

January 1, 2017

## Instructions

To gauge economic impacts of proposed and existing regulations, federal fishery managers must have accurate baseline economic information for the West Coast Swordfish Fishery. Without this information, an accurate assessment of the potential economic impacts of fishery conservation and management cannot be made, making it difficult for fishery managers to best protect the economic interests of fishery participants.

We have developed an in-person survey to provide vital economic information about the West Coast Swordfish Fishery regarding the harvesters, fishing vessels, spotter plane pilots, aircraft, and processors. Section 1 is to be completed only by fishermen who operate drift gillnet, harpoon, longline, or deep set buoy gear fishing vessels; Sections 2, 3, 4, and 5 are specifically for participants in each of those respective fisheries; Section 6 is only for spotter plane pilots; Section 7 is only for fish processors, and Section 8 is only for completion by former swordfish participants who are no longer fishing swordfish. Section 9 is for **all** participants to express their opinions.

It is very important that you understand that this is a voluntary survey. Any information submitted to NMFS in response to this survey will not be disclosed at an individual level except to: (1) Dr. Doyle Hanan, the federal contractor administering the survey who is bound to release data only to NMFS; (2) NMFS employees and Pacific Fishery Management Council employees who are responsible for fishery monitoring; (3) state employees pursuant to an agreement with the Secretary of Commerce that prevents the disclosure of this information; or (4) when required by court order. The public reporting burden for completing this form is estimated to average one (1.0) hour per response. No data submitted by any participant will be publicly released in a manner which allows identification of individual proprietary information. Any publicly released information will be grouped to include no fewer than two (2) other individuals.

The survey will be conducted at your home port or other convenient location that you and Doyle Hanan choose. **We will call you in the next couple weeks to set up this appointment or if we miss you, please call Doyle to set up a convenient time (858-518-2233).** Thank you very much for your participation.

Dr. Doyle Hanan  
Hanan & Associates, Inc.  
PO Box 8914  
Rancho Santa Fe, CA 92067  
858.518.2233  
Email: [doyle@hanan.associates](mailto:doyle@hanan.associates)

Send comments regarding this survey or burden estimate to:

Dr. Stephen Stohs  
NMFS SWFSC  
8604 La Jolla Shores Drive  
La Jolla, CA 92037-1508  
[Stephen.Stohs@noaa.gov](mailto:Stephen.Stohs@noaa.gov)  
858.546.7084



**WEST COAST SWORDFISH FISHERY ANNUAL COST and EARNINGS SURVEY**  
**2015-16 & 2016-17 Fishing Seasons**

**Section 1: Continued**

		2015-2016 ↓	2016-2017 ↓
26	Annual mooring or slip / berthing fees (if charged separately)	\$	\$
27	Shipping costs	\$	\$
28	Annual fuel and oil costs <span style="float: right;">If Total:</span>	\$	\$
a)	Fuel <span style="float: right;">If Separate:</span>	\$	\$
b)	Oil <span style="float: right;">If Separate:</span>	\$	\$
29	Annual food costs	\$	\$
30	Engine replacement costs <span style="float: right;">Year</span>	\$	\$
31	Annual total vessel repairs and maintenance	\$	\$
a)	Does this include haul out fees?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
b)	Haul out fee if charged	\$	\$
32	Fishing association membership dues (Please circle month or year)	\$ Mo/Yr	\$ Mo/Yr
33	Total license fees (local, state, federal, combined)	\$	\$
34	Total County or Landing, vessel and berthing fees	\$	\$
35	Total business travel (car, airplane, train, other _____)	\$	\$
36	Total vehicle expenses	\$	\$
a)	Cost of new vehicle if purchased	\$	\$
37	Off-vessel fish storage/refrigeration expenses	\$	\$
38	Office expenses	\$	\$
39	Total fishing trips per year this vessel (all types of commercial fishing)	trips	trips
40	Total days per trip on average	days	days
41	Total days fished per trip on average	days	days
42	Did you use a spotter plane?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
43	For how many trips did you use a spotter plane?	trips	trips
44	Do you own the plane? (If yes please fill out Section 6)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
45	If rental plane, what was the rental fee?	\$ per	\$ per
46	Who is responsible for paying for fuel and oil for the plane?		
a)	Total fuel cost (if known):	\$	\$
b)	Total oil cost (if known):	\$	\$
c)	Total if combined (if known):	\$	\$
47	If pilot was paid a share or percentage of catch/gross/etc. please provide:	___% or \$___	___% or \$___
48	If pilot was paid a flat-rate, please provide:	\$ per___	\$ per___
49	Do you share the cost of a spotter plane or pilot with others? <input type="checkbox"/> Yes <input type="checkbox"/> No indicate your share as a percentage or dollar amount (please circle units)	___% or \$___ per: Day/Mo/Yr	___% or \$___ per: Day/Mo/Yr
50	How did you decide to use the spotter plane? <input type="checkbox"/> Weather <input type="checkbox"/> Availability <input type="checkbox"/> Spotter Ability <input type="checkbox"/> Cost <input type="checkbox"/> Increased catch (Check all that apply)	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:
51	Did increased catch justify the cost of using the plane?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

