

**PAPERWORK REDUCTION ACT
DOC/NOAA/NMFS SURVEY CLEARANCE FORM
Economic Surveys for U.S. Commercial Fisheries
OMB CONTROL NUMBER 0648-0369**

This form should be used if you are submitting a collection of information for approval under the NOAA customer survey clearance assigned OMB control number 0648-0369. E-mail this form, full Supporting Statement (including Part B), the collection instrument, and any additional documentation to:

Rita.Curtis@noaa.gov

If the collection does not satisfy the requirements of the program clearance, you should follow the regular PRA clearance procedures described in 5 CFR 1320.

NOAA Subagency _____

Title (Please be specific) _____

Burden Hour Estimates

Number of respondents _____

Total Burden Hours _____

Hours per response _____

Cumulative Burden Hours
under Program Clearance _____

Agency Contact (*person who can best answer questions about the content of the submission*)

Name _____

Phone _____

Certification: The collection of information requested by this submission meets the requirement of the OMB approval for OMB control number 0648-0369.

Signature of Program Official

Date

Signature of NOAA Paperwork Clearance Officer

Date

OIRA

Date

Hawai'i Small Boat Fishery Survey

Responses to Supplemental Questions for PRA Clearance

OMB Review of Individual Instruments

Project Title: Cost Earnings Study of Hawaii's Small Boat Fishery

Objective: Estimates of the Hawai'i small boat fishery's economic contribution to the state of Hawai'i are outdated, as an extensive economic analysis of the fishery has not been conducted in nearly a decade (Hamilton and Huffman, 1997). Therefore, the available economic data on the fishery are inadequate and the ability of fishery managers to design sound policy is hindered by this lack of understanding. This research attempts to update the current understanding of the economics of the Hawai'i small boat fishery to provide fishery managers with a more accurate portrayal of the fishery they are charged with managing.

1. The potential respondent universe and any sampling or other respondent selection method to be used and the expected response rate.

Potential Respondent Universe

The potential respondent universe consists of approximately 1,350 active troll and handline fishermen holding a State of Hawaii Commercial Marine License (CML). Based on a Hawaii state regulation, any fishermen who sells any of his/her catch is required to have a CML and file catch reports to the State. Active fishermen are defined as having purchased a commercial fishing license during 2006-2007. These fishermen who report to the state could be an owner of a fishing vessel or simply crew who fished in a commercial fishing vessel. There is uncertainty with regards to the number of active fishing vessels within the fishery. We expect that the number of active commercial troll and handline vessels is no greater than 1,350 (the approximate number of licensed fishermen). The majority of the sample will consist of individuals that trailer their boats, however, efforts will be made to intercept individuals with moored boats. Additionally, this study does not include charter vessels, as a majority of their income is not tied to the sale of fish.

Of the 1,350 active troll and handline fishermen holding a CML, approximately 40% are primarily recreational fishermen who occasionally sell fish to cover expenses. These fishermen were part of the sample population of the 2006, economic add-on to National Marine Fisheries Service (NMFS) and the State of Hawai'i Marine Recreational Fishing Statistical Survey (HMRFSS). The intent of this research is to collect economic data from the non-recreational sector of the Hawaii pelagic small boat fishery. The target population for this research is those small boat fishermen that identify themselves as full-time commercial fishermen as well as those individuals that self-identify themselves as part-time commercial fishermen. Therefore, our data coupled with the HMRFSS work, will present a complete picture of the economics of small boat fishing in the State of Hawai'i.

Eliminating the 40% of the CML holders who are recreational anglers from the survey population results in a potential respondent universe of non-recreational small boat fishermen of 810 (1,350*60%).

Expected Response Rate

The expected response rate for the intercept mode is approximately 75% with a target sample size of 608 (810*75%) completed and usable surveys.

2. Data collection procedures, including the statistical methodology for stratification and sample selection, the estimation procedures, the degree of accuracy needed for the intended purpose, expected dates of survey implementation, and any unusual problems requiring specialized sampling procedures.

