

### II.3 Costs

All cost data are in nominal 2006 dollars. Cost data are divided into fixed and variable (operating) cost categories, as shown in Tables 2 and 3. Nearly half of the fixed costs concern elective purchases and maintenance of the vessel’s hull, engine, electronic gear, and fishing gear. These particular costs are broken down in such a way as to conform to IMPLAN modeling requirements.

**Table 2: California Fixed Cost Categories**

<b>Fixed Cost Categories</b>	<b>Description</b>
Engine Repair	Annual Expenditures on engine repairs
Engine Purchase	Annual Expenditures on engine purchases
Electrical Gear Repair	Annual Expenditures on electronic repairs
Electrical Gear Purchase	Annual Expenditures on electronic purchases
Hull Repair	Annual Expenditures on hull repairs
Hull Purchase	Annual Expenditures on hull purchases
Other Gear Repair	Annual Expenditures on gear repairs
Other Gear Purchase	Annual Expenditures on gear purchases
Vessel Insurance	Annual Insurance costs
Storage	Annual Storage costs
Interest	Annual Interest paid
Federal Taxes	Federal Taxes paid in 2006
State Taxes	State Taxes paid in 2006
Boat Registration Fees	Annual Boat Registration Fees
Permit Fees	Annual Permit Fees
Commercial License	Annual Commercial Fishing License Fee
Slip	Annual Home Slip costs
Other Slip	Annual Slip Costs other than home slip costs

**Table 3: California Variable Cost Categories**

<b>Variable Cost Categories</b>	<b>Description</b>
Bait	Annual Bait Costs
Wage	Annual expenditures on Crew Wages
Food	Annual Food Costs
Fuel	Annual Fuel Costs
Harbor	Annual Harbor Fees
Ice	Annual Ice Costs
Transportation	Annual Transportation Costs related to fishing
Membership	Annual Fishing Membership Fees
Landing Taxes	Annual Landing Taxes paid

All costs in this report represent explicit expenditures. Not included in the 27 fixed and variable costs categories listed in Tables 2 and 3 are capital depreciation (e.g. vessel and gear depreciation) and fishermen’s opportunity costs. To arrive at net economic benefits both explicit and implicit costs need to be addressed. The survey instrument did ask fishermen to estimate capital depreciation. In consultation with IMPLAN experts it was concluded that although depreciation generates economic activity, this economic activity is picked up within IMPLAN as an inter-industry purchase/sale when the depreciated amount is spent on replacement equipment or gear. Therefore depreciation was not used in this analysis. The survey did not ask for, nor does this study include, the opportunity cost of fishermen’s time. While this implicit cost has a role in deriving economic profit, it is not an explicit expenditure that can be used in IMPLAN-based impact assessment.

Fishermen’s costs are also categorized into 4 different vessel size classes. The breakdown follows: vessels under 26’; vessels between 26’ and 36’; vessels over 36’; and “unclassified”. The “unclassified” category refers to costs associated with fishermen who did not make landings in vessels that they either owned or that were “business owned” (based on CDFG vessel registration records). These unclassified cases represent fishermen who shared, borrowed, or leased the use of vessels owned by others. An additional instance concerning unclassified fishermen is when multiple fishermen make landings from a single vessel, and the receiver fills out a landing receipt for each fisherman’s landings, often called a “split ticket”. These split tickets comprise 10 to 20 % of recorded landings (Leos 2008). Oftentimes at least one of these split-ticket fishermen is not a registered owner of the vessel from which they made the landings, and so cannot be placed into a specific vessel size class.

## **II.4 Revenue**

California (ex-vessel) revenue data were obtained through CDFG landings receipt records, which are usually completed when fish are off-loaded from vessels by receiver/processors. While the survey requested revenue data, ultimately it was decided that the CDFG landings receipt dataset would be a better and more complete source of revenue information.

There are several data reporting issues that can distort landings and revenue data at the individual fisherman level. In some cases, fishermen borrow or lease each other's vessels, and the license number of the registered vessel owner may be recorded on the landing receipt rather than the landing fisherman's license number. Moreover, as landing receipts are designed to only record one license number per landing, if several licensed commercial fishermen contribute to a single landing, the participation of all but one of these "phantom" fishermen is lost to the empirical record (Leos 2008). While these reporting practices may result in an incorrect count of active commercial fishermen and a distorted measure of average revenue, total revenue measures should be less affected.

## **III. SUMMARY COST AND REVENUE DATA**

This section of the report presents costs estimates and revenue data in two informative ways. Firstly, costs are structured to reveal how fishermen's expenditures within each OC are distributed across different regions of California. Secondly, costs, revenues, net revenues and descriptive statistics are arranged in a table format for each OC.

For the purpose of this report, California is divided into four distinct coastal regions – northern, north - central, central, and southern. Table 4 lists the California counties that represent each region. Table 5 presents commercial fishermen's estimated fixed and variable costs by OC which are further aggregated into the four California regions. The OCs in Table 5 are listed in descending order based on total cost.

A component of Table 5 lists costs that could not be attributed to a coastal region. There are a number of reasons why costs could not be attributed to a specific location. Note that fixed and variable costs are assigned to home and landing ports, respectively. CDFG records included a number of instances in which no port was recorded for fishermen. Moreover, in other cases ports outside of California were recorded. These costs could not be assigned to a specific location in California. Fixed costs are largely affected by the unknown or outside California home port locations. Conversely, CDFG landing records that list landing ports were much more complete, thus variable costs were minimally affected.

Aggregate ex-vessel revenues for each OC are presented in Table 6. Ex-vessel revenue is further apportioned by coastal region and county (refer to Table 4). These revenues are derived from CDFG landing receipt records and are assigned to the counties where fishermen landed and received payment for their catch. Ex-vessel revenue for fishermen who's landing county was unknown, were not included in the analysis.

Tables 7 through 26 provide a detailed analysis of costs, revenue, net revenue, and descriptive statistics for each of the 20 OCs. Each table gives the number of fishermen that participated in each OC, and the number of those fishermen who participated in each size class. For several of the OCs, fishermen are

aggregated into broader vessel size class categories. These broader size class categories allowed for combining fishermen together if costs between the size classes did not appear to be significantly different. Values are presented as estimated total and average costs (average costs are calculated on a “per-fisherman” basis; not per vessel) by fixed and variable costs categories in 2006 dollars. Costs by category were summed to arrive at grand totals for total and average cost. Revenue is partitioned into the relevant vessel size classes and expressed as total and average values. Total and average net revenues are provided for each OC as well.

The descriptive statistics portion of the 20 OC tables is derived from the survey data. Average values are given for the number of years fishermen participated in the OC, age of vessel, and the number of days fished to complete a single trip. An analysis of market channels (i.e. where, or to whom, fishermen sell their catch) shows the average percentage of surveyed fishermen by OC who reported sales activity in one of the downstream market channels (direct to consumer, direct to restaurant, to a processor, or outside of California). The percentage of fishermen in an OC who sold into the various downstream market channels can sum to greater than 100 %. This is because fishermen can participate in more than one market channel. Moreover, the percentage of fishermen in an OC who sold into the various downstream market channels can also sum to less than 100 %, as some fishermen did not provide information on sales activity for any market channel. For those fishermen who reported some level of sales into a given market channel, the average percentage of their total landings that was sold in that market channel is also provided. The descriptive statistics also include an average rating of the 2006 fishing year for each OC. The rating is calculated based on each fisherman’s responses to a Likert scale of one to five, where “1” represents “worst” and “5” represents “best.” Recurrent themes in open-ended comments and concerns written by fishermen on the returned surveys are summarized as well. The final descriptive statistic shows the three most important landing counties in California, determined by the number of trips made and by the value of catch.

**Table 4. California Regions by County**

CA Coastal Regions	Counties
Northern	Del Norte, Humboldt, Mendocino
North- Central	Alameda, Contra Costa, Napa, Marin, Sacramento, San Francisco, San Joaquin San Mateo, Santa Clara, Solano, Sonoma, Yolo
Central	Monterey, San Luis Obispo, Santa Barbara, Santa Cruz
Southern	Los Angeles, Orange, San Diego, Ventura

**Table 5. Total Annual Costs by CA Coastal Region and Operational Configuration (in 2006 \$)\*****Northern California**

<b>OC</b>	<b>Fixed Costs</b>	<b>Variable Costs</b>	<b>Total Costs</b>
Dungeness Crab - Medium and Large Vessels	5,798,289	5,590,307	11,388,596
Trawl - Northern	701,997	2,087,711	2,789,708
Salmon & Dungeness Crab - Medium and Large Vessels	1,236,866	855,733	2,092,599
Salmon	648,720	356,049	1,004,770
Nearshore & Groundfish Trap	466,918	371,906	838,824
Dungeness Crab - Small Vessels	164,043	512,210	676,253
Longline	345,868	181,424	527,293
Sea Urchin	300,923	202,887	503,811
Hook & Line Live	295,453	198,612	494,064
Hook & Line	208,089	169,596	377,685
Salmon & Albacore	145,021	94,886	239,907
Prawn Trap	79,819	36,372	116,191
All Other	47,938	67,028	114,966
<b>Total</b>	<b>10,439,945</b>	<b>10,724,723</b>	<b>21,164,668</b>

**North - Central California**

<b>OC</b>	<b>Fixed Costs</b>	<b>Variable Costs</b>	<b>Total Costs</b>
Salmon & Dungeness Crab - Medium and Large Vessels	2,127,023	1,408,561	3,535,584
Dungeness Crab - Medium and Large Vessels	1,992,074	1,304,048	3,296,122
Salmon	1,836,119	1,216,466	3,052,585
Hook & Line	780,750	717,425	1,498,175
Trawl - Northern	717,896	499,665	1,217,561
Herring Gillnet	424,164	381,831	805,996
Dungeness Crab - Small Vessels	143,631	114,394	258,025
Salmon & Dungeness Crab - Small Vessels	118,175	113,399	231,574
Longline	116,918	68,222	185,139
Hook and Line Live	100,447	45,420	145,868
Salmon & Albacore	108,630	35,137	143,767
CPS	64,126	67,243	131,369
Nearshore & Groundfish Trap	105,379	10,383	115,762
Sea Urchin	102,793	5,727	108,521
All Other	135,670	63,714	199,384
<b>Total</b>	<b>8,873,796</b>	<b>6,051,635</b>	<b>14,925,431</b>

**Table 5 continued. Total Annual Costs by CA Coastal Region and Operational Configuration (in 2006 \$)\***

<b>Central California</b>				
	<b>OC</b>	<b>Fixed Costs</b>	<b>Variable Costs</b>	<b>Total Costs</b>
Sea Urchin		1,503,651	861,965	2,365,616
Salmon		1,595,941	554,847	2,150,788
Lobster & Crab		1,078,661	731,252	1,809,912
Hook & Line		876,838	701,212	1,578,050
Hook and Line Live		546,141	565,268	1,111,409
Salmon & Dungeness Crab - Medium and Large Vessels		719,894	340,593	1,060,486
Trawl - Southern		205,358	708,042	913,400
CPS		746,406	120,079	866,484
Trawl - Northern		530,546	288,874	819,420
Other Gillnet		365,083	330,219	695,303
Nearshore & Groundfish Trap		347,356	310,658	658,014
Dungeness Crab - Medium and Large Vessels		502,611	121,467	624,078
Prawn Trap		320,570	278,410	598,980
Longline		328,390	220,118	548,508
Salmon & Albacore		365,388	156,829	522,217
All Other		107,879	12,891	120,770
	<b>Total</b>	<b>10,140,712</b>	<b>6,302,723</b>	<b>16,443,435</b>
<b>Southern California</b>				
	<b>OC</b>	<b>Fixed Costs</b>	<b>Variable Costs</b>	<b>Total Costs</b>
CPS		2,844,939	4,390,690	7,235,630
Lobster & Crab		2,513,354	2,702,400	5,215,754
Other Gillnet		1,331,682	2,023,858	3,355,540
Sea Urchin		1,165,256	1,081,178	2,246,434
Longline		579,380	1,616,718	2,196,098
Hook & Line		705,560	940,108	1,645,667
Hook and Line Live		457,936	641,673	1,099,609
Prawn Trap		390,632	483,124	873,755
Nearshore & Groundfish Trap		387,541	403,011	790,552
Harpoon/Spear		494,725	237,421	732,146
Salmon & Albacore		173,246	70,499	243,745
Tuna/Other Seine		92,597	142,792	235,389
Trawl - Southern		135,678	98,770	234,448
Salmon		118,573	223	118,796
All Other		194,668	32,535	227,202
	<b>Total</b>	<b>11,585,767</b>	<b>14,864,999</b>	<b>26,450,766</b>

