fishing trips did you take over the past 12 months? \_\_\_\_\_ trips

(if not sure, please provide answer below):

Fewer than 12 trips (once every month or less)

50 – 99 trips (once or twice a week)

2. In the past 12 months, how many of your **BOAT** fishing trips were primarily (please check one for each gear)  
 12 – 24 trips (once every other week)

100 – 200 trips (two to three times a week)

25 – 49 trips (once a month)

Very little  
(1%-9%)

Some  
(10%-39%)

More than 200 trips (four times a week)

About 100 trips (four times a week)

Almost  
(90%-100%)

Trolling

Deep Water Bottomfish

Shallow Water Bottomfish

Atulai

Reef Fishing (Spear)

Reef Fishing (Net)

Other, please specify:

3. Approximately how many **NON-BOAT** fishing (shoreline) trips did you take in the past 12 months? \_\_\_\_\_ trips

(if not sure, please provide answer below):

<input type="checkbox"/> Fewer than 12 trips (once every month or less)	<input type="checkbox"/> 50 – 99 trips (once or twice a week)
<input type="checkbox"/> 12 – 24 trips (once every other week)	<input type="checkbox"/> 100 – 200 trips (two to three times a week)
<input type="checkbox"/> 25 – 49 trips (once a week)	<input type="checkbox"/> More than 200 trips (four times a week)

4. In the past 12 months, how many of your **NON-BOAT** fishing (shoreline) trips were: (please check one for each gear type)

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)	In
5. Pole	<input type="checkbox"/>						
Spear	<input type="checkbox"/>						
Cast net	<input type="checkbox"/>						
Surround net	<input type="checkbox"/>						
Gill net	<input type="checkbox"/>						
Rod and reel	<input type="checkbox"/>						
Gleaning	<input type="checkbox"/>						
Hand line	<input type="checkbox"/>						
Other gear, please specify:	<input type="checkbox"/>						

the past 12 months, how many of your **BOAT** fishing trips were:

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Single day (or night) trips	<input type="checkbox"/>					
Multiday trips	<input type="checkbox"/>					

6. How many people in total, including yourself, are on board for an average **BOAT** fishing trip? \_\_\_\_\_ people

7. Do you always fish out of the same boat ramp or harbor?

YES

NO → If NO, on average, how many different boat ramps or harbors do you use in a year? \_\_\_\_\_ ramps

8. In the past 12 months, approximately how many total pounds of pelagic fish, bottomfish, and reef fish did you catch?

	None	1-50 pounds	51-100 pounds	101-250 pounds	251-500 pounds	500+ pounds (about how much?)
Pelagic fish	<input type="checkbox"/>	_____				
Bottomfish	<input type="checkbox"/>	_____				
Reef fish	<input type="checkbox"/>	_____				

9. In the past 12 months, how many of your fishing trips did you fish at Fish Aggregating Devices (FADs):

None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
<input type="checkbox"/>					

## SECTION B. MARKET PARTICIPATION

10. People have different opinions on the definition of commercial fishing. How would you define a fisher(man) as commercial? To be considered a commercial fisher(man), I feel that someone must: (check all that apply)

<input type="checkbox"/> Sell at least one fish	<input type="checkbox"/> Make at least 25% of personal income from fishing
<input type="checkbox"/> Sell 25% or more of catch	<input type="checkbox"/> Make at least 50% of personal income from fishing
<input type="checkbox"/> Sell 50% or more of catch	<input type="checkbox"/> Make <u>all</u> personal income from fishing
<input type="checkbox"/> Sell <u>all</u> catch	<input type="checkbox"/> Other, please specify: _____

11. What is your primary motivation for fishing? (if multiple applies to you, put 1 as primary and 2 as secondary)

- Purely Recreational** (I fish only for sport or pleasure)
- Recreational Expense** (I fish primarily for sport or pleasure, but I also sell a few fish to cover trip expenses)
- Subsistence** (I fish primarily to catch fish to feed myself/my family/my community)
- Cultural** (I enjoy fishing, but I am even more concerned about keeping traditional practices alive, such as using traditional fishing gear)
- Part-time Commercial** (Fishing pays some of my bills, but I still have to work at another job)
- Full-time Commercial** (Fishing brings in most or all of the money I make in a year)
- Other**, please specify: \_\_\_\_\_

**12.** In the past 12 months, how many of your fishing trips did you fish for a roadside vendor, and/or as an independent fisher(men)?

