

1997

Pounds and Values  
of Commercially Caught  
Fish and Shellfish  
Landed in Oregon



Oregon Department of Fish and Wildlife

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**by**

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## FOREWORD

The statistics presented in this publication provide information on the amount and value of commercial food fish landings in the State of Oregon in 1997. This information is frequently requested by various government, industry or private user groups for resource management, marketing, land use planning or other needs. We have not attempted to explain management objectives, harvest methods or trends in the commercial fisheries.

The joint efforts of many persons were required to record, process, and review this material. The origin and flow of landings data starts with the commercial fishing industry; specifically the recording of landings information by wholesale fish and bait dealers. Many Oregon Department of Fish and Wildlife personnel assisted in the processing of the recorded data. Data processing specialists prepared landing records for data entry and monitored the timeliness and accuracy of the records, computer programmers developed and maintained the processing programs, data entry personnel entered the record information on the computer data base, and Department management and port biologists helped review the accuracy of the reported information.

The knowledge, expertise and highly conscientious efforts of the Department staff through the years have played a large part in insuring that the Oregon commercial fisheries data base is one of the most accurate and timely data bases (with respect to preliminary information) on the Pacific coast. The efforts of all are greatly appreciated.

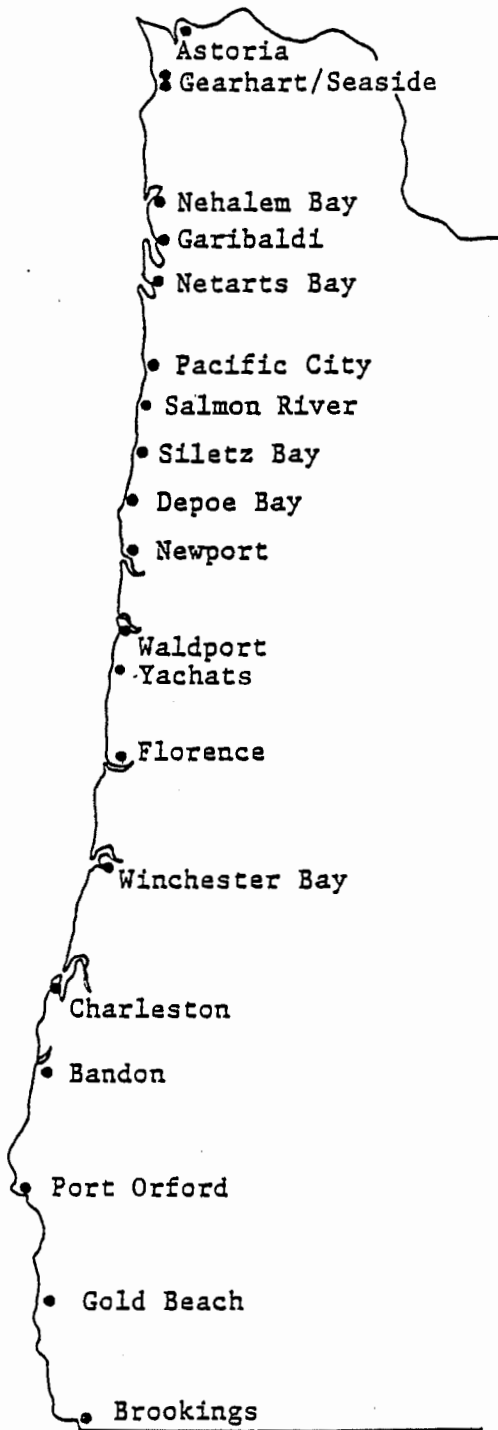


## CONTENTS

Forward.....	ii
Map of Oregon Coastal Ports.....	v
Explanation of Tables .....	1
Fish species reported in the Oregon commercial catch.....	3
Commercial fishing licenses and permits issued, 1988-97 .....	4
Commercial food fish landings, 1988-97.....	5
Commercial food fish ex-vessel value, 1988-97 .....	10
Commercial food fish landings by port.....	15
Monthly landings of commercial food fish .....	19
Columbia River.....	23
Astoria .....	24
Gearhart/Seaside .....	27
Cannon Beach.....	28
Nehalem Bay.....	29
Garibaldi.....	30
Netarts Bay.....	32
Pacific City.....	33
Salmon River.....	34
Siletz Bay .....	35
Depoe Bay.....	36
Newport.....	37
Waldport.....	40
Yachats .....	41
Florence .....	42
Winchester Bay.....	44
Charleston.....	45
Bandon.....	48
Port Orford.....	49
Gold Beach.....	51
Brookings .....	52
Commercial food fish landings by gear.....	54
Commercial food fish ex-vessel value by gear.....	66

Monthly landings of commercial food fish by gear .....	78
Value of commercial food fish landings by port.....	93
Monthly value of commercial food fish landings.....	97
Columbia River.....	101
Astoria .....	102
Gearhart/Seaside .....	105
Cannon Beach.....	106
Nehalem .....	107
Garibaldi.....	108
Netarts Bay.....	110
Pacific City.....	111
Salmon River.....	112
Siletz Bay .....	113
Depoe Bay.....	114
Newport .....	115
Waldport.....	118
Yachats .....	119
Florence .....	120
Winchester Bay .....	122
Charleston.....	123
Bandon .....	126
Port Orford.....	127
Gold Beach.....	129
Brookings .....	130
Salmon harvested by Oregon private hatcheries .....	132
Freshwater species harvested in 1997 by month by county .....	133
Oregon oyster production, 1988-97 .....	134
Appendix - Personal Income Contribution of the Commercial Fishing and Processing Industry to Communities on the Oregon Coast and to Oregon's Economy.....	135

Oregon Coastal Ports







## EXPLANATION OF TABLES

### Source of Data

Oregon law requires commercial fishermen to sell their catch to a licensed wholesale fish or bait dealer. At time of sale, the dealer must record certain information on a Fish Receiving Ticket forms supplied by the Department. This information includes date of landing, port of landing, gear used to take the fish or shellfish, pounds landed by species and price per pound paid to the fisher. The fish tickets are returned to the Department and edited by staff specialists and management biologists for accuracy and completeness prior to final tabulation.

### Landings

Commercial landings are reported for the Columbia River (Oregon landings only), ports along the coast (Fig. 1), and by county for freshwater species (Table 64). Landings at the coastal ports include ocean and bay/estuary-caught fish or shellfish. For ocean-caught species, port of landing does not necessarily indicate general area of catch. Boats can fish coast wide and return to their home port (or any other port) to land their catch.

Landings by month reflect the date of purchase by the dealers. This may not necessarily be the date the fish were caught, as many vessels have the capability of holding fish for extended periods of time before returning to port.

All fish and shellfish landings, unless otherwise indicated, are reported as round (whole) weight. Certain species may be dressed or filleted prior to landing and the following percentages were used to convert these landings to pounds round weight:

Halibut, dressed, head-on	+	15%
"    dressed, head-off	+	35%
Salmon, troll dressed, head-on	+	15%
Sablefish, dressed, head-off	+	60%
Scallop, shucked	+	1,220%
Pacific Whiting, filleted	+	235%
"    "    headed and gutted	+	156%
"    "    surimi	+	625%

The common and scientific names of species reported in the commercial catch are shown in Table 1. Fish dealers are required to record each species landed; however, this is not always possible due to the difficulty identifying certain species. Some species are combined and reported under a market category, i.e. "Rockfish, other sp." includes several different species of rockfish that are

combined and reported only as "rockfish" by the dealers. The rockfish in particular are a group that are difficult to differentiate because of structural similarities among several species.

Pacific ocean perch (P.O.P.) includes several species that are perch-like in appearance. P.O.P. is a market category and is reported separately by fish dealers, but in two different ways. In some areas, landings of Pacific ocean perch are comprised of a very high percentage of true P.O.P. and are subsequently reported on the ticket as P.O.P. In other areas, perch look-alikes are predominant and landings are reported as nominal P.O.P. on the ticket. This category includes a smaller percentage of true P.O.P.

The Pacific Fisheries Management Council requires separate reporting of quota-managed species such as the yellowtail and widow rockfish and P.O.P. Even though these rockfish species pounds are reported separately by the dealers on fish tickets, there is still contamination of other rockfish species at the point of landing. The rockfish species pounds printed in the tables in this report reflect this contamination. Oregon Department of Fish and Wildlife biologists routinely sample the market categories of rockfish at the dock to determine species composition for each category. This market sample data is applied to the fish ticket data to obtain more accurate estimates of annual landings of rockfish by species. This information is not included in this report, but an annual summary table is available and can be obtained by contacting ODFW.

The trends portrayed in Table 3A (Annual Landings, 1988-97) are the result of many factors such as regulations, abundance of fish, market demand and technical advances. Most fisheries reflect the effect of all these factors and caution should be used in interpreting or projecting trends.

The oyster data presented in Table 62 is included as a matter of interest only. There is no Department-managed commercial oyster fishery in Oregon. The data in the table reports Oregon oyster production by private enterprises established in several Oregon estuaries.

### Value of Catch

Beginning in 1992, dealers were required to report price per pound on all species purchased and compute landing fees based on the value of the catch. The reported value is derived from fish tickets and represents the ex-vessel price per pound paid to the fisherman.

Table 1. Common and scientific names of species reported in the Oregon commercial catch.

Common Name	Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name
<b>FISHES:</b>		<b>FISHES: (continued)</b>		<b>CRUSTACEANS:</b>	
Anchovy, northern.....	<i>Engraulis mordax</i>	Shark, (cont'd)		Barnacle, gooseneck.....	<i>Mitella polymerus</i>
Cabezon.....	<i>Scorpaenichthys marmoratus</i>	Pacific sleeper.....	<i>Somniosus pacificus</i>	Crab,	
Carp.....	<i>Cyprinus carpio</i>	shortfin mako.....	<i>Isurus oxyrinchus</i>	box.....	<i>Lopholithodes foraminatus</i>
Cod, Pacific.....	<i>Gadus macrocephalus</i>	sixgill.....	<i>Hexanchus griseus</i>	Dungeness.....	<i>Cancer magister</i>
Dace, speckled.....	<i>Rhinichthys osculus</i>	soupin.....	<i>Galeorhinus zyopterus</i>	hermit.....	<i>Paguridea</i> sp.
Dolphinfish.....	<i>Coryphaena hippurus</i>	spiny dogfish.....	<i>Squalus acanthias</i>	kelp.....	<i>Pugettia producta</i>
Flounder,		thresher.....	<i>Alopias vulpinus</i>	rock.....	<i>Cancer productus</i>
arrowtooth.....	<i>Atheresthes stomias</i>	Shiner, reaside.....	<i>Richardsonius balteatus</i>	sand (mole).....	<i>Emerita analoga</i>
starry.....	<i>Platichthys stellatus</i>	Skates and Rays.....	Members of the family Rajidae,	Tanner.....	<i>Chionoecetes</i> sp.
Greenling sp.....	<i>Hexagrammos</i> sp.		Torpedinidae, and Myliobatidae	Crayfish.....	<i>Pacifastacus</i> sp.
Grenadier sp.....	Members of the family	Skilfish.....	<i>Erelepis zonifer</i>	Shrimp,	
Macrouidae		Smelt (euchalon).....	<i>Thaleichthys pacificus</i>	brine.....	<i>Artemia salina</i>
Hagfish sp.....	<i>Eptatretus</i> sp.	Smelt, whitebait.....	<i>Allosmerus elongatus</i>	coonstripe.....	<i>Pandalus hypsinotus</i>
Halibut, California.....	<i>Paralichthys californicus</i>	Smelt, other sp.....	Members of the family Osmeridae	ghost (sand).....	<i>Callinassa californiensis</i>
Halibut, Pacific.....	<i>Hippoglossus stenolepis</i>	Snailfish, blacktail.....	<i>Careproctus melanurus</i>	mud.....	<i>Upogebia pugettensis</i>
Herring, Pacific.....	<i>Clupea pallasii</i>	Sole,		pink.....	<i>Pandalus jordani</i>
Lamprey, Pacific.....	<i>Lampetra tridentata</i>	butter.....	<i>Pleuronectes isolepis</i>	spot.....	<i>Pandalus platyceros</i>
Lingcod.....	<i>Ophiodon elongatus</i>	curfin.....	<i>Pleuronichthys decurrens</i>	Water flea.....	Members of the family
Lord, brown Irish.....	<i>Hemilepidotus spinosus</i>	Dover.....	<i>Microstomus pacificus</i>		Daphnidae
Lord, red Irish.....	<i>Hemilepidotus hemilepidotus</i>	English.....	<i>Pleuronectes vetulus</i>		
Mackerel.....	Members of the family Carangidae	flathead.....	<i>Hippoglossoides elassodon</i>		
	and Scombridae	petrale.....	<i>Eopsetta jordani</i>		
Mackerel, jack.....	<i>Trachinotus symmetricus</i>	rex.....	<i>Errex zachirus</i>		
Mackerel, Pacific (chub).....	<i>Scomber japonicus</i>	rock.....	<i>Pleuronectes bilineatus</i>		
Marlin, striped.....	<i>Tetrapturus audax</i>	sand.....	<i>Psettichthys melanostictus</i>		
Minnnow, fathead.....	<i>Pimephales promelas</i>	slender.....	<i>Eopsetta exilis</i>		
Opah.....	<i>Lampris guttatus</i>	Squawfish, northern.....	<i>Ptychocheilus oregonensis</i>		
Pollock, walleye.....	<i>Theragra chalcogramma</i>	Steelhead.....	<i>Oncorhynchus mykiss</i>		
Prickleback, monkeyface.....	<i>Cebidishthys violaceus</i>	Sturgeon,			
Ratfish.....	<i>Hydrolagus coliei</i>	green.....	<i>Acipenser medirostris</i>		
Rockfish,		white.....	<i>Acipenser transmontanus</i>		
black.....	<i>Sebastes melanops</i>	Sucker, bridgelip.....	<i>Catostomus columbianus</i>		
canary.....	<i>Sebastes pinniger</i>	Sucker, largescale.....	<i>Catostomus macrocheilus</i>		
other sp.....	<i>Sebastes</i> sp.	Sunfish, ocean.....	<i>Mola mola</i>		
Pacific Ocean perch.....	<i>Sebastes alutus</i>	Surfperch sp.....	Members of the family		
widow.....	<i>Sebastes entomelas</i>		Embiotocidae		
yellowtail.....	<i>Sebastes flavidus</i>	Swordfish.....	<i>Xiphias gladius</i>		
Sablefish.....	<i>Anoplopoma fimbria</i>	Thornyhead, longspine.....	<i>Sebastolobus altivelis</i>		
Salmon,		Thornyhead, shortspine.....	<i>Sebastolobus alascanus</i>		
chinook.....	<i>Oncorhynchus tshawytscha</i>	Tomcod, Pacific.....	<i>Microgadus proximus</i>		
chum.....	<i>Oncorhynchus keta</i>	Tuna,			
coho.....	<i>Oncorhynchus kisutch</i>	albacore.....	<i>Thunnus alalunga</i>		
pink.....	<i>Oncorhynchus gorboscha</i>	bluefin.....	<i>Thunnus thynnus</i>		
sockeye.....	<i>Oncorhynchus nerka</i>	skipjack.....	<i>Euthynnus</i> sp.		
Sanddab, Pacific.....	<i>Citharichthys sordidus</i>	yellowfin.....	<i>Thunnus albacares</i>		
Sardine, Pacific.....	<i>Sardinops sagax</i>	other sp.....	Members of the family		
Sculpin, buffalo.....	<i>Enophrys bison</i>	Scombridae			
Sculpin, other sp.....	Members of the family Cottidae	Walleye.....	<i>Stizostedion vitreum</i>		
Shad, American.....	<i>Alosa sapidissima</i>	Whiting, Pacific (hake).....	<i>Merluccius productus</i>		
Shark,		Wolf-eel.....	<i>Anarrhichthys ocellatus</i>		
blue.....	<i>Prionace glauca</i>	Wrymouth, giant.....	<i>Cryptacanthodes giganteus</i>		

**Table 2. Type and number of commercial fishing licenses and permits issued, 1988-97**

Type	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Albacore tuna landing.....	76	55	46	32	91	120	101	129	209	197
Bait Fishing.....	131	113	118	108	96	70	56	74	47	47
Boat.....	3,529	3,508	3,388	2,959	--	--	--	--	--	--
Resident <u>1/</u> .....	--	--	--	--	2,263	2,037	1,897	1,805	1,659	1,542
Non-resident <u>1/</u> .....	--	--	--	--	653	520	443	414	372	351
Crew fishing <u>2/</u> .....	--	--	--	--	--	--	229	348	450	472
Individual fishing.....	7,165	7,105	6,050	5,592	--	--	--	--	--	--
Resident <u>1/</u> .....	--	--	--	--	3,643	3,308	2,839	2,740	2,440	2,220
Non-resident <u>1/</u> .....	--	--	--	--	609	527	393	392	378	302
Juvenile fishing.....	264	250	184	148	94	70	62	100	73	72
Single Delivery.....	136	108	77	103	174	184	105	67	40	36
Crab permit <u>3/</u> .....	--	--	--	--	--	--	--	444	461	459
Gillnet permit.....	356	356	355	354	350	344	336	330	327	325
Scallop permit.....	104	105	100	88	62	60	93	77	64	56
Shrimp permit.....	220	211	208	203	199	197	195	195	189	188
Troll permit.....	2,597	2,574	2,528	2,048	2,112	1,821	1,572	1,469	1,377	1,295
Sea urchin permit <u>4/</u> .....	39	92	72	60	49	46	43	39	39	33
Bait dealers:										
Reporting.....	72	71	55	63	58	51	49	47	37	38
Non-reporting.....	27	30	28	29	26	23	21	21	19	19
Buyer.....	179	159	141	127	85	65	53	44	51	50
Canner, fish.....	11	7	8	9	9	7	8	6	8	6
Canner, shellfish.....	4	2	2	1	1	0	0	1	1	1
Limited fish seller.....	57	77	85	65	86	111	119	97	107	114
Wholesale fish dealer:										
Reporting.....	171	188	170	160	124	113	102	109	99	93
Non-reporting.....	30	36	32	33	21	12	12	16	16	11
Private hatchery.....	6	6	4	4	0	1	1	1	1	1
Boat, lost license.....	31	35	29	22	11	12	10	10	10	15
Indiv. fishing, lost license.....	67	50	47	37	37	30	24	37	20	23
Permit fisheries, lost permit..	28	29	22	11	10	6	4	9	11	19
<b>TOTAL</b>	<b>15,300</b>	<b>15,167</b>	<b>13,749</b>	<b>12,256</b>	<b>10,863</b>	<b>9,735</b>	<b>8,767</b>	<b>9,021</b>	<b>8,505</b>	<b>7,985</b>

1/ Effective 1992, 2/ Effective 1994, 3/ Effective 1995, 4/ Effective 1988

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1988-1997.

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
FISH:										
Anchovy, northern.....	26	30	0	0	0	2	2000	485	0	0
Cabezon.....	24987	14765	11383	18339	15941	3226	15495	12686	12590	46179
Carp.....	0	0	0	0	218	0	0	7488	0	0
Cod, Pacific.....	2280678	1720551	510279	1134083	917172	1084073	376053	177067	185068	115644
Dace, speckled.....	0	0	0	74	66	0	0	0	0	0
Dolphinfish.....	0	0	0	0	0	0	0	26	0	180
Flounder, arrowtooth..	1414080	2505977	4000879	4604857	4543936	3657146	3793635	3115812	2465395	2561594
Flounder, starry.....	345650	443256	237846	718486	156589	164210	138466	81747	58972	118472
Greenling sp.....	177	169	7	50	35	183	399	84	1466	23305
Grenadier.....	46854	112981	191831	254024	310459	817038	879490	1050256	936982	665289
Hagfish sp.....	25782	344187	167453	274535	751281	332779	5370	2166	38297	24172
Halibut, California...	0	0	0	0	16	0	70	104	390	522
Halibut, Pacific.....	582020	916024	622233	544446	711874	662687	539997	542916	310372	376592
Herring, Pacific - roe	0	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	355890	546391	475634	430494	437200	168353	16359	137923	171947	179855
Lamprey, Pacific.....	10896	8366	14203	32221	9089	17858	14260	21897	31264	34242
Lingcod.....	2223051	2591820	1927617	3277413	1568033	1840715	1898239	1422443	1570067	1689232
Lord, brown Irish.....	0	2	1	8	0	2	10	0	14	0
Lord, red Irish.....	6	2	35	11	2	12	53	56	4	64
Louvar.....	0	0	0	0	0	0	0	0	50	149
Mackerel.....	1403	10443	22679	43590	1716941	1226850	1002140	744588	703599	4374062
Marlin, striped.....	0	0	0	73	0	0	0	0	0	98
Minnnow, fathead.....	0	0	0	7	69	405	0	0	0	0
Opah.....	160	0	0	0	0	0	0	0	62	147
Pollock, walleye.....	0	47	31	340	120	455	33	91	0	0
Pomfret, Pacific.....	0	0	0	0	0	0	0	0	0	178
Prickleback spp.....	0	0	0	0	0	0	0	4	0	0
Ragfish.....	0	0	0	0	0	0	0	0	0	37
Ratfish.....	28	110	24	167	253	98	11	94	0	11

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1988-1997. (CONT.)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Pacific Ocean perch...	1403168	1557365	1084209	1653609	1186075	1564342	1213593	1015667	1060192	881818
Nominal POP.....	2980699	3046384	2991281	3428857	1980933	4410081	3256920	1819758	1651746	1782834
Rockfish, black.....	1/	1/	1/	1/	1/	1/	208238	220191	309746	398630
Rockfish, canary.....	1/	1/	1/	1/	1/	1/	2/	1166171	1676354	1541928
Rockfish, widow.....	12009023	15236547	12226558	9664121	11011727	14723070	9728256	8566311	8372794	11109047
Rockfish, yellowtail..	4960998	4076729	4011601	3857810	8374166	6251541	6875837	6743150	7834529	2785108
Rockfish, other sp....	9838085 1/	11086159 1/	7134485 1/	10053489 1/	8578115 1/	8906024 1/	5009014 2/	2547151	2461809	2160170
Thornyhead sp.....	2209850 3/	5564151 3/	9980977 3/	7718124 3/	9438100 3/	9833358 3/	8915929 3/	0	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	3/	3/	5781259	4835143	4011309
Thornyhead, shortspine	3/	3/	3/	3/	3/	3/	3/	1561082	1337699	1118880
Sablefish.....	8999796	8704848	8230977	8667954	8726275	8660394	9037720	6980400	7065064	6542958
Salmon, chinook.....	11742128	7610539	4202223	1795378	1676951	1490396	720759	2602364	2612462	2083598
Salmon, chum.....	14697	4164	3909	1298	2786	256	186	102	60	250
Salmon, coho.....	5699853	3836619	1041908	3421096	446454	207671	488886	190518	216444	150724
Salmon, pink.....	12	20295	0	8786	19	33	0	420	0	145
Salmon, sockeye.....	65036	59	0	0	11	0	0	0	0	0
Sanddab, Pacific.....	241914	162923	429616	690675	646542	622151	1139676	1503718	229009	531909
Sardine, Pacific.....	0	0	0	0	8568	517	44	0	10	94
Sculpin, buffalo.....	21	10	8	4	2	2	1	0	4	3
Sculpin, other sp.....	0	2	0	8	0	28	98	101	32	0
Shad, American.....	393621	194516	497513	141094	429634	423729	259468	348530	337384	149099
Shark, blue.....	0	0	56	97	125	356	137	868	1267	961
Shark, Pacific sleeper	0	0	0	0	0	0	0	164	1757	0
Shark, shortfin mako..	0	0	0	0	0	0	0	0	279	879
Shark, sixgill.....	0	135	118	300	13	111	150	0	115	300
Shark, soupfin.....	3029	3264	3709	4719	4588	4123	2767	2306	5463	3781
Shark, spiny dogfish..	1110	698	15611	145405	121575	76843	152838	110742	27053	14517
Shark, thresher.....	177548	30	655	0	1306	629	0	1302	294	193
Shark, other sp.....	67	159	92	40	0	527	77	1140	148	154
Shiner, redside.....	0	0	0	193	154	0	0	564	0	0

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1988-1997. (CONT.)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Skates and rays.....	4571	8319	2112	6352	3244	3464	18058	261687	1245286	1934463
Skilfish.....	0	0	0	0	147	0	0	0	0	0
Smelt (eulachon).....	58931	19968	1068	1580	2644	27122	210	6816	7094	27059
Smelt, whitebait.....	0	4512	0	188	0	0	0	0	0	0
Smelt, other sp.....	40	9686	40	400	1627	336	2150	406	222	115
Snailfish, blacktail..	0	0	0	0	0	44	38	4	0	0
Sole, butter.....	691	2465	0	817	167	255	1936	58	0	5811
Sole, curlfin (turbot)	6328	5420	574	2507	848	3003	5928	2506	4599	5781
Sole, Dover.....	16925202	19638358	16553757	19428977	13399167	14293885	8533771	7793874	10334613	8742456
Sole, English.....	1281272	1527272	1122209	1864935	1383963	1583218	789608	689004	860721	1214554
Sole, flathead.....	20708	7252	17111	6288	18096	11697	7648	5946	10507	6005
Sole, petrale.....	1989500	1901739	1639907	2054029	1699928	1708468	1357412	1756061	1588255	1776714
Sole, rex.....	734799	623183	500134	948308	730812	603366	483734	470253	665632	682082
Sole, rock.....	11383	5555	5018	3913	724	4218	8417	2070	11724	28740
Sole, sand.....	349569	487093	467730	634274	388724	465958	411275	175611	160370	191305
Sole, slender.....	0	0	0	0	0	0	0	40	0	0
Squawfish, northern...	0	42	0	36	32	0	0	0	0	0
Steelhead.....	267345	252099	163502	117564	237716	149371	75282	68572	13473	9831
Sturgeon, green.....	57905	10673	9528	27495	22357	23260	6940	6358	16874	45818
Sturgeon, white.....	230867	200472	184308	111602	152017	188783	142025	134052	171648	311830
Sturgeon, white - roe	50	0	0	0	10	66	61	0	40	6
Sucker, bridgelip.....	0	0	0	139	331	0	0	0	0	0
Sucker, largescale....	0	28	0	0	14	0	0	0	0	0
Sunfish, ocean.....	50	0	0	0	0	0	21	0	18	0
Surfperch sp.....	5551	3710	4953	2201	3596	1676	1298	2471	3428	2148
Swordfish.....	0	0	0	0	0	0	0	5530	35417	12729
Tomcod, Pacific.....	69	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	3967120	1079657	2079312	1258818	3895618	4754450	4697740	5033810	8948355	9167738
Tuna, other.....	154	0	0	0	0	0	0	1370	981	2254
Wahoo.....	0	0	0	0	0	0	0	0	0	216



TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1988-1997. (CONT.)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Walleye.....	0	7065	1268	1806	2984	2812	2215	5214	2164	0
Whiting, Pac. (hake)..	543196	195914	5058341	29108721	107939472	78969791	143563263	147354856	155587811	162781511
Wolf-eel.....	4857	4917	2994	1963	1507	595	3023	3598	3791	3602
Wrymouth, giant.....	560	121	142	355	389	268	503	806	1399	1303
Miscellaneous.....4/	227	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Barnacle, gooseneck...	30	561	12	25	0	0	0	0	0	0
Crab, box.....	0	412	8586	10460	620	832	3449	814	3646	67224
Crab, Dungeness, bay..	37598	63480	62065	85554	97183	55341	98673	38001	8545	1625
Crab, Dungeness, ocean	9379755	11612421	9447752	4838017	11810919	10400813	10539413	11915767	19293218	7775376
Crab, hermit.....	0	0	21	17	0	30	2	37	0	0
Crab, kelp.....	0	0	0	0	8	461	24	15	2	0
Crab, mole.....	15	8	0	0	0	0	0	0	0	0
Crab, rock.....	7772	4037	4571	5302	287	285	3683	3113	4930	1662
Crab, Tanner.....	0	16	0	9	9	2	6640	139169	35	1156
Crayfish.....	299013	237990	169909	124034	93058	57426	61631	68864	46951	52964
Shrimp, brine.....	26600	29800	39300	28500	43700	43200	41000	42250	0	5000
Shrimp, coonstripe....	0	0	0	44	0	0	0	1223	1513	619
Shrimp, ghost.....	70815	68040	72778	99327	100399	72262	65119	66774	50136	38309
Shrimp, mud.....	40277	40995	51911	56022	51141	48300	25447	28188	18837	21669
Shrimp, pink.....	41846202	49128914	31882770	21711413	48033256	26923125	16386022	12105862	15726666	19559785
Shrimp, sidestripe....	0	0	0	0	0	0	23	0	23	0
Shrimp, spot.....	0	74	0	0	0	40212	65019	16699	7931	86510
Water flea (Daphnia)..	0	3000	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	2492	3806	4604	3546	983	6382	1961	7852	1389	13060
Clams, cockle.....	30068	44344	45607	56129	37484	71907	163295	96622	57600	48210
Clams, gaper.....	3656	5164	10391	8660	9351	5464	2146	12677	3459	4283
Clams, littleneck.....	6971	6032	7521	9446	10280	36632	6084	9135	4497	9389
Clams, softshell.....	1596	1136	4633	8592	6237	7312	7448	106	191	739

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1988-1997. (CONT.)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Clams, razor.....	33910	32177	13474	28580	0	62	19116	58830	2901	2066
Mussels, ocean.....	50656	65048	44445	31931	22472	22934	20009	25702	2756	1919
Mussels, freshwater...	2564	3773	9946	4991	22715	2333	13999	0	0	0
Octopus.....	46903	15318	17022	14844	20169	30349	9507	5469	16049	42236
Scallops, rock.....	0	220	24	0	29	0	126	20	0	0
Scallops, weathervane	29226	0	1781	1021	1944	286194	153855	976	0	9773
Snails & chitons.....	0	0	0	14	0	14	92	23	27	679
Squid.....	5	96025	0	95	13344	130646	233003	246406	229323	271246
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	0	3	0	0	82	0	0	0
Sea anemone.....	0	0	0	32	0	0	0	131	0	0
Sea cucumber.....	0	0	0	1	0	5148	10534	0	0	7268
Sea stars.....	0	0	0	55	0	1290	3096	1770	1467	1545
Sea urchin, purple....	0	0	0	0	96883	34235	197109	42359	675	310
Sea urchin, red.....	1970963	7842658	9320868	4736872	2857392	2183266	1789598	1495313	819483	490087
Sea urchins, other sp	0	0	0	10	0	100	0	0	0	0
Bloodworms.....	0	28	0	0	0	0	0	0	0	0
Worms, tube.....	1570	1938	0	0	0	0	0	0	0	0
	148401945	165623652	139071640	150033089	256989410	210414937	245732435	238693052	262500068	260954261

1/ BLACK AND CANARY ROCKFISH INCLUDED IN ROCKFISH, OTHER SP.  
 2/ CANARY ROCKFISH INCLUDED IN ROCKFISH, OTHER SP.

3/ LONGSPINE AND SHORTSPINE THORNYHEADS INCLUDED IN THORNYHEAD SP.  
 4/ INCLUDES MINK FOOD, WALLEYE AND INCIDENTAL MARINE SP.