**WEST COAST SWORDFISH FISHERY ANNUAL COST and EARNINGS SURVEY**  
**2015-16 & 2016-17 Fishing Seasons**

**Section 2: Questions for Drift Gillnet Fishery (DGN) Participants Only**

**2015-2016 ↓ 2016-2017 ↓**

<b>1</b>	Total fishing trips per year this vessel (DGN fishing)		trips	trips
<b>2</b>	Total days per trip on average (DGN)		days	days
<b>3</b>	Total days fished per trip on average (DGN)		days	days
<b>4</b>	Net configurations used during <b>2015-2016 and 2016-2017</b> and <b>Targeted species:</b>			
	In <b>2015-2016</b> net used for what fishery/species (SWD, Shark, Bluefin, Yellowfin, other) <b>List Target Fish ↓</b>			
<b>a)</b>	Net 1: Length (ft/fm)	Depth (ft/fm)	Mesh (inches)	
<b>b)</b>	Net 2: Length (ft/fm)	Depth (ft/fm)	Mesh (inches)	
<b>c)</b>	Net 3: Length (ft/fm)	Depth (ft/fm)	Mesh (inches)	
	In <b>2016-2017</b> net used for what fishery/species (SWD, Shark, Bluefin, Yellowfin, other) <b>List Target Fish ↓</b>			
<b>d)</b>	Net 1: Length (ft/fm)	Depth (ft/fm)	Mesh (inches)	
<b>e)</b>	Net 2: Length (ft/fm)	Depth (ft/fm)	Mesh (inches)	
<b>f)</b>	Net 3: Length (ft/fm)	Depth (ft/fm)	Mesh (inches)	
<b>5</b>	How much extra net (auxiliary or for repair) kept on vessel? Length:			(ft/fm)
<b>6</b>	Current drift net total initial cost		\$	
<b>7</b>	Current drift net year purchased		Year:	
<b>a)</b>	Current drift net remaining useful life expectancy			years
<b>b)</b>	Current pingers brand and remaining useful life expectancy			years
<b>c)</b>	Drift net equipment costs	<b>2015-2016</b>	\$	<b>2016-2017</b> \$
<b>d)</b>	Drift net maintenance & repair cost	<b>2015-2016</b>	\$	<b>2016-2017</b> \$
<b>e)</b>	Lost gear, depredation, other costs, Please Specify:	<b>2015-2016</b>	\$	<b>2016-2017</b> \$
<b>8</b>	Total Catch & Revenue Drift Gillnet Fishery	<b>2015-2016</b> CATCH (Specify Units)	<b>2015-2016</b> REVENUE	<b>2016-2017</b> CATCH (Specify Units) <b>2016-2017</b> REVENUE
<b>a)</b>	Swordfish		\$	\$
<b>b)</b>	Shark		\$	\$
<b>c)</b>	Tuna		\$	\$
<b>d)</b>	Other (list)		\$	\$

