



Technical Appendix: Economic Impact of the Commercial Fisheries on Local County Economies from Catch in California National Marine Sanctuaries 2010, 2011 and 2012

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service
Office of National Marine Sanctuaries



September 2013

About the Marine Sanctuaries Conservation Series

The Office of National Marine Sanctuaries, part of the National Oceanic and Atmospheric Administration, serves as the trustee for a system of 14 marine protected areas encompassing more than 170,000 square miles of ocean and Great Lakes waters. The 13 national marine sanctuaries and one marine national monument within the National Marine Sanctuary System represent areas of America's ocean and Great Lakes environment that are of special national significance. Within their waters, giant humpback whales breed and calve their young, coral colonies flourish, and shipwrecks tell stories of our maritime history. Habitats include beautiful coral reefs, lush kelp forests, whale migrations corridors, spectacular deep-sea canyons, and underwater archaeological sites. These special places also provide homes to thousands of unique or endangered species and are important to America's cultural heritage. Sites range in size from one square mile to almost 140,000 square miles and serve as natural classrooms, cherished recreational spots, and are home to valuable commercial industries.

Because of considerable differences in settings, resources, and threats, each marine sanctuary has a tailored management plan. Conservation, education, research, monitoring and enforcement programs vary accordingly. The integration of these programs is fundamental to marine protected area management. The Marine Sanctuaries Conservation Series reflects and supports this integration by providing a forum for publication and discussion of the complex issues currently facing the sanctuary system. Topics of published reports vary substantially and may include descriptions of educational programs, discussions on resource management issues, and results of scientific research and monitoring projects. The series facilitates integration of natural sciences, socioeconomic and cultural sciences, education, and policy development to accomplish the diverse needs of NOAA's resource protection mandate. All publications are available on the Office of National Marine Sanctuaries Web site (<http://www.sanctuaries.noaa.gov>).

Technical Appendix: Economic Impact of the Commercial Fisheries on Local County Economies from Catch in California National Marine Sanctuaries 2010, 2011 and 2012

Vernon R. Leeworthy¹, Desiree Jerome², Kelsey Schueler³

1. NOAA, National Ocean Service, Office of National Marine Sanctuaries
2. Clark University, NOAA Summer Fellow
3. Monterey Institute of International Studies, Center for the Blue Economy Summer Fellow



U.S. Department of Commerce
Penny Pritzker, Secretary

National Oceanic and Atmospheric Administration
Kathryn Sullivan, Ph.D.
Acting Under Secretary of Commerce for Oceans and Atmosphere

National Ocean Service
Holly Bamford, Ph.D., Assistant Administrator

Silver Spring, Maryland
September 2013

Office of National Marine Sanctuaries
Daniel J. Basta, Director

Disclaimer

Report content does not necessarily reflect the views and policies of the Office of National Marine Sanctuaries or the National Oceanic and Atmospheric Administration, nor does the mention of trade names or commercial products constitute endorsement or recommendation for use.

Report Availability

Electronic copies of this report may be downloaded from the Office of National Marine Sanctuaries web site at <http://sanctuaries.noaa.gov>. Hard copies may be available from the following address:

National Oceanic and Atmospheric Administration
Office of National Marine Sanctuaries
SSMC4, N/ORM62
1305 East-West Highway
Silver Spring, MD 20910

Cover

Commercial fishing boats in Monterey Harbor by Kip Evans.

Suggested Citation

Leeworthy, Vernon R., Desiree Jerome and Kelsey Schueler. 2013. Technical Appendix: Economic Impact of the Commercial Fisheries on Local County Economies from Catch in California National Marine Sanctuaries 2010, 2011 and 2012. Marine Sanctuaries Conservation Series ONMS-13-07. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Office of National Marine Sanctuaries, Silver Spring, MD, pp259.

Contact

Vernon R. (Bob) Leeworthy
NOAA/NOS/Office of National Marine Sanctuaries
1305 East West Highway, SSMC4, 11th floor
Silver Spring, MD 20910
Telephone: (301) 713-7261
Fax: (301) 713-0404
E-mail: Bob.Leeworthy@noaa.gov

Abstract

This report documents the data and methods of estimation used in estimating the economic impact of commercial fishing catch from all four National Marine Sanctuaries in California on local county economies in terms of harvest revenue received by fishermen and the associated economic impacts, including multiplier impacts, on total output, value added, income and the number of full- and part-time jobs.

Key Words

Commercial fishing, economic impact, harvest revenue, output, value added, income, employment

Table of Contents

	Page
Abstract.....	i
Introduction.....	1
Data Sources.....	1
Economic Model.....	1
Economic Impact.....	1
Chapter 1: Preparation of CDFW-CFIS Landings Data.....	3
Species/Species Groups.....	3
Special Requests.....	7
Gear Types.....	7
Port Complexes.....	8
Catch Condition.....	9
National Marine Sanctuary Definition using CDFW Blocks.....	9
Chapter 2: Estimation of the Economic Impact on Local County Economies.....	14
Operational Categories (OCs).....	14
Operational Definitions of OCs.....	14
OC1: Trawl – Northern California.....	15
OC2: Trawl – Southern California.....	15
OC3: CPS Seine.....	15
OC4: Herring Gillnet.....	16
OC5: Other Gillnet.....	16
OC6: Salmon.....	16
OC7: Salmon & Albacore.....	16
OC8: Salmon & Dungeness Crab – Small Vessels.....	16
OC9: Salmon & Dungeness Crab – Mid to Large Vessels.....	16
OC10: Dungeness Crab – Small Vessels.....	16
OC11: Dungeness Crab – Mid to Large Vessels.....	16
OC12: Longline.....	17
OC13: Harpoon-Spear.....	17
OC14: Hook & Line.....	17
OC15: Hook & Line – Live.....	17
OC16: Lobster & Crab.....	17
OC17: Nearshore & Groundfish Trap.....	17
OC18: Prawn Trap.....	17
OC19: Sea Urchin.....	17
OC20: Tuna – Other Seine.....	17

Table of Contents (continued)

	Page
COFHE Model Results.....	18
References.....	30
Appendix 1: Species codes.....	32
Appendix 2: Gear Codes.....	44
Appendix 3: Port Codes.....	47
Appendix 4: County Codes.....	52
Appendix 5: COFHE Models for 2012.....	55

List of Figures and Tables

Figure	Page
1.1 CDFG Fishing Blocks that define the CINMS and the Counties where most of the Economic Impact takes place.....	12
1.2 CDFG Blocks that define CBNMS, GFNMS, and MBNMS and the Counties where most of the Economic Impact takes place.....	13

Table	Page
1.1 Value Conversion Factors to 2013 Dollars.....	3
1.2 Species/Species Groups for the CINMS.....	5
1.3 Species/Species Groups for the CBNMS, GFNMS, and MBNMS.....	6
1.4 Groundfish Definition.....	7
1.5 Gear Type Groups.....	8
1.6 Port Complexes.....	9
1.7 Catch Condition Codes.....	10
1.8 Definition of National Marine Sanctuaries for where Fish are Caught using CDFW-CFIS Blocks.....	11
2.1 Operational Categories for the COFHE Model.....	15
2.2 Economic Impact on Local County Economies from Commercial Fishing in The CBNMS, 2010 (2013 \$).....	18
2.3 Economic Impact on Local County Economies from Commercial Fishing in the CBNMS, 2011 (2013 \$).....	19
2.4 Economic Impact on Local County Economies from Commercial Fishing in the CBNMS, 2012 (2013 \$).....	19
2.5 Economic Impact on Local county Economies from Commercial fishing in the CBNMS, 3-year Average 2010, 2011 and 2012 (2013 \$).....	20
2.6 Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 2010 (2013 \$).....	20
2.7 Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 2011 (2013 \$).....	21
2.8 Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 2012 (2013 \$).....	21
2.9 Economic Impact on Local county Economies from Commercial fishing in the CINMS, 3-year Average 2010, 2011 and 2012 (2013 \$).....	22
2.10 Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 2010 (2013 \$).....	22

Table	Page
2.11 Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 2011 (2013 \$).....	23
2.12 Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 2012 (2013 \$).....	24
2.13 Economic Impact on Local county Economies from Commercial fishing in the GFNMS, 3-year Average 2010, 2011 and 2012 (2013 \$).....	25
2.14 Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 2010 (2013 \$).....	26
2.15 Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 2011 (2013 \$).....	27
2.16 Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 2012 (2013 \$).....	28
2.17 Economic Impact on Local county Economies from Commercial fishing in the MBNMS, 3-year Average 2010, 2011 and 2012 (2013 \$).....	29

Introduction

This report is part of a series of reports meeting the priorities in the “*Office of National Marine Sanctuaries (ONMS) West Coast Region Socioeconomic Plan FY 2013 – FY 2014*” and “national program priorities” on establishing the connection between sanctuary resource uses and local, regional and national economies. This report documents how economic impact estimates were made for the commercial fisheries in all four California National Marine Sanctuaries (NMS); Cordell Bank, Channel Islands, Gulf of the Farallones, and Monterey Bay. There are separate reports containing the results of the estimation for each NMS (Leeworthy et al 2013a, Leeworthy et al 2013b, Leeworthy et al 2013c, and Leeworthy et al 2013d). An additional report combines the results for all the NMS (Leeworthy et al 2013e).

Data Sources

Catch or Landings. For commercial fishing data, the California Department of Fish and Wildlife (CDFW) California Fishing Information System (CFIS) landings receipts database was used for years 2000 through 2012 (CDFW-CFIS 2013). The CDFW-CFIS contains daily landings by CDFW 10-minute by 10-minute blocks where the catch was made and by port and county where landed. Pounds and value of catch (revenue received by the fishermen) are also reported by species, gear used, and condition of catch when landed (e.g. live, dressed heads off, etc.). Additional information includes vessel identification and fisherman identification and length of vessel. The vessel identification and fisherman identification codes are recoded by CDFW to database arbitrary codes to protect privacy, but consistency over time is maintained so trends by vessel can be assessed as well as dependency on the fisheries inside and outside NMS. Appendices 1 - 4 contain the port, county, gear, and species codes provided by CDFW for the CFIS.

Economic Model. For the economic model, the California Ocean Fish Harvester Economic (COFHE) Model (Hackett et al 2009) was used. This model is based on a survey of the commercial fishing industry. Cost-and-earnings were obtained by 20 “*Operational Categories*” or OCs. The OCs are key to the economic impact analyses. OCs are combinations of species, gear type, catch condition, and vessel length. Each OC has its own cost function and multipliers are derived from the IMPLAN Input-Output Model (MIG, Inc. 2010). CDFW provides the multipliers for translating harvest revenue landed in each county to the estimated economic impact for each county measured in total output, value added, labor income (wages & salaries plus proprietors’ income), property income, indirect business taxes, and employment (number of full- and part-time jobs). Although not presented here due to excessive length, the models for estimating economic impact for 2010, 2011 and 2012 are available from the authors in Microsoft Excel workbooks for each NMS.

Economic Impact. Economic impact here is limited to the impacts of commercial fishing operations and the multiplier impacts from the spending in conducting their fishing operations.

The estimates underestimate the total economic impact because the COFHE Model used here did not include the processing, wholesaling, retail and restaurant market channels and market markups of the fish landed in each county. Only the costs of production from commercial fishing operations was included and the associated indirect and induced economic impacts (i.e. the ripple or multiplier impacts) of this spending. Although information on market channels and market-markups are presented in Hackett et al (2009), the information was not available at the county level to include in the COFHE Model.

The economic impacts estimated here relative to the “full” economic impacts will vary greatly by fishery and county of landings. For fisheries characterized by little processing, wholesaling, local retail sales and local restaurant sales, the differences will be small. In these cases, most of the landings are exported out of the county with little added value locally. Estimating the market channels and market mark-ups by county should be a high priority for the next version of the COFHE Model. In the peer review of this document, one of the authors in Hackett et al, 2009 argued that the COFHE Model was designed to estimate the impacts of management strategies and regulations and the effects on processing, wholesaling, retail and restaurant markets would be minimal since these sectors can easily substitute lost catch from other places and therefore there would be little, if any, impacts on local economies. The reviewer also admitted that this might be less true for some processors.

In Leeworthy et al, 2005, the Fishery Economic Assessment Model (FEAM) developed by the Pacific Fishery Management Council (PFMC 1999) was used to estimate the potential economic impacts of the network of marine reserves (no-take areas) in the Channel Islands National Marine Sanctuary (CINMS). FEAM multipliers were very similar to the COFHE Model’s in that the IMPLAN input-output model was used to derive multipliers defined in terms of income to harvest revenues. The FEAM multipliers were only done for income in each county by species/species groups instead of OCs as in the COFHE Model and the FEAM multipliers included all market channels (e.g. processing, wholesaling, retailing and restaurant sales).

In 1998, the CINMS multipliers for income to harvest revenue (ratio of income generated at all market levels divided by harvest revenue) ranged from 1.2 for most *Finfish* to 4.5 for *Market Squid*, while for *Crab* it was 2.8. The overall average was about 3.1, which was heavily influenced by *Market Squid* which accounted for 59% of CINMS harvest revenue. In comparison, the COFHE Model income multipliers for CINMS averaged about 1.00 for years 2010 through 2012. So the total economic impact could be three times higher than was estimated here using the COFHE Model for the CINMS. We don’t have the FEAM multipliers for the other ONMS sites in California, but given the dominance of *Market Squid* and *Dungeness Crab* in MBNMS, the total economic impact for MBNMS could also be about three times higher than estimated here. For CBNMS and GFNMS, which are more dominated by *Finfish* catch, the multipliers for total economic impact are likely lower, probably less than 2.0, so the estimates of total economic impact for these sanctuaries could be double that estimated here for total income generated.

Chapter 1: Preparation of CDFW-CFIS Landings Data

Missing Value of Catch Data

Not all records in the CDFW-CFIS landings receipts database are complete, some contain missing information on the harvest revenue or the value the fishermen receive often referred to as “ex vessel value” in the fishery economics literature. When pounds of catch were available, missing information on value was interpolated using the average annual price per pound by species. Interpolation was required of only a fraction of one percent of all records from 2000 through 2012.

Conversion of Value to 2013 Dollars

All harvest values were adjusted for all years to 2013 dollars using the “Consumer Price Index for All Urban Workers 1982-84=100” (BLS 2013). Table 1.1 contains the conversion factors.

Table 1.1. Value Conversion Factors to 2013 Dollars

Year	CPI	CPI
	1982-84 = 100	2013=1.00
2000	172.2	1.3519
2001	177.1	1.3145
2002	179.9	1.2941
2003	184	1.2652
2004	188.9	1.2324
2005	195.3	1.1920
2006	201.6	1.1548
2007	207.3	1.1230
2008	215.3	1.0813
2009	214.5	1.0853
2010	218.05	1.0676
2011	224.9	1.0351
2012	229.6	1.0139
2013	232.8	1.0000

Source: U.S. Department of Labor, Consumer Price Index for All Urban Workers 1982-84=100.

Species/Species Groups

There are hundreds of species in the CDFW-CFIS database and each species has a three-digit code starting from “001” for *Tuna, yellow fin* to “999” *Fish, unspecified* (Appendix 1). To summarize catch by species/species groups for analyzing trends of the major fisheries, species

were organized into two sets of species/species groups; one for the Channel Islands National Marine Sanctuary (CINMS) that contained 27 species/species groups plus an *All Other* category and one for the other three NMS plus the expansion area which contained 23 species/species groups plus and *All Other* category. These two lists of species/species groups were a starting point for the analyses based on past reports and ONMS staff advice. These lists were altered after analyzing in detail the *All Other* category and results demonstrating that a particular species/species group was not significant. Some species/species groups in the *All Other* category were broken out, while others that were in the original list and were not significant were put in the *All Other* category. If value of landings (adjusted for inflation using the Consumer Price Index to 2013 dollars) was less than \$1,000, it was put in the *All Other* category.

For the CINMS, the species/species groups were organized to be consistent with what was done in Leeworthy et al (2003) and Leeworthy et al (2005) as part of the socioeconomic impact assessment of the marine protected areas in the CINMS. *Anchovies*, *Sardines* and *Mackerel* were aggregated into *Wetfish* in Leeworthy et al (2003) and in Leeworthy et al (2005). For the current analyses, all three species/species groups were broken out separately at the request of CINMS management/staff. There are many species of *Rockfish*. For CINMS, we maintained the aggregation of the species/species group *Rockfish*. However, three different groups were also created to reflect current management into *Shallow Nearshore Rockfish*, *Deeper Nearshore Rockfish* and *Shelf Rockfish*. The CINMS list of species/species groups that met the \$1,000 harvest value threshold for 2012 are listed in Table 1.2.

For the Cordell Banks National Marine Sanctuary (CBNMS), the Gulf of the Farallones National Marine Sanctuary (GFNMS), and the Monterey Bay National Marine Sanctuary (MBNMS) the list of species/species groups started out with a base list of 27 species/species groups and then was modified using the \$1,000 threshold for reporting. Some of the species/species groups were formed not just as groupings of species, but also gear type used (e.g. *Dover Sole-Thornyheads-Sablefish Trawl*, *Sablefish Non-trawl*, and *Dover Sole Non-trawl*). The species/species groups meeting the \$1,000 threshold for the CBNMS, GFNMS, and MBNMS are summarized in Table 1.3.

Table 1.2. Species/Species Groups for the CINMS

Species/Species Groups	Species Codes in Group Definition
Squid	710, 711
Urchin	752,753, 756
Spiny Lobsters	820
Crab	341, 342, 343, 800 to 809
Prawn & Shrimp	810, 819
Sea Cucumber	754, 755
Flatfish	200 to 240
Sablefish, Louvar, Whiting, Whitefish	190, 191, 195, 490, 495
Sardines	100, 101
Rockfish	245 to 259, 263 to 271, 651 to 676, 956 to 976
CA Scorpionfish, Cabezon, Thornyheads	260, 261, 262, 678, 679
Sculpin, Basses, Greenlings, Grenadier	272 to 292, 400, 410, 198
CA Sheephead	145
Mackerel	19, 50, 51, 52, 55
Anchovies	110, 111, 113
Swordfish	91
Shellfish	720 to 751, 760, 769, 781
Shark	96, 97, 98, 149 to 165, 167 to 169, 179
Yellowtail	40
Tuna	001 to 012
Salmon	300 to 306
All Other ¹	

1. Species Groups "Rays & Skates", "Surfperch", "Octopus", and "Smelts" were added to "All Other" for having a value less than \$1,000

Table 1.3. Species/Species Groups for the CBNMS, GFNMS, and MBNMS

Species/Species Groups	Species Codes in Group Definition	CBNMS	GFNMS	MBNMS
Market Squid	711		x	x
Dungeness Crab	800	x	x	x
Salmon	300 to 306	x	x	x
Coastal Pelagic	100, 101, 110, 113, 055, 051			x
Red Urchin	752			x
Spot Prawn	815		x	x
Sablefish Non-Trawl	190	x	x	x
Dover-Sole-Thornyheads-Sablefish Trawl	190, 211, 262, 678, 679	x		x
Dover Sole - Non-trawl	211			
Smelts	180,182,184,185, 186, 187		x	x
CA Halibut	222			x
Tuna	001 to 012 245, 247, 249, 250, 253 to 259, 263, 264, 265, 268, 269, 270, 271, 495, 653, 654, 657, 660, 661, 662, 663, 664, 666, 667, 668, 670 to 676 961, 962, 971, 974	x	x	x
Shelf Rockfish	961, 962, 971, 974	x	x	x
Shallow Nearshore Rockfish	251, 258, 260, 261, 456, 652, 659		x	x
Deeper Nearshore Rockfish	252, 267, 651, 655, 658, 665, 958, 970, 976	x	x	x
Other Flatfish	200 to 210, 212 to 221, 230 to 240		x	x
Sandabs	225, 226, 227, 228	x	x	x
Hagfish	457			x
Lingcod	195	x	x	x
Sharks-Rays not White Shark or Big Skate	177 to 179		x	x
Pacific Herring & roe on kelp	121, 122	x	x	x
White Seabass ¹	400		x	x
Thornyheads Non-Trawl ¹	262, 678, 679		x	x
Rock Crab ¹	801	x	x	x
Grenadier ¹	198			x
Greenling, kelp ¹	290			x
Zebraperch ¹	602			x
Jumbo Squid ¹	710			x
Shrimp, unspecified ¹	814			x
Octopus, unspecified ¹	712			x
Crustacean, unspecified ¹	899			x
Sea Cucumber, warty ¹	757			x

1. Species Groups that were originally in the "All Other" category that were broken out because their value exceeded \$1,000.

Table 1.3. Species/Species Groups for the CBNMS, GFNMS, and MBNMS (continued)

Species/Species Groups	Species Codes in Group Definition	CBNMS	GFNMS	MBNMS
Bolina Rockfish ¹	957			x
CA Spiny Lobster ¹	818			x
Shrimp. Red Rock ¹	818	x	x	
Shrimp, coonstriped ¹	817	x		
Slope Rockfish ¹	975	x	x	x
All Other				
-				

1. Species Groups that were originally in the "All Other" category that were broken out because their value exceeded \$1,000.

Special Requests. ONMS sites made a couple of special requests for species/species groups. For the CBNMS, *Groundfish* was created since this is a grouping that receives special management (Table 1.4).

Table 1.4. Groundfish Definition

Species/Species Group	Species Codes in Group Definition
Groundfish	147, 152, 153, 159, 166, 176, 177, 190, 195, 197, 198, 198, 200 to 273, 262, 290, 495, 651 to 679, 956 to 976

Gear Types

CDFW-CFIS has 65 gear type codes (Appendix 2). Initially, eight gear type groups, plus an *All Other* category were formed based on ONMS management/staff advice. Preliminary analysis revealed too much of the catch was relegated to the *All Other* category, so several additional groupings were formed leading to 11 gear type groups, plus an *All Other*. A small percent, for which gear codes were missing, are reported as *Unspecified* (Table 1.5). It is also true that some gears have been restricted over time by fishery managers so some gear type groups that accounted for significant portions of catch in the early 2000s now account for insignificant portions of catch (e.g. trawling, set gill nets, and drift gill nets).

Table 1.5. Gear Type Groups

Gear Type Groups	Gear Codes In each Group ¹
1. Troll	07, 08, 09, 32
2. Pots & Traps	20, 21, 22, 25, 27
3. Longlines	03, 04, 05, 30, 31
4. Hook & Line	01, 02, 06
5. Hooka - diving	13, 14, 15, 18
6. Set Gill Nets	66
7. Trawl	33, 34, 47 to 59
8. Purse Seine	71
9. Other Seine - Dip Nets	35, 40, 73, 74, 78
10. Drift Net	65
11. Harpoon - Spear	12
12. All Other	10, 16, 17, 19, 20, 23 to 26, 28, 36, 41, 42, 72, 80, 90, 91, 95
13. Unspecified	0

1. See Appendix 2 for gear codes.

Port Complexes

CDFW-CFIS has 122 port codes for where fish are landed. Each port is assigned a three-digit code starting at 201 for Crescent City to 889 for Chula Vista (Appendix 3). The code sheet provided by CDFW also contains the county where the port is located. Each county is assigned a two-digit code starting with 01 for Alameda County and ending with 58 for Yuba County (Appendix 4).

For some summaries, ONMS management/staff wanted the information organized by “port complex”. Ports were organized into nine port complexes (Table 1.6).

Table 1.6. Port Complexes

Port Complexes	Ports in each Complex ¹
1. Eureka	Crescent City (201), Orick (204), Klamath (210), Albion (211), Arcata (212), Point Arena (213), Shelter Cove (215), Fields Landing, (217), Humboldt Bay (219), Eureka (220), Trinidad (231), King Salmon (246)
2. Fort Bragg	Elk (222), Fort Bragg (223), Little River (227), Westport (233), Anchor Bay (427)
3. Bodega Bay	Suisun City (325), Pittsburg (345), Timber Cove (424), Drakes Bay (437), Dillion Beach (441), Marshall (462), Bodega Bay (473), Inverness (474), Point Reyes (476), Tomales Bay (477), Bolinas (487), Marconi Cove (488)
4. San Francisco	Benicia (341), Martinez (348), Crockett (357), Fremont (401), Foster City (409), Glen Cove (412), Newark (417), Emeryville (425), San Leondro (430), Pacifica (439), San Francisco (440), Redwood City (442), Alviso (449), Pinole (450), Rodeo (451), Princeton-Half Moon (452), Vallejo (453), China Camp (455), Petaluma (459), Oakland (464), San Rafael (468), Sausalito (469), South San Francisco (470), Alameda (471), (471), Berkeley (472), richmond (478)
5. Monterey	Big Creek (515), Mill Creek (516), Willow Creek (517), Monterey (550), Moss Landing (592), Santa Cruz (593),
6. Morro Bay	Avila/Port San Luis (602), Morro Bay (606), San Simeon (615)
7. Santa Barbara	Gaviota Beach (604), Port Hueneme (605), Oxnard (608), Santa Barbara Harbor (611), Ventura (613), Goleta Beach (614), Gudalupe Beach (618), Surf Beach (621), Carpinteria (635)
8. Los Angeles	Malibu (729), Catalina Island (733), Avalon (741), Redondo Beach (742), Long Beach (743), Los Angeles (744), Terminal Island (745), Wilmington (746), Santa Monica (747), Newport Beach (748), Hermosa Beach (756), Seal Beach (760), Balboa (764), Dana Point (767), Huntington Beach (768), San Pedro (770), Marina Del Rey (776)
9. South Coast	Imperial Beach (868), Mission Bay (869), San Ydidro (870), San Diego (880), Point Loma (881), National City (882), Oceanside (883), Coronado (884), La Jolla (888), Cula Vista (889)

1. Port codes in parenteses. See Appendix 3 for Port codes.

Catch Condition

CDFW-CFIS also contains catch condition codes. This is important for the COFHE Model since one of the 20 OCs is the *Hook-and-Line Live* category. Special tanks to keep fish alive for sale are an important expense thus involving a different cost-and-earnings profile for this OC. There are only five different codes for catch condition (Table 1.7).

Table 1.7. Catch Condition Codes

Description	Codes
Dead in Round flesh	blank
Dressed Head off	2
Head and tail off	3
Dressed Head on	5
Live	6

National Marine Sanctuary Definitions using CDFW Blocks

To define catch within each NMS, overlays of CDFW-CFIS 10-minute by 10-minute blocks were overlaid in a geographical information system (GIS) with NMS boundaries. The “Centroid” rule was used i.e. if the center point of a block was within the NMS boundary, then it was included for counting catch as within the NMS, except for the CINMS. For the CINMS, the 22-block definition was established in the “Marine Reserve Process” (Leeworthy et al, 2003 and Leeworthy et al 2005). In that process, one-minute by one-minute distributions were obtained from the fishermen and most of the catch was within the first three miles (State Waters) of the six-mile CINMS boundary and were therefore fully in several of the partial blocks that did not include the centroid of the block. The overlays for CDFW-CFIS blocks and NMS boundaries are shown in Figures 1.1 and 1.2. Table 1.8 shows which block numbers were included broken down by those blocks that are fully within the NMS boundaries and those that are partially included (met the Centroid rule and thus included).

Table 1.8. Definition of National Marine Sanctuaries for where Fish are Caught using CDFW-CFIS Blocks

Sanctuary/Full or Partial Blocks	CDFW-CFIS 10-minute by 10-minute Blocks ¹
CBNMS (5)	
Full Blocks (2)	440, 441
Partial Blocks (3)	432, 442, 451
CINMS (22)	
Full Blocks (3)	690, 687, 711
Partial Blocks (19)	691, 689, 688, 686, 685, 684, 683, 706, 707, 708, 709, 710, 712, 713, 714, 744, 745, 764, 765
GFNMS (15)	
Full Blocks (8)	430, 438, 447, 448, 449, 457, 458, 459
Partial Blocks (7)	431, 439, 450, 456, 460, 466, 467
MBNMS (64)	
Full Blocks (47)	446, 464, 472, 473, 474, 475, 478, 479, 480, 481, 501, 502, 503, 507, 508, 509, 510, 511, 512, 516, 517, 518, 519, 520, 521, 525, 526, 527, 528, 529, 530, 532, 533, 534, 535, 538, 539, 540, 541, 547, 548, 549, 553, 554, 560, 561, 562
Partial Blocks (17)	465, 476, 482, 504, 505, 513, 522, 531, 536, 542, 550, 551, 601, 602, 603, 604, 568

1. See Figures 1.1 and 1.2 for maps with NMS boundaries overlaid on CDFW-CFIS Blocks.

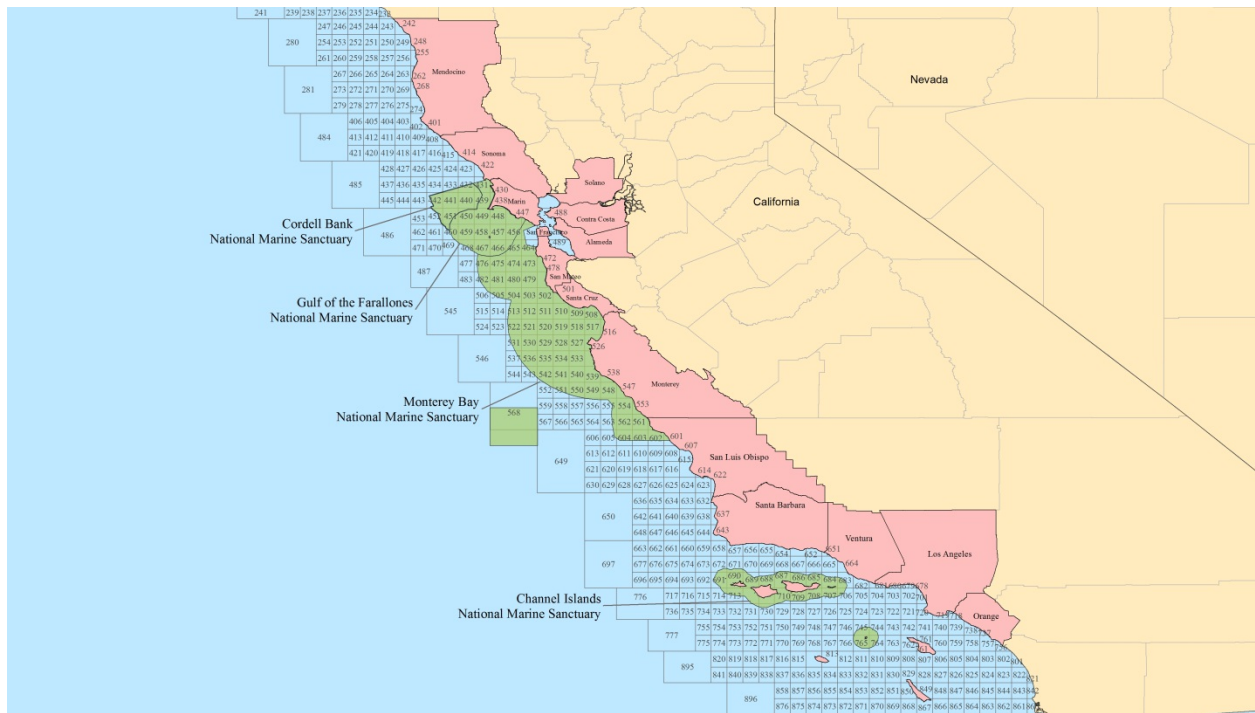


Figure 1.2 CDFG Blocks that define CBNMS, GFNMS and MBNMS and the Counties where Most of the Economic Impact takes place

Chapter 2: Estimation of the Economic Impact on Local County Economies

Operational Categories (OCs)

The first step in the economic impact analysis is to process the CDFW-CFIS harvest revenue into estimates for each OC. This is a complicated process since some OCs are a combination of species/species groups, gear types, vessel length, and catch condition. In two cases, *Salmon & Dungeness Crab* Small Vessels and *Salmon & Dungeness Crab* Mid to Large Vessels, one has to determine which vessels are engaged in both fisheries (i.e. *Salmon* and *Dungeness Crab*). These are seasonal fisheries, so part of the year the vessels classified in these OCs participate in both fisheries in a given year. This required running cross-tabulations by year, vessel, and each fishery (*Salmon* and *Dungeness Crab*) to determine which vessels would be classified in these two OCs. Cross-tabulations were also run for catch by gear type and species to determine which species to include in each OC definition. The 20 OCs in the COFEH Model are listed in Table 2.1.

Not all catch maps into one of the 20 OCs. In the reports for each NMS, the summary tables for each NMS include footnotes providing the percent of total harvest value for a given year that did not map into one of the 20 OCs. Generally, the percent of harvest revenue excluded from the economic impact estimates was only a fraction of one percent.

In addition to the exclusion from OCs, some catch was not included in the economic impact estimates because the catch was landed in distant ports outside the study area for which the main impacts take place. Generally, the amounts excluded were only a small fraction of one percent of the total harvest value for a given NMS in a given year.

Operational Definitions of OCs

Here the codes used for gear types, species, and catch condition that were used to define each OC are provided. For OCs that are also dependent on vessel length, length of vessel used is provided. It should be noted that not all OCs are mutually exclusive for computer coding, so sequencing of the computer code doesn't necessarily go from OC 1 to OC 20. OC codes that were not mutually exclusive were sequenced so that they were consistent with the catch reported by gear type (e.g. trawling and longlines). In addition, the CPS Seine (OC 3) and Tuna-Other Seine (OC 20) were sequenced with OC 3 placed after OC 20. The sequencing does make a difference in which OC catch is mapped to and the estimates on output, value added, income, and employment. In running the results in numerical order versus the altered sequence, no large differences were detected in the estimates of output, value added, and income, but significant differences were obtained for employment. Generally employment estimates were greater for the numerical ordering approach versus the altered sequencing approach used here.

Table 2.1. Operational Categories for the COFHE Model

Number	Operational Category
1	Trawl - Northern California
2	Trawl - Southern California
3	CPS Seine
4	Herring Gillnet
5	Other Gillnet
6	Salmon
7	Salmon & Albacore
8	Salmon & Dungeness Crab - Small Vessels
9	Salmon & Dungeness Crab - Mid to Large Vessels
10	Dungeness Crab - Small Vessels
11	Dungeness Crab - Mid to Large Vessels
12	Longline
13	Harpoon - Spear
14	Hook & Line
15	Hook & Line - Live
16	Lobster & Crab
17	Nearshore & Groundfish Trap
18	Prawn Trap
19	Sea Urchin
20	Tuna - Other Seine

Source: Hackett et al, 2009.

OC 1: Trawl - Northern California. Trawl is gear type number 7 (Table 1.5) and Northern California was defined by ports where landed catch, which included all ports 201 to 602 (Appendix 3).

OC 2: Trawl – Southern California. Trawl is gear type number 7 (Table 1.5) and Southern California was defined by ports where landed catch, which included all ports 604 to 889 (Appendix 3).

OC 3: CPS Seine. Gear is purse seine, which is gear type 8 in (Table 1.5). CPS species included *Market Squid* (species code 711, Appendix 1) *Sardines* (species codes 100 and 101, Appendix 1), *Anchovies* (species codes 110, 111, and 113, Appendix 1), and *Mackerel* (species codes 19, 50, 51, and 55). *Sardines*, *Anchovies*, and *Mackerel* are often referred to as the “Wetfish Fishery” because water pumps are used to pump the fish aboard from the purse seines, so they board the boat wet.

OC 4: Herring Gillnet. Gear included several types of gill nets and other nets used to catch *Herring*. Gear codes included 60, 61, 65, 66 and 70 (Appendix 2). Species included codes 105, 121, 122, and 995 (Appendix 1).

OC 5: Other Gillnet. Gear included several types of gill nets and other nets used to catch *Herring*. Gear codes included 60, 61, 65, 66 and 70 (Appendix 2). Species included all species caught by these gears not in OC 4 (Appendix 1).

OC 6: Salmon. This OC is a little more complicated because it includes species other than *Salmon*. For *Salmon*, gear included hook & line and trolling (gear codes 1 and 9, Appendix 2) and species included all *Salmon* (species codes 300, 301, 302, 303, 304 and 306, Appendix 1). For other species, gear used included gear codes 6, 8 and 9 (Appendix 2) and species included many *Groundfish* species including *Rockfish* (species codes 245 to 259, 263 to 271, 651 to 671 and 956 to 976, Appendix 1), *Flatfish* (species codes 200 to 245, Appendix 1), and *Lingcod* (species code 195, Appendix 1). *California Barracuda* (species code 130, Appendix 1) was also caught by the gear types used in this OC.

OC 7: Salmon & Albacore. In Hackett et al 2009, it was determined that this OC used the same gears as the *Salmon* OC, but that this OC should include those vessels that did not catch *Salmon*, but caught *Albacore*. Gears used included gear codes 1, 7 and 9 (Appendix 2) and species included *Albacore* (species code 5, Appendix 1), *Sablefish* (species code 190, Appendix 1), *Flatfish* (species codes 200 to 240) and *Thornyheads* (species codes 678 and 679).

OC 8: Salmon & Dungeness Crab – Small Vessels. This is one of the more complex OCs to create since as noted above it requires looking at whether a vessel engages in both the *Salmon* and *Dungeness Crab* fisheries each year during different seasons of the year. Small vessels were those of length less than 26 feet and caught *Salmon* (species codes 300, 301, 302, 303, 304, and 306) and *Dungeness Crab* (Species code 800).

OC 9: Salmon & Dungeness Crab – Mid to Large Vessels. This is one of the more complex OCs to create since as noted above it requires looking at whether a vessel engages in both the *Salmon* and *Dungeness Crab* fisheries each year during different seasons of the year. Mid to Large vessels were those of length greater than or equal to 26 feet and caught *Salmon* (species codes 300, 301, 302, 303, 304, and 306) and *Dungeness Crab* (species code 800, Appendix 1).

OC 10: Dungeness Crab- Small Vessels. This included vessels that only fished for *Dungeness Crab* (species code 800, Appendix 1) and vessel length was less than 26 feet.

OC 11: Dungeness Crab- Mid to Large Vessels. This included vessels that only fished for *Dungeness Crab* (species code 800, Appendix 1) and vessel length was greater than or equal to 26 feet.

OC 12: Longline. This included the use of gear type group 3 (Table 1.5). All species caught using this gear type were included.

OC 13: Harpoon-Spear. This is gear type group number 11 (Table 1.5) and could include any species, but this primarily includes *Swordfish*.

OC 14: Hook & Line. This includes gear type group number 4 (Table 1.5) and all species, except *Salmon* and *Albacore*, which are already accounted for in OCs 6 and 7.

OC 15: Hook & Line - Live. This includes gear type group number 4 (Table 1.5) and all species, except *Salmon* and *Albacore*, which are already accounted for in OCs 6 and 7. But the added condition for inclusion is the catch condition code for live catch (condition code 6, Table 1.7).

OC 16: Lobster & Crab. Gear is gear code 27 (Lobster and Crab trap, Appendix 2). Species codes include not only *lobster* and *crab*, but also many other species that probably represent by-catch (species codes 820, 341, 342, 343, 685, 686, 801, 802, 803, 804, 805, 806, 807, 808, 809, 712, 731, 732, 815, 452, 899, 826, 828, 830, 850, 999, 751, 752, 753, 755, 736, 747, 749, 689, 452, and 455).

OC 17: Nearshore & Groundfish Trap. Gear is gear code 21 (Fish trap, Appendix 2). Species codes include not only nearshore and groundfish species, but many species caught as by-catch by this gear (species codes 145, 147, 190, 260, 261, 457, 195, 290, 490, 200 to 240, 245 to 260, 263 to 272, 651 to 676, 956 to 976, 731, 3, 40, 51, 80, 100, 110, 153, 154, 159, 163, 165, 173, 174, 175, 180, 262 to 272, 280, 302, 345, 400, 420, 435, 450, 456, 473, 475, 478, 480, 483, 495, 501, 550, 551, 552, 558, 678, 679, 683, 736, 747, 146, 150, 168, 169, 182, 184, 184, 187, 324, 341, 825, 828, 997, 999, 342, 343, 452, 455, 479, 481, 485, 487, 554, 559, 562, 689, 732, 749, 752, 801, 813, 814, 815, 817, 820, 823, 699, 710, 711, 712, 803, 804, 805, 809, 810 and 899).

OC 18: Prawn Trap. Gear is gear code 22 (Prawn Trap, Appendix 2). Species includes not only Spot Prawn, but other species caught as by-catch (species codes 816, 813, 815, 817, 823, 827, 825, 828, 712, 731, 732, 752, 757, 801, 802, 803, 804, 805, 809, 810, 812, 814, 818, and 820).

OC 19: Sea Urchin. Gear includes gear codes 13, 15, and 18 (Appendix 2). Species includes not only *sea urchins* but other species caught by the gear as by-catch (species codes 452, 754, 755, 757, 753, 752, 756, 747, 731, 750, 751, 769, 799, 803, 805, 806, 809, 342, 680, 681, 682, 683, 684, 685, 687, 688, 699, 709, 711, 712, 719, 720, 729, 730, 732, 736, 740, 741, 742, 746, 749, 820, 821, 840, 850, 851, 860, 899, 950, and 953).

OC 20: Tuna – Other Seine. Gear types include the gear type group number 9 (Table 1.5). Species include all species caught with this gear, including many by-catch species (species codes 1, 2, 3, 4, 5, 9, 195, 421, 422, 420, 435, 423, 202, 208, 237, 211, 206, 204, 209, 207, 203, 205, 210, 212, 200, 674, 663, 252, 251, 667, 665, 253, 662, 267, 671, 247, 673, 254, 258, 655, 246, 245, 257, 657, 263, 652, 661, 255, 654, 972, 956, 957, 971, 976, 958, 962, 973, 959, 961, 974, 975, 960, 660, 659, 676, 651, 271, 653, 264, 970, 675, 664, 268, 672, 669, 270, 666, 256, 668, 670, 658, 250, 249, 269, 265, 259, 225, 226, 227, 228, 656, 660, 664, 674, 51, 110, 150, 182, 184, 187, 190, 260, 550, 551, 554, 556, 678, 679, 711, 752, and 821).

COFHE Model Results

COFHE Models were developed for each NMS for years 2010, 2011 and 2012. A linked Excel Workbook then is used to calculate 3-year averages. The Excel Workbooks are available upon request from the authors. The COFHE Models for each sanctuary by county for year 2012 are in Appendix 5. Below are the summary table results for each site.

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	3,876	6,884	4,153	3,694	0.08
Contra Costa	0	0	0	0	0.00
Marin	1,046	1,594	753	623	0.05
Mendocino	2,955	4,463	2,360	2,054	0.18
San Francisco	449,861	720,644	498,927	452,722	8.85
San Mateo	42,943	69,735	55,808	52,579	0.58
Sonoma	943,493	1,646,551	1,031,855	919,971	51.79
Total	1,444,174	2,449,871	1,593,857	1,431,643	62
1. Number of full and part-time jobs.					

Table 2.3. Economic Impact on Local County Economies from Commercial Fishing in the CBNMS, 2011 (2013 \$)					
County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	9,623	15,028	1,148	913	0.73
Contra Costa	23,233	38,645	14,605	11,518	10.16
Marin	2,985	4,453	1,674	1,291	1.23
Mendocino	163,858	249,455	162,263	146,613	5.51
San Francisco	100,029	161,691	96,558	85,156	4.16
San Mateo	64,474	104,534	70,913	64,989	2.82
Sonoma	412,992	724,377	433,630	384,594	20.32
Total	777,194	1,298,182	780,793	695,075	45
1. Number of full and part-time jobs.					

Table 2.4. Economic Impact on Local County Economies from Commercial Fishing in the CBNMS, 2012 (2013 \$)					
County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	2,690	4,667	2,015	1,663	0.48
Contra Costa	6,028	9,906	5,374	4,633	1.05
Marin	18,689	28,358	12,936	10,789	2.45
Mendocino	107,713	161,343	96,325	85,027	4.76
San Francisco	158,801	254,695	160,904	143,905	5.94
San Mateo	70,392	114,317	75,776	68,842	2.27
Sonoma	392,945	686,057	392,501	345,491	19.42
Total²	757,258	1,259,344	745,832	660,350	36
1. Number of full and part-time jobs.					
2. \$840 not included from Sonoma because it did not map into one of the 20 Operational Categories in the COEFH Model.					

Table 2.5. Economic Impact on Local County Economies from Commercial Fishing in the CBNMS, 3-year Average 2010, 2011 and 2012 (2013 \$)

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	5,396	8,860	2,439	2,090	0
Contra Costa	9,754	16,184	6,660	5,384	4
Marin	7,573	11,468	5,121	4,234	1
Mendocino	91,509	138,420	86,983	77,898	3
San Francisco	236,230	379,010	252,130	227,261	6
San Mateo	59,270	96,195	67,499	62,137	2
Sonoma	583,143	1,018,995	619,329	550,019	31
Total	992,875	1,669,133	1,040,160	929,023	48

1. Number of full and part-time jobs.

Table 2.6. Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 2010 (2013 \$)

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Los Angeles	2,041,230	3,953,790	2,867,624	2,620,995	25.76
Orange	0	0	0	0	0.00
San Luis Obispo	14,326	23,693	12,545	11,130	0.57
Santa Barabra	5,434,766	8,954,264	4,674,694	3,996,809	227.89
Ventura	30,839,744	51,108,030	37,929,816	34,738,684	545.60
Total²	38,330,066	64,039,777	45,484,678	41,367,617	800

1. Number of full and part-time jobs.

2. \$6,558 or 0.017% not counted because catch did not map into one of the 20 Operational Categories in the COFEH Model; \$138 in Santa Barbara and \$6,420 in Ventura.

Table 2.7. Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 2011 (2013 \$)

	Harvest		Value	Total	
County	Revenue	Output	Added	Income	Employment ¹
Los Angeles	573,245	1,116,310	791,474	724,433	9.10
Orange	32,408	63,930	48,076	45,196	0.51
San Luis Obispo	31,696	51,982	29,496	26,123	1.24
Santa Barabra	6,138,492	10,114,935	5,337,735	4,575,177	265.24
Ventura	18,303,546	30,291,134	21,831,937	19,774,759	341.91
Total²	25,079,387	41,638,291	28,038,717	25,145,688	618

1. Number of full and part-time jobs.
2. \$20,982 or 0.084% not counted. \$15,576 not counted because catch did not map into one of the 20 Operational Categories in the COFEH Model; \$19 in Santa Barbara and \$15,557 in Ventura. In addition, \$5,406 landed in San Diego not counted because San Diego was not in the main study area for economic impact analysis.

Table 2.8. Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 2012 (2013 \$)

	Harvest		Value	Total	
County	Revenue	Output	Added	Income	Employment ¹
Los Angeles	286,063	556,791	357,175	319,736	6.90
Orange	7,528	13,556	8,621	7,554	0.12
San Luis Obispo	24,009	4,797	2,357	1,962	0.39
Santa Barabra	6,803,434	11,206,507	5,839,820	4,987,577	288.22
Ventura	11,296,129	18,728,955	12,951,809	11,679,523	263.83
Total²	18,417,163	30,510,606	19,159,782	16,996,352	559

1. Number of full and part-time jobs.
2. \$37,787 or 0.20% not counted. \$20,522 not counted because catch did not map into one of the 20 Operational Categories in the COFEH Model; \$17,531 in Santa Barbara and \$2,991 in Ventura. In addition, \$17,265 not included because catch landed at distant ports outside the study area for economic impact analysis; \$233 from Humboldt, \$16,760 from San Diego, and \$1,272 from Mendocino.

Table 2.9. Economic Impact on Local County Economies from Commercial Fishing in the CINMS, 3-year Average 2010, 2011 and 2012 (2013 \$)

	Harvest		Value	Total	
County	Revenue	Output	Added	Income	Employment ¹
Los Angeles	966,846	1,875,630	1,338,758	1,221,721	13.92
Orange	13,312	25,829	18,899	17,583	0.21
San Luis Obispo	23,344	26,824	14,799	13,072	0.73
Santa Barbara	6,125,564	10,091,902	5,284,083	4,519,854	260.45
Ventura	20,146,473	33,376,040	24,237,854	22,064,322	383.78
Total	27,275,539	45,396,225	30,894,393	27,836,552	659

1. Number of full and part-time jobs.

Table 2.10. Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 2010 (2013 \$)

	Harvest		Value	Total	
County	Revenue	Output	Added	Income	Employment ¹
Alameda	14,943	26,369	14,864	13,004	0.52
Contra Costa	13,632	23,922	15,145	13,543	0.45
Marin	920,895	1,423,647	939,818	837,603	31.29
Mendocino	19,028	29,096	20,320	18,346	0.26
Monterey	7,964	13,110	8,127	7,217	0.15
San Francisco	7,158,882	11,571,455	7,796,285	7,011,009	108.79
San Mateo	625,062	1,002,864	669,788	601,390	11.50
Santa Cruz	0	0	0	0	0.00
Solano	0	0	0	0	0.00
Sonoma	2,854,602	4,982,707	3,232,068	2,899,426	49.17
Total²	11,615,008	19,073,170	12,696,416	11,401,537	202

1. Number of full and part-time jobs.

2. \$35,638 or 0.03% not included because landings were made in distant ports from the main study area for economic impact analysis. This included \$26,592 in Del Norte, \$8,043 in Humboldt and \$1,003 in San Luis Obispo.

Table 2.11. Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 2011 (2013 \$)					
County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	44,821	75,257	34,271	35,577	2.67
Contra Costa	1,582	2,592	608	827	0.44
Marin	406,923	623,781	537,138	463,629	32.50
Mendocino	183,479	280,536	190,517	171,593	2.66
Monterey	0	0	0	0	0.00
San Francisco	8,015,466	12,973,505	8,636,212	7,753,682	131.02
San Mateo	353,490	569,800	361,949	326,059	10.22
Santa Cruz	1,648	2,810	1,713	1,522	0.03
Solano	1,995,303	3,235,607	2,234,712	2,824,606	26.92
Sonoma	6,360,003	11,125,717	7,113,967	6,373,726	112.77
Total²	17,362,715	28,889,606	19,111,088	17,951,221	319
1. Number of full and part-time jobs.					
2. \$1,673 or 0.0096% not included because catch was landed in distant ports for the main study area for economic analysis. \$528 in Orange, \$678 in San Luis Obispo, and \$467 in Santa Clara.					