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1988-1997.

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
FISH:										
Anchovy, northern.....	13	15	0	0	0	0	200	485	0	0
Cabezon.....	7110	4354	4735	9435	7655	2055	5336	5196	5574	37359
Carp.....	0	0	0	0	20	0	0	750	0	0
Cod, Pacific.....	625521	448314	130825	341619	306304	354692	128679	69006	73775	45335
Dace, speckled.....	0	0	0	148	68	0	0	0	0	0
Dolphinfish.....	0	0	0	0	0	0	0	21	0	218
Flounder, arrowtooth..	184682	242358	413558	527421	480458	357553	367575	347131	249498	251493
Flounder, starry.....	107108	133213	69209	210693	49744	48873	44459	26105	18989	36460
Greenling sp.....	121	99	4	166	31	426	942	99	468	43309
Grenadier.....	7331	17920	21535	20790	23232	91544	111946	150124	103174	65183
Hagfish sp.....	9024	103256	49434	69952	167523	80786	1343	193	10253	9669
Halibut, California...	0	0	0	0	44	0	74	175	641	723
Halibut, Pacific.....	873846	1302466	915808	1021787	827775	862125	1014736	941051	703703	695496
Herring, Pacific - roe	0	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	234041	267457	261308	172610	142710	42925	3112	90205	127965	72866
Lamprey, Pacific.....	1634	2950	3562	9017	2381	4028	4561	21760	28405	29140
Lingcod.....	799512	871307	652219	1083430	579369	671000	757249	612345	689153	788189
Lord, brown Irish.....	0	1	1	4	0	24	20	0	32	0
Lord, red Irish.....	1	1	14	3	15	149	314	225	9	125
Louvar.....	0	0	0	0	0	0	0	0	93	492
Mackerel.....	365	1174	3694	2598	956	3518	17356	10757	11492	3037
Marlin, striped.....	0	0	0	310	0	0	0	0	0	0
Minnow, fathead.....	0	0	0	1	11	286	0	0	0	0
Opah.....	80	0	0	0	0	0	0	0	22	240
Pollock, walleye.....	0	5	3	47	24	148	4	19	0	0
Prickleback spp.....	0	0	0	0	0	0	0	16	0	0
Ragfish.....	0	0	0	0	0	0	0	0	0	19
Ratfish.....	3	11	7	83	22	5	55	0	0	0
Pacific Ocean perch...	409484	432166	293148	497651	361251	480084	406412	363648	356427	285267

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1988-1997. (CONT).

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Nominal POP.....	804034	737407	763234	997904	526718	1139451	829951	468376	406960	443868
Rockfish, black.....	1/	1/	1/	1/	1/	1/	88888	118025	153671	206172
Rockfish, canary.....	1/	1/	1/	1/	1/	1/	2/	533736	734077	768266
Rockfish, widow.....	3387375	3923316	3162354	2619408	2873690	3952699	3031563	2797607	2549938	3290780
Rockfish, yellowtail..	1398034	1099739	1103934	1164470	2608814	1953664	2330511	2470770	2690158	1011504
Rockfish, other sp....	2899196 1/	3134719 1/	2177787 1/	3290452 1/	2892963 1/	3083577 1/	1879158 2/	1137441	1032307	969342
Thornyhead sp.....	780168 3/	2050440 3/	3867991 3/	3518127 3/	4094329 3/	4380911 3/	6328414 3/	0	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	3/	3/	5533646	3933963	2896321
Thornyhead, shortspine	3/	3/	3/	3/	3/	3/	3/	1736977	1357043	934793
Sablefish.....	4349726	3834542	3587209	5228787	5712658	4753287	7757008	9270421	9867602	10404773
Salmon, chinook.....	26844259	10652211	8067575	2930856	3120564	2177299	1019364	3432380	3152334	2659115
Salmon, chum.....	10650	2144	2745	560	684	135	48	44	8	69
Salmon, coho.....	11711991	3454954	1381662	2824793	410281	171954	403594	120333	132961	110365
Salmon, pink.....	10	13111	0	4062	14	18	0	206	0	69
Salmon, sockeye.....	126280	30	0	0	7	0	0	0	0	0
Sanddab, Pacific.....	79220	41369	121140	217731	182641	183998	330543	410065	66195	138865
Sculpin, buffalo.....	2	1	1	5	5	3	4	0	9	6
Sculpin, other sp.....	0	1	0	1	0	75	206	405	32	0
Shad, American.....	93575	73650	87987	30758	76704	66728	48403	86839	54274	12960
Shark, blue.....	0	0	56	97	86	117	86	179	417	207
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	32	0
Shark, shortfin mako..	0	0	0	0	0	0	0	0	349	1564
Shark, sixgill.....	0	74	89	150	7	52	75	0	69	11
Shark, soupfin.....	2751	3114	2716	3129	3657	2252	1728	1436	4627	2514
Shark, spiny dogfish..	191	333	2032	18562	4712	7229	11996	11448	2288	1364
Shark, thresher.....	135208	49	541	0	1068	445	0	1572	223	193
Shark, other sp.....	39	95	187	31	0	724	20	532	128	135
Shiner, redbside.....	0	0	0	579	256	0	0	2611	0	0
Skates and rays.....	1461	2654	638	2026	549	820	4354	59261	226114	332602
Skilfish.....	0	0	0	0	147	0	0	0	0	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1988-1997. (CONT).

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Smelt (eulachon).....	12343	4194	854	1054	2270	6565	223	5583	8439	63668
Smelt, whitebait.....	0	1451	0	56	0	0	0	0	0	0
Smelt, other sp.....	12	1924	20	80	406	128	215	196	74	27
Snailfish, blacktail..	0	0	0	0	0	0	0	18	0	0
Sole, butter.....	173	617	0	273	3	12	628	17	0	2247
Sole, curlfin (turbot)	2232	1907	172	775	266	925	1717	847	1528	1959
Sole, Dover.....	5216349	5472600	4531282	5974060	3739372	3879857	2535198	2599106	3273458	2642958
Sole, English.....	500680	562838	350404	619454	429459	472655	250434	243830	292116	379663
Sole, flathead.....	7946	2755	5134	1923	4921	3540	2518	1982	3184	1909
Sole, petrale.....	1662075	1589975	1358331	1688778	1358558	1307286	1108181	1701036	1538980	1645868
Sole, rex.....	285249	227305	159212	303914	219884	176327	145360	161487	214544	205221
Sole, rock.....	3022	2112	1510	1205	254	1501	2658	714	3706	11924
Sole, sand.....	260971	363872	347112	473235	278892	328726	303179	132801	119361	140399
Squawfish, northern...	0	2	0	72	52	0	0	0	0	0
Steelhead.....	382736	136572	132840	71958	155989	76756	36854	21685	3917	3217
Sturgeon, green.....	32230	5444	6831	17542	10989	13432	4944	3435	9587	20472
Sturgeon, white.....	423942	385225	376839	219431	270484	258634	188399	235401	243237	336373
Sturgeon, white - roe	925	0	0	0	800	1052	745	0	565	132
Sucker, bridgelip.....	0	0	0	139	228	0	0	0	0	0
Sucker, largescale....	0	1	0	0	7	0	0	0	0	0
Sunfish, ocean.....	5	0	0	0	0	0	0	0	54	0
Surfperch sp.....	3105	2810	3540	1748	3529	2458	1819	2226	4788	2260
Swordfish.....	0	0	0	0	0	0	0	23503	119451	50242
Tomcod, Pacific.....	31	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	3327289	887241	1669613	975651	3968744	3881329	3749088	3749889	7429611	6541647
Tuna, other.....	65	0	0	0	0	0	0	746	1156	4164
Wahoo.....	0	0	0	0	0	0	0	0	0	216
Walleye.....	0	4649	1223	1362	2269	2164	1857	4396	1636	0
Whiting, Pac. (hake)..	41183	14625	219501	1396758	5067451	2278648	4288503	7000346	4146641	6822679
Wolf-eel.....	1025	1471	946	535	689	339	930	1891	1050	1062

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1988-1997. (CONT).

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Wrymouth, giant.....	58	18	19	114	83	20	141	257	185	177
Miscellaneous.....4/	534	0	0	0	0	0	0	0	0	0
<b>CRUSTACEANS:</b>										
Barnacle, gooseneck...	8	1938	7	19	0	0	0	0	0	0
Crab, box.....	0	108	5120	6235	603	604	2723	264	586	50842
Crab, Dungeness, bay..	63332	101571	113577	138176	136975	89416	174334	65485	17409	3789
Crab, Dungeness, ocean	11217831	13462688	14441256	7324158	13250824	11708787	14288194	19979244	26162777	14633023
Crab, hermit.....	0	0	11	9	0	76	4	53	0	0
Crab, kelp.....	0	0	0	0	16	417	19	15	6	0
Crab, mole.....	70	8	0	0	0	0	0	0	0	0
Crab, rock.....	7772	4037	4643	4907	204	204	2723	3009	4822	1615
Crab, Tanner.....	0	16	0	9	9	4	6824	184900	0	655
Crayfish.....	415975	318466	211411	149464	107171	66761	71627	77947	59231	80349
Shrimp, brine.....	39900	46260	62520	51300	37145	36720	34851	35913	0	5000
Shrimp, coonstripe....	0	0	0	111	0	0	0	3579	3232	2168
Shrimp, ghost.....	90038	97903	98412	150903	132328	89293	76809	84185	72856	58183
Shrimp, mud.....	66198	67123	86745	91671	65308	61321	32073	35470	24561	29389
Shrimp, pink.....	17149670	17906265	15628757	12069476	17186998	8911606	9626445	8599422	9361576	7910567
Shrimp, sidestripe....	0	0	0	0	0	0	91	0	69	0
Shrimp, spot.....	0	259	0	0	0	92642	166653	47394	22600	277894
Water flea (Daphnia)..	0	3000	0	0	0	0	0	0	0	0
<b>MOLLUSKS:</b>										
Clams, butter.....	1549	1547	1313	1722	1116	3003	627	2730	422	4434
Clams, cockle.....	12075	20643	24504	27644	17232	34671	64837	34922	19452	17291
Clams, gaper.....	1176	1750	4083	2993	5339	2682	1197	6031	1550	1283
Clams, littleneck.....	8219	8951	11775	16285	16409	55556	10997	15609	7483	15679
Clams, softshell.....	554	450	3377	8564	4491	4788	4563	636	990	370
Clams, razor.....	86831	87962	39487	73112	0	142	28307	114890	6585	7138
Mussels, ocean.....	20075	21871	14388	6925	5848	7583	5364	8989	1287	1101

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1988-1997. (CONT).

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Mussels, freshwater...	744	1094	2885	1447	15647	817	4900	0	0	0
Octopus.....	31257	8625	11532	10398	21478	24140	6633	11224	14181	25480
Scallops, rock.....	0	10	1	0	203	0	88	10	0	0
Scallops, weathervane	12017	0	767	413	1415	131468	67953	320	0	5123
Snails & chitons.....	0	0	0	2	0	28	0	38	0	534
Squid.....	1	7683	0	29	1607	31242	35676	41483	36898	49466
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	0	1	0	0	41	0	0	0
Sea anemone.....	0	0	0	1	0	0	0	309	0	0
Sea cucumber.....	0	0	0	1	0	6645	21068	0	0	6998
Sea stars.....	0	0	0	2	0	2509	3552	2933	1329	1545
Sea urchin, purple....	0	0	0	0	65849	20808	105248	21186	68	106
Sea urchin, red.....	571083	2728272	4413286	3455874	2212906	1909015	1373040	1205180	431405	263648
Sea urchins, other sp	0	0	0	1	0	100	0	0	0	0
Bloodworms.....	0	11	0	0	0	0	0	0	0	0
Worms, tube.....	314	773	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>97844915</b>	<b>77419912</b>	<b>71494182</b>	<b>62162222</b>	<b>74262867</b>	<b>60861061</b>	<b>65771339</b>	<b>77308383</b>	<b>82414095</b>	<b>68888800</b>

1/ BLACK AND CANARY ROCKFISH INCLUDED IN ROCKFISH, OTHER SP.  
 2/ CANARY ROCKFISH INCLUDED IN ROCKFISH, OTHER SP.

3/ LONGSPINE AND SHORTSPINE THORNYHEADS INCLUDED IN THORNYHEAD SP.  
 4/ INCLUDES MINK FOOD, WALLEYE AND INCIDENTAL MARINE SP.

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1997.

SPECIES	COLUMBIA		PACIFIC		DEPOE	WINCHESTER				PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
<b>FISH:</b>															
Cabezon.....	0	161	93	1413	4881	241	11	0	264	0	34149	1090	3876	0	46179
Cod, Pacific.....	0	105793	204	7	0	9237	0	0	377	0	0	0	26	0	115644
Dolphinfish.....	0	75	0	0	0	0	0	0	105	0	0	0	0	0	180
Flounder, arrowtooth..	0	1841030	4774	0	0	365589	96	0	311228	0	121	0	38756	0	2561594
Flounder, starry.....	18	84486	122	0	0	7125	5944	0	20755	0	0	0	22	0	118472
Greenling sp.....	0	0	4	0	0	8	0	0	20	0	21980	867	426	0	23305
Grenadier.....	0	83386	0	0	0	30104	0	0	519666	0	11	0	32122	0	665289
Hagfish sp.....	0	24172	0	0	0	0	0	0	0	0	0	0	0	0	24172
Halibut, California...	0	0	0	0	0	0	78	0	94	0	0	0	350	0	522
Halibut, Pacific.....	0	208307	23841	56	960	80197	7779	11605	28853	133	13542	0	1319	0	376592
Herring, Pacific - roe	0	0	0	0	0	6168	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	0	62369	0	0	0	115461	0	2025	0	0	0	0	0	0	179855
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	34242	34242
Lingcod.....	0	388152	10294	12893	9617	730561	7554	1967	284940	533	109076	2976	130669	0	1689232
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	61	3	0	0	64
Louvar.....	0	30	0	0	0	119	0	0	0	0	0	0	0	0	149
Mackerel.....	0	1321587	0	0	0	3041379	0	0	11024	0	72	0	0	0	4374062
Marlin, striped.....	0	98	0	0	0	0	0	0	0	0	0	0	0	0	98
Opah.....	0	0	0	0	0	147	0	0	0	0	0	0	0	0	147
Pomfret, Pacific.....	0	0	0	0	0	178	0	0	0	0	0	0	0	0	178
Ragfish.....	0	37	0	0	0	0	0	0	0	0	0	0	0	0	37
Ratfish.....	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Pacific Ocean perch...	0	668263	4372	0	0	186476	0	0	22267	0	440	0	0	0	881818
Nominal POP.....	0	384500	4551	0	0	538045	709	438	683338	0	17406	0	153847	0	1782834
Rockfish, black.....	0	65394	11580	55656	551	1643	23	0	5281	406	208578	5004	44514	0	398630
Rockfish, canary.....	0	499952	1103	151	32	498831	1542	480	364437	7	108634	37	66722	0	1541928
Rockfish, widow.....	0	4780708	38301	0	0	3603337	0	11	2084516	0	894	0	601280	0	11109047



TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1997. (CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
Rockfish, yellowtail..	0	1708130	14753	624	0	500255	9478	925	403498	67	57334	1	90043	0	2785108
Rockfish, other sp....	0	767127	13647	1839	5804	481471	2653	2231	651640	990	119527	22971	90270	0	2160170
Thornyhead, longspine	0	1407448	18593	0	0	621825	519	0	1495787	0	0	0	467137	0	4011309
Thornyhead, shortspine	0	404152	2160	0	0	237872	1035	0	355957	0	0	0	117704	0	1118880
Sablefish.....	0	1835112	19783	0	3	1803963	54818	76995	1654914	0	646146	1722	449502	0	6542958
Salmon, chinook.....	304542	3461	35282	1073	3903	1214030	100525	29898	296366	11020	29836	897	52559	206	2083598
Salmon, chum.....	234	0	16	0	0	0	0	0	0	0	0	0	0	0	250
Salmon, coho.....	150724	0	0	0	0	0	0	0	0	0	0	0	0	0	150724
Salmon, pink.....	0	0	41	0	0	91	0	5	8	0	0	0	0	0	145
Sanddab, Pacific.....	0	54613	51	0	0	35426	117319	0	310569	0	0	0	13931	0	531909
Sardine, Pacific.....	0	9	0	0	0	85	0	0	0	0	0	0	0	0	94
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
Shad, American.....	75604	70814	0	0	0	2402	0	132	147	0	0	0	0	0	149099
Shark, blue.....	0	308	0	0	0	102	0	0	406	0	126	0	19	0	961
Shark, shortfin mako..	0	0	0	0	0	879	0	0	0	0	0	0	0	0	879
Shark, sixgill.....	0	300	0	0	0	0	0	0	0	0	0	0	0	0	300
Shark, soupfin.....	0	1066	0	0	0	998	0	0	881	0	276	0	560	0	3781
Shark, spiny dogfish..	0	11795	0	0	0	1065	0	0	1027	0	626	0	4	0	14517
Shark, thresher.....	0	193	0	0	0	0	0	0	0	0	0	0	0	0	193
Shark, other sp.....	0	10	0	0	0	35	0	17	92	0	0	0	0	0	154
Skates and rays.....	0	640300	27076	0	0	642368	2257	86	493779	0	566	0	128031	0	1934463
Smelt (eulachon).....	27059	0	0	0	0	0	0	0	0	0	0	0	0	0	27059
Smelt, other sp.....	0	15	0	0	0	0	0	100	0	0	0	0	0	0	115
Sole, butter.....	0	952	0	0	0	0	313	0	4521	0	0	0	25	0	5811
Sole, curlfin (turbot)	0	177	0	0	0	174	897	0	4472	0	0	0	61	0	5781
Sole, Dover.....	0	3558197	59651	0	0	1499983	23830	5	2831682	0	316	0	768792	0	8742456
Sole, English.....	0	544618	3494	0	0	233843	10780	0	393687	0	0	0	28132	0	1214554
Sole, flathead.....	0	5915	90	0	0	0	0	0	0	0	0	0	0	0	6005
Sole, petrale.....	0	508463	19175	0	0	307081	8380	3	767608	0	0	0	166004	0	1776714

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1997. (CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE	WINCHESTER				PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
Sole, rex.....	0	262827	3113	0	0	114651	1987	0	234383	0	3	0	65118	0	682082
Sole, rock.....	0	1201	280	0	0	2927	3484	0	20821	0	15	0	12	0	28740
Sole, sand.....	0	36952	3230	0	0	46837	27581	0	76644	0	0	0	61	0	191305
Steelhead.....	9831	0	0	0	0	0	0	0	0	0	0	0	0	0	9831
Sturgeon, green.....	31389	1221	0	0	0	10704	624	0	1880	0	0	0	0	0	45818
Sturgeon, white.....	303967	7570	0	0	0	0	249	0	44	0	0	0	0	0	311830
Sturgeon, white - roe	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Surfperch sp.....	0	0	115	0	0	464	0	0	8	0	0	10	1551	0	2148
Swordfish.....	0	1262	0	0	0	11467	0	0	0	0	0	0	0	0	12729
Tuna, bluefin.....	0	384	0	0	0	863	0	0	0	0	0	0	0	0	1247
Tuna, skipjack.....	0	100	0	0	0	0	0	0	361	0	0	0	0	0	461
Tuna, albacore.....	0	3966798	257245	3635	657	3934620	29641	81686	640873	7031	67602	6950	171000	0	9167738
Tuna, yellowfin.....	0	53	0	0	0	0	0	0	493	0	0	0	0	0	546
Wahoo.....	0	0	0	0	0	0	0	0	216	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	82508240	3100	0	0	80041243	0	0	228928	0	0	0	0	0	162781511
Wolf-eel.....	0	388	0	0	0	381	20	10	1949	0	804	0	50	0	3602
Wrymouth, giant.....	0	1071	0	0	0	147	0	0	85	0	0	0	0	0	1303
CRUSTACEANS:															
Crab, box.....	0	6059	913	0	0	58708	1111	429	4	0	0	0	0	0	67224
Crab, Dungeness, bay..	0	0	0	0	0	23	0	630	476	0	0	0	0	496	1625
Crab, Dungeness, ocean	0	2780232	286016	2582	54477	1985932	187378	336248	764265	514	291468	12256	1069894	4114	7775376
Crab, rock.....	0	0	0	0	0	1662	0	0	0	0	0	0	0	0	1662
Crab, Tanner.....	0	0	0	0	0	0	0	0	1156	0	0	0	0	0	1156
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	52964	52964
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	5000
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	0	0	619	0	619
Shrimp, ghost.....	0	0	0	2634	0	16	1948	49	7044	0	0	0	0	26618	38309
Shrimp, mud.....	0	0	0	0	0	1793	0	0	109	0	0	0	0	19767	21669
Shrimp, pink.....	0	3178684	983865	0	0	4707257	2500	0	5275702	0	5811	0	5405966	0	19559785

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1997. (CONT.)

SPECIES	COLUMBIA RIVER 1/	ASTORIA	GARIBALDI	PACIFIC CITY	DEPOE BAY	NEWPORT	FLORENCE	WINCHESTER BAY	CHARLESTON	BANDON	PORT ORFORD	GOLD BEACH	BROOKINGS	OTHER 2/ LOCATIONS	TOTAL
Shrimp, spot.....	0	67813	11458	0	0	0	0	0	5300	0	0	0	1939	0	86510
<b>MOLLUSKS:</b>															
Clams, butter.....	0	0	12652	0	0	0	0	0	408	0	0	0	0	0	13060
Clams, cockle.....	0	0	47957	0	0	0	0	0	53	0	0	0	0	200	48210
Clams, gaper.....	0	0	4226	0	0	0	0	0	40	0	0	0	0	17	4283
Clams, littleneck.....	0	0	4769	0	0	0	0	0	0	0	0	0	0	4620	9389
Clams, softshell.....	0	0	0	0	0	0	0	367	167	205	0	0	0	0	739
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2066	2066
Mussels, ocean.....	0	0	0	0	0	656	770	37	0	315	0	0	0	141	1919
Octopus.....	0	6620	83	0	108	6693	290	0	12350	0	9853	0	6239	0	42236
Scallops, weathervane	0	5930	0	0	0	3843	0	0	0	0	0	0	0	0	9773
Snails & chitons.....	0	10	0	0	0	669	0	0	0	0	0	0	0	0	679
Squid.....	0	8520	0	0	0	9322	0	0	253404	0	0	0	0	0	271246
<b>OTHER INVERTEBRATES:</b>															
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0	7268	0	0	0	7268
Sea stars.....	0	0	0	0	0	1545	0	0	0	0	0	0	0	0	1545
Sea urchin, purple....	0	0	0	0	310	0	0	0	0	0	0	0	0	0	310
Sea urchin, red.....	0	0	0	0	39658	1605	0	0	0	0	301788	108691	38345	0	490087
<b>TOTAL</b>	<b>903374</b>	<b>114883610</b>	<b>1932073</b>	<b>82563</b>	<b>120961</b>	<b>107742833</b>	<b>614123</b>	<b>546379</b>	<b>21531369</b>	<b>21221</b>	<b>2054332</b>	<b>163475</b>	<b>10207497</b>	<b>150451</b>	<b>260954261</b>

1/ OREGON LANDINGS ONLY.

2/ LANDINGS AT SEASIDE/GEARHART, CANNON BEACH, NEHALEM BAY, NETARTS BAY, SILETZ BAY, WALDPOR AND INLAND WATERS.

SEE TABLE 63 FOR LANDINGS OF CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP BY COUNTY.

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	4726	1893	2503	2274	4879	6413	5420	4641	5834	4326	1067	2203	46179
Cod, Pacific.....	1957	1588	1807	4214	14640	16754	15814	15758	8705	6035	4007	24365	115644
Dolphinfish.....	0	0	0	105	0	0	0	0	0	0	0	75	180
Flounder, arrowtooth..	87345	98635	74137	127073	821860	559947	404482	217348	121037	18652	8062	23016	2561594
Flounder, starry.....	0	54	129	425	3846	5371	34162	12390	16011	44476	1608	0	118472
Greenling sp.....	319	182	406	731	3194	6772	2753	2724	3170	1982	567	505	23305
Grenadier.....	30667	41339	43492	51361	81891	70100	67175	70301	78265	38290	43679	48729	665289
Hagfish sp.....	0	24172	0	0	0	0	0	0	0	0	0	0	24172
Halibut, California...	0	0	0	0	70	0	176	276	0	0	0	0	522
Halibut, Pacific.....	0	25	0	0	8438	154855	154621	6109	52532	12	0	0	376592
Herring, Pacific - roe	0	0	6168	0	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	0	110324	20	0	0	8579	52857	8075	0	0	0	0	179855
Lamprey, Pacific.....	0	0	0	0	0	10355	21671	2216	0	0	0	0	34242
Lingcod.....	83250	70678	100019	131569	246876	222449	208592	178442	155801	116810	83264	91482	1689232
Lord, red Irish.....	0	0	0	0	6	26	7	9	7	7	0	2	64
Louvar.....	0	0	0	0	0	0	0	0	30	119	0	0	149
Mackerel.....	2365	2742	3748	15	20	163100	2685976	1511047	1205	1725	859	1260	4374062
Marlin, striped.....	0	0	0	0	0	0	0	0	0	98	0	0	98
Opah.....	0	0	0	0	0	0	0	0	27	120	0	0	147
Pomfret, Pacific.....	0	0	0	0	0	0	178	0	0	0	0	0	178
Ragfish.....	0	0	37	0	0	0	0	0	0	0	0	0	37
Ratfish.....	0	0	0	0	0	0	11	0	0	0	0	0	11
Pacific Ocean perch...	39937	48203	40980	87217	119556	113951	106835	99425	78373	58724	38281	50336	881818
Nominal POP.....	101833	93937	120286	168290	183655	177345	155430	163311	138869	126533	121535	231810	1782834
Rockfish, black.....	7014	5781	7511	24269	65484	74944	60774	62363	55175	26270	4421	4624	398630
Rockfish, canary.....	36210	98209	93470	151026	243438	229214	135733	138881	138265	104146	69790	103546	1541928
Rockfish, widow.....	814326	923784	694008	751666	595289	1730511	1508471	1055240	987582	706601	777448	564121	11109047
Rockfish, yellowtail..	77411	93122	126373	179695	248240	251505	343637	336101	152002	182728	225362	568932	2785108
Rockfish, other sp....	159038	150023	124144	161530	262402	263607	187552	224991	179860	113910	90762	242351	2160170

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Thornyhead, longspine	395676	402953	479595	443614	431830	306072	305312	286672	261763	241502	199089	257231	4011309
Thornyhead, shortspine	105090	100813	112764	131678	116193	92360	84829	90668	87773	64369	52880	79463	1118880
Sablefish.....	308350	335384	393654	465083	590671	572445	510223	1366950	1031175	631573	140964	196486	6542958
Salmon, chinook.....	142	1587	0	97625	412007	457452	2002	520489	479939	99680	12675	0	2083598
Salmon, chum.....	0	0	0	0	0	0	0	0	7	243	0	0	250
Salmon, coho.....	0	0	0	0	0	0	0	1165	134169	15390	0	0	150724
Salmon, pink.....	0	0	0	48	26	54	0	17	0	0	0	0	145
Sanddab, Pacific.....	18773	38128	47816	149579	35026	40390	31082	21735	26691	80343	42159	187	531909
Sardine, Pacific.....	0	0	0	0	0	0	37	57	0	0	0	0	94
Sculpin, buffalo.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Shad, American.....	26	242	444	812	14219	65111	13950	54182	113	0	0	0	149099
Shark, blue.....	0	0	0	0	0	391	355	172	0	0	43	0	961
Shark, shortfin mako..	0	0	0	0	0	0	0	0	47	832	0	0	879
Shark, sixgill.....	0	160	0	22	0	0	0	0	49	0	69	0	300
Shark, soupfin.....	253	346	61	0	286	214	237	298	835	377	659	215	3781
Shark, spiny dogfish..	249	19	296	376	5710	3	1345	4398	12	1091	435	583	14517
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	193	0	193
Shark, other sp.....	0	0	0	54	0	83	0	0	17	0	0	0	154
Skates and rays.....	154501	171860	156956	265100	179335	72279	117835	184724	345084	114150	77847	94792	1934463
Smelt (eulachon).....	3772	23222	0	0	0	0	0	0	0	0	0	65	27059
Smelt, other sp.....	0	0	0	0	0	15	0	100	0	0	0	0	115
Sole, butter.....	0	0	0	0	476	632	1075	1187	1953	488	0	0	5811
Sole, curlfin (turbot)	53	0	0	279	2788	854	1101	385	117	30	174	0	5781
Sole, Dover.....	923851	910806	1144443	1174288	990139	822472	777773	852355	776076	123510	85795	160948	8742456
Sole, English.....	58815	57555	53453	104926	129461	116538	149106	214235	152856	92598	31520	53491	1214554
Sole, flathead.....	0	0	160	0	392	1730	1157	1025	1174	367	0	0	6005
Sole, petrale.....	468257	236985	78980	74211	76818	50944	79138	72387	81062	53900	58701	445331	1776714
Sole, rex.....	66321	62481	34073	62071	95526	86118	78895	78753	53291	18771	10377	35405	682082
Sole, rock.....	0	13	4	17	2866	12107	7783	3862	1830	200	10	48	28740
Sole, sand.....	2	64	4	2976	21752	33486	59145	32049	22651	13587	5543	46	191305

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Steelhead.....	0	0	0	0	0	0	0	2859	6972	0	0	0	9831
Sturgeon, green.....	0	0	0	113	774	1103	353	28284	1752	8831	4608	0	45818
Sturgeon, white.....	16561	41344	14080	5941	15088	7870	188	36762	37415	122111	14470	0	311830
Sturgeon, white - roe..	0	0	6	0	0	0	0	0	0	0	0	0	6
Surfperch sp.....	0	4	77	1559	419	60	20	9	0	0	0	0	2148
Swordfish.....	0	0	0	0	0	0	0	0	5189	7540	0	0	12729
Tuna, bluefin.....	0	0	0	0	0	0	0	0	384	863	0	0	1247
Tuna, skipjack.....	0	0	0	361	0	0	0	0	0	0	0	100	461
Tuna, albacore.....	0	0	0	104	0	42699	1158150	4495488	2898277	369410	183182	20428	9167738
Tuna, yellowfin.....	0	0	0	493	0	0	0	0	0	0	0	53	546
Wahoo.....	0	0	0	216	0	0	0	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	0	1244	17884	10995	34244239	75490458	52978209	18033	2688	12553	5208	162781511
Wolf-eel.....	4	9	82	373	1101	492	586	707	211	21	16	0	3602
Wrymouth, giant.....	8	137	8	0	181	342	394	102	95	36	0	0	1303
CRUSTACEANS:													
Crab, box.....	162	35034	11737	7884	4	0	0	0	0	4789	7614	0	67224
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	174	607	805	39	1625
Crab, Dungeness, ocean	1313917	374641	157408	150967	101948	68422	150213	141508	0	0	19	5316333	7775376
Crab, rock.....	0	407	333	32	312	146	68	266	60	0	20	18	1662
Crab, Tanner.....	0	0	437	0	95	13	0	70	0	541	0	0	1156
Crayfish.....	0	0	0	251	1923	9195	12747	11009	12215	5624	0	0	52964
Shrimp, brine.....	0	0	0	0	0	0	5000	0	0	0	0	0	5000
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	496	123	619
Shrimp, ghost.....	1788	2346	2129	2998	6109	5566	4734	3589	3414	3241	1642	753	38309
Shrimp, mud.....	4369	5363	3015	1085	536	201	0	0	120	285	2895	3800	21669
Shrimp, pink.....	0	0	0	2187657	6511676	3337316	1656411	2088608	2882659	895458	0	0	19559785
Shrimp, spot.....	31	0	2482	284	545	0	1790	32002	18478	19601	5375	5922	86510
MOLLUSKS:													
Clams, butter.....	0	120	137	2684	1414	674	418	1098	1275	1050	710	3480	13060

