

# 2006 Hawaii Saltwater Fishing Expenditure Survey



How much do you spend on saltwater recreational fishing?

*Your response is important!*



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National Marine Fisheries Service

Questions? E-mail [Brad.Gentner@noaa.gov](mailto:Brad.Gentner@noaa.gov)

## Section A: Your Sport Fishing Activities

In this section we ask you about saltwater fishing trips in general. A **fishing trip** is defined as any portion of a day spent fishing. **Saltwater** is defined as the open ocean or any portion of a bay, sound, or river that is saltwater or brackish water. Except when asked, please do not include any information for other household members or other fishing party members. When completing the questionnaire please print clearly.

**A1** How many years have you been saltwater recreational fishing?

\_\_\_\_\_ # of Years

**A2** During the past two months, how many days have you spent fishing in saltwater and freshwater (please count partial days as full days)?

\_\_\_\_\_ # of Days Saltwater      \_\_\_\_\_ # of Days Freshwater

**A3** During the past two months, how many saltwater fishing trips have you taken from:

\_\_\_\_\_ Beach or bank      \_\_\_\_\_ Privately owned boat  
\_\_\_\_\_ Pier, bridge, dock or jetty      \_\_\_\_\_ Charter, party, or head boat

**A4** During the past year (last 12 months), how many days have you spent saltwater fishing in the following states? Please count partial days as full days.

_____ Alabama	_____ Alaska	_____ California	_____ Connecticut
_____ Delaware	_____ Florida	_____ Georgia	_____ Hawaii
_____ Louisiana	_____ Maine	_____ Maryland	_____ Massachusetts
_____ Mississippi	_____ New Hampshire	_____ New Jersey	_____ New York
_____ North Carolina	_____ Oregon	_____ Rhode Island	_____ South Carolina
_____ Texas	_____ Virginia	_____ Washington	
_____ Other (please specify, including foreign countries: _____)			

**A5** Do you ever sell any of the fish you catch?

Yes

No

➔ **Please skip to question A8 on the next page**

**a** What percentage of your fishing trips last year were purely for recreation, where you sold none of your catch? \_\_\_\_\_ %

**b** When you sell your fish, do you consider yourself a commercial fisherman, trying to make some income, or do you sell only to cover your trip costs?

Make income

Cover trip costs only

➔ **Please skip to the next question A6**

**1** Do you consider yourself a full-time commercial fisherman?

No, part-time commercial

Yes, full-time commercial

➔ **Please skip to Section D on page 14**

**A6** I could not afford to keep my boat or pay for fishing expenses without being able to sell some fish.

Strongly agree

Agree

Disagree

Strongly disagree

Don't know

**A7** How much money did you make selling fish from your most recent trip?

\$ \_\_\_\_\_ .00



**A8** Fishermen in Hawaii go fishing for many reasons. When you go fishing, how common are each of the following types of trips?

	All of my fishing trips	Most of my fishing trips	Some of my fishing trips	None of my fishing trips
Holoholo fishing corresponds to recreational fishing, where a good day can have many components, including just getting away, being out on the water, spending time with friends or family, and catching some fish.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kaukau fishing corresponds to subsistence fishing for food, either for yourself and family, or for sharing the fish with others, but not selling the fish.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expense fishing, also called recreational expense fishing, involves selling enough of the catch to cover costs associated with fishing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Profit fishing, or commercial fishing, is done to provide or supplement one's income, part-time or full-time.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trophy fishing, where the goal is to catch a fish of a trophy size.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



**A9** How many fishing tournaments do you normally participate in annually?

- None                       3 - 5  
 1-2                               6 or more



**A10** What are your preferences for catching the following pelagic fish? Please mark only one choice for each species.

Pelagic Species	Always Desirable	Usually Desirable	Sometimes Desirable	Rarely or Never Desirable
Blue marlin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other billfish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mahi mahi	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ono	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Yellowfin tuna	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bigeye tuna	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other _____ _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The next two questions ask specifically about blue marlin; please answer even if you do not target or have not caught a blue marlin.

**A11** Have you ever caught a blue marlin?  
 Yes     No     **Please skip to question A12**

**a** How many blue marlin have you caught?  
 \_\_\_\_\_ Number of blue marlin

**b** What was the biggest marlin you ever caught?  
 \_\_\_\_\_ Number of pounds

**A12** Some fishermen regularly release blue marlins even though they are not required to, while other fishermen keep blue marlins, or keep them under some circumstances. How do you feel about each of the following statements about the blue marlin caught in Hawaii?