**Table 5 continued. Total Annual Costs by CA Coastal Region and Operational Configuration (in 2006 \$)\***

**Costs Not Attributed to a Specific California Region\*\***

<b>OC</b>	<b>Fixed Costs***</b>	<b>Variable Costs****</b>	<b>Total Costs</b>
CPS	2,753,259	5,169	2,758,428
Dungeness Crab - Medium and Large Vessels	1,851,123	α	1,851,123
Salmon	1,262,961	α	1,262,961
Trawl - Northern	1,053,068	α	1,053,068
Hook & Line	1,004,350	α	1,004,350
Sea Urchin	995,118	α	995,118
Lobster & Crab	858,421	α	858,421
Herring Gillnet	683,114	α	683,114
Hook and Line Live	528,305	α	528,305
Longline	508,069	α	508,069
Other Gillnet	447,185	α	447,185
Nearshore & Groundfish Trap	312,490	α	312,490
Salmon & Dungeness Crab - Medium and Large Vessels	309,335	α	309,335
Prawn Trap	306,189	α	306,189
Trawl - Southern	115,704	α	115,704
All Other	166,369	2,242,282	2,408,651
<b>Total</b>	<b>13,155,062</b>	<b>2,247,451</b>	<b>15,402,513</b>

α = variable costs attributed to known California regions

**Table 5 continued. Total Annual Costs by CA Coastal Region and Operational Configuration (in 2006 \$)\***

<b>Total California</b>	<b>OC</b>	<b>Fixed Costs</b>	<b>Variable Costs</b>	<b>Total Costs</b>
Dungeness Crab - Medium and Large Vessels		10,228,013	7,017,185	17,245,198
CPS		6,408,730	4,589,152	10,997,882
Lobster & Crab		4,472,560	3,466,393	7,938,953
Salmon		5,462,315	2,127,585	7,589,901
Salmon & Dungeness Crab - Medium and Lg. Vessels		4,428,336	2,604,887	7,033,223
Sea Urchin		4,067,742	2,151,758	6,219,500
Hook & Line		3,575,586	2,528,340	6,103,927
Trawl - Northern		3,003,507	2,901,733	5,905,240
Other Gillnet		2,186,744	2,360,749	4,547,493
Longline		1,878,625	2,086,482	3,965,107
Hook and Line Live		1,928,282	1,450,973	3,379,255
Nearshore & Groundfish Trap		1,619,684	1,095,958	2,715,642
Prawn Trap		1,097,210	813,229	1,910,439
Herring Gillnet		1,210,582	381,831	1,592,413
Trawl - Southern		456,740	808,494	1,265,235
Salmon & Albacore		846,113	357,352	1,203,465
Dungeness Crab - Small Vessels		322,150	631,257	953,406
Harpoon/Spear		582,121	246,109	828,230
Tuna/Other Seine		198,152	150,755	348,906
Salmon & Dungeness - Small Vessels		172,883	149,914	322,797
All Other		49,207	2,271,394	2,320,601
	<b>Total</b>	<b>54,195,282</b>	<b>40,191,531</b>	<b>94,386,813</b>

\*Source: Estimates derived from merged survey, landings receipt, and license data

\*\*Costs of fishermen whose home port or landing ports are unknown, inland, or outside California

\*\*\*Fishermen with home ports outside of California contribute \$2.66 million to fixed costs

\*\*\*\*The \$2.24 million "all other" variable cost is the value of bait and ice costs removed from OCs that do not use those inputs



**Table 6: Ex-Vessel Revenue by Operational Configuration, California Coastal Region, and County (in 2006 \$)\***

<b>Region and County</b>	<b>CPS</b>	<b>Dungeness &amp; Large Crab - Medium</b>	<b>Dungeness Crab - Small</b>	<b>Harpoon/Spear</b>	<b>Herring Gillnet</b>	<b>Hook &amp; Line</b>	<b>Hook &amp; Line Live</b>	<b>Lobster &amp; Crab</b>	<b>Longline</b>	<b>Nearshore &amp; Groundfish Trap</b>
<b>North Coast Region</b>	<b>22,613</b>	<b>29,462,089</b>	<b>310,829</b>	<b>0</b>	<b>0</b>	<b>138,624</b>	<b>445,085</b>	<b>12,630</b>	<b>893,195</b>	<b>777,125</b>
Del Norte	0	19,728,497	63,448	0	0	36,142	271,793	2,964	234,242	248,654
Humboldt	22,613	9,013,091	240,715	0	0	48,671	5,599	9,666	505,850	14,585
Mendocino	0	720,501	6,666	0	0	53,811	167,693	0	153,103	513,886
<b>North - Central Coast Region</b>	<b>67,874</b>	<b>5,457,020</b>	<b>174,271</b>	<b>0</b>	<b>427,225</b>	<b>445,240</b>	<b>83,240</b>	<b>127,236</b>	<b>238,024</b>	<b>10,705</b>
Alameda	0	16,305	47,035	0	10,977	65,363	741	0	1,127	0
Contra Costa	660	861	0	0	0	0	0	0	307	0
Marin	0	676,490	74,203	0	0	17,823	27,784	662	15,401	1,122
Sacramento	1,525	0	0	0	0	0	0	116,858	0	0
San Francisco	50,005	0	0	0	0	0	0	0	0	0
San Joaquin	0	0	0	0	0	0	0	1,475	0	0
San Mateo	0	53,914	0	0	0	36,011	2,089	61	0	0
Santa Clara	0	0	0	0	0	11,124	0	0	893	0
Solano	2,374	0	0	0	0	0	0	0	0	0
Sonoma	0	3,297,580	32,775	0	416,248	200,592	37,175	1,425	191,586	6,786
Yolo	13,310	1,411,870	20,258	0	0	114,327	15,451	6,755	28,710	2,797
<b>Central Coast Region</b>	<b>2,523,945</b>	<b>343,192</b>	<b>0</b>	<b>3,472</b>	<b>0</b>	<b>344,458</b>	<b>1,029,001</b>	<b>2,728,277</b>	<b>818,607</b>	<b>468,941</b>
Monterey	2,489,231	81,184	0	0	0	124,360	66,820	0	648,115	48,867
San Luis Obispo	0	244,864	0	0	0	107,894	726,249	88,102	118,958	345,119
Santa Barbara	0	0	0	3,472	0	59,990	233,958	2,639,617	43,888	68,726
Santa Cruz	34,714	17,144	0	0	0	52,214	1,974	558	7,646	6,229
<b>South Coast Region</b>	<b>31,781,214</b>	<b>443</b>	<b>0</b>	<b>665,373</b>	<b>0</b>	<b>246,164</b>	<b>186,379</b>	<b>6,910,111</b>	<b>1,869,519</b>	<b>586,688</b>
Los Angeles	24,645,354	0	0	324,415	0	91,152	93,288	1,229,913	390,642	87,219
Orange	37,266	0	0	162,856	0	4,250	3,838	1,445,852	208,075	49,241
San Diego	26,013	0	0	159,331	0	53,629	3,116	2,994,855	610,001	283,971
Ventura	7,072,581	443	0	18,771	0	97,133	86,137	1,239,491	660,801	166,257
<b>California OC Total</b>	<b>34,395,646</b>	<b>35,262,744</b>	<b>485,100</b>	<b>668,845</b>	<b>427,225</b>	<b>1,174,486</b>	<b>1,743,705</b>	<b>9,778,254</b>	<b>3,819,345</b>	<b>1,843,459</b>

Table 6 continued: Ex-Vessel Revenue by Operational Configuration, California Coastal Region, and County (in 2006 \$)\*

Region and County	Other Gillnet	Prawn Trap	Salmon	Salmon & Albacore	Salmon - Medium & Large	Salmon - Dungeness Crab	Sea Urchin	California - Northern	California - Southern	Tuna/Other Seine	Region & County Total
<b>North Coast Region</b>	<b>4,419</b>	<b>137,880</b>	<b>613,583</b>	<b>238,172</b>	<b>3,918,576</b>	<b>88,017</b>	<b>412,199</b>	<b>6,448,470</b>	<b>704</b>	<b>0</b>	<b>43,924,210</b>
Del Norte	4,419	137,880	0	105,674	1,029,188	0	0	875,268	0	0	22,738,169
Humboldt	0	0	4,110	104,708	1,438,215	0	0	4,008,740	0	0	15,416,563
Mendocino	0	0	609,473	27,790	1,451,173	88,017	412,199	1,564,462	704	0	5,769,478
<b>North - Central Coast Region</b>	<b>11,470</b>	<b>38,043</b>	<b>1,825,476</b>	<b>104,191</b>	<b>6,494,637</b>	<b>232,967</b>	<b>9,402</b>	<b>2,126,517</b>	<b>93,569</b>	<b>141,391</b>	<b>18,108,498</b>
Alameda	0	0	26,575	0	84,382	121,040	0	19,527	0	0	135,265
Contra Costa	0	37,237	0	0	3,089	0	0	90,489	0	0	13,030
Marin	152	0	1,329,321	47,570	3,111,082	64,341	7,226	96,737	0	0	393,072
Sacramento	0	300	0	0	0	0	0	0	0	0	118,683
San Francisco	0	506	0	0	0	0	0	0	0	0	6,970,775
San Joaquin	0	0	0	0	0	0	0	0	0	0	50,511
San Mateo	0	0	15,120	657	14,974	9,476	0	2,963	0	0	4,782,077
Santa Clara	0	0	1,013	0	0	0	0	0	0	0	41,053
Solano	0	0	0	0	0	0	0	38,679	0	0	132,643
Sonoma	11,318	0	244,344	5,818	1,281,880	9,215	2,176	1,181,067	50,790	0	5,469,914
Yolo	0	0	209,103	50,146	1,999,230	28,895	0	697,055	42,779	141,391	1,475
<b>Central Coast Region</b>	<b>701,331</b>	<b>1,248,468</b>	<b>362,105</b>	<b>133,546</b>	<b>771,570</b>	<b>955</b>	<b>2,657,736</b>	<b>1,234,425</b>	<b>432,348</b>	<b>0</b>	<b>15,802,377</b>
Monterey	132,270	781,365	200,620	39,634	98,433	0	0	1,014,091	50,336	0	5,775,326
San Luis Obispo	338,127	335,005	63,284	23,496	379,408	436	327	158,576	2,936	0	2,932,781
Santa Barbara	230,635	132,098	1,868	81	2,591	0	2,657,409	34,075	375,249	0	6,483,657
Santa Cruz	299	0	96,333	70,335	291,138	519	0	27,683	3,827	0	610,613
<b>South Coast Region</b>	<b>3,170,682</b>	<b>2,248,548</b>	<b>753</b>	<b>74,273</b>	<b>0</b>	<b>0</b>	<b>2,489,344</b>	<b>34,249</b>	<b>541,119</b>	<b>1,614,970</b>	<b>52,420,784</b>
Los Angeles	853,665	539,266	753	48,508	0	0	769,264	10,790	51,817	1,455,200	30,591,246
Orange	14,600	367,518	0	664	0	0	11,463	0	0	0	2,305,623
San Diego	1,775,304	648,233	0	10,941	0	0	501,719	0	0	0	7,067,113
Ventura	527,113	693,531	0	14,160	0	0	1,206,898	23,459	489,302	159,770	12,456,802
<b>California OC Total</b>	<b>3,887,902</b>	<b>3,672,939</b>	<b>2,801,917</b>	<b>550,182</b>	<b>11,184,783</b>	<b>321,939</b>	<b>5,568,681</b>	<b>9,843,661</b>	<b>1,067,740</b>	<b>1,756,361</b>	<b>130,255,869</b>

\*Source: CDFG Landings Receipt Data

**Table 7. 2006 Economic Summary for the CA COASTAL PELAGIC SPECIES (Includes SQUID) Operational Configuration**

Number of Participating Fishermen = 145

Number of Participating Fishermen in Size Class:

Unclassified = 31

ALL Vessel Sizes = 114

Fixed Cost Category	Vessel Size Class		Estimated Total Costs		Estimated Average Costs		St. Deviation of Costs	
	Unclassified	ALL Vessel Sizes	ALL Fishermen	Unclassified	ALL Vessel Sizes	Unclassified	ALL Vessel Sizes	
Engine Repair	53,710	275,130	328,840	1,733	2,413	3,564	1,356	
Engine Purchase	43,419	164,670	208,090	1,401	1,444	3,460	961	
Electrical Gear Repair	44,456	161,495	205,951	1,434	1,417	3,024	811	
Electrical Gear Purchase	11,355	70,191	81,547	366	616	766	328	
Hull Repair	110,348	780,189	890,538	3,560	6,844	7,769	5,254	
Hull Purchase	32,945	147,555	180,501	1,063	1,294	2,916	800	
Other Gear Repair	108,967	315,875	424,841	3,515	2,771	6,477	1,318	
Other Gear Purchase	57,177	532,331	589,507	1,844	4,670	3,307	2,549	
Vessel Insurance	163,651	166,831	330,482	5,279	1,463	12,424	4,507	
Storage	31,374	69,627	101,000	1,012	611	2,417	241	
Interest	92,472	488,175	580,647	2,983	4,282	9,030	3,520	
Federal Taxes	291,683	1,286,075	1,577,758	9,409	11,281	14,498	15,022	
State Taxes	78,520	269,556	348,076	2,533	2,365	3,462	3,224	
Boat Reg Fees	0	190,870	190,870	0	1,674	0	1,016	
Permit Fees	3,237	28,091	31,328	104	246	315	413	
Commercial License	2,727	9,741	12,468	88	85	25	32	
Slip	33,894	271,159	305,052	1,093	2,379	2,268	1,146	
Other Slip	16,633	131	16,764	537	1	2,086	11	

