

*Hello, please help us (NOAA) to better understand the importance of small boat fishing in Hawaii. We want to best represent Hawaii fishermen and we can only do that by hearing from as many fishermen as possible. Your details of fishing experiences and expenditures are important to ensure accurate results. While your response is voluntary, we hope that you will help us with this research.*

*We appreciate the confidential nature of the data being collected by this survey. NOAA's National Marine Fisheries Service (NMFS) will handle individual survey data as confidential business information and a form of protected personal information and will maintain the confidentiality of the information consistent with legal authorities available to it, including but not limited to the Privacy Act (5 U.S.C. Section 552a) and the Trade Secrets Act (18 U.S.C. Section 1905). NMFS will protect individual survey data from public disclosure to the extent permitted by law and it has instituted procedures to provide that protection.*

## SECTION A. YOUR FISHING EXPERIENCES

*Different fishermen in Hawaii had different fishing experiences over 2019.  
Please tell us about yours.*

### 1. What type of fishing trips did you take in 2019?

- I went fishing using a boat only —————→ Go to Q2
- I went fishing sometimes using a boat and sometimes not using a boat —————→ Go to Q2
- I went fishing not using a boat —————→ Go to Q5

### 2. Approximately how many **BOAT** fishing trips did you take in 2019? \_\_\_\_\_ trips

*(If not sure, please provide answer below):*

- 0
- Fewer than 12 trips (once every month or less)
- 12 – 24 trips (once every other week)
- 25 – 49 trips (once a week)
- 50 – 99 trips (once or twice a week)
- 100 – 200 trips (two or three times a week) or more



7. If you went spearfishing in 2019, what percent of the time did you use scuba gear and what percent of the time did you free dive?

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

8. In 2019, what percent of your fishing time occurred in state and federal jurisdiction?

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
State waters (0-3nm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal waters (greater than 3nm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

10. In 2019, approximately how many total pounds of **pelagic fish** (tuna, marlin, mahimahi, ono, etc., here **excluding** akule and opelu) did you catch?

<input type="checkbox"/> None	<input type="checkbox"/> 101 – 500 pounds
<input type="checkbox"/> 1 – 50 pounds	<input type="checkbox"/> 501 – 1000 pounds
<input type="checkbox"/> 51 – 100 pounds	<input type="checkbox"/> More than 1000 pounds → About how much? _____ pounds

11. In 2019, approximately how many total pounds of **deep 7 bottomfish** (opakapaka, onaga, ehu, etc.) did you catch?

<input type="checkbox"/> None	<input type="checkbox"/> 101 – 500 pounds
<input type="checkbox"/> 1 – 50 pounds	<input type="checkbox"/> 501 – 1000 pounds
<input type="checkbox"/> 51 – 100 pounds	<input type="checkbox"/> More than 1000 pounds → About how much? _____ pounds

12. In 2019, approximately how many total pounds of **shallow bottomfish** (uku, ulua, etc.) did you catch?

<input type="checkbox"/> None	<input type="checkbox"/> 101 – 500 pounds
<input type="checkbox"/> 1 – 50 pounds	<input type="checkbox"/> 501 – 1000 pounds
<input type="checkbox"/> 51 – 100 pounds	<input type="checkbox"/> More than 1000 pounds → About how much? _____ pounds

13. In 2019, approximately how many total pounds of **nearshore and reef fish** (manini, uhu, weke ula, etc., here **including** akule and opelu) did you catch?

<input type="checkbox"/> None	<input type="checkbox"/> 101 – 500 pounds
<input type="checkbox"/> 1 – 50 pounds	<input type="checkbox"/> 501 – 1000 pounds
<input type="checkbox"/> 51 – 100 pounds	<input type="checkbox"/> More than 1000 pounds → About how much? _____ pounds

14. In 2019, during what percent of your fishing trips did you fish at/visit 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14a. In 2019, please estimate the percentage of your total fishing time that you fished at/around 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SECTION B. MARKET PARTICIPATION

15. What is your primary motivation for fishing? (if multiple applies to you, put 1 as primary, 2 as secondary, and 3 as tertiary)

- 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: \_\_\_\_\_

16. In 2019, how was the catch distributed among fishermen in a fishing trip? (please check one and estimate percentage)

- |  |  |
|--|--|
| <input type="checkbox"/> I kept all the fish I caught (for sale/given away/<br>self-consumption) | <input type="checkbox"/> Don't know/different every time |
| <input type="checkbox"/> I kept/received ____% of total fish caught                              | <input type="checkbox"/> Other, please describe: _____   |
| <input type="checkbox"/> I kept/received ____% of trip revenue                                   |  |

