

INTERCEPT SURVEY INSTRUMENT

(To be read prior to interview)

Hafa adai, we are conducting a survey to better understand the economic and social importance of boat-based fishing in the Marianas. It has been over 10 years since any similar information has been collected. How well our report portrays an accurate picture of the fishery depends on the information provided by you, the fisher. The information you provide will remain strictly confidential as required by section 402(b) of the Magnuson-Stevens and NOAA Administrative Order 216-100, Confidentiality of Fisheries Statistics, and 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 30 minutes per respondent. 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. May I continue?

Hafa Adai, help us to better understand the importance of fishing to the Mariana Archipelago. Your thoughts, opinions, and details of fishing activity are important for getting accurate results. We want to best represent Marianas fishermen and we can only do that by hearing from as many fishers as possible. While your response is voluntary, we hope that you can help us in this research

SECTION A. YOUR FISHING EXPERIENCES

Different fishermen in the Marianas had different fishing experiences in 2010. Please tell us about yours

1. Approximately how many boat fishing trips did you take over the past 12 months? (please check one)

- Fewer than 25 trips (about once every other week)
- 25 – 49 trips (about once a week)
- 50 – 99 trips (about once or twice a week)
- 100 – 200 trips (about two to three times a week)
- more than 200 trips (about three to four times a week)

Marianas fishermen use many different gear types and target many different species

2. In the past 12 months, how many of your fishing trips were primarily: (please check one for each gear type)

	All of my trips (90-100%)	Most of my trips (61-89%)	About half (40-60%)	Some of my trips (10-39%)	Very few of my fish (1-9%)	None of my trips (0%)
Trolling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deep water bottomfish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shallow water bottomfish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atulai	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spear/Snorkel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. In the past 12 months, how many of your fishing trips were in

	All of my trips (90-100%)	Most of my trips (61-89%)	About half (40-60%)	Some of my trips (10-39%)	Very few of my fish (1-9%)	None of my fish (0%)
Local waters only (0-3nm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal waters only (greater than 3nm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Both Local and Federal Waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. How long is your average fishing trip? _____ hours

5. How many people in total, including yourself, are on board for an average fishing trip? _____

6. Do you always fish out of the same boat ramp or harbor? yes ->go to Q7 no ->go to Q6a

If no:

6a. On average, how many different boat ramps or harbors do you use in a year? _____

7. On average, how far (one-way) do you travel to fish? _____ miles

If trailered, indicate one-way distance to most common ramp; If moored, please indicate one-way distance to slip

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

- None 1 – 50 pounds 51 – 100 pounds 101 – 500 pounds
- 501 – 1000 pounds 1001 – 2500 pounds More than 2500 pounds

9. In the past 12 months, approximately how many total pounds of bottomfish did you catch?

- None 1 – 50 pounds 51 – 100 pounds 101 – 500 pounds
- 501 – 1000 pounds 1001 – 2500 pounds More than 2500 pounds

10. In the past 12 months, approximately how many total pounds of reef fish did you catch?

- None 1 – 50 pounds 51 – 100 pounds 101 – 500 pounds
- 501 – 1000 pounds 1001 – 2500 pounds More than 2500 pounds

11. In the past 12 months, during which months (check all that apply) did you fish for :

Pelagic fish

- Winter (December – February)
- Spring (March – May)
- Summer (June – August)
- Fall (September – November)

Bottomfish

- Winter (December – February)
- Spring (March – May)
- Summer (June – August)
- Fall (September – November)

Reef fish

- Winter (December – February)
- Spring (March – May)
- Summer (June – August)
- Fall (September – November)

SECTION B. MARKET PARTICIPATION

People have different opinions on the definition of commercial fishing...

12. How would you define a fisherman as commercial? To be considered a commercial fisherman, I feel that someone has to: (please check one)

- | | |
|--|---|
| <input type="checkbox"/> Sell <u>any</u> of catch
<input type="checkbox"/> Sell 25% or more of catch
<input type="checkbox"/> Sell 50% or more of catch
<input type="checkbox"/> Sell <u>all</u> of catch | <input type="checkbox"/> Make at least 25% of income from fishing
<input type="checkbox"/> Make at least 50% of income from fishing
<input type="checkbox"/> Make <u>all</u> of income from fishing
<input type="checkbox"/> Other _____ |
|--|---|

13. How would you define yourself as a fisherman? (check all that apply)

- Purely recreational** (only for sport or pleasure)
- Recreational expense** (primarily for sport or pleasure, but I also sell a few fish to recover trip expenses whenever I can)
- Subsistence** (primarily to catch fish to feed myself/my family)
- Cultural** (I enjoy fishing, but I am even more concerned about keeping traditional practices alive, such as using traditional gear and sharing fish with the community in a historical way)
- 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)