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, cockle.....	8350	6700	4925	9521	1244	1613	999	1738	7960	1275	2305	1580	48210
Clams, gaper.....	0	0	0	0	10	0	639	30	402	0	402	2800	4283
Clams, littleneck.....	37	240	475	1155	1510	1619	1320	1847	731	246	154	55	9389
Clams, softshell.....	0	0	97	130	10	101	102	100	0	53	146	0	739
Clams, razor.....	52	47	92	285	574	182	126	0	0	321	282	105	2066
Mussels, ocean.....	0	0	527	165	32	353	250	563	10	12	7	0	1919
Octopus.....	3928	2363	2507	4791	5652	4940	4792	4291	4519	1719	574	2160	42236
Scallops, weathervane	0	0	3843	0	0	0	0	0	0	5930	0	0	9773
Snails & chitons.....	40	0	0	12	332	285	0	0	0	10	0	0	679
Squid.....	0	82	14	593	56392	138101	2964	6227	4313	4882	7501	50177	271246
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	2284	2501	1045	1438	0	0	0	0	0	7268
Sea stars.....	82	43	194	236	197	130	122	87	143	0	196	115	1545
Sea urchin, purple....	0	0	0	0	0	0	0	0	140	170	0	0	310
Sea urchin, red.....	88192	29783	52477	30653	28665	3705	31118	32015	38562	49779	56291	48847	490087
<b>TOTAL</b>	<b>5388050</b>	<b>4605972</b>	<b>4200267</b>	<b>7244933</b>	<b>12759544</b>	<b>44667960</b>	<b>86900107</b>	<b>67764981</b>	<b>11574937</b>	<b>4611658</b>	<b>2492108</b>	<b>8743744</b>	<b>260954261</b>

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1997. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>BELOW BONNEVILLE DAM</b>													
<b>FISH:</b>													
Flounder, starry.....	0	8	0	0	0	0	0	10	0	0	0	0	18
Salmon, chinook.....	142	1587	0	4350	18304	1684	0	30841	70957	40732	744	0	169341
Salmon, chum.....	0	0	0	0	0	0	0	0	7	227	0	0	234
Salmon, coho.....	0	0	0	0	0	0	0	1158	132875	15390	0	0	149423
Shad, American.....	0	0	0	0	12229	55577	0	0	0	0	0	0	67806
Smelt (eulachon).....	3772	23222	0	0	0	0	0	0	0	0	0	65	27059
Sturgeon, green.....	0	0	0	0	0	38	0	27921	1055	2302	73	0	31389
Sturgeon, white.....	14910	37213	0	379	6560	1888	0	36739	30815	121292	14439	0	264235
<b>TOTAL</b>	<b>18824</b>	<b>62030</b>	<b>0</b>	<b>4729</b>	<b>37093</b>	<b>59187</b>	<b>0</b>	<b>96669</b>	<b>235709</b>	<b>179943</b>	<b>15256</b>	<b>65</b>	<b>709505</b>
<b>ABOVE BONNEVILLE DAM</b>													
<b>FISH:</b>													
Salmon, chinook.....	0	0	0	0	0	0	0	10707	124494	0	0	0	135201
Salmon, coho.....	0	0	0	0	0	0	0	7	1294	0	0	0	1301
Shad, American.....	0	0	0	0	1000	6798	0	0	0	0	0	0	7798
Steelhead.....	0	0	0	0	0	0	0	2859	6972	0	0	0	9831
Sturgeon, white.....	1651	4131	14080	5516	8422	5932	0	0	0	0	0	0	39732
Sturgeon, white - roe	0	0	6	0	0	0	0	0	0	0	0	0	6
<b>TOTAL</b>	<b>1651</b>	<b>4131</b>	<b>14086</b>	<b>5516</b>	<b>9422</b>	<b>12730</b>	<b>0</b>	<b>13573</b>	<b>132760</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>193869</b>
<b>TOTAL</b>	<b>20475</b>	<b>66161</b>	<b>14086</b>	<b>10245</b>	<b>46515</b>	<b>71917</b>	<b>0</b>	<b>110242</b>	<b>368469</b>	<b>179943</b>	<b>15256</b>	<b>65</b>	<b>903374</b>

1/ OREGON LANDINGS ONLY.



TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1997. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	0	0	0	73	12	76	0	0	0	161
Cod, Pacific.....	1903	1369	1576	3859	12952	15124	14759	14324	6990	5742	3894	23301	105793
Dolphinfish.....	0	0	0	0	0	0	0	0	0	0	0	75	75
Flounder, arrowtooth..	43159	58763	46305	60735	724943	412256	287885	143379	47246	9460	1048	5851	1841030
Flounder, starry.....	0	39	129	142	762	390	21811	6185	13973	41019	36	0	84486
Grenadier.....	1443	4585	2219	9392	15943	13305	5432	9728	11293	5620	3533	893	83386
Hagfish sp.....	0	24172	0	0	0	0	0	0	0	0	0	0	24172
Halibut, Pacific.....	0	0	0	0	0	132338	17444	6002	52523	0	0	0	208307
Herring, Pacific.....	0	0	0	0	0	8050	49991	4328	0	0	0	0	62369
Lingcod.....	6692	7049	5723	37383	62428	53273	54379	70179	48044	18161	9104	15737	388152
Louvar.....	0	0	0	0	0	0	0	0	30	0	0	0	30
Mackerel.....	0	126	0	0	0	38373	731723	550132	1179	54	0	0	1321587
Marlin, striped.....	0	0	0	0	0	0	0	0	0	98	0	0	98
Ragfish.....	0	0	37	0	0	0	0	0	0	0	0	0	37
Pacific Ocean perch...	32093	31264	26784	71635	87078	90824	88262	78928	59685	40975	26971	33764	668263
Nominal POP.....	8288	10889	12547	60523	47311	56817	49452	40344	34000	23958	9768	30603	384500
Rockfish, black.....	0	12	16	819	4363	22437	14013	2596	13554	7484	100	0	65394
Rockfish, canary.....	9572	25200	15076	52941	66172	65410	46418	54849	49309	39176	32987	42842	499952
Rockfish, widow.....	124544	256017	99750	224381	136407	927990	971064	646650	606049	326749	290876	170231	4780708
Rockfish, yellowtail..	35481	36510	47697	84858	103467	141521	251532	252583	89697	114939	164011	385834	1708130
Rockfish, other sp....	41157	47358	38743	78544	97226	93898	87671	72982	65251	47416	36510	60371	767127
Thornyhead, longspine	126429	132025	140449	176502	160138	112321	135008	112582	107021	105557	42612	56804	1407448
Thornyhead, shortspine	36957	33666	44931	47903	46374	29692	35621	33844	32516	24318	16240	22090	404152
Sablefish.....	112180	106332	130683	163660	178052	164034	160073	271235	262893	189448	32761	63761	1835112
Salmon, chinook.....	0	0	0	0	299	952	0	1881	329	0	0	0	3461
Sanddab, Pacific.....	3865	1599	2918	6858	7225	10128	4080	8479	4287	4933	196	45	54613
Sardine, Pacific.....	0	0	0	0	0	0	0	9	0	0	0	0	9
Shad, American.....	26	0	0	715	990	2533	13050	53387	113	0	0	0	70814
Shark, blue.....	0	0	0	0	0	152	150	6	0	0	0	0	308

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1997. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, sixgill.....	0	160	0	22	0	0	0	0	49	0	69	0	300
Shark, soupfin.....	73	86	0	0	0	69	0	186	533	119	0	0	1066
Shark, spiny dogfish..	0	8	0	376	5710	3	532	4395	12	759	0	0	11795
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	193	0	193
Shark, other sp.....	0	0	0	0	0	10	0	0	0	0	0	0	10
Skates and rays.....	42793	54785	31587	50690	75587	18299	59751	86989	139075	56963	5675	18106	640300
Smelt, other sp.....	0	0	0	0	0	15	0	0	0	0	0	0	15
Sole, butter.....	0	0	0	0	0	0	722	88	142	0	0	0	952
Sole, curlfin (turbot)	0	0	0	0	0	177	0	0	0	0	0	0	177
Sole, Dover.....	386468	380726	461370	527374	445166	296181	342684	330104	231651	66501	27291	62681	3558197
Sole, English.....	22684	24927	9268	28477	40218	50141	83086	134236	84608	39813	9877	17283	544618
Sole, flathead.....	0	0	160	0	392	1674	1157	1025	1140	367	0	0	5915
Sole, petrale.....	115224	107777	19882	10018	14326	18090	16483	18749	14653	16876	10029	146356	508463
Sole, rex.....	17472	13496	6821	18518	43537	35353	39869	44255	22930	11429	1764	7383	262827
Sole, rock.....	0	13	4	17	445	108	110	269	129	48	10	48	1201
Sole, sand.....	0	24	4	399	7123	2017	15661	5764	3850	2047	63	0	36952
Sturgeon, green.....	0	0	0	0	0	0	142	0	697	362	20	0	1221
Sturgeon, white.....	0	0	0	46	0	0	74	0	6600	819	31	0	7570
Swordfish.....	0	0	0	0	0	0	0	0	1262	0	0	0	1262
Tuna, bluefin.....	0	0	0	0	0	0	0	0	384	0	0	0	384
Tuna, skipjack.....	0	0	0	0	0	0	0	0	0	0	0	100	100
Tuna, albacore.....	0	0	0	0	0	14986	334038	1924188	1322160	182203	168795	20428	3966798
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	0	53	53
Whiting, Pac. (hake)..	0	0	0	11818	0	18498675	37705243	26266120	13831	0	12553	0	82508240
Wolf-eel.....	0	0	0	53	64	56	92	113	10	0	0	0	388
Wrymouth, giant.....	8	0	8	0	166	298	382	102	71	36	0	0	1071
CRUSTACEANS:													
Crab, box.....	45	4478	1296	240	0	0	0	0	0	0	0	0	6059
Crab, Dungeness, ocean	438938	135368	41697	50178	30058	19197	13796	2875	0	0	0	2048125	2780232
Shrimp, pink.....	0	0	0	312866	891238	771791	639288	202582	283498	77421	0	0	3178684

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1997. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, spot.....	0	0	0	0	0	0	1530	31334	12496	17078	5375	0	67813
<b>MOLLUSKS:</b>													
Octopus.....	54	253	63	926	780	1100	1048	1008	970	215	96	107	6620
Scallops, weathervane	0	0	0	0	0	0	0	0	0	5930	0	0	5930
Snails & chitons.....	0	0	0	0	0	0	0	0	0	10	0	0	10
Squid.....	0	82	14	593	717	243	868	916	121	1927	1505	1534	8520
<b>OTHER INVERTEBRATES:</b>													
TOTAL	1607548	1499158	1187757	2093461	3307657	22120301	42296447	31489922	3646930	1486030	913993	3234406	114883610

1/ OCEAN LANDINGS ONLY; SEE TABLE 6 FOR COLUMBIA RIVER LANDINGS

2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 7A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SEASIDE/GEARHART, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Clams, razor.....	52	47	92	285	574	182	126	0	0	321	282	105	2066
<b>TOTAL</b>	<b>52</b>	<b>47</b>	<b>92</b>	<b>285</b>	<b>574</b>	<b>182</b>	<b>126</b>	<b>0</b>	<b>0</b>	<b>321</b>	<b>282</b>	<b>105</b>	<b>2066</b>

TABLE 7B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CANNON BEACH, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Salmon, chinook.....	0	0	0	0	0	0	0	87	119	0	0	0	206
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	0	0	218	644	1845	718	0	0	0	0	3425
Shrimp, ghost.....	0	0	0	0	0	0	58	22	0	0	0	0	80
<b>MOLLUSKS:</b>													
Clams, gaper.....	0	0	0	0	0	0	0	0	17	0	0	0	17
Clams, littleneck.....	0	0	30	309	927	614	572	1322	511	216	119	0	4620
Mussels, ocean.....	0	0	0	0	0	0	70	0	0	0	0	0	70
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>309</b>	<b>1145</b>	<b>1258</b>	<b>2545</b>	<b>2149</b>	<b>647</b>	<b>216</b>	<b>119</b>	<b>0</b>	<b>8418</b>

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	0	12	49	0	0	18	14	0	0	93
Cod, Pacific.....	0	0	0	0	10	184	0	0	0	10	0	0	204
Flounder, arrowtooth..	0	2646	0	65	675	1318	0	0	0	70	0	0	4774
Flounder, starry.....	0	0	0	0	50	72	0	0	0	0	0	0	122
Greenling sp.....	0	0	0	2	0	0	0	0	0	2	0	0	4
Halibut, Pacific.....	0	0	0	0	0	0	23841	0	0	0	0	0	23841
Lingcod.....	35	311	0	215	3183	1697	1928	737	815	1373	0	0	10294
Pacific Ocean perch...	0	4366	0	0	0	0	0	0	0	6	0	0	4372
Nominal POP.....	0	1945	0	20	19	106	0	0	0	2461	0	0	4551
Rockfish, black.....	0	0	0	668	2796	2659	1465	2035	728	1223	6	0	11580
Rockfish, canary.....	0	52	0	0	16	660	71	120	150	34	0	0	1103
Rockfish, widow.....	12819	18415	0	717	0	0	0	0	6	6344	0	0	38301
Rockfish, yellowtail..	0	3512	0	5152	3624	1576	22	198	656	13	0	0	14753
Rockfish, other sp....	902	2799	0	550	1957	1320	863	1848	541	2867	0	0	13647
Thornyhead, longspine	7227	11366	0	0	0	0	0	0	0	0	0	0	18593
Thornyhead, shortspine	1510	500	0	0	0	12	0	25	0	113	0	0	2160
Sablefish.....	3566	13648	0	25	213	511	891	586	276	67	0	0	19783
Salmon, chinook.....	0	0	0	61	1264	6850	0	3742	13921	8779	665	0	35282
Salmon, chum.....	0	0	0	0	0	0	0	0	0	16	0	0	16
Salmon, pink.....	0	0	0	0	14	27	0	0	0	0	0	0	41
Sanddab, Pacific.....	0	0	0	0	40	11	0	0	0	0	0	0	51
Skates and rays.....	0	3714	0	4027	18955	0	0	0	0	380	0	0	27076
Sole, Dover.....	0	35040	0	2661	7336	14172	171	0	82	189	0	0	59651
Sole, English.....	813	852	0	63	1032	675	0	0	0	59	0	0	3494
Sole, flathead.....	0	0	0	0	0	56	0	0	34	0	0	0	90
Sole, petrale.....	3657	8131	0	1627	4569	869	29	0	25	268	0	0	19175
Sole, rex.....	55	455	0	16	2538	42	0	0	0	7	0	0	3113
Sole, rock.....	0	0	0	0	152	128	0	0	0	0	0	0	280
Sole, sand.....	0	0	0	0	2155	1075	0	0	0	0	0	0	3230

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Surfperch sp.....	0	0	0	0	115	0	0	0	0	0	0	0	115
Tuna, albacore.....	0	0	0	0	0	0	59523	110953	86769	0	0	0	257245
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	3100	0	0	0	0	3100
CRUSTACEANS:													
Crab, box.....	0	913	0	0	0	0	0	0	0	0	0	0	913
Crab, Dungeness, ocean	55788	22710	11536	10654	6946	3497	1798	1555	0	0	0	171532	286016
Shrimp, pink.....	0	0	0	187124	316939	158760	67631	65433	147329	40649	0	0	983865
Shrimp, spot.....	0	0	2482	0	0	0	0	0	5196	2523	0	1257	11458
MOLLUSKS:													
Clams, butter.....	0	120	137	2684	1334	364	418	1080	1275	1050	710	3480	12652
Clams, cockle.....	8350	6700	4672	9521	1244	1613	999	1738	7960	1275	2305	1580	47957
Clams, gaper.....	0	0	0	0	0	0	639	0	385	0	402	2800	4226
Clams, littleneck.....	37	240	445	846	583	1005	748	525	220	30	35	55	4769
Octopus.....	0	0	0	0	83	0	0	0	0	0	0	0	83
TOTAL	94759	138435	19272	226698	377854	199308	161037	193675	266386	69822	4123	180704	1932073



TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CRUSTACEANS:</b>													
Shrimp, mud.....	4150	4927	2777	820	240	0	0	0	120	285	2875	3573	19767
<b>MOLLUSKS:</b>													
Clams, cockle.....	0	0	200	0	0	0	0	0	0	0	0	0	200
TOTAL	4150	4927	2977	820	240	0	0	0	120	285	2875	3573	19967

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	133	127	252	445	245	211	0	0	0	1413
Cod, Pacific.....	0	0	0	0	0	7	0	0	0	0	0	0	7
Halibut, Pacific.....	0	0	0	0	0	56	0	0	0	0	0	0	56
Lingcod.....	0	0	326	1628	3380	1657	3799	770	440	587	306	0	12893
Rockfish, black.....	0	0	496	1298	6529	7949	13219	20254	5693	137	81	0	55656
Rockfish, canary.....	0	0	0	16	96	27	6	0	0	6	0	0	151
Rockfish, yellowtail..	0	0	0	0	10	150	230	53	161	20	0	0	624
Rockfish, other sp....	0	0	0	25	611	874	276	53	0	0	0	0	1839
Salmon, chinook.....	0	0	0	0	286	136	0	146	243	262	0	0	1073
Tuna, albacore.....	0	0	0	0	0	0	0	2102	1533	0	0	0	3635
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	226	381	240	504	640	591	0	0	0	0	2582
Shrimp, ghost.....	0	0	0	0	0	0	780	1055	609	124	66	0	2634
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>1048</b>	<b>3481</b>	<b>11279</b>	<b>11612</b>	<b>19395</b>	<b>25269</b>	<b>8890</b>	<b>1136</b>	<b>453</b>	<b>0</b>	<b>82563</b>

TABLE 11A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SALMON RIVER, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	49	49	149	672	936	534	0	0	2389
TOTAL	0	0	0	0	49	49	149	672	936	534	0	0	2389

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	31	18	194	0	372	1297	1664	987	135	167	16	0	4881
Halibut, Pacific.....	0	0	0	0	70	0	890	0	0	0	0	0	960
Lingcod.....	35	612	1019	823	2177	674	1393	620	314	1027	923	0	9617
Rockfish, black.....	2	0	192	0	135	0	0	58	0	0	164	0	551
Rockfish, canary.....	0	0	0	32	0	0	0	0	0	0	0	0	32
Rockfish, other sp....	581	640	570	685	501	240	585	480	590	649	283	0	5804
Sablefish.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Salmon, chinook.....	0	0	0	35	663	0	0	2066	94	1045	0	0	3903
Tuna, albacore.....	0	0	0	0	0	0	0	0	657	0	0	0	657
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	17386	4321	1912	1644	2650	1412	2674	2831	0	0	0	19647	54477
<b>MOLLUSKS:</b>													
Octopus.....	0	0	0	0	70	0	0	0	0	0	0	38	108
<b>OTHER INVERTEBRATES:</b>													
Sea urchin, purple....	0	0	0	0	0	0	0	0	140	170	0	0	310
Sea urchin, red.....	0	0	0	0	0	100	11140	9716	4019	12759	1924	0	39658
<b>TOTAL</b>	<b>18035</b>	<b>5591</b>	<b>3887</b>	<b>3219</b>	<b>6638</b>	<b>3723</b>	<b>18349</b>	<b>16758</b>	<b>5949</b>	<b>15817</b>	<b>3310</b>	<b>19685</b>	<b>120961</b>

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabazon.....	0	18	9	5	134	36	26	0	0	13	0	0	241
Cod, Pacific.....	54	219	231	355	1678	1287	1051	1219	1709	283	113	1038	9237
Flounder, arrowtooth..	14803	15472	12073	40652	52557	72472	67907	40706	38136	5262	2719	2830	365589
Flounder, starry.....	0	7	0	26	208	980	553	475	1308	1996	1572	0	7125
Greenling sp.....	0	0	0	0	8	0	0	0	0	0	0	0	8
Grenadier.....	2383	1832	1766	1808	3666	1948	4271	3653	5729	1301	1308	439	30104
Halibut, Pacific.....	0	25	0	0	6743	20068	53242	107	0	12	0	0	80197
Herring, Pacific - roe	0	0	6168	0	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	0	110324	20	0	0	4	1966	3147	0	0	0	0	115461
Lingcod.....	47457	36626	66372	64491	106243	102566	80924	37628	48187	53950	47305	38812	730561
Louvar.....	0	0	0	0	0	0	0	0	0	119	0	0	119
Mackerel.....	1525	70	3744	0	20	124001	1952737	959256	26	0	0	0	3041379
Opah.....	0	0	0	0	0	0	0	0	27	120	0	0	147
Pomfret, Pacific.....	0	0	0	0	0	0	178	0	0	0	0	0	178
Ratfish.....	0	0	0	0	0	0	11	0	0	0	0	0	11
Pacific Ocean perch...	7761	12509	14169	15472	32470	17940	15727	13443	18688	17743	10909	9645	186476
Nominal POP.....	26967	37781	44489	58432	60046	40939	45921	48300	54578	38848	40484	41260	538045
Rockfish, black.....	0	62	10	0	964	190	227	0	19	27	30	114	1643
Rockfish, canary.....	4685	45466	40206	51174	75724	62383	23756	34116	47396	48559	28379	36987	498831
Rockfish, widow.....	332144	310790	222767	263977	294956	509395	347587	219257	270828	290567	339069	202000	3603337
Rockfish, yellowtail..	7551	24923	24476	38477	69280	55670	41158	41312	36195	40860	29953	90400	500255
Rockfish, other sp....	30019	30778	30141	35387	70794	52624	23665	74075	56693	35556	11314	30425	481471
Thornyhead, longspine	37659	64895	70765	63105	91438	47055	50513	42163	43447	56053	25007	29725	621825
Thornyhead, shortspine	16090	23419	17431	31642	25407	21643	14793	19383	26587	16445	9454	15578	237872
Sablefish.....	57590	75271	72868	100927	151637	132965	174187	437071	342260	181869	26910	50408	1803963
Salmon, chinook.....	0	0	0	57562	254199	327245	0	324736	232681	17607	0	0	1214030
Salmon, pink.....	0	0	0	48	12	14	0	17	0	0	0	0	91
Sanddab, Pacific.....	0	310	2457	1384	4404	14	4059	9705	8717	2276	2100	0	35426
Sardine, Pacific.....	0	0	0	0	0	0	37	48	0	0	0	0	85

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shad, American.....	0	242	444	0	0	21	900	795	0	0	0	0	2402
Shark, blue.....	0	0	0	0	0	15	0	87	0	0	0	0	102
Shark, shortfin mako..	0	0	0	0	0	0	0	0	47	832	0	0	879
Shark, soupfin.....	61	58	30	0	80	125	30	34	83	109	228	160	998
Shark, spiny dogfish..	249	0	0	0	0	0	813	3	0	0	0	0	1065
Shark, other sp.....	0	0	0	35	0	0	0	0	0	0	0	0	35
Skates and rays.....	48654	73801	96064	137128	33461	927	426	35928	140587	24845	47050	3497	642368
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	174	0	174
Sole, Dover.....	84090	120674	119422	229199	212276	168171	137978	135265	218936	23545	19485	30942	1499983
Sole, English.....	18922	14722	17478	27857	33176	13038	16594	28584	36608	12891	11273	2700	233843
Sole, petrale.....	52597	48089	29920	22404	16820	6373	19606	25851	26740	4018	15004	39659	307081
Sole, rex.....	6227	11101	7021	13208	20973	15811	12273	12447	11060	1818	897	1815	114651
Sole, rock.....	0	0	0	0	0	2365	46	26	490	0	0	0	2927
Sole, sand.....	0	40	0	160	1376	7081	6964	3981	14182	7573	5480	0	46837
Sturgeon, green.....	0	0	0	0	0	42	0	0	0	6147	4515	0	10704
Surfperch sp.....	0	4	10	246	125	52	18	9	0	0	0	0	464
Swordfish.....	0	0	0	0	0	0	0	0	3927	7540	0	0	11467
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	863	0	0	863
Tuna, albacore.....	0	0	0	0	0	27468	700699	2047360	1007325	143909	7859	0	3934620
Whiting, Pac. (hake)..	0	0	1244	0	10079	15647682	37785215	26590133	4202	2688	0	0	80041243
Wolf-eel.....	0	0	18	0	59	16	40	100	111	21	16	0	381
Wrymouth, giant.....	0	137	0	0	0	0	0	0	10	0	0	0	147
CRUSTACEANS:													
Crab, box.....	117	28854	9790	7644	0	0	0	0	0	4689	7614	0	58708
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	23	0	0	0	23
Crab, Dungeness, ocean	352477	91062	36030	33356	24232	15880	22469	15774	0	0	0	1394652	1985932
Crab, rock.....	0	407	333	32	312	146	68	266	60	0	20	18	1662
Shrimp, ghost.....	3	13	0	0	0	0	0	0	0	0	0	0	16
Shrimp, mud.....	219	436	235	259	296	201	0	0	0	0	0	147	1793

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, pink.....	0	0	0	535386	1822848	827286	192035	312730	881978	134994	0	0	4707257
MOLLUSKS:													
Mussels, ocean.....	0	0	112	0	0	0	147	397	0	0	0	0	656
Octopus.....	388	346	399	445	976	975	734	868	1152	156	58	196	6693
Scallops, weathervane	0	0	3843	0	0	0	0	0	0	0	0	0	3843
Snails & chitons.....	40	0	0	12	332	285	0	0	0	0	0	0	669
Squid.....	0	0	0	0	0	92	172	46	4192	1858	2428	534	9322
OTHER INVERTEBRATES:													
Sea stars.....	82	43	194	236	197	130	122	87	143	0	196	115	1545
Sea urchin, red.....	0	0	0	0	0	0	1605	0	0	0	0	0	1605
TOTAL	1150814	1180826	952749	1832531	3480206	18325621	41803450	31520588	3585067	1187962	698923	2024096	107742833



TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPOR, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CRUSTACEANS:</b>													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	45	451	0	496
Crab, Dungeness, ocean	0	0	0	0	57	33	234	365	0	0	0	0	689
Shrimp, ghost.....	1785	1614	1919	2622	4621	3725	2336	1069	1157	1725	1136	440	24149
<b>TOTAL</b>	<b>1785</b>	<b>1614</b>	<b>1919</b>	<b>2622</b>	<b>4678</b>	<b>3758</b>	<b>2570</b>	<b>1434</b>	<b>1157</b>	<b>1770</b>	<b>1587</b>	<b>440</b>	<b>25334</b>

TABLE 15A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT YACHATS, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Mussels, ocean.....	0	0	0	0	32	23	0	16	0	0	0	0	71
TOTAL	0	0	0	0	32	23	0	16	0	0	0	0	71

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	0	11	0	0	0	0	0	0	0	11
Flounder, arrowtooth..	0	0	3	0	93	0	0	0	0	0	0	0	96
Flounder, starry.....	0	0	0	28	873	968	3216	828	31	0	0	0	5944
Halibut, California...	0	0	0	0	70	0	8	0	0	0	0	0	78
Halibut, Pacific.....	0	0	0	0	811	1742	5226	0	0	0	0	0	7779
Lingcod.....	0	0	1	301	1319	773	120	221	607	4212	0	0	7554
Nominal POP.....	0	0	66	369	274	0	0	0	0	0	0	0	709
Rockfish, black.....	0	0	0	23	0	0	0	0	0	0	0	0	23
Rockfish, canary.....	0	0	0	164	239	575	184	223	82	73	2	0	1542
Rockfish, yellowtail..	0	0	0	926	3164	2038	94	2776	345	114	21	0	9478
Rockfish, other sp....	0	0	0	225	811	545	270	312	334	156	0	0	2653
Thornyhead, longspine	0	0	0	0	0	0	0	0	519	0	0	0	519
Thornyhead, shortspine	0	0	0	3	0	0	0	1032	0	0	0	0	1035
Sablefish.....	0	0	1	0	18	0	290	24557	5380	24572	0	0	54818
Salmon, chinook.....	0	0	0	1803	13982	32749	0	44297	7622	72	0	0	100525
Sanddab, Pacific.....	0	9805	2060	18477	13275	21525	20744	928	11369	11731	7405	0	117319
Skates and rays.....	0	0	0	823	273	92	911	158	0	0	0	0	2257
Sole, butter.....	0	0	0	0	0	0	177	136	0	0	0	0	313
Sole, curlfin (turbot)	0	0	0	0	45	80	755	17	0	0	0	0	897
Sole, Dover.....	0	40	0	442	816	626	293	11617	9781	125	90	0	23830
Sole, English.....	0	961	1189	1451	933	1330	2327	1070	1039	383	97	0	10780
Sole, petrale.....	0	685	1000	2262	2043	454	292	325	793	335	191	0	8380
Sole, rex.....	0	124	118	48	242	506	288	397	145	59	60	0	1987
Sole, rock.....	0	0	0	0	143	990	2279	72	0	0	0	0	3484
Sole, sand.....	0	0	0	51	3347	8470	14242	1371	71	29	0	0	27581
Sturgeon, green.....	0	0	0	0	0	609	15	0	0	0	0	0	624
Sturgeon, white.....	0	0	0	0	62	50	114	23	0	0	0	0	249
Tuna, albacore.....	0	0	0	0	0	0	1710	5184	22747	0	0	0	29641
Wolf-eel.....	0	0	0	0	0	0	20	0	0	0	0	0	20

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CRUSTACEANS:</b>													
Crab, box.....	0	789	322	0	0	0	0	0	0	0	0	0	1111
Crab, Dungeness, ocean	21954	7827	4624	6321	6803	12369	46872	49296	0	0	0	31312	187378
Shrimp, ghost.....	0	694	171	289	186	125	137	72	64	56	48	106	1948
Shrimp, pink.....	0	0	0	2500	0	0	0	0	0	0	0	0	2500
<b>MOLLUSKS:</b>													
Mussels, ocean.....	0	0	415	0	0	330	25	0	0	0	0	0	770
Octopus.....	0	0	0	0	11	82	197	0	0	0	0	0	290
<b>TOTAL</b>	<b>21954</b>	<b>20925</b>	<b>9970</b>	<b>36506</b>	<b>49844</b>	<b>87028</b>	<b>100806</b>	<b>144912</b>	<b>60929</b>	<b>41917</b>	<b>7914</b>	<b>31418</b>	<b>614123</b>