**17. In 2019, what percent of your catch was:**

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Consumed at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Given away	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caught and released	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**18. In 2019, did you ever sell any of the fish you caught?**

- Yes → Q19  
 No → Q23

*If you sold any of your fish...*

**19. In 2019, where did you sell your fish? (check all that apply)**

	None (0%)	Very little (1%-9%)	Some (10%-39%)	About half (40%-59%)	Most (60%-89%)	Almost all (90%-100%)
Wholesaler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Restaurants/stores	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roadside/farmers' market	<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"/>
Other, please specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*If you sold any of your fish...*

**20. In 2019, what was the approximate value of all the fish you sold?**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> \$1 - \$100     | <input type="checkbox"/> \$1,001 - \$2,000  | <input type="checkbox"/> \$10,001 - \$20,000         |
| <input type="checkbox"/> \$101 - \$500   | <input type="checkbox"/> \$2,001 - \$5,000  | <input type="checkbox"/> \$20,001 - \$50,000         |
| <input type="checkbox"/> \$501 - \$1,000 | <input type="checkbox"/> \$5,001 - \$10,000 | <input type="checkbox"/> More than \$50,000, specify |
|  |   | \$ _____   |



25. What is the length of your boat? \_\_\_\_\_ feet
26. What is the total horsepower? \_\_\_\_\_ hp
27. In what year was the boat built? \_\_\_\_\_
28. In what year did you purchase the boat you fish on? \_\_\_\_\_  
*(If homebuilt - when did you complete it?)*
29. How much did you pay to purchase the boat you fish on? \$ \_\_\_\_\_  
*(If homebuilt – how much did it cost to build it?)*
30. What is the approximate market value of your boat?  
 (considering age and current condition and including motor(s) and trailer) \$ \_\_\_\_\_
31. Please enter the year in which you made any major improvements to your vessel \_\_\_\_\_

**SECTION D. YOUR FISHING TRIP COSTS**

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

32. In 2019, what was the primary gear usage for your most common trip (please check one)?
- |  |   |
|--|---|
| <input type="checkbox"/> Trolling                                | <input type="checkbox"/> Handline/rod and reel for shallow bottomfish (uku, ulua, etc.) |
| <input type="checkbox"/> Dead bait/live bait for pelagic species | <input type="checkbox"/> Spearfishing   |
| <input type="checkbox"/> Handline for deep 7 bottomfish          | <input type="checkbox"/> Other gear (net, etc.), specify _____                          |

32a. On average per trip, how much money did you spend on your most common (question 32) gear type trip?

<u>Type of Expenditure</u>	<u>Trip Expenditure</u>	<u>Amount</u>
Boat fuel	\$ _____	_____ gallons
Truck fuel (round-trip)	\$ _____	_____ gallons
Oil	\$ _____	
Ice	\$ _____	_____ lbs
Bait	\$ _____	_____ case(s)
Food and beverage	\$ _____	
Daily maintenance and repair	\$ _____	
Gear lost	\$ _____	
Other, please specify:		
_____	\$ _____	

**32b.** How were the trip costs distributed among your most common gear type (question 32)? (please check one and estimate percentage)

- I paid all trip costs
- I paid a fixed amount of \$ \_\_\_\_\_
- I paid \_\_\_\_\_ % of the total trip costs
- Other, please describe: \_\_\_\_\_

**33.** In 2019, what was your second most common gear usage (please check one)?

- Trolling
- Handline/rod and reel for shallow bottomfish (uku, ulua, etc.)
- Dead bait/live bait for pelagic species
- Spearfishing
- Handline for deep 7 bottomfish
- Other gear (net, etc.), specify \_\_\_\_\_

**33a.** On average per trip, how much money did you spend on your second most common (question 33) gear type trip?

<b><u>Type of Expenditure</u></b>	<b><u>Trip Expenditure</u></b>	<b><u>Amount</u></b>
Boat fuel	\$ _____	_____ gallons
Truck fuel (round-trip)	\$ _____	_____ gallons
Oil	\$ _____	
Ice	\$ _____	_____ lbs
Bait	\$ _____	_____ case(s)
Food and beverage	\$ _____	
Daily maintenance and repair	\$ _____	
Gear lost	\$ _____	
Other, please specify: _____	\$ _____	

**33b.** How were the trip costs distributed among your second most common gear type (question 33)? (please check one and estimate percentage)

- I paid all trip costs
- I paid a fixed amount of \$ \_\_\_\_\_
- I paid \_\_\_\_\_ % of the total trip costs
- Other, please describe: \_\_\_\_\_

## SECTION E. 2019 FISHING EXPENDITURES

*In an effort to better understand your economic contribution to the State of Hawaii's economy, we would like to ask about your fishing-related expenditures in 2019. In the table below please indicate how much, if any, was spent on the following items during 2019.*

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

34.