Sampling will consist of intercepts at boat ramps across the state of Hawaii. It is the belief that in-person intercept interviews will arrive at the highest response rate due to previous work in the fishery. Hamilton and Huffman (1997)¹ initialized a mail-back instrument with a response rate of 11.9% while receiving a 77% response rate for in-person intercept interviews, while McConnell and Haab (2001)² received a response rate of 40% for a telephone survey of the fishery. Intercept surveys will be conducted for this research and will provide a random sample of trip costs in the fishery, and serve to replicate the methodology of Hamilton and Huffman (1997).

We intend to conduct a census of non-recreational small boat fishermen. Again, based on prior research in the fishery (Hamilton and Huffman, 1997) this is quite feasible using the intercept format. We will structure our sampling to ensure a high probability of intercepting non-recreational fishermen by conducting interviews during weekdays in the evenings, avoiding holidays and weekends (dominated by recreational fishing activity). The desired degree of accuracy, and corresponding desired response rate, depends upon the application for which the data is being used. A basic application of the survey data could be the inference of unobserved population mean values from the observed sample mean values. Given a population of 810 fishermen and assuming a margin of error of 5% and a confidence level of 95%, the minimum sample size is 266 vessels. This can be reached with a minimum response rate of 33%.

Three reasons can be identified for desiring higher response rates than those needed to support inference of population means from sample means. First, data from this survey may be used to develop a variety of economic models covering applications such as economic contributions of the fishery to the state economy, fishery participation, and the economic health of the fishery. In these applications, error will arise not only from how well the data used for model development represents the population, but also from model specification and estimation. Since it is not possible to completely avoid specification and estimation error in model development, there is good reason to desire a higher response rate and higher degree of accuracy in the data collection process. Second, future applications of the data may require further disaggregating the population into smaller groups according to factors such as gear types, motivation, or vessel size. Identification of all such future disaggregated data needs is not possible at the present time. A higher response and higher degree of accuracy in the current data collection process will facilitate such future population disaggregation. Additionally, Hamilton and Huffman (1997)

¹ Hamilton, Marcia S., and Stephen W. Huffman, Cost-Earnings Study of Hawaii's Small Boat Fishery, 1995-1996, 104 pp, University of Hawaii, Joint Institute for Marine and Atmospheric Research, 1000 Pope Road, Honolulu, HI 96822, 1997.

² McConnell, Kenneth E., and Timothy C. Haab, 2001. Small boat fishing in Hawaii: Choice and economic values. SOEST Publication 01-01, JIMAR Contribution 01-336, 62 pp.

obtained a sample of 629 fishermen (of which 562 surveys were complete and usable), so a comparable sample size for this research is desired. While a minimum response rate of 33% will support basic statistical inference regarding the entire population of active non-recreational small boat fishermen with State of Hawaii Commercial Marine Licenses, a higher response rate is desired for the above reasons.

Survey Fielding

Intercept surveying will be conducted at boat ramps across the state of Hawai'i. State and County managed small boat harbors on the Main Hawaiian Islands of Kaua'i, O'ahu, Moloka'i, Maui, Lana'i, and Hawai'i will be the survey sites. Due to the nature of the small boat fishery fleet (size of boats, etc.) and the geography of the Hawaiian Islands (rugged coastlines with high reef coverage), we can safely say that our target population exclusively uses the State and County managed small boat harbors to launch their boats.

Expected Dates of Survey Implementation

Preferred start date for conducting intercept survey is November 1, 2007 and will continue through November 1, 2008. The length of survey fielding is primarily to account for seasonal behavior as well as consideration for the time-intensive nature of in-person intercept interviewing.

3. The methods used to maximize response rates and address non-response. The accuracy and reliability of the information collected must be shown to be adequate for the intended uses.

Strategy to Maximize Response Rates

There are a number of reasons why a response rate of approximately 75% is anticipated for this survey. Hamilton and Huffman (1997) received a response rate of 77% during their intercept fieldwork on the small boat fishery fleet. In addition, intercept survey work on the domestic longline fishery by Hamilton, et. al (1996)³ and Pan, et. al (unpublished data 2007) has received response rates of 98% and 78% respectively. So we are confident of our estimated response rate in the field.