**WEST COAST SWORDFISH FISHERY ANNUAL COST and EARNINGS SURVEY**  
**2015-16 & 2016-17 Fishing Seasons**

**Section 3: Questions for Harpoon Fishery Participants Only**

		2015-2016 ↓	2016-2017 ↓		
1	Total fishing trips per year this vessel (HPN fishing)	trips	trips		
2	Total days per trip on average (HPN)	days	days		
3	Total days fished per trip on average (HPN)	days	days		
4	Why do you harpoon? (Check all that apply) <input type="checkbox"/> Primary source of income <input type="checkbox"/> Opportunistic/supplemental <input type="checkbox"/> Recreational <input type="checkbox"/> Tax write-off Income <input type="checkbox"/> Lower fuel costs <input type="checkbox"/> Most cost efficient method of fishing <input type="checkbox"/> Other:				
5	Percentage of your <u>fishing</u> income from harpooning	2015-2016 %	2016-2017 %		
6	How many harpooning trips did you fish other gear?	2015-2016	2016-2017		
a)	Troll	Trips	Trips		
b)	Hook and Line	Trips	Trips		
c)	Longline	Trips	Trips		
d)	Pots	Trips	Trips		
e)	Other	Trips	Trips		
7	Total harpoon gear costs? (gun, retrofitting, plank, floats, line, and other _____)	\$	\$		
8	Other fishing costs, Please Specify:	\$	\$		
9	Total Catch & Revenue Harpoon Fishery	2015-2016 CATCH Specify Units (#, lbs, or both)	2015-2016 REVENUE	2016-2017 CATCH Specify Units (#, lbs, or both)	2016-2017 REVENUE
a)	Swordfish		\$		\$
b)	Shark		\$		\$
c)	Tuna (Specify _____)		\$		\$
d)	Other (please list):		\$		\$

**WEST COAST SWORDFISH FISHERY ANNUAL COST and EARNINGS SURVEY**  
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**Section 4: Questions for Longline Participants Only**

**2015-2016 ↓                      2016-2017 ↓**

<b>1</b>	Total fishing trips per year this vessel (LL fishing)					trips	trips
<b>2</b>	Total days per trip on average (LL)					days	days
<b>3</b>	Total days fished per trip on average (LL)					days	days
<b>4</b>	Longline gear purchase price					\$	
<b>a)</b>	Year purchased						
<b>b)</b>	Expected longevity						Yrs
<b>c)</b>	Longline length						Miles
<b>5</b>	Annual longline operating costs					Total if combined: \$	
<b>a)</b>	Gangion/branch lines					If separate: \$	
<b>b)</b>	Hooks					If separate: \$	
<b>c)</b>	Bait					If separate: \$	
<b>d)</b>	Trans-shipment costs					If separate: \$	
<b>6</b>	Total Catch & Revenue Longline Fishery	<b>2015-2016 CATCH (Specify Units)</b>	<b>2015-2016 REVENUE</b>	<b>2016-2017 CATCH (Specify Units)</b>	<b>2016-2017 REVENUE</b>		
<b>a)</b>	Swordfish		\$			\$	
<b>b)</b>	Shark		\$			\$	
<b>c)</b>	Tuna		\$			\$	
<b>d)</b>	Other (list)		\$			\$	

**WEST COAST SWORDFISH FISHERY ANNUAL COST and EARNINGS SURVEY**  
**2015-16 & 2016-17 Fishing Seasons**

**Section 5: Questions for Deep Set Buoy Gear Participants Only**

**2015-2016 ↓**

**2016-2017 ↓**

<b>1</b>	Total fishing trips per year this vessel (DSBG fishing)		trips		trips
<b>2</b>	Total days per trip on average (DSBG)		days		days
<b>3</b>	Total days fished per trip on average (DSBG)		days		days
<b>4</b>	Buoy Gear purchase price			\$	
<b>a)</b>	Year purchased				
<b>b)</b>	Expected longevity				Yrs
<b>c)</b>	Main Line length				Miles
<b>5</b>	Annual buoy gear operating costs	Total if combined:		\$	
<b>a)</b>	Gangion/branch lines	If separate:			
<b>b)</b>	Hooks	If separate:		\$	
<b>c)</b>	Bait	If separate:		\$	
<b>d)</b>	Trans-shipment costs	If separate:		\$	
<b>6</b>	Total Catch & Revenue Longline Fishery	<b>2015-2016</b> CATCH (Specify Units)	<b>2015-2016</b> REVENUE	<b>2016-2017</b> CATCH (Specify Units)	<b>2016-2017</b> REVENUE
<b>a)</b>	Swordfish		\$		\$
<b>b)</b>	Shark		\$		\$
<b>c)</b>	Tuna		\$		\$
<b>d)</b>	Other (list)		\$		\$