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Halibut, Pacific.....	0	0	0	0	20	79	11506	0	0	0	0	0	11605
Herring, Pacific.....	0	0	0	0	0	525	900	600	0	0	0	0	2025
Lingcod.....	0	637	352	0	215	468	32	0	109	29	0	125	1967
Nominal POP.....	0	0	0	0	0	0	0	0	438	0	0	0	438
Rockfish, canary.....	0	190	140	0	0	24	4	19	103	0	0	0	480
Rockfish, widow.....	0	8	0	0	0	0	0	0	3	0	0	0	11
Rockfish, yellowtail..	0	133	0	0	0	534	0	75	74	109	0	0	925
Rockfish, other sp....	0	78	92	0	162	295	267	447	808	45	0	37	2231
Sablefish.....	0	0	0	0	0	0	1206	31807	26702	16997	0	283	76995
Salmon, chinook.....	0	0	0	274	8708	9228	0	2451	7889	1348	0	0	29898
Salmon, pink.....	0	0	0	0	0	5	0	0	0	0	0	0	5
Shad, American.....	0	0	0	0	0	132	0	0	0	0	0	0	132
Shark, other sp.....	0	0	0	0	0	0	0	0	17	0	0	0	17
Skates and rays.....	0	0	0	0	0	0	0	0	0	86	0	0	86
Smelt, other sp.....	0	0	0	0	0	0	0	100	0	0	0	0	100
Sole, Dover.....	0	0	0	0	0	0	0	5	0	0	0	0	5
Sole, petrale.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Tuna, albacore.....	0	0	0	0	0	165	36173	35808	9540	0	0	0	81686
Wolf-eel.....	0	0	0	0	0	0	10	0	0	0	0	0	10
<b>CRUSTACEANS:</b>													
Crab, box.....	0	0	329	0	0	0	0	0	0	100	0	0	429
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	135	252	222	21	630
Crab, Dungeness, ocean	119402	30721	14603	12423	8639	1116	33471	16060	0	0	0	99813	336248
Shrimp, ghost.....	0	25	10	0	0	0	14	0	0	0	0	0	49
<b>MOLLUSKS:</b>													
Clams, softshell.....	0	0	0	30	10	61	67	0	0	53	146	0	367
Mussels, ocean.....	0	0	0	0	0	0	8	0	10	12	7	0	37
<b>TOTAL</b>	<b>119402</b>	<b>31792</b>	<b>15526</b>	<b>12727</b>	<b>17754</b>	<b>12632</b>	<b>83658</b>	<b>87372</b>	<b>45831</b>	<b>19031</b>	<b>375</b>	<b>100279</b>	<b>546379</b>

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	10	5	0	0	27	44	10	117	24	0	0	27	264
Cod, Pacific.....	0	0	0	0	0	152	4	215	6	0	0	0	377
Dolphinfish.....	0	0	0	105	0	0	0	0	0	0	0	0	105
Flounder, arrowtooth..	28104	20795	13666	21268	39721	64979	42338	27392	31216	3650	3946	14153	311228
Flounder, starry.....	0	0	0	229	1953	2961	8580	4889	699	1444	0	0	20755
Greenling sp.....	8	0	0	0	0	2	10	0	0	0	0	0	20
Grenadier.....	22901	25885	33245	39574	61098	53175	55184	56012	59198	29784	37991	45619	519666
Halibut, California...	0	0	0	0	0	0	9	85	0	0	0	0	94
Halibut, Pacific.....	0	0	0	0	416	572	27856	0	9	0	0	0	28853
Lingcod.....	15573	13248	11203	13958	42657	41324	45424	31057	25527	14192	11841	18936	284940
Mackerel.....	840	2546	4	15	0	726	1516	1659	0	1671	787	1260	11024
Pacific Ocean perch...	83	0	0	0	0	4972	2846	7038	0	0	401	6927	22267
Nominal POP.....	62128	39092	59664	39415	56998	57030	46200	51982	29447	43089	60137	138156	683338
Rockfish, black.....	609	178	19	195	363	12	112	350	91	3334	2	16	5281
Rockfish, canary.....	16813	15082	17389	32556	82676	70549	44331	28419	21492	11702	6689	16739	364437
Rockfish, widow.....	252849	262994	239151	155472	138236	253914	186855	144417	74901	46511	142199	187017	2084516
Rockfish, yellowtail..	24956	17387	30137	34442	53589	33805	37212	22717	17899	22249	26149	82956	403498
Rockfish, other sp....	74127	52274	35877	31352	61686	74927	51811	49816	27234	12580	38093	141863	651640
Thornyhead, longspine	172257	139922	184321	142438	142053	117224	99653	112462	86637	41803	99425	157592	1495787
Thornyhead, shortspine	37901	33285	35303	37728	33248	30877	27004	28525	20563	15472	18272	37779	355957
Sablefish.....	99208	98510	127817	129935	161061	173296	139671	284654	231983	83464	55727	69588	1654914
Salmon, chinook.....	0	0	0	31214	75011	75843	0	92321	19622	2355	0	0	296366
Salmon, pink.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Sanddab, Pacific.....	14898	26366	40380	122469	4520	5534	1161	2190	1381	59408	32262	0	310569
Shad, American.....	0	0	0	97	0	50	0	0	0	0	0	0	147
Shark, blue.....	0	0	0	0	0	199	122	42	0	0	43	0	406
Shark, soupfin.....	75	108	31	0	57	0	11	32	159	58	295	55	881
Shark, spiny dogfish..	0	11	296	0	0	0	0	0	0	0	214	506	1027
Shark, other sp.....	0	0	0	19	0	73	0	0	0	0	0	0	92

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Skates and rays.....	58563	35154	25618	60666	39490	44089	37170	35421	52341	22498	17467	65302	493779
Sole, butter.....	0	0	0	0	451	632	176	963	1811	488	0	0	4521
Sole, curlfin (turbot)	53	0	0	279	2724	597	334	368	117	0	0	0	4472
Sole, Dover.....	344352	294444	445356	322572	266386	285110	233754	283557	247705	18519	29989	59938	2831682
Sole, English.....	15856	15584	24568	46016	50734	47607	46765	47675	29023	29650	9164	31045	393687
Sole, petrale.....	284560	59597	25918	24743	22525	15695	15979	16348	21902	22627	18766	238948	767608
Sole, rex.....	33682	26399	13341	18245	23046	28820	23563	18678	14999	3926	6605	23079	234383
Sole, rock.....	0	0	0	0	2121	8516	5346	3492	1198	148	0	0	20821
Sole, sand.....	2	0	0	2366	7751	14843	22278	20931	4548	3925	0	0	76644
Sturgeon, green.....	0	0	0	113	774	414	196	363	0	20	0	0	1880
Sturgeon, white.....	0	0	0	0	44	0	0	0	0	0	0	0	44
Surfperch sp.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Tuna, skipjack.....	0	0	0	361	0	0	0	0	0	0	0	0	361
Tuna, albacore.....	0	0	0	104	0	0	19572	260894	316308	42289	1706	0	640873
Tuna, yellowfin.....	0	0	0	493	0	0	0	0	0	0	0	0	493
Wahoo.....	0	0	0	216	0	0	0	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	0	0	6066	916	97882	0	118856	0	0	0	5208	228928
Wolf-eel.....	4	0	41	264	837	216	232	346	9	0	0	0	1949
Wrymouth, giant.....	0	0	0	0	15	44	12	0	14	0	0	0	85
CRUSTACEANS:													
Crab, box.....	0	0	0	0	4	0	0	0	0	0	0	0	4
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	16	310	132	18	476
Crab, Dungeness, ocean	131844	40045	22533	18230	11103	6448	18798	37950	0	0	0	477314	764265
Crab, Tanner.....	0	0	437	0	95	13	0	70	0	541	0	0	1156
Shrimp, ghost.....	0	0	29	87	1253	1667	1260	699	648	802	392	207	7044
Shrimp, mud.....	0	0	3	6	0	0	0	0	0	0	20	80	109
Shrimp, pink.....	0	0	0	437458	2215936	539525	258819	445367	910802	467795	0	0	5275702
Shrimp, spot.....	31	0	0	284	25	0	9	0	786	0	0	4165	5300

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Clams, butter.....	0	0	0	0	80	310	0	18	0	0	0	0	408
Clams, cockle.....	0	0	53	0	0	0	0	0	0	0	0	0	53
Clams, gaper.....	0	0	0	0	10	0	0	30	0	0	0	0	40
Clams, softshell.....	0	0	97	70	0	0	0	0	0	0	0	0	167
Octopus.....	431	428	470	1020	2562	1480	1161	1209	1415	930	288	956	12350
Squid.....	0	0	0	0	55675	137766	1924	5265	0	1097	3568	48109	253404
<b>OTHER INVERTEBRATES:</b>													
TOTAL	1692718	1219339	1386967	1772140	3659927	2293930	1505268	2244891	2251730	1008331	622570	1873558	21531369



TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Halibut, Pacific.....	0	0	0	0	133	0	0	0	0	0	0	0	133
Lingcod.....	0	0	0	0	0	135	280	7	15	96	0	0	533
Rockfish, black.....	0	0	0	0	0	0	406	0	0	0	0	0	406
Rockfish, canary.....	0	0	0	0	0	0	7	0	0	0	0	0	7
Rockfish, yellowtail..	0	0	0	0	0	0	6	61	0	0	0	0	67
Rockfish, other sp....	0	0	0	0	275	213	299	0	16	187	0	0	990
Salmon, chinook.....	0	0	0	391	2994	2043	0	3768	1824	0	0	0	11020
Tuna, albacore.....	0	0	0	0	0	0	0	4878	2153	0	0	0	7031
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	0	0	0	252	262	0	0	0	0	0	514
<b>MOLLUSKS:</b>													
Clams, softshell.....	0	0	0	30	0	40	35	100	0	0	0	0	205
Mussels, ocean.....	0	0	0	165	0	0	0	150	0	0	0	0	315
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>586</b>	<b>3402</b>	<b>2683</b>	<b>1295</b>	<b>8964</b>	<b>4008</b>	<b>283</b>	<b>0</b>	<b>0</b>	<b>21221</b>

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	4685	1843	2276	2061	4179	4476	1620	2908	4270	3047	997	1787	34149
Flounder, arrowtooth..	0	0	0	3	28	27	48	7	8	0	0	0	121
Greenling sp.....	311	170	357	715	3167	6492	2074	2611	3048	1963	567	505	21980
Grenadier.....	0	0	0	0	0	0	0	0	8	0	3	0	11
Halibut, Pacific.....	0	0	0	0	223	0	13319	0	0	0	0	0	13542
Lingcod.....	9169	7787	12631	8643	11224	10925	5424	9697	13559	5820	3916	10281	109076
Lord, red Irish.....	0	0	0	0	6	26	4	9	7	7	0	2	61
Mackerel.....	0	0	0	0	0	0	0	0	0	0	72	0	72
Pacific Ocean perch...	0	64	27	110	8	215	0	16	0	0	0	0	440
Nominal POP.....	139	274	296	553	1754	3217	2979	4892	2238	838	71	155	17406
Rockfish, black.....	6330	4968	6028	17561	36265	37175	18567	30565	31313	12146	3560	4100	208578
Rockfish, canary.....	2212	6607	11463	5540	10576	23004	15993	14676	11282	1123	605	5553	108634
Rockfish, widow.....	0	21	64	6	585	29	99	0	16	0	0	74	894
Rockfish, yellowtail..	1230	4519	7339	4696	6332	12229	7107	7657	2332	1028	136	2729	57334
Rockfish, other sp....	8550	7182	9491	6501	11544	22013	10739	16632	15556	4747	2064	4508	119527
Sablefish.....	6080	5045	4729	20781	46560	54399	7496	266202	117150	104098	7341	6265	646146
Salmon, chinook.....	0	0	0	393	7011	0	0	74	100	10992	11266	0	29836
Sculpin, buffalo.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Shark, blue.....	0	0	0	0	0	25	83	18	0	0	0	0	126
Shark, soupfin.....	22	67	0	0	0	0	55	23	60	0	49	0	276
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	328	221	77	626
Skates and rays.....	0	0	0	37	29	0	0	500	0	0	0	0	566
Sole, Dover.....	0	0	0	0	62	101	23	66	15	23	17	9	316
Sole, rex.....	0	3	0	0	0	0	0	0	0	0	0	0	3
Sole, rock.....	0	0	0	0	0	0	2	0	13	0	0	0	15
Tuna, albacore.....	0	0	0	0	0	80	3189	38560	25773	0	0	0	67602
Wolf-eel.....	0	9	23	56	141	192	159	148	76	0	0	0	804

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	65771	23492	14429	9577	5254	2658	882	1567	0	0	0	167838	291468
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	5811	0	0	5811
<b>MOLLUSKS:</b>													
Octopus.....	2197	1064	1228	1987	844	507	873	412	256	0	0	485	9853
<b>OTHER INVERTEBRATES:</b>													
Sea cucumber.....	0	0	0	2284	2501	1045	1438	0	0	0	0	0	7268
Sea urchin, red.....	78866	22302	45074	16757	546	0	1624	0	19438	16627	51707	48847	301788
<b>TOTAL</b>	<b>185562</b>	<b>85417</b>	<b>115455</b>	<b>98264</b>	<b>148839</b>	<b>178835</b>	<b>93797</b>	<b>397240</b>	<b>246518</b>	<b>168598</b>	<b>82592</b>	<b>253215</b>	<b>2054332</b>

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabazon.....	0	0	0	0	0	131	425	114	309	96	15	0	1090
Greenling sp.....	0	0	0	0	0	233	441	71	122	0	0	0	867
Lingcod.....	0	0	151	411	444	497	1114	156	98	92	13	0	2976
Lord, red Irish.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Rockfish, black.....	0	0	0	36	47	31	2945	1064	41	817	23	0	5004
Rockfish, canary.....	0	0	0	0	0	1	16	0	20	0	0	0	37
Rockfish, yellowtail..	0	0	0	0	0	1	0	0	0	0	0	0	1
Rockfish, other sp....	0	0	249	1342	8528	7273	2954	1259	846	485	35	0	22971
Sablefish.....	0	0	0	0	16	235	0	0	1471	0	0	0	1722
Salmon, chinook.....	0	0	0	0	317	0	0	580	0	0	0	0	897
Surfperch sp.....	0	0	10	0	0	0	0	0	0	0	0	0	10
Tuna, albacore.....	0	0	0	0	0	0	0	6950	0	0	0	0	6950
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	0	240	0	0	2450	9566	0	0	0	0	12256
<b>OTHER INVERTEBRATES:</b>													
Sea urchin, red.....	9326	0	3384	8819	17403	3605	9069	18927	15105	20393	2660	0	108691
<b>TOTAL</b>	<b>9326</b>	<b>0</b>	<b>3794</b>	<b>10848</b>	<b>26755</b>	<b>12007</b>	<b>19417</b>	<b>38687</b>	<b>18012</b>	<b>21883</b>	<b>2746</b>	<b>0</b>	<b>163475</b>

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	9	24	75	17	128	1157	258	791	989	39	389	3876
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	26	26
Flounder, arrowtooth..	1279	959	2090	4350	3843	8895	6304	5864	4431	210	349	182	38756
Flounder, starry.....	0	0	0	0	0	0	2	3	0	17	0	0	22
Greenling sp.....	0	12	49	14	19	45	228	42	0	17	0	0	426
Grenadier.....	3940	9037	6262	587	1184	1672	2288	908	2037	1585	844	1778	32122
Halibut, California...	0	0	0	0	0	0	159	191	0	0	0	0	350
Halibut, Pacific.....	0	0	0	0	22	0	1297	0	0	0	0	0	1319
Lingcod.....	4289	4408	2241	3716	13606	8460	13775	27370	18086	17271	9856	7591	130669
Nominal POP.....	4311	3956	3224	8978	17253	19236	10878	17793	18168	17339	11075	21636	153847
Rockfish, black.....	73	561	750	3669	14022	4491	9820	5441	3736	1102	455	394	44514
Rockfish, canary.....	2928	5612	9196	8603	7939	6581	4947	6459	8431	3473	1128	1425	66722
Rockfish, widow.....	91970	75539	132276	107113	25105	39183	2866	44916	35779	36430	5304	4799	601280
Rockfish, yellowtail..	8193	6138	16724	11144	8774	3981	6276	8669	4643	3396	5092	7013	90043
Rockfish, other sp....	3702	8914	8981	6919	8307	9385	8152	7087	11991	9222	2463	5147	90270
Thornyhead, longspine	52104	54745	84060	61569	38201	29472	20138	19465	24139	38089	32045	13110	467137
Thornyhead, shortspine	12632	9943	15099	14402	11164	10136	7411	7859	8107	8021	8914	4016	117704
Sablefish.....	29726	36578	57556	49755	53114	47005	26406	50838	43060	31058	18225	6181	449502
Salmon, chinook.....	0	0	0	1542	28969	722	2002	2792	44	16488	0	0	52559
Sanddab, Pacific.....	10	48	1	391	5562	3178	1038	433	937	1995	196	142	13931
Shark, blue.....	0	0	0	0	0	0	0	19	0	0	0	0	19
Shark, soupfin.....	22	27	0	0	149	20	141	23	0	91	87	0	560
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	4	0	0	4
Skates and rays.....	4491	4406	3687	11729	11540	8872	19577	25728	13081	9378	7655	7887	128031
Sole, butter.....	0	0	0	0	25	0	0	0	0	0	0	0	25
Sole, curlfin (turbot)	0	0	0	0	19	0	12	0	0	30	0	0	61
Sole, Dover.....	108941	79882	118295	92040	58097	58111	62870	91741	67906	14608	8923	7378	768792
Sole, English.....	540	509	950	1062	3368	3747	334	2670	1578	9802	1109	2463	28132
Sole, petrale.....	12219	12706	2260	13157	16535	9463	26749	11114	16946	9776	14711	20368	166004

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rex.....	8885	10903	6772	12036	5190	5586	2902	2976	4157	1532	1051	3128	65118
Sole, rock.....	0	0	0	0	5	0	0	3	0	4	0	0	12
Sole, sand.....	0	0	0	0	0	0	0	2	0	13	0	46	61
Surfperch sp.....	0	0	57	1313	179	0	2	0	0	0	0	0	1551
Tuna, albacore.....	0	0	0	0	0	0	3246	58611	103312	1009	4822	0	171000
Wolf-eel.....	0	0	0	0	0	12	33	0	5	0	0	0	50
CRUSTACEANS:													
Crab, Dungeness, ocean	110357	19095	9818	7963	5748	4412	4022	2360	0	0	19	906100	1069894
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	496	123	619
Shrimp, pink.....	0	0	0	712323	1264715	1039954	498638	1062496	659052	168788	0	0	5405966
Shrimp, spot.....	0	0	0	0	520	0	251	668	0	0	0	500	1939
MOLLUSKS:													
Octopus.....	858	272	347	413	326	796	779	794	726	418	132	378	6239
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	7481	4019	5077	10716	0	7680	3372	0	0	0	0	38345
TOTAL	461470	351740	484738	1139940	1614233	1323543	752380	1468965	1051143	402155	134990	1022200	10207497

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997.

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
FISH:										
Cabezon.....	11	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	3	0	0	0	0	0	0	0	0	0
Dolphinfish.....	180	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	2	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	18	0	0	0	0	0
Greenling sp.....	0	0	0	0	0	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0
Halibut, California...	0	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	19477	0	0	0	0	0	0	0	0	0
Herring, Pacific - roe	0	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	19459	0	0	0	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	0	0
Mackerel.....	39	0	0	0	0	0	0	0	0	0
Marlin, striped.....	98	0	0	0	0	0	0	0	0	0
Opah.....	27	0	0	0	0	0	0	0	0	0
Pomfret, Pacific.....	0	0	0	0	0	0	0	0	0	0
Ragfish.....	0	0	0	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0
Nominal POP.....	91	0	0	0	0	0	0	0	0	0
Rockfish, black.....	1395	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	10714	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	483	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	63200	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Rockfish, other sp....	22612	0	0	0	0	0	0	0	0	0
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0
Sablefish.....	800	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	1779056	0	0	0	169341	135139	0	62	0	0
Salmon, chum.....	16	0	0	0	234	0	0	0	0	0
Salmon, coho.....	0	0	0	0	149423	1301	0	0	0	0
Salmon, pink.....	145	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	54	78	67806	0	0	7798	0	0
Shark, blue.....	0	0	0	0	0	0	0	0	0	0
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	26593	0	0	0	0	466
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0
Sole, rex.....	0	0	0	0	0	0	0	0	0	0



TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Sole, rock.....	0	0	0	0	0	0	0	0	0	0
Sole, sand.....	0	0	0	0	0	0	0	0	0	0
Steelhead.....	0	0	0	0	0	9719	0	112	0	0
Sturgeon, green.....	0	0	0	0	31389	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	264235	18211	21521	0	0	0
Sturgeon, white - roe	0	0	0	0	0	6	0	0	0	0
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	0	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0
Tuna, skipjack.....	461	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	9167738	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	546	0	0	0	0	0	0	0	0	0
Wahoo.....	216	0	0	0	0	0	0	0	0	0
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	7	0	0	0	0	0	0	0	0	0
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocean	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
<b>MOLLUSKS:</b>										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
<b>OTHER INVERTEBRATES:</b>										
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>11086776</b>	<b>0</b>	<b>54</b>	<b>78</b>	<b>709039</b>	<b>164376</b>	<b>21521</b>	<b>7972</b>	<b>0</b>	<b>466</b>

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
<b>FISH:</b>										
Cabezon.....	0	21483	0	23954	368	0	0	0	0	0
Cod, Pacific.....	0	8	0	7	113713	75	1838	0	0	0
Dolphinfish.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth.	398	489	0	4	2556589	423	3689	0	0	0
Flounder, starry.....	0	0	0	9	118442	0	3	0	0	0
Greenling sp.....	0	1896	0	21409	0	0	0	0	0	0
Grenadier.....	0	22	0	134	665133	0	0	0	0	0
Hagfish sp.....	24172	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	350	172	0	0	0	0	0
Halibut, Pacific.....	0	356006	0	1084	25	0	0	0	0	0
Herring, Pacific - ro	0	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	317	0	67486	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	954	91105	0	179385	1356415	1539	39968	0	0	0
Lord, red Irish.....	0	4	0	60	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	149	0
Mackerel.....	0	152	0	10	14061	4359548	252	0	0	0
Marlin, striped.....	0	0	0	0	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	120	0
Pomfret, Pacific.....	0	0	0	0	0	178	0	0	0	0
Ragfish.....	0	0	0	0	37	0	0	0	0	0
Ratfish.....	0	0	0	0	0	11	0	0	0	0
Pacific Ocean perch..	9	817	0	21	865937	13742	1292	0	0	0
Nominal POP.....	2646	21892	0	2789	1703988	43973	7455	0	0	0
Rockfish, black.....	3	36975	0	322284	37560	185	0	0	0	0
Rockfish, canary.....	79	166412	0	284258	1057178	6589	16698	0	0	0
Rockfish, widow.....	22	3440	0	30395	5994366	5074245	6096	0	0	0
Rockfish, yellowtail.	162	87462	0	141637	1840761	499709	152177	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Rockfish, other sp...	9678	231703	0	147912	1678407	32659	37125	0	0	0
Thornyhead, longspine	2	325	0	0	4008931	2051	0	0	0	0
Thornyhead, shortspin	468	5017	0	25	1113049	80	241	0	0	0
Sablefish.....	810071	1647281	0	9165	3948816	88064	38761	0	0	0
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	1	0	11	527301	1016	3580	0	0	0
Sardine, Pacific.....	0	0	0	0	0	94	0	0	0	0
Sculpin, buffalo.....	0	3	0	0	0	0	0	0	0	0
Shad, American.....	0	0	0	0	4727	68586	50	0	0	0
Shark, blue.....	42	542	0	98	0	279	0	0	0	0
Shark, shortfin mako.	0	0	0	0	0	0	0	0	879	0
Shark, sixgill.....	0	0	0	0	300	0	0	0	0	0
Shark, soupfin.....	0	354	0	126	2821	97	383	0	0	0
Shark, spiny dogfish.	0	630	0	249	7880	5758	0	0	0	0
Shark, thresher.....	0	0	0	0	193	0	0	0	0	0
Shark, other sp.....	90	35	0	0	19	10	0	0	0	0
Skates and rays.....	0	9355	0	1831	1911480	2193	9601	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	0	0	0	15	0	0	0
Sole, butter.....	0	0	0	0	5811	0	0	0	0	0
Sole, curlfin (turbot	0	0	0	0	5721	0	60	0	0	0
Sole, Dover.....	1233	658	0	3	8683296	90	57176	0	0	0
Sole, English.....	0	0	0	0	1204459	327	9768	0	0	0
Sole, flathead.....	0	0	0	0	5499	0	506	0	0	0
Sole, petrale.....	15	144	0	11	1770699	133	5712	0	0	0
Sole, rex.....	0	3	0	0	678747	702	2630	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sole, rock.....	0	28	0	0	28712	0	0	0	0	0
Sole, sand.....	0	3	0	1	191294	2	5	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	14380	0	49	0	0	0
Sturgeon, white.....	0	0	0	0	7863	0	0	0	0	0
Sturgeon, white - roe	0	0	0	0	0	0	0	0	0	0
Surfperch sp.....	0	0	0	2025	123	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	12729	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	1247	0
Tuna, skipjack.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0
Wahoo.....	0	0	0	0	0	0	0	0	0	0
Whiting, Pac. (hake).	9	0	0	0	186663	162594769	70	0	0	0
Wolf-eel.....	41	636	0	76	1608	0	31	0	0	0
Wrymouth, giant.....	86	12	0	0	930	0	275	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	4	0	0	0	0	0
Crab, Dungeness, bay.	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocea	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	83	0	0	0	532	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe...	0	0	0	0	0	0	0	0	0	619
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	19559785	0	0	0
Shrimp, spot.....	0	0	0	0	65	0	81600	0	0	4845

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
<b>MOLLUSKS:</b>										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	906	3235	0	505	20850	39	3265	0	0	0
Scallops, weathervane	0	0	0	0	5930	0	0	0	0	0
Snails & chitons.....	10	0	0	0	40	0	0	0	0	0
Squid.....	15	12	0	288	61338	10696	191	198706	0	0
<b>OTHER INVERTEBRATES:</b>										
Sea cucumber.....	0	0	0	2	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple...	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>851194</b>	<b>2688140</b>	<b>0</b>	<b>1170435</b>	<b>42403233</b>	<b>172875348</b>	<b>20040347</b>	<b>198706</b>	<b>15124</b>	<b>5464</b>

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:											
Cabezon.....	363	0	0	0	0	0	0	0	0	0	46179
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	115644
Dolphinfish.....	0	0	0	0	0	0	0	0	0	0	180
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	2561594
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0	118472
Greenling sp.....	0	0	0	0	0	0	0	0	0	0	23305
Grenadier.....	0	0	0	0	0	0	0	0	0	0	665289
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	24172
Halibut, California...	0	0	0	0	0	0	0	0	0	0	522
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	376592
Herring, Pacific - roe	0	0	0	0	6168	0	0	0	0	0	6168
Herring, Pacific.....	0	0	0	0	0	0	0	112052	0	0	179855
Lamprey, Pacific.....	0	0	0	0	34242	0	0	0	0	0	34242
Lingcod.....	407	0	0	0	0	0	0	0	0	0	1689232
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	64
Louvar.....	0	0	0	0	0	0	0	0	0	0	149
Mackerel.....	0	0	0	0	0	0	0	0	0	0	4374062
Marlin, striped.....	0	0	0	0	0	0	0	0	0	0	98
Opah.....	0	0	0	0	0	0	0	0	0	0	147
Pomfret, Pacific.....	0	0	0	0	0	0	0	0	0	0	178
Ragfish.....	0	0	0	0	0	0	0	0	0	0	37
Ratfish.....	0	0	0	0	0	0	0	0	0	0	11
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	881818
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	1782834
Rockfish, black.....	228	0	0	0	0	0	0	0	0	0	398630
Rockfish, canary.....	0	0	0	0	0	0	0	0	0	0	1541928
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	11109047
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	2785108

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Rockfish, other sp....	74	0	0	0	0	0	0	0	0	2160170
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	4011309
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	1118880
Sablefish.....	0	0	0	0	0	0	0	0	0	6542958
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	2083598
Salmon, chum.....	0	0	0	0	0	0	0	0	0	250
Salmon, coho.....	0	0	0	0	0	0	0	0	0	150724
Salmon, pink.....	0	0	0	0	0	0	0	0	0	145
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	531909
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	94
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	3
Shad, American.....	0	0	0	0	0	0	0	0	0	149099
Shark, blue.....	0	0	0	0	0	0	0	0	0	961
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	879
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	300
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	3781
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	14517
Shark, thresher.....	0	0	0	0	0	0	0	0	0	193
Shark, other sp.....	0	0	0	0	0	0	0	0	0	154
Skates and rays.....	3	0	0	0	0	0	0	0	0	1934463
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	27059
Smelt, other sp.....	0	0	0	0	0	0	0	100	0	115
Sole, butter.....	0	0	0	0	0	0	0	0	0	5811
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	5781
Sole, Dover.....	0	0	0	0	0	0	0	0	0	8742456
Sole, English.....	0	0	0	0	0	0	0	0	0	1214554
Sole, flathead.....	0	0	0	0	0	0	0	0	0	6005
Sole, petrale.....	0	0	0	0	0	0	0	0	0	1776714
Sole, rex.....	0	0	0	0	0	0	0	0	0	682082



TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Sole, rock.....	0	0	0	0	0	0	0	0	0	28740
Sole, sand.....	0	0	0	0	0	0	0	0	0	191305
Steelhead.....	0	0	0	0	0	0	0	0	0	9831
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	45818
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	311830
Sturgeon, white - roe	0	0	0	0	0	0	0	0	0	6
Surfperch sp.....	0	0	0	0	0	0	0	0	0	2148
Swordfish.....	0	0	0	0	0	0	0	0	0	12729
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	1247
Tuna, skipjack.....	0	0	0	0	0	0	0	0	0	461
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	9167738
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	546
Wahoo.....	0	0	0	0	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	162781511
Wolf-eel.....	1203	0	0	0	0	0	0	0	0	3602
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	1303
CRUSTACEANS:										
Crab, box.....	67220	0	0	0	0	0	0	0	0	67224
Crab, Dungeness, bay..	0	1625	0	0	0	0	0	0	0	1625
Crab, Dungeness, ocean	7775376	0	0	0	0	0	0	0	0	7775376
Crab, rock.....	0	1405	0	0	257	0	0	0	0	1662
Crab, Tanner.....	541	0	0	0	0	0	0	0	0	1156
Crayfish.....	0	0	0	0	0	0	0	0	52964	52964
Shrimp, brine.....	0	0	0	0	5000	0	0	0	0	5000
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	619
Shrimp, ghost.....	0	0	0	0	0	0	38309	0	0	38309
Shrimp, mud.....	0	0	0	0	0	0	21669	0	0	21669
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	19559785
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	86510

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
<b>MOLLUSKS:</b>											
Clams, butter.....	0	0	408	0	12652	0	0	0	0	0	13060
Clams, cockle.....	0	0	53	0	48157	0	0	0	0	0	48210
Clams, gaper.....	0	0	40	0	4243	0	0	0	0	0	4283
Clams, littleneck.....	0	0	0	0	9389	0	0	0	0	0	9389
Clams, softshell.....	0	0	739	0	0	0	0	0	0	0	739
Clams, razor.....	0	0	2066	0	0	0	0	0	0	0	2066
Mussels, ocean.....	0	0	0	0	1919	0	0	0	0	0	1919
Octopus.....	13434	2	0	0	0	0	0	0	0	0	42236
Scallops, weathervane	0	0	0	0	0	3843	0	0	0	0	9773
Snails & chitons.....	629	0	0	0	0	0	0	0	0	0	679
Squid.....	0	0	0	0	0	0	0	0	0	0	271246
<b>OTHER INVERTEBRATES:</b>											
Sea cucumber.....	0	0	0	0	7266	0	0	0	0	0	7268
Sea stars.....	533	69	0	0	943	0	0	0	0	0	1545
Sea urchin, purple....	0	0	0	0	310	0	0	0	0	0	310
Sea urchin, red.....	0	0	0	0	490087	0	0	0	0	0	490087
<b>TOTAL</b>	<b>7860011</b>	<b>3101</b>	<b>3306</b>	<b>0</b>	<b>620633</b>	<b>3843</b>	<b>59978</b>	<b>112152</b>	<b>52964</b>	<b>260954261</b>	

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997.