Extensive outreach activities will also help the response rate. Informing the fishermen about the purpose and need for the cost-earnings survey will be important to the success of the survey. Outreach will occur on a number of levels:

- Written materials: news articles in trade magazines such as Hawaii Fishing News and handouts made available at fishing supply stores. Written material will describe the purpose and need of the survey and how it will be administered.
- State Harbor Agents' and dockside interactions with fishermen.
- Informational web page on the Pacific Islands Fisheries Science Center web site.
- Informational materials promoting/detailing the survey will be provided at upcoming Western Pacific Regional Fishery Management Council meetings.

³ Hamilton, Marcia S., Rita E. Curtis and Michael D. Travis, 1996. Cost-earnings study of the Hawaii-based domestic longline fleet. *SOEST Publication 96-03, JIMAR Contribution 96-300*, 59 pp.

The role of the Harbor Agents will be to help the fishermen understand the purpose and need of the data collection program. The agents have been briefed on the details and logistics of the survey which will allow them to answer questions about the survey, why it is being administered, how data will be kept confidential, as well as the types of questions asked on the survey.

Strategy to Address Non-Response

This research is designed to arrive at a census of non-recreational small boat fishermen in the State of Hawai'i. However, in the chance that we miss a small portion of our population (say 10%) either due to our limited research period, or because our understanding about launching area usage proves incorrect (as noted in *Survey Fielding* section under Q2), or we simply missed individuals who are less active, we intend to conduct a follow-up survey by telephone to capture those we missed in the field. Our coverage is easily verified by comparing our sample to the state commercial license database. It will be clear if we missed any active full-time or part-time commercial fishermen (validated by catch reports), and their contact information is readily available.

We expect the follow-up telephone mode to arrive at approximately the same response rate as the intercept mode (75%), in large part due to the extensive outreach efforts that will be conducted as well as word of mouth. Using a telephone mode for follow-up is also advantageous as our instrument designed for intercepts will still be valid without the need for redesign. We will attempt to complete surveys with all members of the population we may have missed in the field, and at the very least (in the case of a refusal) obtain basic vessel characteristics, determine whether they may actually be recreational or no longer fishing, and understand why we missed them (using a private boat ramp, a boat ramp on which we didn't focus effort, or simply not very active, etc.).

A considerable amount of information is currently available about vessel characteristics and landings for the survey population. Information on the physical characteristics of each vessel is available from state and/or Coast Guard vessel registrations. State vessel registrations provide information on the vessels length. Coast Guard vessel registration provides information on vessel length and year built, amongst other things. Vessel physical characteristics will be examined to determine if any non-respondent bias exists regarding vessel length or age. Additionally, by examining the state CML landings reports we will be able to determine whether there is any systematic difference with respect to landings and vessel characteristics between respondents and non-respondents.

During the period of survey fielding from November 2007 to November 2008, the survey fielding effort will be relatively constant from week to week; with a pulse during the summer months (May – August) as it is the peak of fishing effort in the waters of the state of Hawai'i.

Accuracy of Data Collected

NMFS needs to measure the economic performance of Hawai'i small boat fishermen in order to meet legal and regulatory requirements, support fisheries management decision making, and

undertake economic research. Currently available cost earnings data is outdated (1995-1996 data) and does not meet these needs. This study will collect data that is needed to update measures of profitability, productivity, and economic impacts. In addition, this research will collect important behavioral information that has not been collected systematically before, such as travel cost information, the number of different boat ramps used by fishermen, and the social importance of their catch (as measured by percentage of catch consumed by their family and percentage of catch given away to friends and relatives). The data gathered and performance measures constructed will be used to address a wide range of issues.

We expect vessel characteristics, owner characteristics, per trip costs and behavior data to be quite accurate. Additionally, due to the high cost, durability, and relative simplicity of gear used, we expect these data to be quite accurate as well. Hamilton and Huffman (1997) provide extensive baseline information for the small boat fishery. However, we do expect less accuracy when collecting fixed costs such as major repairs and maintenance, landings, and sales information. Questions regarding the catch and sale of fish could be viewed as highly sensitive information which could reduce the quality of the data received at the time of the intercept. However, efforts will be made to re-contact individuals by phone (we expect to obtain a first name and telephone number from respondents at the conclusion of the survey – we also have this information in the State of Hawai'i commercial database) in an effort to validate the fixed cost, catch, and sales data received at the boat ramp. We estimate that we will re-contact roughly 20% of our completed surveys. We will attempt to call back approximately every fifth survey completed with a maximum of three attempts made. We estimate that each phone call will last at most 15 minutes. As we receive boat numbers at the time of intercept, we can also use the state commercial database to validate landings and use the dealer sales database to compare estimates of value of fish sold to those data received during the intercept survey.

