

1996

POUNDS AND VALUES

OF COMMERCIALY CAUGHT

FISH AND SHELLFISH

LANDED IN OREGON



OREGON DEPARTMENT OF FISH & WILDLIFE

1996

**Pounds and Value
of Commercially Caught Fish and Shellfish
Landed in Oregon**

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 1996. 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.

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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.

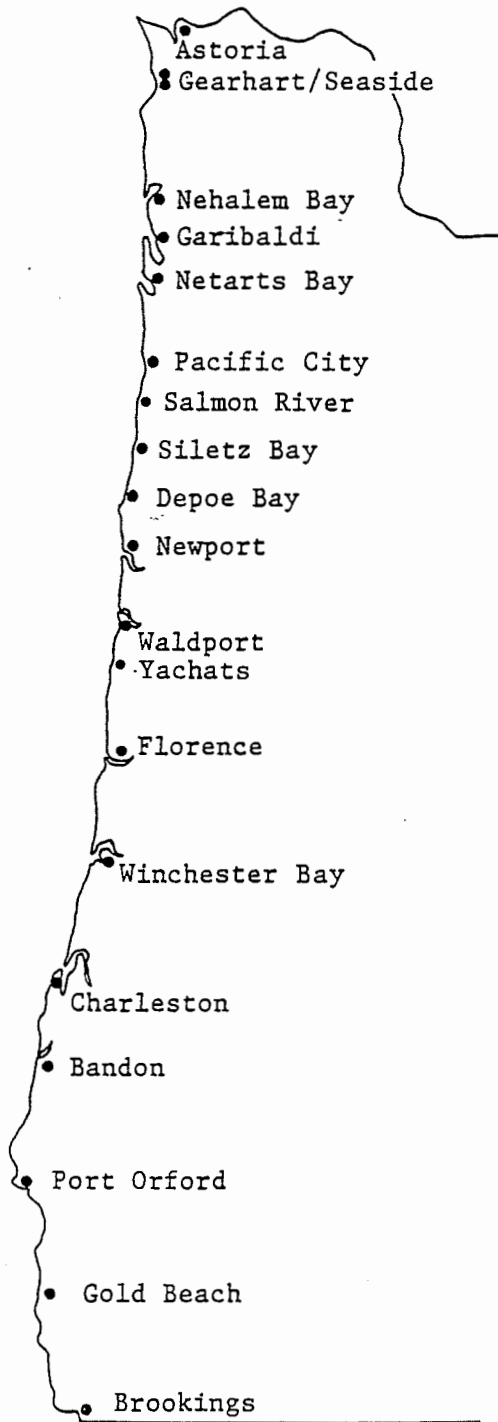


Figure 1. Oregon coastal ports

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, 1987-96) 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
FISHES:		FISHES: (continued)		CRUSTACEANS:	
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>	souppin	<i>Galeorhinus zxyopterus</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, redbelt	<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 Macrouridae	Skilfish	<i>Epilepis zonifer</i>	Shrimp,	
Hagfish sp.	<i>Eptatretus</i> sp.	Smelt (euchalon)	<i>Thaleichthys pacificus</i>	brine	<i>Artemia salina</i>
Halibut, California	<i>Paralichthys californicus</i>	Smelt, whitebait	<i>Allosmerus elongatus</i>	coonstripe	<i>Pandalus hypsinotus</i>
Halibut, Pacific	<i>Hippoglossus stenolepis</i>	Smelt, other sp.	Members of the family Osmeridae	ghost (sand)	<i>Callinassa californiensis</i>
Herring, Pacific	<i>Clupea pallasii</i>	Snailfish, blacktail	<i>Careproctus melanurus</i>	mud	<i>Upogebia pugettensis</i>
Lamprey, Pacific	<i>Lampetra tridentata</i>	Sole,		pink	<i>Pandalus jordani</i>
Lingcod	<i>Ophiodon elongatus</i>	butter	<i>Pleuronectes isolepis</i>	spot	<i>Pandalus platyceros</i>
Lord, brown Irish	<i>Hemilepidotus spinosus</i>	curfin	<i>Pleuronichthys decurrens</i>	Water flea	Members of the family
Lord, red Irish	<i>Hemilepidotus hemilepidotus</i>	Dover	<i>Microstomus pacificus</i>		Daphnidae
Mackerel	Members of the family Carangidae	English	<i>Pleuronectes vetulus</i>	<hr/>	
	and Scombridae	flathead	<i>Hippoglossoides elassodon</i>	MOLLUSKS:	
4 Mackerel, jack	<i>Trachinotus symmetricus</i>	petrale	<i>Eopsetta jordani</i>	Clam,	
Mackerel, Pacific (chub)	<i>Scomber japonicus</i>	rex	<i>Errex zachirus</i>	butter	<i>Saxidomus giganteus</i>
Marlin, striped	<i>Tetrapturus audax</i>	rock	<i>Pleuronectes bilineatus</i>	cockle	<i>Clinocardium nuttallii</i>
Minnnow, fathead	<i>Pimephales promelas</i>	sand	<i>Psetichthys melanostictus</i>	gaper	<i>Tresus capax</i>