**Table 7 continued. 2006 Economic Summary for the CA COASTAL PELAGIC SPECIES (Includes SQUID) Operational Configuration**

Variable Cost Category	Vessel Size Class		Estimated Total Costs		Estimated Average Costs		St. Deviation of Costs	
	Unclassified	ALL Vessel Sizes	ALL Fishermen	Unclassified	ALL Vessel Sizes	Unclassified	ALL Vessel Sizes	
<b>Bait</b>	0	0	0	0	0	0	0	
<b>Wage</b>	1,869,225	1,083,121	2,952,346	60,298	9,501	196,370	79,715	
<b>Food</b>	60,538	100,234	160,771	1,953	879	4,285	2,435	
<b>Fuel</b>	180,514	367,180	547,694	5,823	3,221	14,132	12,481	
<b>Harbor</b>	27,192	96,105	123,297	877	843	1,935	3,360	
<b>Ice</b>	13,082	70,113	83,195	422	615	640	478	
<b>Transportation</b>	80,238	160,641	240,879	2,588	1,409	4,620	1,889	
<b>Membership</b>	17,631	45,178	62,809	569	396	1,093	413	
<b>Landing Taxes</b>	82,215	335,946	418,161	2,652	2,947	6,470	5,241	
		<b><u>TOTAL</u></b>		<b><u>AVERAGE</u></b>				
<b>GRAND TOTAL COSTS</b>	3,507,203	7,486,208	<b>10,993,412</b>	113,136	65,668	n/a	n/a	
<b>EX-VESSEL REVENUE</b>	5,541,466	28,854,180	<b>34,395,646</b>	178,757	246,617	n/a	n/a	
<b>EX-VESSEL NET REVENUE</b>	2,034,263	21,367,972	<b>23,402,234</b>	65,621	180,948	n/a	n/a	

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Coastal Pelagic Species (Including Squid) OC**

Respondent's average years in the industry<sup>1</sup>: 29

Average age of fishing vessel<sup>1</sup>: 32

Average number of days per trip<sup>1</sup>: 1.9

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	20	16
Restaurant	0	n/a
Processor	70	95
Outside CA	5	52

Likert scale rating of 2006 fishing year<sup>1</sup>: Between “worse than normal” and “normal” (2.6)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of regulations/restrictions. Season length, fees, and resource/habitat problems are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Los Angeles	Los Angeles
Ventura	Ventura
Monterey	Monterey

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 8. 2006 Economic Summary for the CA DUNGENESE CRAB – MEDIUM AND LARGE VESSELS Operational Configuration**

Number of Participating Fishermen = 294

Number of Participating Fishermen in Size Class:                      Unclassified = 53                       $\geq 26'$  = 241

Fixed Cost Category	Vessel Size Class		Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	$\geq 26'$	Unclassified	$\geq 26'$		Unclassified	$\geq 26'$	Unclassified	$\geq 26'$
Engine Repair	92,232	493,087	585,319	1,647	2,055	4,036	1,022		
Engine Purchase	45,012	424,339	469,351	804	1,768	1,821	1,412		
Electrical Gear Repair	48,617	280,557	329,173	868	1,169	2,438	636		
Electrical Gear Purchase	25,140	199,188	224,328	449	830	851	982		
Hull Repair	208,835	1,084,748	1,293,584	3,729	4,520	8,992	3,808		
Hull Purchase	63,896	254,774	318,670	1,141	1,062	3,008	785		
Other Gear Repair	164,537	795,949	960,486	2,938	3,310	6,985	3,613		
Other Gear Purchase	142,482	963,799	1,106,282	2,544	4,016	4,464	2,034		
Vessel Insurance	180,827	440,351	621,178	3,229	1,835	6,130	3,167		
Storage	51,552	158,552	210,104	921	661	2,133	476		
Interest	59,389	739,131	798,520	1,061	3,080	1,623	2,205		
Federal Taxes	333,051	1,829,901	2,162,952	5,947	7,625	9,231	9,832		
State Taxes	91,293	361,805	453,098	1,630	1,508	2,861	2,057		
Boat Reg Fees	0	50,455	61,373	0	210	0	263		
Permit Fees	2,524	16,839	16,839	45	70	101	128		
Commercial License	4,886	20,598	25,485	87	86	25	26		
Slip	63,501	564,754	628,255	1,134	2,353	1,668	973		
Other Slip	3,910	3,313	7,223	70	14	235	117		

**Table 8 continued. 2006 Economic Summary for the CA DUNGENESS CRAB – MEDIUM AND LARGE VESSELS Operational Configuration**

Variable Cost Category	Vessel Size Class	Estimated Total Costs		Estimated Average Costs		St. Deviation of Costs		
		Unclassified	≥ 26'	ALL Fishermen	Unclassified	≥ 26'	Unclassified	≥ 26'
<b>Bait</b>		169,988	621,151	773,242	3,148	2,524	3,912	7,402
<b>Wage</b>		823,856	3,929,059	4,355,908	15,257	14,778	32,911	38,053
<b>Food</b>		49,469	182,453	229,815	916	755	1,672	945
<b>Fuel</b>		261,427	612,975	861,118	4,841	2,509	8,478	3,733
<b>Harbor</b>		23,685	83,922	107,446	439	350	1,831	2,710
<b>Ice</b>		27,911	139,817	164,997	517	574	616	775
<b>Transportation</b>		81,039	302,654	378,675	1,501	1,245	1,950	1,655
<b>Membership</b>		14,327	43,555	57,525	265	181	397	149
<b>Landing Taxes</b>		32,897	61,296	88,459	609	232	1,015	529
			<b><u>TOTAL</u></b>		<b><u>AVERAGE</u></b>			
<b>GRAND TOTAL COSTS</b>		3,074,675	14,659,021	<b>17,733,696</b>	55,887	60,867	n/a	n/a
<b>TOTAL or AVE REVENUE</b>		4,821,037	30,441,707	<b>35,262,744</b>	90,963	120,800	n/a	n/a
<b>TOTAL or AVE NET REVENUE</b>		1,746,362	15,782,686	<b>17,529,048</b>	35,076	59,934	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Dungeness Crab– Medium and Large Vessels OC**

Respondents average years in the industry<sup>1</sup>: 25  
 Average age of fishing vessel<sup>1</sup>: 40  
 Average number of days per trip<sup>1</sup>: 1.6

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	19	23
Restaurant	3	5
Processor	81	95
Outside CA	3	65

Likert scale rating of 2006 fishing year<sup>1</sup>: Between “worse than normal” and “normal” (2.6)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of regulations and restrictions. The price of catch is also a top concern.

3 Most important landing countries<sup>2</sup>

By Number of Trips	By Value of Catch
Del Norte	Del Norte
Humboldt	Humboldt
San Mateo	San Francisco

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 9. 2006 Economic Summary for the CA DUNGENESS CRAB – SMALL VESSEL Operational Configuration**

Number of Participating Fishermen = 24

Fixed Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Engine Repair	20,232	963	770
Engine Purchase	61,679	2,937	5,967
Electrical Gear Repair	5,621	268	305
Electrical Gear Purchase	7,621	363	273
Hull Repair	18,713	891	1,209
Hull Purchase	8,086	385	320
Other Gear Repair	23,007	1,096	930
Other Gear Purchase	31,245	1,488	2,950
Vessel Insurance	14,674	699	834
Storage	14,220	677	890
Interest	7,790	371	748
Federal Taxes	33,881	1,613	2,432
State Taxes	9,276	442	1,009
Boat Reg Fees	3,850	183	232
Permit Fees	1,956	93	157
Commercial License	1,282	61	39
Slip	22,351	1,064	1,041
Other Slip	0	0	0

**Table 9 continued. 2006 Economic Summary for the CA DUNGENESS CRAB – SMALL VESSEL Operational Configuration**

Variable Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Bait	16,458	716	838
Wage	86,402	3,757	6,230
Food	8,443	367	444
Fuel	22,225	966	1,265
Harbor	11,553	502	1,650
Ice	3,259	142	119
Transportation	24,758	1,076	1,586
Membership	3,539	154	166
Landing Taxes	2,392	104	308
<b>GRAND TOTAL COSTS</b>	<b>TOTAL</b> <b>464,515</b>	<b>AVERAGE</b> 21,378	n/a
<b>EX-VESSEL REVENUE</b>	<b>485,100</b>	20,213	n/a
<b>EX-VESSEL NET REVENUE</b>	<b>20,585</b>	-1,166	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Dungeness Crab – Small Vessel OC**

Respondent's average years in the industry<sup>1</sup>: 21

Average age of fishing vessel<sup>1</sup>: 23

Average number of days per trip<sup>1</sup>: 1.0

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	0	n/a
Restaurant	20	10
Processor	80	98
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: Between “normal” and “better than normal” (3.3)

Comments and concerns<sup>1</sup>: Regulations and restrictions, market problems, and more fish buyers were equally important concerns of surveyed fishermen.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Humboldt	Humboldt
Marin	Sonoma
Del Norte	Del Norte

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.



**Table 10. 2006 Economic Summary for the CA HARPOON/SPEAR Operational Configuration**

Number of Participating Fishermen = 27

Fixed Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Engine Repair	36,993	1,370	1,137
Engine Purchase	26,373	977	1,105
Electrical Gear Repair	28,417	1,052	824
Electrical Gear Purchase	18,739	694	516
Hull Repair	105,981	3,925	4,667
Hull Purchase	20,624	764	607
Other Gear Repair	59,390	2,200	1,488
Other Gear Purchase	81,833	3,031	2,332
Vessel Insurance	16,237	601	732
Storage	11,110	411	323
Interest	62,973	2,332	2,508
Federal Taxes	41,240	1,527	1,349
State Taxes	8,378	310	254
Boat Reg Fees	3,006	111	127
Permit Fees	5,774	214	167
Commercial License	2,206	82	35
Slip	52,615	1,949	1,534
Other Slip	233	9	32

**Table 10 continued. 2006 Economic Summary for the CA HARPOON/SPEAR Operational Configuration**

Variable Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Bait	21,076	781	922
Wage	64,539	2,390	2,048
Food	31,880	1,181	2,163
Fuel	82,612	3,060	3,989
Harbor	3,168	117	139
Ice	10,073	373	369
Transportation	28,177	1,044	818
Membership	3,209	119	94
Landing Taxes	1,374	51	74
<b>GRAND TOTAL COSTS</b>	<b>TOTAL</b> <b>828,230</b>	<b>AVERAGE</b> <b>30,675</b>	n/a
<b>EX-VESSEL REVENUE</b>	<b>668,845</b>	24,772	n/a
<b>EX-VESSEL NET REVENUE</b>	<b>-159,385</b>	-5,903	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Harpoon/Spear OC**

Respondent's average years in the industry<sup>1</sup>: 27

Average age of fishing vessel<sup>1</sup>: 33

Average number of days per trip<sup>1</sup>: 5.2

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	0	n/a
Restaurant	29	83
Processor	86	73
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worse than normal" and "normal" (2.7)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of regulations/restrictions. Gear topics are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Los Angeles	Los Angeles
San Diego	Orange
Orange	San Diego

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 11. 2006 Economic Summary for the CA HERRING GILLNET Operational Configuration**

Number of Participating Fishermen = 91

Number of Participating Fishermen in Size Class:

Unclassified = 49       $\geq 26 = 43$

Expense Category	Vessel Size Class		Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	$\geq 26$	Unclassified	$\geq 26$		Unclassified	$\geq 26$	Unclassified	$\geq 26$
Engine Repair	8,097	74,581	82,678		165	1,734	570	817	
Engine Purchase	7,225	114,697	121,922		147	2,667	573	1,498	
Electrical Gear Repair	5,225	27,973	33,197		107	651	370	421	
Electrical Gear Purchase	3,082	30,450	33,532		63	708	179	410	
Hull Repair	8,815	97,064	105,879		180	2,257	532	1,120	
Hull Purchase	7,313	34,398	41,711		149	800	570	332	
Other Gear Repair	28,555	104,934	133,490		583	2,440	503	2,316	
Other Gear Purchase	16,691	124,908	141,599		341	2,905	854	1,335	
Vessel Insurance	8,902	50,800	59,702		182	1,181	569	954	
Storage	4,986	32,466	37,451		102	755	285	622	
Interest	20,205	98,499	118,704		412	2,291	1,239	1,233	
Federal Taxes	65,090	48,854	113,944		1,328	1,136	613	397	
State Taxes	12,375	8,864	21,240		253	206	149	71	
Boat Reg Fees	0	10,541	10,541		0	245	0	185	
Permit Fees	28,096	20,989	49,085		573	488	144	217	
Commercial License	4,720	3,679	8,399		96	86	18	32	
Slip	9,305	86,115	95,420		190	2,003	549	926	
Other Slip	1,426	425	1,851		29	10	144	60	

