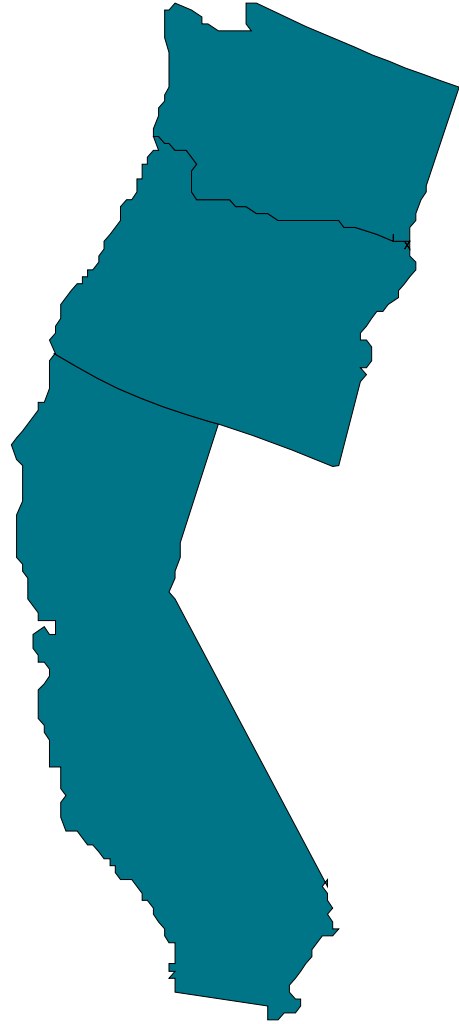


# Pacific

- California
- Oregon
- Washington



# Pacific Summary

## Management Context

The Pacific region includes the states of California, Oregon, and Washington. Federal fisheries in this region are managed by the Pacific Fishery Management Council (PFMC) and the National Marine Fisheries Service (NMFS) under four fishery management plans (FMPs).

### **Pacific Fishery Management Plans**

1. Coastal Pelagic Species
2. Pacific Coast Groundfish
3. Highly Migratory Species
4. Pacific Coast Salmon

Of the stocks covered in these fishery management plans, bocaccio, darkblotched rockfish, cowcod, and yelloweye rockfish are currently considered overfished. Eastern Pacific yellowfin tuna and Pacific bigeye tuna stocks are currently characterized as subject to overfishing.

Catch limits for Pacific halibut are set by the International Pacific Halibut Commission (IPHC). The PFMC develops a catch-sharing plan for tribal and non-tribal (commercial and recreational) fisheries based on this catch limit.

Several species of Pacific salmon are listed as threatened or endangered under the Endangered Species Act. The incidental harvest of these species is a concern. Incidental harvest of a non-target species such as endangered Pacific salmon is known as bycatch. Salmon bycatch is of particular concern for the sardine fisheries off of Oregon and Washington.

One type of market-based management tool available for fishery managers are limited access privilege programs (LAPPs). The Pacific sablefish permit stacking fishery is one such program that was put into place in 2001 and had an ex-vessel value of \$6.4 million in 2007.

Ecolabels are also considered a market-based management tool and are intended to encourage fishermen to adopt “green” harvest practices through higher market prices for sustainable seafood. The Oregon pink shrimp and Pacific halibut fisheries have received ecolabel certification from the Marine Stewardship Council.

## Commercial Fisheries

In 2006, landings by Pacific fishermen (1.2 billion pounds) had an ex-vessel value of \$472 million. Landings revenue was dominated by crab (\$144 million) and other shellfish (\$115 million). These species and groups accounted for \$259 million (55%) of landings revenue. Hake accounted for almost half of the landings in the region in 2006: 570 million pounds.



Northwest Seafoods Company Pier in Neah Bay, Washington

### **Key Pacific Commercial Species**

Commercially-important species and species groups in the Pacific include: crab, flatfish, hake (whiting), other shellfish, rockfish, sablefish, salmon, shrimp, squid, and albacore tuna.

## Economic Impacts

The Pacific region’s commercial fishing industry generated almost \$10 billion in sales impacts in California, followed by \$3.8 billion in Washington and over \$1 billion in Oregon. California also generated the highest income impacts (\$5.1 billion) and jobs (179,000). Washington had the highest landings revenue in the region with \$216 million in 2006, followed by California (\$130 million) and Oregon (\$108 million).

## Landings Revenue

Overall, ex-vessel revenue increased over 18% between 1997 and 2006, though no increase occurred when adjusted for inflation. Finfish and other fishery products revenue dropped 22% (34% in real terms), while shellfish increased 71% (45% in real terms). In 2006, Washington had the highest average landings revenue in the region (\$216 million), followed by California (\$130 million) and Oregon (\$108 million). Washington experienced the largest growth in ex-vessel landings revenue, increasing 63% nominally (38% in real terms) between 1997 and 2006. California had the largest decrease in landings revenue, dropping 26% (38% in real terms).

The Pacific’s regionally-important species comprised an average of 87% of ex-vessel revenue in the region (\$331 million). On average, crab and other shellfish contributed more to total landings revenue than any other key species or group, accounting for 24% and 23%, respectively. Squid

revenues experienced the largest decrease and increase between 1997-2006, dropping 93% (\$20 million) between 1997 and 1998 following a large El Nino event, then increasing 1949% (\$32 million) the following year.

### Commercial Fish Facts

#### Landings revenue

- On average, the regionally important species in the Pacific region accounted for 87% of the total revenue.
- Shellfish accounted for an average of 55% of total landings revenue. Crab contributed the most, approximately 44% of shellfish revenues.
- Over the 10-year period, landings revenue from finfish and other fishery products became less diversified. In 1997 salmon, hake and albacore accounted for 31% of landings revenue from this source but 53% by 2006.

#### Landings

- On average, the ten key species or groups accounted for 71% of total landings annually.
- Finfish and other fishery products accounted for almost 80% of average annual landings for the region. Hake and squid combined contributed over 50% of these landings.
- The largest annual decrease in annual landings during the time period was 96% (149 million pounds) for squid (1997-1998) following a large El Nino event, only to have the largest annual increase of 3062% (195 million pounds) the following year.

#### Prices

- Other shellfish (\$3.01 per pound), crab (\$1.81), and sablefish (\$1.44 per pound) had the highest average annual ex-vessel prices over the time period.
- Hake (\$0.05 per pound), squid (\$0.18 per pound), and flatfish (\$0.40 per pound) had the lowest average annual ex-vessel prices.
- The largest annual increase in annual ex-vessel price was for squid, a 136% increase from 2002-2003. The largest annual decrease in price was for salmon, dropping 46% from 2000-2001.

### Landings

From 1997-2006, total landings averaged 1.17 billion pounds with a range of 981 million pounds (2003) to a high of 1.34 billion pounds (1997). Total landings, landings of finfish and other fishery products, and shellfish landings all decreased between 1997 and 2006: -11%, -13%, and -4%, respectively.

Average landings for key species and species groups comprised 71% of total landings for the region. Landings of key species and groups increased 11% between 1997 and 2006 despite the decreasing landings trends for most key species and groups. Exceptions were for crab (145% increase), hake (12% increase), albacore tuna (14% increase), and other shellfish (landings were flat). Rockfish (-90%),

shrimp (-52%), flatfish (-31%), and squid (-30%) had the largest drop in landings between 1997 and 2006. Rockfish declines were largely due to management measures put in place to rebuild overfished stocks.

Squid landings experienced the largest decrease and increase of any key species or group between the 1997-2006 time period with a 96% drop in landings from 1997-1998 following a large El Nino event, only to reach a record high the following year.

### Prices

Ex-vessel prices between 1997 and 2006 increased for almost all key species or groups. Rockfish prices increased 128% (92% in real terms) from \$0.40 per pound to \$0.91 per pound, while squid prices increased 79% (51% in real terms) from \$0.14 per pound to \$0.25 per pound. Crab was the only species group where ex-vessel prices decreased, from \$1.91 per pound in 1997 to \$1.69 per pound in 2006, a 12% drop in price (-25% in real terms).