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
FISH:										
Cabezon.....	7	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	1	0	0	0	0	0	0	0	0	0
Dolphinfish.....	218	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	5	0	0	0	0	0
Greenling sp.....	0	0	0	0	0	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0
Halibut, California...	0	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	37374	0	0	0	0	0	0	0	0	0
Herring, Pacific - roe	0	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	11431	0	0	0	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	0	0
Mackerel.....	11	0	0	0	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	0	0
Ragfish.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0
Nominal POP.....	16	0	0	0	0	0	0	0	0	0
Rockfish, black.....	709	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	6339	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	160	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	24322	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	11104	0	0	0	0	0	0	0	0	0
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Sablefish.....	1010	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	2468802	0	0	0	136674	53599	0	40	0	0
Salmon, chum.....	10	0	0	0	59	0	0	0	0	0
Salmon, coho.....	0	0	0	0	110038	327	0	0	0	0
Salmon, pink.....	69	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	14	20	11187	0	0	1560	0	0
Shark, blue.....	0	0	0	0	0	0	0	0	0	0
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	62270	0	0	0	0	1398
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0
Sole, rex.....	0	0	0	0	0	0	0	0	0	0
Sole, rock.....	0	0	0	0	0	0	0	0	0	0
Sole, sand.....	0	0	0	0	0	0	0	0	0	0
Steelhead.....	0	0	0	0	0	3155	0	62	0	0
Sturgeon, green.....	0	0	0	0	9023	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Sturgeon, white.....	0	0	0	0	261963	29263	36050	0	0	0
Sturgeon, white - roe	0	0	0	0	0	132	0	0	0	0
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	0	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0
Tuna, skipjack.....	411	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	6541647	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	520	0	0	0	0	0	0	0	0	0
Wahoo.....	216	0	0	0	0	0	0	0	0	0
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	1	0	0	0	0	0	0	0	0	0
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocean	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	9104378	0	14	20	591219	86476	36050	1662	0	1398

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
FISH:										
Cabazon.....	0	13787	0	23139	118	0	0	0	0	0
Cod, Pacific.....	0	3	0	6	44567	30	728	0	0	0
Dolphinfish.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth.	32	61	0	0	251042	31	327	0	0	0
Flounder, starry.....	0	0	0	20	36434	0	1	0	0	0
Greenling sp.....	0	1286	0	42023	0	0	0	0	0	0
Grenadier.....	0	2	0	44	65137	0	0	0	0	0
Hagfish sp.....	9669	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	449	274	0	0	0	0	0
Halibut, Pacific.....	0	655906	0	2169	47	0	0	0	0	0
Herring, Pacific - ro	0	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	507	0	6	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	524	63566	0	147355	547799	576	16681	0	0	0
Lord, red Irish.....	0	5	0	120	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	492	0
Mackerel.....	0	8	0	25	680	2288	25	0	0	0
Opah.....	0	0	0	0	0	0	0	0	240	0
Ragfish.....	0	0	0	0	19	0	0	0	0	0
Pacific Ocean perch..	3	430	0	12	280509	3896	417	0	0	0
Nominal POP.....	2439	9803	0	1026	421954	6844	1786	0	0	0
Rockfish, black.....	2	18476	0	167990	18803	65	0	0	0	0
Rockfish, canary.....	57	144555	0	237449	371958	2029	5879	0	0	0
Rockfish, widow.....	15	1604	0	14885	1826929	1445272	1915	0	0	0
Rockfish, yellowtail.	70	46175	0	74479	641018	172444	52996	0	0	0
Rockfish, other sp...	4695	212877	0	142591	574627	10586	12826	0	0	0
Thornyhead, longspine	1	574	0	0	2894271	1475	0	0	0	0
Thornyhead, shortspin	405	5076	0	13	929036	76	187	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sablefish.....	1786642	3492631	0	14792	5023203	40789	45706	0	0	0
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	4	137709	4	1148	0	0	0
Sculpin, buffalo.....	0	6	0	0	0	0	0	0	0	0
Shad, American.....	0	0	0	0	144	32	3	0	0	0
Shark, blue.....	32	117	0	58	0	0	0	0	0	0
Shark, shortfin mako.	0	0	0	0	0	0	0	0	1564	0
Shark, sixgill.....	0	0	0	0	11	0	0	0	0	0
Shark, soupfin.....	0	301	0	122	1801	0	290	0	0	0
Shark, spiny dogfish.	0	40	0	623	701	0	0	0	0	0
Shark, thresher.....	0	0	0	0	193	0	0	0	0	0
Shark, other sp.....	90	35	0	0	10	0	0	0	0	0
Skates and rays.....	0	1300	0	379	329275	130	1511	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	0	0	0	2	0	0	0
Sole, butter.....	0	0	0	0	2247	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	1951	0	8	0	0	0
Sole, Dover.....	299	273	0	2	2624961	16	17407	0	0	0
Sole, English.....	0	0	0	0	376699	101	2863	0	0	0
Sole, flathead.....	0	0	0	0	1756	0	153	0	0	0
Sole, petrale.....	15	146	0	10	1640110	94	5493	0	0	0
Sole, rex.....	0	1	0	0	204142	230	848	0	0	0
Sole, rock.....	0	13	0	0	11911	0	0	0	0	0
Sole, sand.....	0	3	0	1	140390	1	4	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	11385	0	64	0	0	0



TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sturgeon, white.....	0	0	0	0	9097	0	0	0	0	0
Sturgeon, white - roe	0	0	0	0	0	0	0	0	0	0
Surfperch sp.....	0	0	0	2218	42	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	50242	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	3233	0
Tuna, skipjack.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0
Wahoo.....	0	0	0	0	0	0	0	0	0	0
Whiting, Pac. (hake).	0	0	0	0	16118	6806554	7	0	0	0
Wolf-eel.....	21	222	0	47	394	0	1	0	0	0
Wrymouth, giant.....	4	4	0	0	133	0	36	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	3	0	0	0	0	0
Crab, Dungeness, bay.	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocea	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	53	0	0	0	331	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe...	0	0	0	2168	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	7910567	0	0	0
Shrimp, spot.....	0	0	0	20326	181	0	257387	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Clams, littleneck....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	544	1788	0	346	10633	0	1742	0	0	0
Scallops, weathervane	0	0	0	0	2965	0	0	0	0	0
Snails & chitons.....	3	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	72	13977	1566	47	33804	0	0
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	2	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple...	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	1805615	4671074	0	895472	19467695	8495135	8339055	33804	55771	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
<b>FISH:</b>											
Cabezon.....	308	0	0	0	0	0	0	0	0	0	37359
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	45335
Dolphinfish.....	0	0	0	0	0	0	0	0	0	0	218
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	251493
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0	36460
Greenling sp.....	0	0	0	0	0	0	0	0	0	0	43309
Grenadier.....	0	0	0	0	0	0	0	0	0	0	65183
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	9669
Halibut, California...	0	0	0	0	0	0	0	0	0	0	723
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	695496
Herring, Pacific - roe	0	0	0	0	6168	0	0	0	0	0	6168
Herring, Pacific.....	0	0	0	0	0	0	0	72353	0	0	72866
Lamprey, Pacific.....	0	0	0	0	29140	0	0	0	0	0	29140
Lingcod.....	257	0	0	0	0	0	0	0	0	0	788189
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	125
Louvar.....	0	0	0	0	0	0	0	0	0	0	492
Mackerel.....	0	0	0	0	0	0	0	0	0	0	3037
Opah.....	0	0	0	0	0	0	0	0	0	0	240
Ragfish.....	0	0	0	0	0	0	0	0	0	0	19
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	285267
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	443868
Rockfish, black.....	127	0	0	0	0	0	0	0	0	0	206172
Rockfish, canary.....	0	0	0	0	0	0	0	0	0	0	768266
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	3290780
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	1011504
Rockfish, other sp....	36	0	0	0	0	0	0	0	0	0	969342
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0	2896321
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0	934793

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Sablefish.....	0	0	0	0	0	0	0	0	0	0	10404773
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0	2659115
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0	69
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0	110365
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	69
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	138865
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0	6
Shad, American.....	0	0	0	0	0	0	0	0	0	0	12960
Shark, blue.....	0	0	0	0	0	0	0	0	0	0	207
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0	1564
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0	11
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	2514
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	1364
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	193
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0	135
Skates and rays.....	7	0	0	0	0	0	0	0	0	0	332602
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0	63668
Smelt, other sp.....	0	0	0	0	0	0	0	0	25	0	27
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	2247
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	1959
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0	2642958
Sole, English.....	0	0	0	0	0	0	0	0	0	0	379663
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0	1909
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0	1645868
Sole, rex.....	0	0	0	0	0	0	0	0	0	0	205221
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	11924
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	140399
Steelhead.....	0	0	0	0	0	0	0	0	0	0	3217
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	20472

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	336373
Sturgeon, white - roe	0	0	0	0	0	0	0	0	0	0	132
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0	2260
Swordfish.....	0	0	0	0	0	0	0	0	0	0	50242
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	3233
Tuna, skipjack.....	0	0	0	0	0	0	0	0	0	0	411
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	6541647
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	520
Wahoo.....	0	0	0	0	0	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	6822679
Wolf-eel.....	376	0	0	0	0	0	0	0	0	0	1062
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	177
CRUSTACEANS:											
Crab, box.....	50839	0	0	0	0	0	0	0	0	0	50842
Crab, Dungeness, bay..	0	3789	0	0	0	0	0	0	0	0	3789
Crab, Dungeness, ocean	14633023	0	0	0	0	0	0	0	0	0	14633023
Crab, rock.....	0	1358	0	0	257	0	0	0	0	0	1615
Crab, Tanner.....	271	0	0	0	0	0	0	0	0	0	655
Crayfish.....	0	0	0	0	0	0	0	0	0	80349	80349
Shrimp, brine.....	0	0	0	0	5000	0	0	0	0	0	5000
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	2168
Shrimp, ghost.....	0	0	0	0	0	0	58183	0	0	0	58183
Shrimp, mud.....	0	0	0	0	0	0	29389	0	0	0	29389
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	7910567
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	277894
MOLLUSKS:											
Clams, butter.....	0	0	122	0	4312	0	0	0	0	0	4434
Clams, cockle.....	0	0	16	0	17275	0	0	0	0	0	17291
Clams, gaper.....	0	0	12	0	1271	0	0	0	0	0	1283

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1997. (CONT.)

SPECIES	CRAB POT	CRAB CLAM RING	SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Clams, littleneck.....	0	0	0	0	15679	0	0	0	0	15679
Clams, softshell.....	0	0	370	0	0	0	0	0	0	370
Clams, razor.....	0	0	7138	0	0	0	0	0	0	7138
Mussels, ocean.....	0	0	0	0	1101	0	0	0	0	1101
Octopus.....	10419	8	0	0	0	0	0	0	0	25480
Scallops, weathervane	0	0	0	0	0	2158	0	0	0	5123
Snails & chitons.....	531	0	0	0	0	0	0	0	0	534
Squid.....	0	0	0	0	0	0	0	0	0	49466
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	6996	0	0	0	0	6998
Sea stars.....	533	69	0	0	943	0	0	0	0	1545
Sea urchin, purple....	0	0	0	0	106	0	0	0	0	106
Sea urchin, red.....	0	0	0	0	263648	0	0	0	0	263648
<b>TOTAL</b>	<b>14696727</b>	<b>5224</b>	<b>7658</b>	<b>0</b>	<b>351896</b>	<b>2158</b>	<b>87572</b>	<b>72378</b>	<b>80349</b>	<b>68888800</b>

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	11	0	0	0	0	0	0	0	11
Cod, Pacific.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Dolphinfish.....	0	0	0	105	0	0	0	0	0	0	0	75	180
Flounder, arrowtooth..	0	0	0	0	0	0	2	0	0	0	0	0	2
Halibut, Pacific.....	0	0	0	0	8438	10923	0	107	9	0	0	0	19477
Lingcod.....	0	0	0	1723	7547	5004	59	1507	2518	1082	19	0	19459
Mackerel.....	0	0	0	0	10	3	0	0	26	0	0	0	39
Marlin, striped.....	0	0	0	0	0	0	0	0	0	98	0	0	98
Opah.....	0	0	0	0	0	0	0	0	27	0	0	0	27
Nominal POP.....	0	0	0	5	10	0	0	62	14	0	0	0	91
Rockfish, black.....	0	0	0	29	128	334	0	176	42	200	486	0	1395
Rockfish, canary.....	0	0	0	1340	3149	4408	14	740	932	131	0	0	10714
Rockfish, widow.....	0	0	0	96	15	194	0	119	46	13	0	0	483
Rockfish, yellowtail..	0	0	0	4973	25602	19464	0	9914	3042	205	0	0	63200
Rockfish, other sp....	0	0	0	2419	9961	4977	0	2395	2331	525	4	0	22612
Sablefish.....	0	0	0	130	150	206	22	89	203	0	0	0	800
Salmon, chinook.....	0	0	0	93275	393703	455768	2002	478941	284488	58948	11931	0	1779056
Salmon, chum.....	0	0	0	0	0	0	0	0	0	16	0	0	16
Salmon, pink.....	0	0	0	48	26	54	0	17	0	0	0	0	145
Tuna, skipjack.....	0	0	0	361	0	0	0	0	0	0	0	100	461
Tuna, albacore.....	0	0	0	104	0	42699	1158150	4495488	2898277	369410	183182	20428	9167738
Tuna, yellowfin.....	0	0	0	493	0	0	0	0	0	0	0	53	546
Wahoo.....	0	0	0	216	0	0	0	0	0	0	0	0	216
Wolf-eel.....	0	0	0	0	0	7	0	0	0	0	0	0	7
TOTAL	0	0	0	105317	448750	544041	1160249	4989555	3191958	430628	195622	20656	11086776

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	0	54	0	0	0	0	0	0	54
TOTAL	0	0	0	0	0	54	0	0	0	0	0	0	54
<u>COASTAL SETNET</u>													
FISH:													
Shad, American.....	0	0	0	0	0	78	0	0	0	0	0	0	78
TOTAL	0	0	0	0	0	78	0	0	0	0	0	0	78
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	8	0	0	0	0	0	10	0	0	0	0	18
Salmon, chinook.....	142	1587	0	4350	18304	1684	0	30841	70957	40732	744	0	169341
Salmon, chum.....	0	0	0	0	0	0	0	0	7	227	0	0	234
Salmon, coho.....	0	0	0	0	0	0	0	1158	132875	15390	0	0	149423
Shad, American.....	0	0	0	0	12229	55577	0	0	0	0	0	0	67806
Smelt (eulachon).....	3772	22756	0	0	0	0	0	0	0	0	0	65	26593
Sturgeon, green.....	0	0	0	0	0	38	0	27921	1055	2302	73	0	31389
Sturgeon, white.....	14910	37213	0	379	6560	1888	0	36739	30815	121292	14439	0	264235
TOTAL	18824	61564	0	4729	37093	59187	0	96669	235709	179943	15256	65	709039
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	10707	124432	0	0	0	135139
Salmon, coho.....	0	0	0	0	0	0	0	7	1294	0	0	0	1301
Steelhead.....	0	0	0	0	0	0	0	2859	6860	0	0	0	9719
Sturgeon, white.....	0	4131	14080	0	0	0	0	0	0	0	0	0	18211
Sturgeon, white - roe	0	0	6	0	0	0	0	0	0	0	0	0	6
TOTAL	0	4131	14086	0	0	0	0	13573	132586	0	0	0	164376



TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	1651	0	0	5516	8422	5932	0	0	0	0	0	0	21521
TOTAL	1651	0	0	5516	8422	5932	0	0	0	0	0	0	21521
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	62	0	0	0	62
Shad, American.....	0	0	0	0	1000	6798	0	0	0	0	0	0	7798
Steelhead.....	0	0	0	0	0	0	0	0	112	0	0	0	112
TOTAL	0	0	0	0	1000	6798	0	0	174	0	0	0	7972
<u>SMELT TRAWL</u>													
FISH:													
Smelt (eulachon).....	0	466	0	0	0	0	0	0	0	0	0	0	466
TOTAL	0	466	0	0	0	0	0	0	0	0	0	0	466
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth..	0	0	0	0	0	0	0	38	228	132	0	0	398
Hagfish sp.....	0	24172	0	0	0	0	0	0	0	0	0	0	24172
Lingcod.....	0	0	0	309	37	117	0	243	144	104	0	0	954
Pacific Ocean perch...	0	0	0	0	0	5	0	0	0	4	0	0	9
Nominal POP.....	0	0	0	0	0	817	34	592	783	420	0	0	2646
Rockfish, black.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Rockfish, canary.....	0	0	0	0	0	0	29	0	0	0	0	50	79
Rockfish, widow.....	0	0	0	0	0	6	0	13	3	0	0	0	22
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	162	0	162
Rockfish, other sp....	0	0	0	19	51	319	872	3437	3493	1487	0	0	9678
Thornyhead, longspine	0	0	0	0	0	0	0	0	2	0	0	0	2

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Thornyhead, shortspine	0	0	0	0	0	11	0	155	158	144	0	0	468
Sablefish.....	1831	1258	1898	4534	783	42992	25061	367883	160618	199792	2566	855	810071
Shark, blue.....	0	0	0	0	0	21	0	21	0	0	0	0	42
Shark, other sp.....	0	0	0	0	0	73	0	0	17	0	0	0	90
Sole, Dover.....	0	0	0	0	0	8	0	230	550	445	0	0	1233
Sole, petrale.....	0	0	0	0	0	0	0	3	12	0	0	0	15
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	9	0	0	0	9
Wolf-eel.....	0	0	0	41	0	0	0	0	0	0	0	0	41
Wrymouth, giant.....	0	0	0	0	0	0	0	0	61	25	0	0	86
<b>CRUSTACEANS:</b>													
Crab, Tanner.....	0	0	0	0	0	13	0	70	0	0	0	0	83
<b>MOLLUSKS:</b>													
Octopus.....	0	0	0	697	84	14	0	0	75	36	0	0	906
Snails & chitons.....	0	0	0	0	0	0	0	0	0	10	0	0	10
Squid.....	0	0	0	0	0	15	0	0	0	0	0	0	15
<b>TOTAL</b>	<b>1831</b>	<b>25430</b>	<b>1898</b>	<b>5600</b>	<b>955</b>	<b>44411</b>	<b>25996</b>	<b>372688</b>	<b>166153</b>	<b>202599</b>	<b>2728</b>	<b>905</b>	<b>851194</b>
<b>BOTTOM LONGLINE</b>													
<b>FISH:</b>													
Cabezon.....	4163	1301	1601	1276	1077	1046	1341	1232	3138	2896	723	1689	21483
Cod, Pacific.....	0	0	0	0	0	0	0	5	3	0	0	0	8
Flounder, arrowtooth..	0	0	8	3	111	47	53	82	169	16	0	0	489
Greenling sp.....	265	86	145	84	68	185	138	147	244	291	119	124	1896
Grenadier.....	0	0	0	0	0	0	0	0	19	0	3	0	22
Halibut, Pacific.....	0	0	0	0	0	143932	153537	6002	52523	12	0	0	356006
Lingcod.....	6559	6947	9647	7764	6195	2810	2978	6504	15122	11873	3809	10897	91105
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	2	0	2	4
Mackerel.....	0	0	0	0	0	64	16	0	0	0	72	0	152
Pacific Ocean perch...	387	64	27	107	6	210	0	16	0	0	0	0	817
Nominal POP.....	174	546	505	834	2070	3368	3832	6276	2648	1374	83	182	21892

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, black.....	2272	2623	2608	6423	6276	2719	846	3295	3815	2506	1359	2233	36975
Rockfish, canary.....	3192	15962	18758	18380	22663	35192	19479	17616	7779	1349	333	5709	166412
Rockfish, widow.....	3	580	399	505	659	579	238	201	100	6	0	170	3440
Rockfish, yellowtail..	2598	8425	9876	9257	11012	18472	12247	9161	2398	1036	80	2900	87462
Rockfish, other sp....	12689	8703	13235	18824	23359	37486	20494	35933	38667	14876	2112	5325	231703
Thornyhead, longspine	0	0	0	0	0	5	243	30	42	5	0	0	325
Thornyhead, shortspine	0	10	18	48	117	31	71	859	3108	755	0	0	5017
Sablefish.....	7777	7945	9265	30083	58439	67459	24733	586096	514982	312607	16916	10979	1647281
Sanddab, Pacific.....	0	0	1	0	0	0	0	0	0	0	0	0	1
Sculpin, buffalo.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Shark, blue.....	0	0	0	0	0	229	246	67	0	0	0	0	542
Shark, soupfin.....	22	145	0	0	0	0	55	23	60	0	49	0	354
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	332	221	77	630
Shark, other sp.....	0	0	0	35	0	0	0	0	0	0	0	0	35
Skates and rays.....	418	273	131	1625	882	463	1359	2156	1297	624	77	50	9355
Sole, Dover.....	0	0	0	0	62	93	91	205	151	30	17	9	658
Sole, petrale.....	2	6	15	6	27	6	10	15	22	35	0	0	144
Sole, rex.....	0	3	0	0	0	0	0	0	0	0	0	0	3
Sole, rock.....	0	0	0	0	0	0	8	3	13	4	0	0	28
Sole, sand.....	2	0	0	0	0	0	0	1	0	0	0	0	3
Wolf-eel.....	0	9	38	30	61	110	170	142	76	0	0	0	636
Wrymouth, giant.....	0	0	0	0	0	0	12	0	0	0	0	0	12
MOLLUSKS:													
Octopus.....	648	155	240	310	75	230	808	424	256	0	0	89	3235
Squid.....	0	0	0	0	0	0	0	0	0	0	12	0	12
TOTAL	41171	53783	66517	95597	133159	314736	243005	676491	646632	350629	25985	40435	2688140
<u>OTHER HOOK &amp; LINE</u>													
FISH:													
Cabezon.....	532	547	837	973	3708	5232	3992	3289	2596	1417	344	487	23954

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Cod, Pacific.....	0	0	0	0	0	7	0	0	0	0	0	0	7
Flounder, arrowtooth..	0	0	0	0	0	4	0	0	0	0	0	0	4
Flounder, starry.....	0	0	0	0	0	1	8	0	0	0	0	0	9
Greenling sp.....	54	96	261	647	3126	6587	2615	2577	2926	1691	448	381	21409
Grenadier.....	0	134	0	0	0	0	0	0	0	0	0	0	134
Halibut, California...	0	0	0	0	0	0	159	191	0	0	0	0	350
Halibut, Pacific.....	0	0	0	0	0	0	1084	0	0	0	0	0	1084
Herring, Pacific.....	0	297	20	0	0	0	0	0	0	0	0	0	317
Lingcod.....	13351	17486	29559	18577	21194	15297	22275	9849	8620	13874	6287	3016	179385
Lord, red Irish.....	0	0	0	0	6	26	7	9	7	5	0	0	60
Mackerel.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Pacific Ocean perch...	0	4	0	5	2	0	10	0	0	0	0	0	21
Nominal POP.....	18	117	197	1177	808	90	92	52	91	36	26	85	2789
Rockfish, black.....	4602	3146	4864	17069	56949	62185	59694	57490	37764	13717	2476	2328	322284
Rockfish, canary.....	3693	40664	35918	29392	36530	35314	23331	14534	29491	20437	4957	9997	284258
Rockfish, widow.....	229	3484	1431	4391	1380	1370	1353	55	2413	3911	8255	2123	30395
Rockfish, yellowtail..	4595	14957	12275	18604	11235	15457	21657	9685	9763	9721	6831	6857	141637
Rockfish, other sp....	6085	21299	12124	11142	25169	25921	12366	9787	10850	5862	3241	4066	147912
Thornyhead, shortspine	0	0	0	0	0	0	0	25	0	0	0	0	25
Sablefish.....	419	613	351	301	730	3885	245	0	302	2096	223	0	9165
Sanddab, Pacific.....	0	0	0	9	0	2	0	0	0	0	0	0	11
Shark, blue.....	0	0	0	0	0	15	0	40	0	0	43	0	98
Shark, soupfin.....	0	27	0	0	0	75	0	0	0	0	3	21	126
Shark, spiny dogfish..	249	0	0	0	0	0	0	0	0	0	0	0	249
Skates and rays.....	0	0	190	1045	411	0	11	0	39	135	0	0	1831
Sole, Dover.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Sole, petrale.....	0	0	0	0	2	0	0	0	0	9	0	0	11
Sole, sand.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Surfperch sp.....	0	4	77	1559	304	52	20	9	0	0	0	0	2025
Wolf-eel.....	0	0	0	20	28	10	12	6	0	0	0	0	76

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Octopus.....	6	52	0	127	37	79	117	16	0	19	0	52	505
Squid.....	0	0	0	0	0	0	0	0	0	288	0	0	288
<b>OTHER INVERTEBRATES:</b>													
Sea cucumber.....	0	0	0	0	2	0	0	0	0	0	0	0	2
<b>TOTAL</b>	<b>33833</b>	<b>102927</b>	<b>98104</b>	<b>105038</b>	<b>161631</b>	<b>171609</b>	<b>149048</b>	<b>107615</b>	<b>104865</b>	<b>73218</b>	<b>33134</b>	<b>29413</b>	<b>1170435</b>
<b>GROUND FISH TRAWL</b>													
<b>FISH:</b>													
Cabezon.....	0	0	0	0	0	62	73	120	100	13	0	0	368
Cod, Pacific.....	1957	1588	1807	4195	14319	16581	15515	14829	8608	5942	4007	24365	113713
Flounder, arrowtooth..	87345	98635	74129	126968	820447	558926	403679	216729	120204	18449	8062	23016	2556589
Flounder, starry.....	0	46	129	425	3846	5370	34154	12377	16011	44476	1608	0	118442
Grenadier.....	30667	41205	43492	51361	81891	70100	67175	70301	78246	38290	43676	48729	665133
Halibut, California...	0	0	0	0	70	0	17	85	0	0	0	0	172
Halibut, Pacific.....	0	25	0	0	0	0	0	0	0	0	0	0	25
Lingcod.....	63121	46125	60713	101767	204368	193420	176533	156447	118063	85767	72757	77334	1356415
Mackerel.....	840	2616	996	15	0	662	2346	1659	1167	1713	787	1260	14061
Ragfish.....	0	0	37	0	0	0	0	0	0	0	0	0	37
Pacific Ocean perch...	39550	48135	40953	87061	119483	106476	103332	95328	78311	58691	38281	50336	865937
Nominal POP.....	101224	93262	119568	166182	179726	167135	142182	129896	133988	122720	116902	231203	1703988
Rockfish, black.....	0	12	16	741	2124	9702	184	1264	13554	9847	100	16	37560
Rockfish, canary.....	29325	39409	37881	100774	177669	151593	89312	101126	97769	80121	64409	87790	1057178
Rockfish, widow.....	488160	623675	499244	507061	304939	813473	680726	455020	486794	379766	312029	443479	5994366
Rockfish, yellowtail..	70218	65903	94424	129269	153225	114412	113567	84930	126464	155652	175358	557339	1840761
Rockfish, other sp....	139789	120018	97433	122761	191149	181821	143488	169567	120458	85040	74165	232718	1678407
Thornyhead, longspine	395676	402953	477546	443614	431830	306067	305068	286641	261719	241497	199089	257231	4008931
Thornyhead, shortspine	105090	100803	112666	131628	116076	92318	84750	89590	84333	63470	52880	79445	1113049
Sablefish.....	298323	325568	381578	429479	524287	427030	400601	393897	346487	115675	121259	184632	3948816
Sanddab, Pacific.....	18773	38128	47815	149540	34739	39504	29033	21600	26458	79365	42159	187	527301

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shad, American.....	26	242	444	812	990	485	80	1535	113	0	0	0	4727
Shark, sixgill.....	0	160	0	22	0	0	0	0	49	0	69	0	300
Shark, soupfin.....	231	148	61	0	207	70	39	275	775	214	607	194	2821
Shark, spiny dogfish..	0	19	296	376	5710	0	0	0	0	759	214	506	7880
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	193	0	193
Shark, other sp.....	0	0	0	19	0	0	0	0	0	0	0	0	19
Skates and rays.....	154083	171587	156632	260372	175871	71074	115396	179113	342314	112526	77770	94742	1911480
Sole, butter.....	0	0	0	0	476	632	1075	1187	1953	488	0	0	5811
Sole, curlfin (turbot)	53	0	0	279	2788	844	1101	385	67	30	174	0	5721
Sole, Dover.....	923851	910806	1144443	1170705	977253	812489	765733	844098	765404	121928	85778	160808	8683296
Sole, English.....	58812	57555	53453	104663	128084	114324	148526	213947	149431	90938	31338	53388	1204459
Sole, flathead.....	0	0	160	0	209	1560	1081	984	1140	365	0	0	5499
Sole, petrale.....	468255	236979	78965	72922	75612	50413	78643	72123	79543	53373	58629	445242	1770699
Sole, rex.....	66321	62478	34073	61517	94878	85678	78462	78003	53163	18403	10377	35394	678747
Sole, rock.....	0	13	4	17	2866	12107	7775	3859	1817	196	10	48	28712
Sole, sand.....	0	64	4	2976	21752	33486	59143	32042	22651	13587	5543	46	191294
Sturgeon, green.....	0	0	0	113	725	1065	353	363	697	6529	4535	0	14380
Sturgeon, white.....	0	0	0	46	106	50	188	23	6600	819	31	0	7863
Surfperch sp.....	0	0	0	0	115	8	0	0	0	0	0	0	123
Whiting, Pac. (hake)..	0	0	1244	17884	2034	40164	143	89409	18024	0	12553	5208	186663
Wolf-eel.....	0	0	5	91	202	242	354	547	130	21	16	0	1608
Wrymouth, giant.....	8	137	8	0	133	230	287	82	34	11	0	0	930
CRUSTACEANS:													
Crab, box.....	0	0	0	0	4	0	0	0	0	0	0	0	4
Crab, Tanner.....	0	0	437	0	95	0	0	0	0	0	0	0	532
Shrimp, spot.....	31	0	0	0	25	0	9	0	0	0	0	0	65
MOLLUSKS:													
Octopus.....	146	357	314	1041	3724	3144	3286	3196	3218	1275	564	585	20850
Scallops, weathervane	0	0	0	0	0	0	0	0	0	5930	0	0	5930
Snails & chitons.....	40	0	0	0	0	0	0	0	0	0	0	0	40