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

	All of my fish (90-100%)	Most of my fish (61-89%)	About half (40-60%)	Some of my fish (10-39%)	Very little of my fish (1-9%)	None of my fish (0%)	
Sold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-> If none go to Q19
Caught and released	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Consumed at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Given to friends/neighbors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Given to crew	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Used for cultural/community event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Traded for goods/services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

If any of the catch was sold:

15. Where did you sell your fish?

	All of my fish (90-100%)	Most of my fish (61-89%)	About half (40-60%)	Some of my fish (10-39%)	Very little of my fish (1-9%)	None of my fish (0%)
Guam Fishermen's Cooperative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Markets/Stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Restaurants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dealers/Wholesalers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Friends/neighbors/coworkers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roadside Sales	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If any of the catch was sold:

16. In the past 12 months, approximately after what percentage of your fishing trips did you sell fish?

- Almost all of my trips (90-100%)
- Most of my trips (61-89%)
- About half of my trips (40-60%)
- Some of my trips (10-39%)
- Very few of my trips (1-9%)

If any of the catch was sold:

17. Can you usually sell all of the fish that you want to sell? yes no

If NO: why not? _____

If any of the catch was sold:

18. In the past 12 months what percent of your personal income, before taxes, came from fishing?

- Less than 10% 10% to 25% 26% to 50% 51% to 75% 76% to 100%

19. Are the fish you catch an important source of food for your family? yes no

SECTION C. VESSEL AND GEAR QUESTIONS

In this section we want to better understand the vessel and gear characteristics of boat based fishing on Guam

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

- yes
- no

20a. Do you always fish on the same boat? yes no

20b. Do you always fish with the same captain? yes no

20c. How are you compensated for your time as crew?
(if you are not the captain on the boat you on, how are you compensated for your time)?

- Percentage (%)
- Given a percentage of total fish caught _____
 - Given a percentage of trip revenues _____
 - I pay a percentage of trip costs _____
 - I keep all the fish I catch _____
 - No compensation - I just like to fish _____

If you have some other compensation arrangement please describe:

-> Go to Section E

If own:

21. What is the length of your boat? _____ feet

22. What is the horsepower? _____ hp

23. In what year was the boat built? _____

24. Do other people (other than family members) use the boat without you?
 often sometimes rarely never

25. If you are the captain on fishing trips, how do you usually compensate your crew?
Percentage (%)

- Given a percentage of total fish caught _____
- Given a percentage of trip revenues _____
- Crew pays a percentage of trip costs _____
- Crew keeps all the fish they catch _____
- I always fish alone _____
- Don't Know/different every time _____

If you have some other compensation arrangement please describe:

26 In what year did you purchase the boat you fish on? _____
(if homebuilt – when did you complete it)

27. How much did you pay to purchase the boat you fish on? \$ _____
(if homebuilt – how much did it cost to build it)

28. Was the boat purchased... new used I built it

29. How did you purchase this boat? cash only cash and loan loan only

If cash and loan or loan only:

29a. What was the original loan amount? _____

30. What is the approximate market value, in dollars (considering age and current condition), of the electronics you currently use to fish? \$ _____

31. What is the approximate market value, in dollars (considering age and current condition), of the gear you currently use to fish (not including electronics)? \$ _____

32. What is the approximate market value, in dollars (considering age and current condition), of your boat (including motor(s) and trailer, but not including gear, equipment, or electronics mentioned above)?
\$ _____

SECTION D. YOUR LAST FISHING TRIP

33. Think about your most recent fishing trip, in what month and year was this trip made? _____

34. What was the primary gear used for this trip? _____

35. How much money was spent on your most recent fishing trip?

Variable Cost	Expenditure (dollars)	
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	\$	
Other (specify) _____	\$	
	\$	

36. How much money was spent on your last second most common gear type (see Q2) fishing trip?

Variable Cost	Expenditure (dollars)	
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	\$	
Other (specify) _____	\$	
	\$	

37. What percentage of these costs did you pay? _____ %

SECTION E. 2010 FISHING EXPENDITURES

*In an effort to better understand your economic contribution to the Marianas economy we would like to ask about your fishing-related expenditures in 2010. In the table below please indicate how much, if any, was spent on the following items during 2010. 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.*

38.

Cost Category	2010 Expenditure (dollars)
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, coolers, etc.)	\$
Electronics	\$
Fees (CML, ramp, registration for truck and trailer, dry dock fees, fishing club dues, etc.)	\$
Safety Equipment	\$
Other (please specify) _____	\$

39. Some fishermen purchase fishing gear, electronics, safety equipment or other items online or through a catalog and have it shipped to them. In the past 12 months, approximately what percentage of the expenditures listed above did you purchase 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.