Ex-vessel price for squid experienced the largest annual increase over the time period, increasing 136% from 2002-2003. Salmon experienced the largest annual decrease in ex-vessel price, dropping 46% from 2000-2001.

### Recreational Fishing

In 2006, 1.97 million recreational anglers took fishing trips in the Pacific region. These anglers took approximately 5.9 million fishing trips, and spent \$442 million on fishing trips and \$4.2 billion on durable fishing-related equipment. These expenditures contributed between \$284 million (Oregon) and \$3.7 billion (California) in total sales of fishing trip and durable equipment impacts, between 2,500 (Oregon) and 23,000 (California) jobs, and between \$155 million (Oregon) and \$1.9 billion (California) in value-added impacts.

#### Key Pacific Recreational Fishing Species

The Pacific region's recreationally-important species and species groups are: salmon, rockfishes and scorpionfishes, greenlings, flatfishes, sculpins, surfperches, albacore and other tunas, bonito/barracuda/bass, mackerel, and croakers.

### Participation Rates

The total number of recreational fisherman across the Pacific region declined between 1997 and 1999 from 2 million anglers to 1.6 million, a 20% drop. From 1999 to 2003, there was a 57% increase in participation. Total participation peaked in 2001 and 2003 at 2.5 million anglers.

## Pacific Summary

In 2006, recreational anglers from coastal counties (1.3 million anglers) accounted for 65% of the total number of recreational anglers in the Pacific region. Non-coastal county residents accounted for 28% of total anglers (549,000 anglers) and out-of-state residents accounted for 7% (130,000 anglers).

Due to differences in the way California collected catch and effort information after 2003, total participation estimates in the Pacific region for 1997-2003 are not comparable to 2004-2006. Based on the new estimates for the 2004-2006 time period, participation was highest in 2006 with 1.97 million anglers. This was an increase of 23% from total participants in 2005.

### Recreational Fishing Facts

#### Participation

- The total number of recreational anglers in the Pacific region remained relatively stable over the time period, averaging 2.0 million anglers annually.
- In 2006, California had over 1.5 million anglers. Of these, 1.1 million were coastal county residents, 346,000 were non-coastal county residents, and 97,000 were out-of-state anglers.

#### Recreational trips

- Overall, the number of recreational fishing trips taken in the Pacific region declined 13%, from 6.7 million trips taken in 1997 to 5.9 million in 2006.
- The majority of fishing trips are taken from the shore, with these trips increasing 23% in 2006 relative to the number of trips reported in 1997. Over 80% of these trips were taken in California.
- In 2005, shore-based trips comprised the majority of fishing trips taken in California (3.1 million out of 4.5 million total trips) and Washington (512,000 out of 653,000 total trips).

#### Catch data for key species

- Over 809,000 salmon were caught by recreational anglers in 2006, a 30% decline relative to the 1.2 million caught in 1997.
- The recreational catch of mackerels was highest in the Pacific region with 5.1 million fish caught in 2006. Over 70% of these were released rather than harvested.
- Only surfperches reported an increase in catch with recreational anglers catching 65% more in 2006 relative to the numbers caught in 1997. Most of the other key species or groups reported double digit declines in catch.

### Recreational Fishing Trips

Between 1997 and 2006, the total number of fishing trips taken across the Pacific region decreased 13%, with the largest decreases in the number of party/charter boat trips (-42%) and private/rental boat trips (-43%). In contrast, fishing trips taken from shore increased 23%.

In California, 67% of fishing trips were taken from shore in 2006 with 3.1 million trips taken. Washington's anglers also preferred fishing from the shore with 512,000 shore trips in 2006, compared to 84,000 private/rental boat trips and 57,000 party/charter boat trips. In Oregon, most fishing trips were taken from a private/rental boat: 379,000 trips in 2006. Shore trips were also popular in Oregon with 232,000 trips taken, followed by 56,000 trips taken from a party/charter boat.

### Expenditures and Economic Impacts

In 2006, Pacific anglers spent a total of \$4.6 billion on both trip expenditures and purchases of durable equipment. In-state residents spent \$332 million on trip-related expenses compared to non-residents who spent \$111 million. Overall, Pacific anglers spent \$1.4 billion on boat expenses and \$1.1 billion on fishing tackle.

Expenditures on shore-based fishing trips by residents were higher than private boat (\$107 million) and for-hire (\$93 million) expenditures. Oregon was the exception; trip expenditures on private boat fishing trips (\$26 million) was higher than other types of fishing trips. Across the region, non-resident expenditures were distributed fairly evenly between for-hire (\$41 million), private boat (\$37 million), and shore-based trip (\$33 million) expenditures.

In California, recreational fishing activities contributed \$3.7 billion in trip-related and durable equipment-related sales, generated over 23,000 jobs, and \$1.9 billion in value-added impacts. Durable expenditures accounted for the majority of these economic impacts. Washington's recreational fishing activities generated \$1.1 billion in trip-related and durable equipment-related sales, over 11,000 jobs, and \$606 million in value-added impacts. Oregon had \$284 million in trip-related and durable equipment-related sales, generating over 2,500 jobs, and \$155 million in value-added impacts.

### Recreational Catch and Release

Anglers in the Pacific region caught more mackerels than any other key species or species group: 5.1 million fish in 2006. All of these fish were caught in California and was the most caught species in this state. The majority of mackerels were released (3.7 million) rather than harvested (1.4 million). Mackerels were followed by rockfishes and scorpionfishes (3.7 million fish) and surfperches (3.5 million fish) as the most caught species or groups in the region. Albacore and other tunas were the least caught of the key species or groups with approximately 69,000 fish caught in 2006, a 51% decline from the numbers caught in 1997.

Overall, almost all species and groups were caught in lower numbers in 2006 compared to 1997, with declines ranging from 51% for albacore and other tunas to 6% declines in the number of greenlings caught. Only surfperches were caught in higher numbers in 2006 with 3.5 million fish caught, a 65% increase from 1997.

Rockfishes were the most caught species or group in Oregon, with 373,000 fish caught in 2006, a 45% decline from 1997. The majority of these fish were harvested (333,000) rather than released (40,000). In Washington, herring and smelt were the most caught species or group with over 2.5 million fish caught in 2006. The majority of these were harvested (2.5 million) rather than released (126,000). This species group had the largest increase in catch compared to the other species and groups, increasing 140% between 1997 and 2006. The largest decline in catch between these years was for flatfishes (75% decline).

### **Marine Coastal Economy**

When considering all industries in the Pacific region, California had the highest number of establishments and employees, followed by Washington and Oregon. In 2005, the gross domestic product by state for California was \$1.6 trillion (13% of the national total), followed by \$271 billion in Washington (2% of the national total), and \$142 billion in Oregon (1% of the national total).

When considering commercial fishing-related industries in 2006, the Commercial Fishing Location Quotient (CFLQ) for Washington was highest in the region at 13.9. That is, the proportion of Washington workers employed in commercial fishing industries was approximately 14 times larger than the proportion of U.S. workers engaged in this sector nationally. The 2006 CFLQ in Oregon was 2.96, a 12% decrease from 2001 while the 2006 California CFLQ was 0.73, a 27% decrease from 2001.

### ***Seafood Sales and Processing***

In 2005, there were 204 non-employer establishments in the seafood retail industry in the Pacific Region. Over 80% of these firms were located in California, 15% in Washington and 3% in Oregon. In Washington, the number of firms remained stable over the 1998-2005 time period but declined sharply in Oregon (-59%) and California (-26%). Annual receipts in the region decreased 20% between 1998 (\$25 million) and 2005 (\$20 million). Annual receipts increased 61% and 24% in Oregon and Washington, respectively, but declined 26% in California.