While the data will be used to comply with legal and regulatory requirements, these requirements do not specify a level of data accuracy. Minimum target response sizes for each population stratum are based on the objective of having a sample mean within 5% of the population mean at the 95% confidence level. It is believed that this provides a sufficient level of precision for inference of population means from sample means. As explained in the response to question 2, even greater precision is highly desirable for other anticipated applications of the data.

4. How the survey instrument was developed, including the steps taken to validate the questionnaire design.

The survey instrument is very similar to the instrument developed and implemented by Hamilton and Huffman (1997) for consistency and to ensure our ability to accurately see how behavior, costs, and earnings have changed over the past decade. The survey has been reviewed and pre-tested with NMFS Pacific Islands Fisheries Science Center federal employees, many of whom work very closely with fishermen in our target population, and their comments are considered in the final survey format.

5. The reporting and use of the results of the survey

Use of Survey Results

There are legal and regulatory requirements for NMFS to measure the economic performance of commercial fisheries. This research will be used to assess the economic effects of fishery management regulations, such as the effects of regulations on harvesting costs and regional economies. Currently, available cost-earnings data for the Hawaii's small boat fishery are limited, with the most recent research being conducted in 1995-1996. Therefore, NMFS needs to update its understanding of the economics of the Hawaii small boat fishery in support of fisheries management decision making. The current study will support fisheries management decision making and allow for future economic research and analysis.

Reporting of Survey Results

Survey results will be reported through a series of studies prepared for the general fishing public and fisheries managers. It is anticipated that results may also be reported through, the administrative report of the Pacific Fisheries Science Center, academic publications, presentations at conferences, and technical guides. All reporting of survey results will conform to data confidentiality requirements. Qualified researchers with data access and confidentiality agreements will have access to raw data for performing analyses.

Information Quality Guidelines and Confidentiality

It is anticipated that the information collected will be disseminated to the public or used to support publicly disseminated information. As explained in the previous paragraphs, the information gathered has utility. NMFS will retain control over the information and safeguard it from improper access, modification, and destruction, consistent with National Oceanic and Atmospheric Administration (NOAA) standards for confidentiality, privacy, and electronic information. In particular, the data collected will be kept confidential as required by section 402(b) of the Magnuson-Stevens Act 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.

The information collection is designed to yield data that meet all applicable information quality guidelines. Prior to dissemination, the information will be subjected to quality control measures and a pre-dissemination review pursuant to Section 515 of Public Law 106-554.

6. Contact information for agency coordinator and principal investigator.

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NMFS Pacific Islands Fisheries Science Center
2570 Dole Street, Honolulu, HI 96822
(808) 983-5742
Justin.Hospital@noaa.gov

Minling Pan
NMFS Pacific Islands Fisheries S.C.
2570 Dole Street, Honolulu, HI 96822
(808) 983-5347
Minling.Pan@noaa.gov

7. Estimated burden and number of respondents

Completing the survey is expected to take at most 30 minutes per respondent (pre-tests have taken on average, between 15-20 minutes). As a result, the survey is expected to impose a total of 304 burden hours on the Hawaii small boat fishing fleet.

Total Target Population	810
Expected survey response rate of in-person intercepts and telephone follow-up	75%
Expected # survey respondents	608
Average burden hours/survey	30 minutes
Total in-person burden hours	304
Telephone calls to validate costs (approx. 20% of completed surveys, with 75% response (122*75%))	92
Average burden hours/phone call	15 minutes
Total telephone burden hours	23
Total annual burden hours	327

INTERCEPT AND TELEPHONE NON-RESPONSE FOLLOW UP SURVEY INSTRUMENT

(To be read prior to interview)

Aloha, we are conducting a survey to better understand the economics of Hawaii's non-recreational small boat fishery. It has been 10 years since we collected this information. 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 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 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?