	Strongly Agree	Agree	Feel Neutral	Strongly Disagree	Not Applicable
Anglers should release all blue marlin	<input type="radio"/>				
Anglers should be able to keep trophy-sized blue marlins	<input type="radio"/>				
A high proportion of blue marlins caught will die if released	<input type="radio"/>				
Blue marlins should be kept only if they look like they are going to die if released	<input type="radio"/>				
It's important to tag and release blue marlins to increase our knowledge	<input type="radio"/>				
I have released blue marlin(s) to save ice for more desirable species	<input type="radio"/>				
I have released blue marlin(s) because they were too big to deal with	<input type="radio"/>				
Anglers should release blue marlins over 300 pounds because they are apt to be breeding females	<input type="radio"/>				

## Section B: Tackle, Equipment and Durable Fishing Expenditures

In this section we want to know about your expenditures on fishing tackle, related equipment, and large durable items like boats, vehicles and vacation homes purchased during the last year, defined as the previous 12 months. Please keep the following in mind when answering these questions:

- **We are looking for your personal expenditures.** If you shared the purchase of an item, please only give us the amount you personally paid.
- **We are interested in items used for saltwater recreational fishing.** Many of these items have multiple uses. Please indicate the percent of time the item was used for saltwater recreational fishing.
- **We are interested in where the items were purchased.** For tackle and equipment purchases made during the past 12 months please indicate the percent purchased in Hawaii, and for the large durable items you purchased please indicate the state where the expenditure was made.
- **Please round all expenditures to the nearest dollar.**

**B1** During the last 12 months, did you spend any money on fishing tackle or fishing gear?  
 Yes       No      **Please skip to question B2 on the next page**

Approximately how much money have you **PERSONALLY** spent on the following items of fishing tackle in the last **12 months**? Please indicate the percentage purchased in Hawaii and the percentage of each category used for saltwater fishing.

Type of Expenditure	Personal Expenditure	%Purchased In Hawaii (0% - 100%)	%Used for Saltwater Fishing (0% - 100%)?
Rods, poles, reels, spear guns, and components for rodmaking	\$ _____ .00	_____ %	_____ %
Tackle (lures, hooks, leaders, sinkers, flies and fly tying supplies, fishing line, etc.)	\$ _____ .00	_____ %	_____ %
Gear (tackle boxes, nets, bait containers, knives, gaffs, dive floats etc.)	\$ _____ .00	_____ %	_____ %

**B2** Approximately how much money have you **PERSONALLY** spent on the following items in the last **12 months**? Some of these items have multiple uses other than saltwater fishing. Please indicate the percentage purchased in Hawaii and the percentage of time the equipment was used for saltwater recreational fishing.

Type of Expenditure	Personal Expenditure	% Purchased In Hawaii (0% - 100%)	% Used for Saltwater Fishing (0% - 100%)
Camping equipment (sleeping bags, packs, tents, etc.)	\$ _____ .00	_____ %	_____ %
Special saltwater fishing clothing (foul weather gear, boots, waders, masks, wetsuits, etc.)	\$ _____ .00	_____ %	_____ %
Binoculars, field glasses, etc.	\$ _____ .00	_____ %	_____ %
Magazine, newspaper, and electronic subscriptions devoted to saltwater recreational fishing	\$ _____ .00		
Processing or taxidermy fees	\$ _____ .00	_____ %	_____ %
Dues or contributions to national, state, or local recreational fishing clubs or organizations	\$ _____ .00	_____ %	_____ %
Saltwater licenses or fees	\$ _____ .00		
Other (please specify): _____ _____	\$ _____ .00	_____ %	_____ %

**B3** Do you personally own one or more boats that are ever used for saltwater recreational fishing?

Yes

No



**Please skip to question B4 on the next page**

**B3.a** Approximately what percentage of the time are your boats used for saltwater recreational fishing?

\_\_\_\_\_ %

**B3.b** How long is the boat you use most often for saltwater recreational fishing?

\_\_\_\_\_ Feet

**B3.c** Is the boat you use most often motorized?

Yes \_\_\_\_\_ Horsepower

No

**B3.d** Approximately how much money have you **PERSONALLY** spent on boats and boating accessories in the last **12 months**? Please indicate the state where the expenditure was made, indicate if the item was financed, indicate whether the purchase was new or used, and indicate whether the purchase was from a broker/dealer or private party.