Employer firms engaged in seafood retail increased 19% between 1998 (211) and 2005 (251), ranging from a 6% increase in California to a 84% increase in Oregon. Annual

payroll increased 49% in California, 109% in Washington and 143% in Oregon during this time period. California accounted for 60% of the annual payroll of this industry in the Pacific Region in 2005.

Non-employer firms engaged in seafood processing activities increased from 111 firms (1998) to 151 firms (2005), a 36% increase over time. The number of firms in Oregon decreased 10% from 1998 and 2005. In contrast, the number of seafood processing firms in California and Washington increased 35 and 50%, respectively. Annual receipts increased in California and Oregon approximately 30% but were flat in Washington. The number of employer establishments engaged in seafood processing activities dropped 16% in Washington, 26% in Oregon, and 35% in California. Annual payroll in California increased 57% from \$59 million in 1997 to \$93 million in 2005.

From 1998-2005, the number of seafood wholesale establishments declined in California (-19%) and Washington (-33%) but held steady in Oregon, despite considerable fluctuation throughout the time period. Annual payroll increased 30% in California but declined 20% (the information on this industry was suppressed for Oregon).

### ***Transport, Support, and Marine Operations***

Marine cargo handling and ship and boat building were the two largest employers in this sector for both California and Washington. In 2005, the California ship and boat building industry had 10,100 employees and an annual payroll of \$410 million; the marine cargo industry employed 19,300 workers and had an annual payroll \$1.3 billion. Based upon employment, these sectors expanded 3% and 105%, respectively, from 1998-2005. In Washington, the ship and boat building industry had 7,200 employees and an annual payroll of \$308 million; the marine cargo industry employed 4,500 workers and had an annual payroll \$319 million. Employment in these sectors expanded 18% and 56%, respectively, from 1998-2005. Ship and boat building employed 1,300 workers in Oregon in 2005 and had an annual payroll of \$45 million, a 31% and 39% decrease, respectively, from 1998 levels.

**2006 Economic Impacts of Commercial Fishing Industry (thousands of dollars)**

	Total Landings Revenue	Total Sales Impacts	Total Income Impacts	Total Employment Impacts
California	129,910	9,753,315	5,069,503	179,400
Oregon	107,523	1,093,582	586,724	21,728
Washington	215,789	3,769,547	2,082,372	74,994

**Total Landings Revenue and Landings Revenue of Key Species / Species Groups (thousands of dollars)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Revenue	399,569	284,802	352,924	372,800	326,861	336,017	406,981	421,023	415,181	472,434
Finfish & Other	227,398	154,993	156,655	178,146	155,825	142,687	155,883	180,280	167,519	178,286
Shellfish	172,171	129,809	196,269	194,654	171,036	193,330	251,098	240,743	247,662	294,148
Crab	66,594	58,956	80,900	77,215	67,662	73,084	130,952	114,325	97,127	143,719
Flatfish	13,973	12,322	12,569	14,243	12,980	12,003	10,836	12,742	13,816	13,184
Hake (Whiting)	27,386	18,428	18,647	20,851	13,881	13,576	17,150	21,819	29,139	35,232
Other Shellfish	75,367	61,839	73,799	83,447	80,155	89,298	89,268	100,639	107,438	114,972
Rockfish	20,213	16,846	12,489	15,079	11,461	9,462	5,922	5,125	4,693	4,791
Sablefish	29,321	11,976	17,820	21,066	18,173	12,421	18,843	17,369	20,366	22,995
Salmon	23,897	15,613	14,563	24,359	22,762	27,534	32,637	49,131	37,783	34,947
Shrimp	24,064	14,997	21,265	21,819	17,852	22,459	12,582	12,389	15,706	12,457
Squid	21,882	1,624	33,277	27,242	16,918	18,258	25,331	19,730	31,473	26,960
Tuna, Albacore	19,675	18,702	17,704	17,139	20,608	14,219	24,366	27,241	20,574	23,722

**Total Landings and Landings of Key Species / Species Groups (thousands of pounds)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Landings	1,339,654	993,005	1,299,395	1,293,507	1,133,805	1,068,086	980,535	1,129,948	1,301,644	1,187,150
Finfish & Other	1,095,375	928,351	1,009,691	943,729	859,656	796,664	753,018	935,153	1,071,074	953,019
Shellfish	244,702	65,046	288,605	350,870	280,787	278,749	231,177	197,313	231,119	234,332
Crab	34,871	32,717	40,969	36,617	33,614	42,445	81,892	68,490	61,849	85,290
Flatfish	40,852	35,253	39,678	36,772	31,580	29,364	24,661	29,909	31,495	28,211
Hake (Whiting)	507,981	509,486	491,246	452,752	379,165	285,547	309,300	474,460	569,273	570,459
Other Shellfish	30,450	22,110	27,088	31,036	29,081	30,874	27,611	30,270	30,907	30,516
Rockfish	50,704	37,666	25,688	24,307	17,065	11,840	7,672	6,632	6,014	5,253
Sablefish	18,126	10,077	15,031	14,176	12,760	8,678	12,204	12,904	13,742	13,721
Salmon	31,102	19,344	13,482	21,790	37,516	45,234	42,891	43,143	27,798	29,454
Shrimp	42,710	13,833	32,652	36,941	41,965	58,758	33,000	22,410	26,069	20,358
Squid	155,046	6,381	201,762	262,133	189,877	160,657	99,079	88,147	122,916	108,420
Tuna, Albacore	24,596	30,372	21,454	19,915	24,578	21,996	36,577	31,764	19,649	28,056

**Average Annual Price for Key Species / Species Groups**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Crab	1.91	1.80	1.97	2.11	2.01	1.72	1.60	1.67	1.57	1.69
Flatfish	0.34	0.35	0.32	0.39	0.41	0.41	0.44	0.43	0.44	0.47
Hake (Whiting)	0.05	0.04	0.04	0.05	0.04	0.05	0.06	0.05	0.05	0.06
Other Shellfish	2.48	2.80	2.72	2.69	2.76	2.89	3.23	3.32	3.48	3.77
Rockfish	0.40	0.45	0.49	0.62	0.67	0.80	0.77	0.77	0.78	0.91
Sablefish	1.62	1.19	1.19	1.49	1.42	1.43	1.54	1.35	1.48	1.68
Salmon	0.77	0.81	1.08	1.12	0.61	0.61	0.76	1.14	1.36	1.19
Shrimp	0.56	1.08	0.65	0.59	0.43	0.38	0.38	0.55	0.60	0.61
Squid	0.14	0.25	0.16	0.10	0.09	0.11	0.26	0.22	0.26	0.25
Tuna, Albacore	0.80	0.62	0.83	0.86	0.84	0.65	0.67	0.86	1.05	0.85

Note: The Pacific Region includes landings by Pacific at-sea processors. However, revenue from these landings are not included in the California, Oregon, and Washington information presented in the "2006 Economic Impacts of Commercial Fishing Industry" table above.