Table 2.12. Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 2012 (2013 \$)

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	84,558	143,307	60,692	68,318	4.93
Contra Costa	10,851	17,615	3,531	6,697	1.30
Marin	289,249	440,387	206,620	170,901	19.81
Mendocino	38,216	57,358	31,419	27,486	1.68
Monterey	5,829	9,384	5,090	4,379	0.42
San Francisco	8,178,502	13,228,457	8,689,775	7,793,774	145.86
San Mateo	471,940	758,184	454,455	442,458	16.19
Santa Cruz	20,206	34,333	19,613	17,215	0.79
Solano	1,671,507	2,712,136	1,866,304	2,354,840	22.70
Sonoma	5,309,802	9,271,696	5,717,538	5,093,521	139.16
Total²	16,080,660	26,672,857	17,055,038	15,979,588	353

1. Number of full and part-time jobs.
2. \$65,248 or 0.40% not included. A total of \$56,406 not included because the catch did not map into one of the 20 Operational Categories in the COEFH Model; \$2,388 in Marin, \$40,635 in San Francisco, \$1,277 in San Mateo, and \$12,106 in Sonoma. In addition, \$8,842 was not included because catch was landed in distant ports from the main study area for economic analysis; \$4,979 in Santa Barbara, \$1,006 in Humboldt, and \$2,857 in San Diego.

Table 2.13. Economic Impact on Local County Economies from Commercial Fishing in the GFNMS, 3-year Average 2010, 2011 and 2012 (2013 \$)					
County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	48,107	81,644	36,609	38,966	2.71
Contra Costa	8,688	14,710	6,428	7,022	0.73
Marin	539,022	829,272	561,192	490,711	27.87
Mendocino	80,241	122,330	80,752	72,475	1.53
Monterey	4,598	7,498	4,406	3,865	0.19
San Francisco	7,784,283	10,938,459	8,374,091	7,519,488	128.56
San Mateo	483,497	776,949	495,398	456,635	12.64
Santa Cruz	7,285	12,381	7,109	6,246	0.27
Solano	1,222,270	1,982,581	1,367,005	1,726,482	16.54
Sonoma	4,841,469	8,460,040	5,354,525	4,788,891	100.37
Total	15,019,461	24,878,544	16,287,514	15,110,782	291
1. Number of full and part-time jobs.					

Table 2.14. Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 2010 (2013 \$)

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	94,071	152,073	55,762	49,458	2.63
Marin	103,995	161,541	108,178	96,862	1.84
Mendocino	31,251	47,786	33,372	30,130	0.42
Monterey	14,409,802	23,283,109	17,561,994	16,153,832	369.93
San Francisco	1,805,368	2,923,840	1,929,014	1,729,737	31.07
San Luis Obispo	677,715	1,077,945	582,638	502,934	40.45
San Mateo	6,502,468	10,505,900	6,788,343	6,071,703	141.97
Santa Barbara	25,751	42,317	24,892	21,763	0.89
Santa Cruz	594,254	1,005,841	561,097	489,601	58.17
Solano	3,344	5,226	3,155	3,712	0.06
Sonoma	44,928	78,928	47,108	41,810	2.16
Ventura	6,222	9,791	3,807	3,096	0.68
Total	24,299,169	39,294,298	27,699,361	25,194,638	650

1. Number of full and part-time jobs.
2. \$54, 825 excluded or 0.225% of total harvest revenue. \$47,881 in Monterey and \$460 in San Mateo not included because the catch did not map into one of the 20 Operational Categories in the COFEH Model. In addition, \$733 in Contra Costa, \$379 in Orange and \$5,376 in San Diego not included because catch was not significant or too distant from study area of economic impact.

Table 2.15. Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 2011 (2013 \$)

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	137,639	217,162	30,087	26,722	0.62
Marin	20,876	32,146	17,198	14,794	1.70
Mendocino	98,202	150,155	103,403	93,245	1.37
Monterey	12,915,897	20,887,822	14,864,291	13,514,113	472.39
San Francisco	1,469,648	2,376,989	1,585,393	1,423,462	24.45
San Luis Obispo	886,652	1,407,034	767,403	660,486	50.81
San Mateo	7,167,284	11,573,829	7,409,969	6,616,919	163.78
Santa Barbara	14,915	24,537	14,191	12,425	0.56
Santa Cruz	1,079,615	1,837,582	994,727	861,067	140.74
Solano	9,245	15,153	9,733	11,738	0.16
Sonoma	143,688	250,415	145,346	128,148	6.87
Ventura	1,339	2,211	1,058	900	0.09
Total²	23,945,000	38,775,034	25,942,799	23,364,018	864

1. Number of full and part-time jobs.

2. \$35,407 or 0.148% excluded from harvest revenue. In Monterey \$24,791, San Mateo \$889, and Santa Cruz \$113 not included because catch did not map into one of the 20 Operational Categories in the COEFH Model. In addition, \$8,264 in Humboldt and \$1,350 in Orange not included because too distant from study area of economic impact.

Table 2.16. Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 2012 (2013 \$)					
County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	152,992	246,206	59,625	53,123	1.21
Marin	13,309	20,485	10,777	9,285	1.54
Mendocino	18,128	27,709	16,751	14,924	0.33
Monterey	11,769,984	19,047,473	13,179,920	11,934,167	454.32
San Francisco	402,249	649,121	398,033	352,216	17.08
San Luis Obispo	649,440	966,102	549,837	475,952	30.33
San Mateo	14,528,007	23,473,364	16,128,407	14,776,885	279.79
Santa Barbara	13,190	21,321	9,976	8,342	1.53
Santa Cruz	2,033,826	3,455,393	1,840,608	1,589,431	223.62
Solano	2,280	3,809	1,682	1,464	0.25
Sonoma	43,332	75,434	40,709	35,344	5.52
Ventura	17,416	28,660	21,006	18,910	0.22
Total²	29,644,153	48,015,078	32,257,331	29,270,043	1,016
1. Number of full and part-time jobs.					
2. \$17,213 or 0.058% excluded from harvest revenue. Monterey \$9,030 and San Mateo \$3,757 not included because the catch did not map into one of the 20 Operational Categories in the COEFH Model. In addition, \$1,799 in Contra Costa, \$382 in Humboldt, and \$2,241 in Los Angeles not included because too distant from main study area for economic impact.					

Table 2.17. Economic Impact on Local County Economies from Commercial Fishing in the MBNMS, 3-year Average 2010, 2011 and 2012 (2013 \$)

County	Harvest Revenue	Output	Value Added	Total Income	Employment ¹
Alameda	128,234	205,147	48,491	43,101	1.49
Marin	46,060	71,391	45,384	40,314	1.69
Mendocino	49,194	75,217	51,175	46,100	0.71
Monterey	13,031,894	21,072,801	15,202,069	13,867,370	432.21
San Francisco	1,225,755	1,680,870	1,304,146	1,168,471	24.20
San Luis Obispo	737,936	1,150,360	633,293	546,458	40.53
San Mateo	9,399,253	15,184,365	10,108,906	9,155,169	195.18
Santa Barbara	17,952	29,392	16,353	14,177	0.99
Santa Cruz	1,235,898	2,099,605	1,132,144	980,033	140.84
Solano	4,956	8,063	4,857	5,638	0.16
Sonoma	77,316	134,925	77,721	68,434	4.85
Ventura	8,326	13,554	8,624	7,636	0.33
Total	25,962,774	42,028,137	28,633,164	25,942,900	843

1. Number of full and part-time jobs.

References

California Department of Fish and Wildlife, California Fishing Information System (CDFW-CFIS) 2013. Commercial fishing landings database for years 2000 to 2012. Terry Tillman, personal communications.

California Department of Fish and Wildlife (CDFW). 2013. Look-up tables for economic multipliers by county of where commercial fish are landed for 20 operational categories in the California Ocean Fish Economic Harvest Model. Terry Tillman, personal communication.

Hackett, Steven C., M. Doreen Hansen, Dennis King and Elizabeth Price. 2009. The Economic Structure of California's Commercial Fisheries. A report in fulfillment of contract P0670015, California Department of Fish and Game (now California Department of Fish and Wildlife), June 3, 2009.

Leeworthy, Vernon R., Peter C. Wiley and Edward A. Stone. 2005. Socioeconomic Impact Analysis of Marine Reserve Alternatives for the Channel Islands National Marine Sanctuary. National Oceanic and Atmospheric Administration, National Ocean Service, Special Projects, Silver Spring, MD, October 7, 2005. Available at http://sanctuaries.noaa.gov/science/socioeconomic/channelislands/pdfs/2005_analysis.pdf

Leeworthy, Vernon R. and Wiley, Peter C. 2003. Socioeconomic Impact Analysis of Marine Reserves for the Channel Islands National Marine Sanctuary. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Special Projects, Silver Spring, Maryland, April 8, 2003. Available at http://sanctuaries.noaa.gov/science/socioeconomic/channelislands/pdfs/2003_analysis.pdf

Leeworthy, Vernon R., Desiree Jerome and Kelsey Schueler. 2013a. Economic Impact of the Commercial Fisheries on Local County Economies from Catch in the Cordell Bank National Marine Sanctuary 2010, 2011 and 2012. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, Silver Spring, MD.

Leeworthy, Vernon R., Desiree Jerome and Kelsey Schueler. 2013b. Economic Impact of the Commercial Fisheries on Local County Economies from Catch in the Monterey Bay National Marine Sanctuary 2010, 2011 and 2012. National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, Silver Spring, MD.

Leeworthy, Vernon R., Desiree Jerome and Kelsey Schueler. 2013c. Economic Impact of the Commercial Fisheries on Local County Economies from Catch in the Gulf of the Farallones National Marine Sanctuary 2010, 2011 and 2012. National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, Silver Spring, MD.

Leeworthy, Vernon R., Desiree Jerome and Kelsey Schueler. 2013d. Economic Impact of the Commercial Fisheries on Local County Economies from Catch in the Channel Islands National Marine

Sanctuary 2010, 2011 and 2012. National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, Silver Spring, MD.

Leeworthy, Vernon R., Desiree Jerome and Kelsey Schueler. 2013e. Economic Impact of the Commercial Fisheries on Local County Economies from Catch in California National Marine Sanctuaries 2010, 2011 and 2012. National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, Silver Spring, MD.

Minnesota IMPLAN Group (MIG), Inc. 2010. The IMPLAN V3 Modeling System. Stillwater, MN.

Office of National Marine Sanctuaries (ONMS) 2012. Office of National Marine Sanctuaries (ONMS) West Coast Region Socioeconomic Plan FY 2013 – FY 2014. National Oceanic and Atmospheric Administration, National Ocean Service, Office of National Marine Sanctuaries, Silver Spring, MD.

Pacific Fisheries Management Council (PFMC). 1999. Community Description Booklet, Appendix B, Port Revenue and Income Impact Tables.

U.S. Department of Labor, Bureau of Labor Statistics (BLS). 2013. Consumer Price Index for All Urban Workers 1982-84=100. <http://data.bls.gov/cgi-bin/surveymost>

Appendix 1: Species Codes

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 1
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax	Coc
001	Tuna, yellowfin	Thunnus albacares	6	.25	10		06	1	1	YTNA		16
002	Tuna, skipjack	Katsuwonus pelamis	2.5	.1			06	1	1	STNA		16
003	Bonito, Pacific	Sarda chiliensis	2.5	.15	10		06	1	1	PBNT		16
004	Tuna, bluefin	Thunnus thynnus	36	.25	10		06	1	1	BTNA		16
005	Tuna, albacore	Thunnus alalunga	8	.2	25		06	1	1	ALBC		16
006	Tuna, unspecified	Scombridae	25	.22			06	1	1	UTNA		16
008	Tuna, bigeye	Thunnus obesus	15	.25	10		06	1	1	OTNA		16
009	Tuna, skipjack, black	Euthynnus lineatus	.5	.05	10		06	1	1	BSJK		16
011	Tuna, longtail	Thunnus tonggol	.8	.2			06	1	1	OTNA		16
012	Tuna, blackfin	Thunnus atlanticus	.8	.2		BOTH	06	1	1	OTNA		16
015	Escolar	Lepidocybium flavobrunneum	15	.01			06	1	1	MSC2		16
017	Oilfish	Ruvettus pretiosus	15	.1			06	1	1	MSC2		16
019	Mackerel, bullet	Auxis rochei	1	0	10		00	1	1	MSC2		14
040	Yellowtail	Seriola lalandi	5	.2	10		00	1	1	YLTL		12
041	Jack, Pacific crevalle	Caranx caninus	0	0	10		00	1	1	MSC2		16
042	Jacks, unspecified	Carangidae	1	0	10		00	1	1	MSC2		16
043	Jack, almaco (amberjack)	Seriola rivoliana	0	0			00	1	1	MSC2		16
050	Mackerel, unspecified	Scomber / Trachurus	2	.05			50	1	1	UMCK		14
051	Mackerel, Pacific	Scomber japonicus	7	.02			50	1	1	CMCK		14
052	Sierra, Pacific	Scomberomorus sierra	0	0	10		00	1	1	MSC2		16
055	Mackerel, jack	Trachurus symmetricus	1.6	.02			50	1	1	JMCK		14
057	Wahoo	Acanthocybium solanderi	3	.2	10		00	1	1	MSC2		16
080	Butterfish (Pacific pompano)	Peprilus simillimus	3.5	.25			00	1	1	MSC2		16
081	Pomfret, Pacific	Brama japonica					00	1	1	MSC2		16
091	Swordfish	Xiphias gladius	7.5	.75			00	1	1	SWRD		04
092	Marlin, striped	Tetrapturus audax	0	0	1	COMM	00	1	1	MSC2		16
095	Sailfish	Istiophorus platypterus	0	0	1			1	1	MSC2		16
096	Shark, white	Carcharodon carcharias	10	0			15	1	1	OSRK		02
097	Shark, bigeye thresher	Alopias superciliosus	5	.25			15	1	1	ISRK		01
098	Shark, pelagic thresher	Alopias pelagicus	2	.1	10		15	1	1	PSRK		01
100	Sardine, Pacific	Sardinops sagax caeruleus	1	.02			00	1	1	PSDN		15
101	Sardine, juvenile	Sardinops sagax caeruleus	.5	0			00	1	1	PSDN		15
105	Herring, round	Etrumeus teres	1	0			00	1	1	RHRG		06
110	Anchovy, northern	Engraulis mordax	10	.02			00	1	1	NANC		13
111	Anchovy, deepbody	Anchoa compressa	0	0				1	3	OANC		13
113	Anchovy, slough	Anchoa delicatissima	0	0				1	3	OANC		13
121	Herring, Pacific	Clupea pallasii	1.5	.05			00	1	1	PHRG		06

California Department of Fish and Game

System: CFIS
cfis_species_tbl

Species Table

Page: 2
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc Code
122	Herring, Pacific - roe	Clupea pallasii	2	.05			00	1	1	PHRG		06
130	Barracuda, California	Sphyræna argentea	5	.2			00	1	1	CUDA		12
135	Mullet, striped	Mugil cephalus	2	.2	10			1	1	MSC2		16
144	Senorita	Oxyjulis californica	.4	.1	10			1	1	MSC2		16
145	Sheephead, California	Semicossyphus pulcher	100	.1	5			1	1	SHPD		16
146	Wrasse, rock	Halichoeres semicinctus	100	0	10		00	1	1	MSC2		16
147	Skate, longnose	Raja rhina					17	1	1	LSKT		16
149	Shark, blacktip	Carcharhinus limbatus	1	0			15	1	1	OSRK		16
150	Shark, unspecified	Selachii spp.	15	.1			15	1	1	USRK		16
151	Shark, shortfin mako	Isurus oxyrinchus	3	.1	2		15	1	1	MAKO		02
152	Shark, spiny dogfish	Squalus acanthias	2	.1	10		15	1	1	DSRK		16
153	Shark, leopard	Triakis semifasciata	700	.1	3		15	1	1	LSRK		16
154	Shark, brown smoothhound	Mustelus henlei	200	.1	10		15	1	1	OSRK		16
155	Shark, thresher	Alopias vulpinus	6.5	.1	2		15	1	1	TSRK		01
156	Shark, basking	Cetorhinus maximus	.75	.1			15	1	1	OSRK		16
158	Shark, smooth hammerhead	Sphyrna zygaena	10	.1	10		15	1	1	OSRK		16
159	Shark, soupfin	Galeorhinus zyopterus	3	.1	1		15	1	1	SSRK		16
160	Sharks, cow	Hexanchidae	2	.1	10		15	1	1	OSRK		16
161	Shark, sixgill	Hexanchus griseus	5	.1			15	1	1	OSRK		16
162	Shark, sevengill	Notorynchus cepedianus	5	.1	1		15	1	1	OSRK		16
163	Shark, swell	Cephaloscyllium ventriosum	10	.1	10		15	1	1	OSRK		16
164	Shark, dusky	Carcharhinus obscurus	.75	.1			15	1	1	OSRK		16
165	Shark, Pacific angel	Squatina californica	3	.1	10		15	1	1	ASRK		03
166	Ratfish, spotted	Hydrolagus coliei	.2	.01	10		00	1	1	RATF		16
167	Shark, blue	Prionace glauca	10	.1	2		15	1	1	BSRK		16
168	Shark, salmon	Lamna ditropis	2	.1			15	1	1	OSRK		02
169	Shark, horn	Heterodontus francisci	100	.1	10		15	1	1	OSRK		16
170	Ray, unspecified	Rajiformes	50	.1			17	1	1	USKT		16
171	Ray, bat	Myliobatis californica	20	.1	10		17	1	1	BTRY		16
172	Ray, Pacific electric	Torpedo californica	50	.1	10		17	1	1	OSKT		16
173	Stingray	Dasyatidae	100	.1	10		17	1	1	USKT		16
174	Guitarfish, shovelnose	Rhinobatos productus	100	.1	10		17	1	1	OSKT		16
175	Skate, unspecified	Rajidae	12	.1			17	1	1	USKT		16
176	Skate, big	Raja binoculata	.7	.1	10		17	1	1	BSKT		16
177	Skate, California	Raja inornata	.7	.1			17	1	1	CSKT		16
178	Skate, thornback	Platyrhinoidis triseriata	100	.1			17	1	1	OSKT		16
179	Shark, gray smoothhound	Mustelus californicus	7	.1	10		15	1	1	OSRK		16

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 3

Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Coc
180	Smelts, true	Osmeridae	.7	.08	10		18	1	1	SMLT	16
181	Grunion, California	Leuresthes tenuis	1	0			18	1	1	MSC2	16
182	Smelt, surf	Hypomesus pretiosus	2	.08	10		18	1	1	SMLT	16
184	Jacksmeit	Atherinopsis californiensis	1	.08			18	1	1	SMLT	16
185	Smelt, whitebait	Allosmerus elongatus	2	.08	10		18	1	1	SMLT	16
186	Topsmelt	Atherinops affinis	.6	.08			18	1	1	SMLT	16
187	Smelt, night	Spirinchus starksi	2	.08			18	1	1	SMLT	16
188	Eulachon	Thaleichthys pacificus	.6	.08			18	1	1	EULC	16
189	Silversides	Atherinidae	.6	.08			18	1	1	SMLT	16
190	Sablefish	Anoplopoma fimbria	5	.06	10		00	1	1	SABL	16
191	Louvar	Luvarus imperialis	5	0			00	1	1	MSC2	16
195	Lingcod	Ophiodon elongatus	10	.15	2		00	1	1	LCOD	16
196	Tomcod, Pacific	Microgadus proximus	5	.05			00	1	1	MSC2	16
197	Cod, Pacific	Gadus macrocephalus	5	.1	10		00	1	1	PCOD	16
198	Grenadier	Macrouridae	1.8	.08			00	1	1	GRDR	16
200	Sole, unspecified	Pleuronectiformes	5.5	.19			20	1	1	UFLT	16
201	Flounder, arrowtooth	Atheresthes stomias	1	.08			20	1	1	ARTH	16
202	Sole, bigmouth	Hippoglossina stomata	.65	.19	10		20	1	1	OFLT	16
203	Sole, rock	Pleuronectes bilineata	1	.19	10		20	1	1	RSOL	16
204	Sole, fantail	Xysteurops iolepis	1.25	.19	10		20	1	1	OFLT	16
205	Sole, sand	Psettichthys melanostictus	2	.19	10		20	1	1	SSOL	16
206	Sole, English	Pleuronectes vetulus	2	.19			20	1	1	EGLS	16
207	Sole, rex	Errex zachirus	10	.19	10		20	1	1	REX	16
208	Sole, butter	Pleuronectes isolepis	.65	.19			20	1	1	BSOL	16
209	Sole, petrale	Eopsetta jordani	2.5	.19			20	1	1	PTRL	16
210	Sole, slender	Eopsetta exilis	.65	.19			20	1	1	OFLT	16
211	Sole, Dover	Microstomus pacificus	5	.14			20	1	1	DOVR	16
212	Sole, tongue	Symphurus atricauda	0	0			20	1	1	OFLT	16
220	Halibut, unspecified	Pleuronectiformes	3	.5			20	1	1	UHLB	12
221	Halibut, Pacific	Hippoglossus stenolepis	2.75	.5	1		20	1	1	PHLB	12
222	Halibut, California	Paralichthys californicus	10	.5	5		20	1	1	CHLB	12
225	Sanddab	Citharichthys spp.	5	.15			20	1	1	UDAB	16
226	Sanddab, longfin	Citharichthys xanthostigma	.65	.15			20	1	1	LDB1	16
227	Sanddab, Pacific	Citharichthys sordidus	10	.15			20	1	1	PDB1	16
228	Sanddab, speckled	Citharichthys stigmaeus	.65	.15	10		20	1	1	SDB1	16
230	Flounder, unspecified	Pleuronectidae	10	.15			20	1	1	UFLT	16
231	Flounder, starry	Platichthys stellatus	3	.15			20	1	1	STRY	16

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 4
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc Code
235	Turbot, curfin	Pleuronichthys decurrens	.65	.12			20	1	1	CSOL		16
236	Turbot, diamond	Hypsosetta guttulata	.65	.12			20	1	1	OFLT		16
237	Sole, C-O	Pleuronichthys coenosus	.65	.12			20	1	1	OFLT		16
238	Turbot, hornyhead	Pleuronichthys verticalis	.65	.12			20	1	1	OFLT		16
239	Turbot, spotted	Pleuronichthys ritteri	.65	.12			20	1	1	OFLT		16
240	Turbot	Pleuronectidae	2	.12	10		20	1	1	UFLT		16
245	Rockfish, cowcod	Sebastes levis	3	.15	0		25	1	1	CWC1		16
246	Rockfish, copper (whitebelly)	Sebastes caurinus	5	.15		BOTH	25	1	1	COP1		16
247	Rockfish, canary	Sebastes pinniger	5	.15	0		25	1	1	CNR1		16
249	Rockfish, vermilion	Sebastes miniatus	4	.15	10		25	1	1	VRM1		16
250	Rockfish, unspecified	Sebastes spp.	7	.15			25	1	1	URCK		16
251	Rockfish, black-and-yellow	Sebastes chrysomelas	3.5	.15	10		25	1	1	BYL1		16
252	Rockfish, black	Sebastes melanops	5.5	.15	10		25	1	1	BLK1		16
253	Rockfish, bocaccio	Sebastes paucispinis	4.5	.15	2		25	1	1	BCC1		16
254	Rockfish, chilipepper	Sebastes goodei	5	.15	10		25	1	1	CLP1		16
255	Rockfish, greenspotted	Sebastes chlorostictus	5.5	.15			25	1	1	GSP1		16
256	Rockfish, starry	Sebastes constellatus	2	.15			25	1	1	STR1		16
257	Rockfish, darkblotched	Sebastes crameri	2	0			25	1	1	DBR1		16
258	Rockfish, China	Sebastes nebulosus	7	.15	10		25	1	1	CHN1		16
259	Rockfish, yellowtail	Sebastes flavidus	3	.15	10		25	1	1	YTR1		16
260	Scorpionfish, California	Scorpaena guttata	100	.15	5		25	1	1	SCR1		16
261	Cabezon	Scorpaenichthys marmoratus	10	.15	2		25	1	1	CBZ1		16
262	Thornyheads	Sebastolobus spp.	6	.15			25	1	1	THDS		16
263	Rockfish, gopher	Sebastes carnatus	5	.15	10		25	1	1	GPH1		16
264	Rockfish, pinkrose	Sebastes simulador	.9	.15			25	1	1	PRR1		16
265	Rockfish, yelloweye	Sebastes ruberrimus	10	.15	0		25	1	1	YEY1		16
267	Rockfish, brown	Sebastes auriculatus	3	.15	10		25	1	1	BRW1		16
268	Rockfish, rosy	Sebastes rosaceus	1	.15	10		25	1	1	ROS1		16
269	Rockfish, widow	Sebastes entomelas	3	.15	10		25	1	1	WDW1		16
270	Rockfish, splitnose	Sebastes diploproa	1	.15	10		25	1	1	SNS1		16
271	Rockfish, Pacific ocean perch	Sebastes alutus	2	.15	10		25	1	1	POP		16
272	Sculpin, staghorn	Leptocottus armatus	15	.15			00	1	1	SCLP		16
273	Sculpin, yellowchin	Icelinus quadriseriatus	0	0	10			1	1	SCLP		16
275	Bass, rock	Paralabrax spp.	2	0		BOTH	27	1	1	OBAS		16
276	Bass, spotted sand	Paralabrax maculatofasciatus	0	0	10	COMM	27	1	1	OBAS		16
277	Bass, kelp	Paralabrax clathratus	1.25	0	10	COMM	27	1	1	OBAS		16
278	Bass, barred sand	Paralabrax nebulifer	3	0	10	COMM	27	1	1	OBAS		16

California Department of Fish and Game

System: CFIS
cfis_species_tbl

Species Table

Page: 5
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc Code
280	Bass, giant sea	Stereolepis gigas	7	.3	2		00	1	1	GBAS		12
289	Greenling, rock	Hexagrammos lagocephalus		0	2		00	1	1	RGL1		16
290	Greenling, kelp	Hexagrammos decagrammu:	6	0	2		00	1	1	KGL1		16
291	Triggerfish	Balistidae	1	0	10			1	1	MSC2		16
292	Sunfish, ocean	Mola mola	2	0	10		00	1	1	MSC2		16
300	Salmon	Oncorhynchus spp.	4	0			30	1	1	USMN		05
301	Salmon, chum	Oncorhynchus keta	0	0	2		30	1	1	CHUM		05
302	Salmon, Chinook	Oncorhynchus tshawytscha	9	0	2		30	1	1	CHNK		05
303	Salmon, pink	Oncorhynchus gorbuscha	3	0			30	1	1	PINK		05
304	Salmon, coho	Oncorhynchus kisutch	4.75	0	0		30	1	1	COHO		05
306	Salmon, Roe (Chinook, Coho	Oncorhynchus spp.	4.75	0			30	1	1	CHNK		05
316	Trout, rainbow	Oncorhynchus mykiss	1	0			34	1	5	STLH		16
320	Catfish, unspecified	Siluriformes	0	0			34	1	5			16
322	Bullhead, brown	Ameiurus nebulosus	10	0	10		34	1	5			16
324	Shad, threadfin	Dorosoma petenense	2.5	.5	10		34	1	5	SHAD		16
325	Shad, American	Alosa sapidissima	2	0			34	1	4	SHAD		16
335	Bass, striped	Morone saxatilis	0	0	2	COMM	00	1	4	OBAS		16
340	Tilapia	Tilapia spp.	9999	0			00	1	4			16
341	Crab, red rock	Cancer productus	2	.15	35		80	2	1	RCRB		10
342	Crab, yellow rock	Cancer anthonyi	1.5	.15	35		80	2	1	RCRB		10
343	Crab, brown rock	Cancer antennarius	1	.15			80	2	1	RCRB		10
345	Carp	Cyprinus carpio	3	.1			34	1	5			16
346	Hardhead (freshwater)	Mylopharodon conocephalus	.65	.1			34	1	5			16
347	Spittail	Pogonichthys macrolepidotus	.65	.1	10		34	1	5			16
348	Hitch	Lavinia exilicauda	.65	.1			34	1	5			16
349	Blackfish, Sacramento	Orthodon microlepidotus	.65	.1			34	1	5			16
361	Stickleback, threespine	Gasterosteus aculeatus	2000	.01			34	1	5	MSC2		16
365	Squawfish	Ptychocheilus grandis	0	0			34	1	5			16
375	Sucker	Catostomidae	.5	.1			34	1	5			16
400	Seabass, white	Atractoscion nobilis	4	.4	3		34	1	1	WBAS		12
410	Seabass, totuava	Totoaba macdonaldi	1	.4		BOTH	00	1	1	MSC2		16
415	Snapper -Mexico-	Lutianidae	1	.4	10			1	1	MSC2		16
420	Croaker, unspecified	Sciaenidae	1	.1			40	1	1	OCRK		16
421	Croaker, black	Cheilotrema saturnum	1	0	10		40	1	1	OCRK		16
422	Croaker, spotfin	Roncador stearnsii	0	0		COMM	40	1	1	OCRK		16
423	Croaker, yellowfin	Umbrina roncadore	0	0	10	COMM	40	1	1	OCRK		16
426	Corbina, California	Menticirrhus undulatus	1.75	0	10	COMM	40	1	1	MSC2		16

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 6
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Coc
427	Corvina, shortfin	Cynoscion parvipinnis	5	0	10		40	1	1	MSC2	16
430	Grouper	Mycteroperca / Epinephelus	2.5	.3	0			1	1	OBAS	16
431	Cabrilla, spotted	Epinephelus analogus	2	0				1	1	OBAS	16
432	Grouper, broomtail	Mycteroperca xenarcha	2.5	.3		CPFV	00	1	1	OBAS	16
435	Croaker, white	Genyonemus lineatus	3.5	.1	10		40	1	1	WCRK	16
440	Queenfish	Seriphus politus	1.5	.1			40	1	1	QFSH	16
445	Flyingfish	Exocoetidae spp.	.8	.25			00	1	1	MSC2	12
446	Saury, Pacific	Cololabis saira	10	0			00	1	1	MSC2	16
450	Eel	Osteichthyes	6	.1	10		00	1	1	EELS	16
451	Eel, blenny	Lumpenus anguillaris	0	0	10			1	1	EELS	16
452	Eel, California moray	Gymnothorax mordax	10	.1	10		00	1	1	EELS	16
453	Lamprey, Pacific	Lampetra tridentata	0	0			34	1	4	MSC2	16
454	Eel, wolf (wolf-eel)	Anarrhichthys ocellatus	4.5	0	10		00	1	1	WEEL	16
455	Eel, spotted cusk-	Chilara taylori	0	0			00	1	1	CEEL	16
456	Eel, monkeyface (prickleback)	Cebidichthys violaceus	4.5	0	10		00	1	1	MEEL	16
457	Hagfishes	Eptatretus spp.	50	0	10		00	1	1	UHAG	16
467	Opah	Lampris guttatus	2.75	.1	10		00	1	1	MSC2	16
470	Sturgeons	Acipenseridae	0	0	1	COMM	00	1	4	USTG	16
471	Sturgeon, green	Acipenser medirostris	0	0		COMM	00	1	4	GSTG	16
472	Sturgeon, white	Acipenser transmontanus	0	0		COMM	00	1	4	WSTG	16
473	Lizardfish, California	Synodus lucioceps	2	0	10			1	1	MSC2	16
474	Perch-like, unspecified	Kyphosidae/Pomacentridae				COMM	00	1	1	MSC2	16
475	Opaleye	Girella nigricans	200	.15	10		00	1	1	MSC2	16
476	Needlefish, California	Strongylura exilis	0	0	10			1	1	MSC2	16
477	Bonefish	Albula vulpes	2	0	10		00	1	1	MSC2	16
478	Halfmoon	Medialuna californiensis	3	.15	10		00	1	1	MSC2	16
479	Blacksmith	Chromis punctipinnis	6.5	.1	10		00	1	1	MSC2	16
480	Sargo	Anisotremus davidsonii	1	.15	10			1	1	MSC2	16
481	Dolphin (fish)	Coryphaena hippurus	3	.1	10		00	1	1	MSC2	16
482	Garibaldi	Hypsypops rubicundus	500	0	0	CPFV	00	1	1	MSC2	16
483	Mudsucker, longjaw	Gillichthys mirabilis	6000	1	10			1	3	MSC2	16
484	Salema	Xenistius californiensis	0	0	10			1	1	MSC2	16
485	Midshipman, plainfin	Porichthys notatus	10	0				1	1	MSC2	16
486	Goby, bluebanded	Lythrypnus dalli	9999	100			00	1	1	MSC2	16
487	Goby, yellowfin	Acanthogobius flavimanus	9999	100	10		00	1	3	MSC2	16
488	Goby, zebra	Lythrypnus zebra	9999	100			00	1	1	MSC2	16
490	Whitefish, ocean	Caulolatilus princeps	4	.15	10		00	1	1	MSC2	16

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 7

Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Coc
491	Killifish, California	Fundulus parvipinnis	0	0	10			1	3	MSC2	16
495	Whiting, Pacific	Merluccius productus	3	.02	10		00	1	1	PWHT	16
501	Kelpfish, giant	Heterostichus rostratus	55	.25	10		00	1	1	KFSH	16
510	Kelpfishes	Gibbonsia spp.	7.5	.25			00	1	1	MSC2	16
550	Surfperch, unspecified	Embiotocidae	7	.25	10		55	1	1	SRFP	16
551	Surfperch, barred	Amphistichus argenteus	4	.25	10		55	1	1	SRFP	16
552	Surfperch, black	Embiotoca jacksoni	1.2	.25	10		55	1	1	SRFP	16
553	Surfperch, redtail	Amphistichus rhodoterus	5	.25	10		55	1	1	SRFP	16
554	Surfperch, shiner	Cymatogaster aggregata	1.2	.25	20		55	1	1	SRFP	16
555	Seaperch, striped	Embiotoca lateralis	7	.25			55	1	1	SRFP	16
556	Surfperch, white	Phanerodon furcatus	2	.25	10		55	1	1	SRFP	16
557	Surfperch, walleye	Hyperprosopon argenteum	1.2	.25			55	1	1	SRFP	16
558	Surfperch, rubberlip	Rhacochilus toxotes	8	.25	10		55	1	1	SRFP	16
559	Surfperch, pile	Rhacochilus vacca	1.2	.25			55	1	1	SRFP	16
560	Surfperch, calico	Amphistichus koelzi	4	.25	10		55	1	1	SRFP	16
561	Surfperch, dwarf	Micrometrus minimus	1.2	.25			55	1	1	SRFP	16
562	Surfperch, rainbow	Hypsurus caryi	1.2	.25	10		55	1	1	SRFP	16
563	Surfperch, pink	Zalembius rosaceus	1.2	.25			55	1	1	SRFP	16
601	Kahawai	Annipis trutta	0	0				1	1	MSC2	16
602	Zebraperch	Hermosilla azurea	5	0	10		00	1	1	MSC2	16
651	Rockfish, olive	Sebastes serranoides	5	.15	10		25	1	1	OLV1	16
652	Rockfish, grass	Sebastes rastrelliger	6	.15	10		25	1	1	GRS1	16
653	Rockfish, pink	Sebastes eos	.9	.15			25	1	1	PNK1	16
654	Rockfish, greenstriped	Sebastes elongatus	.9	.15			25	1	1	GSR1	16
655	Rockfish, copper	Sebastes caurinus	7	.15	10		25	1	1	COP1	16
657	Rockfish, flag	Sebastes rubrivinctus	.9	.15			25	1	1	FLG1	16
658	Rockfish, treefish	Sebastes serriceps	33	.15	10		25	1	1	TRE1	16
659	Rockfish, kelp	Sebastes atrovirens	9	.15			25	1	1	KLP1	16
660	Rockfish, honeycomb	Sebastes umbrosus	.9	.15			25	1	1	HNY1	16
661	Rockfish, greenblotched	Sebastes rosenblatti	.9	.15	10		25	1	1	GBL1	16
662	Rockfish, bronzespotted	Sebastes gilli	.9	.15			25	1	1	BRZ1	16
663	Rockfish, bank	Sebastes rufus	.9	.15			25	1	1	BNK1	16
664	Rockfish, rosethorn	Sebastes helvomaculatus	3	0			25	1	1	RST1	16
665	Rockfish, blue	Sebastes mystinus	5.5	.15	10		25	1	1	BLU1	16
666	Rockfish, squarespot	Sebastes hopkinsi	.9	.15	10		25	1	1	SQR1	16
667	Rockfish, blackgill	Sebastes melanostomus	3	.15			25	1	1	BGL1	16
668	Rockfish, stripetail	Sebastes saxicola	.9	.15			25	1	1	STL1	16

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 8

Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc Code
669	Rockfish, speckled	Sebastes ovalis	2	.15			25	1	1	SPK1		16
670	Rockfish, swordspine	Sebastes ensifer	.9	.15			25	1	1	SWS1		16
671	Rockfish, calico	Sebastes dallii	.9	.15			25	1	1	CLC1		16
672	Rockfish, shortbelly	Sebastes jordani	.9	.15			25	1	1	SBL1		16
673	Rockfish, chameleon	Sebastes phillipsi	1	.15			25	1	1	GML1		16
674	Rockfish, aurora	Sebastes aurora	1	.15			25	1	1	ARR1		16
675	Rockfish, redbanded	Sebastes babcocki	1	.15			25	1	1	RDB1		16
676	Rockfish, Mexican	Sebastes macdonaldi	7	.15	10		25	1	1	MXR1		16
678	Thornyhead, longspine	Sebastolobus ativelis	3	.15			25	1	1	LSP1		16
679	Thornyhead, shortspine	Sebastolobus alascanus	2.5	.15			25	1	1	SSP1		16
680	Anemones	Anthozoa					00	8	1			16
681	Jellyfish	Hydrozoa					00	8	1			16
682	Sea pansy	Renilla koelikeri					00	8	1			16
683	Limpet, keyhole	Megathura crenulata					00	4	1			09
684	Snail, tegula	Tegula spp.					00	4	1			09
685	Crab, hermit	Paguristes sp.					80	2	1			10
686	Crab, spider/sheep claws	Loxorhynchus spp.					80	2	1			10
687	Sand dollar	Dendraster excentricus					00	3	1			16
688	Bryozoan	Ectoprocta					00	3				16
689	Flatworm, marine	Platyhelminthes					00	8	3			16
690	Hornsnail	Cerithidea spp.					00	4	1			09
699	Invertebrate Unspecified						00	8	1			16
700	Abalone	Haliotis spp.	7	0			70	4	1	UABL		08
701	Abalone, black	Haliotis cracherodii	5.2	.66			70	4	1	BABL		08
702	Abalone, red	Haliotis rufescens	40	3.16	3		70	4	1	RABL		08
703	Abalone, green	Haliotis fulgens	25	1.66			70	4	1	GABL		08
704	Abalone, pink	Haliotis corrugata	20	1.66			70	4	1	PABL		08
705	Abalone, white	Haliotis sorenseni	38	2.08			70	4	1	WABL		08
706	Abalone, threaded	Haliotis assimilis	30	.83			70	4	1	OABL		08
707	Abalone, pinto	Haliotis kamtschatkana	10	.83			70	4	1	OABL		08
708	Abalone, flat	Haliotis walallensis	3	.83			70	4	1	OABL		08
709	Limpet, unspecified	Archaeogastropoda	20	0			00	4	1	UMSK		09
710	Squid, jumbo	Dosidicus gigas	2	.15			00	4	1	SQID		11
711	Squid, market	Loligo opalescens	5	.03			00	4	1	MSQD		11
712	Octopus, unspecified	Octopus spp.	500	0			00	4	1	OCTP		09
717	Scallop, weathervane	Patinopecten caurinus	0	0				4	1	OSCL		09
718	Scallop, rock	Crassadoma gigantea	1.5	0	10		00	4	1	OSCL		09

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 9

Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc Code
719	Scallop, unspecified	Pectinidae	2	0				4	1	USCL		09
720	Clam, unspecified	Bivalvia	3	0			72	4	1	UCLM		09
721	Clam, common littleneck	Protothaca staminea	1.5	0			72	4	1	LCLM		09
722	Clam, Pismo	Tivela stultorum	1	0		BOTH	72	4	1	PCLM		09
723	Clam, softshell	Mya arenaria	0	0			72	4	1	SCLM		09
725	Clam, northern razor	Siliqua patula	0	0			72	4	1	RCLM		09
726	Clam, gaper	Tresus nuttalli	1	0			72	4	1	GCLM		09
727	Clam, common Washington	Saxidomus nuttalli	4	0			72	4	1	WCLM		09
728	Clam, California jackknife	Tagelus californianus	10	.75			72	4	1	JCLM		09
729	Sea slug	Opisthobranchia	800	0				4	1	UMSK		09
730	Mussel	Mytilus spp.	3	.1			73	4	1	UCLM		09
731	Whelk, Kelleit's	Kelletia Kelletii	50	0			00	4	1	OMSK		09
732	Snail, sea	Gastropoda	350	.15			00	4	1	UMSK		09
733	Clam, freshwater	Corbicula fluminea	2.25	.1			34	4	5			00
734	Clam, purple	Nuttallia nuttalli	1.5	.4			72	4	1	PRCL		09
735	Clam, rosy razor	Solen sicarius	1	0			72	4	1	RZCL		09
736	Snails, moon	Polinices spp.	1	0				4	1	UMSK		09
737	Clam, northern quahog	Mercenaria mercenaria	0	0			72	4	3	QCLM		09
740	Oyster, unspecified	Ostreidae	1	0			74	4	3	USTR		09
741	Oyster, eastern	Crassostrea virginica	10	0		BOTH	74	4	3	ESTR		09
742	Oyster, California native	Ostrea lurida	0	0			74	4	3	LSTR		09
743	Oyster, giant Pacific	Crassostrea gigas	2.5	0		BOTH	74	4	3	PSTR		09
745	Oyster, european flat	Ostrea edulis	10	0		BOTH	74	4	3	EURO		09
746	Snail, bubble	Bulla gouldiana	100	0			00	4	3	OMSK		09
747	Snail, top	Astraea undosa	10	0			00	4	1	OMSK		09
749	Sea hare	Aplysia spp.	30	0				4	1	UMSK		09
750	Echinoderm, unspecified	Echinodermata	1	.06				3	1	UECH		16
751	Sea stars	Asteroidea	300	.01			00	3	1	UECH		16
752	Sea urchin, red	Strongylocentrotus franciscan	500	0			00	3	1	RURC		07
753	Sea urchin, purple	Strongylocentrotus purpuratu	50	0			00	3	1	OURC		07
754	Sea cucumber, giant red	Parastichopus californicus	20	0			00	3	1	USCU		16
755	Sea cucumber, unspecified	Holothuroidea	20	0			00	3	1	USCU		16
756	Sea urchin, white	Lytechinus anamesus	20	0			00	3	1	OURC		07
757	Sea cucumber, warty	Parastichopus parvimensis	20	0			00	3	1	USCU		16
760	Sponges	Porifera	4	0				8	1	MISC		16
769	Invertebrates, colonial	Cnidaria	500	0				8	1	MISC		16
781	Snail, freshwater	Gastropoda	1	.05			34	4	5			09

California Department of Fish and Game

System: CFIS
cfis_species_tbi

Species Table

Page: 10
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc Code
799	Mollusk, unspecified	Mollusca	200	0			00	4	1	UMSK		09
800	Crab, Dungeness	Cancer magister	5	.25	10		80	2	1	DCRB		10
801	Crab, rock unspecified	Cancer spp.	12	.2			80	2	1	RCRB		10
802	Crab, claws	Cancer spp.	13	.2			80	2	1	UCRB		10
803	Crab, spider	Loxorhynchus spp.	5.25	.1			80	2	1	OCRB		10
804	Crab, king	Paralithodes spp.	5	0			80	2	1	UKCR		10
805	Crab, sand	Emerita analoga	26	.6			80	2	1	OCRB		10
806	Crab, shore	Pachygrapsus crassipes	20	0			80	2	1	OCRB		10
807	Crab, pelagic red	Pleuroncodes planipes	.2	.02			80	2	1	OCRB		10
808	Crab, tanner	Chionoecetes tanneri	10	0			80	2	1	BTCR		10
809	Crab, box	Lopholithodes foraminatus	2.5	.5			80	2	1	OCRB		10
810	Shrimp, bay	Crangonidae	9	.75			81	2	3	BSRM		09
811	Shrimp, ghost	Callinassa californiensis	12	.5			81	2	3	GSRM		09
812	Shrimp, ocean (pink)	Pandalus jordani	1.5	.15			81	2	1	PSHP		09
813	Prawn, ridgeback	Eusicyonia ingentus	15	0			81	2	1	RPRW		09
814	Shrimp, unspecified	Crustacea	50	.15			81	2	1	USRM		09
815	Prawn, spot	Pandalus platyceros	14	.75			81	2	1	SPRW		09
816	Prawn, golden	Penaeus Californiensis	15	0			81	2	1	GPRW		09
817	Shrimp, coonstriped	Pandalus danae	5	.1			81	2	1	OSRM		09
818	Shrimp, red rock	Lysmata californica	9999	1.5			81	2	1	BSRM		09
819	Shrimp, brine	Artemia salina	3	.05			81	2	6	BSRM		09
820	Lobster, California spiny	Panulirus interruptus	20	2	7			2	1	LOBS		09
821	Shrimp, mantis	Hemisquilla ensigera californ					81	2	1	OSRM		09
823	Crab, armed box	Playmera gaudichaudi					80	2	1			10
825	Crayfish, signal	Pacifastacus leniusculus	100	.4			34	2	5			09
826	Barnacle	Cirripedia	100	0				2	1	MISC		09
827	Crayfish, red swamp	Procambarus clarkii	1.5	.4			34	2	5			09
828	Crayfish, unspecified	Astacidae	15	.4			34	2	5			09
830	Spiders, sea	Pycnogonida	200	0				8	1	MISC		16
840	Tunicates	Urochordata	30	0				8	1	MISC		16
850	Worms, marine	Polychaeta	40	1			00	8	1	MISC		12
851	Themiste	Themiste spp.	5	0				8	3	MISC		16
860	Chiton, unspecified	Polyplocophora	8	0				4	1	UMSK		09
899	Crustacean, unspecified	Crustacea	500	0			00	2	1	MISC		09
915	Lancelets, amphioxus	Branchiostoma californiense	0	0				8	1	MISC		16
920	Frog	Rana spp.	10	.85			34	5	5			12
921	Frog, bull	Rana catesbiana	10	0				5	5			12

California Department of Fish and Game

System: CFIS
cfis_species_tbl

Species Table

Page: 11
Date: 09/25/2012

Species	Common Name	Scientific Name	High Price	Low Price	CPFV Take Allowed	Restrictions	Report Group	Species Group	Species Type	Pacfin Code	Fax Code	Coc
930	Turtle	Chelonia mydas	0	0				9	1			16
931	Terrapin	Malaclemys spp.	0	0				9	1			16
950	Kelp	Macrocystis spp.	10	0		BOTH	00	6	1	MISC		99
951	Agar	Gelidium spp.	0	0		BOTH	00	6	1	MISC		99
953	Algae, marine	Phycophyta	6	0		BOTH	00	6	6	MISC		99
956	Rockfish, group bocaccio/chi	Sebastes/group	5	.01		BOTH	26	1	1	RCK1		16
957	Rockfish, group bolina	Sebastes/group	7	.01			26	1	1	RCK2		16
958	Rockfish, group deepwater r	Sebastes/group	1	.01			26	1	1	RCK3		16
959	Rockfish, group red	Sebastes/group	7	.01			26	1	1	RCK4		16
960	Rockfish, group small	Sebastes/group	5	.01			26	1	1	RCK5		16
961	Rockfish, group rosefish	Sebastes/group	10	.01			26	1	1	RCK6		16
962	Rockfish, group gopher	Sebastes/group	7	.15			26	1	1	RCK7		16
970	Rockfish, quillback	Sebastes maliger	5.5	.15	10		25	1	1	QLB1		16
971	Rockfish, group canary/verm	Sebastes/group	2.5	.15			26	1	1	RCK8		16
972	Rockfish, group black/blue	Sebastes/group	3	.15			26	1	1	RCK9		16
973	Rockfish, group nearshore	Sebastes/group					26	1	1	USHR		16
974	Rockfish, group shelf	Sebastes/group					26	1	1	USLF		16
975	Rockfish, group slope	Sabastes/group					26	1	1	USLP		16
976	Rockfish, group deep nearsh	Sebastes/group	3	.15			26	1	1	UDNR		16
992	Trawled fish for animal food	Osteichthyes	0	0				1	1	MSC2		16
995	Herring, Pacific - roe on kelp	Clupea/algae	15	.5			00	1	1	PHRG		06
997	Trawled fish, unspecified	Osteichthyes	.6	0				1	1	MSC2		16
999	Fish, unspecified	Osteichthyes	1500	.01			00	1	1	MISC		16

Total Records: 393

End of Report

Appendix 2: Gear Codes

California Department of Fish and Game

System: CFIS

Gear Table

Page: 1

cfis_gear_tbl

Date: 09/25/2012

Gear	Gear Description	Discontinue Date
00	UNKNOWN	04/01/1996
01	HOOK & LINE	
02	LIVE BAIT	04/01/1996
03	VERTICAL HOOK & LINE/PORTUGUESE LONGLII	
04	MOOCHING (SALMON)	
05	SET LONGLINE	
06	JIG/BAIT (ALBACORE)	
07	TROLL (ALBACORE)	
08	TROLL (GROUNDFISH OR OTHER FISH)	
09	TROLL (SALMON)	
10	MISCELLANEOUS	04/01/1996
11	SPEAR	04/01/1996
12	HARPOON/SPEAR	
13	RAKES, FORKS	04/01/1996
14	DIVING - ABALONE IRON	04/01/1996
15	DIVING /HOOKS (SEA URCHINS)	04/01/1996
16	CAST NET	04/01/1996
17	KELP BARGE, SHEARING	04/01/1996
18	DIVING	
19	DREDGE	04/01/1996
20	ENTRAPPING	04/01/1996
21	FISH TRAP	
22	PRAWN TRAP	
23	SHRIMP NET, CHINESE TYPE	04/01/1996
24	FYKE NET	04/01/1996
25	TRAPS, SEATTLE TYPE (SABLEFISH)	04/01/1996
26	HOOP NET, CRAB-RINGS	04/01/1996
27	CRAB OR LOBSTER TRAP	
28	LIFT NET	04/01/1996
30	HORIZONTAL SET LINE	04/01/1996
31	VERTICAL SET LINE	04/01/1996
32	TROLL LONG LINE	04/01/1996
33	PELAGIC TRAWL	04/01/1996
34	PAIR TRAWL	04/01/1996
35	DAINISH/SCOTTISH SEINE	
36	JIG/BAIT	04/01/1996
40	BRAIL/DIP NET OR A-FRAME	
41	DIP NET, "A" FRAME	04/01/1996
42	FISH PUMP	04/01/1996