Type of Expenditure	Personal Expenditure	State Where Expenditure Occurred	Purchase Financed Yes or No? (check one)	Purchased New or Used? (check one)	Purchased from a Broker/Dealer or Private Party? (check one)
Motor boat and accessories purchased with the boat	\$_____ .00	_____	Yes <input type="checkbox"/> No <input type="checkbox"/>	New <input type="checkbox"/> Used <input type="checkbox"/>	Broker/Dealer <input type="checkbox"/> Private Party <input type="checkbox"/>
Non-motorized boat (canoe, kayak)	\$_____ .00	_____	Yes <input type="checkbox"/> No <input type="checkbox"/>	New <input type="checkbox"/> Used <input type="checkbox"/>	Broker/Dealer <input type="checkbox"/> Private Party <input type="checkbox"/>
Boat accessories purchased separate from boat	\$_____ .00	_____	Yes <input type="checkbox"/> No <input type="checkbox"/>	New <input type="checkbox"/> Used <input type="checkbox"/>	Broker/Dealer <input type="checkbox"/> Private Party <input type="checkbox"/>
Boat mooring/storage	\$_____ .00	_____			
Boat/trailer maintenance	\$_____ .00	_____			
Boat /trailer license and registration	\$_____ .00	_____			
Boat insurance	\$_____ .00	_____			

**B4** Do you own a vehicle (truck, beach buggy, motorhome or RV, travel trailer, all terrain vehicle or ATV, truck camper, etc.) that is ever used for saltwater recreational fishing?

Yes  
↓

No



Please skip to question B5 on the next page

**B4.a** Approximately what percentage of the time do you use this vehicle for recreational saltwater fishing?

\_\_\_\_\_ %

**B4.b** Approximately how much money have you **PERSONALLY** spent on your vehicle used for saltwater recreational fishing in the last **12 months**? Please indicate the state where the expenditure was made, indicate if the item was financed, indicate whether the purchase was new or used, and indicate whether the purchase was made from a dealer or a private party.

Type of Expenditure	Personal Expenditure	State Where Expenditure Occurred	Financed Yes or No? (check one)	New or Used? (check one)	Broker/ Dealer or Private Party? (check one)
Purchase of a vehicle (truck, beach buggy, motorhome or RV, travel trailer, all terrain vehicle or ATV, etc.) used for saltwater recreational fishing	\$ _____ .00	_____	Yes <input type="checkbox"/> No <input type="checkbox"/>	New <input type="checkbox"/> Used <input type="checkbox"/>	Broker/Dealer <input type="checkbox"/> Private Party <input type="checkbox"/>
Repair and maintenance for vehicles used for saltwater recreational fishing	\$ _____ .00	_____			
Insurance for vehicles used for saltwater recreational fishing	\$ _____ .00	_____			

**B5** Do you own a cabin or second home that is ever used for saltwater recreational fishing?

Yes  
↓

No



**Please continue with section C on the next page**

**B5.a** Approximately what percentage of the time do you use this second home for recreational saltwater fishing?

\_\_\_\_\_ %

**B5.b** In which state is your second home located?

\_\_\_\_\_

**B5.c** Approximately how much money have you **PERSONALLY** spent on your cabin or second home that you use for saltwater recreational fishing in the last **12 months**? Please indicate if the item was financed, indicate whether the purchase was new or used, and indicate whether the purchase was made from a real estate agent or a private party.

Type of Expenditure	Personal Expenditure	Financed Yes or No? (check one)	New or Used? (check one)	Real Estate Agent or Homeowner? (check one)
Purchase of a cabin or second home used for saltwater recreational fishing	\$_____ .00	Yes <input type="checkbox"/> No <input type="checkbox"/>	New <input type="checkbox"/> Used <input type="checkbox"/>	Real Estate Agent <input type="checkbox"/> Homeowner <input type="checkbox"/>
Repair, and maintenance for homes used for saltwater recreational fishing	\$_____ .00			
Insurance for homes used for saltwater recreational fishing	\$_____ .00			

## Section C: Your Preferences for Pelagic Fishing Trips

In this section we want to know about your preferences for different types of saltwater fishing trips. Consider each trip to take place where you normally launch your boat. Each question will ask you to compare two full-day fishing trips that will vary in the following ways: the season the trip is taken; what you expect to catch; and what the trip would cost you personally.