Table 11 continued. 2006 Economic Summary for the CA HERRING GILLNET Operational Configuration

Variable Cost Category	Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs
	Unclassified	≥ 26		Unclassified	≥ 26	
<b>Bait</b>	0	0	0	0	0	0
<b>Wage</b>	15,778	102,926	118,703	322	2,394	1,890
<b>Food</b>	16,841	32,999	49,840	344	767	651
<b>Fuel</b>	32,813	81,605	114,418	670	1,898	1,659
<b>Harbor</b>	1,525	8,469	9,994	31	197	147
<b>Ice</b>	12,035	9,641	21,676	246	224	90
<b>Transportation</b>	18,653	21,837	40,490	381	508	317
<b>Membership</b>	6,604	4,348	10,952	135	101	37
<b>Landing Taxes</b>	7,417	8,342	15,759	151	194	200
		<b><u>TOTAL</u></b>		<b><u>AVERAGE</u></b>		
<b>GRAND TOTAL COSTS</b>	351,775	1,240,401	<b>1,592,176</b>	7,179	28,847	n/a
<b>EX-VESSEL REVENUE</b>	203,065	224,160	<b>427,225</b>	4,144	5,213	n/a
<b>EX-VESSEL NET REVENUE</b>	-148,710	-1,016,241	<b>-1,164,951</b>	-3,035	-23,634	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Herring Gillnet OC**

Respondents' average years in the industry<sup>1</sup>: 32

Average age of fishing vessel<sup>1</sup>: 29

Average number of days per trip<sup>1</sup>: 2.4

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	0	n/a
Restaurant	0	n/a
Processor	58	100
Outside CA	8	100

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worst" and "worse than normal" (1.5)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of fees. Other concerns include fuel costs, resource problems/habitat, the poor 2006 season, and low price of catch.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Francisco	San Francisco
Marin	Marin
n/a	n/a

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 12. 2006 Economic Summary for the CA HOOK & LINE Operational Configuration**

Number of Participating Fishermen = 508

Number of Participating Fishermen in Size Class:

Unclassified = 138  
 < 26' = 207

26' - 36' = 108  
 > 36' = 74

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'	> 36'
<b>Fixed Cost Category</b>													
<b>Engine Repair</b>	31,360	162,252	74,163	41,426	309,201	226	803	687	567	1,292	1,153	789	799
<b>Engine Purchase</b>	28,835	188,684	170,415	21,151	409,085	207	934	1,578	290	574	835	3,991	419
<b>Electrical Gear Repair</b>	31,754	32,807	26,437	29,848	120,846	228	162	245	409	2,121	177	393	545
<b>Electrical Gear Purchase</b>	16,612	59,857	40,378	18,237	135,084	120	296	374	250	483	322	1,266	302
<b>Hull Repair</b>	39,011	87,916	83,709	104,419	315,056	281	435	775	1,430	2,134	678	945	2,424
<b>Hull Purchase</b>	11,686	61,859	35,105	22,118	130,769	84	306	325	303	240	232	354	432
<b>Other Gear Repair</b>	59,314	170,566	76,790	72,390	379,060	427	844	711	992	606	701	761	1,200
<b>Other Gear Purchase</b>	42,186	120,134	102,950	98,573	363,844	303	595	953	1,350	781	536	1,041	1,662
<b>Vessel Insurance</b>	39,616	86,333	38,638	34,293	198,880	285	427	358	470	2,125	505	809	1,539
<b>Storage</b>	16,774	89,088	26,336	15,646	147,844	121	441	244	214	260	325	274	270
<b>Interest</b>	29,487	50,640	53,814	62,958	196,900	212	251	498	862	688	536	788	1,397
<b>Federal Taxes</b>	96,133	155,815	68,539	41,867	362,354	692	771	635	574	536	531	1,076	696
<b>State Taxes</b>	19,462	28,382	20,047	7,101	74,991	140	141	186	97	128	96	834	96
<b>Boat Reg Fees</b>	0	29,154	8,606	8,492	46,252	0	144	80	116	0	131	152	312
<b>Permit Fees</b>	9,123	20,470	5,545	4,836	39,975	66	101	51	66	135	167	108	137
<b>Commercial License</b>	6,832	11,873	3,447	1,864	24,016	49	59	32	26	41	39	36	31
<b>Slip</b>	24,269	154,676	81,530	55,902	316,376	175	766	755	766	491	679	878	962
<b>Other Slip</b>	3,381	1,232	80	361	5,054	24	6	1	5	255	46	5	27

**Table 12 continued. 2006 Economic Summary for the CA HOOK & LINE Operational Configuration**

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs				
	Unclassified	< 26'	> 36'		Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'		
<b>Variable Cost Category</b>												
<b>Bait</b>	42,060	151,100	70,007	307,198	307	733	642	603	605	2,713	2,758	1,904
<b>Wage</b>	137,374	360,281	84,576	618,764	1,003	1,749	776	500	6,275	2,513	1,281	898
<b>Food</b>	26,095	71,584	29,370	157,741	190	347	269	420	268	399	464	1,444
<b>Fuel</b>	69,995	189,872	84,289	455,707	511	922	773	1,528	926	1,065	2,121	7,095
<b>Harbor</b>	9,463	419,207	38,916	476,823	69	2,035	357	127	271	20,201	1,106	772
<b>Ice</b>	14,017	30,617	14,553	71,486	102	149	134	168	177	633	558	384
<b>Transportation</b>	74,115	211,354	48,932	370,782	541	1,026	449	498	784	1,509	537	1,053
<b>Membership</b>	12,857	36,094	10,656	64,641	94	175	98	69	160	619	180	210
<b>Landing Taxes</b>	1,363	1,495	1,209	5,199	10	7	11	16	34	16	41	23
			<b>TOTAL</b>			<b>AVERAGE</b>						
<b>GRAND TOTAL COSTS</b>	893,176	2,983,340	1,299,037	<b>6,103,927</b>	6,466	14,628	11,996	12,717	n/a	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	298,435	525,663	134,299	<b>1,174,486</b>	2,163	2,336	1,188	2,806	n/a	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	-594,741	-2,457,677	-1,164,738	<b>-4,929,441</b>	-4,304	-12,291	-10,807	-9,911	n/a	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Hook & Line OC**

Respondents' average years in the industry<sup>1</sup>: 23

Average age of fishing vessel<sup>1</sup>: 29

Average number of days per trip<sup>1</sup>: 1.7

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	12	43
Restaurant	10	48
Processor	47	91
Outside CA	1	70

Likert scale rating of 2006 fishing year<sup>1</sup>: Between “worse than normal” and “normal” (2.2)

Comments and concerns<sup>1</sup>: Regulations and restrictions is the greatest concern of surveyed fishermen. Marine Protected Areas/area closures and DFG, California, and Federal issues are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Luis Obispo	San Francisco
Monterey	Monterey
San Francisco	San Mateo

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 13. 2006 Economic Summary for the CA HOOK & LINE LIVE Operational Configuration**

Number of Participating Fishermen = 265

Number of Participating Fishermen in Size Class:

Unclassified = 74      26' - 36' = 72  
 < 26' = 108      > 36' = 39

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36' > 36'		Unclassified	< 26'	26' - 36' > 36'	Unclassified	< 26'	26' - 36' > 36'			
<b>Fixed Cost Category</b>													
<b>Engine Repair</b>	10,335	78,523	56,438	20,732	166,028	150	755	784	518	373	672	773	745
<b>Engine Purchase</b>	10,717	103,262	97,245	10,823	222,047	155	993	1,351	271	313	1,040	1,258	343
<b>Electrical Gear Repair</b>	8,396	17,068	16,077	15,809	57,350	122	164	223	395	724	187	200	563
<b>Electrical Gear Purchase</b>	3,995	29,325	19,444	11,089	63,852	58	282	270	277	115	249	242	357
<b>Hull Repair</b>	6,892	45,948	57,761	50,517	161,118	100	442	802	1,263	285	526	726	2,122
<b>Hull Purchase</b>	7,811	33,674	24,935	11,588	78,007	113	324	346	290	385	294	307	405
<b>Other Gear Repair</b>	28,442	89,320	56,990	39,537	214,289	412	859	792	988	947	802	712	1,319
<b>Other Gear Purchase</b>	22,683	66,707	71,734	52,422	213,545	329	641	996	1,311	1,099	659	903	1,689
<b>Vessel Insurance</b>	8,915	46,779	20,811	26,653	103,158	129	450	289	666	305	652	471	1,628
<b>Storage</b>	5,140	47,703	19,582	8,584	81,010	74	459	272	215	154	412	250	246
<b>Interest</b>	18,071	26,006	40,888	30,497	115,462	262	250	568	762	1,144	432	774	1,006
<b>Federal Taxes</b>	39,345	78,068	42,806	23,353	183,573	570	751	595	584	455	540	447	569
<b>State Taxes</b>	7,686	13,898	7,456	4,029	33,069	111	134	104	101	90	82	83	99
<b>Boat Reg Fees</b>	0	14,290	4,836	5,117	24,243	0	137	67	128	0	155	99	408
<b>Permit Fees</b>	7,141	18,489	5,605	3,761	34,996	103	178	78	94	130	175	90	177
<b>Commercial License</b>	2,573	5,236	2,372	1,059	11,240	37	50	33	26	33	31	32	35
<b>Slip</b>	8,219	74,815	54,179	27,456	164,669	119	719	752	686	237	685	692	851
<b>Other Slip</b>	413	112	0	101	625	6	1	0	3	36	9	0	9

**Table 13 continued. 2006 Economic Summary for the CA HOOK & LINE Live Operational Configuration**

Vessel Size Class Variable Cost Category	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'	> 36'
<b>Bait</b>	110,245	116,851	74,759	95,644	397,498	1,490	1,102	1,038	2,452	8,273	4,879	6,216	10,350
<b>Wage</b>	28,946	178,809	60,049	38,890	306,693	391	1,687	834	997	787	2,036	1,360	1,506
<b>Food</b>	15,267	38,835	24,435	16,462	94,998	206	366	339	422	422	431	912	1,255
<b>Fuel</b>	39,454	103,554	44,110	65,312	252,429	533	977	613	1,675	1,251	1,219	1,031	5,907
<b>Harbor</b>	3,735	55,436	59,607	4,896	123,675	50	523	828	126	141	1,496	3,992	403
<b>Ice</b>	8,840	9,829	13,165	3,683	35,517	119	93	183	94	285	90	702	136
<b>Transportation</b>	43,850	107,880	35,107	25,422	212,259	593	1,018	488	652	1,259	1,051	550	1,169
<b>Membership</b>	2,865	13,107	7,666	1,577	25,215	39	124	106	40	56	291	213	43
<b>Landing Taxes</b>	580	795	817	497	2,689	8	7	11	13	19	18	14	19
			<b>TOTAL</b>				<b>AVERAGE</b>						
<b>GRAND TOTAL COSTS</b>	450,556	1,414,318	918,872	595,509	<b>3,379,255</b>	6,281	13,486	12,762	15,050	n/a	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	353,566	915,061	358,269	116,809	<b>1,743,705</b>	4,778	7,320	4,714	2,849	n/a	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	-96,990	-499,257	-560,603	-478,700	<b>-1,635,550</b>	-1,503	-6,165	-8,048	-12,201	n/a	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Hook & Line Live OC**

Respondents' average years in the industry<sup>1</sup>: 21

Average age of fishing vessel<sup>1</sup>: 29

Average number of days per trip<sup>1</sup>: 1.6

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	20	53
Restaurant	13	37
Processor	87	93
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worse than normal" and "normal" (2.5)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of regulations/restrictions. Marine Protected Areas/ area closures and DFG/California State/Federal issues were also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Luis Obispo	San Luis Obispo
Mendocino	Del Norte
Del Norte	Santa Barbara

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.