California Department of Fish and Game

System: CFIS

Gear Table

Page: 2

cfis_gear_tbl

Date: 09/25/2012

Gear	Gear Description	Discontinue Date
47	SELECTIVE FLATFISH TRAWL, SMALL FOOTROPE	
48	TRAWL - FOOTROPE LESS THAN 8 INCHES IN D	
49	TRAWL - FOOTROPE GREATER THAN 8 INCHES	
50	TRAWL NET	04/01/1996
51	TRAWL WITH ROLLER GEAR	04/01/1996
52	PARANZELLA	04/01/1996
53	PAIR TRAWL	
54	MIDWATER TRAWL	
55	BEAM TRAWL	
56	BOTTOM TRAWL	
57	BALLOON TRAWL	04/01/1996
58	SINGLE-RIGGED TRAWL	
59	DOUBLE-RIGGED TRAWL	
60	ENTANGLING NETS	04/01/1996
61	TRAMMEL NET	04/01/1996
65	DRIFT GILL NET	
66	SET GILL NET	
70	ENCIRCLING NETS	04/01/1996
71	PURSE SEINE	
72	HALF RING	04/01/1996
73	DRUM SEINE	
74	LAMPARA NET	
78	BEACH SEINE	
80	NET	04/01/1996
90	HAND TAKE	
91	HAND PUMP	
95	RAFT/LINES FOR HERRING ROE ON KELP	

Total Records: 66

End of Report

Appendix 3: Port Codes

Port Code Order

<u>Major Port</u>	<u>Port Code</u>	<u>Port Name</u>	<u>Coastal</u>	<u>County Code</u>	<u>Discontinued</u>
1	201	CRESCENT CITY	Y	8	
1	204	ORICK	N	12	
1	210	KLAMATH	N	8	
2	211	ALBION	Y	23	
1	212	ARCATA	N	12	
2	213	POINT ARENA	Y	23	
1	215	SHELTER COVE	Y	12	
1	217	FIELDS LANDING	Y	12	
1	219	HUMBOLDT BAY	Y	12	
1	220	EUREKA	Y	12	
2	222	ELK	Y	23	
2	223	FORT BRAGG	Y	23	
2	227	LITTLE RIVER	Y	23	
1	231	TRINIDAD	Y	12	
2	233	WESTPORT	Y	23	
1	246	KING SALMON	Y	12	
10	252	COTTONWOOD	N	45	
10	322	FREEPORT	N	34	
10	324	BETHEL ISLAND	N	7	
3	325	SUISUN CITY	N	48	
10	330	SACRAMENTO	N	34	
4	341	BENICIA	Y	48	
10	343	COURTLAND	N	34	
3	345	PITTSBURG	Y	7	
10	346	LOCKE	N	34	
4	348	MARTINEZ	Y	7	
10	351	RIO VISTA	N	48	
10	352	STOCKTON	N	39	
4	357	CROCKETT	Y	7	
10	363	CLARKSBURG	N	57	
10	366	KNIGHTS LANDING	N	57	

Port Code Order

<u>Major Port</u>	<u>Port Code</u>	<u>Port Name</u>	<u>Coastal</u>	<u>County Code</u>	<u>Discontinued</u>
11	391	MONO LAKE	N	26	
4	401	FREMONT	N	1	
4	409	FOSTER CITY	Y	41	
4	412	GLEN COVE	Y	48	
4	417	NEWARK	Y	1	
3	424	TIMBER COVE	N	49	
4	425	EMERYVILLE	Y	1	
2	427	ANCHOR BAY	Y	23	
4	430	SAN LEANDRO	Y	1	
3	437	DRAKES BAY	Y	21	
4	439	PACIFICA	Y	41	
4	440	SAN FRANCISCO	Y	38	
3	441	DILLON BEACH	Y	21	
4	442	REDWOOD CITY	Y	41	
4	449	ALVISO	Y	43	
4	450	PINOLE	Y	7	
4	451	RODEO	Y	7	
4	452	PRINCETON-HALF MOON	Y	41	
4	453	VALLEJO	Y	48	
4	455	CHINA CAMP	Y	21	
4	459	PETALUMA	N	49	
3	462	MARSHALL	Y	21	
4	464	OAKLAND	Y	1	
4	468	SAN RAFAEL	Y	21	
4	469	SAUSALITO	Y	21	
4	470	SOUTH SAN FRANCISCO	Y	38	
4	471	ALAMEDA	Y	1	
4	472	BERKELEY	Y	1	
3	473	BODEGA BAY	Y	49	
3	474	INVERNESS	Y	21	
3	476	POINT REYES	Y	21	

Port Code Order

<u>Major Port</u>	<u>Port Code</u>	<u>Port Name</u>	<u>Coastal</u>	<u>County Code</u>	<u>Discontinued</u>
3	477	TOMALES BAY	Y	21	
4	478	RICHMOND	Y	7	
3	487	BOLINAS	Y	21	
3	488	MARCONI COVE	Y	21	
5	515	BIG CREEK	Y	27	
5	516	MILL CREEK	Y	27	
5	517	WILLOW CREEK	Y	27	
5	550	MONTEREY	Y	27	
5	592	MOSS LANDING	Y	27	
5	593	SANTA CRUZ	Y	44	
6	602	AVILA/PORT SAN LUIS	Y	40	
7	604	GAVIOTA BEACH	Y	42	
7	605	PORT HUENEME	Y	56	
6	606	MORRO BAY	Y	40	
7	608	OXNARD	Y	56	
7	611	SANTA BARBARA HARBOR	Y	42	
7	613	VENTURA	Y	56	
7	614	GOLETA BEACH	Y	42	
6	615	SAN SIMEON	Y	40	
7	618	GUADALUPE BEACH	N	42	
7	621	SURF BEACH	Y	42	
7	635	CARPENTERIA	Y	42	
11	652	LAKE ISABELLA	N	15	
8	729	MALIBU	Y	19	
8	733	CATALINA ISLAND	Y	19	
8	741	AVALON	Y	19	
8	742	REDONDO BEACH	Y	19	
8	743	LONG BEACH	Y	19	
8	744	LOS ANGELES	Y	19	
8	745	TERMINAL ISLAND	Y	19	
8	746	WILMINGTON	Y	19	

<u>Major Port</u>	<u>Port Code</u>	<u>Port Name</u>	<u>Coastal</u>	<u>County Code</u>	<u>Discontinued</u>
8	747	SANTA MONICA	Y	19	
8	748	NEWPORT BEACH	Y	30	
8	756	HERMOSA BEACH	Y	19	
8	760	SEAL BEACH	Y	30	
8	764	BALBOA	Y	30	
8	767	DANA POINT	Y	30	
8	768	HUNTINGTON BEACH	Y	30	
8	770	SAN PEDRO	Y	19	
8	776	MARINA DEL REY	Y	19	
9	868	IMPERIAL BEACH	Y	37	
9	869	MISSION BAY	Y	37	
9	870	SAN YSIDRO	N	37	
9	880	SAN DIEGO	Y	37	
9	881	POINT LOMA	Y	37	
9	882	NATIONAL CITY	Y	37	
9	883	OCEANSIDE	Y	37	
9	884	CORONADO	Y	37	
9	888	LA JOLLA	Y	37	
9	889	CHULA VISTA	Y	37	

Total Records: 112

End of Report

Appendix 4: County Codes

DFW County Codes
Extracted from CFIS on
04062011

Code	County
1	ALAMEDA
2	ALPINE
3	AMADOR
4	BUTTE
5	CALAVERAS
6	COLUSA
7	CONTRA COSTA
8	DEL NORTE
9	EL DORADO
10	FRESNO
11	GLENN
12	HUMBOLDT
13	IMPERIAL
14	INYO
15	KERN
16	KINGS
17	LAKE
18	LASSEN
19	LOS ANGELES
20	MADERA
21	MARIN
22	MARIPOSA
23	MENDOCINO
24	MERCED
25	MODOC
26	MONO
27	MONTEREY
28	NAPA
29	NEVADA
30	ORANGE
31	PLACER
32	PLUMAS
33	RIVERSIDE
34	SACRAMENTO
35	SAN BENITO
36	SAN BERNARDINO
37	SAN DIEGO
38	SAN FRANCISCO
39	SAN JOAQUIN
40	SAN LUIS OBISPO
41	SAN MATEO
42	SANTA BARBARA
43	SANTA CLARA
44	SANTA CRUZ
45	SHASTA

46 SIERRA
47 SISKIYOU
48 SOLANO
49 SONOMA
50 STANISLAUS
51 SUTTER
52 TEHAMA
53 TRINITY
54 TULARE
55 TUOLUMNE
56 VENTURA
57 YOLO
58 YUBA
77 none

Appendix 5: COFHE Models for 2012

CBNMS 2012 COFHE Model

Alameda County - CBNMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	
Trawl - Northern California	0	1.000000	0	0.122709	0	0.602213	0	1.724922	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	0	1.000000	0	0.511783	0	0.251595	0	1.763378	0	
Salmon & Albacore	0	1.000000	0	0.467697	0	0.138048	0	1.605746	0	
Salmon & Dungeness Crab - Small Vessels	203	1.000000	203	0.406772	83	0.361013	73	1.767785	359	
Salmon & Dungeness Crab - M & L Vessels	0	1.000000	0	0.269473	0	0.507051	0	1.776524	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	1.000000	0	0.143632	0	0.588733	0	1.732365	0	
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	268	1.000000	268	0.491968	132	0.252415	68	1.744383	467	
Hook & Line Live	2,219	1.000000	2,219	0.433843	963	0.297127	659	1.730970	3,841	
Lobster & Crab	0	1.000000	0	0.317641	0	0.432727	0	1.750368	0	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	2,690		2,690		1,177		800		4,667	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.763987	0	0.072793	0	0.375335	0	1.212116	0		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	0	0.250906	0	0.291105	0	0.156809	0	0.698820	0		
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - Small Vessels	203	0.383818	78	0.232249	47	0.225005	46	0.841072	171		
Salmon & Dungeness Crab - M & L Vessels	0	0.611706	0	0.155750	0	0.316025	0	1.083481	0		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	0	0.748734	0	0.083058	0	0.366934	0	1.198726	0		
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	268	0.250092	67	0.282658	76	0.157321	42	0.690071	185		
Hook & Line Live	2,219	0.311059	690	0.251509	558	0.185188	411	0.747756	1,659		
Lobster & Crab	0	0.492934	0	0.185605	0	0.269701	0	0.948240	0		
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	2,690		835		681		499		2,015		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685024	0	0.0044659	0	0.205398	0	0.935081	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125651	0	0.179199	0	0.085812	0	0.390662	0
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	203	0.296860	60	0.140568	29	0.123131	25	0.560560	114
Salmon & Dungeness Crab - M & L Vessels	0	0.518548	0	0.095831	0	0.172941	0	0.787320	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.662598	0	0.050752	0	0.200800	0	0.914151	0
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	268	0.131544	35	0.174300	47	0.086092	23	0.391936	105
Hook & Line Live	2,219	0.205777	457	0.154243	342	0.101342	225	0.461362	1,024
Lobster & Crab	0	0.410778	0	0.113544	0	0.147591	0	0.671913	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	2,690		552		418		273		1,243

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.021934	0	0.017607	0	0.131875	0	0.171416	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.051186	0	0.072079	0	0.055095	0	0.178361	0
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	203	0.006121	1	0.059279	12	0.079056	16	0.144456	29
Salmon & Dungeness Crab - M & L Vessels	0	0.029517	0	0.038229	0	0.111036	0	0.178782	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.018492	0	0.020913	0	0.128923	0	0.168329	0
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	268	0.030713	8	0.070718	19	0.055275	15	0.156706	42
Hook & Line Live	2,219	0.029670	66	0.062597	139	0.065066	144	0.157333	349
Lobster & Crab	0	0.016431	0	0.047113	0	0.094760	0	0.158305	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	2,690		75		170		175		420

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	0	0	0	0	0
Salmon & Albacore	0	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	62	41	41	143	143
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0
Longline	0	0	0	0	0
Harpoon/Spear	0	0	0	0	0
Hook & Line	43	66	38	147	147
Hook & Line Live	522	481	369	1,373	1,373
Lobster & Crab	0	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	0	0	0	0	0
Total	627	587	448	1,663	1,663

Operational Category	Output	Employment		Employment		Employment		Employment		Check	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total	Employment	Employment
Trawl - Northern California	0	8.774891	0.00000	0.894110	0.00000	4.421512	0.00000	14.000512	0.00000	0.00000	0.00000
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Salmon	0	120.899467	0.00000	3.340973	0.00000	1.847238	0.00000	126.087678	0.00000	0.00000	0.00000
Salmon & Albacore	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Salmon & Dungeness Crab - Small Vessels	0.000203	43.161671	0.00876	2.621208	0.00053	2.650596	0.00054	48.433475	0.00983	0.00983	0.00000
Salmon & Dungeness Crab - M & L Vessels	0	13.222919	0.00000	1.738490	0.00000	3.722824	0.00000	18.684233	0.00000	0.00000	0.00000
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Dungeness Crab - M & L Vessels	0	8.420818	0.00000	0.899410	0.00000	4.322544	0.00000	13.642773	0.00000	0.00000	0.00000
Longline	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Hook & Line	0.000268	432.534515	0.11592	3.415497	0.00092	1.853262	0.00050	437.803275	0.11733	0.11733	0.11733
Hook & Line Live	0.002219	151.747238	0.33673	2.891785	0.00642	2.181543	0.00484	156.820566	0.34798	0.34798	0.34798
Lobster & Crab	0	16.393444	0.00000	2.223156	0.00000	3.177126	0.00000	21.793726	0.00000	0.00000	0.00000
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.00000	0.00000
Total			0.46141		0.00786		0.00588		0.47515		0.47515

Contra Costa County - CBNMIS Catch 2012

Operational Category	Revenue 2013		Output		Output		Output		Output		Total
	\$		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	1.000000	0	0.434451	0	0.197174	0	1.631624	0	1.631624	0
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Longline	1,910	1.000000	1,910	0.209774	401	0.446152	852	1.655926	3,163	3,163	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,147	1.000000	2,147	0.458204	984	0.205169	440	1.663374	3,571	3,571	0
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	1,971	1.000000	1,971	0.128690	254	0.480478	947	1.609168	3,172	3,172	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	6,028		6,028		1,638		2,240		9,906		

Operational Category	Output	Direct		Indirect		Induced		Total	
		Value Added	Multplier	Value Added	Multplier	Value Added	Multplier	Value Added	Multplier
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.250674	0	0.240447	0	0.124458	0	0.615578	0
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Longline	1,910	0.631478	1,206	0.112573	215	0.281615	538	1.025666	1,959
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,147	0.250092	537	0.249036	535	0.129505	278	0.628632	1,350
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	1,971	0.689703	1,359	0.067159	132	0.291179	574	1.048041	2,066
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	6,028		3,102		882		1,390		5,374

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Salmon	0	0.125337	0	0.146104	0	0.066928	0	0.338369	0	0
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Longline	1,910	0.546385	1,044	0.067814	130	0.151440	289	0.765640	1,462	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Hook & Line	2,147	0.131518	282	0.150930	324	0.069642	150	0.352090	756	0
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Prawn Trap	1,971	0.579096	1,141	0.039919	79	0.148350	292	0.767365	1,512	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Total	6,028		2,467		532		731		3,731	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Multiplier	Direct Income	Multiplier	Indirect Income	Multiplier	Induced Income	Multiplier	Total Income
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.051319	0	0.062348	0	0.045178	0	0.158845	0
Salmon & Albacore	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Longline	1,910	0.025752	49	0.029530	56	0.102225	195	0.157507	301
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,147	0.030745	66	0.065922	142	0.047010	101	0.143676	308
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	1,971	0.019636	39	0.017402	34	0.111385	220	0.148422	293
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	6,028		154		232		516		902

Operational Category	Total	Total	Total	Total
	Income	Income	Income	Income
	Direct	Indirect	Induced	Total
Trawl - Northern California	0	0	0	0
Trawl - Southern California	0	0	0	0
CPS Seine	0	0	0	0
Herring Gillnet	0	0	0	0
Other Gillnet	0	0	0	0
Salmon	0	0	0	0
Salmon & Albacore	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0
Longline	1,093	186	485	1,763
Harpoon/Spear	0	0	0	0
Hook & Line	348	466	250	1,064
Hook & Line Live	0	0	0	0
Lobster & Crab	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0
Prawn Trap	1,180	113	512	1,805
Sea Urchin	0	0	0	0
Tuna/Other Seine	0	0	0	0
Total	2,621	764	1,247	4,633

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Trawl - Southern California	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
CPS Seine	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Herring Gillnet	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Gillnet	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Salmon	0	120.434349	0.000000	3.062820	0.000000	1.504664	0.000000	125.001833	0.000000
Salmon & Albacore	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Dungeness Crab - Small Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Dungeness Crab - M & L Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Longline	0.00191	38.073910	0.07272	1.345909	0.00257	3.404654	0.00650	42.824473	0.08179
Harpoon/Spear	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Hook & Line	0.002147	432.488312	0.92855	3.391510	0.00728	1.565679	0.00336	437.445501	0.93920
Hook & Line Live	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Lobster & Crab	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Nearshore & Groundfish Trap	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Prawn Trap	0.001971	9.256578	0.01824	0.982250	0.00194	4.350723	0.00858	14.589552	0.02876
Sea Urchin	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Tuna/Other Seine	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Total			1.01952		0.01179		0.01844		1.04975

Marin County - CBNM/S Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	0	0.091736	0	0	0	0	0	0	1.556828	0	0	0
Trawl - Southern California	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
CPS Seine	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Herring Gillnet	0	0.275802	0	0	0	0	0	0	1.407400	0	0	0
Other Gillnet	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Salmon	0	0.338397	0	0	0	0	0	0	1.502005	0	0	0
Salmon & Albacore	10,410	0.338397	10,410	3,523	3,523	1,703	0	1,703	1.502005	15,636	0	15,636
Salmon & Dungeness Crab - Small Vessels	1,216	0.268127	1,216	326	326	311	0	311	1.524240	1,853	0	1,853
Salmon & Dungeness Crab - M & L Vessels	0	0.188270	0	0	0	0	0	0	1.569037	0	0	0
Dungeness Crab - Small Vessels	0	0.202075	0	0	0	0	0	0	1.518063	0	0	0
Dungeness Crab - M & L Vessels	0	0.101138	0	0	0	0	0	0	1.553514	0	0	0
Longline	5,034	0.165079	5,034	831	831	1,979	0	1,979	1.558113	7,844	0	7,844
Harpoon/Spear	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Hook & Line	2,029	0.327002	2,029	663	663	332	0	332	1.490839	3,025	0	3,025
Hook & Line Live	0	0.296048	0	0	0	0	0	0	1.501150	0	0	0
Lobster & Crab	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Nearshore & Groundfish Trap	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Prawn Trap	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Sea Urchin	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Tuna/Other Seine	0	0.000000	0	0	0	0	0	0	0.000000	0	0	0
Total	18,689		18,689	5,343	5,343	4,326		4,326		28,358		28,358

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier		
Trawl - Northern California	0	0.764223	0	0.057452	0	0.305280	0	1.126956	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.249697	0	0.171916	0	0.086379	0	0.507992	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.251030	0	0.210913	0	0.107390	0	0.569333	0
Salmon & Albacore	10,410	0.251030	2,613	0.210913	2,196	0.107390	1,118	0.569333	5,927
Salmon & Dungeness Crab - Small Vessels	1,216	0.383788	467	0.168286	205	0.168109	204	0.720184	876
Salmon & Dungeness Crab - M & L Vessels	0	0.611769	0	0.117133	0	0.249931	0	0.978833	0
Dungeness Crab - Small Vessels	0	0.509404	0	0.125556	0	0.207410	0	0.842370	0
Dungeness Crab - M & L Vessels	0	0.748697	0	0.062488	0	0.296933	0	1.108119	0
Longline	5,034	0.631783	3,180	0.102933	518	0.257982	1,299	0.992697	4,997
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,029	0.250099	507	0.202348	411	0.107541	218	0.559988	1,136
Hook & Line Live	0	0.311829	0	0.184398	0	0.134626	0	0.630853	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	18,689		6,768		3,329		2,839		12,936

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	0	0.685256		0	0.034440	0	0.162787	0	0.882483	0
Trawl - Southern California	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.099660		0	0.103977	0	0.046061	0	0.249698	0
Other Gillnet	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125722		0	0.127449	0	0.057264	0	0.310435	0
Salmon & Albacore	10,410	0.125722		1,309	0.127449	1,327	0.057264	596	0.310435	3,232
Salmon & Dungeness Crab - Small Vessels	1,216	0.296875		361	0.099440	121	0.089642	109	0.485957	591
Salmon & Dungeness Crab - M & L Vessels	0	0.518549		0	0.070660	0	0.133273	0	0.722482	0
Dungeness Crab - Small Vessels	0	0.413519		0	0.075448	0	0.110599	0	0.599566	0
Dungeness Crab - M & L Vessels	0	0.662592		0	0.037426	0	0.158336	0	0.858354	0
Longline	5,034	0.546599		2,752	0.061591	310	0.137566	693	0.745756	3,754
Harpoon/Spear	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,029	0.131544		267	0.121982	248	0.057345	116	0.310872	631
Hook & Line Live	0	0.206536		0	0.110843	0	0.071788	0	0.389167	0
Lobster & Crab	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Total	18,689			4,688		2,005		1,514		8,207

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.022072	0	0.013985	0	0.111647	0	0.147704	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.054294	0	0.041670	0	0.031590	0	0.127554	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.051215	0	0.051012	0	0.039275	0	0.141501	0
Salmon & Albacore	10,410	0.051215	533	0.051012	531	0.039275	409	0.141501	1,473
Salmon & Dungeness Crab - Small Vessels	1,216	0.006072	7	0.041926	51	0.061481	75	0.109479	133
Salmon & Dungeness Crab - M & L Vessels	0	0.029533	0	0.028489	0	0.091405	0	0.149427	0
Dungeness Crab - Small Vessels	0	0.012119	0	0.030833	0	0.075854	0	0.118806	0
Dungeness Crab - M & L Vessels	0	0.018460	0	0.015650	0	0.108594	0	0.142704	0
Longline	5,034	0.025733	130	0.025329	128	0.094349	475	0.145411	732
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,029	0.030706	62	0.050039	102	0.039330	80	0.120075	244
Hook & Line Live	0	0.029698	0	0.045013	0	0.049235	0	0.123946	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	18,689		732		811		1,038		2,582

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	0	0	0	0	0
Salmon & Albacore	1,842	1,858	1,005	4,705	
Salmon & Dungeness Crab - Small Vessels	368	172	184	724	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	2,881	438	1,167	4,486	
Harpoon/Spear	0	0	0	0	
Hook & Line	329	349	196	874	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	5,421	2,816	2,552	10,789	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.757106	0.00000	0.578248	0.00000	3.524227	0.00000	12.859581	0.00000
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	212.990799	0.00000	1.827591	0.00000	0.997179	0.00000	215.815569	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0	120.903114	0.00000	2.277069	0.00000	1.239733	0.00000	124.419917	0.00000
Salmon & Albacore	0.01041	120.903114	1.25860	2.277069	0.02370	1.239733	0.01291	124.419917	1.29521
Salmon & Dungeness Crab - Small Vessels	0.001216	43.208855	0.05254	1.698513	0.00207	1.940689	0.00236	46.848057	0.05697
Salmon & Dungeness Crab - M & L Vessels	0	13.201868	0.00000	1.218649	0.00000	2.885258	0.00000	17.305775	0.00000
Dungeness Crab - Small Vessels	0	43.286915	0.00000	1.327858	0.00000	2.394391	0.00000	47.009163	0.00000
Dungeness Crab - M & L Vessels	0	8.402330	0.00000	0.617979	0.00000	3.427868	0.00000	12.448177	0.00000
Longline	0.005034	38.154396	0.19207	1.038830	0.00523	2.978202	0.01499	42.171428	0.21229
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.002029	432.523010	0.87759	2.260773	0.00459	1.241477	0.00252	436.025260	0.88470
Hook & Line Live	0	152.496628	0.00000	1.957092	0.00000	1.554152	0.00000	156.007872	0.00000
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			2.38080		0.03559		0.03278		2.44916

Mendocino County - CBNMIS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Total
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total		
Trawl - Northern California	0	0	1.000000	0.068325	0	0	0.449581	0	1.517906	0	
Trawl - Southern California	0	0	1.000000	0.131053	0	0	0.307769	0	1.438822	0	
CPS Seine	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Other Gillnet	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Salmon	0	0	1.000000	0.279313	0	0	0.137736	0	1.417049	0	
Salmon & Albacore	32,129	32,129	1.000000	0.270809	8,701	0	0.153911	4,945	1,424,720	45,775	
Salmon & Dungeness Crab - Small Vessels	0	0	1.000000	0.228592	0	0	0.234462	0	1,463,053	0	
Salmon & Dungeness Crab - M & L Vessels	12,350	12,350	1.000000	0.166512	2,056	0	0.362014	4,471	1,528,526	18,877	
Dungeness Crab - Small Vessels	0	0	1.000000	0.171500	0	0	0.296644	0	1,468,144	0	
Dungeness Crab - M & L Vessels	63,234	63,234	1.000000	0.091455	5,783	0	0.437646	27,674	1,529,101	96,691	
Longline	0	0	1.000000	0.148810	0	0	0.375881	0	1,524,691	0	
Harpoon/Spear	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Hook & Line	0	0	1.000000	0.280215	0	0	0.138980	0	1,419,195	0	
Hook & Line Live	0	0	1.000000	0.306330	0	0	0.186843	0	1,493,173	0	
Lobster & Crab	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Nearshore & Groundfish Trap	0	0	1.000000	0.293559	0	0	0.197561	0	1,491,120	0	
Prawn Trap	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Sea Urchin	0	0	1.000000	0.199818	0	0	0.235522	0	1,435,340	0	
Tuna/Other Seine	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Total	107,713	107,713			16,540	37,090			161,343		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764225	0	0.039522	0	0.281671	0	1.085418	0		
Trawl - Southern California	0	0.509517	0	0.074155	0	0.192823	0	0.776495	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	0	0.251004	0	0.150625	0	0.086294	0	0.487923	0		
Salmon & Albacore	32,129	0.299568	9,625	0.145140	4,663	0.096428	3,098	0.541136	17,386		
Salmon & Dungeness Crab - Small Vessels	0	0.383803	0	0.123497	0	0.146895	0	0.654194	0		
Salmon & Dungeness Crab - M & L Vessels	12,350	0.611762	7,555	0.085485	1,056	0.226808	2,801	0.924056	11,412		
Dungeness Crab - Small Vessels	0	0.509469	0	0.089357	0	0.185853	0	0.784680	0		
Dungeness Crab - M & L Vessels	63,234	0.748769	47,348	0.044922	2,841	0.274193	17,338	1.067884	67,527		
Longline	0	0.631737	0	0.075907	0	0.235497	0	0.943141	0		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	0	0.250078	0	0.143401	0	0.087073	0	0.480553	0		
Hook & Line Live	0	0.311455	0	0.142836	0	0.117061	0	0.571352	0		
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Nearshore & Groundfish Trap	0	0.348467	0	0.133754	0	0.123775	0	0.605996	0		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.422830	0	0.114323	0	0.147559	0	0.684712	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	107,713		64,528		8,560		23,238		96,325		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct Multiplier	Direct	Indirect Multiplier	Indirect	Induced Multiplier	Induced	Total Multiplier	Total
Trawl - Northern California	0	0.685264	0	0.023450	0	0.143421	0	0.852134	0
Trawl - Southern California	0	0.439973	0	0.045190	0	0.098181	0	0.583344	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125702	0	0.091423	0	0.043939	0	0.261064	0
Salmon & Albacore	32,129	0.155236	4,988	0.087388	2,808	0.049099	1,578	0.291722	9,373
Salmon & Dungeness Crab - Small Vessels	0	0.296876	0	0.072726	0	0.074796	0	0.444398	0
Salmon & Dungeness Crab - M & L Vessels	12,350	0.518545	6,404	0.052129	644	0.115486	1,426	0.686160	8,474
Dungeness Crab - Small Vessels	0	0.413606	0	0.054020	0	0.094632	0	0.562258	0
Dungeness Crab - M & L Vessels	63,234	0.662628	41,901	0.027270	1,724	0.139613	8,828	0.829512	52,453
Longline	0	0.546697	0	0.045837	0	0.119910	0	0.712444	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.131534	0	0.087552	0	0.044336	0	0.263422	0
Hook & Line Live	0	0.206150	0	0.0888387	0	0.059605	0	0.354142	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.228288	0	0.083144	0	0.063024	0	0.374456	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.303327	0	0.067947	0	0.075134	0	0.446407	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	107,713		53,292		5,176		11,832		70,300

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Direct	Multiplier	Induced	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.022077	0	0.009852	0	0.107810	0	0.139739	0
Trawl - Southern California	0	0.018450	0	0.018173	0	0.073803	0	0.110426	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.051218	0	0.036717	0	0.033029	0	0.120964	0
Salmon & Albacore	32,129	0.067686	2,175	0.036110	1,160	0.036908	1,186	0.140704	4,521
Salmon & Dungeness Crab - Small Vessels	0	0.006078	0	0.031528	0	0.056224	0	0.093830	0
Salmon & Dungeness Crab - M & L Vessels	12,350	0.029531	365	0.020740	256	0.086811	1,072	0.137082	1,693
Dungeness Crab - Small Vessels	0	0.012152	0	0.022312	0	0.071135	0	0.105599	0
Dungeness Crab - M & L Vessels	63,234	0.018486	1,169	0.011193	708	0.104947	6,636	0.134626	8,513
Longline	0	0.025421	0	0.018668	0	0.090136	0	0.134225	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.030700	0	0.034982	0	0.033327	0	0.099010	0
Hook & Line Live	0	0.029804	0	0.033773	0	0.044805	0	0.108382	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.039266	0	0.031442	0	0.047375	0	0.118083	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.029190	0	0.028801	0	0.056478	0	0.114469	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	107,713		3,708		2,124		8,894		14,727

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	7,162	3,968	2,763	13,893	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	6,769	900	2,498	10,167	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	43,070	2,432	15,465	60,966	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	57,001	7,300	20,726	85,027	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.736550	0.00000	0.621212	0.00000	4.444526	0.00000	13.802289	0.00000
Trawl - Southern California	0	29.829544	0.00000	1.380180	0.00000	3.042580	0.00000	34.252305	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0	120.899529	0.00000	2.563362	0.00000	1.361647	0.00000	124.824538	0.00000
Salmon & Albacore	0.032129	110.651314	3.55512	2.384941	0.07663	1.521553	0.04889	114.557808	3.68063
Salmon & Dungeness Crab - Small Vessels	0	43.207561	0.00000	1.942734	0.00000	2.317872	0.00000	47.468167	0.00000
Salmon & Dungeness Crab - M & L Vessels	0.01235	13.202424	0.16305	1.457029	0.01799	3.578843	0.04420	18.238296	0.22524
Dungeness Crab - Small Vessels	0	43.354336	0.00000	1.495689	0.00000	2.932604	0.00000	47.782629	0.00000
Dungeness Crab - M & L Vessels	0.063234	8.421917	0.53255	0.755717	0.04779	4.326534	0.27358	13.504169	0.85392
Longline	0	38.490429	0.00000	1.250523	0.00000	3.715935	0.00000	43.456887	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0	432.532379	0.00000	2.492371	0.00000	1.373944	0.00000	436.398694	0.00000
Hook & Line Live	0	151.974136	0.00000	2.490570	0.00000	1.847118	0.00000	156.311825	0.00000
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Nearshore & Groundfish Trap	0	81.911163	0.00000	2.339966	0.00000	1.953072	0.00000	86.204202	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	38.068993	0.00000	1.845898	0.00000	2.328352	0.00000	42.243243	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			4.25072		0.14241		0.36667		4.75979

San Francisco County - CBNMIS Catch
2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	73,366	1.000000	73,366	0.097450	7,150	0.491839	36,084	1.589289	116,600	
Trawl - Southern California	0	1.000000	0	0.295013	0	0.376708	0	1.671721	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	1,636	1.000000	1,636	0.310182	507	0.147365	241	1.457547	2,385	
Other Gillnet	0	1.000000	0	0.346735	0	0.300143	0	1.646878	0	
Salmon	0	1.000000	0	0.417637	0	0.188963	0	1.606600	0	
Salmon & Albacore	26,230	1.000000	26,230	0.387883	10,174	0.203031	5,326	1.590914	41,730	
Salmon & Dungeness Crab - Small Vessels	0	1.000000	0	0.342102	0	0.285405	0	1.627507	0	
Salmon & Dungeness Crab - M & L Vessels	35,820	1.000000	35,820	0.228150	8,172	0.409382	14,664	1.637532	58,656	
Dungeness Crab - Small Vessels	0	1.000000	0	0.268886	0	0.348023	0	1.616909	0	
Dungeness Crab - M & L Vessels	0	1.000000	0	0.125016	0	0.481495	0	1.606510	0	
Longline	21,467	1.000000	21,467	0.202232	4,341	0.421929	9,058	1.624161	34,866	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	282	1.000000	282	0.431672	122	0.196560	55	1.628232	459	
Hook & Line Live	0	1.000000	0	0.420000	0	0.241440	0	1.661441	0	
Lobster & Crab	0	1.000000	0	0.308089	0	0.350701	0	1.658790	0	
Nearshore & Groundfish Trap	0	1.000000	0	0.389711	0	0.248684	0	1.638395	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	1.000000	0	0.310183	0	0.285002	0	1.595186	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	158,801		158,801		30,467		65,428		254,695	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier		
Trawl - Northern California	73,366	0.764230	56,068	0.060867	4,466	0.321569	23,592	1.146666	84,126		
Trawl - Southern California	0	0.510796	0	0.184637	0	0.246296	0	0.941729	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	1,636	0.249731	409	0.189957	311	0.096349	158	0.536037	877		
Other Gillnet	0	0.400470	0	0.216831	0	0.196237	0	0.813537	0		
Salmon	0	0.251007	0	0.246260	0	0.123546	0	0.620813	0		
Salmon & Albacore	26,230	0.299593	7,858	0.232195	6,090	0.132743	3,482	0.664531	17,431		
Salmon & Dungeness Crab - Small Vessels	0	0.383844	0	0.201121	0	0.186601	0	0.771566	0		
Salmon & Dungeness Crab - M & L Vessels	35,820	0.611762	21,913	0.133209	4,772	0.267658	9,588	1.012629	36,272		
Dungeness Crab - Small Vessels	0	0.509412	0	0.158536	0	0.227541	0	0.895489	0		
Dungeness Crab - M & L Vessels	0	0.748767	0	0.071916	0	0.314806	0	1.135489	0		
Longline	21,467	0.631728	13,561	0.118169	2,537	0.275861	5,922	1.025758	22,020		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	282	0.250086	71	0.252624	71	0.128513	36	0.631223	178		
Hook & Line Live	0	0.311477	0	0.235507	0	0.157856	0	0.704841	0		
Lobster & Crab	0	0.489986	0	0.175866	0	0.229292	0	0.895144	0		
Nearshore & Groundfish Trap	0	0.348329	0	0.215986	0	0.162592	0	0.726908	0		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.423433	0	0.188488	0	0.186337	0	0.798258	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	158,801		99,881		18,246		42,777		160,904		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total	Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	73,366	0.685265		50,275	0.037167	2,727	0.175763	12,895	0.898195	65,897	
Trawl - Southern California	0	0.440584		0	0.112741	0	0.134620	0	0.687945	0	0
CPS Seine	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Herring Gillnet	1,636	0.099686		163	0.116770	191	0.052662	86	0.269118	440	440
Other Gillnet	0	0.308820		0	0.132043	0	0.107259	0	0.548122	0	0
Salmon	0	0.125704		0	0.151853	0	0.067528	0	0.345084	0	0
Salmon & Albacore	26,230	0.155211		4,071	0.143009	3,751	0.072555	1,903	0.370774	9,725	9,725
Salmon & Dungeness Crab - Small Vessels	0	0.296918		0	0.122297	0	0.101992	0	0.521206	0	0
Salmon & Dungeness Crab - M & L Vessels	35,820	0.518545		18,574	0.082772	2,965	0.146296	5,240	0.747613	26,779	26,779
Dungeness Crab - Small Vessels	0	0.413516		0	0.097676	0	0.124369	0	0.635560	0	0
Dungeness Crab - M & L Vessels	0	0.662628		0	0.044611	0	0.172066	0	0.879305	0	0
Longline	21,467	0.546691		11,736	0.073056	1,568	0.150780	3,237	0.770526	16,541	16,541
Harpoon/Spear	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Hook & Line	282	0.131541		37	0.157175	44	0.070243	20	0.358958	101	101
Hook & Line Live	0	0.206163		0	0.148475	0	0.086281	0	0.440919	0	0
Lobster & Crab	0	0.405046		0	0.110079	0	0.125326	0	0.640451	0	0
Nearshore & Groundfish Trap	0	0.228241		0	0.137036	0	0.088869	0	0.454146	0	0
Prawn Trap	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Sea Urchin	0	0.303437		0	0.115186	0	0.101848	0	0.520471	0	0
Tuna/Other Seine	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Total	158,801			84,857		11,246		23,381		119,484	119,484

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	
Trawl - Northern California	73,366	0.022078	1,620	0.014100	1,034	0.113522	8,329	0.149700	10,983	
Trawl - Southern California	0	0.019138	0	0.046882	0	0.086949	0	0.152969	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	1,636	0.054316	89	0.044525	73	0.034014	56	0.132854	217	
Other Gillnet	0	0.036430	0	0.054950	0	0.069277	0	0.160657	0	
Salmon	0	0.051219	0	0.057595	0	0.043615	0	0.152429	0	
Salmon & Albacore	26,230	0.067722	1,776	0.054298	1,424	0.046862	1,229	0.168883	4,430	
Salmon & Dungeness Crab - Small Vessels	0	0.006077	0	0.048670	0	0.065875	0	0.120623	0	
Salmon & Dungeness Crab - M & L Vessels	35,820	0.029530	1,058	0.030350	1,087	0.094490	3,385	0.154371	5,530	
Dungeness Crab - Small Vessels	0	0.012113	0	0.038333	0	0.080328	0	0.130774	0	
Dungeness Crab - M & L Vessels	0	0.018486	0	0.016704	0	0.111135	0	0.146325	0	
Longline	21,467	0.025419	546	0.027344	587	0.097386	2,091	0.150150	3,223	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	282	0.030699	9	0.059650	17	0.045369	13	0.135717	38	
Hook & Line Live	0	0.029805	0	0.053318	0	0.055727	0	0.138851	0	
Lobster & Crab	0	0.017550	0	0.041195	0	0.080946	0	0.139690	0	
Nearshore & Groundfish Trap	0	0.039194	0	0.047705	0	0.057399	0	0.144299	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.029424	0	0.045307	0	0.065782	0	0.140514	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	158,801		5,097		4,222		15,102		24,421	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced		
Trawl - Northern California	51,895	3,761	21,224	76,880	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	252	264	142	658	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	5,848	5,175	3,132	14,155	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	19,632	4,052	8,625	32,309	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	12,281	2,155	5,327	19,764	
Harpoon/Spear	0	0	0	0	
Hook & Line	46	61	33	139	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	89,954	15,469	38,483	143,905	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0.073366	8.736168	0.64094	0.595264	0.04367	3.367198	0.24704	12.698631	0.93165
Trawl - Southern California	0	29.966528	0.00000	2.027906	0.00000	2.579000	0.00000	34.573434	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0.001636	213.002838	0.34847	1.912842	0.00313	1.008883	0.00165	215.924563	0.35325
Other Gillnet	0	23.679096	0.00000	2.340153	0.00000	2.054823	0.00000	28.074072	0.00000
Salmon	0	120.899231	0.00000	2.485832	0.00000	1.293669	0.00000	124.678732	0.00000
Salmon & Albacore	0.02623	110.690956	2.90342	2.244949	0.05889	1.389977	0.03646	114.325882	2.99877
Salmon & Dungeness Crab - Small Vessels	0	43.190449	0.00000	1.947227	0.00000	1.953924	0.00000	47.091600	0.00000
Salmon & Dungeness Crab - M & L Vessels	0.03582	13.202483	0.47291	1.322582	0.04737	2.802687	0.10039	17.327752	0.62068
Dungeness Crab - Small Vessels	0	43.295197	0.00000	1.558975	0.00000	2.382618	0.00000	47.236790	0.00000
Dungeness Crab - M & L Vessels	0	8.422237	0.00000	0.681245	0.00000	3.296381	0.00000	12.399864	0.00000
Longline	0.021467	38.489243	0.82625	1.155281	0.02480	2.888586	0.06201	42.533109	0.91306
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.000282	432.529724	0.12197	2.599091	0.00073	1.345680	0.00038	436.474495	0.12309
Hook & Line Live	0	151.983871	0.00000	2.378738	0.00000	1.652936	0.00000	156.015546	0.00000
Lobster & Crab	0	21.754385	0.00000	1.784843	0.00000	2.400951	0.00000	25.940180	0.00000
Nearshore & Groundfish Trap	0	81.933395	0.00000	2.150314	0.00000	1.702525	0.00000	85.786235	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	38.143379	0.00000	1.876995	0.00000	1.951168	0.00000	41.971542	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			5.31397		0.17859		0.44793		5.94049

San Mateo County - CBNMIS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Output	
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output
Trawl - Northern California	0	1.000000	0	0.108412	0	0.474076	0	1.582488	0		0
Trawl - Southern California	0	1.000000	0	0.386262	0	0.381437	0	1.767699	0		0
CPS Seine	294	1.000000	294	0.073781	22	0.525949	155	1.599730	470		470
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Salmon	21	1.000000	21	0.465311	10	0.191192	4	1.656503	35		35
Salmon & Albacore	12,049	1.000000	12,049	0.412423	4,969	0.199717	2,406	1.612141	19,425		19,425
Salmon & Dungeness Crab - Small Vessels	0	1.000000	0	0.374910	0	0.280859	0	1.655769	0		0
Salmon & Dungeness Crab - M & L Vessels	26,633	1.000000	26,633	0.237651	6,329	0.395212	10,526	1.632862	43,488		43,488
Dungeness Crab - Small Vessels	0	1.000000	0	0.291104	0	0.338877	0	1.629981	0		0
Dungeness Crab - M & L Vessels	2,521	1.000000	2,521	0.124776	315	0.462370	1,166	1.587146	4,001		4,001
Longline	527	1.000000	527	0.204806	108	0.405988	214	1.610794	849		849
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Hook & Line	0	1.000000	0	0.473767	0	0.198289	0	1.672056	0		0
Hook & Line Live	0	1.000000	0	0.398212	0	0.229418	0	1.627631	0		0
Lobster & Crab	0	1.000000	0	0.308848	0	0.338368	0	1.647216	0		0
Nearshore & Groundfish Trap	0	1.000000	0	0.354310	0	0.233337	0	1.587647	0		0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Tuna/Other Seine	28,347	1.000000	28,347	0.049265	1,397	0.575218	16,306	1.624483	46,049		46,049
Total	70,392		70,392		13,149		30,776		114,317		114,317

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total
		Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Total	
Trawl - Northern California	0	0.764225	0	0.066788	0	0.305307	0	1.136320	0	
Trawl - Southern California	0	0.510829	0	0.239566	0	0.245647	0	0.996042	0	
CPS Seine	294	0.860202	253	0.045038	13	0.338713	100	1.243953	366	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	21	0.251004	5	0.275609	6	0.123129	3	0.649742	14	
Salmon & Albacore	12,049	0.299564	3,609	0.249184	3,002	0.128619	1,550	0.677367	8,162	
Salmon & Dungeness Crab - Small Vessels	0	0.383661	0	0.223820	0	0.180875	0	0.788356	0	
Salmon & Dungeness Crab - M & L Vessels	26,633	0.611762	16,293	0.142465	3,794	0.254518	6,779	1.008746	26,866	
Dungeness Crab - Small Vessels	0	0.509510	0	0.174723	0	0.218238	0	0.902471	0	
Dungeness Crab - M & L Vessels	2,521	0.748767	1,888	0.074835	189	0.297768	751	1.121370	2,827	
Longline	527	0.631783	333	0.124293	66	0.261458	138	1.017534	536	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	0	0.250081	0	0.284974	0	0.127699	0	0.662753	0	
Hook & Line Live	0	0.311429	0	0.240612	0	0.147746	0	0.699787	0	
Lobster & Crab	0	0.489597	0	0.188616	0	0.217910	0	0.896123	0	
Nearshore & Groundfish Trap	0	0.348149	0	0.213537	0	0.150270	0	0.711956	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	28,347	0.904618	25,643	0.030411	862	0.370443	10,501	1.305472	37,006	
Total	70,392		48,024		7,932		19,820		75,776	

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685263	0	0.040250	0	0.162923	0	0.888436	0
Trawl - Southern California	0	0.440605	0	0.143136	0	0.131086	0	0.714827	0
CPS Seine	294	0.777638	229	0.027261	8	0.180750	53	0.985648	290
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	21	0.125702	3	0.166893	4	0.065706	1	0.358301	8
Salmon & Albacore	12,049	0.155226	1,870	0.150416	1,812	0.068636	827	0.374278	4,510
Salmon & Dungeness Crab - Small Vessels	0	0.296780	0	0.133040	0	0.096521	0	0.526341	0
Salmon & Dungeness Crab - M & L Vessels	26,633	0.518545	13,810	0.086277	2,298	0.135820	3,617	0.740642	19,726
Dungeness Crab - Small Vessels	0	0.413591	0	0.105018	0	0.116460	0	0.635069	0
Dungeness Crab - M & L Vessels	2,521	0.662628	1,670	0.044972	113	0.158900	401	0.866499	2,184
Longline	527	0.546723	288	0.074590	39	0.139523	74	0.760837	401
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.131535	0	0.171921	0	0.068145	0	0.371601	0
Hook & Line Live	0	0.206131	0	0.144965	0	0.078843	0	0.429939	0
Lobster & Crab	0	0.404765	0	0.113064	0	0.116285	0	0.634114	0
Nearshore & Groundfish Trap	0	0.228048	0	0.129045	0	0.080190	0	0.437283	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	28,347	0.862077	24,437	0.018222	517	0.197682	5,604	1.077980	30,557
Total	70,392		42,308		4,791		10,577		57,675

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	Total
Trawl - Northern California	0	0.022079	0	0.016476	0	0.110506	0	0.149060	0	0	
Trawl - Southern California	0	0.019146	0	0.065072	0	0.088912	0	0.173129	0	0	
CPS Seine	294	0.014124	4	0.011278	3	0.122597	36	0.147999	44	44	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon	21	0.051220	1	0.069529	1	0.044566	1	0.165316	3	3	
Salmon & Albacore	12,049	0.067682	816	0.062573	754	0.046554	561	0.176809	2,130	2,130	
Salmon & Dungeness Crab - Small Vessels	0	0.006023	0	0.058228	0	0.065467	0	0.129718	0	0	
Salmon & Dungeness Crab - M & L Vessels	26,633	0.029531	786	0.035458	944	0.092123	2,454	0.157112	4,184	4,184	
Dungeness Crab - Small Vessels	0	0.012144	0	0.045786	0	0.078991	0	0.136921	0	0	
Dungeness Crab - M & L Vessels	2,521	0.018486	47	0.019082	48	0.107777	272	0.145345	366	366	
Longline	527	0.025427	13	0.031380	17	0.094634	50	0.151441	80	80	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	0	0.030701	0	0.073702	0	0.046221	0	0.150624	0	0	
Hook & Line Live	0	0.029771	0	0.061124	0	0.053477	0	0.144372	0	0	
Lobster & Crab	0	0.017766	0	0.049442	0	0.078873	0	0.146081	0	0	
Nearshore & Groundfish Trap	0	0.039319	0	0.053391	0	0.054390	0	0.147100	0	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Tuna/Other Seine	28,347	0.012059	342	0.007626	216	0.134081	3,801	0.153766	4,359	4,359	
Total	70,392		2,009		1,984		7,174		11,167	11,167	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced		
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	233	11	89	333	333
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	4	5	2	11	11
Salmon & Albacore	2,686	2,566	1,388	6,640	6,640
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	14,597	3,242	6,071	23,910	23,910
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	1,717	161	672	2,551	2,551
Longline	302	56	123	481	481
Harpoon/Spear	0	0	0	0	0
Hook & Line	0	0	0	0	0
Hook & Line Live	0	0	0	0	0
Lobster & Crab	0	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	24,779	733	9,404	34,916	34,916
Total	44,317	6,775	17,750	68,842	68,842

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	0	8.736757	0.00000	0.656263	0.00000	3.379006	0.00000	12.772026	0.00000		
Trawl - Southern California	0	29.967974	0.00000	2.761290	0.00000	2.718717	0.00000	35.447981	0.00000		
CPS Seine	0.000294	4.207363	0.00124	0.451229	0.00013	3.748734	0.00110	8.407327	0.00247		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon	0.000021	120.898643	0.00254	2.829132	0.00006	1.362734	0.00003	125.090510	0.00263		
Salmon & Albacore	0.012049	110.636940	1.33306	2.472313	0.02979	1.423498	0.01715	114.532751	1.38001		
Salmon & Dungeness Crab - Small Vessels	0	43.188519	0.00000	2.211048	0.00000	2.001845	0.00000	47.401411	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.026633	13.202218	0.35161	1.431460	0.03812	2.816898	0.07502	17.450576	0.46476		
Dungeness Crab - Small Vessels	0	43.291538	0.00000	1.773384	0.00000	2.415368	0.00000	47.480290	0.00000		
Dungeness Crab - M & L Vessels	0.002521	8.422163	0.02123	0.730001	0.00184	3.295571	0.00831	12.447736	0.03138		
Longline	0.000527	38.488331	0.02028	1.229481	0.00065	2.893705	0.00152	42.611517	0.02246		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0	432.531250	0.00000	3.015350	0.00000	1.413317	0.00000	436.959917	0.00000		
Hook & Line Live	0	151.964279	0.00000	2.460144	0.00000	1.635195	0.00000	156.059618	0.00000		
Lobster & Crab	0	21.613619	0.00000	1.982088	0.00000	2.411740	0.00000	26.007447	0.00000		
Nearshore & Groundfish Trap	0	81.873436	0.00000	2.136894	0.00000	1.663126	0.00000	85.673456	0.00000		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Tuna/Other Seine	0.028347	8.543684	0.24219	0.293364	0.00832	4.099904	0.11622	12.936951	0.36672		
Total			1.97216		0.07891		0.21936		2.27043		