Opah	<i>Lampris guttatus</i>	slender	<i>Eopsetta exilis</i>	littleneck	<i>Protothaca staminea</i>
Pollock, walleye	<i>Theragra chalcogramma</i>	Squawfish, northern	<i>Ptychocheilus oregonensis</i>	razor	<i>Siliqua patula</i>
Prickleback, monkeyface	<i>Cebidishthys violaceus</i>	Steelhead	<i>Oncorhynchus mykiss</i>	softshell	<i>Mya arenaria</i>
Ratfish	<i>Hydrolagus colliel</i>	Sturgeon,		Mussel, freshwater	Members of the family
Rockfish,		green	<i>Acipenser medirostris</i>		Corbiculidae and Unionidae
black	<i>Sebastes melanops</i>	white	<i>Acipenser transmontanus</i>	Mussel, ocean	<i>Mytilus</i> sp.
canary	<i>Sebastes pinniger</i>	Sucker, bridgelp	<i>Catostomus columbianus</i>	Octopus	<i>Octopus</i> sp.
other sp	<i>Sebastes</i> sp.	Sucker, largescale	<i>Catostomus macrocheilus</i>	Oyster,	
Pacific Ocean perch	<i>Sebastes alutus</i>	Sunfish, ocean	<i>Mola mola</i>	Kumamoto	<i>Crassostrea gigas</i> var.
widow	<i>Sebastes entomelas</i>	Surfperch sp	Members of the family	native	<i>Ostrea lurida</i>
yellowtail	<i>Sebastes flavidus</i>		Embiotocidae	Pacific	<i>Crassostrea gigas</i>
Sablefish	<i>Anopiopoma fimbria</i>	Swordfish	<i>Xiphias gladius</i>	Scallop, rock	<i>Crassedoma giganteum</i>
Salmon,		Thornyhead, longspine	<i>Sebastes altivelis</i>	Scallop, weathervane	<i>Patinopectin caurinus</i>
chinook	<i>Oncorhynchus tshawytscha</i>	Thornyhead, shortspine	<i>Sebastes alascanus</i>	Squid	<i>Loligo opalescens</i>
chum	<i>Oncorhynchus keta</i>	Tomcod, Pacific	<i>Microgadus proximus</i>	<hr/>	
coho	<i>Oncorhynchus kisutch</i>	Tuna,		OTHER INVERTEBRATES:	
pink	<i>Oncorhynchus gorbuscha</i>	albacore	<i>Thunnus alalunga</i>	Bloodworm	<i>Euzonus</i> sp.
sockeye	<i>Oncorhynchus nerka</i>	bluefin	<i>Thunnus thynnus</i>	Sand dollar	<i>Dendroaster excentricus</i>
Sanddab, Pacific	<i>Citharichthys sordidus</i>	skipjack	<i>Euthynnus</i> sp.	Sea cucumber	<i>Cucumaria</i> and <i>Parastichopus</i> sp.
Sardine, Pacific	<i>Sardinops sagax</i>	yellowfin	<i>Thunnus albacares</i>	Urchin, purple sea	<i>Strongylocentrotus purpuratus</i>
Sculpin, buffalo	<i>Enophrys bison</i>	other sp	Members of the family Scombridae	Urchin, red sea	<i>Strongylocentrotus fanciscanus</i>
Sculpin, other sp	Members of the family Cottidae	Walleye	<i>Stizostedion vitreum</i>	Worms, tube	<i>Serpula</i> sp.
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 glganteus</i>		