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**Section 6: Questions for Spotter Plane Pilot or Owner Only**

<b>1</b>	Owner:	Operator:			
<b>2</b>	Year pilot was born	19____			
<b>3</b>	Years as a spotter pilot	_____ yrs			
<b>4</b>	Type of airplane				
<b>5</b>	Year built				
<b>6</b>	Year purchased				
<b>7</b>	Purchase price	\$			
<b>8</b>	Estimated replacement value of airplane	\$			
<b>9</b>	Insured replacement value of airplane	\$			
<b>10</b>	Airplane purchase loan principle balance	\$			
<b>11</b>	Airplane loan payments	\$ _____ per			
<b>12</b>	Time remaining on this loan	_____ yrs _____ mos			
<b>13</b>	Airplane depreciation and amortization	\$			
<b>14</b>	Electronics (Check all on airplane): <input type="checkbox"/> INMARSAT <input type="checkbox"/> Cellular phone <input type="checkbox"/> VHF radio <input type="checkbox"/> CB Radio <input type="checkbox"/> SSB Radio <input type="checkbox"/> Computer <input type="checkbox"/> Radar <input type="checkbox"/> GPS <input type="checkbox"/> Other:				
<b>15</b>	Total Electronics Cost				
<b>16</b>	Total Insurance cost: (vessel, liability, and health combined)	2015-2016 \$	2016-2017 \$		
	Total Annual Cost (book keeping and tax preparation)	2015-2016 \$	2016-2017 \$		
<b>17</b>	Engine(s) horse power	_____ hp		_____ hp	
<b>18</b>	Fuel consumption	_____ gal/hr		_____ gal/hr	
<b>19</b>	Annual Operating Costs:				
<b>a)</b>	Number of gallons of fuel and oil (combined or split)	_____ gal.		_____ gal.	
<b>b)</b>	Total fuel and oil costs while fishing (combined)	2015-2016 \$	2016-2017 \$		
<b>c)</b>	Maintenance	2015-2016 \$	2016-2017 \$		
<b>d)</b>	Parts (tires, brakes, engine, etc.)	2015-2016 \$	2016-2017 \$		
<b>f)</b>	Transit of the plane to/from fishing grounds	2015-2016 \$	2016-2017 \$		
<b>g)</b>	Equipment (GPS, binoculars, software, etc.)	2015-2016 \$	2016-2017 \$		
<b>20</b>	Total Flight Days and Hrs Spotting:	<b>2015-2016</b>		<b>2016-2017</b>	
<b>a)</b>	Swordfish	Days	Ave Hrs/day	Days Ave Hrs/day	
<b>b)</b>	Shark	Days	Ave Hrs/day	Days Ave Hrs/day	
<b>c)</b>	Tuna	Days	Ave Hrs/day	Days Ave Hrs/day	
<b>d)</b>	Small Pelagics (Anch/Sard/Mac)	Days	Ave Hrs/day	Days Ave Hrs/day	
<b>e)</b>	Other	Days	Ave Hrs/day	Days Ave Hrs/day	
<b>21</b>	Total Catch & Revenue Spotter Plane	<b>2015-2016</b>	<b>2015-2016</b>	<b>2016-2017</b>	<b>2016-2017</b>
		CATCH (Specify Units)	Spotter Plane Revenue	CATCH (Specify Units)	Spotter Plane Revenue
<b>a)</b>	Swordfish		\$		\$
<b>b)</b>	Shark		\$		\$
<b>c)</b>	Tuna		\$		\$
<b>d)</b>	Small Pelagics		\$		\$
<b>e)</b>	Other: Explain:				



**WEST COAST SWORDFISH FISHERY ANNUAL COST and EARNINGS SURVEY**  
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**Section 7: Questions for Processor Participants Only**