Date: Boat Ramp:

1. About what time did you get your boat in the water today? _____

2. How many years have you fished in Hawaii? _____ yrs

3. We would like to know how you would define yourself as a fisherman. I will read off a list. You may give multiple responses if you like. Would you say that you are *(Check all that apply)*

- Full-time commercial ->Q3a
- Part-time commercial ->Q4
- Weekend Warrior ->Q4
- Recreational ->Q22a
- I fish primarily for food ->Q4
- Other (specify) _____->Q4

If full-time commercial:

3a. How many years have you fished commercially in Hawaii? _____ yrs

If full-time commercial:

3b. Did you previously fish commercially in another state?
 yes no

Observe: (most all will be trailered)

4. Is your boat? trailered moored

5. What is the length of this boat *(in feet)*? _____

6. Do you own this boat? yes ->Q7 no ->Q13

If own:

7. Do other people use this boat without you? *Read list*
 often sometimes rarely never

If own: (may get response that they built boat)

8. In what year did you purchase this boat? _____

If own: (if homebuilt – how much did it cost to build it)

9. How much did you pay to purchase this boat? \$ _____

If own:

10. In what year was this boat built? _____

If own:

11. Is the boat completely paid off? yes no

If own:

12. Did you take out a loan to pay for the boat?
 yes ->Q12a no ->Q13

If yes (if own):

12a. What was the original loan amount? _____

If yes to Q12: (If own)

12b. Have you taken out a second loan? yes no

In an effort to better understand your economic contribution to the state of Hawai'i we would like to ask about the annual costs you must incur to fish. Please remember that all your answers are strictly confidential

If don't own(Q6=NO) you won't get answers for all of these

13. In the past 12 months how much money did you spend on:

Boat insurance \$ _____

Loan payments on the boat *(if Q11 is no)* \$ _____

Bookkeeping/accounting costs \$ _____

Major upgrades and improvements to the boat *(electronics, engine, hull, safety equipment)* \$ _____

Maintenance/repair of the boat and trailer *(fuel tank replacement, engine repair, hull repair)* \$ _____

Gear *(rods, reels, gaffs, line, lures, coolers)* \$ _____

Fees *(license fees, ramp fees, registration, truck/trailer reg./safety, fishing club dues, dry dock fees, etc.)* \$ _____

Other \$ _____

← *mark if they mention a package deal (boat w/ gear, etc.)*

If own:

14. Over the life of the boat, not including last year, roughly how much has been spent for

Major upgrades and improvements to the boat \$ _____

Trailer and hitch \$ _____ *(tires, bearings)*

Truck \$ _____

Major gear currently used \$ _____

Electronics currently used \$ _____

Other *(ice maker, freezer, etc.)* \$ _____

If own:

15. Did you purchase any of these items out-of-state, or buy them online or through a mail order catalog and have them shipped to Hawaii? yes ->Q15a no ->Q16

If yes (if own)

15a. Roughly, what percentage of the above was purchased out-of-state either online, a mail order catalog, or shipped to Hawaii? _____%

16. Approximately how many trips did you take in this boat

Time:

Interviewer:

over the past 12 months, including nonfishing trips? _____

17. In the past 12 months, what percent of your trips were:

Nonfishing trips *(waterskiing, taking boat ride with family/friends, funeral)* _____%

Holoholo fishing for fun, but not selling fish _____%

Expense fishing trips where enough was sold to just cover your costs associated with fishing: _____%

Profit fishing trips where you sold fish to make money above and beyond your trips costs: _____%

Fishing for food: _____%

18. Fishermen in Hawaii use many gear types, we would like to know your most common gear usage. In the past 12 months, what percent of your fishing trips were:

Trolling _____%

Handline for bottomfish _____%

Reef fishing (diving/spearfishing) _____%

Akule/Opelu _____%

Palu ahi _____%

Ika shibi *(primarily big island)* _____%

Mixed gear (specify) _____%

Other gear *(aquarium fish collection, crabbing)* _____%

19. What was the primary gear type used today?

We now want to understand your per trip costs for fishing. Please remember that all your answers are strictly confidential

Questions 20, 22, 23, 33 refer to the most common and second most common trip types, these are based on the percentages given in response to Question 18

20a. How much money was spent on your trip today for:

Boat fuel \$ _____ / trip gas diesel

Truck fuel (round trip) \$ _____ / trip

Oil \$ _____ / trip

Ice \$ _____ / trip

Bait \$ _____ / trip

Food and beverage \$ _____ / trip

Daily maintenance and repair \$ _____ / trip

Any other costs (specify) _____

20b. What about for your last *<Second most common trip type>* trip

Boat fuel \$ _____ / trip gas diesel

Truck fuel \$ _____ / trip

Oil \$ _____ / trip

Ice \$ _____ / trip

Bait \$ _____ / trip

Food and beverage \$ _____ / trip

Daily maintenance and repair \$ _____ / trip

Any other costs (specify) _____

21. Do you normally share these costs with anyone?

yes ->Q21a no ->Q22a

if yes:

21a. Roughly, what percentage of these costs do you pay per trip? _____%

22a. What was the maximum distance from shore that you fished today? _____ miles

22b. On average how many miles away from shore did your boat fish today? _____ miles

22c. What about for your last *<Second most common trip type>* trip. What was the maximum distance from shore? _____ miles

22d. And the average distance from shore? _____ miles

23a. How many people in total, including yourself, were on board today? _____

23b. What about your last *<Second most common trip type>* trip, how many people were on board? _____

24. Do you always fish out of the same boat ramp?

yes -> Q25 no ->Q24a

If no:

24a. On average, how many different boat ramps do you use in a year? _____ ramps

If trailered: (most will be trailered)

25. On average, how far do you travel to launch your boat? _____ miles or _____ minutes

26. Roughly, how many total pounds of pelagic fish (*ahi, aku, ono, mahi, marlin*) were caught on all your boat's trips in the past 12 months? _____ lbs or _____ lbs/trip

27. Roughly, how many total pounds of non-pelagic fish (*bottomfish, akule/opelu, reef fish*) were caught on all your boat's trips in the past 12 months? _____ lbs or _____ lbs/trip

28. In the past 12 months, did you ever sell any of the fish you caught?
 yes ->Q29 no ->Q37

If yes:

29. When you sold your fish, did you consider yourself a commercial fisherman trying to make some income or were you just trying to cover trip costs?
 commercial covering costs both/depends get rid of it

If any catch is sold:

30. In the past 12 months roughly what % of the pelagic fish (*ahi, aku, ono, mahi, marlin*) you caught did you sell? ____%

If any catch is sold:

31. In the past 12 months roughly what percentage of the non-pelagic fish (*bottomfish, akule/opelu, reef fish*) you caught did you sell? ____%

32. Do you feel that you receive a fair price for the fish you sell?
 yes no sometimes don't know/other answer

If any of the catch was sold:

33a. Where did you sell your fish on your last <Most common trip type> trip *read list than get rough %*

- Auction (O'ahu) ____%
- Markets/stores ____%
- Restaurants/bars ____%
- Roadside sales ____%
- Friends/neighbors/coworkers ____%
- Other (specify) _____ %

33b. What about your last <Second most common trip type> trip

- Auction (O'ahu) ____%
- Markets/stores ____%
- Restaurants/bars ____%
- Roadside sales ____%
- Friends/neighbors/coworkers ____%
- Other (specify) _____ %

If any of the catch was sold:

34. Do you always sell your fish to the same place? yes no

If any of the catch was sold:

35. In the past 12 months, how much did your boat gross, before expenses, from selling fish? \$ _____

If any of the catch was sold:

36. In the past 12 months, after expenses, what percent of your personal income, before taxes, came from fishing? ____%

37. On average, what percentage of the fish you catch do you and your family consume? ____%

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

39. Do you ever give away any of the fish you catch?
 yes ->Q39a no ->Q40

If any of the catch was given away:

39a. What percentage of the fish you catch do you give away to friends or relatives (not immediate family)? ____%

40. Do you keep a daily log of catch, expenses, and/or fishing activity?
 yes no

If own:

41. If you were to stop fishing, would you sell your boat?
 yes no don't know refused to answer

Lastly we would like to get some demographic information from you

42. What is the zip code where you live? _____

43. (Observe) gender M F

44. How would you describe your race (*select one or more*)? ____
1. American Indian or Alaska Native
2. Asian
3. Black or African American
4. Native Hawaiian or Other Pacific Islander
5. White