Table 2. Type and number of commercial fishing licenses and permits issued, 1987-96

Type	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Albacore tuna landing.....	50	76	55	46	32	91	120	101	129	209
Bait Fishing.....	112	131	113	118	108	96	70	56	74	47
Boat.....	3,109	3,529	3,508	3,388	2,959	—	—	—	—	—
Resident 1/.....	—	—	—	—	—	2,263	2,037	1,897	1,805	1,659
Non-resident 1/.....	—	—	—	—	—	653	520	443	414	372
Crew fishing 2/.....	—	—	—	—	—	—	—	229	348	450
Individual fishing.....	6,951	7,165	7,105	6,050	5,592	—	—	—	—	—
Resident 1/.....	—	—	—	—	—	3,643	3,308	2,839	2,740	2,440
Non-resident 1/.....	—	—	—	—	—	609	527	393	392	378
Juvenile fishing.....	116	264	250	184	148	94	70	62	100	73
Single Delivery.....	678	136	108	77	103	174	184	105	67	40
Crab permit 3/.....	—	—	—	—	—	—	—	—	444	461
Gillnet permit.....	370	356	356	355	354	350	344	336	330	327
Scallop permit.....	103	104	105	100	88	62	60	93	77	64
Shrimp permit.....	181	220	211	208	203	199	197	195	195	189
Troll permit.....	2,626	2,597	2,574	2,528	2,048	2,112	1,821	1,572	1,469	1,377
Sea urchin permit 4/.....	—	39	92	72	60	49	46	43	39	39
Bait dealers:										
Reporting.....	62	72	71	55	63	58	51	49	47	37
Non-reporting.....	27	27	30	28	29	26	23	21	21	19
Buyer.....	150	179	159	141	127	85	65	53	44	51
Canner, fish.....	7	11	7	8	9	9	7	8	6	8
Canner, shellfish.....	3	4	2	2	1	1	0	0	1	1
Limited fish seller.....	37	57	77	85	65	86	111	119	97	107
Wholesale fish dealer:										
Reporting.....	167	171	188	170	160	124	113	102	109	99
Non-reporting.....	33	30	36	32	33	21	12	12	16	16
Private hatchery.....	6	6	6	4	4	0	1	1	1	1
Boat, lost license.....	30	31	35	29	22	11	12	10	10	10
Indiv. fishing, lost license.....	26	67	50	47	37	37	30	24	37	20
Permit fisheries, lost permit..	37	28	29	22	11	10	6	4	9	11
TOTAL	14,881	15,300	15,167	13,749	12,256	10,863	9,735	8,767	9,021	8,505

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

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1987-1996.

