

**ECONOMIC STATUS OF THE
WASHINGTON, OREGON, AND CALIFORNIA
GROUNDFISH FISHERIES**

Compiled by

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Table 1. Quantity and exvessel value of groundfish landings in Washington , Oregon, and California; including fish delivered to foreign and domestic floating processors in waters off these states, 1990-1991.

	1990	1991	% Change
Shoreside (mt)	93,065	102,152	+9.8
Domestic Floating Processor (mt)	0	80,268	n/a
Domestic Catcher/Processor (mt)	4,735	103,868	+2,094
Joint Venture (mt)	170,973	0	n/a
Total WOC Landings	268,773	286,287	+6.5
Shoreside Value (\$)			
Current	63,800,000	71,124,000	+11.5
Real ¹	56,510,000	60,790,000	+7.8
Domestic Floating Processors (\$)			
Current	0	9,822,000	n/a
Real	0	8,395,000	n/a
Domestic Catcher Processors (\$)			
Current	790,000	11,496,000	+1,355
Real	700,000	9,826,000	+1,304
Joint Venture (\$)			
Current	18,429,000	0	n/a
Real	16,323,000	0	n/a
Total WOC Groundfish Landed Value (\$)			
Current	83,019,000	92,442,000	+11.4
Real	73,533,000	79,010,000	+7.4

Sources: Pacific Coast Fishery Information Network (PacFIN) Groundfish Report Series, June 1992; NMFS, Northwest Regional Office.

^{1/} Real values are current values adjusted to eliminate the effects of inflation. This adjustment has been made by dividing current values by the current year GNP implicit price deflator, with a base year of 1987. The GNP deflators are 1.129 for 1990 and 1.170 for 1991.

Table 2. Washington, Oregon, and California shoreside commercial landings (metric tons) and exvessel value (thousands of dollars), 1980-1991.

Year	<u>California</u>		<u>Oregon</u>		<u>Washington</u>		<u>Total Coast</u>	
	mt	\$	mt	\$	mt	\$	mt	\$
1980	36,862	16,551	28,515	11,425	22,514	9,119	87,891	37,095
1981	42,578	21,448	37,502	14,721	23,093	10,100	103,173	46,269
1982	52,608	27,795	41,023	20,445	25,368	11,405	118,999	59,645
1983	39,498	21,984	35,158	18,345	22,970	11,257	97,626	51,586
1984	40,570	22,914	28,209	15,234	21,080	10,474	89,859	48,622
1985	43,062	26,516	29,023	17,095	19,229	12,449	91,314	56,060
1986	41,246	28,552	24,931	16,813	16,081	10,905	82,298	56,240
1987	41,410	30,682	30,626	24,328	20,292	16,872	92,329	71,881
1988	39,420	28,213	31,845	23,748	20,371	15,686	91,635	67,646
1989	42,315	29,951	36,843	25,218	20,103	13,589	99,261	68,757
1990	39,149	28,919	35,514	23,343	18,403	11,538	93,065	63,800
1991	35,763	27,130	49,338	29,875	17,051	14,119	102,152	71,124

Source: PacFIN, Groundfish Report Series, June 1992.
State Fishery Agencies.

Table 3. Average annual exvessel prices paid for some commercially important species¹, 1981-1991.

Year	<u>Sablefish</u>		<u>All Rockfish Combined</u>		<u>Widow Rockfish</u>		<u>Dover Sole</u>		<u>English Sole</u>		<u>Petrale Sole</u>	
	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real
1981	.215	.272	.169	.214	.135	.171	.223	.283	.297	.376	.512	.649
1982	.252	.301	.195	.233	.157	.187	.233	.278	.318	.379	.606	.723
1983	.237	.272	.223	.256	.192	.220	.224	.257	.322	.369	.682	.782
1984	.218	.239	.251	.276	.225	.247	.231	.254	.321	.352	.709	.778
1985	.334	.354	.281	.298	.250	.265	.240	.254	.333	.353	.736	.780
1986	.374	.386	.313	.323	.275	.284	.258	.266	.360	.372	.777	.802
1987	.472	.472	.350	.350	.322	.322	.305	.305	.402	.402	.816	.816
1988	.525	.505	.323	.311	.286	.275	.304	.293	.392	.377	.816	.785
1989	.476	.439	.319	.294	.258	.238	.275	.241	.365	.337	.816	.753
1990	.480	.425	.338	.299	.262	.232	.268	.237	.328	.291	.825	.731
1991	.687	.587	.370	.316	.277	.237	.301	.257	.344	.294	.826	.706

Source: PacFIN, Groundfish Report Series, June 1992.