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Roadside vendor	<input type="checkbox"/>					
I am an independent fisherman	<input type="checkbox"/>					

**13.** In the past 12 months, how many of your fishing trips did you fish as a captain and/or crew?

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Captain	<input type="checkbox"/>					
Crew	<input type="checkbox"/>					

**14.** In the past 12 months, how were the catch distributed among fisher(men) in a fishing trip?

I kept all the fish I caught  Don't know/different every time

I kept/received \_\_\_\_\_ % of total fish caught  Other, please describe: \_\_\_\_\_

I kept/received \_\_\_\_\_ % of trip revenue

**15.** In the past 12 months, about what percentage of your fishing trips did you sell a portion of your catch?

None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
<input type="checkbox"/>					

**16.** In the past 12 months, what percentage of your catch was:

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Sold	<input type="checkbox"/>					
Consumed at home	<input type="checkbox"/>					
Given to family members	<input type="checkbox"/>					
Given to friends/neighbors	<input type="checkbox"/>					
Caught for fiestas or other community/cultural events	<input type="checkbox"/>					
Traded for goods and services	<input type="checkbox"/>					
Caught and released	<input type="checkbox"/>					

**If you never sold fish, go to Question 23**

**17. Where did you sell your catch?**

18.	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Guam Fishermen's Coop	<input type="checkbox"/>					
Roadside Vendor	<input type="checkbox"/>					
Retail Markets/Stores	<input type="checkbox"/>					
Restaurants	<input type="checkbox"/>					
Friends/Neighbors/Coworkers	<input type="checkbox"/>					
Wholesaler	<input type="checkbox"/>					
Other, please specify:	<input type="checkbox"/>					

Can you usually sell all of the fish that you want to sell?

Pelagic Fish

- Yes
- No
- I don't sell these fish

Bottomfish

- Yes
- No
- I don't sell these fish

Reef Fish

- Yes
- No
- I don't sell these fish

**19. If NO in Q18 – why not?**

- Market is too far
- The price is not good
- Market conditions
- Catch of non-target species
- Fish too small/picky buyer
- Other, please describe: \_\_\_\_\_

**20. In the past 12 months, what was the approximate value of all the fish you sold?**

- \$1 - \$100
- \$101 - \$500
- \$501 - \$1,000
- \$1,001 - \$5,000
- \$5,001 - \$10,000
- More than \$10,000 → About how much? \$ \_\_\_\_\_

**21. In the past 12 months, what percent of the value of fish sold (question 20) came from the sale of pelagic fish, bottomfish, and reef fish?**

22.	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)	In the
Pelagic Fish	<input type="checkbox"/>						
Bottomfish	<input type="checkbox"/>						
Reef Fish	<input type="checkbox"/>						

past 12 months, after expenses, what percent of your personal income came from the sale of fish?

None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
<input type="checkbox"/>					

23. How important is the fish you catch as a source of food for your family?

Not at all	Slightly important	Moderately important	Very important	Extremely important
<input type="checkbox"/>				

### SECTION C. VESSEL AND GEAR

*In this section we want to better understand the vessel and gear characteristics of Marianas' fishing*

24. Do you own the boat that you fish on?

YES → If YES, what percentage of your time do you fish on your own boat? \_\_\_\_\_ % → Go to Q25

NO → If NO, do you always fish on the same boat?

YES → Go to Q 32

NO → Go to Q 32

*If you own the boat your fish on:*

25. What is the length of your boat? \_\_\_\_\_ feet

26. What is the horsepower? \_\_\_\_\_ hp

27. In what year was the boat built? \_\_\_\_\_

28. In the past 12 months, did other people (other than family members) use the boat **without** you?

Never (0%)	Very little (1%-9%)	Sometimes (10%-39%)	About half (40%-59%)	Usually (60%-89%)	Almost always (90%-100%)
<input type="checkbox"/>					

29. In what year did you purchase the boat you fish on?

*(if homebuilt – when did you complete it?)* \_\_\_\_\_

30. How much did you pay to purchase the boat you fish on?

*(If homebuilt – how much did it cost to build it?)* \$ \_\_\_\_\_

31. What is the current market value, in dollars, of the **electronics** you currently use to fish?

\$ \_\_\_\_\_

32. What is the current market value, in dollars, of the **gear** you currently use to fish  
*(not including electronics)?*

If you own the boat you fish on: \$ \_\_\_\_\_

33. What is the current market value, in dollars, (considering age and current condition) of your **boat** (including motor(s) and trailer, but not including electronics or gear mentioned above)?