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
FISH:										
Anchovy, northern.....	0	26	30	0	0	0	2	2000	485	0
Cabazon.....	14051	24987	14765	11383	18339	15941	3226	15495	12686	12590
Carp.....	11184	0	0	0	0	218	0	0	7488	0
Cod, Pacific.....	1468747	2280678	1720551	510279	1134083	917172	1084073	376053	177067	185068
Dace, speckled.....	0	0	0	0	74	66	0	0	0	0
Dolphinfish.....	0	0	0	0	0	0	0	0	26	0
Flounder, arrowtooth..	1631086	1414080	2505977	4000879	4604857	4543936	3657146	3793635	3115812	2465395
Flounder, starry.....	218867	345650	443256	237846	718486	156589	164210	138466	81747	58972
Greenling sp.....	0	177	169	7	50	35	183	399	84	1466
Grenadier.....	462	46854	112981	191831	254024	310459	817038	879490	1050256	936982
Hagfish sp.....	0	25782	344187	167453	274535	751281	332779	5370	2166	38297
Halibut, California...	0	0	0	0	0	16	0	70	104	390
Halibut, Pacific.....	916022	582020	916024	622233	544446	711874	662687	539997	542916	310372
Herring, Pacific.....	493788	355890	546391	475634	430494	437200	168353	16359	137923	171947
Lamprey, Pacific.....	5633	10896	8366	14203	32221	9089	17858	14260	21897	31264
Lingcod.....	1590000	2223051	2591820	1927617	3277413	1568033	1840715	1898239	1422443	1570067
Lord, brown Irish.....	0	0	2	1	8	0	2	10	0	14
Lord, red Irish.....	0	6	2	35	11	2	12	53	56	4
Louvar.....	0	0	0	0	0	0	0	0	0	50
Mackerel.....	3229	1403	10443	22679	43590	1716941	1226850	1002140	744588	703599
Marlin, striped.....	0	0	0	0	73	0	0	0	0	0
Minnow, fathead.....	0	0	0	0	7	69	405	0	0	0
Opah.....	1727	160	0	0	0	0	0	0	0	62
Pollock, walleye.....	0	0	47	31	340	120	455	33	91	0
Prickleback spp.....	0	0	0	0	0	0	0	0	4	0
Ratfish.....	0	28	110	24	167	253	98	11	94	0
Pacific Ocean perch...	1048384	1403168	1557365	1084209	1653609	1186075	1564342	1213593	1015667	1060192
Nominal POP.....	2046590	2980699	3046384	2991281	3428857	1980933	4410081	3256920	1819758	1651746
Rockfish, black.....	1/	1/	1/	1/	1/	1/	1/	208238	220191	309746

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1987-1996. (CONT.)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Rockfish, canary.....	1/	1/	1/	1/	1/	1/	1/	2/	1166171	1676354
Rockfish, widow.....	13963484	12009023	15236547	12226558	9664121	11011727	14723070	9728256	8566311	8372794
Rockfish, yellowtail..	3700306	4960998	4076729	4011601	3857810	8374166	6251541	6875837	6743150	7834529
Rockfish, other sp....	10037674 1/	9838085 1/	11086159 1/	7134485 1/	10053489 1/	8578115 1/	8906024 1/	5009014 2/	2547151	2461809
Thornyhead sp.....	1480307 3/	2209850 3/	5564151 3/	9980977 3/	7718124 3/	9438100 3/	9833358 3/	8915929 3/	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	3/	3/	3/	5781259	4835143
Thornyhead, shortspine	3/	3/	3/	3/	3/	3/	3/	3/	1561082	1337699
Sablefish.....	11551671	8999796	8704848	8230977	8667954	8726275	8660394	9037720	6980400	7065064
Salmon, chinook.....	11482797	11741085	7610539	4202223	1795377	1676951	1490396	720759	2600846	2609546
Salmon, chum.....	6821	14697	4164	3909	1298	2786	256	186	102	60
Salmon, coho.....	3058254	5698522	3836619	1041908	3421096	446454	207671	488886	190518	216444
Salmon, pink.....	100463	12	20295	0	8786	19	33	0	420	0
Salmon, sockeye.....	124037	65036	59	0	0	11	0	0	0	0
Sanddab, Pacific.....	468094	241914	162923	429616	690675	646542	622151	1139676	1503718	229009
Sardine, Pacific.....	0	0	0	0	0	8568	517	44	0	10
Sculpin, buffalo.....	0	21	10	8	4	2	2	1	0	4
Sculpin, other sp....	0	0	2	0	8	0	28	98	101	32
Shad, American.....	365482	393621	194516	497513	141094	429634	423729	259468	348530	337384
Shark, blue.....	0	0	0	56	97	125	356	137	868	1267
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	164	1757
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	279
Shark, sixgill.....	0	0	135	118	300	13	111	150	0	115
Shark, soupfin.....	17743	3029	3264	3709	4719	4588	4123	2767	2306	5463
Shark, spiny dogfish..	225	1110	698	15611	145405	121575	76843	152838	110742	27053
Shark, thresher.....	203328	177548	30	655	0	1306	629	0	1302	294
Shark, other sp.....	3645	67	159	92	40	0	527	77	1140	148
Shiner, redbside.....	0	0	0	0	193	154	0	0	564	0
Skates and rays.....	21421	4571	8319	2112	6352	3244	3464	18058	261687	1245286
Skilfish.....	0	0	0	0	0	147	0	0	0	0
Smelt (eulachon).....	0	58931	19968	1068	1580	2644	27122	210	6816	7094