Note: Real prices were adjusted for inflation using the GNP implicit price deflator, where 87=1.00. All prices are weighted averages.

¹/ This report includes only data for PFMC INPFC Areas: Vancouver, Columbia, Eureka, Monterey, and Concepcion.

Table 3. Average annual exvessel prices paid for some commercially important species¹, 1980-1991.
 - Continued.

Year	<u>Lingcod</u>		<u>Arrowtooth Flounder</u>		<u>Pacific Whiting</u>		<u>Thornyheads</u>	
	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real
1981	.228	.289	.095	.120	.079	.100	.226	.286
1982	.250	.298	.109	.130	.084	.100	.226	.270
1983	.249	.286	.100	.115	.085	.097	.226	.259
1984	.245	.269	.096	.105	.068	.075	.243	.267
1985	.262	.278	.098	.104	.068	.072	.250	.265
1986	.317	.327	.102	.105	.059	.061	.279	.288
1987	.378	.378	.146	.146	.063	.063	.321	.321
1988	.366	.352	.119	.115	.075	.072	.352	.339
1989	.351	.324	.099	.091	.066	.061	.370	.341
1990	.354	.314	.105	.093	.065	.058	.386	.342
1991	.351	.300	.115	.098	.052	.044	.457	.391

Source: PacFIN, Groundfish Report Series, June 1992.

Note: Real prices were adjusted for inflation using the GNP implicit price deflator, where 1987=1.00. All prices are weighted averages.

¹/ This report includes only data for PFMC INPFC Areas: Vancouver, Columbia, Eureka, Monterey, and Conception.

Table 4. Commercial shoreside landings (mt) of individual groundfish species by state, 1990-1991.

Species	California		Oregon		Washington	
	1990	1991	1990	1991	1990	1991
Lingcod	1,064	785	874	1,486	994	908
Pacific Cod	-	-	232	514	833	1,281
Pacific Whiting	5,519	6,893	2,294	13,204	302	504
Sablefish	3,648	3,308	3,705	3,909	1,724	2,237
Pacific Ocean Perch	6	7	577	857	382	507
Widow Rockfish	2,002	1,202	5,571	3,868	2,981	1,722
Thornyheads	5,391	2,864	4,528	3,507	207	189
Unspecified Rockfish	9,854	5,072	1,064	493	696	453
Other Rockfish	2,062	4,628	5,236	7,241	2,693	2,617
Arrowtooth Flounder	54	157	1,815	2,089	3,955	2,700
Dover Sole	6,320	7,726	7,509	8,813	1,869	1,690
English Sole	892	812	509	846	512	527
Petrale Sole	678	735	744	932	342	261
Other Flatfish	1,384	1,345	750	1,363	368	529
Other Groundfish	275	229	106	216	545	926

Source: PacFIN, Groundfish Report Series, June 1992.

Table 5. Shoreside landings and exvessel value (thousands of dollars) of individual groundfish species landed in Washington, Oregon, and California, 1990-1991.¹

Species	<u>1990</u>		<u>1991</u>		<u>% Change</u>
	mt	\$	mt	\$	
Lingcod	2,932	2,286	3,180	2,459	+8.5 +7.6
Pacific Cod	1,065	635	1,796	1,189	+68.6 87.2
Pacific Whiting ²	8,115	1,065	20,601	2,395	+153.9 +124.9
Sablefish	9,078	9,616	9,454	14,329	+4.1 +49.0
Pacific Ocean Perch	965	574	1,370	905	+42.0 +57.7
Widow Rockfish	10,554	6,090	6,791	4,151	-35.6 -31.8
Thornyheads	10,126	8,616	6,561	6,612	-35.2 -23.3
Unspecified Rockfish	11,614	10,615	6,019	6,891	-48.2 -35.1
Other Rockfish	9,992	6,378	14,486	10,241	+45.0 +60.6
Arrowtooth Flounder	5,824	1,347	4,945	1,251	-15.1 -7.1
Dover Sole	15,698	9,281	18,228	12,095	+16.1 +30.3
English Sole	1,913	1,381	2,185	1,655	+14.2 +19.8
Petrale Sole	1,765	3,211	1,927	3,509	+9.2 +9.3
Other Flatfish	2,501	2,076	3,237	2,777	+29.4 +33.8
Other Groundfish	926	629	1,371	665	+48.1 +5.7

Source: PacFIN, Groundfish Report Series, June 1992.