**Recreational Fishing Effort by Mode (thousands of trips)<sup>1</sup>**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Party / Charter	1,094	958	891	1,212	927	714	869	638	623	630
Private / Rental	2,517	2,724	2,611	3,535	4,205	3,600	3,752	1,277	1,328	1,426
Shore	3,090	2,514	1,914	2,675	3,265	3,507	3,443	3,539	3,274	3,804
<b>Total Trips</b>	<b>6,701</b>	<b>6,196</b>	<b>5,416</b>	<b>7,422</b>	<b>8,397</b>	<b>7,821</b>	<b>8,065</b>	<b>5,455</b>	<b>5,226</b>	<b>5,861</b>

**Recreational Anglers by Residential Area (thousands of anglers)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal	1,234	1,196	1,048	1,419	1,558	1,591	1,632	1,139	1,004	1,287
Non-Coastal	640	474	428	552	813	665	720	526	491	549
Out of State	150	137	133	176	178	166	178	130	107	130
<b>Total Anglers</b>	<b>2,024</b>	<b>1,806</b>	<b>1,609</b>	<b>2,147</b>	<b>2,548</b>	<b>2,422</b>	<b>2,530</b>	<b>1,794</b>	<b>1,602</b>	<b>1,966</b>

**2006 Angler Trip & Durable Equipment Expenditures (thousands of dollars)**

Fishing Mode	Trip Expenditures		Durable Equipment Expenditure Category	Expenditures
	Non-Residents	Residents		
Private Boat	37,025	107,063	Fishing Tackle	1,128,949
Shore	33,020	131,807	Other Equipment	499,916
For-Hire	40,676	92,780	Boat Expenses	1,445,827
Total Trip Expenditures	110,721	331,650	Vehicle Expenses	786,717
			Second Home Expenses	333,540
			Total Durable Equipment Expenditures	4,194,949
<b>Total Gulf of Mexico Region Trip and Durable Equipment Expenditures</b>				<b>4,637,320</b>

**2006 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)**

	Trips	Jobs	Total Sales	Value Added
California	4,540,000	23,454	3,699,176	1,918,317
Oregon	667,733	2,527	283,578	154,957
Washington	653,000	11,025	1,126,920	606,474

**Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)<sup>1</sup>**

Species		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Barracuda, Bass, and Bonito <sup>2</sup>	H	1,624	1,462	1,262	2,493	1,720	1,965	1,888	2,126	780	670
	R	2,931	2,545	2,087	4,210	3,502	4,427	3,727	2,597	2,288	1,651
Croakers	H	857	641	524	541	631	1,513	758	619	688	597
	R	673	392	600	751	737	1,016	871	660	826	771
Flatfishes	H	699	491	485	947	691	1,209	681	499	530	295
	R	741	387	740	1,139	1,115	2,063	948	342	725	614
Greenlings	H	336	247	250	296	288	455	512	210	256	259
	R	182	172	160	372	446	957	858	329	265	225
Mackerels	H	2,106	1,055	479	587	1,356	800	918	945	919	1,446
	R	3,658	2,025	812	1,319	2,600	1,730	2,011	1,715	1,976	3,701
Rockfishes and Scorpionfishes	H	4,579	3,689	4,569	3,569	3,241	2,737	3,624	2,413	2,459	2,811
	R	626	596	741	681	787	931	1,665	751	798	862
Salmon	H	669	364	321	552	1,110	669	920	824	556	374
	R	487	281	265	358	754	500	616	705	339	435
Sculpins	H	140	123	94	85	114	116	107	77	72	73
	R	439	242	209	389	349	404	291	239	216	295
Surfperches	H	1,224	1,411	679	731	915	829	1,144	1,302	1,331	1,588
	R	884	529	382	508	579	729	1,174	1,556	1,463	1,889
Tuna, Albacore and Other	H	125	169	186	73	145	140	161	85	37	53
	R	15	48	17	24	38	15	87	14	9	16

<sup>1</sup>Due to changes in data collection methods, the Pacific Region's effort (number of trips) and catch (number of fish harvested or released) estimates for 1997-2003 are not comparable to 2004-2006 estimates.

<sup>2</sup>Species included in this group may not be equivalent to species with similar names listed in the commercial tables.

**2006 Economic Impacts of Commercial Fishing Industry (thousands of dollars)**

	Sales Impacts	Income Impacts	Employment Impacts
<b>Total Impacts</b>	9,753,315	5,069,503	179,400
Commercial Harvesters	150,973	67,115	1,928
Seafood Processors and Dealers	838,727	264,731	5,706
Seafood Wholesalers and Distributors	2,252,663	1,071,722	19,392
Retail Sectors	6,510,953	3,665,934	152,374

**Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Revenue	176,510	110,094	148,902	142,126	107,837	111,749	133,580	139,674	116,125	129,910
Finfish & Other	110,295	70,622	79,747	82,315	65,296	59,822	53,834	59,100	46,681	43,167
Shellfish	66,215	39,472	69,155	59,811	42,541	51,927	79,746	80,574	69,444	86,743
Crab	20,233	21,517	18,242	15,207	10,630	15,076	37,455	42,340	19,653	46,483
Lobster, Spiny	6,759	4,707	3,650	4,710	4,524	4,761	5,278	5,942	6,039	8,111
Rockfish	8,600	8,173	4,544	6,212	5,143	5,287	3,462	3,228	2,752	3,104
Sablefish	9,065	3,380	4,304	5,224	4,174	3,509	4,721	3,722	4,295	4,892
Salmon	7,330	3,058	7,427	10,340	4,770	7,653	12,192	18,069	12,845	5,264
Sardine, Pacific	4,077	3,622	5,071	5,473	6,281	5,848	2,874	3,957	3,150	5,100
Sea Urchins	15,274	7,890	13,430	15,052	11,680	10,360	7,906	7,300	6,156	5,145
Shrimp	12,424	8,528	8,604	7,401	5,977	5,901	3,520	3,820	4,338	4,213
Squid	21,887	1,696	33,282	27,243	16,918	18,259	25,333	19,724	31,467	26,959
Swordfish	6,059	5,696	8,355	11,777	8,696	6,372	7,850	4,834	1,896	2,695

**Total Landings and Landings of Key Species / Species Groups (thousands of pounds)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Landings	648,393	342,861	648,627	650,334	524,412	499,627	374,986	378,759	442,370	341,666
Finfish & Other	462,746	317,448	426,660	372,042	321,505	321,503	245,605	257,961	302,010	203,112
Shellfish	185,647	25,413	221,967	278,292	202,907	178,124	129,381	120,798	140,360	138,554
Crab	11,338	12,095	9,596	7,643	4,837	8,607	23,922	26,258	12,028	27,391
Lobster, Spiny	910	738	494	707	706	699	736	830	761	886
Rockfish	16,416	15,359	6,453	6,492	4,833	5,135	3,538	3,152	2,467	2,544
Sablefish	6,542	3,193	4,351	4,140	3,433	2,893	3,636	3,157	3,645	3,617
Salmon	6,080	2,125	4,422	5,913	2,767	5,689	7,358	7,133	4,979	1,189
Sardine, Pacific	94,541	95,484	130,850	118,308	114,235	128,583	76,528	97,483	76,324	102,683
Sea Urchins	18,130	10,429	14,198	15,194	13,117	14,141	11,107	12,219	11,304	10,664
Shrimp	16,852	4,401	7,943	5,791	5,598	5,867	3,498	3,522	2,944	1,197
Squid	155,059	6,620	201,776	262,134	189,877	160,665	99,088	88,105	122,887	108,410
Swordfish	3,179	2,978	4,429	5,849	4,837	3,778	4,706	2,613	653	1,187

**Average Annual Price for Key Species / Species Groups**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Crab	1.78	1.78	1.90	1.99	2.20	1.75	1.57	1.61	1.63	1.70
Lobster, Spiny	7.42	6.38	7.39	6.67	6.41	6.81	7.18	7.16	7.93	9.15
Rockfish	0.52	0.53	0.70	0.96	1.06	1.03	0.98	1.02	1.12	1.22
Sablefish	1.39	1.06	0.99	1.26	1.22	1.21	1.30	1.18	1.18	1.35
Salmon	1.21	1.44	1.68	1.75	1.72	1.35	1.66	2.53	2.58	4.43
Sardine, Pacific	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05
Sea Urchins	0.84	0.76	0.95	0.99	0.89	0.73	0.71	0.60	0.54	0.48
Shrimp	0.74	1.94	1.08	1.28	1.07	1.01	1.01	1.08	1.47	3.52
Squid	0.14	0.26	0.16	0.10	0.09	0.11	0.26	0.22	0.26	0.25
Swordfish	1.91	1.91	1.89	2.01	1.80	1.69	1.67	1.85	2.90	2.27