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1987-1996. (CONT.)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Smelt, whitebait.....	0	0	4512	0	188	0	0	0	0	0
Smelt, other sp.....	48725	40	9686	40	400	1627	336	2150	406	222
Snailfish, blacktail..	0	0	0	0	0	0	44	38	4	0
Sole, butter.....	10617	691	2465	0	817	167	255	1936	58	0
Sole, curlfin (turbot)	9685	6328	5420	574	2507	848	3003	5928	2506	4599
Sole, Dover.....	13353184	16925202	19638358	16553757	19428977	13399167	14293885	8533771	7793874	10334613
Sole, English.....	1310569	1281272	1527272	1122209	1864935	1383963	1583218	789608	689004	860721
Sole, flathead.....	1311	20708	7252	17111	6288	18096	11697	7648	5946	10507
Sole, petrale.....	1884519	1989500	1901739	1639907	2054029	1699928	1708468	1357412	1756061	1588255
Sole, rex.....	632021	734799	623183	500134	948308	730812	603366	483734	470253	665632
Sole, rock.....	2498	11383	5555	5018	3913	724	4218	8417	2070	11724
Sole, sand.....	500462	349569	487093	467730	634274	388724	465958	411275	175611	160370
Sole, slender.....	0	0	0	0	0	0	0	0	40	0
Squawfish, northern...	0	0	42	0	36	32	0	0	0	0
Steelhead.....	319411	267345	252099	163502	117564	237716	149371	75282	68572	13473
Sturgeon, green.....	67553	57905	10673	9528	27495	22357	23260	6940	6358	16874
Sturgeon, white.....	428330	230867	200472	184308	111602	152017	188783	142025	134052	171648
Sturgeon, white - roe	0	50	0	0	0	10	66	61	0	40
Sucker, bridgelip.....	0	0	0	0	139	331	0	0	0	0
Sucker, largescale....	0	0	28	0	0	14	0	0	0	0
Sunfish, ocean.....	0	50	0	0	0	0	0	21	0	18
Surfperch sp.....	2539	5551	3710	4953	2201	3596	1676	1298	2471	3428
Swordfish.....	0	0	0	0	0	0	0	0	5530	35417
Tomcod, Pacific.....	0	69	0	0	0	0	0	0	0	0
Tuna, albacore.....	2288045	3967120	1079657	2079312	1258818	3895618	4754450	4697740	5033810	8948355
Tuna, other.....	13	154	0	0	0	0	0	0	1370	981
Walleye.....	0	0	7065	1268	1806	2984	2812	2215	5214	2164
Whiting, Pac. (hake)..	402713	543196	195914	5058341	29108721	107939472	78969791	143563263	147354856	155587811
Wolf-eel.....	9276	4857	4917	2994	1963	1507	595	3023	3598	3791
Wrymouth, giant.....	254	560	121	142	355	389	268	503	806	1399