Sonoma County - CBNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output		Total
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total			
Trawl - Northern California	0	0	0	0	0	0	0	0	0	0	0	0	
Trawl - Southern California	0	0	0	0	0	0	0	0	0	0	0	0	
CPS Seine	0	0	0	0	0	0	0	0	0	0	0	0	
Herring Gillnet	0	0	0	0	0	0	0	0	0	0	0	0	
Other Gillnet	0	0	0	0	0	0	0	0	0	0	0	0	
Salmon	21	21	21	10	10	5	5	5	1.693593	36	36	36	
Salmon & Albacore	66,126	66,126	66,126	28,872	28,872	16,894	16,894	16,894	1.692103	111,892	111,892	111,892	
Salmon & Dungeness Crab - Small Vessels	631	631	631	236	236	223	223	223	1.727697	1,090	1,090	1,090	
Salmon & Dungeness Crab - M & L Vessels	280,527	280,527	280,527	71,877	71,877	141,506	141,506	141,506	1.760650	493,910	493,910	493,910	
Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	1.722615	0	0	0	
Dungeness Crab - M & L Vessels	21,570	21,570	21,570	3,082	3,082	12,743	12,743	12,743	1.733664	37,395	37,395	37,395	
Longline	3,912	3,912	3,912	892	892	2,030	2,030	2,030	1.747084	6,835	6,835	6,835	
Harpoon/Spear	0	0	0	0	0	0	0	0	0.000000	0	0	0	
Hook & Line	12,667	12,667	12,667	6,206	6,206	3,157	3,157	3,157	1.739172	22,030	22,030	22,030	
Hook & Line Live	0	0	0	0	0	0	0	0	1.774592	0	0	0	
Lobster & Crab	3,836	3,836	3,836	1,368	1,368	1,666	1,666	1,666	1.791006	6,870	6,870	6,870	
Nearshore & Groundfish Trap	857	857	857	376	376	264	264	264	1.747059	1,497	1,497	1,497	
Prawn Trap	2,798	2,798	2,798	360	360	1,344	1,344	1,344	1.609168	4,502	4,502	4,502	
Sea Urchin	0	0	0	0	0	0	0	0	1.690545	0	0	0	
Tuna/Other Seine	0	0	0	0	0	0	0	0	0.000000	0	0	0	
Total	392,945	392,945	392,945	113,278	113,278	179,834	179,834	179,834	0.000000	686,057	686,057	686,057	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764228	0	0.065292	0	0.371704	0	1.201224	0		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.400729	0	0.249999	0	0.235441	0	0.886169	0		
Salmon	21	0.251006	5	0.264187	6	0.146682	3	0.661875	14		
Salmon & Albacore	66,126	0.299556	19,808	0.251240	16,613	0.157599	10,421	0.708394	46,843		
Salmon & Dungeness Crab - Small Vessels	631	0.383800	242	0.216055	136	0.218405	138	0.818261	516		
Salmon & Dungeness Crab - M & L Vessels	280,527	0.611761	171,615	0.144189	40,449	0.311160	87,289	1.067110	299,353		
Dungeness Crab - Small Vessels	0	0.509412	0	0.167409	0	0.264143	0	0.940965	0		
Dungeness Crab - M & L Vessels	21,570	0.748769	16,151	0.078335	1,690	0.364423	7,861	1.191526	25,701		
Longline	3,912	0.631801	2,472	0.127471	499	0.320159	1,252	1.079431	4,223		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	12,667	0.250067	3,168	0.276526	3,503	0.153737	1,947	0.680330	8,618		
Hook & Line Live	0	0.311479	0	0.252213	0	0.185308	0	0.749000	0		
Lobster & Crab	3,836	0.489393	1,877	0.192047	737	0.267972	1,028	0.949412	3,642		
Nearshore & Groundfish Trap	857	0.348492	299	0.230048	197	0.189952	163	0.768492	659		
Prawn Trap	2,798	0.689703	1,930	0.067159	188	0.291179	815	1.048041	2,932		
Sea Urchin	0	0.422954	0	0.201531	0	0.217700	0	0.842185	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	392,945		217,567		64,017		110,917		392,501		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685261	0	0.039167	0	0.201869	0	0.926298	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.308758	0	0.150103	0	0.127866	0	0.586727	0
Salmon	21	0.125703	3	0.160172	3	0.079662	2	0.365537	8
Salmon & Albacore	66,126	0.155222	10,264	0.151928	10,046	0.085591	5,660	0.392741	25,970
Salmon & Dungeness Crab - Small Vessels	631	0.296872	187	0.128787	81	0.118614	75	0.544273	343
Salmon & Dungeness Crab - M & L Vessels	280,527	0.518544	145,466	0.087887	24,655	0.168988	47,406	0.775420	217,526
Dungeness Crab - Small Vessels	0	0.413527	0	0.101273	0	0.143454	0	0.658254	0
Dungeness Crab - M & L Vessels	21,570	0.662630	14,293	0.047609	1,027	0.197915	4,269	0.908154	19,589
Longline	3,912	0.546739	2,139	0.077232	302	0.173876	680	0.797846	3,121
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	12,667	0.131514	1,666	0.168111	2,129	0.083493	1,058	0.383118	4,853
Hook & Line Live	0	0.206165	0	0.154990	0	0.100639	0	0.461794	0
Lobster & Crab	3,836	0.404806	1,553	0.117455	451	0.145533	558	0.667795	2,562
Nearshore & Groundfish Trap	857	0.228169	196	0.142036	122	0.103161	88	0.473366	406
Prawn Trap	2,798	0.579096	1,620	0.039919	112	0.148350	415	0.767365	2,147
Sea Urchin	0	0.303375	0	0.120909	0	0.118231	0	0.542515	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	392,945		177,386		38,928		60,211		276,525

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.0222081	0	0.016124	0	0.131747	0	0.169951	0	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.039416	0	0.066568	0	0.083450	0	0.189433	0	0	
Salmon	21	0.051219	1	0.065663	1	0.051990	1	0.168872	4	4	
Salmon & Albacore	66,126	0.067689	4,476	0.062895	4,159	0.055859	3,694	0.186444	12,329	12,329	
Salmon & Dungeness Crab - Small Vessels	631	0.006077	4	0.055181	35	0.077411	49	0.138670	88	88	
Salmon & Dungeness Crab - M & L Vessels	280,527	0.029530	8,284	0.035330	9,911	0.110287	30,938	0.175147	49,133	49,133	
Dungeness Crab - Small Vessels	0	0.012115	0	0.042516	0	0.093623	0	0.148254	0	0	
Dungeness Crab - M & L Vessels	21,570	0.018485	399	0.019599	423	0.129166	2,786	0.167250	3,608	3,608	
Longline	3,912	0.025454	100	0.031536	123	0.113477	444	0.170466	667	667	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	12,667	0.030690	389	0.069946	886	0.054490	690	0.155127	1,965	1,965	
Hook & Line Live	0	0.029802	0	0.061542	0	0.065681	0	0.157024	0	0	
Lobster & Crab	3,836	0.018126	70	0.048211	185	0.094980	364	0.161316	619	619	
Nearshore & Groundfish Trap	857	0.039217	34	0.055284	47	0.067326	58	0.161827	139	139	
Prawn Trap	2,798	0.019636	55	0.017402	49	0.111385	312	0.148422	415	415	
Sea Urchin	0	0.029203	0	0.051110	0	0.077161	0	0.157474	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	392,945		13,810		15,819		39,336		68,966		

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	4	5	3	11	
Salmon & Albacore	14,740	14,205	9,354	38,299	
Salmon & Dungeness Crab - Small Vessels	191	116	124	431	
Salmon & Dungeness Crab - M & L Vessels	153,750	34,566	78,344	266,660	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	14,692	1,450	7,055	23,196	
Longline	2,238	426	1,124	3,788	
Harpoon/Spear	0	0	0	0	
Hook & Line	2,055	3,015	1,748	6,818	
Hook & Line Live	0	0	0	0	
Lobster & Crab	1,622	635	923	3,180	
Nearshore & Groundfish Trap	229	169	146	544	
Prawn Trap	1,675	160	727	2,562	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	191,196	54,748	99,547	345,491	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0	8.735024	0.862211	0.00000	0.00000	5.165397	0.00000	14.762633	0.00000
Trawl - Southern California	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	26.315792	4.001234	0.00000	0.00000	3.271816	0.00000	33.588843	0.00000
Salmon	0.000021	120.900063	3.737411	0.00008	0.00008	2.038376	0.00004	126.675850	0.00266
Salmon & Albacore	0.066126	110.636955	3.394501	0.22446	0.22446	2.190070	0.14482	116.221526	7.68526
Salmon & Dungeness Crab - Small Vessels	0.000631	43.207283	2.938011	0.00185	0.00185	3.035078	0.00192	49.180372	0.03103
Salmon & Dungeness Crab - M & L Vessels	0.280527	13.202480	1.995654	0.55983	0.55983	4.324040	1.21301	19.522175	5.47650
Dungeness Crab - Small Vessels	0	43.286659	2.355862	0.00000	0.00000	3.670676	0.00000	49.313197	0.00000
Dungeness Crab - M & L Vessels	0.02157	8.422889	1.060717	0.02288	0.02288	5.064218	0.10924	14.547823	0.31380
Longline	0.003912	38.503994	1.734779	0.00679	0.00679	4.449099	0.01740	44.687872	0.17482
Harpoon/Spear	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.012667	432.531006	4.082123	0.05171	0.05171	2.136414	0.02706	438.749542	5.55764
Hook & Line Live	0	151.957977	3.617172	0.00000	0.00000	2.575144	0.00000	158.150293	0.00000
Lobster & Crab	0.003836	21.148037	2.856930	0.01096	0.01096	3.723882	0.01428	27.728848	0.10637
Nearshore & Groundfish Trap	0.000857	81.996429	3.245178	0.00278	0.00278	2.639670	0.00226	87.881278	0.07531
Prawn Trap	0.002798	0.090972	0.009838	0.00003	0.00003	0.031444	0.00009	0.132254	0.00037
Sea Urchin	0	38.057018	2.783878	0.00000	0.00000	3.025276	0.00000	43.866173	0.00000
Tuna/Other Seine	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Total									
				17.012226	0.88137		1.53013		19.42376

CINMS 2012 COFHE Model

Los Angeles County - CINMS Catch 2012

Operational Category	Revenue 2013		Output		Output		Output		Output		Output	
	\$		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	Total
Trawl - Northern California	0		1.000000		0	0.142840	0	0.752921	0	1.895761	0	0
Trawl - Southern California	0		1.000000		0	0.452271	0	0.611974	0	2.064245	0	0
CPS Seine	154,601		1.000000		154,601	0.096601	14,935	0.832323	128,678	1.928924	298,214	298,214
Herring Gillnet	0		0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Other Gillnet	29		1.000000		29	0.527883	15	0.505051	15	2.032934	59	59
Salmon	291		1.000000		291	0.605613	176	0.331929	97	1.937543	564	564
Salmon & Albacore	0		1.000000		0	0.559447	0	0.347089	0	1.906536	0	0
Salmon & Dungeness Crab - Small Vessels	0		0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Salmon & Dungeness Crab - M & L Vessels	0		0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Dungeness Crab - Small Vessels	0		0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Dungeness Crab - M & L Vessels	0		0.000000		0	0.000000	0	0.000000	0	0.000000	0	0
Longline	0		1.000000		0	0.299984	0	0.658979	0	1.958964	0	0
Harpoon/Spear	3,498		1.000000		3,498	0.424794	1,486	0.513190	1,795	1.937984	6,779	6,779
Hook & Line	926		1.000000		926	0.646985	599	0.348801	323	1.995786	1,848	1,848
Hook & Line Live	268		1.000000		268	0.613209	164	0.408383	109	2.021592	542	542
Lobster & Crab	30,462		1.000000		30,462	0.453766	13,823	0.565039	17,212	2.018805	61,497	61,497
Nearshore & Groundfish Trap	0		1.000000		0	0.554400	0	0.412974	0	1.967373	0	0
Prawn Trap	7,103		1.000000		7,103	0.273717	1,944	0.680847	4,836	1.954563	13,883	13,883
Sea Urchin	73,802		1.000000		73,802	0.477782	35,261	0.468669	34,589	1.946451	143,652	143,652
Tuna/Other Seine	15,083		1.000000		15,083	0.064502	973	0.908157	13,698	1.972658	29,754	29,754
Total	286,063				286,063		69,377		201,351		556,791	556,791

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764228	0	0.078815	0	0.450123	0	1.293166	0		
Trawl - Southern California	0	0.510736	0	0.258728	0	0.365859	0	1.135323	0		
CPS Seine	154,601	0.860317	133,006	0.053167	8,220	0.497592	76,928	1.411076	218,154		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	29	0.402773	12	0.301301	9	0.301937	9	1.006011	29		
Salmon	291	0.250991	73	0.327665	95	0.198439	58	0.777095	226		
Salmon & Albacore	0	0.299518	0	0.302133	0	0.207502	0	0.809153	0		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Longline	0	0.631741	0	0.156146	0	0.393961	0	1.181848	0		
Harpoon/Spear	3,498	0.466379	1,631	0.229762	804	0.306803	1,073	1.002944	3,508		
Hook & Line	926	0.250074	232	0.342670	317	0.208526	193	0.801270	742		
Hook & Line Live	268	0.311452	83	0.311634	84	0.244146	65	0.867232	232		
Lobster & Crab	30,462	0.489494	14,911	0.237369	7,231	0.337800	10,290	1.064663	32,432		
Nearshore & Groundfish Trap	0	0.348471	0	0.280946	0	0.246890	0	0.876307	0		
Prawn Trap	7,103	0.689706	4,899	0.133344	947	0.407034	2,891	1.230084	8,737		
Sea Urchin	73,802	0.422830	31,206	0.255481	18,855	0.280187	20,678	0.958498	70,739		
Tuna/Other Seine	15,083	0.904620	13,644	0.035923	542	0.542928	8,189	1.483471	22,375		
Total	286,063		199,697		37,103		120,375		357,175		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	0	0.685266	0	0.047207	0	0.249064	0	0.981537	0	
Trawl - Southern California	0	0.440531	0	0.154823	0	0.202439	0	0.797793	0	
CPS Seine	154,601	0.777720	120,236	0.031999	4,947	0.275330	42,566	1.085049	167,750	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	29	0.310946	9	0.180388	5	0.167070	5	0.658404	19	
Salmon	291	0.124832	36	0.198083	58	0.109801	32	0.432716	126	
Salmon & Albacore	0	0.155201	0	0.182462	0	0.114816	0	0.452479	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Longline	0	0.546701	0	0.094382	0	0.217989	0	0.859072	0	
Harpoon/Spear	3,498	0.361216	1,264	0.138037	483	0.169762	594	0.669015	2,340	
Hook & Line	926	0.131537	122	0.207791	192	0.115383	107	0.454711	421	
Hook & Line Live	268	0.206145	55	0.191147	51	0.135092	36	0.532384	143	
Lobster & Crab	30,462	0.404686	12,328	0.145008	4,417	0.186914	5,694	0.736607	22,439	
Nearshore & Groundfish Trap	0	0.228289	0	0.173468	0	0.136611	0	0.538368	0	
Prawn Trap	7,103	0.579098	4,113	0.083257	591	0.225222	1,600	0.887578	6,304	
Sea Urchin	73,802	0.303328	22,386	0.152613	11,263	0.155035	11,442	0.610976	45,091	
Tuna/Other Seine	15,083	0.862077	13,003	0.021415	323	0.300416	4,531	1.183908	17,857	
Total	286,063		173,552		22,331		66,607		262,490	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income				
		Direct	Multiplier	Direct	Indirect	Direct	Indirect	Induced	Multiplier	Total	Total	
Trawl - Northern California	0	0.022058		0	0.020357	0		0	0.156904	0	0.199319	0
Trawl - Southern California	0	0.019143		0	0.071274	0		0	0.127532	0	0.217949	0
CPS Seine	154,601	0.014140		2,186	0.013895	2,148		26,816	0.173451	26,816	0.201487	31,150
Herring Gillnet	0	0.000000		0	0.000000	0		0	0.000000	0	0.000000	0
Other Gillnet	29	0.036513		1	0.082719	2		3	0.105250	3	0.224482	7
Salmon	291	0.051792		15	0.085811	25		20	0.069172	20	0.206775	60
Salmon & Albacore	0	0.067675		0	0.078520	0		0	0.072331	0	0.218526	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000		0	0.000000	0		0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000		0	0.000000	0		0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000		0	0.000000	0		0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.000000		0	0.000000	0		0	0.000000	0	0.000000	0
Longline	0	0.025420		0	0.040559	0		0	0.137328	0	0.203307	0
Harpoon/Spear	3,498	0.052608		184	0.059378	208		374	0.106946	374	0.218932	766
Hook & Line	926	0.030696		28	0.090772	84		67	0.072688	67	0.194156	180
Hook & Line Live	268	0.029800		8	0.079834	21		23	0.085105	23	0.194738	52
Lobster & Crab	30,462	0.017751		541	0.062100	1,892		3,587	0.117751	3,587	0.197602	6,019
Nearshore & Groundfish Trap	0	0.039269		0	0.070325	0		0	0.086061	0	0.195656	0
Prawn Trap	7,103	0.019636		139	0.032600	232		1,008	0.141885	1,008	0.194121	1,379
Sea Urchin	73,802	0.029189		2,154	0.069009	5,093		7,208	0.097668	7,208	0.195866	14,455
Tuna/Other Seine	15,083	0.012059		182	0.009375	141		2,855	0.189255	2,855	0.210689	3,178
Total	286,063			5,439		9,846		41,960		41,960		57,246

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	122,422	7,095	69,382	198,900	
Herring Gillnet	0	0	0	0	
Other Gillnet	10	8	8	26	
Salmon	51	83	52	186	
Salmon & Albacore	0	0	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	0	0	0	0	
Harpoon/Spear	1,448	691	968	3,106	
Hook & Line	150	276	174	601	
Hook & Line Live	63	73	59	195	
Lobster & Crab	12,868	6,309	9,281	28,458	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	4,253	823	2,608	7,683	
Sea Urchin	24,540	16,356	18,650	59,547	
Tuna/Other Seine	13,185	464	7,386	21,035	
Total	178,991	32,178	108,567	319,736	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	0	8.711770	0.00000	0.945844	0.00000	5.621625	0.00000	15.279239	0.00000		
Trawl - Southern California	0	29.970858	0.00000	3.827837	0.00000	4.569252	0.00000	38.367946	0.00000		
CPS Seine	0.154601	4.215643	0.65174	0.649148	0.10036	6.214472	0.96076	11.079264	1.71287		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0.000029	23.662680	0.00069	4.315393	0.00013	3.770924	0.00011	31.748997	0.00092		
Salmon	0.000291	120.849937	0.03517	4.165497	0.00121	2.478324	0.00072	127.493758	0.03710		
Salmon & Albacore	0	110.641548	0.00000	3.664009	0.00000	2.591515	0.00000	116.897072	0.00000		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - M & L Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Longline	0	38.487926	0.00000	1.898407	0.00000	4.920216	0.00000	45.306550	0.00000		
Harpoon/Spear	0.003498	40.368046	0.14121	2.822296	0.00987	3.831693	0.01340	47.022035	0.16448		
Hook & Line	0.000926	432.530273	0.40052	4.506409	0.00417	2.604297	0.00241	439.640979	0.40711		
Hook & Line Live	0.000268	151.970245	0.04073	3.964569	0.00106	3.049160	0.00082	158.983974	0.04261		
Lobster & Crab	0.030462	21.578762	0.65733	3.133142	0.09544	4.218819	0.12851	28.930724	0.88129		
Nearshore & Groundfish Trap	0	81.908760	0.00000	3.513702	0.00000	3.083435	0.00000	88.505897	0.00000		
Prawn Trap	0.007103	9.257028	0.06575	1.616261	0.01148	5.083486	0.03611	15.956775	0.11334		
Sea Urchin	0.073802	38.070156	2.80965	3.183037	0.23491	3.499282	0.25825	44.752475	3.30282		
Tuna/Other Seine	0.015083	8.540407	0.12881	0.422415	0.00637	6.780679	0.10227	15.743501	0.23746		
Total			4.93161		0.46501		1.50337		6.90000		

Orange County - CINMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	0	0	0	0	0	0	0	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0	0	0	0	0	0	0	0
CPS Seine	0	0	0	0	0	0	0	0	0	0	0	0
Herring Gillnet	0	0	0	0	0	0	0	0	0	0	0	0
Other Gillnet	0	0	0	0	0	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0	0	0	0	0	0
Salmon & Albacore	0	0	0	0	0	0	0	0	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	0	0	0	0	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0	0	0	0	0	0	0	0
Longline	0	0	0	0	0	0	0	0	0	0	0	0
Harpoon/Spear	0	0	0	0	0	0	0	0	0	0	0	0
Hook & Line	0	0	0	0	0	0	0	0	0	0	0	0
Hook & Line Live	0	0	0	0	0	0	0	0	0	0	0	0
Lobster & Crab	659	0	659	0	270	0	316	0	1,888,557	1,245	0	1,245
Nearshore & Groundfish Trap	0	0	0	0	0	0	0	0	1,825,912	0	0	1,825,912
Prawn Trap	6,869	0	6,869	0	1,491	0	3,952	0	1,792,355	12,312	0	12,312
Sea Urchin	0	0	0	0	0	0	0	0	1,898,975	0	0	1,898,975
Tuna/Other Seine	0	0	0	0	0	0	0	0	1,972,658	0	0	1,972,658
Total	7,528	0	7,528	0	1,761	0	4,267	0	13,556	13,556	0	13,556

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.859839	0	0.055615	0	0.434697	0	1.350150	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.402822	0	0.313017	0	0.267215	0	0.983055	0
Salmon	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Albacore	0	0.311834	0	0.309533	0	0.186772	0	0.808139	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Longline	0	0.631738	0	0.154578	0	0.342853	0	1.129169	0
Harpoon/Spear	0	0.466396	0	0.238237	0	0.270618	0	0.975252	0
Hook & Line	0	0.249832	0	0.345155	0	0.182146	0	0.777134	0
Hook & Line Live	0	0.311329	0	0.297038	0	0.206491	0	0.814859	0
Lobster & Crab	659	0.489493	323	0.228874	151	0.290621	192	1.008988	665
Nearshore & Groundfish Trap	0	0.348444	0	0.265331	0	0.208431	0	0.822207	0
Prawn Trap	6,869	0.689706	4,738	0.119455	821	0.349118	2,398	1.158280	7,956
Sea Urchin	0	0.422842	0	0.265480	0	0.248202	0	0.936524	0
Tuna/Other Seine	0	0.904620	0	0.035923	0	0.542928	0	1.483471	0
Total	7,528		5,060		971		2,590		8,621

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total	Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
CPS Seine	0	0.777265	0	0.033648	0	0.232734	0	1.043647	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.310970	0	0.187512	0	0.143066	0	0.641547	0	0	
Salmon	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon & Albacore	0	0.161401	0	0.187016	0	0.099997	0	0.448414	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Longline	0	0.546701	0	0.092879	0	0.183562	0	0.823142	0	0	
Harpoon/Spear	0	0.361229	0	0.143600	0	0.144888	0	0.649717	0	0	
Hook & Line	0	0.131503	0	0.208285	0	0.097520	0	0.437308	0	0	
Hook & Line Live	0	0.206077	0	0.179126	0	0.110554	0	0.495757	0	0	
Lobster & Crab	659	0.404685	267	0.137460	91	0.155597	103	0.697742	460	460	
Nearshore & Groundfish Trap	0	0.228282	0	0.160540	0	0.111593	0	0.500415	0	0	
Prawn Trap	6,869	0.579097	3,978	0.072172	496	0.186916	1,284	0.838185	5,757	5,757	
Sea Urchin	0	0.303326	0	0.159686	0	0.132886	0	0.595899	0	0	
Tuna/Other Seine	0	0.862077	0	0.021415	0	0.300416	0	1.183908	0	0	
Total	7,528		4,245		586		1,386		6,217	6,217	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct Multiplier	Direct	Indirect Multiplier	Indirect	Induced Multiplier	Induced	Total Multiplier	Total	
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.014138	0	0.014499	0	0.157306	0	0.185942	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.036508	0	0.086101	0	0.096698	0	0.219307	0	
Salmon	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Albacore	0	0.070515	0	0.080758	0	0.067588	0	0.218862	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Longline	0	0.025419	0	0.040663	0	0.124070	0	0.190151	0	
Harpoon/Spear	0	0.052611	0	0.061638	0	0.097930	0	0.212179	0	
Hook & Line	0	0.030582	0	0.092485	0	0.065914	0	0.188981	0	
Hook & Line Live	0	0.029700	0	0.078456	0	0.074724	0	0.182880	0	
Lobster & Crab	659	0.017751	12	0.061785	41	0.105168	69	0.184704	122	
Nearshore & Groundfish Trap	0	0.039255	0	0.068905	0	0.075426	0	0.183586	0	
Prawn Trap	6,869	0.019637	135	0.030943	213	0.126337	868	0.176917	1,215	
Sea Urchin	0	0.029225	0	0.071189	0	0.089818	0	0.190232	0	
Tuna/Other Seine	0	0.012059	0	0.009375	0	0.189255	0	0.210689	0	
Total	7,528		147		253		937		1,337	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Indirect	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	0	0	0	0	0
Salmon & Albacore	0	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0
Longline	0	0	0	0	0
Harpoon/Spear	0	0	0	0	0
Hook & Line	0	0	0	0	0
Hook & Line Live	0	0	0	0	0
Lobster & Crab	278	131	172	582	582
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	4,113	708	2,152	6,973	6,973
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	0	0	0	0	0
Total	4,391	840	2,324	7,554	7,554

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Trawl - Southern California	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
CPS Seine	0	4.212955	0.000000	0.646564	0.000000	5.269794	0.000000	10.129314	0.000000
Herring Gillnet	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Gillnet	0	23.630136	0.000000	4.523457	0.000000	3.239429	0.000000	31.393022	0.000000
Salmon	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Salmon & Albacore	0	113.354034	0.000000	3.557228	0.000000	2.264223	0.000000	119.175485	0.000000
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Dungeness Crab - Small Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Dungeness Crab - M & L Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Longline	0	38.486126	0.000000	1.775238	0.000000	4.156375	0.000000	44.417739	0.000000
Harpoon/Spear	0	40.366951	0.000000	2.769573	0.000000	3.280681	0.000000	46.417206	0.000000
Hook & Line	0	432.470581	0.000000	4.408203	0.000000	2.208142	0.000000	439.086926	0.000000
Hook & Line Live	0	151.902039	0.000000	3.594620	0.000000	2.503277	0.000000	157.999935	0.000000
Lobster & Crab	0.000659	21.578279	0.01422	2.933615	0.00193	3.523182	0.00232	28.035076	0.01848
Nearshore & Groundfish Trap	0	81.903290	0.00000	3.110420	0.00000	2.526795	0.00000	87.540505	0.00000
Prawn Trap	0.006869	9.256689	0.06358	1.326486	0.00911	4.232332	0.02907	14.815507	0.10177
Sea Urchin	0	38.035416	0.00000	3.176540	0.00000	3.008933	0.00000	44.220889	0.00000
Tuna/Other Seine	0	8.540407	0.00000	0.422415	0.00000	6.780679	0.00000	15.743501	0.00000
Total			0.07780		0.01104		0.03139		0.12024

Santa Barbara County - CINMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output		Total
	Direct	Indirect	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Multiplier	Output		
Trawl - Northern California	2,310		2,310	0.098970	229	0.545390	1,260	1.644360			3,798		
Trawl - Southern California	0		0	0.346004	0	0.427176	0	1.773180			0		
CPS Seine	0		0	0.000000	0	0.000000	0	0.000000			0		
Herring Gillnet	0		0	0.000000	0	0.000000	0	0.000000			0		
Other Gillnet	1,365		1,365	0.402891	550	0.345013	471	1.747904			2,386		
Salmon	52,611		52,611	0.402649	21,184	0.205650	10,819	1.608299			84,614		
Salmon & Albacore	4,696		4,696	0.379071	1,780	0.225727	1,060	1.604798			7,536		
Salmon & Dungeness Crab - Small Vessels	0		0	0.000000	0	0.000000	0	0.000000			0		
Salmon & Dungeness Crab - M & L Vessels	225		225	0.212703	48	0.450894	101	1.663597			374		
Dungeness Crab - Small Vessels	0		0	0.000000	0	0.000000	0	0.000000			0		
Dungeness Crab - M & L Vessels	0		0	0.000000	0	0.000000	0	0.000000			0		
Longline	365,637		365,637	0.186942	68,353	0.464487	169,834	1.651428			603,823		
Harpoon/Spear	17,069		17,069	0.282426	4,821	0.350980	5,991	1.633406			27,881		
Hook & Line	65,257		65,257	0.424151	27,679	0.215656	14,073	1.639807			107,009		
Hook & Line Live	77,426		77,426	0.361109	27,959	0.254759	19,725	1.615868			125,110		
Lobster & Crab	2,963,890		2,963,890	0.280443	831,202	0.382254	1,132,959	1.662698			4,928,054		
Nearshore & Groundfish Trap	21,168		21,168	0.320402	6,782	0.260656	5,518	1.581058			33,468		
Prawn Trap	1,341		1,341	0.144433	194	0.477213	640	1.621646			2,175		
Sea Urchin	3,229,491		3,229,491	0.317858	1,026,520	0.316669	1,022,680	1.634527			5,278,690		
Tuna/Other Seine	948		948	0.053568	51	0.621557	589	1.675126			1,588		
Total	6,803,434		6,803,434		2,017,350		2,385,719				11,206,507		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	2,310	0.764175	1,765	0.060312	139	0.344363	795	1.168850	2,700		
Trawl - Southern California	0	0.510779	0	0.206401	0	0.269722	0	0.986901	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	1,365	0.402770	550	0.240899	329	0.217844	297	0.861512	1,176		
Salmon	52,611	0.250417	13,175	0.242218	12,743	0.129849	6,831	0.622485	32,750		
Salmon & Albacore	4,696	0.295316	1,387	0.228920	1,075	0.142526	669	0.666762	3,131		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	225	0.612338	138	0.128087	29	0.284697	64	1.025122	231		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Longline	365,637	0.631785	231,004	0.112946	41,297	0.293280	107,234	1.038010	379,535		
Harpoon/Spear	17,069	0.467529	7,980	0.171060	2,920	0.221611	3,783	0.860200	14,683		
Hook & Line	65,257	0.250094	16,320	0.253667	16,554	0.136166	8,886	0.639928	41,760		
Hook & Line Live	77,426	0.311457	24,115	0.216589	16,770	0.160856	12,454	0.688902	53,339		
Lobster & Crab	2,963,890	0.489494	1,450,806	0.167564	496,641	0.241358	715,359	0.898416	2,662,806		
Nearshore & Groundfish Trap	21,168	0.348473	7,376	0.192346	4,072	0.164580	3,484	0.705400	14,932		
Prawn Trap	1,341	0.689698	925	0.086751	116	0.301315	404	1.077764	1,445		
Sea Urchin	3,229,491	0.422830	1,365,526	0.191615	618,819	0.199947	645,727	0.814392	2,630,072		
Tuna/Other Seine	948	0.904618	858	0.032284	31	0.393604	373	1.330505	1,261		
Total	6,803,434		3,121,925		1,211,534		1,506,361		5,839,820		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	2,310	0.685234	1,583	0.036476	84	0.184399	426	0.906109	2,093	
Trawl - Southern California	0	0.440569	0	0.124710	0	0.144430	0	0.709709	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	1,365	0.310945	424	0.145608	199	0.116651	159	0.573204	782	
Salmon	52,611	0.125209	6,587	0.146926	7,730	0.069531	3,658	0.341666	17,975	
Salmon & Albacore	4,696	0.159963	751	0.138740	652	0.076319	358	0.375022	1,761	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	225	0.518904	117	0.077761	17	0.152449	34	0.749114	169	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Longline	365,637	0.546725	199,903	0.067927	24,837	0.157045	57,421	0.771697	282,161	
Harpoon/Spear	17,069	0.361456	6,170	0.102993	1,758	0.118668	2,026	0.583117	9,953	
Hook & Line	65,257	0.131540	8,584	0.155836	10,039	0.072914	4,758	0.358290	23,381	
Hook & Line Live	77,426	0.206152	15,962	0.130968	10,140	0.086135	6,669	0.423256	32,771	
Lobster & Crab	2,963,890	0.404686	1,199,445	0.101148	299,792	0.129242	383,059	0.635076	1,882,295	
Nearshore & Groundfish Trap	21,168	0.228285	4,832	0.116639	2,469	0.088129	1,866	0.433053	9,167	
Prawn Trap	1,341	0.579091	777	0.052400	70	0.161348	216	0.792839	1,063	
Sea Urchin	3,229,491	0.303328	979,595	0.115718	373,710	0.107067	345,772	0.526114	1,699,080	
Tuna/Other Seine	948	0.862076	817	0.019329	18	0.205974	195	1.087379	1,031	
Total	6,803,434		2,425,547		731,515		806,618		3,963,683	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	2,310	0.022068	51	0.014967	35	0.124680	288	0.161715	374	
Trawl - Southern California	0	0.019137	0	0.055394	0	0.097655	0	0.172186	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	1,365	0.036512	50	0.064294	88	0.078872	108	0.179679	245	
Salmon	52,611	0.051368	2,703	0.061407	3,231	0.047013	2,473	0.159787	8,407	
Salmon & Albacore	4,696	0.061524	289	0.058026	272	0.051603	242	0.171153	804	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	225	0.029729	7	0.032184	7	0.103077	23	0.164991	37	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Longline	365,637	0.025429	9,298	0.028806	10,533	0.106185	38,825	0.160420	58,655	
Harpoon/Spear	17,069	0.053613	915	0.043060	735	0.080236	1,370	0.176909	3,020	
Hook & Line	65,257	0.030705	2,004	0.065606	4,281	0.049300	3,217	0.145612	9,502	
Hook & Line Live	77,426	0.029800	2,307	0.055331	4,284	0.058240	4,509	0.143370	11,101	
Lobster & Crab	2,963,890	0.017751	52,612	0.043852	129,973	0.087386	259,002	0.148989	441,587	
Nearshore & Groundfish Trap	21,168	0.039272	831	0.048519	1,027	0.059588	1,261	0.147379	3,120	
Prawn Trap	1,341	0.019637	26	0.021988	29	0.109094	146	0.150719	202	
Sea Urchin	3,229,491	0.029189	94,266	0.049119	158,629	0.072393	233,793	0.150700	486,684	
Tuna/Other Seine	948	0.012061	11	0.008125	8	0.144932	137	0.165118	157	
Total	6,803,434		165,370		313,132		545,396		1,023,894	

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	1,634	119	714	2,467	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	474	287	267	1,028	
Salmon	9,290	10,961	6,131	26,382	
Salmon & Albacore	1,040	924	601	2,565	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	123	25	57	206	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	209,201	35,369	96,247	340,816	
Harpoon/Spear	7,085	2,493	3,395	12,973	
Hook & Line	10,588	14,320	7,975	32,883	
Hook & Line Live	18,269	14,424	11,178	43,872	
Lobster & Crab	1,252,057	429,764	642,062	2,323,882	
Nearshore & Groundfish Trap	5,664	3,496	3,127	12,287	
Prawn Trap	803	100	363	1,265	
Sea Urchin	1,073,861	532,340	579,564	2,185,765	
Tuna/Other Seine	829	26	333	1,187	
Total	2,590,916	1,044,647	1,352,014	4,987,577	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	0.00231	8.745415	0.02020	0.819092	0.00189	4.640411	0.01072	14.204918	0.03281		
Trawl - Southern California	0	29.969435	0.00000	3.604574	0.00000	3.634598	0.00000	37.208607	0.00000		
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0.001365	23.665098	0.03230	3.994314	0.00545	2.935521	0.00401	30.594933	0.04176		
Salmon	0.052611	120.985008	6.36514	3.488747	0.18355	1.749760	0.09206	126.223515	6.64075		
Salmon & Albacore	0.004696	111.111107	0.52178	3.087051	0.01450	1.920584	0.00902	116.118743	0.54529		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.000225	13.1122348	0.00295	1.783442	0.00040	3.836400	0.00086	18.742189	0.00422		
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - M & L Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Longline	0.365637	38.484325	14.07129	1.524212	0.55731	3.952051	1.44502	43.960589	16.07362		
Harpoon/Spear	0.017069	40.322582	0.68827	2.375092	0.04054	2.986288	0.05097	45.683961	0.77978		
Hook & Line	0.065257	432.522095	28.22509	3.822693	0.24946	1.834892	0.11974	438.179679	28.59429		
Hook & Line Live	0.077426	151.975998	11.76689	3.098099	0.23987	2.167598	0.16783	157.241695	12.17460		
Lobster & Crab	2.96389	21.578510	63.95633	2.531023	7.50167	3.252383	9.63971	27.361917	81.09771		
Nearshore & Groundfish Trap	0.021168	81.904953	1.73376	2.700127	0.05716	2.217773	0.04695	86.822853	1.83787		
Prawn Trap	0.001341	9.258278	0.01242	1.133760	0.00152	4.060330	0.00544	14.452368	0.01938		
Sea Urchin	3.229491	38.070168	122.94726	2.698421	8.71453	2.694359	8.70141	43.462948	140.36320		
Tuna/Other Seine	0.000948	8.537272	0.00809	0.378846	0.00036	5.211837	0.00494	14.127955	0.01339		
Total		250.35179	17.56820	20.29867	288.21867						

San Luis Obispo County - CINMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total	Output Total
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output		
Trawl - Northern California	0	1.000000	0	0.092817	0	0.554272	0	1.647089	0	0	
Trawl - Southern California	0	1.000000	0	0.255661	0	0.404831	0	1.660492	0	0	
CPS Seine	21,000	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	1.000000	0	0.310182	0	0.147365	0	1.457547	0	0	
Other Gillnet	0	1.000000	0	0.302940	0	0.316807	0	1.619747	0	0	
Salmon	0	1.000000	0	0.364872	0	0.185955	0	1.550827	0	0	
Salmon & Albacore	0	1.000000	0	0.343633	0	0.202881	0	1.546514	0	0	
Salmon & Dungeness Crab - Small Vessels	0	1.000000	0	0.329008	0	0.301367	0	1.630375	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	1.000000	0	0.196475	0	0.450240	0	1.646715	0	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	0	1.000000	0	0.103669	0	0.538972	0	1.642641	0	0	
Longline	0	1.000000	0	0.177498	0	0.465727	0	1.643225	0	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	721	1.000000	721	0.372848	269	0.190280	137	1.563128	1,127	0	
Hook & Line Live	0	1.000000	0	0.328028	0	0.237725	0	1.565753	0	0	
Lobster & Crab	0	1.000000	0	0.231920	0	0.370531	0	1.602450	0	0	
Nearshore & Groundfish Trap	0	1.000000	0	0.291994	0	0.247478	0	1.539472	0	0	
Prawn Trap	773	1.000000	773	0.128690	99	0.480478	371	1.609168	1,244	0	
Sea Urchin	1,515	1.000000	1,515	0.297995	451	0.303462	460	1.601457	2,426	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	24,009		3,009		820		968		4,797		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.764220	0	0.048427	0	0.335900	0	1.148547	0
Trawl - Southern California	0	0.510559	0	0.135360	0	0.245335	0	0.891254	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.249731	0	0.189957	0	0.096349	0	0.536037	0
Other Gillnet	0	0.402772	0	0.162325	0	0.191991	0	0.757088	0
Salmon	0	0.251028	0	0.189591	0	0.112692	0	0.553311	0
Salmon & Albacore	0	0.299579	0	0.177875	0	0.122950	0	0.600404	0
Salmon & Dungeness Crab - Small Vessels	0	0.383028	0	0.158491	0	0.182634	0	0.724153	0
Salmon & Dungeness Crab - M & L Vessels	0	0.611761	0	0.102542	0	0.272855	0	0.987158	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.748767	0	0.053470	0	0.326628	0	1.128865	0
Longline	0	0.631736	0	0.090094	0	0.282240	0	1.004070	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	721	0.250079	180	0.189545	137	0.115313	83	0.554937	400
Hook & Line Live	0	0.311461	0	0.167698	0	0.144066	0	0.623224	0
Lobster & Crab	0	0.489501	0	0.121672	0	0.224549	0	0.835722	0
Nearshore & Groundfish Trap	0	0.348462	0	0.151189	0	0.149977	0	0.649628	0
Prawn Trap	773	0.689703	533	0.067159	52	0.291179	225	1.048041	810
Sea Urchin	1,515	0.425076	644	0.148251	225	0.183904	279	0.757232	1,147
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	3,009		1,357		413		587		2,357

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685261	0	0.028825	0	0.171135	0	0.885221	0
Trawl - Southern California	0	0.440395	0	0.081162	0	0.124994	0	0.646551	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.099686	0	0.116770	0	0.052662	0	0.269118	0
Other Gillnet	0	0.310945	0	0.097207	0	0.097816	0	0.505968	0
Salmon	0	0.125718	0	0.113853	0	0.057415	0	0.296986	0
Salmon & Albacore	0	0.155254	0	0.106124	0	0.062641	0	0.324019	0
Salmon & Dungeness Crab - Small Vessels	0	0.295872	0	0.092389	0	0.093049	0	0.481310	0
Salmon & Dungeness Crab - M & L Vessels	0	0.518545	0	0.061515	0	0.139014	0	0.719074	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.662625	0	0.031750	0	0.166411	0	0.860786	0
Longline	0	0.546697	0	0.053314	0	0.143796	0	0.743807	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	721	0.131536	95	0.113607	82	0.058750	42	0.303893	219
Hook & Line Live	0	0.206154	0	0.100115	0	0.073399	0	0.379667	0
Lobster & Crab	0	0.404690	0	0.072677	0	0.114404	0	0.591770	0
Nearshore & Groundfish Trap	0	0.228286	0	0.090547	0	0.076410	0	0.395244	0
Prawn Trap	773	0.579096	448	0.039919	31	0.148350	115	0.767365	593
Sea Urchin	1,515	0.302752	459	0.088208	134	0.093696	142	0.484656	734
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	3,009		1,001		246		299		1,547

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct Multiplier	Direct	Indirect Multiplier	Indirect	Induced Multiplier	Induced	Total Multiplier	Total
Trawl - Northern California	0	0.0222078	0	0.012327	0	0.128492	0	0.162896	0
Trawl - Southern California	0	0.019074	0	0.036378	0	0.093848	0	0.149300	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.054316	0	0.044525	0	0.069277	0	0.160657	0
Other Gillnet	0	0.036513	0	0.043427	0	0.073442	0	0.153382	0
Salmon	0	0.051220	0	0.048439	0	0.043108	0	0.142767	0
Salmon & Albacore	0	0.067685	0	0.046143	0	0.047032	0	0.160860	0
Salmon & Dungeness Crab - Small Vessels	0	0.006881	0	0.042637	0	0.069863	0	0.119381	0
Salmon & Dungeness Crab - M & L Vessels	0	0.029530	0	0.026265	0	0.104375	0	0.160170	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.018488	0	0.014153	0	0.124945	0	0.157586	0
Longline	0	0.025421	0	0.023551	0	0.107965	0	0.156937	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	721	0.030697	22	0.049475	36	0.044111	32	0.124283	90
Hook & Line Live	0	0.029802	0	0.043414	0	0.055110	0	0.128326	0
Lobster & Crab	0	0.017752	0	0.032041	0	0.085897	0	0.135689	0
Nearshore & Groundfish Trap	0	0.039265	0	0.038826	0	0.057371	0	0.135461	0
Prawn Trap	773	0.019636	15	0.017402	13	0.111385	86	0.148422	115
Sea Urchin	1,515	0.030581	46	0.038487	58	0.070349	107	0.139416	211
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	3,009		84		107		224		416

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	0	0	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	117	118	74	309	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	463	44	201	708	
Sea Urchin	505	192	249	945	
Tuna/Other Seine	0	0	0	0	
Total	1,085	354	523	1,962	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.733982	0.00000	0.728122	0.00000	5.018928	0.00000	14.481032	0.00000
Trawl - Southern California	0	29.972752	0.00000	2.670303	0.00000	3.665742	0.00000	36.308797	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	213.002838	0.00000	1.912842	0.00000	1.008883	0.00000	215.924563	0.00000
Other Gillnet	0	23.662708	0.00000	3.031408	0.00000	2.868685	0.00000	29.562802	0.00000
Salmon	0	120.895683	0.00000	2.996910	0.00000	1.683816	0.00000	125.576410	0.00000
Salmon & Albacore	0	110.646561	0.00000	2.682007	0.00000	1.837092	0.00000	115.165660	0.00000
Salmon & Dungeness Crab - Small Vessels	0	43.577980	0.00000	2.343933	0.00000	2.728877	0.00000	48.650790	0.00000
Salmon & Dungeness Crab - M & L Vessels	0	13.202146	0.00000	1.568542	0.00000	4.076924	0.00000	18.847612	0.00000
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0	8.421001	0.00000	0.787337	0.00000	4.880389	0.00000	14.088728	0.00000
Longline	0	38.484173	0.00000	1.338608	0.00000	4.217155	0.00000	44.039936	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.000721	432.526367	0.31185	3.149170	0.00227	1.722980	0.00124	437.398517	0.31536
Hook & Line Live	0	151.975433	0.00000	2.636017	0.00000	2.152596	0.00000	156.764046	0.00000
Lobster & Crab	0	21.577263	0.00000	2.029072	0.00000	3.35153	0.00000	26.961488	0.00000
Nearshore & Groundfish Trap	0	81.910873	0.00000	2.333389	0.00000	2.240913	0.00000	86.485176	0.00000
Prawn Trap	0.000773	9.256578	0.00716	0.982250	0.00076	4.350723	0.00336	14.589552	0.01128
Sea Urchin	0.001515	36.697250	0.05560	2.305569	0.00349	2.747850	0.00416	41.750669	0.06325
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			0.37460		0.00652		0.00877		0.38989

Ventura County - CINMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Output	
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output
Trawl - Northern California	0	1.000000	0	0.115578	0	0.512795	0	1.628373		0	
Trawl - Southern California	113,619	1.000000	113,619	0.343501	39,028	0.397317	45,143	1.740818		197,790	
CPS Seine	5,183,283	1.000000	5,183,283	0.078533	407,059	0.568462	2,946,499	1.646995		8,536,841	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Other Gillnet	15,654	1.000000	15,654	0.410077	6,419	0.322835	5,054	1.732912		27,127	
Salmon	257,696	1.000000	257,696	0.364872	94,026	0.185955	47,920	1.550827		399,642	
Salmon & Albacore	0	1.000000	0	0.441829	0	0.220883	0	1.662712		0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Dungeness Crab - M & L Vessels	0	1.000000	0	0.137174	0	0.500994	0	1.638168		0	
Longline	81,053	1.000000	81,053	0.222487	18,033	0.440664	35,717	1.663151		134,803	
Harpoon/Spear	0	1.000000	0	0.334758	0	0.339028	0	1.673785		0	
Hook & Line	59,906	1.000000	59,906	0.476062	28,519	0.211093	12,646	1.687155		101,071	
Hook & Line Live	57,630	1.000000	57,630	0.431926	24,892	0.250734	14,450	1.682660		96,972	
Lobster & Crab	1,116,957	1.000000	1,116,957	0.323836	361,711	0.364459	407,085	1.688295		1,885,753	
Nearshore & Groundfish Trap	38,899	1.000000	38,899	0.394360	15,340	0.257130	10,002	1.651490		64,241	
Prawn Trap	706,262	1.000000	706,262	0.189285	133,685	0.453443	320,250	1.642728		1,160,196	
Sea Urchin	1,457,398	1.000000	1,457,398	0.360052	524,739	0.304711	444,085	1.664763		2,426,222	
Tuna/Other Seine	2,207,772	1.000000	2,207,772	0.053568	118,266	0.621557	1,372,256	1.675126		3,698,296	
Total	11,296,129		11,296,129		1,771,717		5,661,106			18,728,955	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added	Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier			
Trawl - Northern California	0	0.764153	0	0.069758	0	0.324730	0	1.158641	0			
Trawl - Southern California	113,619	0.510776	58,034	0.203940	23,171	0.251603	28,587	0.966319	109,792			
CPS Seine	5,183,283	0.860317	4,459,266	0.046926	243,231	0.359980	1,865,878	1.267223	6,568,375			
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0			
Other Gillnet	15,654	0.402773	6,305	0.243638	3,814	0.204437	3,200	0.850847	13,319			
Salmon	257,696	0.251028	64,689	0.189591	48,857	0.112692	29,040	0.553311	142,586			
Salmon & Albacore	0	0.299487	0	0.261721	0	0.139875	0	0.701083	0			
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0			
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0			
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0			
Dungeness Crab - M & L Vessels	0	0.749047	0	0.079635	0	0.317257	0	1.145939	0			
Longline	81,053	0.631733	51,204	0.130175	10,551	0.279052	22,618	1.040960	84,373			
Harpoon/Spear	0	0.466422	0	0.199016	0	0.214691	0	0.880128	0			
Hook & Line	59,906	0.250092	14,982	0.277381	16,617	0.133676	8,008	0.661148	39,607			
Hook & Line Live	57,630	0.311457	17,949	0.247019	14,236	0.158778	9,150	0.717254	41,335			
Lobster & Crab	1,116,957	0.489494	546,744	0.185847	207,583	0.230795	257,788	0.906135	1,012,114			
Nearshore & Groundfish Trap	38,899	0.348467	13,555	0.224751	8,743	0.162829	6,334	0.736046	28,631			
Prawn Trap	706,262	0.689702	487,110	0.105313	74,379	0.287145	202,800	1.082159	764,288			
Sea Urchin	1,457,398	0.422830	616,232	0.214414	312,487	0.192959	281,218	0.830203	1,209,936			
Tuna/Other Seine	2,207,772	0.904618	1,997,190	0.032284	71,276	0.393604	868,988	1.330505	2,937,452			
Total	11,296,129		8,333,260		1,034,943		3,583,610		12,951,809			