\$ \_\_\_\_\_

#### SECTION D. YOUR FISHING TRIP COSTS

We now want to understand what it costs to fish.  
Please remember that all your answers are strictly confidential.

34. In the past 12 months, what was the primary gear usage for your most common **BOAT** fishing trip (please check one)?

<input type="checkbox"/> Trolling	<input type="checkbox"/> Atulai	<input type="checkbox"/> Reef fishing with nets (boat)
<input type="checkbox"/> Deep water bottomfish	<input type="checkbox"/> Spear fishing (boat)	
<input type="checkbox"/> Shallow water bottomfish	<input type="checkbox"/> Scuba spear	

35. On average, how did you pay for your fishing trip costs for your most common (question 34) gear type?

<input type="checkbox"/> I paid all trip costs and it costed \$ _____ per trip
<input type="checkbox"/> I paid a fixed amount of \$ _____ per trip
<input type="checkbox"/> I paid _____ % of the total trip costs per trip
<input type="checkbox"/> Other, please describe: _____

36. On average, what was the total trip costs for your most common (question 34) gear type trip?

Type of Expenditure	Trip Expenditure	What type of fuel?
Boat fuel	\$ _____	<input type="checkbox"/> gas <input type="checkbox"/> diesel
Truck fuel (round trip)	\$ _____	<input type="checkbox"/> gas <input type="checkbox"/> diesel
Ice	\$ _____	
Bait	\$ _____	
Food and beverage	\$ _____	
Daily maintenance and repair	\$ _____	
Other, please specify: _____	\$ _____	

37. In the past 12 months, what was your second most common gear usage (please check one)?

<input type="checkbox"/> Trolling	<input type="checkbox"/> Atulai	<input type="checkbox"/> Reef fishing with nets (boat)
<input type="checkbox"/> Deep water bottomfish	<input type="checkbox"/> Spear fishing (boat)	<input type="checkbox"/> Spear fishing (shore)
<input type="checkbox"/> Shallow water bottomfish	<input type="checkbox"/> Scuba spear	<input type="checkbox"/> Rod and reel (shore)

38. On average, how did you pay for your fishing trip costs for your second most common (question 37) gear type?

I paid all trip costs and it costed \$ \_\_\_\_\_ per trip

I paid a fixed amount of \$ \_\_\_\_\_ per trip

I paid \_\_\_\_\_ % of the total trip costs per trip

Other, please describe: \_\_\_\_\_

39. On average, what was the total trip costs for your second most common (question 37) gear type trip?

Type of Expenditure	Trip Expenditure	What type of fuel?
Boat fuel	\$ _____	<input type="checkbox"/> gas <input type="checkbox"/> diesel
Truck fuel (round trip)	\$ _____	<input type="checkbox"/> gas <input type="checkbox"/> diesel
Ice	\$ _____	
Bait	\$ _____	
Food and beverage	\$ _____	
Daily maintenance and repair	\$ _____	
Other, please specify: _____	\$ _____	

## SECTION E. OTHER FISHING EXPENDITURES IN 2017

*In an effort to better understand your economic contribution to the Marianas' economy, we would like to ask about your fishing-related expenditures in 2017. In the table below please indicate how much, if any, was spent on the following items during 2017.*

***Enter "0" if you did not have any expenses in a category. Please do not leave blank.  
Remember that all your answers are strictly confidential.***

40.

<u>Cost Category</u>	<u>2017 Expenditure (dollars)</u>
Boat insurance	\$ _____
Loan payments	\$ _____
Financial services (accounting, taxes)	\$ _____
Moorage fees	\$ _____
Repair, maintenance, and improvements for vessel, engines, or trailer	\$ _____
Oil and lube	\$ _____
Gear (lines, lures, gaffs, rods, electric/hydraulic reels, spears, wetsuits, coolers, etc.)	\$ _____
Electronics	\$ _____
Fees (Registration for truck and trailer, dry dock fees, fishing club dues, coop fees, etc.)	\$ _____
Safety Equipment	\$ _____
Other, please specify: _____	\$ _____

41. Some fisher(men) purchase fishing gear, electronics, safety equipment or other items off-island, online, or through a catalog. Approximately what percentage of your expenditures were purchased off-island? \_\_\_\_\_ %