**Table 14. 2006 Economic Summary for the CA LOBSTER & CRAB Operational Configuration**

Number of Participating Fishermen = 211

Number of Participating Fishermen in Size Class:

Unclassified = 34      26' - 36' = 85  
 < 26' = 74              > 36' = 36

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs				
	Unclassified	< 26'	> 36'		Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'		
<b>Fixed Cost Category</b>												
<b>Engine Repair</b>	57,904	71,442	152,323	342,468	1,703	1,006	1,771	1,643	5,082	568	2,697	2,196
<b>Engine Purchase</b>	52,584	121,933	332,638	544,206	1,547	1,717	3,868	1,001	3,443	3,500	7,483	1,519
<b>Electrical Gear Repair</b>	12,014	15,423	48,746	118,718	353	217	567	1,150	782	247	1,273	1,626
<b>Electrical Gear Purchase</b>	17,646	27,839	47,515	116,840	519	392	552	644	1,596	193	368	439
<b>Hull Repair</b>	35,965	43,787	198,931	378,337	1,058	617	2,313	2,693	2,745	523	6,365	2,698
<b>Hull Purchase</b>	32,079	88,844	62,914	208,941	944	1,251	732	678	3,913	6,496	549	730
<b>Other Gear Repair</b>	124,685	87,925	160,864	495,947	3,667	1,238	1,871	3,310	10,000	855	1,646	4,615
<b>Other Gear Purchase</b>	39,346	86,521	245,862	566,654	1,157	1,219	2,859	5,268	1,322	1,407	3,723	12,512
<b>Vessel Insurance</b>	22,654	52,676	81,421	219,019	666	742	947	1,683	982	678	1,020	2,163
<b>Storage</b>	19,525	43,083	58,383	143,298	574	607	679	603	1,019	310	620	622
<b>Interest</b>	23,725	22,531	101,480	215,185	698	317	1,180	1,823	1,250	412	1,125	1,609
<b>Federal Taxes</b>	48,170	157,079	243,590	577,617	1,417	2,212	2,832	3,480	1,378	1,737	4,373	4,387
<b>State Taxes</b>	15,992	30,706	46,624	123,035	470	432	542	803	896	446	888	1,475
<b>Boat Reg Fees</b>	0	12,820	15,115	33,536	0	181	176	151	0	131	232	143
<b>Permit Fees</b>	3,985	11,383	16,767	40,771	117	160	195	233	159	246	254	254
<b>Commercial License</b>	2,391	5,934	5,965	16,219	70	84	69	52	39	31	38	38
<b>Slip</b>	29,403	95,012	138,389	329,418	865	1,338	1,609	1,800	1,120	739	1,039	1,666
<b>Other Slip</b>	350	0	1,628	2,351	10	0	19	10	60	0	120	61

Table 14 continued. 2006 Economic Summary for the CA LOBSTER & CRAB Operational Configuration

Vessel Size Class Variable Cost Category	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'	> 36'
<b>Bait</b>	64,893	280,475	287,541	191,331	824,240	1,966	3,790	3,383	5,171	2,189	9,042	9,067	7,795
<b>Wage</b>	85,446	214,735	288,550	162,689	751,420	2,589	2,902	3,395	4,397	3,834	2,723	4,896	6,298
<b>Food</b>	19,844	38,606	72,415	42,069	172,933	601	522	852	1,137	877	511	1,252	1,620
<b>Fuel</b>	69,600	120,208	183,521	120,547	493,876	2,109	1,624	2,159	3,258	3,370	1,784	3,602	4,725
<b>Harbor</b>	5,294	510,852	292,004	30,589	838,739	160	6,903	3,435	827	496	57,349	26,357	3,011
<b>Ice</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transportation</b>	25,787	89,202	96,201	81,073	292,263	781	1,205	1,132	2,191	707	947	1,064	5,365
<b>Membership</b>	9,916	25,845	25,164	10,021	70,946	300	349	296	271	489	1,620	620	340
<b>Landing Taxes</b>	2,983	5,682	9,048	4,262	21,976	90	77	106	115	224	159	212	208
			<b>TOTAL</b>				<b>AVERAGE</b>						
<b>GRAND TOTAL COSTS</b>	822,182	2,260,543	3,213,597	1,642,631	<b>7,938,953</b>	24,435	31,105	37,539	44,395	n/a	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	1,004,911	2,911,454	3,886,708	1,975,181	<b>9,778,254</b>	29,556	38,819	44,167	50,646	n/a	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	182,729	650,911	673,111	332,550	<b>1,839,301</b>	5,121	7,715	6,628	6,250	n/a	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Lobster & Crab OC**

Respondent's average years in the industry<sup>1</sup>: 26

Average age of fishing vessel<sup>1</sup>: 22

Average number of days per trip<sup>1</sup>: 1.6

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	22	41
Restaurant	12	10
Processor	76	97
Outside CA	5	30

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "normal" and "better than normal" (3.3)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of Marine Protected Areas. Regulations/restrictions and DFG, California State, and Federal issues are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Diego	San Diego
Santa Barbara	Santa Barbara
Los Angeles	Orange

Sources: 1 - Survey. 2 - 2006 CDFG landings receipt data.

**Table 15. 2006 Economic Summary for the CA LONGLINE Operational Configuration**

Number of Participating Fishermen = 147

Number of Participating Fishermen in Size Class:

Unclassified = 44      26' - 36' = 30  
 < 26' = 34              > 36' = 48

Vessel Size Class	Estimated Total Costs			Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'			
<b>Fixed Cost Category</b>	<b>ALL Fishermen</b>											
Engine Repair	32,099	21,014	38,319	128,263	746	600	1,270	815	2,742	730	1,748	979
Engine Purchase	24,955	27,539	27,570	138,676	580	787	2,021	587	2,002	1,076	2,859	940
Electrical Gear Repair	23,784	4,337	24,602	64,386	553	124	402	523	2,369	170	602	583
Electrical Gear Purchase	8,348	7,619	15,803	44,981	194	218	456	336	741	263	638	335
Hull Repair	84,068	13,605	115,287	253,596	1,955	389	1,401	2,453	7,383	585	2,005	3,784
Hull Purchase	13,628	8,793	20,760	59,721	317	251	570	442	1,258	314	785	525
Other Gear Repair	55,011	22,848	64,225	183,128	1,279	653	1,415	1,366	4,071	823	2,026	1,341
Other Gear Purchase	50,979	18,941	91,148	212,396	1,186	541	1,770	1,939	4,539	779	2,448	2,067
Vessel Insurance	37,129	7,942	38,235	98,773	863	227	533	814	4,076	458	829	1,600
Storage	9,539	12,171	16,145	51,892	222	348	484	344	717	429	705	543
Interest	55,348	6,712	74,986	157,739	1,287	192	714	1,595	6,509	378	1,004	2,422
Federal Taxes	79,403	28,256	88,052	256,402	1,847	807	2,093	1,873	2,709	1,507	4,025	3,050
State Taxes	19,150	5,311	14,033	50,306	445	152	407	299	1,140	292	794	461
Boat Reg Fees	0	3,075	7,666	14,620	0	88	134	163	0	129	206	416
Permit Fees	3,105	4,673	4,966	14,266	72	134	52	106	157	177	77	205
Commercial License	2,493	1,209	1,545	6,186	58	35	32	33	46	36	34	30
Slip	30,022	23,298	53,371	141,823	698	666	1,211	1,136	2,753	822	1,552	1,221
Other Slip	81	0	1,389	1,470	2	0	0	30	12	0	0	144

**Table 15 continued. 2006 Economic Summary for the CA LONGLINE Operational Configuration**

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs				
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'
<b>Variable Cost Category</b>												
<b>Bait</b>	108,759	10,986	14,779	170,712	2,472	314	477	787	8,583	503	600	1,380
<b>Wage</b>	1,113,689	62,062	80,350	1,347,028	25,311	1,773	2,592	1,977	163,606	4,722	4,615	6,388
<b>Food</b>	27,190	7,667	14,241	77,697	618	219	459	622	1,654	280	674	1,260
<b>Fuel</b>	129,214	24,987	40,371	272,523	2,937	714	1,302	1,695	14,113	1,043	1,975	3,291
<b>Harbor</b>	4,767	8,150	4,232	22,606	108	233	137	119	414	828	235	340
<b>Ice</b>	12,145	2,783	4,077	38,779	276	80	132	430	930	146	174	1,139
<b>Transportation</b>	60,817	24,886	23,473	138,510	1,382	711	757	638	4,908	850	1,042	775
<b>Membership</b>	5,178	2,223	2,270	13,142	118	64	73	75	213	170	114	130
<b>Landing Taxes</b>	1,710	168	836	5,487	39	5	27	60	69	9	38	110
			<b>TOTAL</b>									
<b>GRAND TOTAL COSTS</b>	1,992,610	361,256	618,666	3,965,107	45,566	10,322	20,923	21,255	n/a	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	1,271,669	294,162	1,059,648	3,819,345	28,902	8,171	26,491	22,959	n/a	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	-720,941	-67,094	440,982	-145,762	-16,665	-2,150	5,569	1,704	n/a	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Longline OC**

Respondents' average years in the industry<sup>1</sup>: 33

Average age of fishing vessel<sup>1</sup>: 19

Average number of days per trip<sup>1</sup>: 2

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	0	n/a
Restaurant	33	100
Processor	0	n/a
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: "normal" (3.0)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of permit allocation.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Monterey	Ventura
San Diego	Monterey
Orange	San Diego

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 16. 2006 Economic Summary for the CA NEARSHORE & GROUND FISH TRAP Operational Configuration**

Number of Participating Fishermen = 151

Number of Participating Fishermen in Size Class:

Unclassified = 36

ALL Vessel Sizes= 123

Fixed Cost Category	Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	ALL Vessel Sizes		Unclassified	ALL Vessel Sizes	Unclassified	ALL Vessel Sizes
Engine Repair	9,458	95,923	105,381	256	793	580	1,045
Engine Purchase	15,715	98,674	114,389	425	815	1,553	1,250
Electrical Gear Repair	7,681	49,759	57,440	208	411	596	593
Electrical Gear Purchase	10,840	40,785	51,625	293	337	784	476
Hull Repair	36,378	162,835	199,213	983	1,346	3,301	2,153
Hull Purchase	8,891	45,735	54,626	240	378	701	507
Other Gear Repair	38,771	140,371	179,142	1,048	1,160	2,724	1,502
Other Gear Purchase	38,048	168,268	206,316	1,028	1,391	2,857	1,924
Vessel Insurance	7,792	72,455	80,246	211	599	440	1,402
Storage	7,483	36,015	43,499	202	298	446	349
Interest	10,623	124,945	135,568	287	1,033	603	1,762
Federal Taxes	36,733	141,971	178,705	993	1,173	994	1,602
State Taxes	8,702	28,793	37,495	235	238	312	344
Boat Reg Fees	0	18,461	18,461	0	153	0	353
Permit Fees	2,791	13,679	16,470	75	113	155	172
Commercial License	1,648	3,898	5,546	45	32	41	32
Slip	20,864	113,921	134,785	564	941	2,049	1,239
Other Slip	497	279	777	13	2	64	18

**Table 16 continued. 2006 Economic Summary for the CA NEARSHORE & GROUND FISH TRAP Operational Configuration**

Variable Cost Category	Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	ALL Vessel Sizes		Unclassified	All Vessel Sizes	Unclassified	All Vessel Sizes
<b>Bait</b>	66,612	273,063	339,675	1,850	2,238	3,888	8,045
<b>Wage</b>	57,798	223,696	281,494	1,605	1,834	5,237	4,267
<b>Food</b>	9,994	55,205	65,199	278	453	510	815
<b>Fuel</b>	39,704	149,025	188,728	1,103	1,222	1,651	2,587
<b>Harbor</b>	13,211	40,993	54,204	367	336	2,060	1,301
<b>Ice</b>	6,985	20,426	27,411	194	167	296	453
<b>Transportation</b>	16,271	93,730	110,001	452	768	496	1,786
<b>Membership</b>	5,002	17,138	22,140	139	140	274	235
<b>Landing Taxes</b>	1,296	5,810	7,106	36	48	61	78
		<b><u>TOTAL</u></b>		<b><u>AVERAGE</u></b>			
<b>GRAND TOTAL COSTS</b>	479,789	2,235,853	<b>2,715,642</b>	13,130	18,419	n/a	n/a
<b>EX-VESSEL REVENUE</b>	346,423	1,497,036	<b>1,843,459</b>	9,623	10,770	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	-133,366	-738,817	<b>-872,183</b>	-3,507	-7,649	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Nearshore & Groundfish Trap OC**

Respondent's average years in the industry<sup>1</sup>: 23

Average age of fishing vessel<sup>1</sup>: 30

Average number of days per trip<sup>1</sup>: 1.5

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	3	100
Restaurant	7	100
Processor	37	100
Outside CA	3	100

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worse than normal" and "normal" (2.5)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of Marine Protected Areas and area closures. The poor 2006 season, regulations/restrictions, and DFG/California State/Federal issues are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Luis Obispo	Mendocino
Mendocino	San Luis Obispo
San Diego	San Diego

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 17. 2006 Economic Summary for the CA OTHER GILLNET Operational Configuration**

Number of Participating Fishermen = 92

Number of Participating Fishermen in Size Class:

Unclassified = 19      26' - 36' = 27  
 < 26' = 4                      > 36' = 43