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	
Trawl - Northern California	0	0.665210	0	0.041964	0	0.169932	0	0.897106	0	
Trawl - Southern California	113,619	0.440568	50,057	0.122851	13,958	0.131664	14,960	0.695083	78,975	
CPS Seine	5,183,283	0.777720	4,031,143	0.028392	147,164	0.188379	976,422	0.994490	5,154,723	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	15,654	0.310948	4,868	0.146851	2,299	0.106982	1,675	0.564781	8,841	
Salmon	257,696	0.125718	32,397	0.113853	29,339	0.057415	14,796	0.296986	76,532	
Salmon & Albacore	0	0.155216	0	0.158009	0	0.073197	0	0.386422	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.662481	0	0.047959	0	0.166021	0	0.876461	0	
Longline	81,053	0.546693	44,311	0.078195	6,338	0.146029	11,836	0.770917	62,485	
Harpoon/Spear	0	0.361204	0	0.119557	0	0.112348	0	0.593109	0	
Hook & Line	59,906	0.131542	7,880	0.167800	10,052	0.069953	4,191	0.369296	22,123	
Hook & Line Live	57,630	0.206148	11,880	0.149407	8,610	0.083089	4,788	0.438645	25,279	
Lobster & Crab	1,116,957	0.404685	452,016	0.112138	125,253	0.120776	134,902	0.637599	712,171	
Nearshore & Groundfish Trap	38,899	0.228292	8,880	0.136334	5,303	0.085209	3,315	0.449834	17,498	
Prawn Trap	706,262	0.579094	408,992	0.065915	45,141	0.150264	106,126	0.793273	560,259	
Sea Urchin	1,457,398	0.303328	442,070	0.128769	187,668	0.100976	147,162	0.533073	776,900	
Tuna/Other Seine	2,207,772	0.862076	1,903,267	0.019329	42,674	0.205974	454,744	1.087379	2,400,685	
Total	11,296,129		7,397,761		623,800		1,874,914		9,896,470	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Total
		Direct	Indirect	Direct	Indirect	Induced	Induced	Multiplier	Income		
Trawl - Northern California	0	0.022080	0	0.017310	0	0.119571	0	0.158961	0	0	
Trawl - Southern California	113,619	0.019135	2,174	0.054099	6,147	0.092645	10,526	0.165879	18,847	18,847	
CPS Seine	5,183,283	0.014140	73,292	0.011795	61,137	0.132551	687,049	0.158486	821,478	821,478	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	15,654	0.036512	572	0.064363	1,008	0.075277	1,178	0.176152	2,757	2,757	
Salmon	257,696	0.051220	13,199	0.048439	12,483	0.043108	11,109	0.142767	36,790	36,790	
Salmon & Albacore	0	0.067651	0	0.065936	0	0.051504	0	0.185092	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	0	0.018601	0	0.020292	0	0.116819	0	0.155713	0	0	
Longline	81,053	0.025420	2,060	0.032919	2,668	0.102752	8,328	0.161092	13,057	13,057	
Harpoon/Spear	0	0.052636	0	0.049770	0	0.079053	0	0.181459	0	0	
Hook & Line	59,906	0.030700	1,839	0.071240	4,268	0.049222	2,949	0.151162	9,056	9,056	
Hook & Line Live	57,630	0.029801	1,717	0.062314	3,591	0.058465	3,369	0.150580	8,678	8,678	
Lobster & Crab	1,116,957	0.017751	19,827	0.047895	53,497	0.084983	94,922	0.150629	168,246	168,246	
Nearshore & Groundfish Trap	38,899	0.039265	1,527	0.055842	2,172	0.059956	2,332	0.155063	6,032	6,032	
Prawn Trap	706,262	0.019636	13,868	0.026103	18,436	0.105732	74,674	0.151471	106,978	106,978	
Sea Urchin	1,457,398	0.029189	42,540	0.055236	80,501	0.071051	103,550	0.155476	226,590	226,590	
Tuna/Other Seine	2,207,772	0.012061	26,628	0.008125	17,938	0.144932	319,977	0.165118	364,543	364,543	
Total	11,296,129		199,244		263,844		1,319,965		1,783,053	1,783,053	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced		
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	52,231	20,105	25,486	97,822	
CPS Seine	4,104,434	208,301	1,663,471	5,976,201	
Herring Gillnet	0	0	0	0	0
Other Gillnet	5,439	3,306	2,853	11,599	
Salmon	45,596	41,822	25,904	113,323	
Salmon & Albacore	0	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0
Longline	46,371	9,006	20,164	75,542	
Harpoon/Spear	0	0	0	0	0
Hook & Line	9,719	14,320	7,139	31,179	
Hook & Line Live	13,598	12,201	8,158	33,957	
Lobster & Crab	471,843	178,750	229,824	880,417	
Nearshore & Groundfish Trap	10,408	7,475	5,647	23,530	
Prawn Trap	422,860	63,576	180,800	667,237	
Sea Urchin	484,610	268,169	250,712	1,003,490	
Tuna/Other Seine	1,929,895	60,612	774,720	2,765,228	
Total	7,597,005	887,644	3,194,879	11,679,523	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	0	8.738650	0.00000	0.849026	0.00000	4.299854	0.00000	13.887530	0.00000		
Trawl - Southern California	0.113619	29.969219	3.40507	3.414677	0.38797	3.331554	0.37853	36.715450	4.17157		
CPS Seine	5.183283	4.215717	21.85125	0.584676	3.03054	4.766621	24.70675	9.567014	49.58854		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0.015654	23.662857	0.37042	3.848381	0.06024	2.707013	0.04238	30.218251	0.47304		
Salmon	0.257696	120.895683	31.15433	2.996910	0.77229	1.683816	0.43391	125.576410	32.36054		
Salmon & Albacore	0	110.663849	0.00000	3.218201	0.00000	1.852131	0.00000	115.734180	0.00000		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - M & L Vessels	0	8.583691	0.00000	0.969712	0.00000	4.200901	0.00000	13.754304	0.00000		
Longline	0.081053	38.487789	3.11955	1.616829	0.13105	3.695026	0.29949	43.799644	3.55009		
Harpoon/Spear	0	40.381439	0.00000	2.498287	0.00000	2.842789	0.00000	45.722516	0.00000		
Hook & Line	0.059906	432.530640	25.91118	3.881012	0.23250	1.770045	0.10604	438.181697	26.24971		
Hook & Line Live	0.05763	151.978821	8.75854	3.281555	0.18912	2.102436	0.12116	157.362812	9.06882		
Lobster & Crab	1.116957	21.578213	24.10194	2.604912	2.90957	3.056031	3.41346	27.239156	30.42497		
Nearshore & Groundfish Trap	0.038899	81.909340	3.18619	2.901779	0.11288	2.156069	0.08387	86.967188	3.38294		
Prawn Trap	0.706262	9.256977	6.53785	1.290455	0.91140	3.802177	2.68533	14.349609	10.13458		
Sea Urchin	1.457398	38.070324	55.48361	2.760521	4.02318	2.555036	3.72370	43.385881	63.23050		
Tuna/Other Seine	2.207772	8.537272	18.84835	0.378846	0.83641	5.211837	11.50655	14.127955	31.19130		
Total			202.72829		13.59714		47.50116		263.82660		

GFNMS 2012 COFHE Model

Alameda County - GFNMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	
Trawl - Northern California	0	1.000000	0	0.122709	0	0.602213	0	1.724922	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	0	1.000000	0	0.511783	0	0.251595	0	1.763378	0	
Salmon & Albacore	32,751	1.000000	32,751	0.412423	13,507	0.199717	6,541	1.612141	52,799	
Salmon & Dungeness Crab - Small Vessels	7,907	1.000000	7,907	0.406772	3,216	0.361013	2,855	1.767785	13,978	
Salmon & Dungeness Crab - M & L Vessels	11,906	1.000000	11,906	0.269473	3,208	0.507051	6,037	1.776524	21,151	
Dungeness Crab - Small Vessels	600	1.000000	600	0.202075	121	0.315988	190	1.518063	911	
Dungeness Crab - M & L Vessels	26,772	1.000000	26,772	0.143632	3,845	0.588733	15,762	1.732365	46,379	
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	191	1.000000	191	0.491968	94	0.252415	48	1.744383	333	
Hook & Line Live	9	1.000000	9	0.433843	4	0.297127	3	1.730970	16	
Lobster & Crab	4,422	1.000000	4,422	0.317641	1,405	0.432727	1,914	1.750368	7,740	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	84,558		84,558		25,401		33,348		143,307	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier		
Trawl - Northern California	0	0.763987	0	0.072793	0	0.375335	0	1.212116	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.250906	0	0.291105	0	0.156809	0	0.698820	0
Salmon & Albacore	32,751	0.299564	9,811	0.249184	8,161	0.128619	4,212	0.128619	4,212
Salmon & Dungeness Crab - Small Vessels	7,907	0.383818	3,035	0.232249	1,836	0.225005	1,779	0.841072	6,650
Salmon & Dungeness Crab - M & L Vessels	11,906	0.611706	7,283	0.155750	1,854	0.316025	3,763	1.083481	12,900
Dungeness Crab - Small Vessels	600	0.509404	306	0.125556	75	0.207410	124	0.842370	505
Dungeness Crab - M & L Vessels	26,772	0.748734	20,045	0.083058	2,224	0.366934	9,824	1.198726	32,092
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	191	0.250092	48	0.282658	54	0.157321	30	0.690071	132
Hook & Line Live	9	0.311059	3	0.251509	2	0.185188	2	0.747756	7
Lobster & Crab	4,422	0.492934	2,180	0.185605	821	0.269701	1,193	0.948240	4,193
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	84,558		42,710		15,028		20,926		60,692

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685024	0	0.0044659	0	0.205398	0	0.935081	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125651	0	0.179199	0	0.085812	0	0.390662	0
Salmon & Albacore	32,751	0.155226	5,084	0.150416	4,926	0.068636	2,248	0.374278	12,258
Salmon & Dungeness Crab - Small Vessels	7,907	0.296860	2,347	0.140568	1,111	0.123131	974	0.560560	4,432
Salmon & Dungeness Crab - M & L Vessels	11,906	0.518548	6,174	0.095831	1,141	0.172941	2,059	0.787320	9,374
Dungeness Crab - Small Vessels	600	0.413519	248	0.075448	45	0.110599	66	0.599566	360
Dungeness Crab - M & L Vessels	26,772	0.662398	17,739	0.050752	1,359	0.200800	5,376	0.914151	24,474
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	191	0.131544	25	0.174300	33	0.086092	16	0.391936	75
Hook & Line Live	9	0.205777	2	0.154243	1	0.101342	1	0.461362	4
Lobster & Crab	4,422	0.410778	1,816	0.113544	502	0.147591	653	0.671913	2,971
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	84,558		33,436		9,119		11,393		53,948

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	0	0.021934	0	0.017607	0	0.131875	0	0.171416	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	0	0.051186	0	0.072079	0	0.055095	0	0.178361	0	
Salmon & Albacore	32,751	0.067682	2,217	0.062573	2,049	0.046554	1,525	0.176809	5,791	
Salmon & Dungeness Crab - Small Vessels	7,907	0.006121	48	0.059279	469	0.079056	625	0.144456	1,142	
Salmon & Dungeness Crab - M & L Vessels	11,906	0.029517	351	0.038229	455	0.111036	1,322	0.178782	2,129	
Dungeness Crab - Small Vessels	600	0.012119	7	0.030833	18	0.075854	46	0.118806	71	
Dungeness Crab - M & L Vessels	26,772	0.018492	495	0.020913	560	0.128923	3,452	0.168329	4,507	
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	191	0.030713	6	0.070718	14	0.055275	11	0.156706	30	
Hook & Line Live	9	0.029670	0	0.062597	1	0.065066	1	0.157333	1	
Lobster & Crab	4,422	0.016431	73	0.047113	208	0.094760	419	0.158305	700	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	84,558		3,198		3,774		7,399		14,371	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	0	0	0	0	0
Salmon & Albacore	7,300	6,976	3,773	18,049	18,049
Salmon & Dungeness Crab - Small Vessels	2,396	1,580	1,599	5,575	5,575
Salmon & Dungeness Crab - M & L Vessels	6,525	1,596	3,381	11,502	11,502
Dungeness Crab - Small Vessels	255	64	112	431	431
Dungeness Crab - M & L Vessels	18,234	1,919	8,827	28,980	28,980
Longline	0	0	0	0	0
Harpoon/Spear	0	0	0	0	0
Hook & Line	31	47	27	105	105
Hook & Line Live	2	2	1	6	6
Lobster & Crab	1,889	710	1,072	3,671	3,671
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	0	0	0	0	0
Total	36,533	12,893	18,792	68,318	68,318

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.774891	0.00000	0.804110	0.00000	4.421512	0.00000	14.000512	0.00000
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0	120.899467	0.00000	3.340973	0.00000	1.847238	0.00000	126.087678	0.00000
Salmon & Albacore	0.032751	110.636940	3.62347	2.472313	0.08097	1.423498	0.04662	114.532751	3.75106
Salmon & Dungeness Crab - Small Vessels	0.007907	43.161671	0.34128	2.621208	0.02073	2.650596	0.02096	48.433475	0.38296
Salmon & Dungeness Crab - M & L Vessels	0.011906	13.222919	0.15743	1.738490	0.02070	3.722824	0.04432	18.684233	0.22245
Dungeness Crab - Small Vessels	0.0006	43.208855	0.02593	1.698513	0.00102	1.940689	0.00116	46.848057	0.02811
Dungeness Crab - M & L Vessels	0.026772	8.420818	0.22544	0.899410	0.02408	4.322544	0.11572	13.642773	0.36524
Longline	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.000191	432.534515	0.08261	3.415497	0.00065	1.853262	0.00035	437.803275	0.08362
Hook & Line Live	0.000009	151.747238	0.00137	2.891785	0.00003	2.181543	0.00002	156.820566	0.00141
Lobster & Crab	0.004422	16.393444	0.07249	2.223156	0.00983	3.177126	0.01405	21.793726	0.09637
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			4.53002		0.15800		0.24321		4.93124

Contra Costa County - GFNMS Catch 2012

Operational Category	Revenue 2013		Output		Output		Output		Output		Total
	\$		Direct	Indirect	Direct	Indirect	Direct	Indirect	Total		
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	1.000000	0	0.434451	0	0.197174	0	1.631624	0	1.631624	0
Salmon & Albacore	8,187	1.000000	8,187	0.412423	3,377	0.199717	1,635	1.612141	13,199	1.612141	13,199
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	1.000000	0	0.269473	0	0.507051	0	1.776524	0	1.776524	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	1.000000	0	0.143632	0	0.588733	0	1.732365	0	1.732365	0
Longline	2,023	1.000000	2,023	0.209774	424	0.446152	903	1.655926	3,350	1.655926	3,350
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	641	1.000000	641	0.458204	294	0.205169	132	1.663374	1,066	1.663374	1,066
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	1.000000	0	0.128690	0	0.480478	0	1.609168	0	1.609168	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	10,851		10,851		4,095		2,669		17,615		17,615

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Value Added Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Salmon	0	0.250674	0	0.240447	0	0.124458	0	0.615578	0	0
Salmon & Albacore	8,187	0.299564	2,453	0.249184	2,040	0.128619	1,053	0.128619	1,053	1,053
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0.611706	0	0.156750	0	0.316025	0	1.083481	0	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Dungeness Crab - M & L Vessels	0	0.748734	0	0.083058	0	0.366934	0	1.198726	0	0
Longline	2,023	0.631478	1,277	0.112573	228	0.281615	570	1.025666	2,075	2,075
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Hook & Line	641	0.250092	160	0.249036	160	0.129505	83	0.628632	403	403
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Prawn Trap	0	0.689703	0	0.067159	0	0.291179	0	1.048041	0	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Total	10,851		3,890		2,427		1,706		3,531	

Operational Category	Output	Direct		Indirect		Induced		Total	
		Labor Income	Multiplier	Labor Income	Multiplier	Labor Income	Multiplier	Labor Income	Multiplier
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125337	0	0.146104	0	0.066928	0	0.338369	0
Salmon & Albacore	8,187	0.155226	1,271	0.150416	1,231	0.068636	562	0.374278	3,064
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.518548	0	0.095831	0	0.172941	0	0.787320	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.662598	0	0.050752	0	0.200800	0	0.914151	0
Longline	2,023	0.546385	1,105	0.067814	137	0.151440	306	0.765640	1,549
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	641	0.131518	84	0.150930	97	0.069642	45	0.352090	226
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.579096	0	0.039919	0	0.148350	0	0.767365	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	10,851		2,460		1,465		913		4,839

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Multiplier	Direct Income	Multiplier	Indirect Income	Multiplier	Induced Income	Multiplier	Total Income
Trawl - Northern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.051319	0	0.062348	0	0.045178	0	0.158845	0
Salmon & Albacore	8,187	0.067682	554	0.062573	512	0.046554	381	0.176809	1,448
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.029517	0	0.038229	0	0.111036	0	0.178782	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.018492	0	0.020913	0	0.128923	0	0.168329	0
Longline	2,023	0.025752	52	0.029530	60	0.102225	207	0.157507	319
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	641	0.030745	20	0.065922	42	0.047010	30	0.143676	92
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.019636	0	0.017402	0	0.111385	0	0.148422	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	10,851		626		614		618		1,858

Operational Category	Total	Total	Total	Total
	Income	Income	Income	Income
	Direct	Indirect	Induced	Total
Trawl - Northern California	0	0	0	0
Trawl - Southern California	0	0	0	0
CPS Seine	0	0	0	0
Herring Gillnet	0	0	0	0
Other Gillnet	0	0	0	0
Salmon	0	0	0	0
Salmon & Albacore	1,825	1,744	943	4,512
Salmon & Dungeness Crab - Small Vessels	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0
Longline	1,157	197	513	1,868
Harpoon/Spear	0	0	0	0
Hook & Line	104	139	75	318
Hook & Line Live	0	0	0	0
Lobster & Crab	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0
Prawn Trap	0	0	0	0
Sea Urchin	0	0	0	0
Tuna/Other Seine	0	0	0	0
Total	3,086	2,080	1,531	6,697

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Trawl - Southern California	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
CPS Seine	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Herring Gillnet	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Gillnet	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Salmon	0	120.434349	0.000000	3.062820	0.000000	1.504664	0.000000	125.001833	0.000000
Salmon & Albacore	0.008187	110.636940	0.90578	2.472313	0.02024	1.423498	0.01165	114.532751	0.93768
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Dungeness Crab - Small Vessels	0	13.222919	0.000000	1.738490	0.000000	3.722824	0.000000	18.684233	0.000000
Dungeness Crab - M & L Vessels	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Longline	0	8.420818	0.000000	0.899410	0.000000	4.322544	0.000000	13.642773	0.000000
Harpoon/Spear	0.002023	38.073910	0.07702	1.345909	0.00272	3.404654	0.00689	42.824473	0.08663
Hook & Line	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Hook & Line Live	0.000641	432.488312	0.27723	3.391510	0.00217	1.565679	0.00100	437.445501	0.28040
Lobster & Crab	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Nearshore & Groundfish Trap	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Prawn Trap	0	9.256578	0.000000	0.982250	0.000000	4.350723	0.000000	14.589552	0.000000
Sea Urchin	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Tuna/Other Seine	0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Total			1.26003		0.02514		0.01955		1.30472

Marin County - GFNIMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	6,457	0	6,457	0	592	0	3,003	0	1,556,828	10,052	0	0
Trawl - Southern California	0	0	0	0	0	0	0	0	0.000000	0	0	0
CPS Seine	0	0	0	0	0	0	0	0	0.000000	0	0	0
Herring Gillnet	0	0	0	0.275802	0	0	0	0	1.407400	0	0	0
Other Gillnet	0	0	0	0.000000	0	0	0	0	0.000000	0	0	0
Salmon	0	0	0	0.338397	0	0	0	0	1.502005	0	0	0
Salmon & Albacore	22,853	0	22,853	0.338397	7,733	0	3,739	0	1,502,005	34,325	0	0
Salmon & Dungeness Crab - Small Vessels	242,409	0	242,409	0.268127	64,996	0	62,084	0	1,524,240	369,489	0	0
Salmon & Dungeness Crab - M & L Vessels	1,754	0	1,754	0.188270	330	0	668	0	1,569,037	2,752	0	0
Dungeness Crab - Small Vessels	1,550	0	1,550	0.202075	313	0	490	0	1,518,063	2,353	0	0
Dungeness Crab - M & L Vessels	0	0	0	0.101138	0	0	0	0	1,553,514	0	0	0
Longline	1,183	0	1,183	0.165079	195	0	465	0	1,558,113	1,843	0	0
Harpoon/Spear	0	0	0	0.000000	0	0	0	0	0.000000	0	0	0
Hook & Line	12,272	0	12,272	0.327002	4,013	0	2,011	0	1,490,839	18,296	0	0
Hook & Line Live	21	0	21	0.296048	6	0	4	0	1,501,150	32	0	0
Lobster & Crab	750	0	750	0.308089	231	0	263	0	1,658,790	1,244	0	0
Nearshore & Groundfish Trap	0	0	0	0.000000	0	0	0	0	0.000000	0	0	0
Prawn Trap	0	0	0	0.000000	0	0	0	0	0.000000	0	0	0
Sea Urchin	0	0	0	0.000000	0	0	0	0	0.000000	0	0	0
Tuna/Other Seine	0	0	0	0.049265	0	0	0	0	1,624,483	0	0	0
Total	289,249	289,249	289,249	78,411	78,411	72,727	72,727	440,387				

Operational Category	Output	Value Added		Value Added		Value Added		Value Added
		Direct	Indirect	Direct	Indirect	Induced	Total	
Trawl - Northern California	6,457	0.764223	0.057452	4,935	371	0.305280	1,971	7,277
Trawl - Southern California	0	0.000000	0.000000	0	0	0.000000	0	0
CPS Seine	0	0.000000	0.000000	0	0	0.000000	0	0
Herring Gillnet	0	0.249697	0.171916	0	0	0.086379	0	0
Other Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0
Salmon	0	0.251030	0.210913	0	0	0.107390	0	0
Salmon & Albacore	22,853	0.251030	0.210913	5,737	4,820	0.107390	2,454	13,011
Salmon & Dungeness Crab - Small Vessels	242,409	0.383788	0.168286	93,034	40,794	0.168109	40,751	174,579
Salmon & Dungeness Crab - M & L Vessels	1,754	0.611769	0.117133	1,073	205	0.249931	438	1,717
Dungeness Crab - Small Vessels	1,550	0.509404	0.125556	790	195	0.207410	321	1,306
Dungeness Crab - M & L Vessels	0	0.748697	0.062488	0	0	0.296933	0	0
Longline	1,183	0.631783	0.102933	747	122	0.257982	305	1,174
Harpoon/Spear	0	0.000000	0.000000	0	0	0.000000	0	0
Hook & Line	12,272	0.250099	0.202348	3,069	2,483	0.107541	1,320	6,872
Hook & Line Live	21	0.311829	0.184398	7	4	0.134626	3	13
Lobster & Crab	750	0.489986	0.175866	367	132	0.229292	172	671
Nearshore & Groundfish Trap	0	0.000000	0.000000	0	0	0.000000	0	0
Prawn Trap	0	0.000000	0.000000	0	0	0.000000	0	0
Sea Urchin	0	0.000000	0.000000	0	0	0.000000	0	0
Tuna/Other Seine	0	0.904618	0.030411	0	0	0.370443	0	0
Total	289,249			109,758	49,126		47,736	206,620

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	6,457	0.685256	4,425	0.034440	222	0.162787	1,051	0.882483	5,698	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.099660	0	0.103977	0	0.046061	0	0.249698	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	0	0.125722	0	0.127449	0	0.057264	0	0.310435	0	
Salmon & Albacore	22,853	0.125722	2,873	0.127449	2,913	0.057264	1,309	0.310435	7,094	
Salmon & Dungeness Crab - Small Vessels	242,409	0.296875	71,965	0.099440	24,105	0.089642	21,730	0.485957	117,800	
Salmon & Dungeness Crab - M & L Vessels	1,754	0.518549	910	0.070660	124	0.133273	234	0.722482	1,267	
Dungeness Crab - Small Vessels	1,550	0.413519	641	0.075448	117	0.110599	171	0.599566	929	
Dungeness Crab - M & L Vessels	0	0.662592	0	0.037426	0	0.158336	0	0.858354	0	
Longline	1,183	0.546599	647	0.061591	73	0.137566	163	0.745756	882	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	12,272	0.131544	1,614	0.121982	1,497	0.057345	704	0.310872	3,815	
Hook & Line Live	21	0.206536	4	0.110843	2	0.071788	2	0.389167	8	
Lobster & Crab	750	0.405046	304	0.110079	83	0.125326	94	0.640451	480	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.862077	0	0.018222	0	0.197682	0	1.07980	0	
Total	289,249		83,383		29,136		25,457		137,975	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	6,457	0.022072	143	0.013985	90	0.111647	721	0.147704	954		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.054294	0	0.041670	0	0.031590	0	0.127554	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	0	0.051215	0	0.051012	0	0.039275	0	0.141501	0		
Salmon & Albacore	22,853	0.051215	1,170	0.051012	1,166	0.039275	898	0.141501	3,234		
Salmon & Dungeness Crab - Small Vessels	242,409	0.006072	1,472	0.041926	10,163	0.061481	14,904	0.109479	26,539		
Salmon & Dungeness Crab - M & L Vessels	1,754	0.029533	52	0.028489	50	0.091405	160	0.149427	262		
Dungeness Crab - Small Vessels	1,550	0.012119	19	0.030833	48	0.075854	118	0.118806	184		
Dungeness Crab - M & L Vessels	0	0.018460	0	0.015650	0	0.108594	0	0.142704	0		
Longline	1,183	0.025733	30	0.025329	30	0.094349	112	0.145411	172		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	12,272	0.030706	377	0.050039	614	0.039330	483	0.120075	1,474		
Hook & Line Live	21	0.029698	1	0.045013	1	0.049235	1	0.123946	3		
Lobster & Crab	750	0.017550	13	0.041195	31	0.080946	61	0.139690	105		
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.012059	0	0.007626	0	0.134081	0	0.153766	0		
Total	289,249		3,276		12,193		17,456		32,925		

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	4,567	313	1,772	6,652	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	4,044	4,078	2,206	10,328	
Salmon & Dungeness Crab - Small Vessels	73,437	34,268	36,634	144,339	
Salmon & Dungeness Crab - M & L Vessels	961	174	394	1,529	
Dungeness Crab - Small Vessels	660	165	289	1,113	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	677	103	274	1,054	
Harpoon/Spear	0	0	0	0	
Hook & Line	1,991	2,111	1,186	5,289	
Hook & Line Live	5	3	3	11	
Lobster & Crab	317	113	155	585	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	86,659	41,329	42,913	170,901	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0.006457	8.757106	0.05654	0.578248	0.00373	3.524227	0.02276	12.859581	0.08303
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	212.990799	0.00000	1.827591	0.00000	0.997179	0.00000	215.815569	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0	120.903114	0.00000	2.277069	0.00000	1.239733	0.00000	124.419917	0.00000
Salmon & Albacore	0.022853	120.903114	2.76300	2.277069	0.05204	1.239733	0.02833	124.419917	2.84337
Salmon & Dungeness Crab - Small Vessels	0.242409	43.208855	10.47422	1.698513	0.41173	1.940689	0.47044	46.848057	11.35639
Salmon & Dungeness Crab - M & L Vessels	0.001754	13.201868	0.02316	1.218649	0.00214	2.885258	0.00506	17.305775	0.03035
Dungeness Crab - Small Vessels	0.00155	43.286915	0.06709	1.327858	0.00206	2.394391	0.00371	47.009163	0.07286
Dungeness Crab - M & L Vessels	0	8.402330	0.00000	0.617979	0.00000	3.427868	0.00000	12.448177	0.00000
Longline	0.001183	38.154396	0.04514	1.038830	0.00123	2.978202	0.00352	42.171428	0.04989
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.012272	432.523010	5.30792	2.260773	0.02774	1.241477	0.01524	436.025260	5.35090
Hook & Line Live	0.000021	152.496628	0.00320	1.957092	0.00004	1.554152	0.00003	156.007872	0.00328
Lobster & Crab	0.00075	21.754385	0.01632	1.784843	0.00134	2.400951	0.00180	25.940180	0.01946
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0	8.543684	0.00000	0.293364	0.00000	4.099904	0.00000	12.936951	0.00000
Total			18.75659		0.50206		0.55089		19.80953

Mendocino County - GFNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	0	0	0	0	0	0	0	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0	0	0	0	0	0	0	0
CPS Seine	0	0	0	0	0	0	0	0	0	0	0	0
Herring Gillnet	0	0	0	0	0	0	0	0	0	0	0	0
Other Gillnet	0	0	0	0	0	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0	0	0	0	0	0
Salmon & Albacore	10,172	10,172	1,000,000	0.270809	2,755	0.153911	1,566	1,424,720	1,424,720	14,492	14,492	0
Salmon & Dungeness Crab - Small Vessels	0	0	1,000,000	0.228592	0	0.234462	0	1,463,053	1,463,053	0	0	0
Salmon & Dungeness Crab - M & L Vessels	28,044	28,044	1,000,000	0.166512	4,670	0.362014	10,152	1,528,526	1,528,526	42,866	42,866	0
Dungeness Crab - Small Vessels	0	0	1,000,000	0.171500	0	0.296644	0	1,468,144	1,468,144	0	0	0
Dungeness Crab - M & L Vessels	0	0	1,000,000	0.091455	0	0.437646	0	1,529,101	1,529,101	0	0	0
Longline	0	0	1,000,000	0.148810	0	0.375881	0	1,524,691	1,524,691	0	0	0
Harpoon/Spear	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0.000000	0	0	0
Hook & Line	0	0	1,000,000	0.280215	0	0.138980	0	1,419,195	1,419,195	0	0	0
Hook & Line Live	0	0	1,000,000	0.306330	0	0.186843	0	1,493,173	1,493,173	0	0	0
Lobster & Crab	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0.000000	0	0	0
Nearshore & Groundfish Trap	0	0	1,000,000	0.293559	0	0.197561	0	1,491,120	1,491,120	0	0	0
Prawn Trap	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0.000000	0	0	0
Sea Urchin	0	0	1,000,000	0.199818	0	0.235522	0	1,435,340	1,435,340	0	0	0
Tuna/Other Seine	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0.000000	0	0	0
Total	38,216	38,216	38,216	7,424	7,424	11,718	11,718	57,358	57,358	57,358	57,358	0

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764225	0	0.039522	0	0.281671	0	1.085418	0	0	
Trawl - Southern California	0	0.509517	0	0.074155	0	0.192823	0	0.776495	0	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon	0	0.251004	0	0.150625	0	0.086294	0	0.487923	0	0	
Salmon & Albacore	10,172	0.299568	3,047	0.145140	1,476	0.096428	981	0.541136	5,504	0	
Salmon & Dungeness Crab - Small Vessels	0	0.383803	0	0.123497	0	0.146895	0	0.654194	0	0	
Salmon & Dungeness Crab - M & L Vessels	28,044	0.611762	17,156	0.085485	2,397	0.226808	6,361	0.924056	25,914	0	
Dungeness Crab - Small Vessels	0	0.509469	0	0.089357	0	0.185853	0	0.784680	0	0	
Dungeness Crab - M & L Vessels	0	0.748769	0	0.044922	0	0.274193	0	1.067884	0	0	
Longline	0	0.631737	0	0.075907	0	0.235497	0	0.943141	0	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	0	0.250078	0	0.143401	0	0.087073	0	0.480553	0	0	
Hook & Line Live	0	0.311455	0	0.142836	0	0.117061	0	0.571352	0	0	
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Nearshore & Groundfish Trap	0	0.348467	0	0.133754	0	0.123775	0	0.605996	0	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Sea Urchin	0	0.422830	0	0.114323	0	0.147559	0	0.684712	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	38,216		20,203		3,874		7,341		31,419		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685264	0	0.023450	0	0.143421	0	0.852134	0
Trawl - Southern California	0	0.439973	0	0.045190	0	0.098181	0	0.583344	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125702	0	0.091423	0	0.043939	0	0.261064	0
Salmon & Albacore	10,172	0.155236	1,579	0.087388	889	0.049099	499	0.291722	2,967
Salmon & Dungeness Crab - Small Vessels	0	0.296876	0	0.072726	0	0.074796	0	0.444398	0
Salmon & Dungeness Crab - M & L Vessels	28,044	0.518545	14,542	0.052129	1,462	0.115486	3,239	0.686160	19,243
Dungeness Crab - Small Vessels	0	0.413606	0	0.054020	0	0.094632	0	0.562258	0
Dungeness Crab - M & L Vessels	0	0.662628	0	0.027270	0	0.139613	0	0.829512	0
Longline	0	0.546697	0	0.045837	0	0.119910	0	0.712444	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.131534	0	0.087552	0	0.044336	0	0.263422	0
Hook & Line Live	0	0.206150	0	0.0888387	0	0.059605	0	0.354142	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.228288	0	0.083144	0	0.063024	0	0.374456	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.303327	0	0.067947	0	0.075134	0	0.446407	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	38,216		16,121		2,351		3,738		22,210

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0	0.022077	0.009852	0	0	0.107810	0	0.139739	0
Trawl - Southern California	0	0.018450	0.018173	0	0	0.073803	0	0.110426	0
CPS Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Salmon	0	0.051218	0.036717	0	0	0.033029	0	0.120964	0
Salmon & Albacore	10,172	0.067686	0.036110	367	375	0.036908	0.140704	0.140704	1,431
Salmon & Dungeness Crab - Small Vessels	0	0.006078	0.031528	0	0	0.056224	0	0.093830	0
Salmon & Dungeness Crab - M & L Vessels	28,044	0.029531	0.020740	582	2,435	0.086811	0.137082	0.137082	3,844
Dungeness Crab - Small Vessels	0	0.012152	0.022312	0	0	0.071135	0	0.105599	0
Dungeness Crab - M & L Vessels	0	0.018486	0.011193	0	0	0.104947	0	0.134626	0
Longline	0	0.025421	0.018668	0	0	0.090136	0	0.134225	0
Harpoon/Spear	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Hook & Line	0	0.030700	0.034982	0	0	0.033327	0	0.099010	0
Hook & Line Live	0	0.029804	0.033773	0	0	0.044805	0	0.108382	0
Lobster & Crab	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.039266	0.031442	0	0	0.047375	0	0.118083	0
Prawn Trap	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Sea Urchin	0	0.029190	0.028801	0	0	0.056478	0	0.114469	0
Tuna/Other Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Total	38,216			1,517	949		2,810		5,276

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	2,268	1,256	875	4,399	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	15,370	2,044	5,673	23,087	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	17,638	3,300	6,548	27,486	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0	8.736550	0.00000	0.621212	0.00000	4.444526	0.00000	13.802289	0.00000		
Trawl - Southern California	0	29.829544	0.00000	1.380180	0.00000	3.042580	0.00000	34.252305	0.00000		
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon	0	120.899529	0.00000	2.563362	0.00000	1.361647	0.00000	124.824538	0.00000		
Salmon & Albacore	0.010172	110.651314	1.12555	2.384941	0.02426	1.521553	0.01548	114.557808	1.16528		
Salmon & Dungeness Crab - Small Vessels	0	43.207561	0.00000	1.942734	0.00000	2.317872	0.00000	47.468167	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.028044	13.202424	0.37025	1.457029	0.04086	3.578843	0.10037	18.238296	0.51147		
Dungeness Crab - Small Vessels	0	43.354336	0.00000	1.495689	0.00000	2.932604	0.00000	47.782629	0.00000		
Dungeness Crab - M & L Vessels	0	8.421917	0.00000	0.755717	0.00000	4.326534	0.00000	13.504169	0.00000		
Longline	0	38.490429	0.00000	1.250523	0.00000	3.715935	0.00000	43.456887	0.00000		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0	432.532379	0.00000	2.492371	0.00000	1.373944	0.00000	436.398694	0.00000		
Hook & Line Live	0	151.974136	0.00000	2.490570	0.00000	1.847118	0.00000	156.311825	0.00000		
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Nearshore & Groundfish Trap	0	81.911163	0.00000	2.339966	0.00000	1.953072	0.00000	86.204202	0.00000		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	38.068993	0.00000	1.845898	0.00000	2.328352	0.00000	42.243243	0.00000		
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Total			1.49579		0.06512		0.11584		1.67676		

Monterey County - GFNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	0	0.109224	0	0	0	0.476148	0	0	1.585372	0	0	0
Trawl - Southern California	0	0.384861	0	0	0	0.381386	0	0	1.766247	0	0	0
CPS Seine	0	0.073408	0	0	0	0.527962	0	0	1.601370	0	0	0
Herring Gillnet	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Other Gillnet	0	0.437465	0	0	0	0.308813	0	0	1.746278	0	0	0
Salmon	0	0.451119	0	0	0	0.190309	0	0	1.641428	0	0	0
Salmon & Albacore	3,364	0.417079	3,364	1,403	0	0.201155	677	0	1.618234	5,444	0	5,444
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0.247582	0	0	0	0.398571	0	0	1.646153	0	0	0
Dungeness Crab - Small Vessels	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Dungeness Crab - M & L Vessels	2,465	0.133060	2,465	328	0	0.465421	1,147	0	1.598482	3,940	0	3,940
Longline	0	0.216517	0	0	0	0.409184	0	0	1.625700	0	0	0
Harpoon/Spear	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Hook & Line	0	0.478565	0	0	0	0.199061	0	0	1.677626	0	0	0
Hook & Line Live	0	0.438833	0	0	0	0.235563	0	0	1.674396	0	0	0
Lobster & Crab	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Nearshore & Groundfish Trap	0	0.403009	0	0	0	0.241469	0	0	1.644478	0	0	0
Prawn Trap	0	0.191777	0	0	0	0.421886	0	0	1.613663	0	0	0
Sea Urchin	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Tuna/Other Seine	0	0.000000	0	0	0	0.000000	0	0	0.000000	0	0	0
Total	5,829	5,829	5,829	1,731	1,731	1,824	1,824	1,824	9,384	9,384	0	9,384

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764224	0	0.067932	0	0.311916	0	1.144072	0		
Trawl - Southern California	0	0.510763	0	0.235797	0	0.249839	0	0.996399	0		
CPS Seine	0	0.860169	0	0.045235	0	0.345858	0	1.251262	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.402775	0	0.267798	0	0.202297	0	0.872871	0		
Salmon	0	0.251002	0	0.273571	0	0.124668	0	0.649241	0		
Salmon & Albacore	3,364	0.299582	1,008	0.252524	849	0.131773	443	0.683878	2,301		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	0	0.611769	0	0.147661	0	0.261096	0	1.020526	0		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	2,465	0.748748	1,846	0.078150	193	0.304889	752	1.131787	2,790		
Longline	0	0.631740	0	0.128759	0	0.268049	0	1.028548	0		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	0	0.250080	0	0.285315	0	0.130401	0	0.665796	0		
Hook & Line Live	0	0.311446	0	0.252735	0	0.154313	0	0.718494	0		
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Nearshore & Groundfish Trap	0	0.348481	0	0.230082	0	0.158182	0	0.736745	0		
Prawn Trap	0	0.689703	0	0.105050	0	0.276369	0	1.071123	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	5,829		2,853		1,042		1,195		5,090		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0	0.685263	0.040578	0	0	0.162948	0	0.888789	0
Trawl - Southern California	0	0.440555	0.140830	0	0	0.130518	0	0.711904	0
CPS Seine	0	0.777657	0.027169	0	0	0.180680	0	0.985507	0
Herring Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Other Gillnet	0	0.310948	0.159807	0	0	0.105682	0	0.576437	0
Salmon	0	0.125701	0.164406	0	0	0.065128	0	0.355235	0
Salmon & Albacore	3,364	0.155248	0.151393	522	509	0.068839	232	0.375480	1,263
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.518548	0.089035	0	0	0.136400	0	0.743982	0
Dungeness Crab - Small Vessels	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	2,465	0.662611	0.046879	1,633	116	0.159277	393	0.868767	2,142
Longline	0	0.546700	0.077061	0	0	0.140031	0	0.763792	0
Harpoon/Spear	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Hook & Line	0	0.131537	0.171912	0	0	0.068123	0	0.371572	0
Hook & Line Live	0	0.206149	0.152944	0	0	0.080615	0	0.439708	0
Lobster & Crab	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.228296	0.139800	0	0	0.082636	0	0.450731	0
Prawn Trap	0	0.579096	0.064028	0	0	0.144378	0	0.787502	0
Sea Urchin	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Total	5,829			2,156	625		624		3,405

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	0	0.022077	0	0.016726	0	0.114897	0	0.153700	0	
Trawl - Southern California	0	0.019131	0	0.063775	0	0.092031	0	0.174937	0	
CPS Seine	0	0.014059	0	0.011275	0	0.127400	0	0.152735	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.036516	0	0.071904	0	0.074518	0	0.182939	0	
Salmon	0	0.051217	0	0.068456	0	0.045923	0	0.165596	0	
Salmon & Albacore	3,364	0.067688	228	0.063135	212	0.048540	163	0.179363	603	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.029533	0	0.036548	0	0.096178	0	0.162259	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	2,465	0.018489	46	0.019707	49	0.112309	277	0.150505	371	
Longline	0	0.025421	0	0.032142	0	0.098738	0	0.156301	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	0	0.030701	0	0.072706	0	0.048035	0	0.151442	0	
Hook & Line Live	0	0.029796	0	0.062715	0	0.056843	0	0.149354	0	
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Nearshore & Groundfish Trap	0	0.039270	0	0.056340	0	0.058268	0	0.153878	0	
Prawn Trap	0	0.019636	0	0.025427	0	0.101804	0	0.146866	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	5,829		273		261		440		974	

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	750	722	395	1,866	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	1,679	164	669	2,513	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	2,429	886	1,064	4,379	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.736888	0.00000	0.841930	0.00000	4.093865	0.00000	13.672683	0.00000
Trawl - Southern California	0	29.978544	0.00000	3.516878	0.00000	3.279112	0.00000	36.774534	0.00000
CPS Seine	0	4.215760	0.00000	0.577301	0.00000	4.539356	0.00000	9.332417	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	23.663721	0.00000	3.906652	0.00000	2.655133	0.00000	30.225507	0.00000
Salmon	0	120.901070	0.00000	3.587440	0.00000	1.636249	0.00000	126.124760	0.00000
Salmon & Albacore	0.003364	110.640572	0.37219	3.199455	0.01076	1.729501	0.00582	115.569528	0.38878
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon & Dungeness Crab - M & L Vessels	0	13.206952	0.00000	1.893327	0.00000	3.426866	0.00000	18.527145	0.00000
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0.002465	8.425305	0.02077	0.980902	0.00242	4.001637	0.00986	13.407845	0.03305
Longline	0	38.488541	0.00000	1.620567	0.00000	3.518112	0.00000	43.627220	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0	432.526550	0.00000	3.895447	0.00000	1.711502	0.00000	438.133499	0.00000
Hook & Line Live	0	151.975449	0.00000	3.337250	0.00000	2.025344	0.00000	157.338042	0.00000
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Nearshore & Groundfish Trap	0	81.916222	0.00000	2.987198	0.00000	2.076120	0.00000	86.979539	0.00000
Prawn Trap	0	9.256877	0.00000	1.329928	0.00000	3.627323	0.00000	14.214128	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			0.39296		0.01318		0.01568		0.42183

San Francisco County - GFNMS Catch
2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total Multiplier	Total Output
		Direct Multiplier	Direct Output	Indirect Multiplier	Indirect Output	Induced Multiplier	Induced Output	Total Multiplier	Total Output		
Trawl - Northern California	259,556	1.000000	259,556	0.097450	25,294	0.491839	127,660	1.589289	412,509		
Trawl - Southern California	0	1.000000	0	0.295013	0	0.376708	0	1.671721	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	417	1.000000	417	0.310182	129	0.147365	61	1.457547	608		
Other Gillnet	0	1.000000	0	0.346735	0	0.300143	0	1.646878	0		
Salmon	5,058	1.000000	5,058	0.417637	2,112	0.188963	956	1.606600	8,126		
Salmon & Albacore	201,017	1.000000	201,017	0.387883	77,971	0.203031	40,813	1.590914	319,801		
Salmon & Dungeness Crab - Small Vessels	100,941	1.000000	100,941	0.342102	34,532	0.285405	28,809	1.627507	164,282		
Salmon & Dungeness Crab - M & L Vessels	2,981,988	1.000000	2,981,988	0.228150	680,341	0.409382	1,220,772	1.637532	4,883,101		
Dungeness Crab - Small Vessels	8,456	1.000000	8,456	0.268886	2,274	0.348023	2,943	1.616909	13,673		
Dungeness Crab - M & L Vessels	4,446,690	1.000000	4,446,690	0.125016	555,907	0.481495	2,141,059	1.606510	7,143,652		
Longline	76,022	1.000000	76,022	0.202232	15,374	0.421929	32,076	1.624161	123,472		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	3,634	1.000000	3,634	0.431672	1,569	0.196560	714	1.628232	5,917		
Hook & Line Live	0	1.000000	0	0.420000	0	0.241440	0	1.661441	0		
Lobster & Crab	4,440	1.000000	4,440	0.308089	1,368	0.350701	1,557	1.658790	7,365		
Nearshore & Groundfish Trap	22,956	1.000000	22,956	0.389711	8,946	0.248684	5,709	1.638395	37,611		
Prawn Trap	67,327	1.000000	67,327	0.128690	8,664	0.480478	32,349	1.609168	108,340		
Sea Urchin	0	1.000000	0	0.310183	0	0.285002	0	1.595186	0		
Tuna/Other Seine	0	1.000000	0	0.049265	0	0.575218	0	1.624483	0		
Total	8,178,502		8,178,502		1,414,482		3,635,478		13,228,457		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	259,556	0.764230	198,360	0.060867	15,798	0.321569	83,465	1.146666	297,624		
Trawl - Southern California	0	0.510796	0	0.184637	0	0.246296	0	0.941729	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	417	0.249731	104	0.189957	79	0.096349	40	0.536037	224		
Other Gillnet	0	0.400470	0	0.216831	0	0.196237	0	0.813537	0		
Salmon	5,058	0.251007	1,270	0.246260	1,246	0.123546	625	0.620813	3,140		
Salmon & Albacore	201,017	0.299593	60,223	0.232195	46,675	0.132743	26,684	0.664531	133,582		
Salmon & Dungeness Crab - Small Vessels	100,941	0.383844	38,746	0.201121	20,301	0.186601	18,836	0.771566	77,883		
Salmon & Dungeness Crab - M & L Vessels	2,981,988	0.611762	1,824,267	0.133209	397,228	0.267658	798,153	1.012629	3,019,648		
Dungeness Crab - Small Vessels	8,456	0.509412	4,308	0.158536	1,341	0.227541	1,924	0.895489	7,572		
Dungeness Crab - M & L Vessels	4,446,690	0.748767	3,329,535	0.071916	319,788	0.314806	1,399,845	1.135489	5,049,168		
Longline	76,022	0.631728	48,025	0.118169	8,983	0.275861	20,972	1.025758	77,980		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	3,634	0.250086	909	0.252624	918	0.128513	467	0.631223	2,294		
Hook & Line Live	0	0.311477	0	0.235507	0	0.157856	0	0.704841	0		
Lobster & Crab	4,440	0.489986	2,176	0.175866	781	0.229292	1,018	0.895144	3,974		
Nearshore & Groundfish Trap	22,956	0.348329	7,996	0.215986	4,958	0.162592	3,732	0.726908	16,687		
Prawn Trap	67,327	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.423433	0	0.188488	0	0.186337	0	0.798258	0		
Tuna/Other Seine	0	0.904618	0	0.030411	0	0.370443	0	1.305472	0		
Total	8,178,502		5,515,918		818,097		2,355,760		8,689,775		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total	Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	259,556	0.685265	177,865	0.037167	9,647	0.175763	45,620	0.898195	233,132		
Trawl - Southern California	0	0.440584	0	0.112741	0	0.134620	0	0.687945	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	417	0.099686	42	0.116770	49	0.052662	22	0.269118	112		
Other Gillnet	0	0.308820	0	0.132043	0	0.107259	0	0.548122	0		
Salmon	5,058	0.125704	636	0.151853	768	0.067528	342	0.345084	1,745		
Salmon & Albacore	201,017	0.155211	31,200	0.143009	28,747	0.072555	14,585	0.370774	74,532		
Salmon & Dungeness Crab - Small Vessels	100,941	0.296918	29,971	0.122297	12,345	0.101992	10,295	0.521206	52,611		
Salmon & Dungeness Crab - M & L Vessels	2,981,988	0.518545	1,546,295	0.082772	246,825	0.146296	436,253	0.747613	2,229,373		
Dungeness Crab - Small Vessels	8,456	0.413516	3,497	0.097676	826	0.124369	1,052	0.635560	5,374		
Dungeness Crab - M & L Vessels	4,446,690	0.662628	2,946,501	0.044611	198,371	0.172066	765,124	0.879305	3,909,997		
Longline	76,022	0.546691	41,561	0.073056	5,554	0.150780	11,463	0.770526	58,577		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	3,634	0.131541	478	0.157175	571	0.070243	255	0.358958	1,304		
Hook & Line Live	0	0.206163	0	0.148475	0	0.086281	0	0.440919	0		
Lobster & Crab	4,440	0.405046	1,798	0.110079	489	0.125326	556	0.640451	2,844		
Nearshore & Groundfish Trap	22,956	0.228241	5,240	0.137036	3,146	0.088869	2,040	0.454146	10,425		
Prawn Trap	67,327	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.303437	0	0.115186	0	0.101848	0	0.520471	0		
Tuna/Other Seine	0	0.862077	0	0.018222	0	0.197682	0	1.077980	0		
Total	8,178,502		4,785,083		507,338		1,287,607		6,580,027		

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier		
Trawl - Northern California	259,556	0.022078	5,730	0.014100	3,660	0.113522	29,465	0.149700	38,856		
Trawl - Southern California	0	0.019138	0	0.046882	0	0.086949	0	0.152969	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	417	0.054316	23	0.044525	19	0.034014	14	0.132854	55		
Other Gillnet	0	0.036430	0	0.054950	0	0.069277	0	0.160657	0		
Salmon	5,058	0.051219	259	0.057595	291	0.043615	221	0.152429	771		
Salmon & Albacore	201,017	0.067722	13,613	0.054298	10,915	0.046862	9,420	0.168883	33,948		
Salmon & Dungeness Crab - Small Vessels	100,941	0.006077	613	0.048670	4,913	0.065875	6,649	0.120623	12,176		
Salmon & Dungeness Crab - M & L Vessels	2,981,988	0.029530	88,058	0.030350	90,503	0.094490	281,768	0.154371	460,332		
Dungeness Crab - Small Vessels	8,456	0.012113	102	0.038333	324	0.080328	679	0.130774	1,106		
Dungeness Crab - M & L Vessels	4,446,690	0.018486	82,202	0.016704	74,278	0.111135	494,183	0.146325	650,662		
Longline	76,022	0.025419	1,932	0.027344	2,079	0.097386	7,403	0.150150	11,415		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	3,634	0.030699	112	0.059650	217	0.045369	165	0.135717	493		
Hook & Line Live	0	0.029805	0	0.053318	0	0.055727	0	0.138851	0		
Lobster & Crab	4,440	0.017550	78	0.041195	183	0.080946	359	0.139690	620		
Nearshore & Groundfish Trap	22,956	0.039194	900	0.047705	1,095	0.057399	1,318	0.144299	3,313		
Prawn Trap	67,327	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.029424	0	0.045307	0	0.065782	0	0.140514	0		
Tuna/Other Seine	0	0.012059	0	0.007626	0	0.134081	0	0.153766	0		
Total	8,178,502		193,623		188,476		831,645		1,213,747		