## SECTION F. ABOUT YOU

*Different people have different fishing experiences and different motivations for fishing.  
The following questions help us to better understand these differences.*

42. What is your gender?

Male  Female

43. What is your age?

Less than 25 years  35 to 44 years  55 to 64 years  
 25 to 34 years  45 to 54 years  more than 64 years

44. What village do you live in? \_\_\_\_\_

45. How long have you lived in the Marianas? \_\_\_\_\_ years

46. How long have you fished from a boat? \_\_\_\_\_ years

47. Are you a member of a fishing club/association/group? (please check all that apply)

Guam Fishermen's Cooperative Association (GFCA)  Marianas Underwater Fishing Federation (MUFF)  
 Guam Organization of Saltwater Anglers (GOSA)  Saipan Fishermen Association (SFA)  
 Marianas Apnea Spearfishing Club (MASC)  Halum Mamati Fishing Club (HMFC)  
 Other, please specify: \_\_\_\_\_  None

48. Are you of Hispanic, Latin, or Spanish Origin?

No  Yes, Mexican, Mexican American, Chicano  Yes, Cuban  
 Yes, Puerto Rican  Yes, another Hispanic, Latino, or Spanish Origin, please specify: \_\_\_\_\_

49. How would you describe your race? (check all that apply)

50. Are you currently employed?  Guamanian or Chamorro  Carolinian  
 Filipino  Native Hawaiian  
 Employed full-time  Student (full-time)  Retired  
 Employed part-time  Student (part-time)  Unemployed  
 Chinese  Other Pacific Islander, please specify: \_\_\_\_\_  
 Other, please specify:  Asian Indian  
 Japanese

52. What is the highest level of education you have completed?  American Indian or Alaska Native  
 Less than 9th grade  Black, African American, or Negro  Associates degree or technical school  
 Some high school (no diploma)  College graduate (bachelor degree)

High school graduate (including GED)

Advanced, professional, or doctoral degree

Some college (no degree)

53. What was your total household income, before taxes, in 2017, including fishing income?

Less than \$2,500

\$15,000 to \$24,999

\$50,000 to \$74,999

\$2,500 to \$4,999

\$25,000 to \$29,999

\$75,000 to \$99,999

\$5,000 to \$9,999

\$30,000 to \$39,999

\$100,000 or more

\$10,000 to \$14,999

\$40,000 to \$49,999

## SECTION G. WHAT DO YOU THINK?

54. In the next year, do you think more people will be involved in... (please check one for each)

Pelagic Fishing

Yes

Yes

No

No

No

55. Why do you feel this way? \_\_\_\_\_

56. What are the top three (3) species you target to sell?

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

57. What are the top three (3) species you target to give away?

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

58. Please state how much you agree or disagree with the following statements:

As someone who fishes I am respected by the community.

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
<input type="checkbox"/>				

Fishing is an important part of who I am.

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
<input type="checkbox"/>				

Fishing is an important part of my culture

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
<input type="checkbox"/>				

59. How important are the following for managing fisheries in the Marianas?

	Not at all Important	Slightly Important	Moderately Important	Very Important	Extremely Important
Enforcement	<input type="checkbox"/>				
Resource monitoring	<input type="checkbox"/>				
My voice is included in decision making	<input type="checkbox"/>				
Resource abundance and habitat health	<input type="checkbox"/>				
Fisheries infrastructure (please list infrastructure need)	<input type="checkbox"/>				
Other, please specify: _____	<input type="checkbox"/>				

60. Please state how much you agree or disagree that following management is being done well:

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Enforcement	<input type="checkbox"/>				
Resource monitoring	<input type="checkbox"/>				
My voice is included in decision making	<input type="checkbox"/>				
Resource abundance and habitat health	<input type="checkbox"/>				
Fisheries infrastructure (please list infrastructure need)	<input type="checkbox"/>				
Other, please specify: _____	<input type="checkbox"/>				

*Thank you for participating in this survey.*

Please go to next page to provide additional comments

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**Do you have any suggestions for how the Marianas' fisheries should be managed or topics that you feel need further study?  
(please write in the space provided)**

**Would you like to receive a copy of the final report for this study?  
(all personal information will be kept strictly confidential)**

- YES
- NO

**Name:**

**Address:**

**May we contact you if we have any questions about your survey responses?**

- YES Email: \_\_\_\_\_
- NO