**Recreational Fishing Effort by Mode (thousands of trips)<sup>1</sup>**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Party / Charter	966	840	775	1,091	815	588	733	510	503	517
Private / Rental	1,919	2,241	2,113	2,812	2,861	2,905	3,117	708	826	963
Shore	2,423	1,884	1,447	2,006	2,238	2,501	2,699	2,795	2,530	3,060
<b>Total Trips</b>	<b>5,308</b>	<b>4,965</b>	<b>4,335</b>	<b>5,909</b>	<b>5,914</b>	<b>5,994</b>	<b>6,549</b>	<b>4,013</b>	<b>3,859</b>	<b>4,540</b>

**Recreational Anglers by Residential Area (thousands of anglers)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal	1,012	988	866	1,164	1,141	1,261	1,379	898	776	1,069
Non-Coastal	449	304	240	324	401	444	493	310	285	346
Out of State	113	104	102	146	134	114	141	92	74	97
<b>Total Anglers</b>	<b>1,574</b>	<b>1,396</b>	<b>1,208</b>	<b>1,635</b>	<b>1,676</b>	<b>1,818</b>	<b>2,014</b>	<b>1,300</b>	<b>1,135</b>	<b>1,512</b>

**2006 Angler Trip & Durable Equipment Expenditures (thousands of dollars)**

Fishing Mode	Trip Expenditures		Durable Equipment Expenditure Category		Expenditures
	Non-Residents	Residents			
Private Boat	22,856	74,359	Fishing Tackle		995,275
Shore	24,321	101,869	Other Equipment		400,039
For-Hire	35,543	74,668	Boat Expenses		371,485
Total Trip Expenditures	82,720	250,896	Vehicle Expenses		649,882
			Second Home Expenses		275,934
			Total Durable Equipment Expenditures		2,692,613
<b>Total State Trip and Durable Equipment Expenditures</b>					<b>3,026,229</b>

**2006 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)**

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat Mode Trip Impacts	1,013	135,694	72,385
Shore Mode Trip Impacts	1,494	172,638	94,175
Party/Charter Mode Trip Impacts	1,631	176,944	100,982
Total Durable Equipment Impacts	19,316	3,213,900	1,650,775
<b>Total State Trip and Durable Equipment Economic Impacts</b>	<b>23,454</b>	<b>3,699,176</b>	<b>1,918,317</b>

**Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)<sup>1</sup>**

Species		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Barracuda, Bass, and Bonito <sup>2</sup>	H	1,624	1,462	1,262	2,493	1,720	1,965	1,888	2,126	780	670
	R	2,931	2,545	2,087	4,210	3,502	4,427	3,727	2,597	2,288	1,651
Croakers	H	857	641	524	541	631	1,513	758	619	688	597
	R	673	392	600	751	737	1,016	871	660	826	771
Flatfishes	H	410	239	336	780	556	962	603	410	449	211
	R	589	282	644	1,034	1,043	1,844	850	295	677	565
Greenlings	H	135	103	122	102	109	215	357	72	111	128
	R	87	104	101	249	297	641	717	239	162	131
Mackerels	H	2,106	1,055	479	587	1,356	800	918	945	919	1,446
	R	3,658	2,025	812	1,319	2,600	1,730	2,011	1,715	1,976	3,701
Rockfishes and Scorpionfishes	H	3,547	2,485	3,737	2,753	2,585	2,116	3,035	1,778	1,751	2,196
	R	571	567	721	582	720	844	1,621	701	708	799
Salmon	H	273	140	104	207	116	201	109	261	170	121
	R	107	42	47	48	45	40	38	97	58	70
Sculpins	H	76	74	60	46	82	60	70	41	35	38
	R	197	83	126	132	206	184	140	98	72	153
Surfperches	H	966	1,113	498	404	630	586	878	1,046	1,075	1,333
	R	769	427	213	264	432	563	1,016	1,402	1,309	1,734
Tuna, Albacore and Other	H	94	136	174	57	125	103	134	44	5	8
	R	9	39	14	21	32	5	81	8	2	8

<sup>1</sup>Due to changes in data collection methods, California recreational effort (number of trips) and catch (number of fish harvested or released) estimates for 1997-2003 are not comparable to 2004-2006 estimates.

<sup>2</sup>Species included in this group may not be equivalent to species with similar names listed in the commercial tables.

State Economy (% of national total)						
	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Fishing Location Quotient
1998	773,925 (11.15%)	12,026,989 (11.12%)	406,481 (12.28%)	769,101 (12.97%) (2001) <sup>1</sup>	1,085,884 (12.51%)	1.00 (2001) <sup>2</sup>
2005	860,866 (11.48%)	13,382,470 (11.51%)	588,450 (13.13%)	917,475 (13.08%)	1,616,351 (13.06%)	0.73 (2006) <sup>2</sup>
% change	11.2	11.3	44.8	19.3	48.9	-27.0

**Seafood Sales and Processing – Non-Employer Firms and Annual Receipts** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Seafood sales, retail	Firms	223	180	166	157	165	192	193	166
	Receipts	22,725	19,315	19,270	18,138	18,225	19,771	19,092	16,892
Seafood product preparation & packaging	Firms	65	61	72	71	70	77	98	88
	Receipts	7,777	10,592	11,405	12,983	9,123	9,858	14,312	10,207

**Seafood Sales and Processing – Employer Establishments, Employees, and Annual Payroll** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Seafood sales, retail	Establishments	170	170	172	165	186	175	169	180
	Employees	883	902	828	917	988	968	945	999
	Payroll	12,654	12,906	13,815	15,172	16,775	19,919	16,686	18,832
Seafood sales, wholesale	Establishments	317	337	360	361	334	269	263	258
	Employees	3,618	3,793	4,174	4,507	4,539	3,536	3,744	3,925
	Payroll	103,705	115,021	128,092	142,656	151,789	115,669	124,657	134,576
Seafood product preparation & packaging	Establishments	74	70	78	73	63	60	55	48
	Employees	3,205	2,777	3,289	2,962	3,357	2,896	2,931	2,963
	Payroll	58,934	60,251	75,858	66,387	82,116	74,637	72,178	92,642

**Transport, Support, and Marine Operations – Employer Establishments, Employees, and Annual Payroll** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Deep sea freight transportation	Establishments	47	50	44	43	44	51	50	54
	Employees	2,141	F	1,323	1,117	F	902	901	F
	Payroll	117,289	F	51,131	63,891	F	62,417	69,815	F
Coastal & Great Lakes freight transportation	Establishments	26	22	24	31	31	22	20	26
	Employees	1,477	F	1,394	1,648	1,776	1,341	F	1,346
	Payroll	92,976	F	99,106	119,808	132,432	117,982	F	129,262
Marine cargo handling	Establishments	53	53	66	70	64	56	54	54
	Employees	9,397	9,288	15,330	15,076	15,274	15,557	20,456	19,303
	Payroll	810,330	836,880	880,397	944,374	1,000,809	1,040,515	1,179,221	1,273,698
Navigational services to shipping	Establishments	47	49	42	37	30	35	38	37
	Employees	747	806	702	647	476	850	F	F
	Payroll	33,590	33,164	35,480	33,764	28,197	53,162	F	F
Ship & boat building	Establishments	148	144	143	155	145	141	143	141
	Employees	9,864	9,166	9,204	8,589	7,782	8,574	8,865	10,132
	Payroll	334,276	329,705	335,172	322,296	315,090	314,706	354,404	410,446
Marinas	Establishments	265	265	266	249	248	263	271	263
	Employees	2,020	1,925	2,000	1,862	1,851	2,485	2,476	2,426
	Payroll	48,856	44,511	50,106	52,602	57,393	70,640	73,338	71,318
Port and harbor operations	Establishments	24	24	23	21	23	19	20	20
	Employees	806	649	650	163	139	417	F	F
	Payroll	29,102	19,023	19,056	9,990	7,668	23,110	F	F

F = Data is suppressed due to confidentiality restrictions.

<sup>1</sup>Employee Compensation data is currently available from 2001-2005.