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced		
Trawl - Northern California	183,595	13,307	75,086	271,987	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	64	67	36	168	
Other Gillnet	0	0	0	0	
Salmon	895	1,059	562	2,516	
Salmon & Albacore	44,813	39,662	24,005	108,480	
Salmon & Dungeness Crab - Small Vessels	30,585	17,258	16,945	64,787	
Salmon & Dungeness Crab - M & L Vessels	1,634,353	337,328	718,021	2,689,705	
Dungeness Crab - Small Vessels	3,599	1,150	1,731	6,480	
Dungeness Crab - M & L Vessels	3,028,703	272,649	1,259,307	4,560,659	
Longline	43,493	7,633	18,866	69,992	
Harpoon/Spear	0	0	0	0	
Hook & Line	590	788	420	1,798	
Hook & Line Live	0	0	0	0	
Lobster & Crab	1,876	672	916	3,464	
Nearshore & Groundfish Trap	6,139	4,241	3,358	13,738	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	4,978,705	695,813	2,119,252	7,793,774	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0.259556	8.736168	2.26752	0.595264	0.15450	3.367198	0.87398	12.698631	3.29601		
Trawl - Southern California	0	29.966528	0.00000	2.027906	0.00000	2.579000	0.00000	34.573434	0.00000		
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Herring Gillnet	0.000417	213.002838	0.08882	1.912842	0.00080	1.008883	0.00042	215.924563	0.09004		
Other Gillnet	0	23.679096	0.00000	2.340153	0.00000	2.054823	0.00000	28.074072	0.00000		
Salmon	0.005058	120.899231	0.61151	2.485832	0.01257	1.293669	0.00654	124.678732	0.63063		
Salmon & Albacore	0.201017	110.690956	22.25076	2.244949	0.45127	1.389977	0.27941	114.325882	22.98145		
Salmon & Dungeness Crab - Small Vessels	0.100941	43.190449	4.35969	1.947227	0.19656	1.953924	0.19723	47.091600	4.75347		
Salmon & Dungeness Crab - M & L Vessels	2.981988	13.202483	39.36965	1.322582	3.94392	2.802687	8.35758	17.327752	51.67115		
Dungeness Crab - Small Vessels	0.008456	43.295197	0.36610	1.558975	0.01318	2.382618	0.02015	47.236790	0.39943		
Dungeness Crab - M & L Vessels	4.44669	8.422237	37.45108	0.681245	3.02929	3.296381	14.65798	12.399864	55.13835		
Longline	0.076022	38.489243	2.92603	1.155281	0.08783	2.888586	0.21960	42.533109	3.23345		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0.003634	432.529724	1.57181	2.599091	0.00945	1.345680	0.00489	436.474495	1.58615		
Hook & Line Live	0	151.983871	0.00000	2.378738	0.00000	1.652936	0.00000	156.015546	0.00000		
Lobster & Crab	0.00444	21.754385	0.09659	1.784843	0.00792	2.400951	0.01066	25.940180	0.11517		
Nearshore & Groundfish Trap	0.022956	81.933395	1.88086	2.150314	0.04936	1.702525	0.03908	85.786235	1.96931		
Prawn Trap	0.067327	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	38.143379	0.00000	1.876995	0.00000	1.951168	0.00000	41.971542	0.00000		
Tuna/Other Seine	0	8.543684	0.00000	0.293364	0.00000	4.099904	0.00000	12.936951	0.00000		
Total			113.24043		7.95665		24.66752		145.86461		

San Mateo County - GFNMMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Output	
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output
Trawl - Northern California	1,715	1.000000	1,715	0.108412	186	0.474076	813	1.582488		2,714	
Trawl - Southern California	0	1.000000	0	0.386262	0	0.381437	0	1.767699		0	
CPS Seine	0	1.000000	0	0.073781	0	0.525949	0	1.599730		0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Salmon	3,268	1.000000	3,268	0.465311	1,521	0.191192	625	1.656503		5,413	
Salmon & Albacore	70,689	1.000000	70,689	0.412423	29,154	0.199717	14,118	1.612141		113,961	
Salmon & Dungeness Crab - Small Vessels	0	1.000000	0	0.374910	0	0.280859	0	1.655769		0	
Salmon & Dungeness Crab - M & L Vessels	83,432	1.000000	83,432	0.237651	19,828	0.395212	32,973	1.632862		136,233	
Dungeness Crab - Small Vessels	0	1.000000	0	0.291104	0	0.338877	0	1.629981		0	
Dungeness Crab - M & L Vessels	214,260	1.000000	214,260	0.124776	26,735	0.462370	99,067	1.587146		340,062	
Longline	34,541	1.000000	34,541	0.204806	7,074	0.405988	14,023	1.610794		55,638	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Hook & Line	2,922	1.000000	2,922	0.473767	1,384	0.198289	579	1.672056		4,886	
Hook & Line Live	0	1.000000	0	0.398212	0	0.229418	0	1.627631		0	
Lobster & Crab	0	1.000000	0	0.308848	0	0.338368	0	1.647216		0	
Nearshore & Groundfish Trap	0	1.000000	0	0.354310	0	0.233337	0	1.587647		0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000		0	
Tuna/Other Seine	61,113	1.000000	61,113	0.049265	3,011	0.575218	35,153	1.624483		99,277	
Total	471,940		471,940		88,892		197,352			758,184	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Total		
Trawl - Northern California	1,715	0.764225	1,311	0.066788	115	0.305307	524	1.136320	1,949		
Trawl - Southern California	0	0.510829	0	0.239566	0	0.245647	0	0.996042	0		
CPS Seine	0	0.860202	0	0.045038	0	0.338713	0	1.243953	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	3,268	0.251004	820	0.275609	901	0.123129	402	0.649742	2,123		
Salmon & Albacore	70,689	0.299564	21,176	0.249184	17,615	0.128619	9,092	0.128619	9,092		
Salmon & Dungeness Crab - Small Vessels	0	0.383661	0	0.223820	0	0.180875	0	0.788356	0		
Salmon & Dungeness Crab - M & L Vessels	83,432	0.611762	51,041	0.142465	11,886	0.254518	21,235	1.008746	84,162		
Dungeness Crab - Small Vessels	0	0.509510	0	0.174723	0	0.218238	0	0.902471	0		
Dungeness Crab - M & L Vessels	214,260	0.748767	160,431	0.074835	16,034	0.297768	63,800	1.121370	240,265		
Longline	34,541	0.631783	21,822	0.124293	4,293	0.261458	9,031	1.017534	35,147		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	2,922	0.250081	731	0.284974	833	0.127699	373	0.662753	1,937		
Hook & Line Live	0	0.311429	0	0.240612	0	0.147746	0	0.699787	0		
Lobster & Crab	0	0.489597	0	0.188616	0	0.217910	0	0.896123	0		
Nearshore & Groundfish Trap	0	0.348149	0	0.213537	0	0.150270	0	0.711956	0		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	61,113	0.904618	55,284	0.030411	1,859	0.370443	22,639	1.305472	79,781		
Total	471,940		312,615		53,534		127,096		454,455		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	1,715	0.685263	1,175	0.040250	69	0.162923	279	0.888436	1,524	
Trawl - Southern California	0	0.440605	0	0.143136	0	0.131086	0	0.714827	0	
CPS Seine	0	0.777638	0	0.027261	0	0.180750	0	0.985648	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	3,268	0.125702	411	0.166893	545	0.065706	215	0.358301	1,171	
Salmon & Albacore	70,689	0.155226	10,973	0.150416	10,633	0.068636	4,852	0.374278	26,457	
Salmon & Dungeness Crab - Small Vessels	0	0.296780	0	0.133040	0	0.096521	0	0.526341	0	
Salmon & Dungeness Crab - M & L Vessels	83,432	0.518545	43,263	0.086277	7,198	0.135820	11,332	0.740642	61,793	
Dungeness Crab - Small Vessels	0	0.413591	0	0.105018	0	0.116460	0	0.635069	0	
Dungeness Crab - M & L Vessels	214,260	0.662628	141,975	0.044972	9,636	0.158900	34,046	0.866499	185,656	
Longline	34,541	0.546723	18,884	0.074590	2,576	0.139523	4,819	0.760837	26,280	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	2,922	0.131535	384	0.171921	502	0.068145	199	0.371601	1,086	
Hook & Line Live	0	0.206131	0	0.144965	0	0.078843	0	0.429939	0	
Lobster & Crab	0	0.404765	0	0.113064	0	0.116285	0	0.634114	0	
Nearshore & Groundfish Trap	0	0.228048	0	0.129045	0	0.080190	0	0.437283	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	61,113	0.862077	52,684	0.018222	1,114	0.197682	12,081	1.077980	65,879	
Total	471,940		269,750		32,274		67,823		369,846	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	Total	Total
Trawl - Northern California	1,715	0.022079	38	0.016476	28	0.110506	190	0.149060	256		
Trawl - Southern California	0	0.019146	0	0.065072	0	0.088912	0	0.173129	0		
CPS Seine	0	0.014124	0	0.011278	0	0.122597	0	0.147999	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	3,268	0.051220	167	0.069529	227	0.044566	146	0.165316	540		
Salmon & Albacore	70,689	0.067682	4,784	0.062573	4,423	0.046554	3,291	0.176809	12,498		
Salmon & Dungeness Crab - Small Vessels	0	0.006023	0	0.058228	0	0.065467	0	0.129718	0		
Salmon & Dungeness Crab - M & L Vessels	83,432	0.029531	2,464	0.035458	2,958	0.092123	7,686	0.157112	13,108		
Dungeness Crab - Small Vessels	0	0.012144	0	0.045786	0	0.078991	0	0.136921	0		
Dungeness Crab - M & L Vessels	214,260	0.018486	3,961	0.019082	4,089	0.107777	23,092	0.145345	31,142		
Longline	34,541	0.025427	878	0.031380	1,084	0.094634	3,269	0.151441	5,231		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	2,922	0.030701	90	0.073702	215	0.046221	135	0.150624	440		
Hook & Line Live	0	0.029771	0	0.061124	0	0.053477	0	0.144372	0		
Lobster & Crab	0	0.017766	0	0.049442	0	0.078873	0	0.146081	0		
Nearshore & Groundfish Trap	0	0.039319	0	0.053391	0	0.054390	0	0.147100	0		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	61,113	0.012059	737	0.007626	466	0.134081	8,194	0.153766	9,397		
Total	471,940		13,119		13,491		46,002		72,612		

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Indirect	
Trawl - Northern California	1,213	97	469		1,779
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	578	773	360		1,711
Salmon & Albacore	15,757	15,056	8,143		38,956
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	45,727	10,157	19,018		74,901
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	145,935	13,724	57,138		216,798
Longline	19,763	3,660	8,088		31,511
Harpoon/Spear	0	0	0	0	0
Hook & Line	474	718	334		1,526
Hook & Line Live	0	0	0	0	0
Lobster & Crab	0	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	53,421	1,580	20,275		75,276
Total	282,869	45,764	113,825		442,458

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Direct	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0.001715	8.736757	0.01498	0.656263	0.00113	3.379006	0.00579	12.772026	0.02190		
Trawl - Southern California	0	29.967974	0.00000	2.761290	0.00000	2.718717	0.00000	35.447981	0.00000		
CPS Seine	0	4.207363	0.00000	0.451229	0.00000	3.748734	0.00000	8.407327	0.00000		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon	0.003268	120.898643	0.39510	2.829132	0.00925	1.362734	0.00445	125.090510	0.40880		
Salmon & Albacore	0.070689	110.636940	7.82081	2.472313	0.17477	1.423498	0.10063	114.532751	8.09621		
Salmon & Dungeness Crab - Small Vessels	0	43.188519	0.00000	2.211048	0.00000	2.001845	0.00000	47.401411	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.083432	13.202218	1.10149	1.431460	0.11943	2.816898	0.23502	17.450576	1.45594		
Dungeness Crab - Small Vessels	0	43.291538	0.00000	1.773384	0.00000	2.415368	0.00000	47.480290	0.00000		
Dungeness Crab - M & L Vessels	0.21426	8.422163	1.80453	0.730001	0.15641	3.295571	0.70611	12.447736	2.66705		
Longline	0.034541	38.488331	1.32943	1.229481	0.04247	2.893705	0.09995	42.611517	1.47184		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0.002922	432.531250	1.26386	3.015350	0.00881	1.413317	0.00413	436.959917	1.27680		
Hook & Line Live	0	151.964279	0.00000	2.460144	0.00000	1.635195	0.00000	156.059618	0.00000		
Lobster & Crab	0	21.613619	0.00000	1.982088	0.00000	2.411740	0.00000	26.007447	0.00000		
Nearshore & Groundfish Trap	0	81.873436	0.00000	2.136894	0.00000	1.663126	0.00000	85.673456	0.00000		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Tuna/Other Seine	0.061113	8.543684	0.52213	0.293364	0.01793	4.099904	0.25056	12.936951	0.79062		

Santa Cruz County - GFNMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total	Output	Total
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output			
Trawl - Northern California	0	1.000000	0	0.114382	0	0.516963	0	1.631345	0	0	0	
Trawl - Southern California	0	1.000000	0	0.390237	0	0.412114	0	1.802351	0	0	0	
CPS Seine	0	1.000000	0	0.077755	0	0.573022	0	1.650777	0	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0	
Other Gillnet	0	1.000000	0	0.449330	0	0.335450	0	1.784780	0	0	0	
Salmon	0	1.000000	0	0.484364	0	0.211080	0	1.695444	0	0	0	
Salmon & Albacore	4,126	1.000000	4,126	0.452045	1,865	0.222877	920	1.674923	6,911	0	6,911	
Salmon & Dungeness Crab - Small Vessels	0	1.000000	0	0.390740	0	0.307139	0	1.697879	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	16,080	1.000000	16,080	0.270410	4,348	0.434939	6,994	1.705349	27,422	0	27,422	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0	
Dungeness Crab - M & L Vessels	0	1.000000	0	0.147946	0	0.506381	0	1.654327	0	0	0	
Longline	0	1.000000	0	0.237109	0	0.445963	0	1.683072	0	0	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0	
Hook & Line	0	1.000000	0	0.514705	0	0.219152	0	1.733857	0	0	0	
Hook & Line Live	0	1.000000	0	0.490152	0	0.260053	0	1.750205	0	0	0	
Lobster & Crab	0	1.000000	0	0.371765	0	0.374581	0	1.746346	0	0	0	
Nearshore & Groundfish Trap	0	1.000000	0	0.455974	0	0.266720	0	1.722694	0	0	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0	
Total	20,206		20,206		6,213		7,913		34,333		34,333	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier
Trawl - Northern California	0	0.764286	0	0.069709	0	0.324881	0	1.158877	0
Trawl - Southern California	0	0.510484	0	0.233483	0	0.258989	0	1.002956	0
CPS Seine	0	0.860315	0	0.046721	0	0.360110	0	1.267146	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.405451	0	0.268445	0	0.210811	0	0.884707	0
Salmon	0	0.251004	0	0.283437	0	0.132652	0	0.667092	0
Salmon & Albacore	4,126	0.299566	1,236	0.263781	1,088	0.140065	578	0.703413	2,902
Salmon & Dungeness Crab - Small Vessels	0	0.383289	0	0.228351	0	0.193019	0	0.804659	0
Salmon & Dungeness Crab - M & L Vessels	16,080	0.611761	9,837	0.154134	2,478	0.273334	4,395	1.039229	16,711
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.748781	0	0.082333	0	0.318231	0	1.149345	0
Longline	0	0.631680	0	0.134350	0	0.280262	0	1.046292	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.250111	0	0.293486	0	0.137724	0	0.681321	0
Hook & Line Live	0	0.311578	0	0.264234	0	0.163428	0	0.739240	0
Lobster & Crab	0	0.489126	0	0.202602	0	0.235402	0	0.927131	0
Nearshore & Groundfish Trap	0	0.348554	0	0.242464	0	0.167618	0	0.758637	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	20,206		11,073		3,567		4,973		19,613

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685318	0	0.041570	0	0.170053	0	0.896941	0
Trawl - Southern California	0	0.440468	0	0.138993	0	0.135563	0	0.715025	0
CPS Seine	0	0.777726	0	0.027984	0	0.188493	0	0.994203	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.311628	0	0.160040	0	0.110345	0	0.582012	0
Salmon	0	0.125699	0	0.171095	0	0.069434	0	0.366228	0
Salmon & Albacore	4,126	0.155228	640	0.158153	653	0.073315	302	0.386696	1,596
Salmon & Dungeness Crab - Small Vessels	0	0.296616	0	0.135244	0	0.101032	0	0.532892	0
Salmon & Dungeness Crab - M & L Vessels	16,080	0.518544	8,338	0.093011	1,496	0.143071	2,301	0.754627	12,134
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.662628	0	0.049380	0	0.166572	0	0.878579	0
Longline	0	0.546671	0	0.080385	0	0.146698	0	0.773754	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.131558	0	0.176585	0	0.072089	0	0.380232	0
Hook & Line Live	0	0.206199	0	0.159454	0	0.085543	0	0.451196	0
Lobster & Crab	0	0.404918	0	0.121770	0	0.123217	0	0.649905	0
Nearshore & Groundfish Trap	0	0.228302	0	0.146726	0	0.087737	0	0.462765	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	20,206		8,979		2,148		2,603		13,730

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct Multiplier	Direct	Indirect Multiplier	Indirect	Induced Multiplier	Induced	Total Multiplier	Total	
Trawl - Northern California	0	0.022072	0	0.017358	0	0.120083	0	0.159514	0	
Trawl - Southern California	0	0.019071	0	0.063399	0	0.095728	0	0.178199	0	
CPS Seine	0	0.014144	0	0.011819	0	0.133105	0	0.159068	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.036859	0	0.072221	0	0.077920	0	0.187000	0	
Salmon	0	0.051218	0	0.070765	0	0.049031	0	0.171014	0	
Salmon & Albacore	4,126	0.067690	279	0.066658	275	0.051771	214	0.186120	768	
Salmon & Dungeness Crab - Small Vessels	0	0.005778	0	0.058547	0	0.071344	0	0.135670	0	
Salmon & Dungeness Crab - M & L Vessels	16,080	0.029529	475	0.038445	618	0.101030	1,625	0.169004	2,718	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.018491	0	0.021003	0	0.117625	0	0.157119	0	
Longline	0	0.025372	0	0.033884	0	0.103591	0	0.162847	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	0	0.030701	0	0.075362	0	0.050906	0	0.156969	0	
Hook & Line Live	0	0.029891	0	0.066492	0	0.060407	0	0.156790	0	
Lobster & Crab	0	0.017917	0	0.052344	0	0.087010	0	0.157270	0	
Nearshore & Groundfish Trap	0	0.039335	0	0.060494	0	0.061955	0	0.161784	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	20,206		754		893		1,838		3,486	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Indirect	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	0	0	0	0	0
Salmon & Albacore	920	928	516	0	2,363
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	8,813	2,114	3,925	0	14,852
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0
Longline	0	0	0	0	0
Harpoon/Spear	0	0	0	0	0
Hook & Line	0	0	0	0	0
Hook & Line Live	0	0	0	0	0
Lobster & Crab	0	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	0	0	0	0	0
Total	9,733	3,041	4,441	0	17,215

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	0	8.741827	0.00000	0.898051	0.00000	4.487220	0.00000	14.127098	0.00000		
Trawl - Southern California	0	30.049648	0.00000	3.958801	0.00000	3.577132	0.00000	37.585582	0.00000		
CPS Seine	0	4.205796	0.00000	0.626240	0.00000	4.973804	0.00000	9.805841	0.00000		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	23.411371	0.00000	4.392513	0.00000	2.911693	0.00000	30.715578	0.00000		
Salmon	0	120.903542	0.00000	3.934082	0.00000	1.832164	0.00000	126.669788	0.00000		
Salmon & Albacore	0.004126	110.627708	0.45645	3.533493	0.01458	1.934561	0.00798	116.095763	0.47901		
Salmon & Dungeness Crab - Small Vessels	0	42.389210	0.00000	3.045357	0.00000	2.665955	0.00000	48.100522	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.01608	13.203362	0.21231	2.099027	0.03375	3.775252	0.06071	19.077640	0.30677		
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - M & L Vessels	0	8.399440	0.00000	1.112666	0.00000	4.395363	0.00000	13.907469	0.00000		
Longline	0	38.451477	0.00000	1.805027	0.00000	3.870943	0.00000	44.127447	0.00000		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0	432.527679	0.00000	4.349060	0.00000	1.902229	0.00000	438.778968	0.00000		
Hook & Line Live	0	151.975693	0.00000	3.797363	0.00000	2.257245	0.00000	158.030301	0.00000		
Lobster & Crab	0	21.505377	0.00000	3.065529	0.00000	3.251348	0.00000	27.822254	0.00000		
Nearshore & Groundfish Trap	0	81.875099	0.00000	3.420975	0.00000	2.315122	0.00000	87.611196	0.00000		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Total			0.66876		0.04833		0.06869		0.78578		

Solano County - GFNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	0	0	1.000000	0.111392	0	0	0.504838	0	1.616230	0	0	0
Trawl - Southern California	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
CPS Seine	0	0	1.000000	0.077106	0	0	0.562517	0	1.639624	0	0	0
Herring Gillnet	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Other Gillnet	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Salmon	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Salmon & Albacore	0	0	1.000000	0.436615	0	0	0.255488	0	1.692103	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Salmon & Dungeness Crab - M & L Vessels	68,588	0	1.000000	0.236768	16,239	0	0.417539	28,638	1.654308	113,466	0	0
Dungeness Crab - Small Vessels	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Dungeness Crab - M & L Vessels	1,602,919	0	1.000000	0.128198	205,491	0	0.493013	790,260	1.621211	2,598,670	0	0
Longline	0	0	1.000000	0.213430	0	0	0.426694	0	1.640125	0	0	0
Harpoon/Spear	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Hook & Line	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Hook & Line Live	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Lobster & Crab	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Nearshore & Groundfish Trap	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Prawn Trap	0	0	1.000000	0.160549	0	0	0.441416	0	1.601965	0	0	0
Sea Urchin	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Tuna/Other Seine	0	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	0	0
Total	1,671,507	0	1,671,507	221,730	221,730	0	818,898	2,712,136	0	0	0	0

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764255	0	0.060773	0	0.310112	0	1.135140	0		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.860855	0	0.041671	0	0.345544	0	1.248069	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Albacore	0	0.299556	0	0.251240	0	0.157599	0	0.708394	0		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	68,588	0.611902	41,969	0.130217	8,931	0.256486	17,592	0.998605	68,492		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	1,602,919	0.749400	1,201,227	0.069337	111,142	0.302849	485,442	1.121586	1,797,812		
Longline	0	0.626722	0	0.113870	0	0.262110	0	1.002702	0		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Prawn Trap	0	0.689727	0	0.086863	0	0.271153	0	1.047743	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	1,671,507		1,243,197		120,073		503,034		1,866,304		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Direct	Indirect	Direct	Indirect	Induced	Induced	Multiplier	Total	
Trawl - Northern California	0	0.685292	0	0	0	0.157538	0	0.879223	0	
Trawl - Southern California	0	0.000000	0	0	0	0.000000	0	0.000000	0	
CPS Seine	0	0.779013	0	0	0	0.175538	0	0.979677	0	
Herring Gillnet	0	0.000000	0	0	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0	0	0.000000	0	0.000000	0	
Salmon	0	0.000000	0	0	0	0.000000	0	0.000000	0	
Salmon & Albacore	0	0.155222	0	0	0	0.085591	0	0.392741	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - M & L Vessels	68,588	0.518660	0.078229	5,366	0.130296	8,937	0.727185	49,876	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	1,602,919	0.663422	0.041359	66,295	0.153848	246,606	0.858630	1,376,314	0	
Longline	0	0.542293	0.067683	0	0.133153	0	0.743129	0	0	
Harpoon/Spear	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Hook & Line	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Hook & Line Live	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Lobster & Crab	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Nearshore & Groundfish Trap	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Prawn Trap	0	0.579110	0.051911	0	0.137747	0	0.768767	0	0	
Sea Urchin	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Tuna/Other Seine	0	0.000000	0	0	0.000000	0	0.000000	0	0	
Total	1,671,507			1,098,986		71,661		255,543	1,426,191	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.509784	0	0.004135	0	0.018018	0	0.531936	0	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
CPS Seine	0	0.697171	0	0.002786	0	0.020077	0	0.720034	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon & Albacore	0	0.067689	0	0.062895	0	0.055859	0	0.186444	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon & Dungeness Crab - M & L Vessels	68,588	0.424446	29,112	0.008563	587	0.014902	1,022	0.447912	30,721	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	1,602,919	0.537941	862,276	0.004645	7,446	0.017596	28,205	0.560183	897,928	0	
Longline	0	0.311737	0	0.007865	0	0.015229	0	0.334832	0	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Prawn Trap	0	0.508265	0	0.005763	0	0.015754	0	0.529783	0	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	1,671,507		891,388		8,033		29,227		928,649		

Operational Category	Total Income		Total Income Induced	Total Income Total
	Direct	Indirect		
Trawl - Northern California	0	0	0	0
Trawl - Southern California	0	0	0	0
CPS Seine	0	0	0	0
Herring Gillnet	0	0	0	0
Other Gillnet	0	0	0	0
Salmon	0	0	0	0
Salmon & Albacore	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	64,586	5,953	9,959	80,598
Dungeness Crab - Small Vessels	0	0	0	0
Dungeness Crab - M & L Vessels	1,925,688	73,741	274,811	2,274,242
Longline	0	0	0	0
Harpoon/Spear	0	0	0	0
Hook & Line	0	0	0	0
Hook & Line Live	0	0	0	0
Lobster & Crab	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0
Prawn Trap	0	0	0	0
Sea Urchin	0	0	0	0
Tuna/Other Seine	0	0	0	0
Total	1,990,373	79,694	284,770	2,354,840

Operational Category	Output	Employment		Employment		Employment		Employment		Total Multiplier	Employment Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0	8.741587	0.00000	0.829439	0.00000	4.392569	0.00000	13.963594	0.00000		
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
CPS Seine	0	4.545455	0.00000	0.583671	0.00000	4.894437	0.00000	10.023562	0.00000		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon & Albacore	0	110.636955	0.00000	3.394501	0.00000	2.190070	0.00000	116.221526	0.00000		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.068588	13.272904	0.91036	1.810180	0.12416	3.632990	0.24918	18.716074	1.28370		
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - M & L Vessels	1.602919	8.130082	13.03186	0.938334	1.50407	4.289684	6.87602	13.358100	21.41195		
Longline	0	39.087948	0.00000	1.565384	0.00000	3.712648	0.00000	44.365980	0.00000		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line Live	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Prawn Trap	0	9.264978	0.00000	1.156090	0.00000	3.840736	0.00000	14.261804	0.00000		
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Total			13.94222		1.62823		7.12520		22.69565		

Sonoma County - GFNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Check	Output	Check	
Trawl - Northern California	0	0	0	0	0	0	0	0	1.710831	0	0	0	0	
Trawl - Southern California	0	0	0	0	0	0	0	0	0.000000	0	0	0	0	
CPS Seine	0	0	0	0	0	0	0	0	0.000000	0	0	0	0	
Herring Gillnet	0	0	0	0	0	0	0	0	0.000000	0	0	0	0	
Other Gillnet	0	0	0	0	0	0	0	0	0.000000	0	0	0	0	
Salmon	3,388	3,388	3,388	0	1,544	0	0	806	1.802666	0	0	0	0	
Salmon & Albacore	436,227	436,227	436,227	190,463	1,544	0	0	806	1.693593	5,738	5,738	0	5,738	
Salmon & Dungeness Crab - Small Vessels	12,943	12,943	12,943	4,836	4,836	0	0	4,583	1.692103	738,141	738,141	0	738,141	
Salmon & Dungeness Crab - M & L Vessels	3,119,428	3,119,428	3,119,428	799,260	799,260	0	0	1,573,533	1.727697	22,362	22,362	0	22,362	
Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	1.722615	0	0	0	0	
Dungeness Crab - M & L Vessels	1,726,421	1,726,421	1,726,421	246,681	246,681	0	0	1,019,930	1.733664	2,993,034	2,993,034	0	2,993,034	
Longline	0	0	0	0	0	0	0	0	1.747084	0	0	0	0	
Harpoon/Spear	0	0	0	0	0	0	0	0	0.000000	0	0	0	0	
Hook & Line	2,294	2,294	2,294	1,124	1,124	0	0	572	1.739172	3,990	3,990	0	3,990	
Hook & Line Live	0	0	0	0	0	0	0	0	1.774592	0	0	0	0	
Lobster & Crab	7,083	7,083	7,083	2,526	2,526	0	0	3,077	1.791006	12,686	12,686	0	12,686	
Nearshore & Groundfish Trap	2,018	2,018	2,018	886	886	0	0	621	1.747059	3,526	3,526	0	3,526	
Prawn Trap	0	0	0	0	0	0	0	0	1.609168	0	0	0	0	
Sea Urchin	0	0	0	0	0	0	0	0	1.690545	0	0	0	0	
Tuna/Other Seine	0	0	0	0	0	0	0	0	0.000000	0	0	0	0	
Total	5,309,802	5,309,802	5,309,802	1,247,320	1,247,320	0	0	2,714,572	0.000000	9,271,696	9,271,696	0	9,271,696	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764228	0	0.065292	0	0.371704	0	1.201224	0		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.400729	0	0.249999	0	0.235441	0	0.886169	0		
Salmon	3,388	0.251006	850	0.264187	895	0.146682	497	0.661875	2,242		
Salmon & Albacore	436,227	0.299556	130,674	0.251240	109,598	0.157599	68,749	0.708394	309,021		
Salmon & Dungeness Crab - Small Vessels	12,943	0.383800	4,968	0.216055	2,796	0.218405	2,827	0.818261	10,591		
Salmon & Dungeness Crab - M & L Vessels	3,119,428	0.611761	1,908,344	0.144189	449,787	0.311160	970,641	1.067110	3,328,773		
Dungeness Crab - Small Vessels	0	0.509412	0	0.167409	0	0.264143	0	0.940965	0		
Dungeness Crab - M & L Vessels	1,726,421	0.748769	1,292,691	0.078335	135,239	0.364423	629,148	1.191526	2,057,076		
Longline	0	0.631801	0	0.127471	0	0.320159	0	1.079431	0		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	2,294	0.250067	574	0.276526	634	0.153737	353	0.680330	1,561		
Hook & Line Live	0	0.311479	0	0.252213	0	0.185308	0	0.749000	0		
Lobster & Crab	7,083	0.489393	3,466	0.192047	1,360	0.267972	1,898	0.949412	6,725		
Nearshore & Groundfish Trap	2,018	0.348492	703	0.230048	464	0.189952	383	0.768492	1,551		
Prawn Trap	0	0.689703	0	0.067159	0	0.291179	0	1.048041	0		
Sea Urchin	0	0.422954	0	0.201531	0	0.217700	0	0.842185	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	5,309,802		3,342,271		700,774		1,674,495		5,717,538		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	0	0.685261	0	0.039167	0	0.201869	0	0.926298	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.308758	0	0.150103	0	0.127866	0	0.586727	0	
Salmon	3,388	0.125703	426	0.160172	543	0.079662	270	0.365537	1,238	
Salmon & Albacore	436,227	0.155222	67,712	0.151928	66,275	0.085591	37,337	0.392741	171,324	
Salmon & Dungeness Crab - Small Vessels	12,943	0.296872	3,842	0.128787	1,667	0.118614	1,535	0.544273	7,045	
Salmon & Dungeness Crab - M & L Vessels	3,119,428	0.518544	1,617,561	0.087887	274,157	0.168988	527,146	0.775420	2,418,867	
Dungeness Crab - Small Vessels	0	0.413527	0	0.101273	0	0.143454	0	0.658254	0	
Dungeness Crab - M & L Vessels	1,726,421	0.662630	1,143,978	0.047609	82,193	0.197915	341,685	0.908154	1,567,856	
Longline	0	0.546739	0	0.077232	0	0.173876	0	0.797846	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	2,294	0.131514	302	0.168111	386	0.083493	192	0.383118	879	
Hook & Line Live	0	0.206165	0	0.154990	0	0.100639	0	0.461794	0	
Lobster & Crab	7,083	0.404806	2,867	0.117455	832	0.145533	1,031	0.667795	4,730	
Nearshore & Groundfish Trap	2,018	0.228169	460	0.142036	287	0.103161	208	0.473366	955	
Prawn Trap	0	0.579096	0	0.039919	0	0.148350	0	0.767365	0	
Sea Urchin	0	0.303375	0	0.120909	0	0.118231	0	0.542515	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	5,309,802		2,837,149		426,339		909,403		4,172,894	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.0222081	0	0.016124	0	0.131747	0	0.169951	0	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.039416	0	0.066568	0	0.083450	0	0.189433	0	0	
Salmon	3,388	0.051219	174	0.065663	222	0.051990	176	0.168872	572	0	
Salmon & Albacore	436,227	0.067689	29,528	0.062895	27,436	0.055859	24,367	0.186444	81,332	0	
Salmon & Dungeness Crab - Small Vessels	12,943	0.006077	79	0.055181	714	0.077411	1,002	0.138670	1,795	0	
Salmon & Dungeness Crab - M & L Vessels	3,119,428	0.029530	92,117	0.035330	110,209	0.110287	344,032	0.175147	546,358	0	
Dungeness Crab - Small Vessels	0	0.012115	0	0.042516	0	0.093623	0	0.148254	0	0	
Dungeness Crab - M & L Vessels	1,726,421	0.018485	31,913	0.019599	33,836	0.129166	222,995	0.167250	288,744	0	
Longline	0	0.025454	0	0.031536	0	0.113477	0	0.170466	0	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	2,294	0.030690	70	0.069946	160	0.05490	125	0.155127	356	0	
Hook & Line Live	0	0.029802	0	0.061542	0	0.065681	0	0.157024	0	0	
Lobster & Crab	7,083	0.018126	128	0.048211	341	0.094980	673	0.161316	1,143	0	
Nearshore & Groundfish Trap	2,018	0.039217	79	0.055284	112	0.067326	136	0.161827	327	0	
Prawn Trap	0	0.019636	0	0.017402	0	0.111385	0	0.148422	0	0	
Sea Urchin	0	0.029203	0	0.051110	0	0.077161	0	0.157474	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	5,309,802		154,087		173,032		593,506		920,626		

Operational Category	Total Income		Total Income Induced	Total Income Total
	Direct	Indirect		
Trawl - Northern California	0	0	0	0
Trawl - Southern California	0	0	0	0
CPS Seine	0	0	0	0
Herring Gillnet	0	0	0	0
Other Gillnet	0	0	0	0
Salmon	599	765	446	1,811
Salmon & Albacore	97,240	93,712	61,704	252,656
Salmon & Dungeness Crab - Small Vessels	3,921	2,381	2,537	8,839
Salmon & Dungeness Crab - M & L Vessels	1,709,677	384,367	871,178	2,965,225
Dungeness Crab - Small Vessels	0	0	0	0
Dungeness Crab - M & L Vessels	1,175,891	116,029	564,680	1,856,600
Longline	0	0	0	0
Harpoon/Spear	0	0	0	0
Hook & Line	372	546	317	1,235
Hook & Line Live	0	0	0	0
Lobster & Crab	2,996	1,173	1,704	5,873
Nearshore & Groundfish Trap	540	398	344	1,282
Prawn Trap	0	0	0	0
Sea Urchin	0	0	0	0
Tuna/Other Seine	0	0	0	0
Total	2,991,236	599,371	1,502,909	5,093,521

Operational Category	Output	Employment		Employment		Employment		Employment	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0	8.735024	0.862211	0.00000	0.00000	5.165397	0.00000	14.762633	0.00000
Trawl - Southern California	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	26.315792	4.001234	0.00000	0.00000	3.271816	0.00000	33.588843	0.00000
Salmon	0.0033388	120.900063	3.737411	0.01266	0.01266	2.038376	0.00691	126.675850	0.42918
Salmon & Albacore	0.436227	110.636955	3.394501	1.48077	1.48077	2.190070	0.95537	116.221526	50.69897
Salmon & Dungeness Crab - Small Vessels	0.012943	43.207283	2.938011	0.03803	0.03803	3.035078	0.03928	49.180372	0.63654
Salmon & Dungeness Crab - M & L Vessels	3.119428	13.202480	1.995654	6.22530	6.22530	4.324040	13.48853	19.522175	60.89802
Dungeness Crab - Small Vessels	0	43.286659	2.355862	0.00000	0.00000	3.670676	0.00000	49.313197	0.00000
Dungeness Crab - M & L Vessels	1.726421	8.422889	1.060717	1.83124	1.83124	5.064218	8.74297	14.547823	25.11567
Longline	0	38.503994	1.734779	0.00000	0.00000	4.449099	0.00000	44.687872	0.00000
Harpoon/Spear	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.002294	432.531006	4.082123	0.00936	0.00936	2.136414	0.00490	438.749542	1.00649
Hook & Line Live	0	151.957977	3.617172	0.00000	0.00000	2.575144	0.00000	158.150293	0.00000
Lobster & Crab	0.007083	21.148037	2.856930	0.02024	0.02024	3.723882	0.02638	27.728848	0.19640
Nearshore & Groundfish Trap	0.002018	81.996429	3.245178	0.00655	0.00655	2.639670	0.00533	87.881278	0.17734
Prawn Trap	0	0.090972	0.009838	0.00000	0.00000	0.031444	0.00000	0.132254	0.00000
Sea Urchin	0	38.057018	2.783878	0.00000	0.00000	3.025276	0.00000	43.866173	0.00000
Tuna/Other Seine	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Total				106.26479	9.62415		23.26966		139.15861

MBNMS 2012 COFHE Model

Alameda County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	
Trawl - Northern California	0	1.000000	0	0.122709	0	0.602213	0	1.724922	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	0	1.000000	0	0.511783	0	0.251595	0	1.763378	0	
Salmon & Albacore	496	1.000000	496	0.467697	232	0.138048	68	1.605746	796	
Salmon & Dungeness Crab - Small Vessels	558	1.000000	558	0.406772	227	0.361013	201	1.767785	986	
Salmon & Dungeness Crab - M & L Vessels	27,652	1.000000	27,652	0.269473	7,451	0.507051	14,021	1.776524	49,124	
Dungeness Crab - Small Vessels	97,214	1.000000	97,214	0.268127	26,066	0.256113	24,898	1.524240	148,177	
Dungeness Crab - M & L Vessels	14,557	1.000000	14,557	0.143632	2,091	0.588733	8,570	1.732365	25,218	
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	471	1.000000	471	0.491968	232	0.252415	119	1.744383	822	
Hook & Line Live	0	1.000000	0	0.433843	0	0.297127	0	1.730970	0	
Lobster & Crab	12,044	1.000000	12,044	0.317641	3,826	0.432727	5,212	1.750368	21,081	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	152,992		152,992		40,124		53,089		246,206	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier		
Trawl - Northern California	0	0.763987	0	0.072793	0	0.375335	0	1.212116	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.250906	0	0.291105	0	0.156809	0	0.698820	0
Salmon & Albacore	496	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	558	0.383818	214	0.232249	130	0.225005	126	0.841072	469
Salmon & Dungeness Crab - M & L Vessels	27,652	0.611706	16,915	0.155750	4,307	0.316025	8,739	1.083481	29,960
Dungeness Crab - Small Vessels	97,214	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	14,557	0.748734	10,899	0.083058	1,209	0.366934	5,341	1.198726	17,450
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	471	0.250092	118	0.282658	133	0.157321	74	0.690071	325
Hook & Line Live	0	0.311059	0	0.251509	0	0.185188	0	0.747756	0
Lobster & Crab	12,044	0.492934	5,937	0.185605	2,235	0.269701	3,248	0.948240	11,421
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685024	0	0.0044659	0	0.205398	0	0.935081	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125651	0	0.179199	0	0.085812	0	0.390662	0
Salmon & Albacore	496	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - Small Vessels	558	0.296860	166	0.140568	78	0.123131	69	0.560560	313
Salmon & Dungeness Crab - M & L Vessels	27,652	0.518548	14,339	0.095831	2,650	0.172941	4,782	0.787320	21,771
Dungeness Crab - Small Vessels	97,214	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	14,557	0.662398	9,645	0.050752	739	0.200800	2,923	0.914151	13,307
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	471	0.131544	62	0.174300	82	0.086092	41	0.391936	185
Hook & Line Live	0	0.205777	0	0.154243	0	0.101342	0	0.461362	0
Lobster & Crab	12,044	0.410778	4,947	0.113544	1,368	0.147591	1,778	0.671913	8,093
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	
Trawl - Northern California	0	0.021934	0	0.017607	0	0.131875	0	0.171416	0	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon	0	0.051186	0	0.072079	0	0.055095	0	0.178361	0	
Salmon & Albacore	496	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Salmon & Dungeness Crab - Small Vessels	558	0.006121	3	0.059279	33	0.079056	44	0.144456	81	
Salmon & Dungeness Crab - M & L Vessels	27,652	0.029517	816	0.038229	1,057	0.111036	3,070	0.178782	4,944	
Dungeness Crab - Small Vessels	97,214	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	14,557	0.018492	269	0.020913	304	0.128923	1,877	0.168329	2,450	
Longline	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	471	0.030713	14	0.070718	33	0.055275	26	0.156706	74	
Hook & Line Live	0	0.029670	0	0.062597	0	0.065066	0	0.157333	0	
Lobster & Crab	12,044	0.016431	198	0.047113	567	0.094760	1,141	0.158305	1,907	
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Total	152,992		1,301		1,995		6,159		9,455	

Operational Category	Total Income		Total Income Induced	Total Income Total
	Direct	Indirect		
Trawl - Northern California	0	0	0	0
Trawl - Southern California	0	0	0	0
CPS Seine	0	0	0	0
Herring Gillnet	0	0	0	0
Other Gillnet	0	0	0	0
Salmon	0	0	0	0
Salmon & Albacore	0	0	0	0
Salmon & Dungeness Crab - Small Vessels	169	112	113	393
Salmon & Dungeness Crab - M & L Vessels	15,155	3,707	7,853	26,715
Dungeness Crab - Small Vessels	0	0	0	0
Dungeness Crab - M & L Vessels	9,915	1,043	4,800	15,758
Longline	0	0	0	0
Harpoon/Spear	0	0	0	0
Hook & Line	76	115	67	258
Hook & Line Live	0	0	0	0
Lobster & Crab	5,145	1,935	2,919	9,999
Nearshore & Groundfish Trap	0	0	0	0
Prawn Trap	0	0	0	0
Sea Urchin	0	0	0	0
Tuna/Other Seine	0	0	0	0
Total	30,461	6,912	15,751	53,123

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.774891	0.00000	0.804110	0.00000	4.421512	0.00000	14.000512	0.00000
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0	120.899467	0.00000	3.340973	0.00000	1.847238	0.00000	126.087678	0.00000
Salmon & Albacore	0.000496	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon & Dungeness Crab - Small Vessels	0.000558	43.161671	0.02408	2.621208	0.00146	2.650596	0.00148	48.433475	0.02703
Salmon & Dungeness Crab - M & L Vessels	0.027652	13.222919	0.36564	1.738490	0.04807	3.722824	0.10294	18.684233	0.51666
Dungeness Crab - Small Vessels	0.097214	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0.014557	8.420818	0.12258	0.899410	0.01309	4.322544	0.06292	13.642773	0.19860
Longline	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.000471	432.534515	0.20372	3.415497	0.00161	1.853262	0.00087	437.803275	0.20621
Hook & Line Live	0	151.747238	0.00000	2.891785	0.00000	2.181543	0.00000	156.820566	0.00000
Lobster & Crab	0.012044	16.393444	0.19744	2.223156	0.02678	3.177126	0.03827	21.793726	0.26248
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			0.91347		0.09101		0.20648		1.21097

Marin County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	0	0	0	0.091736	0	0	0	0.465092	0	1.556828	0	0
Trawl - Southern California	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
CPS Seine	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Herring Gillnet	0	0	0	0.275802	0	0	0	0.131598	0	1.407400	0	0
Other Gillnet	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Salmon	77	77	77	0.338397	26	0	13	0.163608	13	1.502005	116	0
Salmon & Albacore	2,173	2,173	2,173	0.338397	735	0	356	0.163608	356	1.502005	3,264	0
Salmon & Dungeness Crab - Small Vessels	5,307	5,307	5,307	0.268127	1,423	0	1,359	0.256113	1,359	1.524240	8,089	0
Salmon & Dungeness Crab - M & L Vessels	603	603	603	0.188270	114	0	230	0.380767	230	1.569037	946	0
Dungeness Crab - Small Vessels	0	0	0	0.202075	0	0	0	0.315988	0	1.518063	0	0
Dungeness Crab - M & L Vessels	0	0	0	0.101138	0	0	0	0.452376	0	1.553514	0	0
Longline	0	0	0	0.165079	0	0	0	0.393033	0	1.558113	0	0
Harpoon/Spear	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Hook & Line	2,198	2,198	2,198	0.327002	719	0	360	0.163838	360	1.490839	3,277	0
Hook & Line Live	0	0	0	0.296048	0	0	0	0.205101	0	1.501150	0	0
Lobster & Crab	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Nearshore & Groundfish Trap	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Prawn Trap	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Sea Urchin	0	0	0	0.000000	0	0	0	0.000000	0	0.000000	0	0
Tuna/Other Seine	2,951	2,951	2,951	0.049265	145	0	1,697	0.575218	1,697	1.624483	4,794	0
Total	13,309	13,309	13,309	0.049265	3,162	0	4,014	0.575218	4,014	1.624483	20,485	0

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.764223	0	0.057452	0	0.305280	0	1.126956	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.249697	0	0.171916	0	0.086379	0	0.507992	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	77	0.251030	19	0.210913	16	0.107390	8	0.569333	44
Salmon & Albacore	2,173	0.251030	545	0.210913	458	0.107390	233	0.569333	1,237
Salmon & Dungeness Crab - Small Vessels	5,307	0.383788	2,037	0.168286	893	0.168109	892	0.720184	3,822
Salmon & Dungeness Crab - M & L Vessels	603	0.611769	369	0.117133	71	0.249931	151	0.978833	590
Dungeness Crab - Small Vessels	0	0.509404	0	0.125556	0	0.207410	0	0.842370	0
Dungeness Crab - M & L Vessels	0	0.748697	0	0.062488	0	0.296933	0	1.108119	0
Longline	0	0.631783	0	0.102933	0	0.257982	0	0.992697	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,198	0.250099	550	0.202348	445	0.107541	236	0.559988	1,231
Hook & Line Live	0	0.311829	0	0.184398	0	0.134626	0	0.630853	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	2,951	0.904618	2,670	0.030411	90	0.370443	1,093	1.305472	3,852
Total	13,309		6,190		1,973		2,614		10,777

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	
Trawl - Northern California	0	0.685256		0	0.034440	0	0.162787	0	0.882483	0
Trawl - Southern California	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.099660		0	0.103977	0	0.046061	0	0.249698	0
Other Gillnet	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Salmon	77	0.125722		10	0.127449	10	0.057264	4	0.310435	24
Salmon & Albacore	2,173	0.125722		273	0.127449	277	0.057264	124	0.310435	675
Salmon & Dungeness Crab - Small Vessels	5,307	0.296875		1,576	0.099440	528	0.089642	476	0.485957	2,579
Salmon & Dungeness Crab - M & L Vessels	603	0.518549		313	0.070660	43	0.133273	80	0.722482	436
Dungeness Crab - Small Vessels	0	0.413519		0	0.075448	0	0.110599	0	0.599566	0
Dungeness Crab - M & L Vessels	0	0.662592		0	0.037426	0	0.158336	0	0.858354	0
Longline	0	0.546599		0	0.061591	0	0.137566	0	0.745756	0
Harpoon/Spear	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,198	0.131544		289	0.121982	268	0.057345	126	0.310872	683
Hook & Line Live	0	0.206536		0	0.110843	0	0.071788	0	0.389167	0
Lobster & Crab	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000		0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	2,951	0.862077		2,544	0.018222	54	0.000000	583	1.07980	3,181
Total	13,309			5,004		1,179		1,394		7,578

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.022072	0	0.013985	0	0.111647	0	0.147704	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.054294	0	0.041670	0	0.031590	0	0.127554	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	77	0.051215	4	0.051012	4	0.039275	3	0.141501	11
Salmon & Albacore	2,173	0.051215	111	0.051012	111	0.039275	85	0.141501	307
Salmon & Dungeness Crab - Small Vessels	5,307	0.006072	32	0.041926	223	0.061481	326	0.109479	581
Salmon & Dungeness Crab - M & L Vessels	603	0.029533	18	0.028489	17	0.091405	55	0.149427	90
Dungeness Crab - Small Vessels	0	0.012119	0	0.030833	0	0.075854	0	0.118806	0
Dungeness Crab - M & L Vessels	0	0.018460	0	0.015650	0	0.108594	0	0.142704	0
Longline	0	0.025733	0	0.025329	0	0.094349	0	0.145411	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	2,198	0.030706	67	0.050039	110	0.039330	86	0.120075	264
Hook & Line Live	0	0.029698	0	0.045013	0	0.049235	0	0.123946	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	2,951	0.012059	36	0.007626	23	0.134081	396	0.153766	454
Total	13,309		268		487		952		1,707

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	0	0	0	0	0
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	14	14	7	35	35
Salmon & Albacore	384	388	210	982	982
Salmon & Dungeness Crab - Small Vessels	1,608	750	802	3,160	3,160
Salmon & Dungeness Crab - M & L Vessels	330	60	135	526	526
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0
Longline	0	0	0	0	0
Harpoon/Spear	0	0	0	0	0
Hook & Line	357	378	212	947	947
Hook & Line Live	0	0	0	0	0
Lobster & Crab	0	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0	0
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	2,580	76	979	3,635	3,635
Total	5,273	1,666	2,346	9,285	9,285