- **Your expected catch:** Your expected catch is the total number and weight of the fish you expect to catch on the given full-day fishing trip. The average weight is the weight before cleaning or filleting.
- **Other Pelagic Catch:** Includes catch of pelagic fish other than blue marlin or large ahi (over 50 pounds), including mahi mahi, ono, spearfish, striped marlin, small tunas (under 50 pounds), etc.
- **Fishing cost per day:** The cost per day is your personal share of the trip cost including bait, ice, tackle, boat fuel, food, and beverages, vehicle fuel, and related expenses.

**C1** Imagine that you have the choice between two pelagic fishing trips (Choice A or Choice B) or not taking either trip (Choice C). After you have compared the trips, answer the five questions below the table.

		Choice A	Choice B	Choice C
Blue Marlin	Your expected catch (weight per fish)	No blue marlin hooked but saw a blue marlin in the spread	No blue marlin hooked but saw a blue marlin in the spread	Choose something other than a day of pelagic fishing.
Ahi	Your expected catch (weight per fish)	2 (50 lbs.)	None	
Other Pelagic Catch	Your expected catch (total weight of other fish caught)	None	None	
Season	Time of year the trip occurs	Summer	Summer	
Cost	Fishing Cost per Day (per person)	\$150	\$100	

1 In the above table, which choice do you **MOST** prefer?  
(select only one)

Choice A <input type="checkbox"/>	Choice B <input type="checkbox"/>	Choice C <input type="checkbox"/>
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2 If your **most preferred** option was the only pelagic fishing trip available to you during the specified season, how many trips would you take?

\_\_\_\_\_ Number of Trips

3 In the above table, which choice do you **LEAST** prefer?  
(select only one)

Choice A <input type="checkbox"/>	Choice B <input type="checkbox"/>	Choice C <input type="checkbox"/>
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4 If your **least preferred** option was the only pelagic fishing trip available to you during the specified season, how many trips would you take?

\_\_\_\_\_ Number of Trips

**C2** Imagine that you have the choice between two pelagic fishing trips (Choice A or Choice B) or not taking either trip (Choice C). After you have compared the trips, answer the five questions below the table.

		<b>Choice A</b>	<b>Choice B</b>	<b>Choice C</b>
<b>Blue Marlin</b>	Your expected catch (weight per fish)	1 (1000 lbs.)	1 (300 lbs.)	Choose something other than a day of pelagic fishing.
<b>Ahi</b>	Your expected catch (weight per fish)	None	None	
<b>Other Pelagic Catch</b>	Your expected catch (total weight of other fish caught)	50 lbs.	100 lbs.	
<b>Season</b>	Time of year the trip occurs	Winter	Fall	
<b>Cost</b>	Fishing Cost per Day (per person)	\$100	\$100	

1 In the above table, which choice do you **MOST** prefer?  
(select only one)

Choice A <input type="checkbox"/>	Choice B <input type="checkbox"/>	Choice C <input type="checkbox"/>
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2 If your **most preferred** option was the only pelagic fishing trip available to you during the specified season, how many trips would you take?

\_\_\_\_\_ Number of Trips

3 In the above table, which choice do you **LEAST** prefer?  
(select only one)

Choice A <input type="checkbox"/>	Choice B <input type="checkbox"/>	Choice C <input type="checkbox"/>
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4 If your **least preferred** option was the only pelagic fishing trip available to you during the specified season, how many trips would you take?

\_\_\_\_\_ Number of Trips

**C3** Imagine that you have the choice between two pelagic fishing trips (Choice A or Choice B) or not taking either trip (Choice C). After you have compared the trips, answer the five questions below the table.

		Choice A	Choice B	Choice C
Blue Marlin	Your expected catch (weight per fish)	1 (500 lbs.)	Hooked, fought, but lost a blue marlin	Choose something other than a day of pelagic fishing.
Ahi	Your expected catch (weight per fish)	None	2 (100 lbs.)	
Other Pelagic Catch	Your expected catch (total weight of other fish caught)	100 lbs.	None	
Season	Time of year the trip occurs	Spring	Winter	
Cost	Fishing Cost per Day (per person)	\$50	\$50	

1 In the above table, which choice do you **MOST** prefer?  
(select only one)

Choice A <input type="checkbox"/>	Choice B <input type="checkbox"/>	Choice C <input type="checkbox"/>
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2 If your **most preferred** option was the only pelagic fishing trip available to you during the specified season, how many trips would you take?