¹/ Includes domestic landings from U.S. coastal waters off WOC, but not Puget Sound.

²/ Reflects a shift out of foreign (JV) production to domestic production.

Table 6. Washington, Oregon, and California combined landings and exvessel value (thousands of dollars) of sablefish by gear, 1990-1991.¹

	<u>1990</u>		<u>1991</u>	
	mt	\$	mt	\$
Groundfish Trawl	5,040 (55.5)	4,010 (41.7)	4,865 (51.5)	4457 (31.1)
Fish Pot	1,472 (16.2)	1,613 (16.8)	1,060 (11.2)	1664 (11.6)
Longline/setline ²	2,163 (23.8)	3,626 (37.7)	3,363 (35.6)	8042 (56.1)
Other groundfish net	62 (0.7)	40 (0.4)	34 (0.4)	23 (0.2)
Other	340 (3.7)	327 (3.4)	133 (1.4)	143 (1.0)
Total	9,077	9,616	9,440	14,329

Source: PacFIN, Groundfish Report Series, June 1992.

^{1/} Figures in parentheses are the percentages each gear group contributed to the total sablefish landed catch or exvessel value.

^{2/} Includes California commercial pole-and-line gear.

Table 7. West coast groundfish shoreside landings (metric tons) by gear group, 1981-1991.

	Trawl	Trap/ Pot	Longline ¹ / Setline	Gill/Set ² Net	Other/Misc.
1981	90,797	3,956	3,997	1,632	2,791
1982	103,299	6,530	4,384	2,077	2,709
1983	81,668	5,423	2,191	2,243	6,101
1984	72,693	3,854	1,989	2,199	9,124
1985	75,352	3,703	4,603	3,918	3,737
1986	61,249	2,216	5,894	4,205	8,734
1987	74,713	2,082	6,953	3,952	4,614
1988	73,460	2,186	5,679	2,864	7,487
1989	84,421	2,004	5,962	2,965	3,909
1990	78,792	1,513	5,766	2,874	4,120
1991	88,990	1,082	7,408	1,780	2,892

Source: PacFIN, Groundfish Report Series, June 1992.

¹/ Includes commercial pole catch for California landings, because large quantities of sablefish and rockfish are landed with this gear in PacFIN.

²/ Includes gill net, set net, and other net; but not dip, trammel, seine, or miscellaneous nets.

Table 8. Exvessel value (thousands of dollars) of west coast groundfish shoreside landings by gear group, 1981-1991.

	Trawl	Trap/ Pot	Longline ¹ / Setline	Gill/Set ² Net	Other/Misc.
1981	37,855	2,081	3,696	1,468	2,169
1982	46,987	4,863	4,551	1,814	1,430
1983	40,578	3,598	2,091	1,742	3,578
1984	36,885	2,338	2,083	1,955	5,361
1985	41,264	3,154	5,329	3,367	2,946
1986	36,916	2,171	6,811	3,715	6,627
1987	52,162	2,347	9,527	3,806	4,032
1988	48,010	2,797	8,573	2,709	3,928
1989	52,576	2,284	8,265	1,723	3,909
1990	47,639	1,658	8,408	2,765	3,330
1991	51,579	1,699	13,673	1,713	2,460

Source: PacFIN, Groundfish Report Series, June 1992.

¹/ Includes commercial pole catch for California landings, because large quantities of sablefish and rockfish are landed with this gear in PacFIN.

²/ Includes gill net, set net, and other net; but not dip, trammel, seine, or miscellaneous nets.