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Squid.....	0	82	14	593	717	119	2537	546	121	3320	7489	45800	61338
TOTAL	3541915	3488733	3560984	4247289	4854764	4482836	4055946	3823123	3565978	2017206	1623418	3141041	42403233
<b>MIDWATER TRAWL</b>													
<b>FISH:</b>													
Cod, Pacific.....	0	0	0	0	0	3	14	58	0	0	0	0	75
Flounder, arrowtooth..	0	0	0	0	0	109	152	162	0	0	0	0	423
Herring, Pacific.....	0	0	0	0	0	8054	51957	7475	0	0	0	0	67486
Lingcod.....	0	106	55	0	0	27	705	236	18	0	392	0	1539
Mackerel.....	1525	126	2752	0	0	162371	2683374	1509388	12	0	0	0	4359548
Pomfret, Pacific.....	0	0	0	0	0	0	178	0	0	0	0	0	178
Ratfish.....	0	0	0	0	0	0	11	0	0	0	0	0	11
Pacific Ocean perch...	0	0	0	0	0	7186	3480	3076	0	0	0	0	13742
Nominal POP.....	417	12	16	29	0	4894	7923	25490	268	400	4524	0	43973
Rockfish, black.....	0	0	0	0	0	0	50	135	0	0	0	0	185
Rockfish, canary.....	0	2174	913	270	0	557	1336	578	237	433	91	0	6589
Rockfish, widow.....	325934	296045	192934	238878	286014	914212	825614	599547	496855	322699	457164	118349	5074245
Rockfish, yellowtail..	0	3837	9798	98	1636	54421	172674	202206	1300	8972	42931	1836	499709
Rockfish, other sp....	421	3	1352	10	4068	5752	5798	1614	267	1931	11240	203	32659
Thornyhead, longspine	0	0	2049	0	0	0	1	1	0	0	0	0	2051
Thornyhead, shortspine	0	0	80	0	0	0	0	0	0	0	0	0	80
Sablefish.....	0	0	562	0	0	23213	52224	12065	0	0	0	0	88064
Sanddab, Pacific.....	0	0	0	0	0	0	1011	5	0	0	0	0	1016
Sardine, Pacific.....	0	0	0	0	0	0	37	57	0	0	0	0	94
Shad, American.....	0	0	0	0	0	2069	13870	52647	0	0	0	0	68586
Shark, blue.....	0	0	0	0	0	126	109	44	0	0	0	0	279
Shark, soupfin.....	0	26	0	0	0	69	2	0	0	0	0	0	97
Shark, spiny dogfish..	0	0	0	0	0	3	1345	4398	12	0	0	0	5758
Shark, other sp.....	0	0	0	0	0	10	0	0	0	0	0	0	10
Skates and rays.....	0	0	0	0	0	125	407	1637	24	0	0	0	2193
Sole, Dover.....	0	0	0	0	0	5	40	45	0	0	0	0	90

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	3	0	0	81	0	0	29	32	0	0	182	0	327
Sole, petrale.....	0	0	0	0	0	0	1	60	0	0	72	0	133
Sole, rex.....	0	0	0	0	0	0	88	614	0	0	0	0	702
Sole, sand.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Whiting, Pac. (hake)..	0	0	0	0	8961	34204005	75490315	52888800	0	2688	0	0	162594769
<b>MOLLUSKS:</b>													
Octopus.....	0	0	0	0	0	0	39	0	0	0	0	0	39
Squid.....	0	0	0	0	0	201	427	416	4192	1098	0	4362	10696
<b>TOTAL</b>	<b>328300</b>	<b>302329</b>	<b>210511</b>	<b>239366</b>	<b>300679</b>	<b>35387412</b>	<b>79313213</b>	<b>55310786</b>	<b>503185</b>	<b>338221</b>	<b>516596</b>	<b>124750</b>	<b>172875348</b>
<b><u>SHRIMP TRAWL</u></b>													
<b>FISH:</b>													
Cod, Pacific.....	0	0	0	19	321	163	285	866	91	93	0	0	1838
Flounder, arrowtooth..	0	0	0	102	1302	861	596	337	436	55	0	0	3689
Flounder, starry.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Lingcod.....	0	0	0	1387	7504	5767	6042	3656	11316	4110	0	186	39968
Mackerel.....	0	0	0	0	0	0	240	0	0	12	0	0	252
Pacific Ocean perch...	0	0	0	44	65	74	13	1005	62	29	0	0	1292
Nominal POP.....	0	0	0	63	1041	1041	1367	943	1077	1583	0	340	7455
Rockfish, canary.....	0	0	0	870	3427	2150	2232	4287	2057	1675	0	0	16698
Rockfish, widow.....	0	0	0	735	2282	677	540	285	1371	206	0	0	6096
Rockfish, yellowtail..	0	0	0	17494	45530	29279	23492	20205	9035	7142	0	0	152177
Rockfish, other sp....	0	0	0	6355	8638	7331	4534	2258	3794	4189	0	26	37125
Thornyhead, shortspine	0	0	0	2	0	0	8	39	174	0	0	18	241
Sablefish.....	0	0	0	556	6282	7660	7337	6920	8583	1403	0	20	38761
Sanddab, Pacific.....	0	0	0	30	287	884	1038	130	233	978	0	0	3580
Shad, American.....	0	0	0	0	0	50	0	0	0	0	0	0	50
Shark, soupfin.....	0	0	0	0	79	0	141	0	0	163	0	0	383
Skates and rays.....	0	0	0	2058	2171	617	662	1818	1410	865	0	0	9601
Smelt, other sp.....	0	0	0	0	0	15	0	0	0	0	0	0	15



TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, curlfin (turbot)	0	0	0	0	0	10	0	0	50	0	0	0	60
Sole, Dover.....	0	0	0	3583	12824	9877	11909	7777	9968	1107	0	131	57176
Sole, English.....	0	0	0	182	1377	2214	551	256	3425	1660	0	103	9768
Sole, flathead.....	0	0	0	0	183	170	76	41	34	2	0	0	506
Sole, petrale.....	0	0	0	1283	1177	525	484	186	1485	483	0	89	5712
Sole, rex.....	0	0	0	554	648	440	345	136	128	368	0	11	2630
Sole, sand.....	0	0	0	0	0	0	0	5	0	0	0	0	5
Sturgeon, green.....	0	0	0	0	49	0	0	0	0	0	0	0	49
Whiting, Pac. (hake)..	0	0	0	0	0	70	0	0	0	0	0	0	70
Wolf-eel.....	0	0	0	0	26	0	0	0	5	0	0	0	31
Wrymouth, giant.....	0	0	0	0	48	112	95	20	0	0	0	0	275
<b>CRUSTACEANS:</b>													
Shrimp, pink.....	0	0	0	2187657	6511676	3337316	1656411	2088608	2882659	895458	0	0	19559785
Shrimp, spot.....	0	0	0	284	520	0	1781	32002	17872	19601	5375	4165	81600
<b>MOLLUSKS:</b>													
Octopus.....	0	0	0	42	423	318	371	518	970	389	0	234	3265
Squid.....	0	0	0	0	0	0	0	0	0	176	0	15	191
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2223300</b>	<b>6607880</b>	<b>3407621</b>	<b>1720550</b>	<b>2172301</b>	<b>2956235</b>	<b>941747</b>	<b>5375</b>	<b>5338</b>	<b>20040347</b>
<b>SQUID NET</b>													
<b>MOLLUSKS:</b>													
Squid.....	0	0	0	0	55675	137766	0	5265	0	0	0	0	198706
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55675</b>	<b>137766</b>	<b>0</b>	<b>5265</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>198706</b>
<b>OCEAN GILLNET</b>													
<b>FISH:</b>													
Louvar.....	0	0	0	0	0	0	0	0	30	119	0	0	149
Opah.....	0	0	0	0	0	0	0	0	0	120	0	0	120
Shark, shortfin mako..	0	0	0	0	0	0	0	0	47	832	0	0	879
Swordfish.....	0	0	0	0	0	0	0	0	5189	7540	0	0	12729

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Tuna, bluefin.....	0	0	0	0	0	0	0	0	384	863	0	0	1247
TOTAL	0	0	0	0	0	0	0	0	5650	9474	0	0	15124
<u>SHRIMP POT</u>													
CRUSTACEANS:													
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	496	123	619
Shrimp, spot.....	0	0	2482	0	0	0	0	0	606	0	0	1757	4845
TOTAL	0	0	2482	0	0	0	0	0	606	0	496	1880	5464
<u>CRAB POT</u>													
FISH:													
Cabezon.....	31	45	65	25	83	73	14	0	0	0	0	27	363
Lingcod.....	219	14	45	42	31	7	0	0	0	0	0	49	407
Rockfish, black.....	140	0	23	7	7	4	0	0	0	0	0	47	228
Rockfish, other sp....	54	0	0	0	7	0	0	0	0	0	0	13	74
Skates and rays.....	0	0	3	0	0	0	0	0	0	0	0	0	3
Wolf-eel.....	4	0	39	191	784	123	50	12	0	0	0	0	1203
CRUSTACEANS:													
Crab, box.....	162	35034	11737	7884	0	0	0	0	0	4789	7614	0	67220
Crab, Dungeness, ocean	1313917	374641	157408	150967	101948	68422	150213	141508	0	0	19	5316333	7775376
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	541	0	0	541
MOLLUSKS:													
Octopus.....	3128	1799	1953	2574	1309	1153	171	137	0	0	10	1200	13434
Snails & chitons.....	0	0	0	12	332	285	0	0	0	0	0	0	629
OTHER INVERTEBRATES:													
Sea stars.....	82	27	117	176	105	20	6	0	0	0	0	0	533
TOTAL	1317737	411560	171390	161878	104606	70087	150454	141657	0	5330	7643	5317669	7860011

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	174	607	805	39	1625
Crab, rock.....	0	407	333	32	312	21	28	242	12	0	0	18	1405
MOLLUSKS:													
Octopus.....	0	0	0	0	0	2	0	0	0	0	0	0	2
OTHER INVERTEBRATES:													
Sea stars.....	0	16	25	0	20	0	0	0	8	0	0	0	69
TOTAL	0	423	358	32	332	23	28	242	194	607	805	57	3101
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, butter.....	0	0	0	0	80	310	0	18	0	0	0	0	408
Clams, cockle.....	0	0	53	0	0	0	0	0	0	0	0	0	53
Clams, gaper.....	0	0	0	0	10	0	0	30	0	0	0	0	40
Clams, softshell.....	0	0	97	130	10	101	102	100	0	53	146	0	739
Clams, razor.....	52	47	92	285	574	182	126	0	0	321	282	105	2066
TOTAL	52	47	242	415	674	593	228	148	0	374	428	105	3306
<u>HAND DEVICE</u>													
FISH:													
Herring, Pacific - roe	0	0	6168	0	0	0	0	0	0	0	0	0	6168
Lamprey, Pacific.....	0	0	0	0	0	10355	21671	2216	0	0	0	0	34242
CRUSTACEANS:													
Crab, rock.....	0	0	0	0	0	125	40	24	48	0	20	0	257
Shrimp, brine.....	0	0	0	0	0	0	5000	0	0	0	0	0	5000
MOLLUSKS:													
Clams, butter.....	0	120	137	2684	1334	364	418	1080	1275	1050	710	3480	12652
Clams, cockle.....	8350	6700	4872	9521	1244	1613	999	1738	7960	1275	2305	1580	48157

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1997. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, gaper.....	0	0	0	0	0	0	639	0	402	0	402	2800	4243
Clams, littleneck.....	37	240	475	1155	1510	1619	1320	1847	731	246	154	55	9389
Mussels, ocean.....	0	0	527	165	32	353	250	563	10	12	7	0	1919
<b>OTHER INVERTEBRATES:</b>													
Sea cucumber.....	0	0	0	2284	2499	1045	1438	0	0	0	0	0	7266
Sea stars.....	0	0	52	60	72	110	116	87	135	0	196	115	943
Sea urchin, purple....	0	0	0	0	0	0	0	0	140	170	0	0	310
Sea urchin, red.....	88192	29783	52477	30653	28665	3705	31118	32015	38562	49779	56291	48847	490087
TOTAL	96579	36843	64708	46522	35356	19289	63009	39570	49263	52532	60085	56877	620633
<b>SCALLOP DREDGE</b>													
<b>MOLLUSKS:</b>													
Scallops, weathervane	0	0	3843	0	0	0	0	0	0	0	0	0	3843
TOTAL	0	0	3843	0	0	0	0	0	0	0	0	0	3843
<b>BAITSHRIMP PUMP</b>													
<b>CRUSTACEANS:</b>													
Shrimp, ghost.....	1788	2346	2129	2998	6109	5566	4734	3589	3414	3241	1642	753	38309
Shrimp, mud.....	4369	5363	3015	1085	536	201	0	0	120	285	2895	3800	21669
TOTAL	6157	7709	5144	4083	6645	5767	4734	3589	3534	3526	4537	4553	59978
<b>BAITFISH NET</b>													
<b>FISH:</b>													
Herring, Pacific.....	0	110027	0	0	0	525	900	600	0	0	0	0	112052
Smelt, other sp.....	0	0	0	0	0	0	0	100	0	0	0	0	100
TOTAL	0	110027	0	0	0	525	900	700	0	0	0	0	112152
<b>CRAYFISH TRAP</b>													
<b>CRUSTACEANS:</b>													
Crayfish.....	0	0	0	251	1923	9195	12747	11009	12215	5624	0	0	52964
TOTAL	0	0	0	251	1923	9195	12747	11009	12215	5624	0	0	52964
TOTAL	5388050	4605972	4200267	7244933	12759544	44667960	86900107	67764981	11574937	4611658	2492108	8743744	260954261

In previous Pounds and Values reports, Tables 25-41 listed landings by port, by gear, by species, and by month. These tables have been excluded from this report to reduce printing costs. Copies are available from ODFW at the address on the front page of this report.

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1997

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
<b>FISH:</b>															
Cabezon.....	0	41	46	618	5877	340	7	0	99	0	26092	1462	2777	0	37359
Cod, Pacific.....	0	41429	91	6	0	3650	0	0	149	0	0	0	10	0	45335
Dolphinfish.....	0	113	0	0	0	0	0	0	105	0	0	0	0	0	218
Flounder, arrowtooth..	0	180088	478	0	0	35964	9	0	31073	0	25	0	3856	0	251493
Flounder, starry.....	5	25200	29	0	0	2067	1934	0	7217	0	0	0	8	0	36460
Greenling sp.....	0	0	2	0	0	20	0	0	3	0	40612	2034	638	0	43309
Grenadier.....	0	6939	0	0	0	2765	0	0	52172	0	1	0	3306	0	65183
Hagfish sp.....	0	9669	0	0	0	0	0	0	0	0	0	0	0	0	9669
Halibut, California...	0	0	0	0	0	0	173	0	101	0	0	0	449	0	723
Halibut, Pacific.....	0	384038	41042	147	1921	143173	15866	21641	59764	291	24731	0	2882	0	695496
Herring, Pacific - roe	0	0	0	0	0	6168	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	0	0	0	0	0	72360	0	506	0	0	0	0	0	0	72866
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	29140	29140
Lingcod.....	0	156207	6727	11520	11393	314947	5336	1499	127490	321	85997	2547	64205	0	788189
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	119	6	0	0	125
Louvar.....	0	105	0	0	0	387	0	0	0	0	0	0	0	0	492
Mackerel.....	0	1182	0	0	0	1264	0	0	587	0	4	0	0	0	3037
Opah.....	0	0	0	0	0	240	0	0	0	0	0	0	0	0	240
Ragfish.....	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19
Pacific Ocean perch...	0	217527	1400	0	0	59413	0	0	6704	0	223	0	0	0	285267
Nominal POP.....	0	79297	924	0	0	166287	157	548	152029	0	7966	0	36660	0	443868
Rockfish, black.....	0	33262	6263	30478	372	1139	8	0	2174	219	104209	2570	25478	0	206172
Rockfish, canary.....	0	181064	490	83	26	237467	698	413	209990	5	99024	34	38972	0	768266
Rockfish, widow.....	0	1317893	11517	0	0	1125314	0	6	649391	0	483	0	186176	0	3290780
Rockfish, yellowtail..	0	599536	5053	422	0	171354	4263	490	164725	26	31231	1	34403	0	1011504
Rockfish, other sp....	0	289808	5222	1246	4645	199534	1704	1460	257391	537	132168	14709	60918	0	969342
Thornyhead, longspine	0	1001628	14224	0	0	442192	234	0	1109702	0	0	0	328341	0	2896321
Thornyhead, shortspine	0	344524	1876	0	0	193600	468	0	291214	0	0	0	103111	0	934793

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1997(CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD	OTHER 2/		TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
Sablefish.....	0	2834494	24455	0	3	2999678	117715	173791	2436620	0	1241097	3316	573604	0	10404773
Salmon, chinook.....	190313	5286	58992	2092	6493	1639308	139591	40942	417429	19406	48281	1422	89200	360	2659115
Salmon, chum.....	59	0	10	0	0	0	0	0	0	0	0	0	0	0	69
Salmon, coho.....	110365	0	0	0	0	0	0	0	0	0	0	0	0	0	110365
Salmon, pink.....	0	0	14	0	0	44	0	7	4	0	0	0	0	0	69
Sanddab, Pacific.....	0	15212	17	0	0	6226	36775	0	76358	0	0	0	4277	0	138865
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6
Shad, American.....	12747	127	0	0	0	44	0	34	8	0	0	0	0	0	12960
Shark, blue.....	0	21	0	0	0	37	0	0	96	0	43	0	10	0	207
Shark, shortfin mako..	0	0	0	0	0	1564	0	0	0	0	0	0	0	0	1564
Shark, sixgill.....	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
Shark, soupfin.....	0	330	0	0	0	584	0	0	880	0	223	0	497	0	2514
Shark, spiny dogfish..	0	650	0	0	0	623	0	0	51	0	36	0	4	0	1364
Shark, thresher.....	0	193	0	0	0	0	0	0	0	0	0	0	0	0	193
Shark, other sp.....	0	0	0	0	0	35	0	17	83	0	0	0	0	0	135
Skates and rays.....	0	125320	4383	0	0	107504	681	9	71760	0	96	0	22849	0	332602
Smelt (eulachon).....	63668	0	0	0	0	0	0	0	0	0	0	0	0	0	63668
Smelt, other sp.....	0	2	0	0	0	0	0	25	0	0	0	0	0	0	27
Sole, butter.....	0	302	0	0	0	0	102	0	1834	0	0	0	9	0	2247
Sole, curlfin (turbot)	0	54	0	0	0	52	289	0	1543	0	0	0	21	0	1959
Sole, Dover.....	0	1099270	18646	0	0	436343	7615	2	850754	0	166	0	230162	0	2642958
Sole, English.....	0	167988	1043	0	0	69809	3625	0	128528	0	0	0	8670	0	379663
Sole, flathead.....	0	1898	11	0	0	0	0	0	0	0	0	0	0	0	1909
Sole, petrale.....	0	481384	16977	0	0	296411	7741	3	713321	0	0	0	130031	0	1645868
Sole, rex.....	0	77264	952	0	0	33239	681	0	71750	0	1	0	21334	0	205221
Sole, rock.....	0	387	92	0	0	862	1155	0	9416	0	8	0	4	0	11924
Sole, sand.....	0	27115	2419	0	0	34147	20272	0	56402	0	0	0	44	0	140399
Steelhead.....	3217	0	0	0	0	0	0	0	0	0	0	0	0	0	3217
Sturgeon, green.....	9023	581	0	0	0	7873	780	0	2215	0	0	0	0	0	20472

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1997(CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
Sturgeon, white.....	327276	8728	0	0	0	0	314	0	55	0	0	0	0	0	336373
Sturgeon, white - roe	132	0	0	0	0	0	0	0	0	0	0	0	0	0	132
Surfperch sp.....	0	0	40	0	0	1050	0	0	2	0	0	11	1157	0	2260
Swordfish.....	0	4038	0	0	0	46204	0	0	0	0	0	0	0	0	50242
Tuna, bluefin.....	0	1344	0	0	0	1889	0	0	0	0	0	0	0	0	3233
Tuna, skipjack.....	0	50	0	0	0	0	0	0	361	0	0	0	0	0	411
Tuna, albacore.....	0	2604086	218935	3459	657	2893527	25794	83891	523275	5708	51174	5908	125233	0	6541647
Tuna, yellowfin.....	0	27	0	0	0	0	0	0	493	0	0	0	0	0	520
Wahoo.....	0	0	0	0	0	0	0	0	216	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	3426145	930	0	0	3387562	0	0	8042	0	0	0	0	0	6822679
Wolf-eel.....	0	56	0	0	0	174	6	2	511	0	263	0	50	0	1062
Wrymouth, giant.....	0	115	0	0	0	32	0	0	30	0	0	0	0	0	177
CRUSTACEANS:															
Crab, box.....	0	4370	805	0	0	44558	834	272	3	0	0	0	0	0	50842
Crab, Dungeness, bay..	0	0	0	0	0	70	0	1772	946	0	0	0	0	1001	3789
Crab, Dungeness, ocean	0	5130093	579862	8355	125884	3765568	401112	714295	1459442	1287	588757	29962	1815879	12527	14633023
Crab, rock.....	0	0	0	0	0	1615	0	0	0	0	0	0	0	0	1615
Crab, Tanner.....	0	0	0	0	0	0	0	0	655	0	0	0	0	0	655
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	80349	80349
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	5000
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	0	0	2168	0	2168
Shrimp, ghost.....	0	0	0	2271	0	25	4637	86	14719	0	0	0	0	36445	58183
Shrimp, mud.....	0	0	0	0	0	4397	0	0	315	0	0	0	0	24677	29389
Shrimp, pink.....	0	1269056	420826	0	0	1933177	1250	0	2110253	0	2906	0	2173099	0	7910567
Shrimp, spot.....	0	206225	49906	0	0	0	0	0	16706	0	0	0	5057	0	277894
MOLLUSKS:															
Clams, butter.....	0	0	4312	0	0	0	0	0	122	0	0	0	0	0	4434
Clams, cockle.....	0	0	17175	0	0	0	0	0	16	0	0	0	0	100	17291
Clams, gaper.....	0	0	1262	0	0	0	0	0	12	0	0	0	0	9	1283



TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1997(CONT.)

SPECIES	COLUMBIA		PACIFIC GARIBALDI	PACIFIC CITY	DEPOE		WINCHESTER			PORT ORFORD	GOLD BEACH	OTHER 2/ BROOKINGS	OTHER 2/ LOCATIONS	TOTAL
	RIVER 1/	ASTORIA			BAY	NEWPORT	FLORENCE	BAY	CHARLESTON					
Clams, littleneck.....	0	0	7376	0	0	0	0	0	0	0	0	0	8303	15679
Clams, softshell.....	0	0	0	0	0	0	0	246	54	70	0	0	0	370
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	7138	7138
Mussels, ocean.....	0	0	0	0	0	295	237	74	0	108	0	0	387	1101
Octopus.....	0	3234	42	0	292	5811	144	0	7711	0	5065	0	3181	25480
Scallops, weathervane	0	2965	0	0	0	2158	0	0	0	0	0	0	0	5123
Snails & chitons.....	0	3	0	0	0	531	0	0	0	0	0	0	0	534
Squid.....	0	580	0	0	0	1275	0	0	47611	0	0	0	0	49466
OTHER INVERTEBRATES:														
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0	6998	0	0	6998
Sea stars.....	0	0	0	0	0	1545	0	0	0	0	0	0	0	1545
Sea urchin, purple....	0	0	0	0	106	0	0	0	0	0	0	0	0	106
Sea urchin, red.....	0	0	0	0	23325	1204	0	0	0	0	178280	43057	17782	263648
TOTAL	716805	22368573	1524866	60697	180994	20906695	802207	1042031	12152682	27978	2676285	107039	6116512	205436 68888800

1/ OREGON LANDINGS ONLY

2/ LANDINGS AT SEASIDE/GEARHART, CANNON BEACH, NEHALEM BAY, NETARTS BAY, SILETZ BAY, WALDPOR, AND INLAND WATERS.

SEE TABLE 63 FOR LANDINGS OF CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP BY COUNTY.

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	2066	803	1260	1579	4451	6404	5815	4382	4486	3391	962	1760	37359
Cod, Pacific.....	782	632	723	1679	5825	6696	5554	6291	3448	2409	1606	9690	45335
Dolphinfish.....	0	0	0	105	0	0	0	0	0	0	0	113	218
Flounder, arrowtooth..	9461	9801	7392	12674	79382	54690	39662	21527	11958	1845	806	2295	251493
Flounder, starry.....	0	14	32	142	1199	1720	10654	3966	4733	13532	468	0	36460
Greenling sp.....	31	17	391	1100	5337	13156	5632	5607	5948	3966	1154	970	43309
Grenadier.....	3288	3649	4119	4701	7919	6830	6622	6772	7552	4293	4605	4833	65183
Hagfish sp.....	0	9669	0	0	0	0	0	0	0	0	0	0	9669
Halibut, California...	0	0	0	0	158	0	218	347	0	0	0	0	723
Halibut, Pacific.....	0	47	0	0	16424	274317	283837	11311	109536	24	0	0	695496
Herring, Pacific - roe	0	0	6168	0	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	0	72322	32	0	0	131	225	156	0	0	0	0	72866
Lamprey, Pacific.....	0	0	0	0	0	6690	20159	2291	0	0	0	0	29140
Lingcod.....	39266	36039	52351	63258	111329	99160	94834	78518	71720	58199	40112	43403	788189
Lord, red Irish.....	0	0	0	0	12	52	14	18	14	14	0	1	125
Louvar.....	0	0	0	0	0	0	0	0	105	387	0	0	492
Mackerel.....	76	196	292	1	26	345	1410	446	55	84	43	63	3037
Opah.....	0	0	0	0	0	0	0	0	0	240	0	0	240
Ragfish.....	0	0	19	0	0	0	0	0	0	0	0	0	19
Pacific Ocean perch...	12795	15370	13318	28267	38634	36937	34344	32023	25730	19096	12443	16310	285267
Nominal POP.....	23698	22545	29548	40946	46052	44136	37224	38522	37711	32606	33110	57770	443868
Rockfish, black.....	3531	2962	3915	12934	34500	39159	31549	31720	28561	12594	2239	2508	206172
Rockfish, canary.....	15413	61380	59165	77160	113596	115017	70697	65362	68793	47750	27590	46343	768266
Rockfish, widow.....	244674	277211	209902	228335	188455	472925	404089	302975	288823	233023	254617	185751	3290780
Rockfish, yellowtail..	26738	34505	45830	64687	91265	94729	125220	121241	56225	66934	81746	202384	1011504
Rockfish, other sp....	66529	68658	59275	76071	117435	122807	86918	104572	87752	49655	35616	94054	969342
Thornyhead, longspine	319845	290851	346263	309541	305538	219052	212938	204996	185582	168721	143966	189028	2896321
Thornyhead, shortspine	106283	87351	94761	106822	93339	75181	70176	73759	70459	51737	42082	62843	934793
Sablefish.....	409699	425157	490284	588833	774401	779707	628084	2598732	1969309	1284636	193596	262335	10404773

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, chinook.....	603	8100	0	184338	654023	549209	2613	669412	454487	115453	20877	0	2659115
Salmon, chum.....	0	0	0	0	0	0	0	0	2	67	0	0	69
Salmon, coho.....	0	0	0	0	0	0	0	787	97411	12167	0	0	110365
Salmon, pink.....	0	0	0	25	10	25	0	9	0	0	0	0	69
Sanddab, Pacific.....	2784	11655	13218	40635	10191	12436	8649	5339	7059	18857	7990	52	138865
Sculpin, buffalo.....	0	0	0	6	0	0	0	0	0	0	0	0	6
Shad, American.....	1	0	44	55	1470	11350	0	40	0	0	0	0	12960
Shark, blue.....	0	0	0	0	0	52	62	71	0	0	22	0	207
Shark, shortfin mako..	0	0	0	0	0	0	0	0	66	1498	0	0	1564
Shark, sixgill.....	0	0	0	11	0	0	0	0	0	0	0	0	11
Shark, soupfin.....	176	248	61	0	182	145	207	126	457	239	498	175	2514
Shark, spiny dogfish..	623	1	13	18	538	0	0	0	0	115	22	34	1364
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	193	0	193
Shark, other sp.....	0	0	0	45	0	73	0	0	17	0	0	0	135
Skates and rays.....	26372	30666	28037	47643	31394	10406	19049	31872	61110	21193	11654	13206	332602
Smelt (eulachon).....	6773	56765	0	0	0	0	0	0	0	0	0	130	63668
Smelt, other sp.....	0	0	0	0	0	2	0	25	0	0	0	0	27
Sole, butter.....	0	0	0	0	317	343	352	420	695	120	0	0	2247
Sole, curlfin (turbot)	16	0	0	94	984	285	362	129	26	11	52	0	1959
Sole, Dover.....	273798	270285	343699	358544	297942	252323	235724	259902	236362	39007	26860	48512	2642958
Sole, English.....	19711	18267	16961	32144	41348	36881	46641	66907	46863	28105	9203	16632	379663
Sole, flathead.....	0	0	144	0	124	514	347	307	355	118	0	0	1909
Sole, petrale.....	442114	215526	72147	67289	68113	46980	68675	67681	76257	50297	55846	414943	1645868
Sole, rex.....	19817	18616	10505	18399	29331	26391	23346	22641	15935	5732	3306	11202	205221
Sole, rock.....	0	4	1	6	1256	5814	2780	1349	627	68	3	16	11924
Sole, sand.....	2	47	3	2331	16047	24601	43597	23434	16453	9832	4019	33	140399
Steelhead.....	0	0	0	0	0	0	0	800	2417	0	0	0	3217
Sturgeon, green.....	0	0	0	147	823	1434	378	7965	548	5756	3421	0	20472
Sturgeon, white.....	22263	57746	23226	10186	25129	12106	266	28929	37218	106456	12848	0	336373
Sturgeon, white - roe	0	0	132	0	0	0	0	0	0	0	0	0	132