\_\_\_\_\_ Number of Trips

3 In the above table, which choice do you **LEAST** prefer?  
(select only one)

Choice A <input type="checkbox"/>	Choice B <input type="checkbox"/>	Choice C <input type="checkbox"/>
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4 If your **least preferred** option was the only pelagic fishing trip available to you during the specified season, how many trips would you take?

\_\_\_\_\_ Number of Trips

## Section D: About You and Your Household

Different types of anglers may have different expenditure patterns. The following questions will help fishery managers understand spending across different types of anglers. The information you provide will remain strictly confidential, and you will not be identified with your answers.

 **D1** Are you.....?

Male     Female

 **D2** What year were you born?

Year: \_\_\_\_\_

 **D3** How old were you when you learned how to fish?

Age: \_\_\_\_\_

 **D4** Who taught you how to fish?

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Mother/stepmother                     | <input type="checkbox"/> Aunt          | <input type="checkbox"/> Female friend (peer) |
| <input type="checkbox"/> Father/stepfather                     | <input type="checkbox"/> Uncle         | <input type="checkbox"/> Male friend (peer)   |
| <input type="checkbox"/> Sister                                | <input type="checkbox"/> Female cousin | <input type="checkbox"/> Girlfriend           |
| <input type="checkbox"/> Brother                               | <input type="checkbox"/> Male cousin   | <input type="checkbox"/> Boyfriend            |
| <input type="checkbox"/> Grandmother                           | <input type="checkbox"/> Husband       |   |
| <input type="checkbox"/> Grandfather                           | <input type="checkbox"/> Wife          |   |
| <input type="checkbox"/> Male mentor (please specify: _____)   |  |   |
| <input type="checkbox"/> Female mentor (please specify: _____) |  |   |
| <input type="checkbox"/> Other (please specify: _____)         |  |   |

 **D5** What is the highest level of education you have completed?

- |  |   |
|--|---|
| <input type="checkbox"/> Less than 9th grade                   | <input type="checkbox"/> Some college (no degree)                   |
| <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"/> Associates degree or technical school |   |



**D6** Please list the top three reasons why you go fishing.

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



**D7** What best describes your employment status? Please check all that apply.

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



**D8** What is your ethnic background?

- Hispanic or Latino       Not Hispanic or Latino



**D9** What is your race (please mark all that apply)?

- |   |  |
|---|--|
| <input type="checkbox"/> White                  | <input type="checkbox"/> American Indian or Alaska Native          |
| <input type="checkbox"/> Black/African American | <input type="checkbox"/> Native Hawaiian or Other Pacific Islander |
| <input type="checkbox"/> Asian                  |  |



**D10** About how many hours do you work per week?

\_\_\_\_\_ Hours



**D11** Which of the following categories best describes your household's total annual income before taxes in 2004?

- |  |  |
|--|--|
| <input type="checkbox"/> Less than \$10,000  | <input type="checkbox"/> \$50,000 - \$74,999   |
| <input type="checkbox"/> \$10,000 - \$14,999 | <input type="checkbox"/> \$75,000 - \$99,999   |
| <input type="checkbox"/> \$15,000 - \$24,999 | <input type="checkbox"/> \$100,000 - \$149,999 |
| <input type="checkbox"/> \$25,000 - \$34,999 | <input type="checkbox"/> \$150,000 - \$199,999 |
| <input type="checkbox"/> \$35,000 - \$49,999 | <input type="checkbox"/> \$200,000 or more     |



**D12** What percentage of your 2005 household income came from the sale of fish?

\_\_\_\_\_ %

# Thank You for Participating!

Please use the space below to make any additional comments you may have. If you have any questions regarding the survey, please call 1.301.713.2328 or e-mail [brad.gentner@noaa.gov](mailto:brad.gentner@noaa.gov)

Send me a copy of the results. Please include your name and address.

\_\_\_\_\_ Name  
\_\_\_\_\_ Address  
\_\_\_\_\_  
\_\_\_\_\_

Notwithstanding any other provisions 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 requirement of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number. Public reporting burden for this survey is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to **Brad Gentner, NMFS F/ST1, 1315 East West Highway, Silver Spring, MD 20901.**