Vessel Size Class	Estimated Total Costs			Estimated Average Costs			St. Deviation of Costs						
	Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'				
<b>Fixed Cost Category</b>	<b>ALL Fishermen</b>												
Engine Repair	11,686	117	43,454	80,143	135,400	615	29	1,609	1,864	1,111	21	893	1,378
Engine Purchase	4,764	140	94,919	42,343	142,166	251	35	3,516	985	415	28	4,556	983
Electrical Gear Repair	7,533	21	28,963	57,831	94,349	396	5	1,073	1,345	870	4	3,193	806
Electrical Gear Purchase	4,100	48	13,855	30,142	48,145	216	12	513	701	384	7	327	442
Hull Repair	12,767	57	68,580	221,378	302,782	672	14	2,540	5,148	1,154	12	4,582	4,454
Hull Purchase	5,062	49	19,483	44,579	69,173	266	12	722	1,037	409	9	399	780
Other Gear Repair	28,989	132	71,220	137,049	237,389	1,526	33	2,638	3,187	2,311	24	5,541	2,061
Other Gear Purchase	26,044	110	61,245	179,794	267,193	1,371	28	2,268	4,181	1,994	11	1,357	2,607
Vessel Insurance	19,460	116	23,699	107,946	151,222	1,024	29	878	2,510	1,787	29	858	3,589
Storage	7,455	73	14,326	26,602	48,457	392	18	531	619	975	13	291	395
Interest	10,325	36	40,828	166,926	218,115	543	9	1,512	3,882	976	7	1,471	3,491
Federal Taxes	38,121	171	69,069	103,109	210,471	2,006	43	2,558	2,398	2,235	19	4,001	2,403
State Taxes	6,912	32	13,429	18,639	39,012	364	8	497	433	357	3	784	474
Boat Reg Fees	0	27	7,818	6,426	14,272	0	7	290	149	0	5	537	164
Permit Fees	7,446	46	15,068	22,414	44,973	392	11	558	521	306	8	497	367
Commercial License	1,333	10	1,897	3,230	6,471	70	3	70	75	40	2	38	36
Slip	11,989	170	45,452	93,177	150,788	631	43	1,683	2,167	1,197	27	1,020	1,411
Other Slip	2,723	0	700	2,941	6,364	143	0	26	68	362	0	135	259

Table 17 continued. 2006 Economic Summary for the CA OTHER GILLNET Operational Configuration

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs		
	Unclassified	< 26'	> 36'		Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'
<b>Variable Cost Category</b>										
<b>Bait</b>	0	0	0	0	0	0	0	0	0	0
<b>Wage</b>	32,618	314	126,706	433,209	1,717	78	4,693	2,850	65	7,671
<b>Food</b>	25,299	162	35,665	109,192	1,332	41	1,321	2,512	41	2,215
<b>Fuel</b>	47,242	416	58,650	260,338	2,486	104	2,172	4,469	133	3,466
<b>Harbor</b>	964	5,375	826,766	1,155,273	51	1,344	30,621	109	2,274	98,988
<b>Ice</b>	25,396	34	55,715	218,070	1,337	9	2,064	2,312	5	2,882
<b>Transportation</b>	36,755	434	28,959	121,607	1,934	108	1,073	5,558	141	1,271
<b>Membership</b>	10,886	253	25,493	49,193	573	63	944	954	59	1,598
<b>Landing Taxes</b>	2,626	4	4,329	13,867	138	1	160	209	1	264
			<b>TOTAL</b>					<b>AVERAGE</b>		
<b>GRAND TOTAL COSTS</b>	388,497	8,348	1,796,288	<b>4,547,493</b>	20,447	2,087	66,529	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	704,121	1,153	1,136,941	<b>3,887,902</b>	37,059	288	40,605	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	315,624	-7,195	-659,347	<b>-659,591</b>	16,612	-1,799	-25,924	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Other Gillnet OC**

Respondent's average years in the industry<sup>1</sup>: 30

Average age of fishing vessel<sup>1</sup>: 36

Average number of days per trip<sup>1</sup>: 3.6

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	5	53
Restaurant	5	55
Processor	56	99
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: "normal" (2.9)

Comments and concerns<sup>1</sup>: The greatest two concerns of surveyed fishermen are the issues of Marine Protected Areas and problems caused by sea lions. Regulations/restrictions and high fuel prices are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Los Angeles	San Diego
San Diego	Los Angeles
Ventura	Ventura

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.



**Table 18. 2006 Economic Summary for the CA PRAWN TRAP Operational Configuration**

Number of Participating Fishermen in Size Class = 34

Fixed Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Engine Repair	63,110	1,856	2,556
Engine Purchase	43,984	1,294	1,239
Electrical Gear Repair	39,438	1,160	1,730
Electrical Gear Purchase	22,814	671	729
Hull Repair	116,526	3,427	4,418
Hull Purchase	25,549	751	611
Other Gear Repair	92,731	2,727	2,929
Other Gear Purchase	107,675	3,167	2,554
Vessel Insurance	68,815	2,024	4,219
Storage	24,483	720	918
Interest	79,389	2,335	2,503
Federal Taxes	279,823	8,230	12,300
State Taxes	56,466	1,661	2,375
Boat Reg Fees	7,441	219	193
Permit Fees	4,114	121	175
Commercial License	2,299	68	36
Slip	61,926	1,821	1,264
Other Slip	361	11	62

**Table 18 continued. 2006 Economic Summary for the CA PRAWN TRAP Operational Configuration**

Variable Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Bait	300,541	8,839	17,534
Wage	275,457	8,102	14,019
Food	30,522	898	1,406
Fuel	111,072	3,267	4,920
Harbor	5,728	168	311
Ice	30,760	905	1,814
Transportation	47,342	1,392	1,275
Membership	8,121	239	372
Landing Taxes	3,688	108	112
	<b><u>TOTAL</u></b>	<b><u>AVERAGE</u></b>	
<b>GRAND TOTAL COSTS</b>	<b>1,910,173</b>	56,182	n/a
<b>EX-VESSEL REVENUE</b>	<b>3,672,939</b>	102,026	n/a
<b>EX-VESSEL NET REVENUE</b>	<b>1,762,766</b>	45,845	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Prawn Trap OC**

Respondent's average years in the industry<sup>1</sup>: 24

Average age of fishing vessel<sup>1</sup>: 21

Average number of days per trip<sup>1</sup>: 2.8

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	17	5
Restaurant	17	4
Processor	100	99
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "normal" and "better than normal" (3.3)

Comments and concerns<sup>1</sup>: The price of catch, fees, MPA's/area closures, and the poor 2006 season were equally important concerns of surveyed fishermen.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Monterey	Monterey
Ventura	Ventura
Orange	San Diego

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 19. 2006 Economic Summary for the CA SALMON Operational Configuration**

Number of Participating Fishermen = 341

Number of Participating Fishermen in Size Class:

Unclassified = 73      26' - 36' = 124  
 < 26' = 84              > 36' = 60

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'	> 36'
<b>Fixed Cost Category</b>													
<b>Engine Repair</b>	77,041	88,151	215,164	84,695	465,052	1,014	1,075	1,778	1,460	3,276	1,195	731	890
<b>Engine Purchase</b>	75,136	110,301	369,602	48,859	603,897	989	1,345	3,055	842	1,772	1,775	1,214	847
<b>Electrical Gear Repair</b>	25,562	17,219	73,749	65,770	182,299	336	210	609	1,134	639	219	430	684
<b>Electrical Gear Purchase</b>	70,150	34,403	85,003	42,813	232,369	923	420	703	738	3,792	429	263	410
<b>Hull Repair</b>	71,366	42,485	227,017	189,599	530,467	939	518	1,876	3,269	1,943	430	791	2,731
<b>Hull Purchase</b>	43,999	35,208	103,989	44,077	227,273	579	429	859	760	1,331	388	378	473
<b>Other Gear Repair</b>	69,581	82,780	230,539	168,270	551,170	916	1,010	1,905	2,901	1,161	477	721	1,584
<b>Other Gear Purchase</b>	141,401	61,983	315,079	193,759	712,220	1,861	756	2,604	3,341	3,917	489	1,114	1,924
<b>Vessel Insurance</b>	43,005	40,484	81,823	53,149	218,461	566	494	676	916	1,288	483	794	1,141
<b>Storage</b>	23,746	50,224	76,809	33,013	183,792	312	612	635	569	363	272	274	420
<b>Interest</b>	51,325	21,826	213,110	132,862	419,123	675	266	1,761	2,291	1,419	201	1,337	1,737
<b>Federal Taxes</b>	81,062	84,451	154,154	73,782	393,449	1,067	1,030	1,274	1,272	599	431	457	935
<b>State Taxes</b>	15,665	16,352	27,059	13,084	72,160	206	199	224	226	168	184	81	157
<b>Boat Reg Fees</b>	0	19,951	30,655	12,638	63,244	0	243	253	218	0	172	187	190
<b>Permit Fees</b>	1,889	1,272	2,938	2,939	9,039	25	16	24	51	81	67	101	129
<b>Commercial License</b>	5,892	6,779	11,110	4,251	28,032	78	83	92	73	36	33	24	37
<b>Slip</b>	94,018	100,182	246,842	116,028	557,071	1,237	1,222	2,040	2,000	1,668	654	768	1,073
<b>Other Slip</b>	8,191	2,621	2,138	249	13,199	108	32	18	4	289	152	89	23

**Table 19 continued. 2006 Economic Summary for the CA SALMON Operational Configuration**

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs		
	Unclassified	< 26'	> 36'		Unclassified	< 26'	> 36'	Unclassified	< 26'	> 36'
<b>Variable Cost Category</b>										
<b>Bait</b>	25,967	26,262	65,374	210,240	333	316	536	469	806	1,255
<b>Wage</b>	95,011	123,307	216,460	550,201	1,218	1,486	1,774	1,826	1,656	1,831
<b>Food</b>	45,676	56,768	125,012	307,050	586	684	1,025	715	629	985
<b>Fuel</b>	115,117	84,630	167,464	508,291	1,476	1,020	1,373	2,343	975	1,143
<b>Harbor</b>	11,067	19,341	28,550	70,808	142	233	234	213	278	437
<b>Ice</b>	15,331	9,938	24,982	72,132	197	120	205	236	63	108
<b>Transportation</b>	72,225	70,451	134,886	343,403	926	849	1,106	961	1,002	703
<b>Membership</b>	13,031	8,000	14,927	41,956	167	96	122	343	65	120
<b>Landing Taxes</b>	5,287	2,010	9,669	23,505	68	24	79	96	34	94
			<b>TOTAL</b>							
<b>GRAND TOTAL COSTS</b>	1,297,740	1,217,376	3,254,106	7,589,901	16,941	14,787	26,840	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	658,962	261,617	1,103,370	2,801,917	9,027	3,078	8,898	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	-638,778	-955,759	-2,150,736	-4,787,984	-7,914	-11,709	-17,942	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Salmon OC**

Respondent's average years in the industry<sup>1</sup>: 26

Average age of fishing vessel<sup>1</sup>: 37

Average number of days per trip<sup>1</sup>: 2.1

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	19	42
Restaurant	6	68
Processor	74	89
Outside CA	2	47

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worst" and "worse than normal" (1.5)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the poor 2006 season. Restrictions/regulations and resource/habitat problems are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Sonoma	Sonoma
Monterey	Mendocino
Mendocino	San Francisco

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 20. 2006 Economic Summary for the CA SALMON & ALBACORE Operational Configuration**

Number of Participating Fishermen = 62

Number of Participating Fishermen in Size Class:

Unclassified = 10      26' - 36' = 8  
 < 26' = 6                      > 36' = 38

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'	> 36'
<b>Fixed Cost Category</b>													
<b>Engine Repair</b>	10,541	2,246	3,200	39,560	55,547	1,054	449	400	1,014	1,380	435	725	1,022
<b>Engine Purchase</b>	11,618	3,433	5,397	15,761	36,208	1,162	687	675	404	1,882	822	1,231	432
<b>Electrical Gear Repair</b>	3,049	1,366	1,041	29,485	34,941	305	273	130	756	372	487	205	691
<b>Electrical Gear Purchase</b>	2,167	659	1,224	16,965	21,015	217	132	153	435	274	100	247	414
<b>Hull Repair</b>	30,148	852	3,378	98,437	132,816	3,015	170	422	2,524	7,743	121	764	2,919
<b>Hull Purchase</b>	13,874	730	1,516	19,604	35,724	1,387	146	189	503	3,060	111	321	517
<b>Other Gear Repair</b>	9,463	2,990	3,230	67,331	83,014	946	598	404	1,726	1,461	659	737	1,608
<b>Other Gear Purchase</b>	21,151	1,696	4,501	84,396	111,743	2,115	339	563	2,164	3,834	171	965	2,027
<b>Vessel Insurance</b>	28,388	2,140	1,997	31,080	63,605	2,839	428	250	797	6,146	467	463	1,175
<b>Storage</b>	3,168	762	1,039	12,718	17,687	317	152	130	326	303	134	239	283
<b>Interest</b>	22,894	1,027	3,685	61,840	89,446	2,289	205	461	1,586	4,620	277	1,033	1,778
<b>Federal Taxes</b>	18,534	1,989	2,480	51,636	74,639	1,853	398	310	1,324	2,952	290	500	1,416
<b>State Taxes</b>	4,160	513	453	9,801	14,927	416	103	57	251	596	110	91	289
<b>Boat Reg Fees</b>	0	411	532	3,835	4,779	0	82	67	98	0	61	155	140
<b>Permit Fees</b>	177	103	98	658	1,036	18	21	12	17	56	46	12	43
<b>Commercial License</b>	588	155	150	1,698	2,592	59	31	19	44	47	24	34	39
<b>Slip</b>	13,016	1,545	3,536	46,679	64,776	1,302	309	442	1,197	1,745	325	875	1,134
<b>Other Slip</b>	1,096	57	14	452	1,618	110	11	2	12	284	26	5	52