Table 9 - Percentage contribution of west coast landings to the total exvessel value (thousands of dollars) of West Coast marine fish landings, 1990-1991, by fishery.¹

<u>Fishery</u>	<u>1990</u>		<u>1991</u>	
	<u>Exvessel</u> <u>Value of Landings</u>	<u>%</u>	<u>Exvessel</u> <u>Value of Landings</u>	<u>%</u>
Tuna	17,227	5.5	18,571	5.7
Groundfish	63,800	20.2	71,124	21.7
Crab	37,939	12.0	25,394	7.7
Salmon	65,422	20.7	47,955	14.6
Shrimp	29,011	9.2	26,101	8.0
Wetfish	9,895	3.1	13,335	4.1
Other	<u>92,221</u>	29.2	<u>125,798</u>	38.3
Total	328,278		315,515	

Sources: PacFIN, Groundfish Report Series, June 1992.
National Marine Fishery Service (NMFS)

^{1/} Includes all marine fish landed in Washington, Oregon, and California, excluding fish taken from Puget Sound and landed in these three states.

Table 10 - Number of shoreside vessels in Washington, Oregon, and California commercial groundfish fleets, 1981-1991.

<u>Year</u>	<u>Otter Trawl</u>	<u>Pot/Trap¹</u>	<u>Longline¹</u>
1981	408	66	191
1982	444	82	208
1983	436	59	185
1984	397	34	96
1985	358	32	129
1986	307	30	190
1987	330	30	186
1988	345	26	156
1989	342	NA	NA
1990	376	37	196
1991	377	31	175

^{1/} Vessels landing fish caught with this gear type in two or more states are counted in each state for years 1981-1983. These numbers therefore are an upper bound for the true number of vessels using this gear type.

Table 11 - Washington, Oregon, and California groundfish shoreside trawl fleet characteristics, 1985-1991.

	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Total Number Landing	330	345	342	376	377
Frequency by Length Class (Fleet)					
Under 30 feet	1	10	7	4	4
30-39	10	10	12	16	25
40-49	77	74	65	74	71
50-59	89	93	92	92	95
60-69	96	96	102	110	107
70-79	40	48	47	47	50
80-89	10	8	7	14	11
over 90	7	6	7	8	8
missing	-	-	-	7	6
Vessel Characteristics:					
Average Length	59	58	59	60	59
Average Gross Tonnage	71	73	76	78	76
Number Vessels Based in Each State ¹					
California	127	133	127	162	167
Oregon	120	129	128	137	136
Washington	83	84	84	77	74
Vessels Landing in More Than One State	36	40	30	39	42

Source: State Fishery Agencies

^{1/} A vessel's home state is assigned according to which state accounts for the majority of groundfish landings in a year.

Table 12 - Average wholesale prices (\$/lb.) of west coast groundfish processed products by species group, 1976-1991.

<u>Year</u>	<u>All</u> <u>Flounders</u>	<u>Dover</u>	<u>English</u>	<u>Petrals</u>	<u>Lingcod</u>	<u>Rockfish</u>	<u>Sablefish</u>
1976	1.062	--	--	--	0.785	0.696	0.581
1977	1.255	--	--	--	0.887	0.800	0.516
1978	1.472	--	--	--	0.878	1.085	0.653
1979	1.608	--	--	--	1.198	1.044	0.797
1980	1.600	--	--	--	1.103	0.906	0.792
1981	1.598	--	--	--	1.157	0.985	0.814
1982	1.812	--	--	--	1.142	1.078	0.891
1983	1.866	--	--	--	1.232	1.276	0.823
1984	1.763	--	--	--	1.296	1.267	0.844
1985	1.776	1.743	1.783	3.183	1.454	1.388	1.158
1986	1.764	1.874	2.069	3.987	1.561	1.477	1.566
1987	2.068	2.006	2.281	4.017	1.643	1.824	1.421
1988	2.085	2.144	2.103	3.569	1.663	1.554	1.542
1989	--	2.020	2.060	3.440	1.740	1.580	1.980
1990	--	2.140	2.210	3.470	1.650	1.830	1.750
1991	--	1.850	2.450	3.550	1.730	1.610	2.120

Source: U.S. Department of Commerce, NOAA, National Marine Fisheries Service, Fishery Statistics Division, Silver Spring, MD.