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Surfperch sp.....	0	9	87	1491	477	129	47	20	0	0	0	0	2260
Swordfish.....	0	0	0	0	0	0	0	0	15935	34307	0	0	50242
Tuna, bluefin.....	0	0	0	0	0	0	0	0	1344	1889	0	0	3233
Tuna, skipjack.....	0	0	0	361	0	0	0	0	0	0	0	50	411
Tuna, albacore.....	0	0	0	104	0	36934	919825	3220183	1893060	300188	153271	18082	6541647
Tuna, yellowfin.....	0	0	0	493	0	0	0	0	0	0	0	27	520
Wahoo.....	0	0	0	216	0	0	0	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	0	0	1005	942	1432853	3143653	2239570	3185	105	1106	260	6822679
Wolf-eel.....	1	4	30	114	335	160	172	176	57	7	6	0	1062
Wrymouth, giant.....	1	28	0	0	10	30	74	17	11	6	0	0	177
CRUSTACEANS:													
Crab, box.....	141	27832	8541	5833	3	0	0	0	0	3593	4899	0	50842
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	497	1448	1779	65	3789
Crab, Dungeness, ocean	2779275	966862	477865	485031	319448	202552	355797	283028	0	0	26	8763139	14633023
Crab, rock.....	0	407	333	32	264	147	68	266	60	0	20	18	1615
Crab, Tanner.....	0	0	141	0	190	0	0	53	0	271	0	0	655
Crayfish.....	0	0	0	450	3016	13983	19344	16706	18260	8590	0	0	80349
Shrimp, brine.....	0	0	0	0	0	0	5000	0	0	0	0	0	5000
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	1737	431	2168
Shrimp, ghost.....	2475	3085	3293	4816	9856	8854	7456	5048	4720	4641	2676	1263	58183
Shrimp, mud.....	5758	7210	4009	1611	990	471	0	0	144	342	3641	5213	29389
Shrimp, pink.....	0	0	0	974379	2502548	1190609	595023	825228	1375019	447761	0	0	7910567
Shrimp, spot.....	86	0	14988	824	1869	0	5030	88621	58546	68919	23567	15444	277894
MOLLUSKS:													
Clams, butter.....	0	36	67	1161	485	229	135	360	383	325	213	1040	4434
Clams, cockle.....	2505	2010	1633	4697	753	702	336	618	2403	401	721	512	17291
Clams, gaper.....	0	0	0	0	3	0	200	9	125	0	111	835	1283
Clams, littleneck.....	56	360	736	2054	2650	2462	2286	3041	1183	477	291	83	15679
Clams, softshell.....	0	0	33	41	6	58	59	34	0	37	102	0	370
Clams, razor.....	132	144	323	960	1999	645	443	0	0	1128	993	371	7138

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Mussels, ocean.....	0	0	154	57	64	129	377	262	20	24	14	0	1101
Octopus.....	2812	1528	1769	2977	3453	3309	2421	2191	2265	877	324	1554	25480
Scallops, weathervane	0	0	2158	0	0	0	0	0	0	2965	0	0	5123
Snails & chitons.....	0	0	0	0	332	199	0	0	0	3	0	0	534
Squid.....	0	14	0	143	9496	23422	366	957	419	707	1302	12640	49466
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	2052	2463	1045	1438	0	0	0	0	0	6998
Sea stars.....	82	43	194	236	197	130	122	87	143	0	196	115	1545
Sea urchin, purple....	0	0	0	0	0	0	0	0	21	85	0	0	106
Sea urchin, red.....	62281	18965	18757	12154	7254	847	15006	20119	16155	18646	31738	41726	263648
TOTAL	4954833	3135642	2468342	3884043	6083602	6381110	7703601	11610273	7486820	3367969	1262308	10550257	68888800

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1997. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>BELOW BONNEVILLE DAM</b>													
<b>FISH:</b>													
Flounder, starry.....	0	2	0	0	0	0	0	3	0	0	0	0	5
Salmon, chinook.....	603	8100	0	10212	43711	3725	0	24568	32270	13165	320	0	136674
Salmon, chum.....	0	0	0	0	0	0	0	0	2	57	0	0	59
Salmon, coho.....	0	0	0	0	0	0	0	785	97086	12167	0	0	110038
Shad, American.....	0	0	0	0	1249	9938	0	0	0	0	0	0	11187
Smelt (eulachon).....	6773	56765	0	0	0	0	0	0	0	0	0	130	63668
Sturgeon, green.....	0	0	0	0	0	67	0	7602	267	1068	19	0	9023
Sturgeon, white.....	18959	51709	0	571	10660	3189	0	28900	29653	105513	12809	0	261963
<b>TOTAL</b>	<b>26335</b>	<b>116576</b>	<b>0</b>	<b>10783</b>	<b>55620</b>	<b>16919</b>	<b>0</b>	<b>61858</b>	<b>159278</b>	<b>131970</b>	<b>13148</b>	<b>130</b>	<b>592617</b>
<b>ABOVE BONNEVILLE DAM</b>													
<b>FISH:</b>													
Salmon, chinook.....	0	0	0	0	0	0	0	7981	45658	0	0	0	53639
Salmon, coho.....	0	0	0	0	0	0	0	2	325	0	0	0	327
Shad, American.....	0	0	0	0	200	1360	0	0	0	0	0	0	1560
Steelhead.....	0	0	0	0	0	0	0	800	2417	0	0	0	3217
Sturgeon, white.....	3304	6037	23226	9557	14335	8854	0	0	0	0	0	0	65313
Sturgeon, white - roe	0	0	132	0	0	0	0	0	0	0	0	0	132
<b>TOTAL</b>	<b>3304</b>	<b>6037</b>	<b>23358</b>	<b>9557</b>	<b>14535</b>	<b>10214</b>	<b>0</b>	<b>8783</b>	<b>48400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>124188</b>
<b>TOTAL</b>	<b>29639</b>	<b>122613</b>	<b>23358</b>	<b>20340</b>	<b>70155</b>	<b>27133</b>	<b>0</b>	<b>70641</b>	<b>207678</b>	<b>131970</b>	<b>13148</b>	<b>130</b>	<b>716805</b>

1/ OREGON LANDINGS ONLY

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1997. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabazon.....	0	0	0	0	0	0	0	2	39	0	0	0	41
Cod, Pacific.....	760	545	631	1543	5176	6038	5135	5717	2762	2297	1560	9265	41429
Dolphinfish.....	0	0	0	0	0	0	0	0	0	0	0	113	113
Flounder, arrowtooth..	5023	5837	4617	6045	70006	39994	28102	14148	4704	928	105	579	180088
Flounder, starry.....	0	10	32	43	228	121	6468	1867	4118	12302	11	0	25200
Grenadier.....	132	151	144	745	1425	1155	510	894	1071	392	247	73	6939
Hagfish sp.....	0	9669	0	0	0	0	0	0	0	0	0	0	9669
Halibut, Pacific.....	0	0	0	0	0	234509	28890	11116	109523	0	0	0	384038
Lingcod.....	2663	2818	2282	15426	25345	21367	21695	28131	19161	7260	3668	6391	156207
Louvar.....	0	0	0	0	0	0	0	0	105	0	0	0	105
Mackerel.....	0	5	0	0	0	15	892	225	45	0	0	0	1182
Ragfish.....	0	0	19	0	0	0	0	0	0	0	0	0	19
Pacific Ocean perch...	10208	9971	8827	23294	28269	29546	28575	25758	19601	13495	8841	11142	217527
Nominal POP.....	1698	2058	2487	12487	9963	11814	9952	8599	7207	4995	1980	6057	79297
Rockfish, black.....	0	6	5	410	2190	11562	6434	1412	7572	3627	44	0	33262
Rockfish, canary.....	3108	8274	4944	19399	24863	23789	16673	20537	17740	14448	11866	15423	181064
Rockfish, widow.....	37070	76274	29778	68734	44983	226697	239062	173131	166215	107146	93780	55023	1317893
Rockfish, yellowtail..	11569	11938	15772	28010	37166	50206	88248	90216	31983	41177	58560	134691	599536
Rockfish, other sp....	13359	15293	13132	28402	40048	39810	33432	30102	24624	17346	12989	21271	289808
Thornyhead, longspine	96883	90309	99698	125252	115848	81070	93348	79684	74464	73711	30760	40601	1001628
Thornyhead, shortspine	38526	31207	38235	39007	37350	25162	29848	28132	26520	19623	12930	17984	344524
Sablefish.....	155675	139632	170835	210832	241708	210862	209983	474535	497757	386798	48487	87390	2834494
Salmon, chinook.....	0	0	0	0	456	1489	0	2804	537	0	0	0	5286
Sanddab, Pacific.....	1181	459	837	1997	2109	2935	710	2293	1205	1419	61	6	15212
Shad, American.....	1	0	0	50	21	15	0	40	0	0	0	0	127
Shark, blue.....	0	0	0	0	0	9	10	2	0	0	0	0	21
Shark, sixgill.....	0	0	0	11	0	0	0	0	0	0	0	0	11
Shark, soupfin.....	31	34	0	0	0	0	0	20	245	0	0	0	330
Shark, spiny dogfish..	0	0	0	18	538	0	0	0	0	94	0	0	650

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1997. 1/ 2/

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	193	0	193
Skates and rays.....	8292	10816	6145	9946	14978	3220	11105	16868	27938	11522	1049	3441	125320
Smelt, other sp.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sole, butter.....	0	0	0	0	0	0	230	29	43	0	0	0	302
Sole, curlfin (turbot)	0	0	0	0	0	54	0	0	0	0	0	0	54
Sole, Dover.....	119905	117264	142186	163634	138149	91630	103462	101602	71406	21526	8988	19518	1099270
Sole, English.....	7528	7788	2804	8572	12591	15567	25684	41173	25566	12393	2998	5324	167988
Sole, flathead.....	0	0	144	0	124	514	347	307	344	118	0	0	1898
Sole, petrale.....	115683	98101	17690	9407	13610	16859	15498	17800	14080	16359	9405	136892	481384
Sole, rex.....	4542	4088	2061	5517	13383	10683	11729	12332	6938	3393	459	2139	77264
Sole, rock.....	0	4	1	6	144	37	34	85	42	15	3	16	387
Sole, sand.....	0	18	3	287	5269	1498	11554	4278	2666	1496	46	0	27115
Sturgeon, green.....	0	0	0	0	0	0	76	0	281	209	15	0	581
Sturgeon, white.....	0	0	0	58	0	0	123	0	7565	943	39	0	8728
Swordfish.....	0	0	0	0	0	0	0	0	4038	0	0	0	4038
Tuna, bluefin.....	0	0	0	0	0	0	0	0	1344	0	0	0	1344
Tuna, skipjack.....	0	0	0	0	0	0	0	0	0	0	0	50	50
Tuna, albacore.....	0	0	0	0	0	14986	273030	1241886	767305	147981	140816	18082	2604086
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	0	27	27
Whiting, Pac. (hake)..	0	0	0	958	0	751857	1555271	1114188	2765	0	1106	0	3426145
Wolf-eel.....	0	0	0	24	10	14	8	0	0	0	0	0	56
Wrymouth, giant.....	1	0	0	0	2	19	70	17	0	6	0	0	115
CRUSTACEANS:													
Crab, box.....	45	3447	705	173	0	0	0	0	0	0	0	0	4370
Crab, Dungeness, ocean	925950	353698	129304	157473	92837	57251	35752	7080	0	0	0	3370748	5130093
Shrimp, pink.....	0	0	0	153136	345817	289685	235880	73517	132305	38716	0	0	1269056
Shrimp, spot.....	0	0	0	0	0	0	4109	86259	33307	58983	23567	0	206225
MOLLUSKS:													
Octopus.....	27	67	32	569	382	537	515	484	468	49	49	55	3234



TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1997. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Scallops, weathervane	0	0	0	0	0	0	0	0	0	2965	0	0	2965
Snails & chitons.....	0	0	0	0	0	0	0	0	0	3	0	0	3
Squid.....	0	14	0	143	32	14	39	25	0	97	12	204	580
OTHER INVERTEBRATES:													
TOTAL	1559860	999795	693350	1091608	1325020	2272592	3132483	3717295	2115599	1023832	474634	3962505	22368573

1/ OCEAN LANDINGS ONLY; SEE TABLE 44 FOR COLUMBIA RIVER LANDINGS.

2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 45A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GEARHART/SEASIDE, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Clams, razor.....	132	144	323	960	1999	645	443	0	0	1128	993	371	7138
<b>TOTAL</b>	<b>132</b>	<b>144</b>	<b>323</b>	<b>960</b>	<b>1999</b>	<b>645</b>	<b>443</b>	<b>0</b>	<b>0</b>	<b>1128</b>	<b>993</b>	<b>371</b>	<b>7138</b>

TABLE 45B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CANNON BEACH, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Salmon, chinook.....	0	0	0	0	0	0	0	152	208	0	0	0	360
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	0	0	654	1932	5535	2154	0	0	0	0	10275
Shrimp, ghost.....	0	0	0	0	0	0	97	33	0	0	0	0	130
<b>MOLLUSKS:</b>													
Clams, gaper.....	0	0	0	0	0	0	0	0	9	0	0	0	9
Clams, littleneck.....	0	0	60	618	1732	954	1163	2253	853	432	238	0	8303
Mussels, ocean.....	0	0	0	0	0	0	245	0	0	0	0	0	245
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>618</b>	<b>2386</b>	<b>2886</b>	<b>7040</b>	<b>4592</b>	<b>1070</b>	<b>432</b>	<b>238</b>	<b>0</b>	<b>19322</b>

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	5	25	0	0	9	7	0	0	46
Cod, Pacific.....	0	0	0	0	4	83	0	0	0	4	0	0	91
Flounder, arrowtooth..	0	255	0	7	64	145	0	0	0	7	0	0	478
Flounder, starry.....	0	0	0	0	6	23	0	0	0	0	0	0	29
Greenling sp.....	0	0	0	1	0	0	0	0	0	1	0	0	2
Halibut, Pacific.....	0	0	0	0	0	0	41042	0	0	0	0	0	41042
Lingcod.....	14	125	0	131	1939	1115	1388	573	673	769	0	0	6727
Pacific Ocean perch...	0	1398	0	0	0	0	0	0	0	2	0	0	1400
Nominal POP.....	0	403	0	5	5	25	0	0	0	486	0	0	924
Rockfish, black.....	0	0	0	367	1589	1469	762	1064	367	641	4	0	6263
Rockfish, canary.....	0	17	0	0	11	254	36	69	86	17	0	0	490
Rockfish, widow.....	3833	5390	0	229	0	0	0	0	2	2063	0	0	11517
Rockfish, yellowtail..	0	1151	0	1751	1270	554	13	72	235	7	0	0	5053
Rockfish, other sp....	298	924	0	194	951	489	384	737	206	1039	0	0	5222
Thornyhead, longspine	6317	7907	0	0	0	0	0	0	0	0	0	0	14224
Thornyhead, shortspine	1368	407	0	0	0	7	0	13	0	81	0	0	1876
Sablefish.....	4516	17198	0	39	215	513	900	699	290	85	0	0	24455
Salmon, chinook.....	0	0	0	117	2326	9008	0	6274	24238	16068	961	0	58992
Salmon, chum.....	0	0	0	0	0	0	0	0	0	10	0	0	10
Salmon, pink.....	0	0	0	0	4	10	0	0	0	0	0	0	14
Sanddab, Pacific.....	0	0	0	0	13	4	0	0	0	0	0	0	17
Skates and rays.....	0	743	0	886	2678	0	0	0	0	76	0	0	4383
Sole, Dover.....	0	10862	0	879	2311	4451	56	0	27	60	0	0	18646
Sole, English.....	282	243	0	21	325	153	0	0	0	19	0	0	1043
Sole, flathead.....	0	0	0	0	0	0	0	0	11	0	0	0	11
Sole, petrale.....	3609	6682	0	1627	3881	869	29	0	25	255	0	0	16977
Sole, rex.....	20	114	0	5	796	15	0	0	0	2	0	0	952
Sole, rock.....	0	0	0	0	50	42	0	0	0	0	0	0	92
Sole, sand.....	0	0	0	0	1613	806	0	0	0	0	0	0	2419

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Surfperch sp.....	0	0	0	0	40	0	0	0	0	0	0	0	40
Tuna, albacore.....	0	0	0	0	0	0	55636	96698	66601	0	0	0	218935
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	930	0	0	0	0	930
<b>CRUSTACEANS:</b>													
Crab, box.....	0	805	0	0	0	0	0	0	0	0	0	0	805
Crab, Dungeness, ocean	116624	58610	34046	31614	20272	10063	5208	4311	0	0	0	299114	579862
Shrimp, pink.....	0	0	0	93564	127325	55566	23671	28988	71386	20326	0	0	420826
Shrimp, spot.....	0	0	14988	0	0	0	0	0	21615	9936	0	3367	49906
<b>MOLLUSKS:</b>													
Clams, butter.....	0	36	67	1161	461	136	135	355	383	325	213	1040	4312
Clams, cockle.....	2505	2010	1517	4697	753	702	336	618	2403	401	721	512	17175
Clams, gaper.....	0	0	0	0	0	0	200	0	116	0	111	835	1262
Clams, littleneck.....	56	360	676	1436	918	1508	1123	788	330	45	53	83	7376
Octopus.....	0	0	0	0	42	0	0	0	0	0	0	0	42
<b>TOTAL</b>	<b>139442</b>	<b>115640</b>	<b>51294</b>	<b>138731</b>	<b>169867</b>	<b>88035</b>	<b>130919</b>	<b>142189</b>	<b>189003</b>	<b>52732</b>	<b>2063</b>	<b>304951</b>	<b>1524866</b>

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CRUSTACEANS:</b>													
Shrimp, mud.....	5238	6192	3452	984	288	0	0	0	144	342	3581	4456	24677
<b>MOLLUSKS:</b>													
Clams, cockle.....	0	0	100	0	0	0	0	0	0	0	0	0	100
<b>TOTAL</b>	<b>5238</b>	<b>6192</b>	<b>3552</b>	<b>984</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>342</b>	<b>3581</b>	<b>4456</b>	<b>24777</b>

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	89	64	99	183	99	84	0	0	0	618
Cod, Pacific.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Halibut, Pacific.....	0	0	0	0	0	147	0	0	0	0	0	0	147
Lingcod.....	0	0	277	1630	3072	1425	3297	664	396	499	260	0	11520
Rockfish, black.....	0	0	322	954	3955	4444	7341	10484	2868	69	41	0	30478
Rockfish, canary.....	0	0	0	9	53	15	3	0	0	3	0	0	83
Rockfish, yellowtail..	0	0	0	0	5	83	170	40	114	10	0	0	422
Rockfish, other sp....	0	0	0	18	574	486	141	27	0	0	0	0	1246
Salmon, chinook.....	0	0	0	0	498	239	0	286	498	571	0	0	2092
Tuna, albacore.....	0	0	0	0	0	0	0	2063	1396	0	0	0	3459
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	692	1238	781	1639	2083	1922	0	0	0	0	8355
Shrimp, ghost.....	0	0	0	0	0	0	585	836	565	186	99	0	2271
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>1291</b>	<b>3938</b>	<b>9002</b>	<b>8583</b>	<b>13803</b>	<b>16421</b>	<b>5921</b>	<b>1338</b>	<b>400</b>	<b>0</b>	<b>60697</b>



TABLE 49A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SALMON RIVER, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	29	28	79	345	474	276	0	0	1231
TOTAL	0	0	0	0	29	28	79	345	474	276	0	0	1231

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	10	14	154	0	304	1815	1998	1241	203	126	12	0	5877
Halibut, Pacific.....	0	0	0	0	168	0	1753	0	0	0	0	0	1921
Lingcod.....	14	524	1122	893	2387	746	1624	878	405	1558	1242	0	11393
Rockfish, black.....	1	0	125	0	101	0	0	38	0	0	107	0	372
Rockfish, canary.....	0	0	0	26	0	0	0	0	0	0	0	0	26
Rockfish, other sp....	416	376	424	451	459	184	648	515	477	464	231	0	4645
Sablefish.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Salmon, chinook.....	0	0	0	90	1208	0	0	3268	155	1772	0	0	6493
Tuna, albacore.....	0	0	0	0	0	0	0	0	657	0	0	0	657
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	37395	11462	5640	5166	8630	4311	8415	8605	0	0	0	36260	125884
<b>MOLLUSKS:</b>													
Octopus.....	0	0	0	0	140	0	0	0	0	0	0	152	292
<b>OTHER INVERTEBRATES:</b>													
Sea urchin, purple....	0	0	0	0	0	0	0	0	21	85	0	0	106
Sea urchin, red.....	0	0	0	0	0	50	6252	8052	1208	6801	962	0	23325
<b>TOTAL</b>	<b>37836</b>	<b>12376</b>	<b>7465</b>	<b>6626</b>	<b>13397</b>	<b>7106</b>	<b>20693</b>	<b>22597</b>	<b>3126</b>	<b>10806</b>	<b>2554</b>	<b>36412</b>	<b>180994</b>

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabazon.....	0	7	3	11	173	81	60	0	0	5	0	0	340
Cod, Pacific.....	22	87	92	136	645	509	418	488	684	108	46	415	3650
Flounder, arrowtooth..	1475	1540	1203	4058	4944	7192	6712	4054	3710	525	270	281	35964
Flounder, starry.....	0	2	0	8	67	258	185	131	358	601	457	0	2067
Greenling sp.....	0	0	0	0	20	0	0	0	0	0	0	0	20
Grenadier.....	283	210	166	173	300	191	374	322	483	114	108	41	2765
Halibut, Pacific.....	0	47	0	0	12764	34865	95278	195	0	24	0	0	143173
Herring, Pacific - roe	0	0	6168	0	0	0	0	0	0	0	0	0	6168
Herring, Pacific.....	0	72322	32	0	0	0	0	6	0	0	0	0	72360
Lingcod.....	20180	18033	32972	29749	41996	41779	33174	15097	19635	22998	22053	17281	314947
Louvar.....	0	0	0	0	0	0	0	0	0	387	0	0	387
Mackerel.....	62	0	292	0	26	294	442	138	10	0	0	0	1264
Opah.....	0	0	0	0	0	0	0	0	0	240	0	0	240
Pacific Ocean perch...	2562	3969	4477	4917	10361	5718	4940	4177	6129	5599	3482	3082	59413
Nominal POP.....	8077	11994	13656	18122	18654	12702	13090	11249	17799	13054	14305	13585	166287
Rockfish, black.....	0	24	5	0	497	396	104	0	10	10	9	84	1139
Rockfish, canary.....	1869	31611	28042	29867	30702	26998	8189	12189	19132	23845	11573	13450	237467
Rockfish, widow.....	100460	93448	68060	79784	92539	156037	105264	68265	87992	95855	110930	66680	1125314
Rockfish, yellowtail..	2490	8560	8377	13451	23389	19396	12707	12613	12616	14562	10624	32569	171354
Rockfish, other sp....	15483	18993	15012	20567	24301	20572	8131	27212	21268	13441	3937	10617	199534
Thornyhead, longspine	33144	49157	52340	42409	60920	33897	35734	29801	30269	37393	16751	20377	442192
Thornyhead, shortspine	14460	18860	14484	25908	20957	17499	11772	15686	21091	13399	7870	11614	193600
Sablefish.....	75633	92521	85231	123268	188915	178419	180694	901243	681846	391435	35498	64975	2999678
Salmon, chinook.....	0	0	0	108766	390528	388731	0	424186	299621	27476	0	0	1639308
Salmon, pink.....	0	0	0	25	6	4	0	9	0	0	0	0	44
Sanddab, Pacific.....	0	60	682	283	717	0	600	1942	1486	441	15	0	6226
Shad, American.....	0	0	44	0	0	0	0	0	0	0	0	0	44
Shark, blue.....	0	0	0	0	0	15	0	22	0	0	0	0	37
Shark, shortfin mako..	0	0	0	0	0	0	0	0	66	1498	0	0	1564

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, soupfin.....	31	32	30	0	14	125	28	34	0	90	80	120	584
Shark, spiny dogfish..	623	0	0	0	0	0	0	0	0	0	0	0	623
Shark, other sp.....	0	0	0	35	0	0	0	0	0	0	0	0	35
Skates and rays.....	8017	12348	16369	23518	6053	167	59	5404	23634	4350	7184	401	107504
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	52	0	52
Sole, Dover.....	23421	34732	34188	68074	58474	50648	40279	39243	65095	7183	6019	8987	436343
Sole, English.....	6169	4454	5220	7668	9765	3946	4923	8750	11241	3991	2846	836	69809
Sole, petrale.....	51761	45035	27707	21329	16199	6180	19018	24824	26395	3976	15049	38938	296411
Sole, rex.....	2100	3258	2034	3501	6173	4805	3342	3455	3128	560	292	591	33239
Sole, rock.....	0	0	0	0	0	693	14	8	147	0	0	0	862
Sole, sand.....	0	29	0	115	986	5222	5018	2871	10461	5472	3973	0	34147
Sturgeon, green.....	0	0	0	0	0	32	0	0	0	4454	3387	0	7873
Surfperch sp.....	0	9	13	554	284	127	43	20	0	0	0	0	1050
Swordfish.....	0	0	0	0	0	0	0	0	11897	34307	0	0	46204
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	1889	0	0	1889
Tuna, albacore.....	0	0	0	0	0	21679	532170	1529206	685970	118566	5936	0	2893527
Whiting, Pac. (hake)..	0	0	0	0	896	677343	1588382	1120416	420	105	0	0	3387562
Wolf-eel.....	0	0	10	0	54	14	0	39	44	7	6	0	174
Wrymouth, giant.....	0	28	0	0	0	0	0	0	4	0	0	0	32
CRUSTACEANS:													
Crab, box.....	96	22988	7372	5660	0	0	0	0	0	3543	4899	0	44558
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	70	0	0	0	70
Crab, Dungeness, ocean	745239	231246	106394	111765	78713	50622	67327	44759	0	0	0	2329503	3765568
Crab, rock.....	0	407	333	32	264	147	68	266	60	0	20	18	1615
Shrimp, ghost.....	5	20	0	0	0	0	0	0	0	0	0	0	25
Shrimp, mud.....	520	1018	551	618	702	471	0	0	0	0	0	517	4397
Shrimp, pink.....	0	0	0	247514	698461	295194	68227	128823	427455	67503	0	0	1933177
MOLLUSKS:													
Mussels, ocean.....	0	0	50	0	0	0	66	179	0	0	0	0	295

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Octopus.....	764	417	487	366	764	1189	348	416	579	79	64	338	5811
Scallops, weathervane	0	0	2158	0	0	0	0	0	0	0	0	0	2158
Snails & chitons.....	0	0	0	0	332	199	0	0	0	0	0	0	531
Squid.....	0	0	0	0	0	0	0	0	419	347	401	108	1275
OTHER INVERTEBRATES:													
Sea stars.....	82	43	194	236	197	130	122	87	143	0	196	115	1545
Sea urchin, red.....	0	0	0	0	0	0	1204	0	0	0	0	0	1204
TOTAL	1115028	777509	534448	992487	1801752	2064486	2848506	4437825	2491367	919432	288332	2635523	20906695

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPOR, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	146	855	0	1001
Crab, Dungeness, ocean	0	0	0	0	214	124	819	1095	0	0	0	0	2252
Shrimp, ghost.....	2470	1984	2911	3865	6647	5158	3555	2037	2064	2277	1567	549	35084
TOTAL	2470	1984	2911	3865	6861	5282	4374	3132	2064	2423	2422	549	38337

TABLE 53A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT YACHATS, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Mussels, ocean.....	0	0	0	0	64	46	0	32	0	0	0	0	142
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>46</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>142</b>



TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	0	7	0	0	0	0	0	0	0	7
Flounder, arrowtooth..	0	0	0	0	9	0	0	0	0	0	0	0	9
Flounder, starry.....	0	0	0	10	222	322	1087	282	11	0	0	0	1934
Halibut, California...	0	0	0	0	158	0	15	0	0	0	0	0	173
Halibut, Pacific.....	0	0	0	0	1723	3487	10656	0	0	0	0	0	15866
Lingcod.....	0	0	0	216	971	760	54	115	337	2883	0	0	5336
Nominal POP.....	0	0	15	81	61	0	0	0	0	0	0	0	157
Rockfish, black.....	0	0	0	8	0	0	0	0	0	0	0	0	8
Rockfish, canary.....	0	0	0	72	139	228	73	94	52	39	1	0	698
Rockfish, yellowtail..	0	0	0	412	1532	823	45	1221	158	61	11	0	4263
Rockfish, other sp....	0	0	0	140	460	359	228	195	153	169	0	0	1704
Thornyhead, longspine	0	0	0	0	0	0	0	0	234	0	0	0	234
Thornyhead, shortspine	0	0	0	3	0	0	0	465	0	0	0	0	468
Sablefish.....	0	0	1	0	28	0	360	52501	8145	56680	0	0	117715
Salmon, chinook.....	0	0	0	3379	24340	40748	0	60492	10517	115	0	0	139591
Sanddab, Pacific.....	0	3137	659	5912	4248	6887	6638	297	3639	3285	2073	0	36775
Skates and rays.....	0	0	0	240	85	32	277	47	0	0	0	0	681
Sole, butter.....	0	0	0	0	0	0	58	44	0	0	0	0	102
Sole, curlfin (turbot)	0	0	0	0	16	26	242	5	0	0	0	0	289
Sole, Dover.....	0	12	0	137	255	200	94	3718	3130	40	29	0	7615
Sole, English.....	0	346	428	515	327	430	742	343	332	131	31	0	3625
Sole, petrale.....	0	641	836	2026	1952	454	292	325	711	319	185	0	7741
Sole, rex.....	0	45	42	17	84	172	98	135	48	19	21	0	681
Sole, rock.....	0	0	0	0	49	319	764	23	0	0	0	0	1155
Sole, sand.....	0	0	0	37	2410	6099	10668	986	51	21	0	0	20272
Sturgeon, green.....	0	0	0	0	0	761	19	0	0	0	0	0	780
Sturgeon, white.....	0	0	0	0	79	63	143	29	0	0	0	0	314
Tuna, albacore.....	0	0	0	0	0	0	1847	4765	19182	0	0	0	25794
Wolf-eel.....	0	0	0	0	0	0	6	0	0	0	0	0	6

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, box.....	0	592	242	0	0	0	0	0	0	0	0	0	834
Crab, Dungeness, ocean	47491	19605	14606	20186	21803	31757	97725	90450	0	0	0	57489	401112
Shrimp, ghost.....	0	1056	313	798	534	374	420	237	211	185	159	350	4637
Shrimp, pink.....	0	0	0	1250	0	0	0	0	0	0	0	0	1250
MOLLUSKS:													
Mussels, ocean.....	0	0	104	0	0	83	50	0	0	0	0	0	237
Octopus.....	0	0	0	0	6	39	99	0	0	0	0	0	144
TOTAL	47491	25434	17246	35439	61498	94423	132700	216769	46911	63947	2510	57839	802207