<b><u>Cost Category</u></b>	<b><u>2019 Expenditure</u></b> <b><u>(dollars)</u></b>
Boat insurance	\$ _____ <input type="checkbox"/> per month <input type="checkbox"/> per year
Loan payments	\$ _____ <input type="checkbox"/> per month <input type="checkbox"/> per year
Mooring fees	\$ _____ <input type="checkbox"/> per month <input type="checkbox"/> per year
Gear replacement/repair from wear and tear (lines, lures, gaffs, rods, electric/hydraulic reels, spears, wetsuits, coolers, safety equipment, etc.)	\$ _____
Annual boat and trailer repair, maintenance, and improvements (exclude daily expenses)	\$ _____
Fees (CML, non-commercial permit ramp, registration for truck and trailer, safety, dry dock fees, etc.)	\$ _____
Financial services	\$ _____
Other, please specify: _____	\$ _____

## 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.*

### 35. What is your gender?

- Male  
 Female

### 36. What is your age?

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

### 37. What is the zip code where you live? \_\_\_\_\_

### 38. Are you Hispanic or Latino?

- Yes, Hispanic or Latino  
 No, not Hispanic or Latino

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

- American Indian or Alaska Native  
 Asian  
 Black or African American  
 Native Hawaiian  
 Other Pacific Islander (specify) \_\_\_\_\_  
 White

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

- Less than 9<sup>th</sup> grade  
 Some high school (no diploma)  
 High school graduate (including GED)  
 Some college (no degree)  
 Associates degree or technical school  
 College graduate (bachelor degree)  
 Advanced, professional, or doctoral degree

### 41. What was your total household income, before taxes, in 2019, including fishing income?

- Less than \$10,000  
 \$10,000 to \$24,999  
 \$25,000 to \$49,999  
 \$50,000 to \$99,999  
 \$100,000 to \$249,999  
 \$250,000 or more

**SECTION G. WHAT DO YOU THINK?**

42. Given your experience, do you think in the next year more people will be going ... (please check one for each)

Pelagic Fishing

- Yes  
 No

Deep 7 Bottomfish Fishing

- Yes  
 No

Shallow Bottomfish Fishing

- Yes  
 No

Nearshore and Reef Fishing

- Yes  
 No

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

44. What are the top three (3) species you target ...

	1	2	3
To sell?			
To keep for self-consumption?			
To give away?			

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

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
As someone who fishes I am respected by the community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fishing is an important part of who I am	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fishing is an important part of my culture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

46. How important are the following for managing fisheries in Hawaii?

	Not at all Important	Slightly Important	Moderately Important	Very Important	Extremely Important
Rules are followed and enforced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My voice is included in decision making	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers know how many fish there are	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers know how healthy the reef / other habitats are	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers know about the fisher(men) and fishing community (income, culture, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers build or maintain fisheries infrastructure (boat ramps, harbors, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Rules are followed and enforced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My voice is included in decision making	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers know how many fish there are	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers know how healthy the reef / other habitats are	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers know about the fisher(men) and fishing community (income, culture, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Managers build or maintain fisheries infrastructure (boat ramps, harbors, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**48. Do you have any suggestions for how Hawaii's fisheries should be managed or topics that you feel need further study?**

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**49. How have you changed your fishing activities due to COVID-19?**

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**50. What are the main reasons you made those changes?**

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# *Mahalo for participating in this survey.*

*Please use the enclosed postage paid return envelope to mail back your survey.*

*The information you have provided will improve our understanding of the importance of fishing in Hawaii.*

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

- a. YES
- b. NO

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Email address: \_\_\_\_\_

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

YES Phone: \_\_\_\_\_ best time to contact you: \_\_\_\_\_  
(your phone number will be kept strictly confidential)

NO

Paperwork Reduction Act Statement. NOAA's National Marine Fisheries Service (NMFS) is collecting this economic information to improve its ability to conduct the analyses required by the Magnuson-Stevens Fishery Conservation and Management Act (MSA) and other applicable law. NMFS and the Regional Fishery Management Councils will use this information to monitor, explain and predict changes in the economic performance and impacts of commercial fisheries. Among other things, this will enable fisheries managers and the public to more fully consider the economic effects of proposed and existing regulations for federally managed fisheries.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0648-0773 and its expiration date is XX/XX/2023. Without this approval, we could not conduct this information collection. Public reporting for this information collection is estimated to be approximately 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the NOAA Fisheries at: 1845 Wasp Blvd., Building 176, Honolulu, HI 96818, Attn: Justin Hospital, and Justin.Hospital@noaa.gov if desired.