<sup>2</sup>Commercial Fishing Location Quotient data is available from 2001-2006 for most states. Data from other years is displayed when 2/001 and/or 2006 data is unavailable.

**2006 Economic Impacts of Commercial Fishing Industry (thousands of dollars)**

	Sales Impacts	Income Impacts	Employment Impacts
<b>Total Impacts</b>	1,093,582	586,724	21,728
Commercial Harvesters	120,718	63,129	1,579
Seafood Processors and Dealers	125,955	47,207	1,434
Seafood Wholesalers and Distributors	161,694	79,585	1,548
Retail Sectors	685,215	396,803	17,166

**Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>Total Revenue</b>	71,409	50,475	71,139	83,248	72,615	68,376	86,781	101,196	88,196	107,523
Finfish & Other	46,887	33,562	35,356	45,074	41,462	32,155	40,890	49,807	53,192	47,687
Shellfish	24,522	16,913	35,783	38,174	31,152	36,221	45,890	51,389	35,005	59,837
Crab	14,689	12,521	23,108	23,747	19,356	20,767	37,122	42,962	26,603	53,856
Flatfish	5,459	5,407	5,764	6,656	6,103	5,156	6,632	6,460	7,281	7,757
Hake (Whiting)	6,823	3,756	5,917	6,081	4,132	3,219	3,642	4,641	7,107	8,781
Oysters	1,334	495	2,857	3,540	3,536	3,143	3,292	3,292	1,232	1,163
Rockfish	7,367	6,679	5,928	6,956	4,791	2,937	1,812	1,191	970	1,108
Sablefish	10,404	4,648	7,764	9,267	7,987	4,481	7,407	7,076	8,657	9,790
Salmon	2,768	2,588	2,040	4,026	5,861	6,935	8,839	13,029	10,435	4,940
Sardine, Pacific	0	1	86	1,149	1,593	2,819	2,941	4,870	6,199	3,944
Shrimp	7,910	3,189	9,571	10,192	7,560	11,353	5,051	4,740	6,901	4,518
Tuna, Albacore	7,342	6,537	3,784	7,488	7,544	2,952	6,169	9,144	8,815	8,069

**Total Landings and Landings of Key Species / Species Groups (thousands of pounds)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>Total Landings</b>	262,492	230,467	249,449	264,144	234,405	210,752	226,319	294,901	312,636	300,701
Finfish & Other	234,192	216,502	215,850	226,385	195,086	155,612	180,790	254,364	278,646	254,756
Shellfish	28,300	13,964	33,599	37,758	39,319	55,141	45,529	40,536	33,990	45,945
Crab	7,847	7,412	12,348	11,223	9,754	12,452	23,934	27,277	17,734	33,319
Flatfish	15,865	15,621	18,095	16,494	14,488	11,489	14,372	14,846	16,910	16,907
Hake (Whiting)	162,782	157,895	160,965	151,461	117,673	71,220	80,648	130,238	135,503	135,186
Oysters	333	198	674	834	884	786	823	823	308	255
Rockfish	21,915	16,962	14,128	13,604	8,903	4,076	2,782	1,904	1,416	1,399
Sablefish	6,543	3,889	6,590	6,256	5,697	3,185	4,798	5,627	5,834	5,841
Salmon	2,235	1,971	1,558	3,124	5,265	6,117	6,718	5,932	4,659	1,778
Sardine, Pacific	0	2	1,710	21,005	28,176	50,069	55,683	79,610	99,450	78,634
Shrimp	19,560	6,096	20,451	25,462	28,482	41,584	20,546	12,207	15,784	12,195
Tuna, Albacore	9,168	10,601	4,553	8,756	8,948	4,362	9,165	10,754	8,087	8,536

**Average Annual Price for Key Species / Species Groups**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Crab	1.87	1.69	1.87	2.12	1.98	1.67	1.55	1.58	1.50	1.62
Flatfish	0.34	0.35	0.32	0.40	0.42	0.45	0.46	0.44	0.43	0.46
Hake (Whiting)	0.04	0.02	0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.06
Oysters	4.00	2.50	4.24	4.24	4.00	4.00	4.00	4.00	4.00	4.56
Rockfish	0.34	0.39	0.42	0.51	0.54	0.72	0.65	0.63	0.69	0.79
Sablefish	1.59	1.20	1.18	1.48	1.40	1.41	1.54	1.26	1.48	1.68
Salmon	1.24	1.31	1.31	1.29	1.11	1.13	1.32	2.20	2.24	2.78
Sardine, Pacific	0.00	0.35	0.05	0.05	0.06	0.06	0.05	0.06	0.06	0.05
Shrimp	0.40	0.52	0.47	0.40	0.27	0.27	0.25	0.39	0.44	0.37
Tuna, Albacore	0.80	0.62	0.83	0.86	0.84	0.68	0.67	0.85	1.09	0.95

**Recreational Fishing Effort by Mode (thousands of trips)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Party / Charter	74	73	67	69	79	67	67	64	58	56
Private / Rental	302	301	257	355	520	448	426	434	389	379
Shore	239	148	141	214	357	295	232	232	232	232
<b>Total Trips</b>	<b>615</b>	<b>522</b>	<b>465</b>	<b>638</b>	<b>956</b>	<b>810</b>	<b>726</b>	<b>731</b>	<b>680</b>	<b>668</b>

**Recreational Anglers by Residential Area (thousands of anglers)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal	88	79	65	76	119	113	102	106	97	93
Non-Coastal	146	127	124	163	200	179	169	164	156	156
Out of State	25	20	20	19	29	27	24	25	22	22
<b>Total Anglers</b>	<b>258</b>	<b>226</b>	<b>210</b>	<b>258</b>	<b>348</b>	<b>320</b>	<b>294</b>	<b>294</b>	<b>274</b>	<b>271</b>

**2006 Angler Trip & Durable Equipment Expenditures (thousands of dollars)**

Fishing Mode	Trip Expenditures		Durable Equipment Expenditure Category	Expenditures
	Non-Residents	Residents		
Private Boat	12,907	25,879	Fishing Tackle	35,296
			Other Equipment	30,992
Shore	3,753	10,718	Boat Expenses	22,255
			Vehicle Expenses	71,596
For-Hire	4,036	7,280	Second Home Expenses	28,377
			Total Durable Equipment Expenditures	188,516
<b>Total Trip Expenditures</b>	<b>20,696</b>	<b>43,877</b>		
<b>Total State Trip and Durable Equipment Expenditures</b>				<b>253,089</b>

**2006 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)**

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat Mode Trip Impacts	544	47,397	27,328
Shore Mode Trip Impacts	205	17,448	9,941
Party/Charter Mode Trip Impacts	228	17,523	9,879
Total Durable Equipment Impacts	1,550	201,211	107,809
<b>Total State Trip and Durable Equipment Economic Impacts</b>	<b>2,527</b>	<b>283,578</b>	<b>154,957</b>

**Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)<sup>1</sup>**

Species		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Baitfishes	H	340	227	12	54	500	774	318	318	318	318
	R	25	4	8	(1)	88	21	24	24	24	24
Flatfishes	H	13	12	8	9	16	31	16	27	20	21
	R	6	9	3	3	6	10	6	6	7	7
Greenlings	H	97	44	64	95	106	155	96	99	106	99
	R	60	43	49	86	116	175	77	65	78	72
Rockfishes	H	668	673	528	548	457	384	406	379	401	333
	R	12	6	11	91	53	37	24	25	57	40
Salmon	H	61	41	41	92	259	148	241	215	95	79
	R	75	51	27	33	167	98	187	193	65	59
Sculpins	H	29	19	12	15	22	21	21	19	19	18
	R	53	40	18	55	58	78	51	51	54	52
Sturgeons	H	12	14	4	13	18	12	12	12	12	12
	R	28	33	7	24	30	27	25	25	25	25
Surfperches	H	100	96	73	129	196	139	122	122	122	122
	R	44	18	17	17	46	61	34	34	34	34
Tuna, Albacore	H	17	12	3	4	9	4	11	18	6	12
	R	5	4	1	2	3	2	(1)	(1)	(1)	(1)

<sup>1</sup>In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = less than 1000 fish were harvested or released.