45. How would you describe your ethnicity? _____
1. Hispanic or Latino
2. Not Hispanic or Latino

46. What is your age? _____
1. Less than 25 years

2. 25 to 34 years
3. 35 to 44 years
4. 45 to 54 years
5. 55 to 64 years
6. more than 64 years

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

- _____ **[show card A]**
1. Less than high school
 2. Some High school
 3. GED
 4. High school graduate
 5. Some college
 6. Apprentice School
 7. Associates Degree
 8. Bachelors Degree
 9. Some graduate education
 10. Masters or PhD
 11. Professional Degree

If not fulltime commercial fisherman (Q3):

48. Are you currently employed? *Read list*

1. Full-time ->Q48a
2. Part-time ->Q48a
3. Retired ->Q49
4. Unemployed ->Q49
5. Other (specify) _____ ->Q48a

If employed fulltime/partime (not fulltime commercial fisherman):

48a. In the past 12 months, did you ever take time off without pay to fish?

- yes no

49. Do you currently have a commercial marine license?
 yes no used to, but not now

50. What was your total household income, before taxes, in 2006, including fishing income? **[show card B] HOUSEHOLD not personal (unless single), try to get a figure, but if hesitating or reluctant offer categories show card**
\$ _____

1. Less than \$10,000
2. \$10,000 to \$14,999
3. \$15,000 to \$24,999
4. \$25,000 to \$34,999
5. \$35,000 to \$49,999
6. \$50,000 to \$74,999
7. \$75,000 to \$99,999
8. \$100,000 to \$149,999
9. \$150,000 to \$199,999
10. more than \$200,000

If any of catch was sold:

51. What percentage of your total household's income, before taxes, in 2006 was from fishing? _____% **HOUSEHOLD not personal (unless single - asked personal earlier)**

52. What's the best way to get the results of this study back to you?

TIME COMPLETED:

53. Do you have any suggestions concerning how Hawaii's fisheries should be managed or topics which need further study?
 yes no

Comments

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 30 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, National Marine Fisheries Service, 2570 Dole St., Honolulu, HI 96822, (808) 983-5742, 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.

**RESPONDENT CONTACT INFORMATION
COLLECTION FORM
(AT CONCLUSION OF SURVEY)**

Could I just have your first name only and a telephone number, in case my office wants to make sure I talked with you? Mahalo for your help

Name _____ Telephone: _____

*****Give out thank you letter*****

Mahalo for your participation in this study.

The information you provided will prove vital to an accurate representation of the small boat fishery's contribution to the economy of Hawaii. If you have any questions or are interested in further information regarding this study, or small boat fishery management in general, feel free to contact us. If you are interested in the results of this study please provide a contact address. If you prefer an electronic version of the study results be sure to leave an email address. This information will be kept separate from your survey responses to ensure confidentiality.

Address for study results:

	Full Report	Summary Report	Electronic*
Check desired format(s):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* - Be sure to leave email address if you are interested in electronic version.

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

Dear Hawai'i Small Boat Fisher,

Mahalo for your participation in the 2007 Hawai'i small boat study. The study has two primary objectives: first and foremost is to collect updated information on the economics of Hawai'i small boat fishing; and the second aim is to explore your motivations for fishing and your attitudes and perceptions towards current issues in the fishery and fishery management.

The information that you provided to us will be extremely valuable in arriving at an accurate portrayal of the economics of the Hawai'i small boat fishery as well as estimating the contribution that small boat fishing has to the state of Hawai'i. Analyzed data will be aggregated by various characteristics and will not reveal individual vessel information. **All your answers will be held in strict confidentiality.** For details on confidentiality and public burden requirements please see the Paperwork Reduction Act statement below*. Please contact Justin Hospital, at (808) 983-5742, if you have any questions or concerns pertaining to the study or would like to obtain a copy of the results of this study.

Your kokua is greatly appreciated.

Sincerely,

Justin Hospital, Economist
National Marine Fisheries Service
Pacific Islands Fisheries Science Center
2570 Dole Street
Honolulu, HI 96822
(808) 983-5742
Justin.Hospital@noaa.gov

* *Paperwork Reduction Act Statement.* 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. 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 30 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, National Marine Fisheries Service, 2570 Dole St., Honolulu, HI 96822, (808) 983-5742, Justin.Hospital@noaa.gov