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.757106	0.00000	0.578248	0.00000	3.524227	0.00000	12.859581	0.00000
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	212.990799	0.00000	1.827591	0.00000	0.997179	0.00000	215.815569	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0.000077	120.903114	0.00931	2.277069	0.00018	1.239733	0.00010	124.419917	0.00958
Salmon & Albacore	0.002173	120.903114	0.26272	2.277069	0.00495	1.239733	0.00269	124.419917	0.27036
Salmon & Dungeness Crab - Small Vessels	0.005307	43.208855	0.22931	1.698513	0.00901	1.940689	0.01030	46.848057	0.24862
Salmon & Dungeness Crab - M & L Vessels	0.000603	13.201868	0.00796	1.218649	0.00073	2.885258	0.00174	17.305775	0.01044
Dungeness Crab - Small Vessels	0	43.286915	0.00000	1.327858	0.00000	2.394391	0.00000	47.009163	0.00000
Dungeness Crab - M & L Vessels	0	8.402330	0.00000	0.617979	0.00000	3.427868	0.00000	12.448177	0.00000
Longline	0	38.154396	0.00000	1.038830	0.00000	2.978202	0.00000	42.171428	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.002198	432.523010	0.95069	2.260773	0.00497	1.241477	0.00273	436.025260	0.95838
Hook & Line Live	0	152.496628	0.00000	1.957092	0.00000	1.554152	0.00000	156.007872	0.00000
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0.002951	8.543684	0.02521	0.293364	0.00087	4.099904	0.01210	12.936951	0.03818
Total			1.48520		0.02071		0.02966		1.53556

Mendocino County - MBNMS Catch
2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output
Trawl - Northern California	0	0	1.000000	0	0.066325	0	0.449581	0	1.517906	0	0	0
Trawl - Southern California	0	0	1.000000	0	0.131053	0	0.307769	0	1.438822	0	0	0
CPS Seine	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0
Herring Gillnet	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0
Other Gillnet	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	0
Salmon	0	0	1.000000	0	0.279313	0	0.137736	0	1.417049	0	0	0
Salmon & Albacore	0	0	1.000000	0	0.270809	0	0.153911	0	1.424720	0	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	1.000000	0	0.228592	0	0.234462	0	1.463053	0	0	0
Salmon & Dungeness Crab - M & L Vessels	18,128	18,128	1.000000	0.166512	3,019	0.362014	6,563	1.528526	27,709	0	0	0
Dungeness Crab - Small Vessels	0	0	1.000000	0.171500	0	0.296644	0	1.468144	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	1.000000	0.091455	0	0.437646	0	1.529101	0	0	0	0
Longline	0	0	1.000000	0.148810	0	0.375881	0	1.524691	0	0	0	0
Harpoon/Spear	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0	0	0	0
Hook & Line	0	0	1.000000	0.280215	0	0.138980	0	1.419195	0	0	0	0
Hook & Line Live	0	0	1.000000	0.306330	0	0.186843	0	1.493173	0	0	0	0
Lobster & Crab	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0	0	0	0
Nearshore & Groundfish Trap	0	0	1.000000	0.293559	0	0.197561	0	1.491120	0	0	0	0
Prawn Trap	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0	0	0	0
Sea Urchin	0	0	1.000000	0.199818	0	0.235522	0	1.435340	0	0	0	0
Tuna/Other Seine	0	0	0.000000	0.000000	0	0.000000	0	0.000000	0	0	0	0
Total	18,128	18,128			3,019	6,563		27,709				

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	
		Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	Total
Trawl - Northern California	0	0.764225	0	0.039522	0	0.281671	0	1.085418	0
Trawl - Southern California	0	0.509517	0	0.074155	0	0.192823	0	0.776495	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.251004	0	0.150625	0	0.086294	0	0.487923	0
Salmon & Albacore	0	0.299568	0	0.145140	0	0.096428	0	0.541136	0
Salmon & Dungeness Crab - Small Vessels	0	0.383803	0	0.123497	0	0.146895	0	0.654194	0
Salmon & Dungeness Crab - M & L Vessels	18,128	0.611762	11,090	0.085485	1,550	0.226808	4,112	0.924056	16,751
Dungeness Crab - Small Vessels	0	0.509469	0	0.089357	0	0.185853	0	0.784680	0
Dungeness Crab - M & L Vessels	0	0.748769	0	0.044922	0	0.274193	0	1.067884	0
Longline	0	0.631737	0	0.075907	0	0.235497	0	0.943141	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.250078	0	0.143401	0	0.087073	0	0.480553	0
Hook & Line Live	0	0.311455	0	0.142836	0	0.117061	0	0.571352	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.348467	0	0.133754	0	0.123775	0	0.605996	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.422830	0	0.114323	0	0.147559	0	0.684712	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	18,128		11,090		1,550		4,112		16,751

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct Multiplier	Direct	Indirect Multiplier	Indirect	Induced Multiplier	Induced	Total Multiplier	Total
Trawl - Northern California	0	0.685264	0	0.023450	0	0.143421	0	0.852134	0
Trawl - Southern California	0	0.439973	0	0.045190	0	0.098181	0	0.583344	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125702	0	0.091423	0	0.043939	0	0.261064	0
Salmon & Albacore	0	0.155236	0	0.087388	0	0.049099	0	0.291722	0
Salmon & Dungeness Crab - Small Vessels	0	0.296876	0	0.072726	0	0.074796	0	0.444398	0
Salmon & Dungeness Crab - M & L Vessels	18,128	0.518545	9,400	0.052129	945	0.115486	2,094	0.686160	12,439
Dungeness Crab - Small Vessels	0	0.413606	0	0.054020	0	0.094632	0	0.562258	0
Dungeness Crab - M & L Vessels	0	0.662628	0	0.027270	0	0.139613	0	0.829512	0
Longline	0	0.546697	0	0.045837	0	0.119910	0	0.712444	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.131534	0	0.087552	0	0.044336	0	0.263422	0
Hook & Line Live	0	0.206150	0	0.0888387	0	0.059605	0	0.354142	0
Lobster & Crab	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.228288	0	0.083144	0	0.063024	0	0.374456	0
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.303327	0	0.067947	0	0.075134	0	0.446407	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	18,128		9,400		945		2,094		12,439

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0	0.022077	0.009852	0	0	0.107810	0	0.139739	0
Trawl - Southern California	0	0.018450	0.018173	0	0	0.073803	0	0.110426	0
CPS Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Salmon	0	0.051218	0.036717	0	0	0.033029	0	0.120964	0
Salmon & Albacore	0	0.067686	0.036110	0	0	0.036908	0	0.140704	0
Salmon & Dungeness Crab - Small Vessels	0	0.006078	0.031528	0	0	0.056224	0	0.093830	0
Salmon & Dungeness Crab - M & L Vessels	18,128	0.029531	0.020740	535	376	0.086811	1,574	0.137082	2,485
Dungeness Crab - Small Vessels	0	0.012152	0.022312	0	0	0.071135	0	0.105599	0
Dungeness Crab - M & L Vessels	0	0.018486	0.011193	0	0	0.104947	0	0.134626	0
Longline	0	0.025421	0.018668	0	0	0.090136	0	0.134225	0
Harpoon/Spear	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Hook & Line	0	0.030700	0.034982	0	0	0.033327	0	0.099010	0
Hook & Line Live	0	0.029804	0.033773	0	0	0.044805	0	0.108382	0
Lobster & Crab	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Nearshore & Groundfish Trap	0	0.039266	0.031442	0	0	0.047375	0	0.118083	0
Prawn Trap	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Sea Urchin	0	0.029190	0.028801	0	0	0.056478	0	0.114469	0
Tuna/Other Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Total	18,128			535	376		1,574		2,485

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	0	0	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	9,936	1,321	3,667	14,924	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	9,936	1,321	3,667	14,924	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0	8.736550	0.00000	0.621212	0.00000	4.444526	0.00000	13.802289	0.00000		
Trawl - Southern California	0	29.829544	0.00000	1.380180	0.00000	3.042580	0.00000	34.252305	0.00000		
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon	0	120.899529	0.00000	2.563362	0.00000	1.361647	0.00000	124.824538	0.00000		
Salmon & Albacore	0	110.651314	0.00000	2.384941	0.00000	1.521553	0.00000	114.557808	0.00000		
Salmon & Dungeness Crab - Small Vessels	0	43.207561	0.00000	1.942734	0.00000	2.317872	0.00000	47.468167	0.00000		
Salmon & Dungeness Crab - M & L Vessels	0.018128	13.202424	0.23933	1.457029	0.02641	3.578843	0.06488	18.238296	0.33062		
Dungeness Crab - Small Vessels	0	43.354336	0.00000	1.495689	0.00000	2.932604	0.00000	47.782629	0.00000		
Dungeness Crab - M & L Vessels	0	8.421917	0.00000	0.755717	0.00000	4.326534	0.00000	13.504169	0.00000		
Longline	0	38.490429	0.00000	1.250523	0.00000	3.715935	0.00000	43.456887	0.00000		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0	432.532379	0.00000	2.492371	0.00000	1.373944	0.00000	436.398694	0.00000		
Hook & Line Live	0	151.974136	0.00000	2.490570	0.00000	1.847118	0.00000	156.311825	0.00000		
Lobster & Crab	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Nearshore & Groundfish Trap	0	81.911163	0.00000	2.339966	0.00000	1.953072	0.00000	86.204202	0.00000		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	38.068993	0.00000	1.845898	0.00000	2.328352	0.00000	42.243243	0.00000		
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Total			0.23933		0.02641		0.06488		0.33062		

Monterey County - MBNMS Catch 2012

Operational Category	Revenue 2013		Output		Output		Output		Output		Output		Output	
	\$		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Total	Multiplier	Total
Trawl - Northern California	508,693		508,693	1.000000	508,693	0.109224	55,561	0.476148	242,213	1.585372	242,213	1.585372	806,468	
Trawl - Southern California	0		0	1.000000	0	0.384861	0	0.381386	0	1.766247	0	1.766247	0	
CPS Seine	3,565,527		3,565,527	1.000000	3,565,527	0.073408	261,738	0.527962	1,882,463	1.601370	1,882,463	1.601370	5,709,728	
Herring Gillnet	0		0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	177		177	1.000000	177	0.437465	77	0.308813	55	1.746278	55	1.746278	309	
Salmon	234,330		234,330	1.000000	234,330	0.451119	105,711	0.190309	44,595	1.641428	44,595	1.641428	384,636	
Salmon & Albacore	1,337,291		1,337,291	1.000000	1,337,291	0.417079	557,756	0.201155	269,003	1.618234	269,003	1.618234	2,164,050	
Salmon & Dungeness Crab - Small Vessels	29,214		29,214	1.000000	29,214	0.374910	10,953	0.280859	8,205	1.655769	8,205	1.655769	48,372	
Salmon & Dungeness Crab - M & L Vessels	1,093,049		1,093,049	1.000000	1,093,049	0.247582	270,619	0.398571	435,658	1.646153	435,658	1.646153	1,799,326	
Dungeness Crab - Small Vessels	95,201		95,201	1.000000	95,201	0.291104	27,713	0.338877	32,261	1.629981	32,261	1.629981	155,176	
Dungeness Crab - M & L Vessels	208,490		208,490	1.000000	208,490	0.133060	27,742	0.465421	97,036	1.598482	97,036	1.598482	333,268	
Longline	269,059		269,059	1.000000	269,059	0.216517	58,256	0.409184	110,095	1.625700	110,095	1.625700	437,409	
Harpoon/Spear	0		0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	257,899		257,899	1.000000	257,899	0.478565	123,421	0.199061	51,338	1.677626	51,338	1.677626	432,658	
Hook & Line Live	18,989		18,989	1.000000	18,989	0.438833	8,333	0.235563	4,473	1.674396	4,473	1.674396	31,795	
Lobster & Crab	2,836		2,836	1.000000	2,836	0.308089	874	0.350701	995	1.658790	995	1.658790	4,704	
Nearshore & Groundfish Trap	254,761		254,761	1.000000	254,761	0.403009	102,671	0.241469	61,517	1.644478	61,517	1.644478	418,949	
Prawn Trap	542,551		542,551	1.000000	542,551	0.191777	104,049	0.421886	228,895	1.613663	228,895	1.613663	875,494	
Sea Urchin	0		0	1.000000	0	0.310183	0	0.285002	0	1.595186	0	1.595186	0	
Tuna/Other Seine	3,351,917		3,351,917	1.000000	3,351,917	0.049265	165,132	0.575218	1,928,083	1.624483	1,928,083	1.624483	5,445,132	
Total	11,769,984		11,769,984		11,769,984		1,880,607		5,396,883		5,396,883		19,047,473	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added	Total
		Multiplier	Value Added	Multiplier	Value Added	Multiplier	Value Added	Multiplier	Value Added			
Trawl - Northern California	508,693	0.764224	388,755	0.067932	34,557	0.311916	158,669	1.144072	581,981			
Trawl - Southern California	0	0.510763	0	0.235797	0	0.249839	0	0.996399	0			
CPS Seine	3,565,527	0.860169	3,066,956	0.045235	161,287	0.345858	1,233,166	1.251262	4,461,408			
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0			
Other Gillnet	177	0.402775	71	0.267798	47	0.202297	36	0.872871	154			
Salmon	234,330	0.251002	58,817	0.273571	64,106	0.124668	29,213	0.649241	152,137			
Salmon & Albacore	1,337,291	0.299582	400,628	0.252524	337,698	0.131773	176,219	0.683878	914,544			
Salmon & Dungeness Crab - Small Vessels	29,214	0.383661	11,208	0.223820	6,539	0.180875	5,284	0.788356	23,031			
Salmon & Dungeness Crab - M & L Vessels	1,093,049	0.611769	668,693	0.147661	161,401	0.261096	285,391	1.020526	1,115,485			
Dungeness Crab - Small Vessels	95,201	0.509510	48,506	0.174723	16,634	0.218238	20,776	0.902471	85,916			
Dungeness Crab - M & L Vessels	208,490	0.748748	156,106	0.078150	16,293	0.304889	63,566	1.131787	235,966			
Longline	269,059	0.631740	169,975	0.128759	34,644	0.268049	72,121	1.028548	276,740			
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0			
Hook & Line	257,899	0.250080	64,495	0.285315	73,582	0.130401	33,630	0.665796	171,708			
Hook & Line Live	18,989	0.311446	5,914	0.252735	4,799	0.154313	2,930	0.718494	13,643			
Lobster & Crab	2,836	0.489986	1,390	0.175866	499	0.229292	650	0.895144	2,539			
Nearshore & Groundfish Trap	254,761	0.348481	88,779	0.230082	58,616	0.158182	40,299	0.736745	187,694			
Prawn Trap	542,551	0.689703	374,199	0.105050	56,995	0.276369	149,944	1.071123	581,139			
Sea Urchin	0	0.423433	0	0.188488	0	0.186337	0	0.798258	0			
Tuna/Other Seine	3,351,917	0.904618	3,032,204	0.030411	101,935	0.370443	1,241,694	1.305472	4,375,834			
Total	11,769,984		8,536,699		1,129,631		3,513,590		13,179,920			

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	508,693	0.685263	348,588	0.040578	20,642	0.162948	82,891	0.888789	452,121	
Trawl - Southern California	0	0.440555	0	0.140830	0	0.130518	0	0.711904	0	
CPS Seine	3,565,527	0.777657	2,772,757	0.027169	96,872	0.180680	644,219	0.985507	3,513,852	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Other Gillnet	177	0.310948	55	0.159807	28	0.105682	19	0.576437	102	
Salmon	234,330	0.125701	29,456	0.164406	38,525	0.065128	15,261	0.355235	83,242	
Salmon & Albacore	1,337,291	0.155248	207,612	0.151393	202,456	0.068839	92,058	0.375480	502,126	
Salmon & Dungeness Crab - Small Vessels	29,214	0.296780	8,670	0.133040	3,887	0.096521	2,820	0.526341	15,377	
Salmon & Dungeness Crab - M & L Vessels	1,093,049	0.518548	566,798	0.089035	97,320	0.136400	149,092	0.743982	813,209	
Dungeness Crab - Small Vessels	95,201	0.413591	39,374	0.105018	9,998	0.116460	11,087	0.635069	60,459	
Dungeness Crab - M & L Vessels	208,490	0.662611	138,148	0.046879	9,774	0.159277	33,208	0.868767	181,129	
Longline	269,059	0.546700	147,095	0.077061	20,734	0.140031	37,677	0.763792	205,505	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	257,899	0.131537	33,923	0.171912	44,336	0.068123	17,569	0.371572	95,828	
Hook & Line Live	18,989	0.206149	3,915	0.152944	2,904	0.080615	1,531	0.439708	8,350	
Lobster & Crab	2,836	0.405046	1,149	0.110079	312	0.125326	355	0.640451	1,816	
Nearshore & Groundfish Trap	254,761	0.228296	58,161	0.139800	35,616	0.082636	21,052	0.450731	114,829	
Prawn Trap	542,551	0.579096	314,189	0.064028	34,738	0.144378	78,332	0.787502	427,260	
Sea Urchin	0	0.303437	0	0.115186	0	0.101848	0	0.520471	0	
Tuna/Other Seine	3,351,917	0.862077	2,889,611	0.018222	61,079	0.197682	662,614	1.077980	3,613,299	
Total	11,769,984		7,559,500		679,220		1,849,784		10,088,504	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	508,693	0.022077	11,230	0.016726	8,508	0.114897	58,447	0.153700	78,186		
Trawl - Southern California	0	0.019131	0	0.063775	0	0.092031	0	0.174937	0		
CPS Seine	3,565,527	0.014059	50,128	0.011275	40,201	0.127400	454,248	0.152735	544,581		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	177	0.036516	6	0.071904	13	0.074518	13	0.182939	32		
Salmon	234,330	0.051217	12,002	0.068456	16,041	0.045923	10,761	0.165596	38,804		
Salmon & Albacore	1,337,291	0.067688	90,519	0.063135	84,430	0.048540	64,912	0.179363	239,861		
Salmon & Dungeness Crab - Small Vessels	29,214	0.006023	176	0.058228	1,701	0.065467	1,913	0.129718	3,790		
Salmon & Dungeness Crab - M & L Vessels	1,093,049	0.029533	32,281	0.036548	39,949	0.096178	105,127	0.162259	177,357		
Dungeness Crab - Small Vessels	95,201	0.012144	1,156	0.045786	4,359	0.078991	7,520	0.136921	13,035		
Dungeness Crab - M & L Vessels	208,490	0.018489	3,855	0.019707	4,109	0.112309	23,415	0.150505	31,379		
Longline	269,059	0.025421	6,840	0.032142	8,648	0.098738	26,566	0.156301	42,054		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	257,899	0.030701	7,918	0.072706	18,751	0.048035	12,388	0.151442	39,057		
Hook & Line Live	18,989	0.029796	566	0.062715	1,191	0.056843	1,079	0.149354	2,836		
Lobster & Crab	2,836	0.017550	50	0.041195	117	0.080946	230	0.139690	396		
Nearshore & Groundfish Trap	254,761	0.039270	10,004	0.056340	14,353	0.058268	14,844	0.153878	39,202		
Prawn Trap	542,551	0.019636	10,654	0.025427	13,795	0.101804	55,234	0.146866	79,682		
Sea Urchin	0	0.029424	0	0.045307	0	0.065782	0	0.140514	0		
Tuna/Other Seine	3,351,917	0.012059	40,421	0.007626	25,562	0.134081	449,428	0.153766	515,411		
Total	11,769,984		277,805		281,728		1,286,127		1,845,663		

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	359,819	29,150	141,338	530,307	
Trawl - Southern California	0	0	0	0	
CPS Seine	2,822,885	137,073	1,098,468	4,058,433	
Herring Gillnet	0	0	0	0	
Other Gillnet	62	41	32	134	
Salmon	41,457	54,567	26,023	122,046	
Salmon & Albacore	298,130	286,886	156,970	741,987	
Salmon & Dungeness Crab - Small Vessels	8,846	5,588	4,732	19,166	
Salmon & Dungeness Crab - M & L Vessels	599,079	137,268	254,219	990,566	
Dungeness Crab - Small Vessels	40,530	14,357	18,607	73,494	
Dungeness Crab - M & L Vessels	142,003	13,883	56,623	212,508	
Longline	153,934	29,382	64,243	247,559	
Harpoon/Spear	0	0	0	0	
Hook & Line	41,841	63,087	29,957	134,885	
Hook & Line Live	4,480	4,095	2,610	11,186	
Lobster & Crab	1,198	429	585	2,212	
Nearshore & Groundfish Trap	68,165	49,969	35,897	154,031	
Prawn Trap	324,843	48,534	133,566	506,942	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	2,930,031	86,640	1,112,042	4,128,710	
Total	7,837,305	960,948	3,135,912	11,934,167	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment	Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced			
Trawl - Northern California	0.508693	8.736888	4.44439	0.841930	0.42828	4.093865	2.08252	13.672683	6.95520			
Trawl - Southern California	0	29.978544	0.00000	3.516878	0.00000	3.279112	0.00000	36.774534	0.00000			
CPS Seine	3.565527	4.215760	15.03141	0.577301	2.05838	4.539356	16.18520	9.332417	33.27498			
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000			
Other Gillnet	0.000177	23.663721	0.00419	3.906652	0.00069	2.655133	0.00047	30.225507	0.00535			
Salmon	0.23433	120.901070	28.33075	3.587440	0.84064	1.636249	0.38342	126.124760	29.55482			
Salmon & Albacore	1.337291	110.640572	147.95864	3.199455	4.27860	1.729501	2.31285	115.569528	154.55009			
Salmon & Dungeness Crab - Small Vessels	0.029214	43.188519	1.26171	2.211048	0.06459	2.001845	0.05848	47.401411	1.38478			
Salmon & Dungeness Crab - M & L Vessels	1.093049	13.206952	14.43585	1.893327	2.06950	3.426866	3.74573	18.527145	20.25108			
Dungeness Crab - Small Vessels	0.095201	43.291538	4.12140	1.773384	0.16883	2.415368	0.22995	47.480290	4.52017			
Dungeness Crab - M & L Vessels	0.20849	8.425305	1.75659	0.980902	0.20451	4.001637	0.83430	13.407845	2.79540			
Longline	0.269059	38.488541	10.35569	1.620567	0.43603	3.518112	0.94658	43.627220	11.73830			
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000			
Hook & Line	0.257899	432.526550	111.54816	3.895447	1.00463	1.711502	0.44139	438.133499	112.99419			
Hook & Line Live	0.018989	151.975449	2.88586	3.337250	0.06337	2.025344	0.03846	157.338042	2.98769			
Lobster & Crab	0.002836	21.754385	0.06170	1.784843	0.00506	2.400951	0.00681	25.940180	0.07357			
Nearshore & Groundfish Trap	0.254761	81.916222	20.86906	2.987198	0.76102	2.076120	0.52891	86.979539	22.15899			
Prawn Trap	0.542551	9.256877	5.02233	1.329928	0.72155	3.627323	1.96801	14.214128	7.71189			
Sea Urchin	0	38.143379	0.00000	1.876995	0.00000	1.951168	0.00000	41.971542	0.00000			
Tuna/Other Seine	3.351917	8.543684	28.63772	0.293364	0.98333	4.099904	13.74254	12.936951	43.36359			
Total			396.72544		14.08903		43.50562		454.32009			

San Francisco County - MBNMS Catch
2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	
Trawl - Northern California	636	1.000000	636	0.097450	62	0.491839	313	1.589289	1,011	
Trawl - Southern California	0	1.000000	0	0.295013	0	0.376708	0	1.671721	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	1.000000	0	0.310182	0	0.147365	0	1.457547	0	
Other Gillnet	0	1.000000	0	0.346735	0	0.300143	0	1.646878	0	
Salmon	15	1.000000	15	0.417637	6	0.188963	3	1.606600	24	
Salmon & Albacore	77,471	1.000000	77,471	0.387883	30,050	0.203031	15,729	1.590914	123,250	
Salmon & Dungeness Crab - Small Vessels	6,738	1.000000	6,738	0.342102	2,305	0.285405	1,923	1.627507	10,966	
Salmon & Dungeness Crab - M & L Vessels	118,427	1.000000	118,427	0.228150	27,019	0.409382	48,482	1.637532	193,928	
Dungeness Crab - Small Vessels	0	1.000000	0	0.268886	0	0.348023	0	1.616909	0	
Dungeness Crab - M & L Vessels	186,334	1.000000	186,334	0.125016	23,295	0.481495	89,719	1.606510	299,347	
Longline	2,088	1.000000	2,088	0.202232	422	0.421929	881	1.624161	3,391	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	7,162	1.000000	7,162	0.431672	3,092	0.196560	1,408	1.628232	11,661	
Hook & Line Live	347	1.000000	347	0.420000	146	0.241440	84	1.661441	577	
Lobster & Crab	0	1.000000	0	0.308089	0	0.350701	0	1.658790	0	
Nearshore & Groundfish Trap	3,031	1.000000	3,031	0.389711	1,181	0.248684	754	1.638395	4,966	
Prawn Trap	0	1.000000	0	0.128690	0	0.480478	0	1.609168	0	
Sea Urchin	0	1.000000	0	0.310183	0	0.285002	0	1.595186	0	
Tuna/Other Seine	0	1.000000	0	0.049265	0	0.575218	0	1.624483	0	
Total	402,249		402,249		87,578		159,295		649,121	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier		
Trawl - Northern California	636	0.764230	486	0.060867	39	0.321569	205	1.146666	729		
Trawl - Southern California	0	0.510796	0	0.184637	0	0.246296	0	0.941729	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.249731	0	0.189957	0	0.096349	0	0.536037	0		
Other Gillnet	0	0.400470	0	0.216831	0	0.196237	0	0.813537	0		
Salmon	15	0.251007	4	0.246260	4	0.123546	2	0.620813	9		
Salmon & Albacore	77,471	0.299593	23,210	0.232195	17,988	0.132743	10,284	0.664531	51,482		
Salmon & Dungeness Crab - Small Vessels	6,738	0.383844	2,586	0.201121	1,355	0.186601	1,257	0.771566	5,199		
Salmon & Dungeness Crab - M & L Vessels	118,427	0.611762	72,449	0.133209	15,776	0.267658	31,698	1.012629	119,923		
Dungeness Crab - Small Vessels	0	0.509412	0	0.158536	0	0.227541	0	0.895489	0		
Dungeness Crab - M & L Vessels	186,334	0.748767	139,521	0.071916	13,400	0.314806	58,659	1.135489	211,580		
Longline	2,088	0.631728	1,319	0.118169	247	0.275861	576	1.025758	2,142		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	7,162	0.250086	1,791	0.252624	1,809	0.128513	920	0.631223	4,521		
Hook & Line Live	347	0.311477	108	0.235507	82	0.157856	55	0.704841	245		
Lobster & Crab	0	0.489986	0	0.175866	0	0.229292	0	0.895144	0		
Nearshore & Groundfish Trap	3,031	0.348329	1,056	0.215986	655	0.162592	493	0.726908	2,203		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.423433	0	0.188488	0	0.186337	0	0.798258	0		
Tuna/Other Seine	0	0.904618	0	0.030411	0	0.370443	0	1.305472	0		
Total	402,249		242,530		51,354		104,148		398,033		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	636	0.685265	436	0.037167	24	0.175763	112	0.898195	571
Trawl - Southern California	0	0.440584	0	0.112741	0	0.134620	0	0.687945	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.099686	0	0.116770	0	0.052662	0	0.269118	0
Other Gillnet	0	0.308820	0	0.132043	0	0.107259	0	0.548122	0
Salmon	15	0.125704	2	0.151853	2	0.067528	1	0.345084	5
Salmon & Albacore	77,471	0.155211	12,024	0.143009	11,079	0.072555	5,621	0.370774	28,724
Salmon & Dungeness Crab - Small Vessels	6,738	0.296918	2,001	0.122297	824	0.101992	687	0.521206	3,512
Salmon & Dungeness Crab - M & L Vessels	118,427	0.518545	61,410	0.082772	9,802	0.146296	17,325	0.747613	88,538
Dungeness Crab - Small Vessels	0	0.413516	0	0.097676	0	0.124369	0	0.635560	0
Dungeness Crab - M & L Vessels	186,334	0.662628	123,470	0.044611	8,313	0.172066	32,062	0.879305	163,844
Longline	2,088	0.546691	1,141	0.073056	153	0.150780	315	0.770526	1,609
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	7,162	0.131541	942	0.157175	1,126	0.070243	503	0.358958	2,571
Hook & Line Live	347	0.206163	72	0.148475	52	0.086281	30	0.440919	153
Lobster & Crab	0	0.405046	0	0.110079	0	0.125326	0	0.640451	0
Nearshore & Groundfish Trap	3,031	0.228241	692	0.137036	415	0.088869	269	0.454146	1,377
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Sea Urchin	0	0.303437	0	0.115186	0	0.101848	0	0.520471	0
Tuna/Other Seine	0	0.862077	0	0.018222	0	0.197682	0	1.077980	0
Total	402,249		202,189		31,789		56,925		290,904

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	
Trawl - Northern California	636	0.022078	14	0.014100	9	0.113522	72	0.149700	95	
Trawl - Southern California	0	0.019138	0	0.046882	0	0.086949	0	0.152969	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.054316	0	0.044525	0	0.034014	0	0.132854	0	
Other Gillnet	0	0.036430	0	0.054950	0	0.069277	0	0.160657	0	
Salmon	15	0.051219	1	0.057595	1	0.043615	1	0.152429	2	
Salmon & Albacore	77,471	0.067722	5,246	0.054298	4,207	0.046862	3,630	0.168883	13,084	
Salmon & Dungeness Crab - Small Vessels	6,738	0.006077	41	0.048670	328	0.065875	444	0.120623	813	
Salmon & Dungeness Crab - M & L Vessels	118,427	0.029530	3,497	0.030350	3,594	0.094490	11,190	0.154371	18,282	
Dungeness Crab - Small Vessels	0	0.012113	0	0.038333	0	0.080328	0	0.130774	0	
Dungeness Crab - M & L Vessels	186,334	0.018486	3,445	0.016704	3,113	0.111135	20,708	0.146325	27,265	
Longline	2,088	0.025419	53	0.027344	57	0.097386	203	0.150150	314	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Hook & Line	7,162	0.030699	220	0.059650	427	0.045369	325	0.135717	972	
Hook & Line Live	347	0.029805	10	0.053318	19	0.055727	19	0.138851	48	
Lobster & Crab	0	0.017550	0	0.041195	0	0.080946	0	0.139690	0	
Nearshore & Groundfish Trap	3,031	0.039194	119	0.047705	145	0.057399	174	0.144299	437	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	
Sea Urchin	0	0.029424	0	0.045307	0	0.065782	0	0.140514	0	
Tuna/Other Seine	0	0.012059	0	0.007626	0	0.134081	0	0.153766	0	
Total	402,249		12,646		11,898		36,767		61,312	

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	450	33	184	666	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	3	3	2	7	
Salmon & Albacore	17,271	15,286	9,251	41,808	
Salmon & Dungeness Crab - Small Vessels	2,042	1,152	1,131	4,325	
Salmon & Dungeness Crab - M & L Vessels	64,907	13,397	28,516	106,819	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	126,915	11,425	52,770	191,110	
Longline	1,195	210	518	1,922	
Harpoon/Spear	0	0	0	0	
Hook & Line	1,162	1,553	828	3,543	
Hook & Line Live	82	70	49	201	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	811	560	443	1,814	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	214,836	43,688	93,692	352,216	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0.000636	8.736168	0.00556	0.595264	0.00038	3.367198	0.00214	12.698631	0.00808		
Trawl - Southern California	0	29.966528	0.00000	2.027906	0.00000	2.579000	0.00000	34.573434	0.00000		
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Herring Gillnet	0	213.002838	0.00000	1.912842	0.00000	1.008883	0.00000	215.924563	0.00000		
Other Gillnet	0	23.679096	0.00000	2.340153	0.00000	2.054823	0.00000	28.074072	0.00000		
Salmon	0.000015	120.899231	0.00181	2.485832	0.00004	1.293669	0.00002	124.678732	0.00187		
Salmon & Albacore	0.077471	110.690956	8.57534	2.244949	0.17392	1.389977	0.10768	114.325882	8.85694		
Salmon & Dungeness Crab - Small Vessels	0.006738	43.190449	0.29102	1.947227	0.01312	1.953924	0.01317	47.091600	0.31730		
Salmon & Dungeness Crab - M & L Vessels	0.118427	13.202483	1.56353	1.322582	0.15663	2.802687	0.33191	17.327752	2.05207		
Dungeness Crab - Small Vessels	0	43.295197	0.00000	1.558975	0.00000	2.382618	0.00000	47.236790	0.00000		
Dungeness Crab - M & L Vessels	0.186334	8.422237	1.56935	0.681245	0.12694	3.296381	0.61423	12.399864	2.31052		
Longline	0.002088	38.489243	0.08037	1.155281	0.00241	2.888586	0.00603	42.533109	0.08881		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0.007162	432.529724	3.09778	2.599091	0.01861	1.345680	0.00964	436.474495	3.12603		
Hook & Line Live	0.000347	151.983871	0.05274	2.378738	0.00083	1.652936	0.00057	156.015546	0.05414		
Lobster & Crab	0	21.754385	0.00000	1.784843	0.00000	2.400951	0.00000	25.940180	0.00000		
Nearshore & Groundfish Trap	0.003031	81.933395	0.24834	2.150314	0.00652	1.702525	0.00516	85.786235	0.26002		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	38.143379	0.00000	1.876995	0.00000	1.951168	0.00000	41.971542	0.00000		
Tuna/Other Seine	0	8.543684	0.00000	0.293364	0.00000	4.099904	0.00000	12.936951	0.00000		
Total			15.48583		0.49939		1.09055		17.07577		

San Luis Obispo County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Total	Multiplier	Total
Trawl - Northern California	0	0	0	1.000000	0	0.092817	0	0.554272	0	1.647089	0	0
Trawl - Southern California	0	0	0	1.000000	0	0.255661	0	0.404831	0	1.660492	0	0
CPS Seine	44,110	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Herring Gillnet	0	0	0	1.000000	0	0.310182	0	0.147365	0	1.457547	0	0
Other Gillnet	0	0	0	1.000000	0	0.302940	0	0.316807	0	1.619747	0	0
Salmon	42	0	42	1.000000	0	0.364872	15	0.185955	8	1.550827	65	0
Salmon & Albacore	52,313	0	52,313	1.000000	0	0.343633	17,976	0.202881	10,613	1.546514	80,903	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	1.000000	0	0.329008	0	0.301367	0	1.630375	0	0
Salmon & Dungeness Crab - M & L Vessels	22,495	0	22,495	1.000000	0	0.196475	4,420	0.450240	10,128	1.646715	37,043	0
Dungeness Crab - Small Vessels	0	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Dungeness Crab - M & L Vessels	0	0	0	1.000000	0	0.103669	0	0.538972	0	1.642641	0	0
Longline	101,654	0	101,654	1.000000	0	0.177498	18,043	0.465727	47,343	1.643225	167,040	0
Harpoon/Spear	0	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Hook & Line	7,017	0	7,017	1.000000	0	0.372848	2,616	0.190280	1,335	1.563128	10,968	0
Hook & Line Live	12,579	0	12,579	1.000000	0	0.328028	4,126	0.237725	2,990	1.565753	19,696	0
Lobster & Crab	0	0	0	1.000000	0	0.231920	0	0.370531	0	1.602450	0	0
Nearshore & Groundfish Trap	116,693	0	116,693	1.000000	0	0.291994	34,074	0.247478	28,879	1.539472	179,646	0
Prawn Trap	292,537	0	292,537	1.000000	0	0.128690	37,647	0.480478	140,558	1.609168	470,741	0
Sea Urchin	0	0	0	1.000000	0	0.297995	0	0.303462	0	1.601457	0	0
Tuna/Other Seine	0	0	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0
Total	649,440	0	605,330		118,918		241,854		966,102			

Operational Category	Output	Value Added		Value Added		Value Added		Value Added	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
		Multiplier	Value Added	Multiplier	Value Added	Multiplier	Value Added	Multiplier	Value Added
Trawl - Northern California	0	0.764220	0	0.048427	0	0.335900	0	1.148547	0
Trawl - Southern California	0	0.510559	0	0.135360	0	0.245335	0	0.891254	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.249731	0	0.189957	0	0.096349	0	0.536037	0
Other Gillnet	0	0.402772	0	0.162325	0	0.191991	0	0.757088	0
Salmon	42	0.251028	11	0.189591	8	0.112692	5	0.553311	23
Salmon & Albacore	52,313	0.299579	15,672	0.177875	9,305	0.122950	6,432	0.600404	31,409
Salmon & Dungeness Crab - Small Vessels	0	0.383028	0	0.158491	0	0.182634	0	0.724153	0
Salmon & Dungeness Crab - M & L Vessels	22,495	0.611761	13,762	0.102542	2,307	0.272855	6,138	0.987158	22,206
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.748767	0	0.053470	0	0.326628	0	1.128865	0
Longline	101,654	0.631736	64,218	0.090094	9,158	0.282240	28,691	1.004070	102,068
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	7,017	0.250079	1,755	0.189545	1,330	0.115313	809	0.554937	3,894
Hook & Line Live	12,579	0.311461	3,918	0.167698	2,109	0.144066	1,812	0.623224	7,840
Lobster & Crab	0	0.489501	0	0.121672	0	0.224549	0	0.835722	0
Nearshore & Groundfish Trap	116,693	0.348462	40,663	0.151189	17,643	0.149977	17,501	0.649628	75,807
Prawn Trap	292,537	0.689703	201,764	0.067159	19,646	0.291179	85,181	1.048041	306,591
Sea Urchin	0	0.425076	0	0.148251	0	0.183904	0	0.757232	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	605,330		341,762		61,507		146,569		549,837

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	
Trawl - Northern California	0	0.685261	0.028825	0	0	0.171135	0	0.885221	0	
Trawl - Southern California	0	0.440395	0.081162	0	0	0.124994	0	0.646551	0	
CPS Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Herring Gillnet	0	0.099686	0.116770	0	0	0.052662	0	0.269118	0	
Other Gillnet	0	0.310945	0.097207	0	0	0.097816	0	0.505968	0	
Salmon	42	0.125718	0.113853	5	5	0.057415	2	0.296986	12	
Salmon & Albacore	52,313	0.155254	0.106124	8,122	5,552	0.062641	3,277	0.324019	16,950	
Salmon & Dungeness Crab - Small Vessels	0	0.295872	0.092389	0	0	0.093049	0	0.481310	0	
Salmon & Dungeness Crab - M & L Vessels	22,495	0.518545	0.061515	11,665	1,384	0.139014	3,127	0.719074	16,176	
Dungeness Crab - Small Vessels	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Dungeness Crab - M & L Vessels	0	0.662625	0.031750	0	0	0.166411	0	0.860786	0	
Longline	101,654	0.546697	0.053314	55,574	5,420	0.143796	14,617	0.743807	75,611	
Harpoon/Spear	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Hook & Line	7,017	0.131536	0.113607	923	797	0.058750	412	0.303893	2,132	
Hook & Line Live	12,579	0.206154	0.100115	2,593	1,259	0.073399	923	0.379667	4,776	
Lobster & Crab	0	0.404690	0.072677	0	0	0.114404	0	0.591770	0	
Nearshore & Groundfish Trap	116,693	0.228286	0.090547	26,639	10,566	0.076410	8,917	0.395244	46,122	
Prawn Trap	292,537	0.579096	0.039919	169,407	11,678	0.148350	43,398	0.767365	224,483	
Sea Urchin	0	0.302752	0.088208	0	0	0.093696	0	0.484656	0	
Tuna/Other Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0	
Total	605,330			274,928	36,660		74,674		386,263	

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	0	0.0222078	0	0.012327	0	0.128492	0	0.162896	0	0	
Trawl - Southern California	0	0.019074	0	0.036378	0	0.093848	0	0.149300	0	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	0.054316	0	0.044525	0	0.069277	0	0.160657	0	0	
Other Gillnet	0	0.036513	0	0.043427	0	0.073442	0	0.153382	0	0	
Salmon	42	0.051220	2	0.048439	2	0.043108	2	0.142767	6	6	
Salmon & Albacore	52,313	0.067685	3,541	0.046143	2,414	0.047032	2,460	0.160860	8,415	8,415	
Salmon & Dungeness Crab - Small Vessels	0	0.006881	0	0.042637	0	0.069863	0	0.119381	0	0	
Salmon & Dungeness Crab - M & L Vessels	22,495	0.029530	664	0.026265	591	0.104375	2,348	0.160170	3,603	3,603	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	0	0.018488	0	0.014153	0	0.124945	0	0.157586	0	0	
Longline	101,654	0.025421	2,584	0.023551	2,394	0.107965	10,975	0.156937	15,953	15,953	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	7,017	0.030697	215	0.049475	347	0.044111	310	0.124283	872	872	
Hook & Line Live	12,579	0.029802	375	0.043414	546	0.055110	693	0.128326	1,614	1,614	
Lobster & Crab	0	0.017752	0	0.032041	0	0.085897	0	0.135689	0	0	
Nearshore & Groundfish Trap	116,693	0.039265	4,582	0.038826	4,531	0.057371	6,695	0.135461	15,807	15,807	
Prawn Trap	292,537	0.019636	5,744	0.017402	5,091	0.111385	32,584	0.148422	43,419	43,419	
Sea Urchin	0	0.030581	0	0.038487	0	0.070349	0	0.139416	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	605,330		17,708		15,916		56,067		89,690	89,690	

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	7	7	4	18	
Salmon & Albacore	11,663	7,966	5,737	25,365	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	12,329	1,975	5,475	19,779	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	58,158	7,814	25,593	91,564	
Harpoon/Spear	0	0	0	0	
Hook & Line	1,138	1,144	722	3,005	
Hook & Line Live	2,968	1,805	1,617	6,390	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	31,221	15,097	15,611	61,930	
Prawn Trap	175,151	16,769	75,982	267,902	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	292,636	52,576	130,741	475,952	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.733982	0.00000	0.728122	0.00000	5.018928	0.00000	14.481032	0.00000
Trawl - Southern California	0	29.972752	0.00000	2.670303	0.00000	3.665742	0.00000	36.308797	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	213.002838	0.00000	1.912842	0.00000	1.008883	0.00000	215.924563	0.00000
Other Gillnet	0	23.662708	0.00000	3.031408	0.00000	2.868685	0.00000	29.562802	0.00000
Salmon	0.000042	120.895683	0.00508	2.996910	0.00013	1.683816	0.00007	125.576410	0.00527
Salmon & Albacore	0.052313	110.646561	5.78825	2.682007	0.14030	1.837092	0.09610	115.165660	6.02466
Salmon & Dungeness Crab - Small Vessels	0	43.577980	0.00000	2.343933	0.00000	2.728877	0.00000	48.650790	0.00000
Salmon & Dungeness Crab - M & L Vessels	0.022495	13.202146	0.29698	1.568542	0.03528	4.076924	0.09171	18.847612	0.42398
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0	8.421001	0.00000	0.787337	0.00000	4.880389	0.00000	14.088728	0.00000
Longline	0.101654	38.484173	3.91207	1.338608	0.13607	4.217155	0.42869	44.039936	4.47684
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.007017	432.526367	3.03504	3.149170	0.02210	1.722980	0.01209	437.398517	3.06923
Hook & Line Live	0.012579	151.975433	1.91170	2.636017	0.03316	2.152596	0.02708	156.764046	1.97193
Lobster & Crab	0	21.577263	0.00000	2.029072	0.00000	3.35153	0.00000	26.961488	0.00000
Nearshore & Groundfish Trap	0.116693	81.910873	9.55843	2.333389	0.27229	2.240913	0.26150	86.485176	10.09221
Prawn Trap	0.292537	9.256578	2.70789	0.982250	0.28734	4.350723	1.27275	14.589552	4.26798
Sea Urchin	0	36.697250	0.00000	2.305569	0.00000	2.747850	0.00000	41.750669	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			27.21544		0.92668		2.18999		30.33211

San Mateo County - MBNIMS Catch
2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total	Output
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	214,721	1.000000	214,721	0.108412	23,278	0.474076	101,794	1.582488	339,793		
Trawl - Southern California	0	1.000000	0	0.386262	0	0.381437	0	1.767699	0		
CPS Seine	2,390,838	1.000000	2,390,838	0.073781	176,398	0.525949	1,257,459	1.599730	3,824,695		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	8,017	1.000000	8,017	0.465311	3,730	0.191192	1,533	1.656503	13,280		
Salmon & Albacore	445,165	1.000000	445,165	0.412423	183,596	0.199717	88,907	1.612141	717,669		
Salmon & Dungeness Crab - Small Vessels	150,870	1.000000	150,870	0.374910	56,563	0.280859	42,373	1.655769	249,806		
Salmon & Dungeness Crab - M & L Vessels	5,422,962	1.000000	5,422,962	0.237651	1,288,772	0.395212	2,143,220	1.632862	8,854,949		
Dungeness Crab - Small Vessels	57,382	1.000000	57,382	0.291104	16,704	0.338877	19,445	1.629981	93,532		
Dungeness Crab - M & L Vessels	2,554,392	1.000000	2,554,392	0.124776	318,727	0.462370	1,181,074	1.587146	4,054,193		
Longline	60,342	1.000000	60,342	0.204806	12,358	0.405988	24,498	1.610794	97,199		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	50,032	1.000000	50,032	0.473767	23,704	0.198289	9,921	1.672056	83,656		
Hook & Line Live	9,923	1.000000	9,923	0.398212	3,951	0.229418	2,277	1.627631	16,151		
Lobster & Crab	18,102	1.000000	18,102	0.308848	5,591	0.338368	6,125	1.647216	29,818		
Nearshore & Groundfish Trap	12,403	1.000000	12,403	0.354310	4,395	0.233337	2,894	1.587647	19,692		
Prawn Trap	459,289	1.000000	459,289	0.160549	73,738	0.441416	202,738	1.601965	735,765		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	2,673,569	1.000000	2,673,569	0.049265	131,713	0.575218	1,537,885	1.624483	4,343,167		
Total	14,528,007		14,528,007		2,323,220		6,622,142		23,473,364		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	214,721	0.764225	164,095	0.066788	14,341	0.305307	65,556	1.136320	243,992		
Trawl - Southern California	0	0.510829	0	0.239566	0	0.245647	0	0.996042	0		
CPS Seine	2,390,838	0.860202	2,056,604	0.045038	107,679	0.338713	809,808	1.243953	2,974,090		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	8,017	0.251004	2,012	0.275609	2,210	0.123129	987	0.649742	5,209		
Salmon & Albacore	445,165	0.299564	133,355	0.249184	110,928	0.128619	57,257	0.677367	301,540		
Salmon & Dungeness Crab - Small Vessels	150,870	0.383661	57,883	0.223820	33,768	0.180875	27,289	0.788356	118,939		
Salmon & Dungeness Crab - M & L Vessels	5,422,962	0.611762	3,317,562	0.142465	772,582	0.254518	1,380,241	1.008746	5,470,391		
Dungeness Crab - Small Vessels	57,382	0.509510	29,237	0.174723	10,026	0.218238	12,523	0.902471	51,786		
Dungeness Crab - M & L Vessels	2,554,392	0.748767	1,912,644	0.074835	191,158	0.297768	760,616	1.121370	2,864,419		
Longline	60,342	0.631783	38,123	0.124293	7,500	0.261458	15,777	1.017534	61,400		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	50,032	0.250081	12,512	0.284974	14,258	0.127699	6,389	0.662753	33,159		
Hook & Line Live	9,923	0.311429	3,090	0.240612	2,388	0.147746	1,466	0.699787	6,944		
Lobster & Crab	18,102	0.489597	8,863	0.188616	3,414	0.217910	3,945	0.896123	16,222		
Nearshore & Groundfish Trap	12,403	0.348149	4,318	0.213537	2,648	0.150270	1,864	0.711956	8,830		
Prawn Trap	459,289	0.689727	316,784	0.088863	39,895	0.271153	124,538	1.047743	481,217		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	2,673,569	0.904618	2,418,559	0.030411	81,306	0.370443	990,405	1.305472	3,490,269		
Total	14,528,007		10,475,641		1,394,100		4,258,660		16,128,407		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total	Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	214,721	0.685263	147,140	0.040250	8,643	0.162923	34,983	0.888436	190,766		
Trawl - Southern California	0	0.440605	0	0.143136	0	0.131086	0	0.714827	0		
CPS Seine	2,390,838	0.777638	1,859,206	0.027261	65,177	0.180750	432,144	0.985648	2,356,525		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	8,017	0.125702	1,008	0.166893	1,338	0.065706	527	0.358301	2,872		
Salmon & Albacore	445,165	0.155226	69,101	0.150416	66,960	0.068636	30,554	0.374278	166,615		
Salmon & Dungeness Crab - Small Vessels	150,870	0.296780	44,775	0.133040	20,072	0.096521	14,562	0.526341	79,409		
Salmon & Dungeness Crab - M & L Vessels	5,422,962	0.518545	2,812,050	0.086277	467,877	0.135820	736,547	0.740642	4,016,473		
Dungeness Crab - Small Vessels	57,382	0.413591	23,733	0.105018	6,026	0.116460	6,683	0.635069	36,442		
Dungeness Crab - M & L Vessels	2,554,392	0.662628	1,692,612	0.044972	114,876	0.158900	405,893	0.866499	2,213,378		
Longline	60,342	0.546723	32,990	0.074590	4,501	0.139523	8,419	0.760837	45,910		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	50,032	0.131535	6,581	0.171921	8,602	0.068145	3,409	0.371601	18,592		
Hook & Line Live	9,923	0.206131	2,045	0.144965	1,438	0.078843	782	0.429939	4,266		
Lobster & Crab	18,102	0.404765	7,327	0.113064	2,047	0.116285	2,105	0.634114	11,479		
Nearshore & Groundfish Trap	12,403	0.228048	2,828	0.129045	1,601	0.080190	995	0.437283	5,424		
Prawn Trap	459,289	0.579110	265,979	0.051911	23,842	0.137747	63,266	0.768767	353,086		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	2,673,569	0.862077	2,304,822	0.018222	48,718	0.197682	528,516	1.077980	2,882,054		
Total	14,528,007		9,272,199		841,716		2,269,385		12,383,292		