**Table 20 continued. 2006 Economic Summary for the CA SALMON & ALBACORE Operational Configuration**

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'	> 36'
<b>Variable Cost Category</b>													
<b>Bait</b>	1,916	11,273	1,274	20,592	35,056	192	2,255	159	528	127	4,763	165	1,266
<b>Wage</b>	24,463	9,027	4,666	58,541	96,696	2,446	1,805	583	1,501	4,410	1,757	1,437	2,151
<b>Food</b>	6,936	1,049	1,262	26,428	35,676	694	210	158	678	858	173	345	1,118
<b>Fuel</b>	30,976	6,040	3,693	62,613	103,320	3,098	1,208	462	1,605	6,040	1,209	1,023	2,399
<b>Harbor</b>	5,083	6,784	381	3,725	15,972	508	1,357	48	96	1,373	2,122	106	149
<b>Ice</b>	5,260	1,999	326	8,757	16,341	526	400	41	225	1,155	627	88	228
<b>Transportation</b>	9,635	4,156	2,133	28,816	44,740	963	831	267	739	953	883	564	897
<b>Membership</b>	962	1,171	329	5,187	7,649	96	234	41	133	98	249	80	174
<b>Landing Taxes</b>	483	14	111	1,292	1,900	48	3	14	33	35	2	31	40
			<b>TOTAL</b>				<b>AVERAGE</b>						
<b>GRAND TOTAL COSTS</b>	279,744	64,188	51,644	807,888	<b>1,203,465</b>	27,974	12,838	6,456	20,715	n/a	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	82,476	13,565	16,292	437,849	<b>550,182</b>	8,248	2,261	2,037	11,522	n/a	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	-197,268	-50,623	-35,352	-370,039	<b>-653,283</b>	-19,727	-10,577	-4,419	-9,193	n/a	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Salmon & Albacore OC**

Respondent's average years in the industry<sup>1</sup>: 26

Average age of fishing vessel<sup>1</sup>: 34

Average number of days per trip<sup>1</sup>: 5.6

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	19	57
Restaurant	6	70
Processor	53	79
Outside CA	30	84

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worse than normal" and "normal" (2.2)

Comments and concerns<sup>1</sup>: The greatest concerns of surveyed fishermen are regulations/restrictions and sport fishing. The poor 2006 season and fuel costs are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Humboldt	Del Norte
Santa Cruz	Humboldt
Mendocino	Santa Cruz

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 21. 2006 Economic Summary for the CA SALMON & DUNGENESS CRAB – MEDIUM AND LARGE VESSELS Operational Configuration**

Number of Participating Fishermen = 148

Number of Participating Fishermen in Size Class:

Unclassified = 27       $\geq 26'$  = 123

Fixed Cost Category	Vessel Size Class		Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	$\geq 26'$	Unclassified	$\geq 26'$		Unclassified	$\geq 26'$	Unclassified	$\geq 26'$
Engine Repair	37,054	227,713	264,767	1,372	1,851	1,229	900		
Engine Purchase	46,265	226,620	272,885	1,714	1,842	3,319	1,542		
Electrical Gear Repair	19,288	154,234	173,522	714	1,254	909	1,203		
Electrical Gear Purchase	30,382	113,603	143,986	1,125	924	2,970	475		
Hull Repair	79,491	434,841	514,332	2,944	3,535	3,383	2,534		
Hull Purchase	30,195	130,631	160,826	1,118	1,062	1,982	1,340		
Other Gear Repair	85,154	412,567	497,722	3,154	3,354	3,438	2,589		
Other Gear Purchase	130,483	479,770	610,253	4,833	3,901	5,950	1,977		
Vessel Insurance	72,004	140,374	212,378	2,667	1,141	3,306	1,540		
Storage	23,000	90,741	113,742	852	738	1,098	380		
Interest	37,054	329,987	367,041	1,372	2,683	1,472	2,243		
Federal Taxes	101,124	450,213	551,337	3,745	3,660	4,125	3,624		
State Taxes	23,462	82,111	105,573	869	668	1,035	797		
Boat Reg Fees	0	44,296	44,296	0	360	0	284		
Permit Fees	419	9,721	10,140	16	79	50	135		
Commercial License	2,365	11,171	13,536	88	91	27	20		
Slip	51,347	308,748	360,095	1,902	2,510	1,477	973		
Other Slip	5,383	6,522	11,905	199	53	336	253		

**Table 21 continued. 2006 Economic Summary for the CA SALMON & DUNGENESS CRAB – MEDIUM AND LARGE VESSELS Operational Configuration**

Variable Cost Category	Vessel Size Class		Estimated Total Costs		Estimated Average Costs		St. Deviation of Costs	
	Unclassified	≥ 26'	ALL Fishermen	Unclassified	≥ 26'	Unclassified	≥ 26'	
<b>Bait</b>	136,084	220,019	356,103	5,040	1,774	13,539	5,003	
<b>Wage</b>	361,986	800,341	1,162,326	13,407	6,454	15,216	8,761	
<b>Food</b>	45,245	182,572	227,817	1,676	1,472	1,752	1,782	
<b>Fuel</b>	127,708	348,241	475,949	4,730	2,808	4,370	3,123	
<b>Harbor</b>	5,004	38,124	43,129	185	307	164	939	
<b>Ice</b>	11	70	80	0	1	2	5	
<b>Transportation</b>	63,020	182,283	245,302	2,334	1,470	2,063	1,184	
<b>Membership</b>	9,308	30,576	39,885	345	247	606	482	
<b>Landing Taxes</b>	19,411	34,884	54,296	719	281	732	314	
		<b>TOTAL</b>		<b>AVERAGE</b>				
<b>GRAND TOTAL COSTS</b>	1,542,248	5,490,975	<b>7,033,223</b>	57,120	44,522	n/a	n/a	
<b>EX-VESSEL REVENUE</b>	2,137,792	9,068,083	<b>11,205,875</b>	79,177	71,402	n/a	n/a	
<b>EX-VESSEL NET REVENUE</b>	595,544	3,577,108	<b>4,172,652</b>	22,057	26,881	n/a	n/a	

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Salmon & Dungeness CRAB – Medium and Large Vessels OC**

Respondent's average years in the industry<sup>1</sup>: 24

Average age of fishing vessel<sup>1</sup>: 41

Average number of days per trip<sup>1</sup>: 2.2

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	13	51
Restaurant	4	18
Processor	78	93
Outside CA	3	67

Likert scale rating of 2006 fishing year<sup>1</sup>: Between “worst” and “worse than normal” (1.8)

Comments and concerns<sup>1</sup>: The greatest two concerns of surveyed fishermen are the issues of regulations/restrictions and DFG/California State/Federal issues. The poor 2006 season and season length are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Mateo	Sonoma
Sonoma	San Mateo
Mendocino	Mendocino

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.



**Table 22. 2006 Economic Summary for the CA SALMON & DUNGENESE CRAB – SMALL VESSELS Operational Configuration**

Number of Participating Fishermen = 13

<b>Fixed Cost Category</b>	<b>Estimated Total Costs</b>	<b>Estimated Average Costs</b>	<b>St. Deviation of Costs</b>
Engine Repair	11,870	913	569
Engine Purchase	30,684	2,360	2,603
Electrical Gear Repair	3,436	264	211
Electrical Gear Purchase	7,930	610	756
Hull Repair	11,092	853	910
Hull Purchase	11,047	850	1,279
Other Gear Repair	17,858	1,374	771
Other Gear Purchase	15,965	1,228	1,034
Vessel Insurance	7,796	600	607
Storage	8,145	627	497
Interest	2,299	177	172
Federal Taxes	18,013	1,386	1,294
State Taxes	3,520	271	171
Boat Reg Fees	3,257	251	265
Permit Fees	1,468	113	174
Commercial License	1,034	80	34
Slip	17,468	1,344	826
Other Slip	0	0	0

**Table 22 continued. 2006 Economic Summary for the CA SALMON & DUNGENESE CRAB – SMALL VESSELS Operational Configuration**

Variable Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Bait	10,147	781	946
Wage	61,077	4,698	5,055
Food	6,527	502	321
Fuel	41,014	3,155	4,487
Harbor	4,751	365	541
Ice	0	0	0
Transportation	22,751	1,750	1,986
Membership	1,365	105	80
Landing Taxes	2,283	176	242
<b>GRAND TOTAL COSTS</b>	<b>TOTAL</b> 322,797	<b>AVERAGE</b> 24,831	n/a
<b>EX-VESSEL REVENUE</b>	<b>300,847</b>	23,142	n/a
<b>EX-VESSEL NET REVENUE</b>	<b>-21,950</b>	-1,688	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Salmon & Dungeness Crab – Small Vessels OC**

Respondent's average years in the industry<sup>1</sup>: 30

Average age of fishing vessel<sup>1</sup>: 29

Average number of days per trip<sup>1</sup>: 1.0

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	56	19
Restaurant	33	28
Processor	78	74
Outside CA	0	n/a

Likert Scale Rating of 2006 Fishing Year<sup>1</sup>: Between “worst” and “worse than normal” (1.8)

Comments and concerns<sup>1</sup>: Regulations and restrictions, transferability issues, fees and resource/habitat problems were equally important concerns of surveyed fishermen.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Marin	Marin
Sonoma	Mendocino
Mendocino	Sonoma

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 23. 2006 Economic Summary for the CA SEA URCHIN Operational Configuration**

Number of Participating Fishermen = 212

Number of Participating Fishermen in Size Class:

Unclassified = 104      26' - 36' = 95  
 < 26' = 28                      > 36' = 14

Vessel Size Class	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs					
	Unclassified	< 26'	26' - 36' > 36'		Unclassified	< 26'	26' - 36' > 36'	Unclassified	< 26'	26' - 36' > 36'			
<b>Fixed Cost Category</b>													
<b>Engine Repair</b>	63,570	33,513	252,520	18,727	368,332	611	1,156	2,658	1,441	1,599	1,348	3,950	1,005
<b>Engine Purchase</b>	115,874	52,594	472,729	9,028	650,226	1,114	1,814	4,976	694	4,087	4,374	8,172	813
<b>Electrical Gear Repair</b>	24,168	8,222	57,929	11,177	101,495	232	284	610	860	743	529	355	697
<b>Electrical Gear Purchase</b>	40,117	13,903	71,278	8,511	133,810	386	479	750	655	1,362	544	408	594
<b>Hull Repair</b>	79,149	16,176	219,639	24,594	339,557	761	558	2,312	1,892	2,466	599	1,296	1,818
<b>Hull Purchase</b>	26,568	13,532	93,908	6,994	141,003	255	467	989	538	588	506	537	397
<b>Other Gear Repair</b>	85,561	27,845	210,745	27,388	351,539	823	960	2,218	2,107	1,060	611	1,174	1,712
<b>Other Gear Purchase</b>	84,884	25,720	269,211	32,737	412,552	816	887	2,834	2,518	1,601	907	1,723	1,931
<b>Vessel Insurance</b>	38,289	24,929	124,995	24,789	213,001	368	860	1,316	1,907	753	748	1,627	2,094
<b>Storage</b>	25,945	16,036	75,066	8,290	125,338	249	553	790	638	353	457	552	789
<b>Interest</b>	50,893	6,624	156,489	19,302	233,307	489	228	1,647	1,485	1,422	165	1,924	1,308
<b>Federal Taxes</b>	195,443	43,370	216,355	25,686	480,854	1,879	1,496	2,277	1,976	2,090	1,595	2,367	2,161
<b>State Taxes</b>	31,280	11,170	42,874	4,866	90,191	301	385	451	374	299	758	749	423
<b>Boat Reg Fees</b>	0	5,193	17,487	1,961	24,640	0	179	184	151	0	123	141	132
<b>Permit Fees</b>	35,210	7,880	37,163	4,922	85,175	339	272	391	379	189	163	193	391
<b>Commercial License</b>	8,733	2,083	8,446	688	19,950	84	72	89	53	35	41	26	42
<b>Slip</b>	47,213	29,625	194,808	18,700	290,347	454	1,022	2,051	1,438	946	834	1,202	1,381
<b>Other Slip</b>	1,504	1,488	2,737	697	6,426	14	51	29	54	91	203	164	140