<b>1</b>	Owner:		
<b>2</b>	Operator:		
<b>3</b>	Business Name:		
<b>4</b>	Position of person filling out form:		
<b>5</b>	Corporation Type:		
<b>6</b>	Year incorporated:		
<b>7</b>	Year purchased:		
<b>8</b>	Purchase price:       \$		
		<b>2015-2016</b>	<b>2016-2017</b>
<b>9</b>	Annual accountant fees	\$	\$
<b>10</b>	Annual Rent, Lease, or Mortgage costs (circle which applies)	\$	\$
<b>11</b>	Outstanding loan amounts	\$	\$
<b>12</b>	Total annual labor costs	\$	\$
<b>13</b>	Building & equipment maintenance	\$	\$
<b>14</b>	Insurance costs:		
<b>a)</b>	FDIC	\$	\$
<b>b)</b>	Workers comp	\$	\$
<b>c)</b>	Health insurance costs	\$	\$
<b>d)</b>	Longshore & Harbor workers	\$	\$
<b>e)</b>	Pension funding	\$	\$
<b>15</b>	Harbor fees	\$	\$
<b>16</b>	Telephone costs	\$	\$
<b>17</b>	Vehicle costs		
<b>a)</b>	Maintenance (non-vehicular)	\$	\$
<b>b)</b>	Insurance	\$	\$
<b>c)</b>	Fuel	\$	\$
<b>d)</b>	New purchases	\$	\$
<b>18</b>	Maintenance costs	\$	\$
<b>19</b>	Total swordfish purchased (please specify number or weight)		
<b>20</b>	Total cost swordfish purchased	\$	\$

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**Section 8: Questions for Former Swordfish Participant/Operator Only**

<b>1</b>	Name owner/operator:	
<b>2</b>	Were you the Captain	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>3</b>	Vessel Name	
<b>4</b>	Position person filling out form	
<b>5</b>	Last year fished	
<b>6</b>	Year captain was born	19_____
<b>7</b>	Captain: years fishing	_____ yrs
<b>8</b>	Captain: years operating fishing vessel	_____ yrs
<b>9</b>	Do you currently participate in a commercial fishery? <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which fishery(s)
<b>10</b>	Why did you leave the Swordfish fishery (please briefly describe)?  Economics? <input type="checkbox"/> Yes <input type="checkbox"/> No  Regulations? <input type="checkbox"/> Yes <input type="checkbox"/> No  Other? <input type="checkbox"/> Yes <input type="checkbox"/> No	



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**Section 9: Continued**

4. Are hard caps for marine mammal and sea turtle species an effective bycatch management tool?

Yes

No

In a few words, please explain why you answered “Yes” or “No”

5. Did you know the PFMC is soliciting applications for, and has issued Exempted Fishing Permits to target swordfish using deep-set buoy gear in California over the last few years?

6. Do you have any interest in applying for an Exempted Fishing Permit to target swordfish using deep-set buoy gear?

Yes

No

In a few words, please explain why you answered “Yes” or “No”

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**Section 9: Continued**

7. Should the level of commercial swordfish fishing activity on the West Coast of the U.S. change?
- Yes, commercial swordfish fishing activity on the U.S. West Coast should increase.
  - No, commercial swordfish fishing on the U.S. West Coast should stay the same or decrease.

In a few words, please explain why you answered “Yes” or “No”

8. Are you concerned that changing environmental conditions (weather, local target or protected species abundance, etc.) will affect the operation of the West Coast Swordfish Fishery or the related fishing community?
- Yes, environmental change will affect the operation of the West Coast Swordfish Fishery.
  - No, environmental change will have no effect.

If yes, in a few words, what are some impacts that you expect?

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**Section 9: Continued**

9. If the Pacific Fishery Management Council amended the Highly Migratory Species Fishery Management Plan to authorize shallow or deep-set longline fishing within the West Coast Exclusive Economic Zone to target swordfish, would you potentially be interested in participating?
- Yes, I would potentially be interested to participate in a West Coast Shallow-set Longline Swordfish Fishery.
  - No, I would not be interested to participate.
- Explain in a few words why or why not.