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Total
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total		
Trawl - Northern California	214,721	0.022079	4,741	0.016476	3,538	0.110506	23,728	0.149060	32,006		32,006
Trawl - Southern California	0	0.019146	0	0.065072	0	0.088912	0	0.173129	0		0
CPS Seine	2,390,838	0.014124	33,768	0.011278	26,964	0.122597	293,110	0.147999	353,842		353,842
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Salmon	8,017	0.051220	411	0.069529	557	0.044566	357	0.165316	1,325		1,325
Salmon & Albacore	445,165	0.067682	30,130	0.062573	27,855	0.046554	20,724	0.176809	78,709		78,709
Salmon & Dungeness Crab - Small Vessels	150,870	0.006023	909	0.058228	8,785	0.065467	9,877	0.129718	19,571		19,571
Salmon & Dungeness Crab - M & L Vessels	5,422,962	0.029531	160,145	0.035458	192,287	0.092123	499,580	0.157112	852,012		852,012
Dungeness Crab - Small Vessels	57,382	0.012144	697	0.045786	2,627	0.078991	4,533	0.136921	7,857		7,857
Dungeness Crab - M & L Vessels	2,554,392	0.018486	47,220	0.019082	48,743	0.107777	275,305	0.145345	371,268		371,268
Longline	60,342	0.025427	1,534	0.031380	1,894	0.094634	5,710	0.151441	9,138		9,138
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Hook & Line	50,032	0.030701	1,536	0.073702	3,687	0.046221	2,313	0.150624	7,536		7,536
Hook & Line Live	9,923	0.029771	295	0.061124	607	0.053477	531	0.144372	1,433		1,433
Lobster & Crab	18,102	0.017766	322	0.049442	895	0.078873	1,428	0.146081	2,644		2,644
Nearshore & Groundfish Trap	12,403	0.039319	488	0.053391	662	0.054390	675	0.147100	1,824		1,824
Prawn Trap	459,289	0.508265	233,441	0.005763	2,647	0.015754	7,236	0.529783	243,324		243,324
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		0
Tuna/Other Seine	2,673,569	0.012059	32,241	0.007626	20,389	0.134081	358,475	0.153766	411,104		411,104
Total	14,528,007		547,877		342,137		1,503,579		2,393,594		2,393,594

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	151,881	12,180	58,711	222,772	
Trawl - Southern California	0	0	0	0	
CPS Seine	1,892,975	92,141	725,254	2,710,366	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	1,418	1,895	884	4,198	
Salmon & Albacore	99,231	94,815	51,279	245,325	
Salmon & Dungeness Crab - Small Vessels	45,684	28,857	24,439	98,980	
Salmon & Dungeness Crab - M & L Vessels	2,972,195	660,164	1,236,126	4,868,486	
Dungeness Crab - Small Vessels	24,430	8,653	11,215	44,298	
Dungeness Crab - M & L Vessels	1,739,832	163,619	681,198	2,584,646	
Longline	34,525	6,394	14,130	55,049	
Harpoon/Spear	0	0	0	0	
Hook & Line	8,117	12,289	5,722	26,128	
Hook & Line Live	2,341	2,045	1,313	5,699	
Lobster & Crab	7,649	2,942	3,533	14,123	
Nearshore & Groundfish Trap	3,316	2,263	1,669	7,248	
Prawn Trap	499,419	26,489	70,501	596,410	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	2,337,063	69,106	886,991	3,293,158	
Total	9,820,076	1,183,853	3,772,964	14,776,885	

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0.214721	8.736757	1.87597	0.656263	0.14091	3.379006	0.72554	12.772026	2.74242		
Trawl - Southern California	0	29.967974	0.00000	2.761290	0.00000	2.718717	0.00000	35.447981	0.00000		
CPS Seine	2.390838	4.207363	10.05912	0.451229	1.07882	3.748734	8.96262	8.407327	20.10056		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Salmon	0.008017	120.898643	0.96924	2.829132	0.02268	1.362734	0.01093	125.090510	1.00285		
Salmon & Albacore	0.445165	110.636940	49.25169	2.472313	1.10059	1.423498	0.63369	114.532751	50.98597		
Salmon & Dungeness Crab - Small Vessels	0.15087	43.188519	6.51585	2.211048	0.33358	2.001845	0.30202	47.401411	7.15145		
Salmon & Dungeness Crab - M & L Vessels	5.422962	13.202218	71.59513	1.431460	7.76275	2.816898	15.27593	17.450576	94.63381		
Dungeness Crab - Small Vessels	0.057382	43.291538	2.48416	1.773384	0.10176	2.415368	0.13860	47.480290	2.72451		
Dungeness Crab - M & L Vessels	2.554392	8.422163	21.51351	0.730001	1.86471	3.295571	8.41818	12.447736	31.79640		
Longline	0.060342	38.488331	2.32246	1.229481	0.07419	2.893705	0.17461	42.611517	2.57126		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0.050032	432.531250	21.64040	3.015350	0.15086	1.413317	0.07071	436.959917	21.86198		
Hook & Line Live	0.009923	151.964279	1.50794	2.460144	0.02441	1.635195	0.01623	156.059618	1.54858		
Lobster & Crab	0.018102	21.613619	0.39125	1.982088	0.03588	2.411740	0.04366	26.007447	0.47079		
Nearshore & Groundfish Trap	0.012403	81.873436	1.01548	2.136894	0.02650	1.663126	0.02063	85.673456	1.06261		
Prawn Trap	0.459289	9.264978	4.25530	1.156090	0.53098	3.840736	1.76401	14.261804	6.55029		
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Tuna/Other Seine	2.673569	8.543684	22.84213	0.293364	0.78433	4.099904	10.96138	12.936951	34.58783		
Total			218.23963		14.03296		47.51872		279.79131		

Santa Barbara County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced	Total	Multiplier	Total
Trawl - Northern California	141	0	141	0.098970	0	0	0	0	0	77	1.644360	232
Trawl - Southern California	0	0	0	0.346004	0	0	0	0	0	0	1.773180	0
CPS Seine	0	0	0	0.000000	0	0	0	0	0	0	0.000000	0
Herring Gillnet	0	0	0	0.000000	0	0	0	0	0	0	0.000000	0
Other Gillnet	157	0	157	0.402891	0	0	0	0	0	54	1.747904	274
Salmon	47	0	47	0.402649	0	0	19	0.205650	10	10	1.608299	76
Salmon & Albacore	3,475	0	3,475	0.379071	0	0	1,317	0.225727	784	784	1.604798	5,577
Salmon & Dungeness Crab - Small Vessels	0	0	0	0.000000	0	0	0	0.000000	0	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0.212703	0	0	0	0.450894	0	0	1.663597	0
Dungeness Crab - Small Vessels	0	0	0	0.000000	0	0	0	0.000000	0	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0	0	0.000000	0	0	0	0.000000	0	0	0.000000	0
Longline	0	0	0	0.186942	0	0	0	0.464487	0	0	1.651428	0
Harpoon/Spear	0	0	0	0.282426	0	0	0	0.350980	0	0	1.633406	0
Hook & Line	0	0	0	0.424151	0	0	0	0.215656	0	0	1.639807	0
Hook & Line Live	6,756	0	6,756	0.361109	2,440	1,721	0	0.254759	1,721	1,721	1.615868	10,917
Lobster & Crab	0	0	0	0.280443	0	0	0	0.382254	0	0	1.662698	0
Nearshore & Groundfish Trap	0	0	0	0.320402	0	0	0	0.260656	0	0	1.581058	0
Prawn Trap	2,077	0	2,077	0.144433	300	991	0	0.477213	991	991	1.621646	3,368
Sea Urchin	537	0	537	0.317858	171	170	0	0.316669	170	170	1.634527	878
Tuna/Other Seine	0	0	0	0.000000	0	0	0	0.000000	0	0	0.000000	0
Total	13,190	0	13,190	0.000000	4,324	3,808	0	0.000000	3,808	3,808	0.000000	21,321

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	141	0.764175	108	0.060312	9	0.344363	49	1.168850	165		
Trawl - Southern California	0	0.510779	0	0.206401	0	0.269722	0	0.986901	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	157	0.402770	63	0.240899	38	0.217844	34	0.861512	135		
Salmon	47	0.250417	12	0.242218	11	0.129849	6	0.622485	29		
Salmon & Albacore	3,475	0.295316	1,026	0.228920	795	0.142526	495	0.666762	2,317		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	0	0.612338	0	0.128087	0	0.284697	0	1.025122	0		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Longline	0	0.631785	0	0.112946	0	0.293280	0	1.038010	0		
Harpoon/Spear	0	0.467529	0	0.171060	0	0.221611	0	0.860200	0		
Hook & Line	0	0.250094	0	0.253667	0	0.136166	0	0.639928	0		
Hook & Line Live	6,756	0.311457	2,104	0.216589	1,463	0.160856	1,087	0.688902	4,654		
Lobster & Crab	0	0.489494	0	0.167564	0	0.241358	0	0.898416	0		
Nearshore & Groundfish Trap	0	0.348473	0	0.192346	0	0.164580	0	0.705400	0		
Prawn Trap	2,077	0.689698	1,433	0.086751	180	0.301315	626	1.077764	2,239		
Sea Urchin	537	0.422830	227	0.191615	103	0.199947	107	0.814392	437		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	13,190		4,973		2,600		2,404		9,976		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	141	0.685234	97	0.036476	5	0.184399	26	0.906109	128
Trawl - Southern California	0	0.440569	0	0.124710	0	0.144430	0	0.709709	0
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	157	0.310945	49	0.145608	23	0.116651	18	0.573204	90
Salmon	47	0.125209	6	0.146926	7	0.069531	3	0.341666	16
Salmon & Albacore	3,475	0.159963	556	0.138740	482	0.076319	265	0.375022	1,303
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.518904	0	0.077761	0	0.152449	0	0.749114	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Longline	0	0.546725	0	0.067927	0	0.157045	0	0.771697	0
Harpoon/Spear	0	0.361456	0	0.102993	0	0.118668	0	0.583117	0
Hook & Line	0	0.131540	0	0.153836	0	0.072914	0	0.358290	0
Hook & Line Live	6,756	0.206152	1,393	0.130968	885	0.086135	582	0.423256	2,860
Lobster & Crab	0	0.404686	0	0.101148	0	0.129242	0	0.635076	0
Nearshore & Groundfish Trap	0	0.228285	0	0.116639	0	0.088129	0	0.433053	0
Prawn Trap	2,077	0.579091	1,203	0.052400	109	0.161348	335	0.792839	1,647
Sea Urchin	537	0.303328	163	0.115718	62	0.107067	57	0.526114	283
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	13,190		3,466		1,573		1,287		6,326

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	141	0.022068	3	0.011967	2	0.124680	18	0.161715	23	0	
Trawl - Southern California	0	0.019137	0	0.055394	0	0.097655	0	0.172186	0	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	157	0.036512	6	0.064294	10	0.078872	12	0.179679	28	0	
Salmon	47	0.051368	2	0.061407	3	0.047013	2	0.159787	8	0	
Salmon & Albacore	3,475	0.061524	214	0.058026	202	0.051603	179	0.171153	595	0	
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0.029729	0	0.032184	0	0.103077	0	0.164991	0	0	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Longline	0	0.025429	0	0.028806	0	0.106185	0	0.160420	0	0	
Harpoon/Spear	0	0.053613	0	0.043060	0	0.080236	0	0.176909	0	0	
Hook & Line	0	0.030705	0	0.065606	0	0.049300	0	0.145612	0	0	
Hook & Line Live	6,756	0.029800	201	0.055331	374	0.058240	393	0.143370	969	0	
Lobster & Crab	0	0.017751	0	0.043852	0	0.087386	0	0.148989	0	0	
Nearshore & Groundfish Trap	0	0.039272	0	0.048519	0	0.059588	0	0.147379	0	0	
Prawn Trap	2,077	0.019637	41	0.021988	46	0.109094	227	0.150719	313	0	
Sea Urchin	537	0.029189	16	0.049119	26	0.072393	39	0.150700	81	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	13,190		483		663		870		2,016		

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	100	7	44	151	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	55	33	31	118	
Salmon	8	10	5	24	
Salmon & Albacore	770	684	445	1,898	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	1,594	1,259	975	3,828	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	1,244	155	562	1,960	
Sea Urchin	179	89	96	363	
Tuna/Other Seine	0	0	0	0	
Total	3,948	2,235	2,158	8,342	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0.000141	8.745415	0.00123	0.819092	0.00012	4.640411	0.00065	14.204918	0.00200
Trawl - Southern California	0	29.969435	0.00000	3.604574	0.00000	3.634598	0.00000	37.208607	0.00000
CPS Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0.000157	23.665098	0.00372	3.994314	0.00063	2.935521	0.00046	30.594933	0.00480
Salmon	0.000047	120.985008	0.00569	3.488747	0.00016	1.749760	0.00008	126.223515	0.00593
Salmon & Albacore	0.003475	111.111107	0.38611	3.087051	0.01073	1.920584	0.00667	116.118743	0.40351
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon & Dungeness Crab - M & L Vessels	0	13.1122348	0.00000	1.783442	0.00000	3.836400	0.00000	18.742189	0.00000
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Longline	0	38.484325	0.00000	1.524212	0.00000	3.952051	0.00000	43.960589	0.00000
Harpoon/Spear	0	40.322582	0.00000	2.375092	0.00000	2.986288	0.00000	45.683961	0.00000
Hook & Line	0	432.522095	0.00000	3.822693	0.00000	1.834892	0.00000	438.179679	0.00000
Hook & Line Live	0.006756	151.975998	1.02675	3.098099	0.02093	2.167598	0.01464	157.241695	1.06232
Lobster & Crab	0	21.578510	0.00000	2.531023	0.00000	3.252383	0.00000	27.361917	0.00000
Nearshore & Groundfish Trap	0	81.904953	0.00000	2.700127	0.00000	2.217773	0.00000	86.822853	0.00000
Prawn Trap	0.002077	9.258278	0.01923	1.133760	0.00235	4.060330	0.00843	14.452368	0.03002
Sea Urchin	0.000537	38.070168	0.02044	2.698421	0.00145	2.694359	0.00145	43.462948	0.02334
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			1.46317		0.03637		0.03240		1.53193

Santa Cruz County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$	Output		Output		Output		Output		Total	Output
		Multiplier	Output	Multiplier	Output	Multiplier	Output	Multiplier	Output		
Trawl - Northern California	0	1.000000	0	0.114382	0	0.516963	0	1.631345	0		
Trawl - Southern California	0	1.000000	0	0.390237	0	0.412114	0	1.802351	0		
CPS Seine	554	1.000000	554	0.077755	43	0.573022	317	1.650777	915		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	1.000000	0	0.449330	0	0.335450	0	1.784780	0		
Salmon	3,624	1.000000	3,624	0.484364	1,755	0.211080	765	1.695444	6,144		
Salmon & Albacore	437,186	1.000000	437,186	0.452045	197,628	0.222877	97,439	1.674923	732,253		
Salmon & Dungeness Crab - Small Vessels	13,620	1.000000	13,620	0.390740	5,322	0.307139	4,183	1.697879	23,125		
Salmon & Dungeness Crab - M & L Vessels	1,170,526	1.000000	1,170,526	0.270410	316,522	0.434939	509,107	1.705349	1,996,155		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	50,461	1.000000	50,461	0.147946	7,466	0.506381	25,552	1.654327	83,479		
Longline	5,199	1.000000	5,199	0.237109	1,233	0.445963	2,319	1.683072	8,750		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	336,289	1.000000	336,289	0.514705	173,090	0.219152	73,698	1.733857	583,077		
Hook & Line Live	665	1.000000	665	0.490152	326	0.260053	173	1.750205	1,164		
Lobster & Crab	3,544	1.000000	3,544	0.371765	1,318	0.374581	1,328	1.746346	6,189		
Nearshore & Groundfish Trap	8,209	1.000000	8,209	0.455974	3,743	0.266720	2,190	1.722694	14,142		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	3,949	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	2,033,826		2,029,877		708,444		717,071		3,455,393		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Indirect	Direct	Indirect	Indirect	Induced	Induced	Multiplier		
Trawl - Northern California	0	0.764286	0	0.069709	0	0.324881	0	1.158877	0		
Trawl - Southern California	0	0.510484	0	0.233483	0	0.258989	0	1.002956	0		
CPS Seine	554	0.860315	477	0.046721	26	0.360110	200	1.267146	702		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.405451	0	0.268445	0	0.210811	0	0.884707	0		
Salmon	3,624	0.251004	910	0.283437	1,027	0.132652	481	0.667092	2,418		
Salmon & Albacore	437,186	0.299566	130,966	0.263781	115,321	0.140065	61,234	0.703413	307,522		
Salmon & Dungeness Crab - Small Vessels	13,620	0.383289	5,220	0.228351	3,110	0.193019	2,629	0.804659	10,959		
Salmon & Dungeness Crab - M & L Vessels	1,170,526	0.611761	716,082	0.154134	180,418	0.273334	319,945	1.039229	1,216,445		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	50,461	0.748781	37,784	0.082333	4,155	0.318231	16,058	1.149345	57,997		
Longline	5,199	0.631680	3,284	0.134350	698	0.280262	1,457	1.046292	5,440		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	336,289	0.250111	84,110	0.293486	98,696	0.137724	46,315	0.681321	229,121		
Hook & Line Live	665	0.311578	207	0.264234	176	0.163428	109	0.739240	492		
Lobster & Crab	3,544	0.489126	1,733	0.202602	718	0.235402	834	0.927131	3,286		
Nearshore & Groundfish Trap	8,209	0.348554	2,861	0.242464	1,990	0.167618	1,376	0.758637	6,228		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	2,029,877		983,635		406,336		450,637		1,840,608		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income		Total	Total
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.685318	0	0.041570	0	0.170053	0	0.896941	0		
Trawl - Southern California	0	0.440468	0	0.138993	0	0.135563	0	0.715025	0		
CPS Seine	554	0.777726	431	0.027984	16	0.188493	104	0.994203	551		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.311628	0	0.160040	0	0.110345	0	0.582012	0		
Salmon	3,624	0.125699	456	0.171095	620	0.069434	252	0.366228	1,327		
Salmon & Albacore	437,186	0.155228	67,864	0.158153	69,142	0.073315	32,052	0.386696	169,058		
Salmon & Dungeness Crab - Small Vessels	13,620	0.296616	4,040	0.135244	1,842	0.101032	1,376	0.532892	7,258		
Salmon & Dungeness Crab - M & L Vessels	1,170,526	0.518544	606,969	0.093011	108,872	0.143071	167,468	0.754627	883,311		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	50,461	0.662628	33,437	0.049380	2,492	0.166572	8,405	0.878579	44,334		
Longline	5,199	0.546671	2,842	0.080385	418	0.146698	763	0.773754	4,023		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	336,289	0.131558	44,242	0.176585	59,384	0.072089	24,243	0.380232	127,868		
Hook & Line Live	665	0.206199	137	0.159454	106	0.085543	57	0.451196	300		
Lobster & Crab	3,544	0.404918	1,435	0.121770	432	0.123217	437	0.649905	2,303		
Nearshore & Groundfish Trap	8,209	0.228302	1,874	0.146726	1,204	0.087737	720	0.462765	3,799		
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	2,029,877		763,726		244,527		235,877		1,244,131		

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Direct Multiplier	Direct	Indirect Multiplier	Indirect	Induced Multiplier	Induced	Total Multiplier	Total		
Trawl - Northern California	0	0.022072	0	0.017358	0	0.120083	0	0.159514	0	0	
Trawl - Southern California	0	0.019071	0	0.063399	0	0.095728	0	0.178199	0	0	
CPS Seine	554	0.014144	8	0.011819	7	0.133105	74	0.159068	88	88	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.036859	0	0.072221	0	0.077920	0	0.187000	0	0	
Salmon	3,624	0.051218	186	0.070765	256	0.049031	178	0.171014	620	620	
Salmon & Albacore	437,186	0.067690	29,593	0.066658	29,142	0.051771	22,634	0.186120	81,369	81,369	
Salmon & Dungeness Crab - Small Vessels	13,620	0.005778	79	0.058547	797	0.071344	972	0.135670	1,848	1,848	
Salmon & Dungeness Crab - M & L Vessels	1,170,526	0.029529	34,564	0.038445	45,001	0.101030	118,258	0.169004	197,824	197,824	
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Dungeness Crab - M & L Vessels	50,461	0.018491	933	0.021003	1,060	0.117625	5,935	0.157119	7,928	7,928	
Longline	5,199	0.025372	132	0.033884	176	0.103591	539	0.162847	847	847	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	336,289	0.030701	10,324	0.075362	25,343	0.050906	17,119	0.156969	52,787	52,787	
Hook & Line Live	665	0.029891	20	0.066492	44	0.060407	40	0.156790	104	104	
Lobster & Crab	3,544	0.017917	63	0.052344	186	0.052344	186	0.157270	557	557	
Nearshore & Groundfish Trap	8,209	0.039335	323	0.060494	497	0.061955	509	0.161784	1,328	1,328	
Prawn Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	2,029,877		76,225		102,509		166,442		345,300	345,300	

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced	Indirect	
Trawl - Northern California	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0
CPS Seine	439	22	178	639	639
Herring Gillnet	0	0	0	0	0
Other Gillnet	0	0	0	0	0
Salmon	641	877	429	1,947	1,947
Salmon & Albacore	97,457	98,284	54,686	250,427	250,427
Salmon & Dungeness Crab - Small Vessels	4,119	2,639	2,348	9,106	9,106
Salmon & Dungeness Crab - M & L Vessels	641,534	153,873	285,727	1,081,134	1,081,134
Dungeness Crab - Small Vessels	0	0	0	0	0
Dungeness Crab - M & L Vessels	34,370	3,552	14,341	52,262	52,262
Longline	2,974	594	1,301	4,869	4,869
Harpoon/Spear	0	0	0	0	0
Hook & Line	54,566	84,727	41,362	180,655	180,655
Hook & Line Live	157	150	97	404	404
Lobster & Crab	1,499	617	622	2,861	2,861
Nearshore & Groundfish Trap	2,197	1,701	1,229	5,127	5,127
Prawn Trap	0	0	0	0	0
Sea Urchin	0	0	0	0	0
Tuna/Other Seine	0	0	0	0	0
Total	839,951	347,036	402,320	1,589,431	1,589,431

Operational Category	Output	Employment		Employment		Employment		Employment		Total	Employment
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Induced		
Trawl - Northern California	0	8.741827	0.00000	0.898051	0.00000	4.487220	0.00000	14.127098	0.00000		
Trawl - Southern California	0	30.049648	0.00000	3.958801	0.00000	3.577132	0.00000	37.585582	0.00000		
CPS Seine	0.000554	4.205796	0.00233	0.626240	0.00035	4.973804	0.00276	9.805841	0.00543		
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Other Gillnet	0	23.411371	0.00000	4.392513	0.00000	2.911693	0.00000	30.715578	0.00000		
Salmon	0.003624	120.903542	0.43815	3.934082	0.01426	1.832164	0.00664	126.669788	0.45905		
Salmon & Albacore	0.437186	110.627708	48.36489	3.533493	1.54479	1.934561	0.84576	116.095763	50.75544		
Salmon & Dungeness Crab - Small Vessels	0.01362	42.389210	0.57734	3.045357	0.04148	2.665955	0.03631	48.100522	0.65513		
Salmon & Dungeness Crab - M & L Vessels	1.170526	13.203362	15.45488	2.099027	2.45697	3.775252	4.41903	19.077640	22.33087		
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Dungeness Crab - M & L Vessels	0.050461	8.399440	0.42384	1.112666	0.05615	4.395363	0.22179	13.907469	0.70178		
Longline	0.005199	38.451477	0.19991	1.805027	0.00938	3.870943	0.02013	44.127447	0.22942		
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Hook & Line	0.336289	432.527679	145.45430	4.349060	1.46254	1.902229	0.63970	438.778968	147.55654		
Hook & Line Live	0.000665	151.975693	0.10106	3.797363	0.00253	2.257245	0.00150	158.030301	0.10509		
Lobster & Crab	0.003544	21.505377	0.07622	3.065529	0.01086	3.251348	0.01152	27.822254	0.09860		
Nearshore & Groundfish Trap	0.008209	81.875099	0.67211	3.420975	0.02808	2.315122	0.01900	87.611196	0.71920		
Prawn Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000		
Total			211.76503		5.62739		6.22415		223.61657		

Solano County - MBNM/S Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0	0	0	0	0	0	0	0	0	0
Trawl - Southern California	0	0	0	0	0	0	0	0	0	0
CPS Seine	0	0	0	0	0	0	0	0	0	0
Herring Gillnet	0	0	0	0	0	0	0	0	0	0
Other Gillnet	0	0	0	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0	0	0	0
Salmon & Albacore	2,093	2,093	0	0	946	466	0	0	1,674,923	3,506
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	0	0	0	0	0	0
Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	0	0
Dungeness Crab - M & L Vessels	187	187	0	0	24	92	0	0	1,621,211	303
Longline	0	0	0	0	0	0	0	0	1,640,125	0
Harpoon/Spear	0	0	0	0	0	0	0	0	0	0
Hook & Line	0	0	0	0	0	0	0	0	0	0
Hook & Line Live	0	0	0	0	0	0	0	0	0	0
Lobster & Crab	0	0	0	0	0	0	0	0	1,746,346	0
Nearshore & Groundfish Trap	0	0	0	0	0	0	0	0	0	0
Prawn Trap	0	0	0	0	0	0	0	0	1,601,965	0
Sea Urchin	0	0	0	0	0	0	0	0	0	0
Tuna/Other Seine	0	0	0	0	0	0	0	0	0	0
Total	2,280	2,280	2,280	970	559	970	3,809	3,809		

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	0	0.764255	0	0.060773	0	0.310112	0	1.135140	0		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.860855	0	0.041671	0	0.345544	0	1.248069	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon	0	0.251004	0	0.283437	0	0.132652	0	0.667092	0		
Salmon & Albacore	2,093	0.299566	627	0.263781	552	0.140065	293	0.703413	1,472		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	0	0.611902	0	0.130217	0	0.256486	0	0.998605	0		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	187	0.749400	140	0.069337	13	0.302849	57	1.121586	210		
Longline	0	0.626722	0	0.113870	0	0.262110	0	1.002702	0		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Lobster & Crab	0	0.489126	0	0.202602	0	0.235402	0	0.927131	0		
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Prawn Trap	0	0.689727	0	0.086863	0	0.271153	0	1.047743	0		
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	2,280		767		565		350		1,682		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total
Trawl - Northern California	0	0.685292	0	0.036392	0	0.157538	0	0.879223	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.779013	0	0.025127	0	0.175538	0	0.979677	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.125699	0	0.171095	0	0.069434	0	0.366228	0
Salmon & Albacore	2,093	0.155228	325	0.158153	331	0.073315	153	0.386696	809
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.518660	0	0.078229	0	0.130296	0	0.727185	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	187	0.663422	124	0.041359	8	0.153848	29	0.858630	161
Longline	0	0.542293	0	0.067683	0	0.133153	0	0.743129	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.404918	0	0.121770	0	0.123217	0	0.649905	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.579110	0	0.051911	0	0.137747	0	0.768767	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	2,280		449		339		182		970

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct	Multplier	Direct	Multplier	Indirect	Multplier	Indirect	Multplier
Trawl - Northern California	0	0.509784	0	0.004135	0	0.018018	0	0.531936	0
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
CPS Seine	0	0.697171	0	0.002786	0	0.020077	0	0.720034	0
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon	0	0.051218	0	0.070765	0	0.049031	0	0.171014	0
Salmon & Albacore	2,093	0.067690	142	0.066658	140	0.051771	108	0.186120	390
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.424446	0	0.008563	0	0.014902	0	0.447912	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	187	0.537941	101	0.004645	1	0.017596	3	0.560183	105
Longline	0	0.311737	0	0.007865	0	0.015229	0	0.334832	0
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Hook & Line Live	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Lobster & Crab	0	0.017917	0	0.052344	0	0.052344	0	0.157270	0
Nearshore & Groundfish Trap	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Prawn Trap	0	0.508265	0	0.005763	0	0.015754	0	0.529783	0
Sea Urchin	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Total	2,280		242		140		112		494

Operational Category	Total Income		Total Income		Total Income
	Direct	Indirect	Induced	Total	
Trawl - Northern California	0	0	0	0	
Trawl - Southern California	0	0	0	0	
CPS Seine	0	0	0	0	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	0	0	0	0	
Salmon & Albacore	467	471	262	1,199	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	225	9	32	265	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	0	0	0	0	
Sea Urchin	0	0	0	0	
Tuna/Other Seine	0	0	0	0	
Total	691	479	294	1,464	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0	8.741587	0.00000	0.829439	0.00000	4.392569	0.00000	13.963594	0.00000
Trawl - Southern California	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	4.545455	0.00000	0.583671	0.00000	4.894437	0.00000	10.023562	0.00000
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon	0	120.903542	0.00000	3.934082	0.00000	1.832164	0.00000	126.669788	0.00000
Salmon & Albacore	0.002093	110.627708	0.23154	3.53493	0.00740	1.934561	0.00405	116.095763	0.24299
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon & Dungeness Crab - M & L Vessels	0	13.272904	0.00000	1.810180	0.00000	3.632990	0.00000	18.716074	0.00000
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0.000187	8.130082	0.00152	0.938334	0.00018	4.289684	0.00080	13.358100	0.00250
Longline	0	39.087948	0.00000	1.565384	0.00000	3.712648	0.00000	44.365980	0.00000
Harpoon/Spear	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line Live	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Lobster & Crab	0	21.505377	0.00000	3.065529	0.00000	3.251348	0.00000	27.822254	0.00000
Nearshore & Groundfish Trap	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Prawn Trap	0	9.264978	0.00000	1.156090	0.00000	3.840736	0.00000	14.261804	0.00000
Sea Urchin	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Tuna/Other Seine	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Total			0.23306		0.00757		0.00485		0.24549

Sonoma County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output		Total
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total			
Trawl - Northern California	13	0	13	1	0	0	8	0	1.710831	22	0		
Trawl - Southern California	0	0	0	0	0	0	0	0	0.000000	0	0		
CPS Seine	0	0	0	0	0	0	0	0	0.000000	0	0		
Herring Gillnet	0	0	0	0	0	0	0	0	0.000000	0	0		
Other Gillnet	0	0	0	0	0	0	0	0	1.802666	0	0		
Salmon	0	0	0	0	0	0	0	0	1.693593	0	0		
Salmon & Albacore	4,888	0	4,888	2,134	0	1,249	0	0	1.692103	8,271	0		
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	1.727697	0	0		
Salmon & Dungeness Crab - M & L Vessels	22,477	0	22,477	5,759	0	11,338	0	0	1.760650	39,574	0		
Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	1.722615	0	0		
Dungeness Crab - M & L Vessels	0	0	0	0	0	0	0	0	1.733664	0	0		
Longline	4,463	0	4,463	1,018	0	2,316	0	0	1.747084	7,797	0		
Harpoon/Spear	0	0	0	0	0	0	0	0	0.000000	0	0		
Hook & Line	9,832	0	9,832	4,817	0	2,450	0	0	1.739172	17,100	0		
Hook & Line Live	0	0	0	0	0	0	0	0	1.774592	0	0		
Lobster & Crab	0	0	0	0	0	0	0	0	1.791006	0	0		
Nearshore & Groundfish Trap	0	0	0	0	0	0	0	0	1.747059	0	0		
Prawn Trap	1,659	0	1,659	213	0	797	0	0	1.609168	2,670	0		
Sea Urchin	0	0	0	0	0	0	0	0	1.690545	0	0		
Tuna/Other Seine	0	0	0	0	0	0	0	0	0.000000	0	0		
Total	43,332	13,943	43,332	13,943	18,159	18,159	75,434	0				75,434	

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	13	0.764228	10	0.065292	1	0.371704	5	1.201224	16		
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.400729	0	0.249999	0	0.235441	0	0.886169	0		
Salmon	0	0.251006	0	0.264187	0	0.146682	0	0.661875	0		
Salmon & Albacore	4,888	0.299556	1,464	0.251240	1,228	0.157599	770	0.708394	3,463		
Salmon & Dungeness Crab - Small Vessels	0	0.383800	0	0.216055	0	0.218405	0	0.818261	0		
Salmon & Dungeness Crab - M & L Vessels	22,477	0.611761	13,751	0.144189	3,241	0.311160	6,994	1.067110	23,985		
Dungeness Crab - Small Vessels	0	0.509412	0	0.167409	0	0.264143	0	0.940965	0		
Dungeness Crab - M & L Vessels	0	0.748769	0	0.078335	0	0.364423	0	1.191526	0		
Longline	4,463	0.631801	2,820	0.127471	569	0.320159	1,429	1.079431	4,818		
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Hook & Line	9,832	0.250067	2,459	0.276526	0	0.153737	1,512	0.680330	6,689		
Hook & Line Live	0	0.311479	0	0.252213	0	0.185308	0	0.749000	0		
Lobster & Crab	0	0.489393	0	0.192047	0	0.267972	0	0.949412	0		
Nearshore & Groundfish Trap	0	0.348492	0	0.230048	0	0.189952	0	0.768492	0		
Prawn Trap	1,659	0.689703	1,144	0.067159	111	0.291179	483	1.048041	1,739		
Sea Urchin	0	0.422954	0	0.201531	0	0.217700	0	0.842185	0		
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Total	43,332		21,647		7,869		11,193		40,709		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	13	0.685261	0.039167	9	1	0.201869	3	0.926298	12
Trawl - Southern California	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
CPS Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Herring Gillnet	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Other Gillnet	0	0.308758	0.150103	0	0	0.127866	0	0.586727	0
Salmon	0	0.125703	0.160172	0	0	0.079662	0	0.365537	0
Salmon & Albacore	4,888	0.155222	0.151928	759	743	0.085591	418	0.392741	1,920
Salmon & Dungeness Crab - Small Vessels	0	0.296872	0.128787	0	0	0.118614	0	0.544273	0
Salmon & Dungeness Crab - M & L Vessels	22,477	0.518544	0.087887	11,655	1,975	0.168988	3,798	0.775420	17,429
Dungeness Crab - Small Vessels	0	0.413527	0.101273	0	0	0.143454	0	0.658254	0
Dungeness Crab - M & L Vessels	0	0.662630	0.047609	0	0	0.197915	0	0.908154	0
Longline	4,463	0.546739	0.077232	2,440	345	0.173876	776	0.797846	3,561
Harpoon/Spear	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Hook & Line	9,832	0.131514	0.168111	1,293	1,653	0.083493	821	0.383118	3,767
Hook & Line Live	0	0.206165	0.154990	0	0	0.100639	0	0.461794	0
Lobster & Crab	0	0.404806	0.117455	0	0	0.145533	0	0.667795	0
Nearshore & Groundfish Trap	0	0.228169	0.142036	0	0	0.103161	0	0.473366	0
Prawn Trap	1,659	0.579096	0.039919	961	66	0.148350	246	0.767365	1,273
Sea Urchin	0	0.303375	0.120909	0	0	0.118231	0	0.542515	0
Tuna/Other Seine	0	0.000000	0.000000	0	0	0.000000	0	0.000000	0
Total	43,332			17,117	4,782		6,062		27,962

Operational Category	Output	Property Income		Property Income		Property Income		Property Income		Total	Property Income
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier		
Trawl - Northern California	13	0.0222081	0	0.016124	0	0.131747	2	0.169951	2	2	
Trawl - Southern California	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
CPS Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Other Gillnet	0	0.039416	0	0.066568	0	0.083450	0	0.189433	0	0	
Salmon	0	0.051219	0	0.065663	0	0.051990	0	0.168872	0	0	
Salmon & Albacore	4,888	0.067689	331	0.062895	307	0.055859	273	0.186444	911	911	
Salmon & Dungeness Crab - Small Vessels	0	0.006077	0	0.055181	0	0.077411	0	0.138670	0	0	
Salmon & Dungeness Crab - M & L Vessels	22,477	0.029530	664	0.035330	794	0.110287	2,479	0.175147	3,937	3,937	
Dungeness Crab - Small Vessels	0	0.012115	0	0.042516	0	0.093623	0	0.148254	0	0	
Dungeness Crab - M & L Vessels	0	0.018485	0	0.019599	0	0.129166	0	0.167250	0	0	
Longline	4,463	0.025454	114	0.031536	141	0.113477	506	0.170466	761	761	
Harpoon/Spear	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Hook & Line	9,832	0.030690	302	0.069946	688	0.054490	536	0.155127	1,525	1,525	
Hook & Line Live	0	0.029802	0	0.061542	0	0.065681	0	0.157024	0	0	
Lobster & Crab	0	0.018126	0	0.048211	0	0.094980	0	0.161316	0	0	
Nearshore & Groundfish Trap	0	0.039217	0	0.055284	0	0.067326	0	0.161827	0	0	
Prawn Trap	1,659	0.019636	33	0.017402	29	0.111385	185	0.148422	246	246	
Sea Urchin	0	0.029203	0	0.051110	0	0.077161	0	0.157474	0	0	
Tuna/Other Seine	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0	0	
Total	43,332		1,443		1,959		3,981		7,383	7,383	

Operational Category	Total Income		Total Income Induced	Total Income Total
	Direct	Indirect		
Trawl - Northern California	9	1	4	14
Trawl - Southern California	0	0	0	0
CPS Seine	0	0	0	0
Herring Gillnet	0	0	0	0
Other Gillnet	0	0	0	0
Salmon	0	0	0	0
Salmon & Albacore	1,090	1,050	691	2,831
Salmon & Dungeness Crab - Small Vessels	0	0	0	0
Salmon & Dungeness Crab - M & L Vessels	12,319	2,770	6,277	21,366
Dungeness Crab - Small Vessels	0	0	0	0
Dungeness Crab - M & L Vessels	0	0	0	0
Longline	2,554	485	1,282	4,322
Harpoon/Spear	0	0	0	0
Hook & Line	1,595	2,341	1,357	5,292
Hook & Line Live	0	0	0	0
Lobster & Crab	0	0	0	0
Nearshore & Groundfish Trap	0	0	0	0
Prawn Trap	993	95	431	1,519
Sea Urchin	0	0	0	0
Tuna/Other Seine	0	0	0	0
Total	18,560	6,741	10,043	35,344

Operational Category	Output	Employment		Employment		Employment		Employment	
		Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total
Trawl - Northern California	0.000013	8.735024	0.862211	0.00011	0.00001	5.165397	0.00007	14.762633	0.00019
Trawl - Southern California	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
CPS Seine	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Herring Gillnet	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	26.315792	4.001234	0.00000	0.00000	3.271816	0.00000	33.588843	0.00000
Salmon	0	120.900063	3.737411	0.00000	0.00000	2.038376	0.00000	126.675850	0.00000
Salmon & Albacore	0.004888	110.636955	3.394501	0.54079	0.01659	2.190070	0.01071	116.221526	0.56809
Salmon & Dungeness Crab - Small Vessels	0	43.207283	2.938011	0.00000	0.00000	3.035078	0.00000	49.180372	0.00000
Salmon & Dungeness Crab - M & L Vessels	0.022477	13.202480	1.995654	0.29675	0.04486	4.324040	0.09719	19.522175	0.43880
Dungeness Crab - Small Vessels	0	43.286659	2.355862	0.00000	0.00000	3.670676	0.00000	49.313197	0.00000
Dungeness Crab - M & L Vessels	0	8.422889	1.060717	0.00000	0.00000	5.064218	0.00000	14.547823	0.00000
Longline	0.004463	38.503994	1.734779	0.17184	0.00774	4.449099	0.01986	44.687872	0.19944
Harpoon/Spear	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Hook & Line	0.009832	432.531006	4.082123	4.25264	0.00000	2.136414	0.02101	438.749542	4.31379
Hook & Line Live	0	151.957977	3.617172	0.00000	0.00000	2.575144	0.00000	158.150293	0.00000
Lobster & Crab	0	21.148037	2.856930	0.00000	0.00000	3.723882	0.00000	27.728848	0.00000
Nearshore & Groundfish Trap	0	81.996429	3.245178	0.00000	0.00000	2.639670	0.00000	87.881278	0.00000
Prawn Trap	0.001659	0.090972	0.009838	0.00015	0.00002	0.031444	0.00005	0.132254	0.00022
Sea Urchin	0	38.057018	2.783878	0.00000	0.00000	3.025276	0.00000	43.866173	0.00000
Tuna/Other Seine	0	0.000000	0.000000	0.00000	0.00000	0.000000	0.00000	0.000000	0.00000
Total				5.26230	0.10935		0.14888		5.52053

Ventura County - MBNMS Catch 2012

Operational Category	Revenue 2013 \$		Output		Output		Output		Output		Output	
	Direct	Indirect	Direct	Indirect	Direct	Indirect	Induced	Induced	Total	Total	Total	Total
Trawl - Northern California	121	0	121	0	14	0	62	0	1,628,373	1,740,818	197	0
Trawl - Southern California	0	0	0	0	0	0	0	0	1,740,818	1,740,818	0	0
CPS Seine	12,630	0	12,630	0	992	0	7,180	0	1,646,995	1,646,995	20,802	0
Herring Gillnet	0	0	0	0	0	0	0	0	0,000,000	0,000,000	0	0
Other Gillnet	0	0	0	0	0	0	0	0	1,732,912	1,732,912	0	0
Salmon	132	0	132	0	48	0	25	0	1,550,827	1,550,827	205	0
Salmon & Albacore	0	0	0	0	0	0	0	0	1,662,712	1,662,712	0	0
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	0,000,000	0,000,000	0	0
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	0	0	0	0	0,000,000	0,000,000	0	0
Dungeness Crab - Small Vessels	0	0	0	0	0	0	0	0	0,000,000	0,000,000	0	0
Dungeness Crab - M & L Vessels	0	0	0	0	0	0	0	0	1,638,168	1,638,168	0	0
Longline	0	0	0	0	0	0	0	0	1,663,151	1,663,151	0	0
Harpoon/Spear	0	0	0	0	0	0	0	0	1,673,785	1,673,785	0	0
Hook & Line	0	0	0	0	0	0	0	0	1,687,155	1,687,155	0	0
Hook & Line Live	0	0	0	0	0	0	0	0	1,682,660	1,682,660	0	0
Lobster & Crab	0	0	0	0	0	0	0	0	1,688,295	1,688,295	0	0
Nearshore & Groundfish Trap	0	0	0	0	0	0	0	0	1,651,490	1,651,490	0	0
Prawn Trap	4,064	0	4,064	0	769	0	1,843	0	1,642,728	1,642,728	6,676	0
Sea Urchin	469	0	469	0	169	0	143	0	1,664,763	1,664,763	781	0
Tuna/Other Seine	0	0	0	0	0	0	0	0	1,675,126	1,675,126	0	0
Total	17,416	17,416	17,416	17,416	1,992	1,992	9,252	9,252	17,416	17,416	28,660	28,660

Operational Category	Output	Value Added		Value Added		Value Added		Value Added		Total	Value Added
		Direct	Multiplier	Direct	Multiplier	Induced	Multiplier	Induced	Multiplier		
Trawl - Northern California	121	0.764153	92	0.069758	8	0.324730	39	1.158641	140		
Trawl - Southern California	0	0.510776	0	0.203940	0	0.251603	0	0.966319	0		
CPS Seine	12,630	0.860317	10,866	0.046926	593	0.359980	4,547	1.267223	16,005		
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Other Gillnet	0	0.402773	0	0.243638	0	0.204437	0	0.850847	0		
Salmon	132	0.251028	33	0.189591	25	0.112692	15	0.553311	73		
Salmon & Albacore	0	0.299487	0	0.261721	0	0.139875	0	0.701083	0		
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0		
Dungeness Crab - M & L Vessels	0	0.749047	0	0.079635	0	0.317257	0	1.145939	0		
Longline	0	0.631733	0	0.130175	0	0.279052	0	1.040960	0		
Harpoon/Spear	0	0.466422	0	0.199016	0	0.214691	0	0.880128	0		
Hook & Line	0	0.250092	0	0.277381	0	0.133676	0	0.661148	0		
Hook & Line Live	0	0.311457	0	0.247019	0	0.158778	0	0.717254	0		
Lobster & Crab	0	0.489494	0	0.185847	0	0.230795	0	0.906135	0		
Nearshore & Groundfish Trap	0	0.348467	0	0.224751	0	0.162829	0	0.736046	0		
Prawn Trap	4,064	0.689702	2,803	0.105313	428	0.287145	1,167	1.082159	4,398		
Sea Urchin	469	0.422830	198	0.214414	101	0.192959	90	0.830203	389		
Tuna/Other Seine	0	0.904618	0	0.032284	0	0.393604	0	1.330505	0		
Total	17,416		13,993		1,155		5,858		21,006		

Operational Category	Output	Labor Income		Labor Income		Labor Income		Labor Income	
		Direct	Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier
Trawl - Northern California	121	0.685210	83	0.041964	5	0.169932	21	0.897106	109
Trawl - Southern California	0	0.440568	0	0.122851	0	0.131664	0	0.695083	0
CPS Seine	12,630	0.777720	9,823	0.028392	359	0.188379	2,379	0.994490	12,560
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.310948	0	0.146851	0	0.106982	0	0.564781	0
Salmon	132	0.125718	17	0.113853	15	0.057415	8	0.296986	39
Salmon & Albacore	0	0.155216	0	0.158009	0	0.073197	0	0.386422	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.662481	0	0.047959	0	0.166021	0	0.876461	0
Longline	0	0.546693	0	0.078195	0	0.146029	0	0.770917	0
Harpoon/Spear	0	0.361204	0	0.119557	0	0.112348	0	0.593109	0
Hook & Line	0	0.131542	0	0.167800	0	0.069953	0	0.369296	0
Hook & Line Live	0	0.206148	0	0.149407	0	0.083089	0	0.438645	0
Lobster & Crab	0	0.404685	0	0.112138	0	0.120776	0	0.637599	0
Nearshore & Groundfish Trap	0	0.228292	0	0.136334	0	0.085209	0	0.449834	0
Prawn Trap	4,064	0.579094	2,353	0.065915	260	0.150264	611	0.793273	3,224
Sea Urchin	469	0.303328	142	0.128769	60	0.100976	47	0.533073	250
Tuna/Other Seine	0	0.862076	0	0.019329	0	0.205974	0	1.087379	0
Total	17,416		12,418		699		3,065		16,182

Operational Category	Output	Property Income		Property Income		Property Income		Property Income	
		Direct	Multiplier	Indirect	Multiplier	Induced	Multiplier	Total	Total
Trawl - Northern California	121	0.022080	3	0.017310	2	0.119571	14	0.158961	19
Trawl - Southern California	0	0.019135	0	0.054099	0	0.092645	0	0.165879	0
CPS Seine	12,630	0.014140	179	0.011795	149	0.132551	1,674	0.158486	2,002
Herring Gillnet	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Other Gillnet	0	0.036512	0	0.064363	0	0.075277	0	0.176152	0
Salmon	132	0.051220	7	0.048439	6	0.043108	6	0.142767	19
Salmon & Albacore	0	0.067651	0	0.065936	0	0.051504	0	0.185092	0
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - Small Vessels	0	0.000000	0	0.000000	0	0.000000	0	0.000000	0
Dungeness Crab - M & L Vessels	0	0.018601	0	0.020292	0	0.116819	0	0.155713	0
Longline	0	0.025420	0	0.032919	0	0.102752	0	0.161092	0
Harpoon/Spear	0	0.052636	0	0.049770	0	0.079053	0	0.181459	0
Hook & Line	0	0.030700	0	0.071240	0	0.049222	0	0.151162	0
Hook & Line Live	0	0.029801	0	0.062314	0	0.058465	0	0.150580	0
Lobster & Crab	0	0.017751	0	0.047895	0	0.084983	0	0.150629	0
Nearshore & Groundfish Trap	0	0.039265	0	0.055842	0	0.059956	0	0.155063	0
Prawn Trap	4,064	0.019636	80	0.026103	106	0.105732	430	0.151471	616
Sea Urchin	469	0.029189	14	0.055236	26	0.071051	33	0.155476	73
Tuna/Other Seine	0	0.012061	0	0.008125	0	0.144932	0	0.165118	0
Total	17,416		282		289		2,157		2,728

Operational Category	Total Income		Total Income		Total Income Total
	Direct	Indirect	Induced		
Trawl - Northern California	86	7	35	128	
Trawl - Southern California	0	0	0	0	
CPS Seine	10,001	508	4,053	14,562	
Herring Gillnet	0	0	0	0	
Other Gillnet	0	0	0	0	
Salmon	23	21	13	58	
Salmon & Albacore	0	0	0	0	
Salmon & Dungeness Crab - Small Vessels	0	0	0	0	
Salmon & Dungeness Crab - M & L Vessels	0	0	0	0	
Dungeness Crab - Small Vessels	0	0	0	0	
Dungeness Crab - M & L Vessels	0	0	0	0	
Longline	0	0	0	0	
Harpoon/Spear	0	0	0	0	
Hook & Line	0	0	0	0	
Hook & Line Live	0	0	0	0	
Lobster & Crab	0	0	0	0	
Nearshore & Groundfish Trap	0	0	0	0	
Prawn Trap	2,433	366	1,040	3,839	
Sea Urchin	156	86	81	323	
Tuna/Other Seine	0	0	0	0	
Total	12,699	988	5,223	18,910	

Operational Category	Output	Employment		Employment		Employment		Employment	
		Multiplier	Direct	Multiplier	Indirect	Multiplier	Induced	Total	Total
Trawl - Northern California	0.000121	8.738650	0.00106	0.849026	0.00010	4.299854	0.00052	13.887530	0.00168
Trawl - Southern California	0	29.969219	0.00000	3.414677	0.00000	3.331554	0.00000	36.715450	0.00000
CPS Seine	0.01263	4.215717	0.05324	0.584676	0.00738	4.766621	0.06020	9.567014	0.12083
Herring Gillnet	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Other Gillnet	0	23.662857	0.00000	3.848381	0.00000	2.707013	0.00000	30.218251	0.00000
Salmon	0.000132	120.895683	0.01596	2.996910	0.00040	1.683816	0.00022	125.576410	0.01658
Salmon & Albacore	0	110.663849	0.00000	3.218201	0.00000	1.852131	0.00000	115.734180	0.00000
Salmon & Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Salmon & Dungeness Crab - M & L Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - Small Vessels	0	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000	0.000000	0.00000
Dungeness Crab - M & L Vessels	0	8.583691	0.00000	0.969712	0.00000	4.200901	0.00000	13.754304	0.00000
Longline	0	38.487789	0.00000	1.616829	0.00000	3.695026	0.00000	43.799644	0.00000
Harpoon/Spear	0	40.381439	0.00000	2.498287	0.00000	2.842789	0.00000	45.722516	0.00000
Hook & Line	0	432.530640	0.00000	3.881012	0.00000	1.770045	0.00000	438.181697	0.00000
Hook & Line Live	0	151.978821	0.00000	3.281555	0.00000	2.102436	0.00000	157.362812	0.00000
Lobster & Crab	0	21.578213	0.00000	2.604912	0.00000	3.056031	0.00000	27.239156	0.00000
Nearshore & Groundfish Trap	0	81.909340	0.00000	2.901779	0.00000	2.156069	0.00000	86.967188	0.00000
Prawn Trap	0.004064	9.256977	0.03762	1.290455	0.00524	3.802177	0.01545	14.349609	0.05832
Sea Urchin	0.000469	38.070324	0.01785	2.760521	0.00129	2.555036	0.00120	43.385881	0.02035
Tuna/Other Seine	0	8.537272	0.00000	0.378846	0.00000	5.211837	0.00000	14.127955	0.00000
Total			0.12574		0.01442		0.07760		0.21775