**Table 23 continued. 2006 Economic Summary for the CA SEA URCHIN Operational Configuration**

Vessel Size Class Variable Cost Category	Estimated Total Costs			ALL Fishermen	Estimated Average Costs			St. Deviation of Costs				
	Unclassified	< 26'	26' - 36'		> 36'	Unclassified	< 26'	26' - 36'	> 36'	Unclassified	< 26'	26' - 36'
<b>Bait</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wage</b>	117,054	80,494	384,439	657,662	1,126	2,875	3,963	6,306	2,013	2,642	3,776	8,260
<b>Food</b>	59,807	18,016	104,723	201,164	575	643	1,080	1,552	843	810	1,244	1,735
<b>Fuel</b>	140,648	49,067	359,769	635,952	1,352	1,752	3,709	7,206	2,215	2,356	5,382	16,455
<b>Harbor</b>	18,001	5,118	169,740	195,126	173	183	1,750	189	574	152	12,810	154
<b>Ice</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transportation</b>	150,442	33,673	195,322	398,608	1,447	1,203	2,014	1,598	2,362	1,041	2,192	1,339
<b>Membership</b>	17,551	2,914	26,926	48,897	169	104	278	125	300	77	471	111
<b>Landing Taxes</b>	5,998	899	6,654	14,348	58	32	69	66	63	35	56	85
			<b>TOTAL</b>			<b>AVERAGE</b>						
<b>GRAND TOTAL COSTS</b>	1,463,905	530,085	3,771,951	6,219,500	14,076	18,513	39,434	36,200	n/a	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	2,044,484	358,148	2,784,775	5,568,681	19,659	12,791	26,271	29,329	n/a	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	633,160	-169,293	-879,042	-650,819	8,736	-4,302	-5,605	-1,914	n/a	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Sea Urchin OC**

Respondent's average years in the industry<sup>1</sup>: 26

Average age of fishing vessel<sup>1</sup>: 28

Average number of days per trip<sup>1</sup>: 1.6

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	6	21
Restaurant	6	33
Processor	77	96
Outside CA	6	36

Likert Scale rating of 2006 fishing year<sup>1</sup>: Between "worse than normal" and "normal" (2.6)

Comments and concerns<sup>1</sup>: The greatest concern of surveyed fishermen is the issue of catch limits between Northern and Southern fishermen. Marine Protected Areas and Gear topics are also top concerns.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Santa Barbara	Santa Barbara
Ventura	Ventura
San Diego	Los Angeles

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 24. 2006 Economic Summary for the CA TRAWL - NORTHERN Operational Configuration**

Number of Participating Fishermen = 86

Number of Participating Fishermen in Size Class:

Unclassified = 23

All Vessel Sizes= 63

Fixed Cost Category	Vessel Size Class		Estimated Total Costs		Estimated Average Costs		St. Deviation of Costs	
	Unclassified	ALL Vessel Sizes	ALL Fishermen	Unclassified	ALL Vessel Sizes	Unclassified	ALL Vessel Sizes	
Engine Repair	14,703	165,410	180,113	639	2,626	1,181	1,206	
Engine Purchase	16,386	96,665	113,052	712	1,534	1,336	972	
Electrical Gear Repair	9,041	94,856	103,897	393	1,506	942	661	
Electrical Gear Purchase	5,098	35,452	40,550	222	563	404	264	
Hull Repair	34,033	493,401	527,434	1,480	7,832	3,251	4,656	
Hull Purchase	20,380	90,139	110,519	886	1,431	2,854	711	
Other Gear Repair	25,323	171,266	196,589	1,101	2,719	1,344	1,002	
Other Gear Purchase	31,497	315,416	346,913	1,369	5,007	2,345	2,149	
Vessel Insurance	39,729	58,914	98,643	1,727	935	4,308	2,525	
Storage	4,577	37,504	42,082	199	595	451	202	
Interest	24,759	311,613	336,372	1,076	4,946	3,266	3,358	
Federal Taxes	172,918	424,951	597,869	7,518	6,745	8,983	8,689	
State Taxes	40,134	84,313	124,447	1,745	1,338	2,313	1,797	
Boat Reg Fees	0	5,823	5,823	0	92	0	151	
Permit Fees	680	1,779	2,459	30	28	125	84	
Commercial License	1,956	5,268	7,225	85	84	32	28	
Slip	16,779	150,551	167,330	730	2,390	1,351	843	
Other Slip	1,657	0	1,657	72	0	346	0	

Table 24 continued. 2006 Economic Summary for the CA TRAWL – NORTHERN Operational Configuration

Variable Cost Category	Vessel Size Class		Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	ALL Vessel Sizes	ALL Vessel Sizes	Unclassified		ALL Vessel Sizes	Unclassified	ALL Vessel Sizes	
<b>Bait</b>	0	0	0	0	0	0	0	0	0
<b>Wage</b>	1,823,246	291,938	2,115,184	79,272	2,115,184	4,634	286,286	18,938	18,938
<b>Food</b>	18,925	44,699	63,623	823	63,623	710	1,217	1,360	1,360
<b>Fuel</b>	155,134	155,327	310,461	6,745	310,461	2,466	14,227	4,216	4,216
<b>Harbor</b>	1,685	17,697	19,382	73	19,382	281	125	1,330	1,330
<b>Ice</b>	64,191	182,409	246,600	2,791	246,600	2,895	3,573	3,519	3,519
<b>Transportation</b>	35,919	47,172	83,091	1,562	83,091	749	2,448	995	995
<b>Membership</b>	3,672	22,315	25,987	160	25,987	354	198	1,422	1,422
<b>Landing Taxes</b>	7,516	29,889	37,405	327	37,405	474	316	1,151	1,151
		<b>TOTAL</b>				<b>AVERAGE</b>			
<b>GRAND TOTAL COSTS</b>	2,569,941	3,334,766	<b>5,904,707</b>	111,737	<b>5,904,707</b>	52,933	n/a	n/a	n/a
<b>EX-VESSEL REVENUE</b>	3,008,522	6,835,139	<b>9,843,661</b>	130,805	<b>9,843,661</b>	106,799	n/a	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	438,581	3,500,373	<b>3,938,954</b>	19,069	<b>3,938,954</b>	53,866	n/a	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Trawl – Northern OC**

Respondent's average years in the industry<sup>1</sup>: 24

Average age of fishing vessel<sup>1</sup>: 48

Average number of days per trip<sup>1</sup>: 1.8

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	0	n/a
Restaurant	0	n/a
Processor	60	100
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: Between “worse than normal” and “normal” (2.7)

Comments and concerns<sup>1</sup>: There were no concerns or comments from the survey respondents.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Humboldt	Humboldt
Monterey	Mendocino
San Mateo	San Francisco

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.

**Table 25. 2006 Economic Summary for the CA TRAWL - SOUTHERN Operational Configuration**

Number of Participating Fishermen = 32

Number of Participating Fishermen in Size Class:

Unclassified = 11

≥ 26' = 23

Fixed Cost Category	Size Class		Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	≥ 26'	Unclassified	≥ 26'		Unclassified	≥ 26'	Unclassified	≥ 26'
Engine Repair	2,041	26,636	28,677			170	1,211	576	1,033
Engine Purchase	749	26,421	27,170			62	1,201	206	1,371
Electrical Gear Repair	528	18,917	19,445			44	860	144	895
Electrical Gear Purchase	1,117	14,265	15,382			93	648	316	728
Hull Repair	4,434	53,370	57,804			369	2,426	1,256	2,808
Hull Purchase	952	15,335	16,287			79	697	269	708
Other Gear Repair	3,933	44,065	47,998			328	2,003	244	1,715
Other Gear Purchase	5,216	56,240	61,456			435	2,556	1,307	2,150
Vessel Insurance	1,665	14,562	16,227			139	662	459	1,327
Storage	859	10,431	11,290			72	474	239	420
Interest	2,479	31,995	34,474			207	1,454	591	1,419
Federal Taxes	16,828	39,489	56,316			1,402	1,795	1,532	2,783
State Taxes	3,161	7,395	10,556			263	336	282	533
Boat Reg Fees	0	8,844	8,844			0	402	0	843
Permit Fees	3,487	4,514	8,002			291	205	307	256
Commercial License	784	1,315	2,099			65	60	46	46
Slip	718	33,715	34,433			60	1,533	189	1,240
Other Slip	0	280	280			0	13	0	60

Table 25 continued. 2006 Economic Summary for the CA TRAWL - SOUTHERN Operational Configuration

Variable Cost Category	Estimated Total Costs		ALL Fishermen	Estimated Average Costs		St. Deviation of Costs	
	Unclassified	≥ 26'		Unclassified	≥ 26'	Unclassified	≥ 26'
<b>Bait</b>	0	0	0	0	0	0	0
<b>Wage</b>	5,920	254,995	260,915	493	11,591	1,304	30,101
<b>Food</b>	1,092	13,962	15,054	91	635	106	1,309
<b>Fuel</b>	11,456	55,829	67,284	955	2,538	2,470	4,483
<b>Harbor</b>	1,815	362,286	364,101	151	16,468	349	47,612
<b>Ice</b>	2,830	38,748	41,579	236	1,761	215	3,899
<b>Transportation</b>	6,059	31,009	37,068	505	1,409	493	2,102
<b>Membership</b>	2,663	17,170	19,833	222	780	369	1,888
<b>Landing Taxes</b>	864	1,797	2,661	72	82	106	149
		<b>TOTAL</b>		<b>AVERAGE</b>			
<b>GRAND TOTAL COSTS</b>	81,648	1,183,586	<b>1,265,235</b>	6,804	53,799	n/a	n/a
<b>EX-VESSEL REVENUE</b>	332,672	735,068	<b>1,067,740</b>	30,243	31,959	n/a	n/a
<b>EX-VESSEL NET REVENUE</b>	251,024	-448,518	<b>-197,495</b>	23,439	-21,840	n/a	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Trawl - Southern OC**

Respondent's average years in the industry<sup>1</sup>: 33

Average age of fishing vessel<sup>1</sup>: 53

Average number of days per trip<sup>1</sup>: 1.0

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	0	n/a
Restaurant	0	n/a
Processor	20	98
Outside CA	0	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: Between "worst" and "worse than normal" (1.7)

Comments and concerns<sup>1</sup>: Regulations and restrictions, sea lions, fuel costs, MPA's/area closures, and the poor 2006 season were equally important concerns of surveyed fishermen.

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
Ventura	Ventura
Santa Barbara	Santa Barbara
Los Angeles	Los Angeles

Sources: 1 - Survey. 2 - 2006 CDFG landings receipt data.



**Table 26. 2006 Economic Summary for the CA TUNA/OTHER SEINE Operational Configuration**

Number of Participating Fishermen = 15

Fixed Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Engine Repair	12,817	915	1,334
Engine Purchase	6,053	432	654
Electrical Gear Repair	7,119	508	742
Electrical Gear Purchase	1,741	124	183
Hull Repair	41,797	2,985	4,452
Hull Purchase	7,025	502	758
Other Gear Repair	12,803	915	1,206
Other Gear Purchase	23,270	1,662	2,502
Vessel Insurance	7,658	547	1,396
Storage	2,696	193	257
Interest	21,205	1,515	2,476
Federal Taxes	34,558	2,468	3,620
State Taxes	7,291	521	730
Boat Reg Fees	1,363	97	142
Permit Fees	50	4	7
Commercial License	340	24	36
Slip	9,836	703	1,077
Other Slip	530	38	142

Table 26 continued. 2006 Economic Summary for the CA TUNA/OTHER SEINE Operational Configuration

Variable Cost Category	Estimated Total Costs	Estimated Average Costs	St. Deviation of Costs
Bait	0	0	0
Wage	106,575	7,105	21,338
Food	5,616	374	706
Fuel	20,745	1,383	3,151
Harbor	26	2	7
Ice	4,113	274	428
Transportation	2,970	198	296
Membership	910	61	69
Landing Taxes	9,799	653	683
	<b>TOTAL</b>	<b>AVERAGE</b>	
<b>GRAND TOTAL COSTS</b>	<b>348,906</b>	<b>24,204</b>	n/a
<b>EX-VESSEL REVENUE</b>	<b>1,756,361</b>	<b>117,091</b>	n/a
<b>EX-VESSEL NET REVENUE</b>	<b>1,407,455</b>	<b>92,887</b>	n/a

Source: Costs: Estimates derived from survey -- in nominal 2006 dollars. Revenue: 2006 nominal CDFG landings receipt data.

**Descriptive Statistics for the CA Tuna/Other Seine OC**

Respondent's average years in the industry<sup>1</sup>: n/a

Average age of fishing vessel<sup>1</sup>: n/a

Average number of days per trip<sup>1</sup>: n/a

Average shares of activity by market channel category<sup>1</sup>:

Market Channel Category	% Resp. Active in Category	Average % Sales in Category for Those Active
Consumer	n/a	n/a
Restaurant	n/a	n/a
Processor	n/a	n/a
Outside CA	n/a	n/a

Likert scale rating of 2006 fishing year<sup>1</sup>: n/a

Comments and concerns<sup>1</sup>: n/a

3 Most important landing counties<sup>2</sup>

By Number of Trips	By Value of Catch
San Mateo	Los Angeles
Los Angeles	Ventura
Ventura	San Mateo

Sources: 1 – Survey. 2 – 2006 CDFG landings receipt data.