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Halibut, Pacific.....	0	0	0	0	40	162	21439	0	0	0	0	0	21641
Herring, Pacific.....	0	0	0	0	0	131	225	150	0	0	0	0	506
Lingcod.....	0	454	265	0	212	347	23	0	82	22	0	94	1499
Nominal POP.....	0	0	0	0	0	0	0	0	548	0	0	0	548
Rockfish, canary.....	0	171	140	0	0	22	4	17	59	0	0	0	413
Rockfish, widow.....	0	4	0	0	0	0	0	0	2	0	0	0	6
Rockfish, yellowtail..	0	73	0	0	0	294	0	41	33	49	0	0	490
Rockfish, other sp....	0	106	143	0	77	202	159	228	494	24	0	27	1460
Sablefish.....	0	0	0	0	0	0	1985	70287	61059	39962	0	498	173791
Salmon, chinook.....	0	0	0	486	13179	11465	0	3249	10587	1976	0	0	40942
Salmon, pink.....	0	0	0	0	0	7	0	0	0	0	0	0	7
Shad, American.....	0	0	0	0	0	34	0	0	0	0	0	0	34
Shark, other sp.....	0	0	0	0	0	0	0	0	17	0	0	0	17
Skates and rays.....	0	0	0	0	0	0	0	0	0	9	0	0	9
Smelt, other sp.....	0	0	0	0	0	0	0	25	0	0	0	0	25
Sole, Dover.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Sole, petrale.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Tuna, albacore.....	0	0	0	0	0	149	34323	39905	9514	0	0	0	83891
Wolf-eel.....	0	0	0	0	0	0	2	0	0	0	0	0	2
<b>CRUSTACEANS:</b>													
Crab, box.....	0	0	222	0	0	0	0	0	0	50	0	0	272
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	387	682	666	37	1772
Crab, Dungeness, ocean	254656	80252	44693	40576	27290	3368	59496	24740	0	0	0	179224	714295
Shrimp, ghost.....	0	25	25	0	0	0	36	0	0	0	0	0	86
<b>MOLLUSKS:</b>													
Clams, softshell.....	0	0	0	10	6	44	47	0	0	37	102	0	246
Mussels, ocean.....	0	0	0	0	0	0	16	0	20	24	14	0	74
<b>TOTAL</b>	<b>254656</b>	<b>81085</b>	<b>45488</b>	<b>41072</b>	<b>40804</b>	<b>16225</b>	<b>117755</b>	<b>138644</b>	<b>82805</b>	<b>42835</b>	<b>782</b>	<b>179880</b>	<b>1042031</b>

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	4	2	0	0	11	16	4	46	5	0	0	11	99
Cod, Pacific.....	0	0	0	0	0	60	1	86	2	0	0	0	149
Dolphinfish.....	0	0	0	105	0	0	0	0	0	0	0	0	105
Flounder, arrowtooth..	2834	2073	1364	2130	3972	6482	4207	2740	3094	364	396	1417	31073
Flounder, starry.....	0	0	0	81	676	996	2913	1682	246	623	0	0	7217
Greenling sp.....	1	0	0	0	0	1	1	0	0	0	0	0	3
Grenadier.....	2401	2360	3185	3728	6077	5316	5512	5465	5793	3628	4166	4541	52172
Halibut, California...	0	0	0	0	0	0	16	85	0	0	0	0	101
Halibut, Pacific.....	0	0	0	0	870	1147	57734	0	13	0	0	0	59764
Lingcod.....	8335	6482	5277	6450	19296	17071	20351	12850	11089	6725	5555	8009	127490
Mackerel.....	14	191	0	1	0	36	76	83	0	84	39	63	587
Pacific Ocean perch...	25	0	0	0	0	1564	829	2080	0	0	120	2086	6704
Nominal POP.....	12988	7206	12525	8105	12484	13209	10162	12032	6809	9391	14156	32962	152029
Rockfish, black.....	304	89	10	98	173	5	62	176	47	1203	1	6	2174
Rockfish, canary.....	7084	11327	10150	16820	43031	38901	29190	16506	15985	6670	3031	11295	209990
Rockfish, widow.....	75718	78880	72270	47339	42971	78215	58762	46891	22575	15782	47569	62419	649391
Rockfish, yellowtail..	9232	7889	11632	13342	20937	15170	17982	9835	7920	9329	10418	31039	164725
Rockfish, other sp....	25752	20206	14207	13496	25467	30257	22367	20109	11885	5361	14498	53786	257391
Thornyhead, longspine	142012	103814	133914	102497	102728	84355	70672	82303	63777	30733	73777	119120	1109702
Thornyhead, shortspine	37779	27766	29005	29501	26068	24439	21953	23005	16185	11976	14244	29293	291214
Sablefish.....	126400	122891	157190	162769	203408	236760	189696	499630	417558	153418	74875	92025	2436620
Salmon, chinook.....	0	0	0	56713	115975	89008	0	124689	27101	3943	0	0	417429
Salmon, pink.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Sanddab, Pacific.....	1600	7983	11040	32325	1353	1706	370	676	441	13086	5778	0	76358
Shad, American.....	0	0	0	5	0	3	0	0	0	0	0	0	8
Shark, blue.....	0	0	0	0	0	11	31	32	0	0	22	0	96
Shark, soupfin.....	75	108	31	0	57	0	11	32	159	58	294	55	880
Shark, spiny dogfish..	0	1	13	0	0	0	0	0	0	0	11	26	51
Shark, other sp.....	0	0	0	10	0	73	0	0	0	0	0	0	83

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Skates and rays.....	9256	5969	4910	10936	5519	5389	4086	4838	7219	3647	2047	7944	71760
Sole, butter.....	0	0	0	0	308	343	64	347	652	120	0	0	1834
Sole, curlfin (turbot)	16	0	0	94	962	205	116	124	26	0	0	0	1543
Sole, Dover.....	98383	84302	132197	97350	81337	87953	72747	87363	76057	5709	9270	18086	850754
Sole, English.....	5541	5253	8186	15045	17272	15839	15182	15829	9261	8460	2973	9687	128528
Sole, petrale.....	260486	55666	24097	23814	21332	15678	14685	15491	20476	21492	17941	222163	713321
Sole, rex.....	10103	7451	4121	5457	7224	8918	7240	5784	4511	1286	2191	7464	71750
Sole, rock.....	0	0	0	0	1011	4723	1967	1232	431	52	0	0	9416
Sole, sand.....	2	0	0	1892	5769	10976	16357	15297	3275	2834	0	0	56402
Sturgeon, green.....	0	0	0	147	823	574	283	363	0	25	0	0	2215
Sturgeon, white.....	0	0	0	0	55	0	0	0	0	0	0	0	55
Surfperch sp.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Tuna, skipjack.....	0	0	0	361	0	0	0	0	0	0	0	0	361
Tuna, albacore.....	0	0	0	104	0	0	17505	219010	252116	32834	1706	0	523275
Tuna, yellowfin.....	0	0	0	493	0	0	0	0	0	0	0	0	493
Wahoo.....	0	0	0	216	0	0	0	0	0	0	0	0	216
Whiting, Pac. (hake)..	0	0	0	47	46	3653	0	4036	0	0	0	260	8042
Wolf-eel.....	1	0	10	62	213	47	55	119	4	0	0	0	511
Wrymouth, giant.....	0	0	0	0	8	11	4	0	7	0	0	0	30
CRUSTACEANS:													
Crab, box.....	0	0	0	0	3	0	0	0	0	0	0	0	3
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	40	620	258	28	946
Crab, Dungeness, ocean	281388	102284	68582	59326	35438	20442	54256	65944	0	0	0	771782	1459442
Crab, Tanner.....	0	0	141	0	190	0	0	53	0	271	0	0	655
Shrimp, ghost.....	0	0	44	153	2646	3294	2684	1560	1406	1717	851	364	14719
Shrimp, mud.....	0	0	6	9	0	0	0	0	0	0	60	240	315
Shrimp, pink.....	0	0	0	158998	848766	186182	90508	177040	414849	233910	0	0	2110253
Shrimp, spot.....	86	0	0	824	70	0	25	0	3624	0	0	12077	16706

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>MOLLUSKS:</b>													
Clams, butter.....	0	0	0	0	24	93	0	5	0	0	0	0	122
Clams, cockle.....	0	0	16	0	0	0	0	0	0	0	0	0	16
Clams, gaper.....	0	0	0	0	3	0	0	9	0	0	0	0	12
Clams, softshell.....	0	0	33	21	0	0	0	0	0	0	0	0	54
Octopus.....	369	371	450	837	1524	887	601	685	730	539	145	573	7711
Squid.....	0	0	0	0	9464	23408	327	932	0	263	889	12328	47611
<b>OTHER INVERTEBRATES:</b>													
TOTAL	1118189	660564	704606	871701	1665561	1033422	811594	1477094	1405368	586153	307281	1511149	12152682

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Halibut, Pacific.....	0	0	0	0	291	0	0	0	0	0	0	0	291
Lingcod.....	0	0	0	0	0	81	169	4	9	58	0	0	321
Rockfish, black.....	0	0	0	0	0	0	219	0	0	0	0	0	219
Rockfish, canary.....	0	0	0	0	0	0	5	0	0	0	0	0	5
Rockfish, yellowtail..	0	0	0	0	0	0	2	24	0	0	0	0	26
Rockfish, other sp....	0	0	0	0	164	109	160	0	10	94	0	0	537
Salmon, chinook.....	0	0	0	765	5402	3916	0	6462	2861	0	0	0	19406
Tuna, albacore.....	0	0	0	0	0	0	0	4141	1567	0	0	0	5708
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	0	0	0	631	656	0	0	0	0	0	1287
<b>MOLLUSKS:</b>													
Clams, softshell.....	0	0	0	10	0	14	12	34	0	0	0	0	70
Mussels, ocean.....	0	0	0	57	0	0	0	51	0	0	0	0	108
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>832</b>	<b>5857</b>	<b>4751</b>	<b>1223</b>	<b>10716</b>	<b>4447</b>	<b>152</b>	<b>0</b>	<b>0</b>	<b>27978</b>

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabazon.....	2052	775	1093	1448	3880	4173	1500	2458	3390	2804	926	1593	26092
Flounder, arrowtooth..	0	0	0	0	7	5	9	0	4	0	0	0	25
Greenling sp.....	30	13	373	1094	5311	12619	4109	5338	5642	3959	1154	970	40612
Grenadier.....	0	0	0	0	0	0	0	0	1	0	0	0	1
Halibut, Pacific.....	0	0	0	0	506	0	24225	0	0	0	0	0	24731
Lingcod.....	6276	5394	8638	6516	9438	9826	4608	7979	10527	5260	3188	8347	85997
Lord, red Irish.....	0	0	0	0	12	52	8	18	14	14	0	1	119
Mackerel.....	0	0	0	0	0	0	0	0	0	0	4	0	4
Pacific Ocean perch...	0	32	14	56	4	109	0	8	0	0	0	0	223
Nominal POP.....	45	90	119	291	871	1550	1218	2246	1008	434	35	59	7966
Rockfish, black.....	3181	2496	3027	8810	18055	18627	9301	15054	15611	6039	1792	2216	104209
Rockfish, canary.....	2155	6367	10445	4998	9488	20722	14401	13213	10158	1013	546	5518	99024
Rockfish, widow.....	0	14	39	3	294	23	55	0	10	0	0	45	483
Rockfish, yellowtail..	679	2485	4042	2577	3469	6731	3807	3949	1251	518	85	1638	31231
Rockfish, other sp....	9466	6810	10479	7892	13124	21498	13092	18995	17959	4683	2495	5675	132168
Sablefish.....	10485	8013	7354	33438	77399	94816	12757	527611	240224	207315	12209	9476	1241097
Salmon, chinook.....	0	0	0	709	8684	0	0	84	169	19039	19596	0	48281
Sculpin, buffalo.....	0	0	0	6	0	0	0	0	0	0	0	0	6
Shark, blue.....	0	0	0	0	0	17	21	5	0	0	0	0	43
Shark, soupfin.....	17	50	0	0	0	0	49	17	53	0	37	0	223
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	17	11	8	36
Skates and rays.....	0	0	0	4	3	0	0	89	0	0	0	0	96
Sole, Dover.....	0	0	0	0	32	59	12	33	7	12	7	4	166
Sole, rex.....	0	1	0	0	0	0	0	0	0	0	0	0	1
Sole, rock.....	0	0	0	0	0	0	1	0	7	0	0	0	8
Tuna, albacore.....	0	0	0	0	0	120	2263	29773	19018	0	0	0	51174
Wolf-eel.....	0	4	10	28	58	79	58	18	8	0	0	0	263



TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1997. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	137951	60353	43699	31132	15898	7691	2370	3390	0	0	0	286273	588757
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	2906	0	0	2906
<b>MOLLUSKS:</b>													
Octopus.....	1214	535	620	1002	429	259	443	197	121	0	0	245	5065
<b>OTHER INVERTEBRATES:</b>													
Sea cucumber.....	0	0	0	2052	2463	1045	1438	0	0	0	0	0	6998
Sea urchin, red.....	54002	12444	15564	7034	162	0	656	0	10300	6357	30035	41726	178280
<b>TOTAL</b>	<b>227553</b>	<b>105876</b>	<b>105516</b>	<b>109090</b>	<b>169587</b>	<b>200021</b>	<b>96401</b>	<b>630475</b>	<b>335482</b>	<b>260370</b>	<b>72120</b>	<b>363794</b>	<b>2676285</b>

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	0	0	0	0	143	659	159	440	53	8	0	1462
Greenling sp.....	0	0	0	0	0	521	1034	173	306	0	0	0	2034
Lingcod.....	0	0	129	350	378	423	977	129	77	73	11	0	2547
Lord, red Irish.....	0	0	0	0	0	0	6	0	0	0	0	0	6
Rockfish, black.....	0	0	0	22	31	17	1606	410	22	449	13	0	2570
Rockfish, canary.....	0	0	0	0	0	1	15	0	18	0	0	0	34
Rockfish, yellowtail..	0	0	0	0	0	1	0	0	0	0	0	0	1
Rockfish, other sp....	0	0	162	857	4909	4192	2469	1001	833	267	19	0	14709
Sablefish.....	0	0	0	0	16	356	0	0	2944	0	0	0	3316
Salmon, chinook.....	0	0	0	0	662	0	0	760	0	0	0	0	1422
Surfperch sp.....	0	0	11	0	0	0	0	0	0	0	0	0	11
Tuna, albacore.....	0	0	0	0	0	0	0	5908	0	0	0	0	5908
<b>CRUSTACEANS:</b>													
Crab, Dungeness, ocean	0	0	0	773	0	0	6125	23064	0	0	0	0	29962
<b>OTHER INVERTEBRATES:</b>													
Sea urchin, red.....	8279	0	1124	3060	4211	797	4276	10434	4647	5488	741	0	43057
<b>TOTAL</b>	<b>8279</b>	<b>0</b>	<b>1426</b>	<b>5062</b>	<b>10207</b>	<b>6451</b>	<b>17167</b>	<b>42038</b>	<b>9287</b>	<b>6330</b>	<b>792</b>	<b>0</b>	<b>107039</b>

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1997.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>FISH:</b>													
Cabezon.....	0	5	10	31	7	52	1411	377	316	396	16	156	2777
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	10	10
Flounder, arrowtooth..	129	96	208	434	380	872	632	585	446	21	35	18	3856
Flounder, starry.....	0	0	0	0	0	0	1	1	0	6	0	0	8
Greenling sp.....	0	4	18	5	6	15	488	96	0	6	0	0	638
Grenadier.....	472	928	624	55	117	168	226	91	204	159	84	178	3306
Halibut, California...	0	0	0	0	0	0	187	262	0	0	0	0	449
Halibut, Pacific.....	0	0	0	0	62	0	2820	0	0	0	0	0	2882
Lingcod.....	1784	2209	1389	1897	6295	4220	7474	12098	9329	10094	4135	3281	64205
Nominal POP.....	890	794	746	1855	4014	4836	2802	4396	4340	4246	2634	5107	36660
Rockfish, black.....	45	347	421	2265	7909	2639	5720	3082	2064	556	228	202	25478
Rockfish, canary.....	1197	3613	5444	5969	5309	4087	2108	2737	5563	1715	573	657	38972
Rockfish, widow.....	27593	23201	39755	32246	7668	11953	946	14688	12027	12177	2338	1584	186176
Rockfish, yellowtail..	2768	2409	6007	5144	3497	1471	2246	3230	1915	1221	2048	2447	34403
Rockfish, other sp....	1755	5950	5716	4054	6901	4649	5707	5451	9843	6767	1447	2678	60918
Thornyhead, longspine	41489	39664	60311	39383	26042	19730	13184	13208	16838	26884	22678	8930	328341
Thornyhead, shortspine	14150	9111	13037	12403	8964	8074	6603	6458	6663	6658	7038	3952	103111
Sablefish.....	36990	44902	69673	58487	62712	57981	31706	72226	59486	48943	22527	7971	573604
Salmon, chinook.....	0	0	0	3101	47054	880	2613	4157	67	31328	0	0	89200
Sanddab, Pacific.....	3	16	0	118	1751	904	331	131	288	626	63	46	4277
Shark, blue.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Shark, soupfin.....	22	24	0	0	111	20	119	23	0	91	87	0	497
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	4	0	0	4
Skates and rays.....	807	790	613	2113	2078	1598	3522	4626	2319	1589	1374	1420	22849
Sole, butter.....	0	0	0	0	9	0	0	0	0	0	0	0	9
Sole, curlfin (turbot)	0	0	0	0	6	0	4	0	0	11	0	0	21
Sole, Dover.....	32089	23113	35128	28470	17384	17382	19074	27941	20640	4477	2547	1917	230162
Sole, English.....	191	183	323	323	1068	946	110	812	463	3111	355	785	8670
Sole, petrale.....	10575	9401	1817	9086	11139	6940	19153	9241	14567	7896	13266	16950	130031

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1997.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rex.....	3052	3659	2247	3902	1671	1798	937	935	1310	472	343	1008	21334
Sole, rock.....	0	0	0	0	2	0	0	1	0	1	0	0	4
Sole, sand.....	0	0	0	0	0	0	0	2	0	9	0	33	44
Surfperch sp.....	0	0	63	937	153	0	4	0	0	0	0	0	1157
Tuna, albacore.....	0	0	0	0	0	0	3051	46828	69734	807	4813	0	125233
Wolf-eel.....	0	0	0	0	0	6	43	0	1	0	0	0	50
CRUSTACEANS:													
Crab, Dungeness, ocean	232581	49352	30209	25782	16918	12721	10030	5514	0	0	26	1432746	1815879
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	1737	431	2168
Shrimp, pink.....	0	0	0	319917	482179	363982	176737	416860	329024	84400	0	0	2173099
Shrimp, spot.....	0	0	0	0	1799	0	896	2362	0	0	0	0	5057
MOLLUSKS:													
Octopus.....	438	138	180	203	166	398	415	409	367	210	66	191	3181
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	6521	2069	2060	2881	0	2618	1633	0	0	0	0	17782
TOTAL	409020	226430	276008	560240	726252	528322	323918	660471	567814	254881	90458	1492698	6116512

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private hatcheries 1992-1997.

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Table 62. Pounds of salmon harvested by Oregon private salmon hatcheries, 1997.

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No private hatchery returns reported.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1997.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<b>CLACKAMAS</b>													
Crayfish	0	0	0	0	0	935	837	0	0	0	0	0	1772
Lamprey, Pacific	0	0	0	0	0	10355	21671	2216	0	0	0	0	34242
TOTAL	0	0	0	0	0	11290	22508	2216	0	0	0	0	36014
<b>CLATSOP</b>													
Crayfish	0	0	0	58	95	880	2399	3504	5944	3905	0	0	16785
<b>COLUMBIA</b>													
Crayfish	0	0	0	0	0	404	1837	342	0	0	0	0	2583
<b>GILLIAM</b>													
Shrimp, Brine	0	0	0	0	0	0	5000	0	0	0	0	0	5000
<b>JEFFERSON</b>													
Crayfish	0	0	0	193	1537	0	0	0	0	0	0	0	1730
<b>MULTNOMAH</b>													
Crayfish	0	0	0	0	0	30	634	1012	5440	1719	0	0	8835
<b>TILLAMOOK</b>													
Crayfish	0	0	0	0	43	0	0	0	0	0	0	0	43
<b>WASHINGTON</b>													
Crayfish	0	0	0	0	0	1385	428	1253	233	0	0	0	3299
<b>YAMHILL</b>													
Crayfish	0	0	0	0	248	5561	6612	4898	598	0	0	0	17917
<b>TOTAL</b>													
Carp	0	0	0	0	0	0	0	0	0	0	0	0	0
Crayfish	0	0	0	251	1923	9195	12747	11009	12215	5624	0	0	52964
Mussels, Freshwater	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific	0	0	0	0	0	10355	21671	2216	0	0	0	0	34242
Shrimp, Brine	0	0	0	0	0	0	5000	0	0	0	0	0	5000

Table 64. Oregon oyster production (gallons), 1988-97

Bay/Species	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
<b><u>Tillamook Bay</u></b>										
Pacific oyster.....	24,084	26,052	13,782	6,150	6,985	6,231	4,498	4,069	5,494	9,650
<b><u>Netarts Bay</u></b>										
Pacific oyster.....	41	216	219	2,618	1,510	1,937	1,895	2,950	3,192	2,781
<b><u>Yaquina Bay</u></b>										
Pacific oyster.....	10,924	9,602	6,570	10,350	11,008	6,634	9,049	15,602	11,030	16,372
<b><u>Winchester Bay</u></b>										
Pacific oyster.....	--	--	--	--	--	--	--	--	--	5,481
<b><u>Coos Bay</u></b>										
Pacific oyster.....	3,400	4,115	4,722	4,062	3,323	4,645	6,155	5,767	4,344	3,826
<b>TOTAL</b>	<b>38,449</b>	<b>39,985</b>	<b>25,293</b>	<b>23,180</b>	<b>22,826</b>	<b>19,447</b>	<b>21,597</b>	<b>28,388</b>	<b>24,060</b>	<b>38,110</b>

SOURCE: Oregon Department of Agriculture

## APPENDIX

### **1997 Personal Income Contribution of the Commercial Fishing and Processing Industry to Communities on the Oregon Coast and to Oregon's Economy**

An economic input/output (I/O) model can be used to estimate the total economic impact or contribution of an industry. Separate I/O models for each coastal area and for the State of Oregon were used to estimate the total (direct, indirect and induced) personal income derived from the commercial fishing industry in Oregon.

A total of \$208 million in personal income was generated in all Oregon coastal communities as a result of commercial fishing and processing activities, including income returned to Oregon by residents who fish in distant water fisheries. Because a portion of the dollars generated "leak out" of the coastal economy, the estimated statewide total personal income received by Oregon residents amounted to about \$252 million.

Although the commercial fishing industry provides somewhat less than one percent of total Oregon earned income, it is extremely important to the coastal economy, providing nearly 10 percent of coastal earned income in 1997. Table 1 is a summary of the personal income contribution of the industry to coastal areas and the state.

The trend in the personal income impact of the commercial fishing and processing industry is shown in Table 2. The table summarizes the impact of fish and shellfish landed and processed in Oregon at the state level and for coastal areas from 1986 through 1997 expressed in 1997 dollars. Table 3 shows the 1986 - 1997 impacts including the effects of distant water fisheries income returned to this state by Oregon residents.

Additional information is available in a report series, State and Coastal Communities Fisheries Economic Assessment Project, jointly funded by the Oregon Department of Fish and Wildlife (ODFW), the Oregon Coastal Zone Management Association, the Oregon Economic Development Department, and the Oregon Sea Grant Program. Authors of the report series are Shannon W. Davis, principal of The Research Group, a Corvallis, Oregon firm, and Hans D. Radtke, economist. In particular, improved estimates of the contribution of distant water income are contained in Report 2 of the series. For additional information on this report series contact Chris Carter, economist at ODFW.



**Table 1. Personal Income Contribution of the Oregon Commercial Fishing and Processing Industry  
to Oregon Coastal Communities and to Oregon, 1997 (Millions of Dollars) 1/ 2/**

	Astoria and Columbia R. Area	Tillamook Area	Newport Area	Coos Bay Area	Brookings Area	All Coastal Communities	Total State Level Impact
Oregon Landings	\$54.2	\$2.1	\$45.7	\$23.5	\$13.5	\$139.0	\$173.1
Distant Water	\$14.2	\$1.7	\$46.9	\$4.9	\$0.8	\$68.5	\$78.9
<b>Total</b>	<b>\$68.4</b>	<b>\$3.8</b>	<b>\$92.6</b>	<b>\$28.4</b>	<b>\$14.3</b>	<b>\$207.5</b>	<b>\$252.0</b>
Percent of Total Personal Income 3/	9.1%	0.8%	10.1%	2.3%	3.3%	5.5%	0.32%
Percent of Total Earned Income 4/	13.9%	1.6%	18.6%	4.1%	7.9%	9.9%	0.45%

1/ Estimates by Hans Radtke (Consulting Economist) and Chris Carter (Staff Economist) with some data provided by the Oregon State University Sea Grant Extension Agents. The personal income impact estimates are calculated with the Commercial Fisheries Economic Assessment Model developed by William Jensen and Hans Radtke. Total personal income includes direct, indirect and induced effects.

2/ In most cases the economic impact for areas listed includes impacts for smaller ports in the area. The Tillamook area includes Pacific City. The Newport area includes Depoe Bay. The Coos Bay area includes Florence, Reedsport and Bandon. The Brookings area includes Port Orford and Gold Beach.

3/ Computed as total income generated directly and indirectly by the commercial fishing and processing industry divided by total income from all sources. Total income from all sources is based on personal income estimates from the U.S. Department of Commerce, Bureau of Economic Analysis. Personal income is the sum of wages and salaries, other labor income, proprietors' income, personal dividend income, personal interest income and transfer payments less personal contributions for social security. Estimates for Coos Bay area are slightly overstated due to inclusion of Reedsport/Winchester Bay and Florence impacts in comparison to Coos County personal income.

4/ Computed as total income generated directly and indirectly by the commercial fishing and processing industry divided by total earned income as represented by estimated net earnings by place of residence, which does not include personal contributions for social insurance. Earned income does not include transfer payments, dividends, interest or rent.

**Table 2. Personal Income Contribution from Fish and Shellfish Landed and Processed in Oregon  
to Oregon Coastal Communities and to Oregon, 1986 - 1997.  
(Millions of Dollars adjusted to 1997 Basis) 1/ 2/ 3/**

YEAR	Astoria and Columbia R. Area	Tillamook Area	Newport Area	Coos Bay Area	Brookings Area	All Coastal Communities	Total State Level Impact
1986	\$70.8	\$10.4	\$36.7	\$37.5	\$8.2	\$163.5	\$236.1
1987	\$105.7	\$14.6	\$61.7	\$68.0	\$12.6	\$262.6	\$337.7
1988	\$88.5	\$13.9	\$56.5	\$58.1	\$17.1	\$234.1	\$310.0
1989	\$73.5	\$9.9	\$49.9	\$46.5	\$20.4	\$200.2	\$232.0
1990	\$51.9	\$5.8	\$30.9	\$40.9	\$20.1	\$149.6	\$192.1
1991	\$44.1	\$6.2	\$34.4	\$28.1	\$10.9	\$123.7	\$153.5
1992	\$43.7	\$5.2	\$50.9	\$34.1	\$17.0	\$151.0	\$181.9
1993	\$42.1	\$5.7	\$35.2	\$25.8	\$10.8	\$119.5	\$144.5
1994	\$40.7	\$3.5	\$41.4	\$25.1	\$15.0	\$125.6	\$147.9
1995	\$49.7	\$3.4	\$47.2	\$27.9	\$11.5	\$139.8	\$180.5
1996	\$58.6	\$4.6	\$50.7	\$28.5	\$17.0	\$159.4	\$200.1
1997	\$54.2	\$2.1	\$45.7	\$23.5	\$13.5	\$139.0	\$173.1

1/ Estimates by Hans Radtke (Consulting Economist) and Chris Carter (Staff Economist). Estimates include only the impact of fish landed in Oregon.

Distant water fisheries income is **not** included. The personal income impact estimates are calculated with the Commercial Fisheries Economic Assessment Model developed by William Jensen and Hans Radtke. Total personal income includes direct, indirect and induced effects.

Also see Oregon's Commercial Fishing Industry in 1996 and 1997, Report 1 in the series "State and Coastal Communities Fisheries Economic Assessment Project", prepared by The Research Group (Shannon Davis, principal), September, 1998.

2/ In most cases the economic impact for areas listed includes impacts for smaller ports in the area. The Tillamook area includes Pacific City.

The Newport area includes Depoe Bay. The Coos Bay area includes Florence, Reedsport and Bandon. The Brookings area includes Port Orford and Gold Beach.

3/ Adjustment to 1997 dollars made with the Implicit Price Deflator for Gross Domestic Product. (Survey of Current Business (8/99), Bureau of Economic Analysis.)

The estimates for years prior to 1997 are revised from estimates that appeared in Oregon's Commercial Fishing Industry in 1996 and 1997, Report 1 in the series "State and Coastal Communities Fisheries Economic Assessment Project", The Research Group, September, 1998.

**Table 3. Personal Income Contribution from Fish and Shellfish Landed and Processed in Oregon  
and from Distant Water Fisheries Income Returned to Oregon  
to Oregon Coastal Communities and to Oregon, 1986 - 1997.  
(Millions of Dollars adjusted to 1997 Basis) 1/ 2/ 3/**

YEAR	Astoria/ColR Area	Tillamook	Newport	Coos Bay	Brookings	Coastal	State
1986	\$93.6	\$10.4	\$82.7	\$47.1	\$8.2	\$241.9	\$348.1
1987	\$126.5	\$16.9	\$108.7	\$76.0	\$14.0	\$342.1	\$441.1
1988	\$111.6	\$16.1	\$102.3	\$69.7	\$18.3	\$317.9	\$407.3
1989	\$85.8	\$12.4	\$98.1	\$57.1	\$21.9	\$275.3	\$324.4
1990	\$75.3	\$7.9	\$95.7	\$47.4	\$21.5	\$247.8	\$311.3
1991	\$61.0	\$8.1	\$71.1	\$33.2	\$12.0	\$185.5	\$233.8
1992	\$58.8	\$7.4	\$93.2	\$39.5	\$18.0	\$216.8	\$259.5
1993	\$57.0	\$7.7	\$76.1	\$31.0	\$11.5	\$183.3	\$220.2
1994	\$55.3	\$5.5	\$84.4	\$30.2	\$15.9	\$191.3	\$227.9
1995	\$64.0	\$5.4	\$96.9	\$32.9	\$12.5	\$211.7	\$263.7
1996	\$73.2	\$6.5	\$98.3	\$33.3	\$17.9	\$229.3	\$280.9
1997	\$68.4	\$3.8	\$92.6	\$28.4	\$14.3	\$207.5	\$252.0
					State level averages in 1997 inflation adjusted dollars		
						86-97	\$297.5
					last 10 years	88-97	\$278.1
					decade to date	90-97	\$256.2
					last 5 years	93-97	\$249.0

1/ Estimates by Hans Radtke (Consulting Economist) and Chris Carter (Staff Economist). Estimates include only the impact of fish landed in Oregon. Distant water fisheries income is included. The personal income impact estimates are calculated with the Commercial Fisheries Economic Assessment Model developed by William Jensen and Hans Radtke. Total personal income includes direct, indirect and induced effects. Also see Oregon's Commercial Fishing Industry in 1996 and 1997, Report 1 in the series "State and Coastal Communities Fisheries Economic Assessment Project", prepared by The Research Group (Shannon Davis, principal), September, 1998.

2/ In most cases the economic impact for areas listed includes impacts for smaller ports in the area. The Tillamook area includes Pacific City. The Newport area includes Depoe Bay. The Coos Bay area includes Florence, Reedsport and Bandon. The Brookings area includes Port Orford and Gold Beach.

3/ Adjustment to 1997 dollars made with the Implicit Price Deflator for Gross Domestic Product. (Survey of Current Business (8/99), Bureau of Economic Analysis.) The estimates for years prior to 1997 are revised from estimates that appeared in Oregon's Commercial Fishing Industry in 1996 and 1997, Report 1 in the series