State Economy (% of national total)						
	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Fishing Location Quotient
1998	99,183 (1.43%)	1,310,750 (1.21%)	37,723 (1.14%)	67,370 (1.14%) (2001) <sup>1</sup>	100,951 (1.16%)	3.38 (2001) <sup>2</sup>
2005	108,571 (1.45%)	1,409,576 (1.21%)	50,019 (1.12%)	81,772 (1.17%)	141,831 (1.15%)	2.96 (2006) <sup>2</sup>
% change	9.5	7.5	32.6	21.4	40.5	-12.4

**Seafood Sales and Processing – Non-Employer Firms and Annual Receipts** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Seafood sales, retail	Firms	17	13	16	14	13	10	11	7
	Receipts	613	858	628	851	644	428	507	985
Seafood product preparation & packaging	Firms	10	11	8	11	F	F	F	9
	Receipts	233	369	461	424	F	F	F	309

**Seafood Sales and Processing – Employer Establishments, Employees, and Annual Payroll** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Seafood sales, retail	Establishments	13	16	18	16	28	21	24	24
	Employees	86	99	113	116	129	F	171	204
	Payroll	1,423	1,794	1,844	1,945	2,311	F	3,259	3,464
Seafood sales, wholesale	Establishments	22	21	25	29	33	26	21	23
	Employees	360	310	F	295	F	F	126	F
	Payroll	9,364	8,174	F	8,698	F	F	4,446	F
Seafood product preparation & packaging	Establishments	27	28	27	27	19	19	18	20
	Employees	1,095	980	1,036	875	707	720	738	762
	Payroll	19,603	20,753	22,718	23,616	20,867	21,980	20,593	19,022

**Transport, Support, and Marine Operations – Employer Establishments, Employees, and Annual Payroll** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Deep sea freight transportation	Establishments	8	7	5	4	7	6	6	6
	Employees	F	F	F	F	F	F	F	F
	Payroll	F	F	F	F	F	F	F	F
Coastal & Great Lakes freight transportation	Establishments	5	6	8	7	10	8	8	9
	Employees	F	F	F	F	F	F	F	F
	Payroll	F	F	F	F	F	F	F	F
Marine cargo handling	Establishments	10	9	9	9	7	8	8	8
	Employees	F	F	F	F	F	F	F	F
	Payroll	F	F	F	F	F	F	F	F
Navigational services to shipping	Establishments	24	25	23	21	18	21	21	21
	Employees	F	F	F	F	F	F	F	F
	Payroll	F	F	F	F	F	F	F	F
Ship & boat building	Establishments	54	51	48	51	44	43	50	43
	Employees	1,883	2,095	2,506	1,969	1,323	1,284	1,285	1,298
	Payroll	73,822	79,567	87,018	69,200	47,303	42,270	43,357	45,183
Marinas	Establishments	44	43	38	33	41	42	41	40
	Employees	113	F	93	F	F	122	133	113
	Payroll	2,513	F	1,830	F	F	2,742	2,988	3,550
Port and harbor operations	Establishments	1	1	1	1	1	1	M	M
	Employees	F	F	F	F	F	F	M	M
	Payroll	F	F	F	F	F	F	M	M

F = Data is suppressed due to confidentiality restrictions. M = Data is not available.

<sup>1</sup>Employee Compensation data is currently available from 2001-2005.

<sup>2</sup>Commercial Fishing Location Quotient data is available from 2001-2006 for most states. Data from other years is displayed when 2001 and/or 2006 data is unavailable.

**2006 Economic Impacts of Commercial Fishing Industry (thousands of dollars)**

	Sales Impacts	Income Impacts	Employment Impacts
<b>Total Impacts</b>	3,769,547	2,082,372	74,994
Commercial Harvesters	248,321	124,021	3,364
Seafood Processors and Dealers	468,881	233,262	5,172
Seafood Wholesalers and Distributors	645,081	317,086	5,924
Retail Sectors	2,407,264	1,408,003	60,533

**Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Revenue	132,191	110,139	120,463	133,782	137,508	146,294	174,545	165,403	193,501	215,789
Finfish & Other	50,755	36,712	29,129	37,111	40,166	41,112	49,081	56,621	50,329	68,240
Shellfish	81,436	73,427	91,334	96,671	97,342	105,182	125,464	108,782	143,172	147,549
Clams	27,090	25,501	26,785	27,920	30,287	36,967	35,782	41,737	48,503	54,789
Crab	31,672	24,919	39,550	38,262	37,676	37,241	56,374	29,024	50,872	43,380
Hake (Whiting)	757	618	802	1,022	1,299	1,022	1,601	2,341	4,937	7,296
Halibut	9,914	7,053	7,986	6,729	5,760	6,777	5,991	7,264	6,512	8,232
Mussels	2,081	2,445	3,720	3,564	3,861	2,213	3,324	3,096	3,729	6,564
Oysters	16,487	17,308	17,798	22,473	20,915	23,645	25,658	30,257	33,697	38,102
Sablefish	9,852	3,934	5,752	6,545	5,981	4,376	6,675	6,517	7,395	8,307
Salmon	13,799	9,967	5,096	9,992	12,130	12,946	11,606	18,033	14,503	24,743
Shrimp	3,357	2,637	2,892	3,611	3,685	4,486	3,723	3,648	4,335	3,602
Tuna, Albacore	6,550	8,779	3,607	5,821	7,917	7,375	15,621	15,657	10,643	15,129

**Total Landings and Landings of Key Species / Species Groups (thousands of pounds)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Landings	113,390	103,316	90,072	112,963	159,511	178,191	192,528	193,366	213,736	240,844
Finfish & Other	82,628	77,645	57,032	78,141	120,949	132,705	136,261	157,384	157,136	191,100
Shellfish	30,762	25,671	33,040	34,822	38,562	45,486	56,267	35,982	56,600	49,744
Clams	2,101	1,968	2,228	2,109	2,499	3,045	3,112	3,292	3,621	4,535
Crab	15,685	13,210	19,026	17,752	19,023	21,386	34,037	14,955	32,086	24,581
Hake (Whiting)	15,971	23,177	18,698	24,399	35,593	22,564	35,124	69,117	93,654	120,058
Halibut	3,962	4,302	3,093	2,289	2,490	2,487	1,868	2,254	1,948	1,980
Mussels	275	296	332	374	332	214	337	427	504	774
Oysters	5,972	6,518	6,769	8,458	8,258	9,085	9,391	10,111	12,190	12,281
Sablefish	5,041	2,959	4,088	3,755	3,589	2,559	3,736	4,064	4,240	4,259
Salmon	22,787	15,248	7,502	12,753	29,484	33,428	28,815	30,078	18,160	26,487
Shrimp	6,147	3,138	4,177	5,520	7,763	11,149	8,867	6,599	7,279	6,926
Tuna, Albacore	8,025	14,349	4,527	7,003	9,110	11,708	23,672	18,044	10,505	19,070

**Average Annual Price for Key Species / Species Groups**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Clams	12.89	12.96	12.02	13.24	12.12	12.14	11.50	12.68	13.40	12.08
Crab	2.02	1.89	2.08	2.16	1.98	1.74	1.66	1.94	1.59	1.76
Hake (Whiting)	0.05	0.03	0.04	0.04	0.04	0.05	0.05	0.03	0.05	0.06
Halibut	2.50	1.64	2.58	2.94	2.31	2.73	3.21	3.22	3.34	4.16
Mussels	7.56	8.26	11.21	9.52	11.62	10.32	9.87	7.26	7.40	8.48
Oysters	2.76	2.66	2.63	2.66	2.53	2.60	2.73	2.99	2.76	3.10
Sablefish	1.95	1.33	1.41	1.74	1.67	1.71	1.79	1.60	1.74	1.95
Salmon	0.61	0.65	0.68	0.78	0.41	0.39	0.40	0.60	0.80	0.93
Shrimp	0.55	0.84	0.69	0.65	0.47	0.40	0.42	0.55	0.60	0.52
Tuna, Albacore	0.82	0.61	0.80	0.83	0.87	0.63	0.66	0.87	1.01	0.79