40. What is your age?

- | | |
|---|---|
| <input type="checkbox"/> Less than 25 years | <input type="checkbox"/> 45 to 54 years |
| <input type="checkbox"/> 25 to 34 years | <input type="checkbox"/> 55 to 64 years |
| <input type="checkbox"/> 35 to 44 years | <input type="checkbox"/> more than 64 years |

41. What village do you live in? _____

42. How long have you fished from a boat? _____ years

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

- | | |
|--|--|
| <input type="checkbox"/> Guamanian or Chamorro | <input type="checkbox"/> Vietnamese |
| <input type="checkbox"/> Filipino | <input type="checkbox"/> Native Hawaiian |
| <input type="checkbox"/> Other Asian or Pacific Islander _____ | <input type="checkbox"/> Samoan |
| <input type="checkbox"/> White | <input type="checkbox"/> Asian Indian |
| <input type="checkbox"/> Chinese | <input type="checkbox"/> Black, African American, or Negro |
| <input type="checkbox"/> Japanese | <input type="checkbox"/> American Indian or Alaska Native |
| <input type="checkbox"/> Korean | <input type="checkbox"/> Other _____ |

44. Are you currently employed?

- | | |
|--|--|
| <input type="checkbox"/> Employed Full-time | <input type="checkbox"/> Student (part-time) |
| <input type="checkbox"/> Employed Part-time | <input type="checkbox"/> Unemployed |
| <input type="checkbox"/> Retired | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Student (full-time) | |

45. How many hours per week do you work for pay? _____

46. What was your total household income, before taxes, in 2010, including fishing income?

- | | |
|---|---|
| <input type="checkbox"/> Less than \$20,000 | <input type="checkbox"/> \$80,000 to \$99,999 |
| <input type="checkbox"/> \$20,000 to \$39,999 | <input type="checkbox"/> \$100,000 to \$149,999 |
| <input type="checkbox"/> \$40,000 to \$59,999 | <input type="checkbox"/> \$150,000 to \$199,999 |
| <input type="checkbox"/> \$60,000 to \$79,999 | <input type="checkbox"/> \$200,000 or more |

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

- | | |
|---|---|
| <input type="checkbox"/> Less than 9 th grade | <input type="checkbox"/> Associates degree or technical school |
| <input type="checkbox"/> Some High school (no diploma) | <input type="checkbox"/> College graduate (bachelor degree) |
| <input type="checkbox"/> High school graduate (including GED) | <input type="checkbox"/> Advanced, Professional, or doctoral degree |
| <input type="checkbox"/> Some college (no degree) | |

SECTION G. WHAT DO YOU THINK?

We'd now like to ask your opinions on fishery conditions and management of Marianas fisheries

48. In the next year do you think more people will be involved in ... (please check one for each type of fishing)

- | | | |
|------------------------------|------------------------------|------------------------------|
| <u>Pelagic fishing</u> | <u>Bottomfish fishing</u> | <u>Reef fishing</u> |
| <input type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> Yes |
| <input type="checkbox"/> No | <input type="checkbox"/> No | <input type="checkbox"/> No |

49. In the last five (5) years, do you believe it has become... (please check one for each type of fishing)

- | | | |
|---|---|--|
| <u>Pelagic fish</u> | <u>Bottomfish</u> | <u>Reef fish</u> |
| <input type="checkbox"/> Easier to catch pelagic fish | <input type="checkbox"/> Easier to catch bottomfish | <input type="checkbox"/> Easier to catch reef fish |
| <input type="checkbox"/> Harder to catch pelagic fish | <input type="checkbox"/> Harder to catch bottomfish | <input type="checkbox"/> Harder to catch reef fish |
| <input type="checkbox"/> I don't target pelagic fish | <input type="checkbox"/> I don't target bottomfish | <input type="checkbox"/> I don't target reef fish |

50. What has made it easier or harder to catch fish?

51. If fishing in the Marianas should need management controls in the future, what kind of controls would you prefer? (please check all that you may support)

- Limited entry (active boats continue, restrictions on entry of other boats)
- Boat size limits
- Gear restrictions
- Seasonal closures
- Area closures
- Catch quotas
- Other (please specify) _____

Thank you for participating in this survey. The information you have provided will improve our understanding of the importance of fishing in the Marianas

Do you have any suggestions for how the Marianas' fisheries should be managed or topics that you feel need further study?

Are you interested in receiving a copy of the results from this study?

Yes Name: _____

Address: _____

(your contact information will be kept strictly confidential)

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

Yes Name: _____

Phone: _____ best time to reach you: _____

(your phone number will be kept strictly confidential)

Paperwork Reduction Act Statement. The information you provide will remain strictly confidential as required by section 402(b) of the Magnuson-Stevens and NOAA Administrative Order 216-100. Confidentiality of Fisheries Statistics, and 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 can not 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, 1601 Kapiolani Blvd, Suite 1110, Honolulu, HI 96814, 808-944-2188, 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.

**THANK YOU LETTER GIVEN TO RESPONDENT
AT CONCLUSION OF SURVEY**