**Recreational Fishing Effort by Mode (thousands of trips)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Party / Charter	54	45	49	52	33	59	69	64	62	57
Private / Rental	296	182	241	368	824	247	209	135	113	84
Shore	428	482	326	455	670	711	512	512	512	512
<b>Total Trips</b>	<b>778</b>	<b>709</b>	<b>616</b>	<b>875</b>	<b>1,527</b>	<b>1,017</b>	<b>790</b>	<b>711</b>	<b>687</b>	<b>653</b>

**Recreational Anglers by Residential Area (thousands of anglers)**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal	134	128	117	179	297	217	150	136	131	125
Non-Coastal	45	42	64	65	212	41	58	52	50	47
Out of State	12	13	10	10	14	25	14	12	12	11
<b>Total Anglers</b>	<b>192</b>	<b>183</b>	<b>191</b>	<b>254</b>	<b>524</b>	<b>284</b>	<b>222</b>	<b>200</b>	<b>193</b>	<b>183</b>

**2006 Angler Trip & Durable Equipment Expenditures (thousands of dollars)**

Fishing Mode	Trip Expenditures		Durable Equipment Expenditure Category	Expenditures
	Non-Residents	Residents		
Private Boat	1,262	6,825	Fishing Tackle	98,378
			Other Equipment	68,885
Shore	4,946	19,220	Boat Expenses	1,052,087
For-Hire	1,097	10,832	Vehicle Expenses	65,239
Total Trip Expenditures	7,305	36,877	Second Home Expenses	29,229
			Total Durable Equipment Expenditures	1,313,819
<b>Total State Trip and Durable Equipment Expenditures</b>				<b>1,358,001</b>

**2006 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)**

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat Mode Trip Impacts	96	10,990	5,743
Shore Mode Trip Impacts	293	30,471	16,346
Party/Charter Mode Trip Impacts	197	18,313	10,225
Total Durable Equipment Impacts	10,440	1,067,145	574,160
<b>Total State Trip and Durable Equipment Economic Impacts</b>	<b>11,025</b>	<b>1,126,920</b>	<b>606,474</b>

**Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)<sup>1</sup>**

Species		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Cod, Pacific	H	2	1	(1)	(1)	1	2	3	6	5	1
	R	1	2	(1)	1	(1)	(1)	(1)	1	(1)	(1)
Flatfishes	H	276	240	141	158	119	216	62	62	61	63
	R	146	96	93	102	66	209	92	41	41	42
Greenlings	H	105	100	65	100	73	85	59	39	39	33
	R	34	25	9	36	33	141	64	25	25	22
Herring and Smelt <sup>2</sup>	H	1,060	3,511	1,545	2,065	3,649	3,254	2,487	2,486	2,486	2,486
	R	28	204	174	60	161	196	136	126	126	126
Rockfishes	H	364	531	304	268	199	237	184	256	307	282
	R	43	23	9	8	14	50	20	25	33	23
Salmon	H	335	183	176	253	735	320	570	348	291	174
	R	305	188	191	277	542	362	391	415	216	306
Sculpins	H	35	30	23	24	10	35	17	17	17	16
	R	189	119	64	202	85	142	101	91	91	91
Sturgeon	H	5	9	9	8	7	8	6	5	5	5
	R	18	39	34	28	21	27	18	25	30	21
Surfperches	H	158	202	108	198	89	104	143	133	133	133
	R	71	84	152	227	101	105	125	120	120	120
Tuna, Albacore	H	18	21	4	7	4	6	11	14	12	24
	R	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1

<sup>1</sup>In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = less than 1000 fish were harvested or released.

<sup>2</sup>Species included in this group may not be equivalent to species with similar names listed in the commercial tables.

State Economy (% of national total)							
	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Fishing Location Quotient	
1998	161,473 (2.33%)	2,134,598 (1.97%)	73,268 (2.21%)	133,974 (2.26%) (2001) <sup>1</sup>	195,794 (2.26%)	12.46 (2001) <sup>2</sup>	
2005	175,658 (2.34%)	2,316,296 (1.99%)	94,928 (2.12%)	156,900 (2.24%)	271,381 (2.19%)	13.90 (2006) <sup>2</sup>	
% change	8.8	8.5	29.6	17.1	38.6	11.6	

**Seafood Sales and Processing – Non-Employer Firms and Annual Receipts** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Seafood sales, retail	Firms	33	28	28	29	30	32	30	31
	Receipts	1,477	1,887	2,139	2,465	2,681	1,623	2,202	1,836
Seafood product preparation & packaging	Firms	36	32	37	41	48	59	53	54
	Receipts	5,455	1,965	3,052	3,432	2,763	5,680	4,446	5,568

**Seafood Sales and Processing – Employer Establishments, Employees, and Annual Payroll** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Seafood sales, retail	Establishments	28	31	28	32	44	37	40	47
	Employees	160	179	182	198	235	284	222	291
	Payroll	4,465	4,296	4,122	4,503	6,379	6,363	6,578	9,322
Seafood sales, wholesale	Establishments	189	184	176	176	175	121	116	126
	Employees	1,550	1,617	1,654	1,444	1,185	1,112	883	1,094
	Payroll	53,777	61,101	64,074	56,122	51,959	39,206	37,292	42,852
Seafood product preparation & packaging	Establishments	116	116	119	112	106	110	101	98
	Employees	8,587	7,276	6,784	6,498	6,728	5,968	5,851	5,743
	Payroll	219,324	207,487	218,517	216,660	221,978	231,153	247,316	239,962

**Transport, Support, and Marine Operations – Employer Establishments, Employees, and Annual Payroll** (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005
Deep sea freight transportation	Establishments	25	27	21	22	23	27	23	24
	Employees	1,005	877	736	584	F	276	311	378
	Payroll	55,802	53,319	41,689	29,209	F	16,147	20,559	22,655
Coastal & Great Lakes freight transportation	Establishments	34	28	32	30	33	36	38	41
	Employees	2,543	2,484	2,356	2,330	2,173	1,607	2,039	1,672
	Payroll	122,338	128,253	128,747	129,997	130,456	112,319	128,786	122,000
Marine cargo handling	Establishments	32	33	36	36	33	23	30	30
	Employees	2,861	2,361	3,322	2,847	2,538	F	F	4,459
	Payroll	180,789	186,461	238,138	213,946	194,398	F	F	318,873
Navigational services to shipping	Establishments	62	57	56	57	55	52	53	53
	Employees	239	F	F	239	218	834	F	841
	Payroll	14,899	F	F	20,235	20,962	51,092	F	60,034
Ship & boat building	Establishments	155	141	132	134	135	138	141	154
	Employees	6,063	6,036	6,442	5,532	4,974	6,056	6,474	7,154
	Payroll	210,994	219,467	225,433	194,050	219,980	244,124	272,336	307,735
Marinas	Establishments	127	123	116	119	111	102	96	96
	Employees	515	574	575	573	406	430	449	442
	Payroll	12,951	14,211	15,714	14,516	11,283	12,400	12,763	13,556
Port and harbor operations	Establishments	5	7	6	5	4	3	4	6
	Employees	F	F	F	F	37	F	F	F
	Payroll	F	F	F	F	1,565	F	F	F

F = Data is suppressed due to confidentiality restrictions.

<sup>1</sup>Employee Compensation data is currently available from 2001-2005.

<sup>2</sup>Commercial Fishing Location Quotient data is available from 2001-2006 for most states. Data from other years is displayed when 2001 and/or 2006 data is unavailable.