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1987-1996. (CONT.)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Miscellaneous.....4/	3947	227	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Barnacle, gooseneck...	0	30	561	12	25	0	0	0	0	0
Crab, box.....	24	0	412	8586	10460	620	832	3449	814	3646
Crab, Dungeness, bay..	62499	37598	63480	62065	85554	97183	55341	98673	38001	8545
Crab, Dungeness, ocean	5928370	9379755	11612421	9447752	4838017	11810919	10400813	10539413	11915767	19293218
Crab, hermit.....	0	0	0	21	17	0	30	2	37	0
Crab, kelp.....	0	0	0	0	0	8	461	24	15	2
Crab, mole.....	0	15	8	0	0	0	0	0	0	0
Crab, rock.....	5321	7772	4037	4571	5302	287	285	3683	3113	4930
Crab, Tanner.....	121	0	16	0	9	9	2	6640	139169	35
Crayfish.....	336279	299013	237990	169909	124034	93058	57426	61631	68864	46951
Shrimp, brine.....	23100	26600	29800	39300	28500	43700	43200	41000	42250	0
Shrimp, coonstripe....	0	0	0	0	44	0	0	0	1223	1513
Shrimp, ghost.....	52470	70815	68040	72778	99327	100399	72262	65119	66774	50136
Shrimp, mud.....	42273	40277	40995	51911	56022	51141	48300	25447	28188	18837
Shrimp, pink.....	44589472	41846202	49128914	31882770	21711413	48033256	26923125	16386022	12105862	15726666
Shrimp, Sidestripe....	0	0	0	0	0	0	0	23	0	23
Shrimp, spot.....	0	0	74	0	0	0	40212	65019	16699	7931
Water flea (Daphnia)..	0	0	3000	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	3046	2492	3806	4604	3546	983	6382	1961	7852	1389
Clams, cockle.....	20202	30068	44344	45607	56129	37484	71907	163295	96622	57600
Clams, gaper.....	6368	3656	5164	10391	8660	9351	5464	2146	12677	3459
Clams, littleneck....	14140	6971	6032	7521	9446	10280	36632	6084	9135	4497
Clams, softshell.....	2527	1596	1136	4633	8592	6237	7312	7448	106	191
Clams, razor.....	29197	33910	32177	13474	28580	0	62	19116	58830	2901
Mussels, ocean.....	48903	50656	65048	44445	31931	22472	22934	20009	25702	2756
Mussels, freshwater...	3407	2564	3773	9946	4991	22715	2333	13999	0	0
Octopus.....	18771	46903	15318	17022	14844	20169	30349	9507	5469	16049

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1987-1996. (CONT.)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Scallops, rock.....	0	0	220	24	0	29	0	126	20	0
Scallops, weathervane	13590	29226	0	1781	1021	1944	286194	153855	976	0
Snails & chitons.....	0	0	0	0	14	0	14	92	23	27
Squid.....	29	5	96025	0	95	13344	130646	233003	246406	229323
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	0	0	3	0	0	82	0	0
Sea anemone.....	0	0	0	0	32	0	0	0	131	0
Sea cucumber.....	0	0	0	0	1	0	5148	10534	0	0
Sea stars.....	0	0	0	0	55	0	1290	3096	1770	1467
Sea urchin, purple....	0	0	0	0	0	96883	34235	197109	42359	675
Sea urchin, red.....	202799	1970963	7842658	9320868	4736872	2857392	2183266	1789598	1495313	819483
Sea urchins, other sp	0	0	0	0	10	0	100	0	0	0
Bloodworms.....	0	0	28	0	0	0	0	0	0	0
Worms, tube.....	0	1570	1938	0	0	0	0	0	0	0
	138714102	148399571	165623652	139071640	150033088	256989410	210414937	245732435	238691534	262497152

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, 1987-1996.

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
FISH:										
Anchovy, northern.....	0	13	15	0	0	0	0	200	485	0
Cabazon.....	3038	7110	4354	4735	9435	7655	2055	5336	5196	5574
Carp.....	1118	0	0	0	0	20	0	0	750	0
Cod, Pacific.....	481581	625521	448314	130825	341619	306304	354692	128679	69006	73775
Dace, speckled.....	0	0	0	0	148	68	0	0	0	0
Dolphinfish.....	0	0	0	0	0	0	0	0	21	0
Flounder, arrowtooth..	239085	184682	242358	413558	527421	480458	357553	367575	347131	249498
Flounder, starry.....	74842	107108	133213	69209	210693	49744	48873	44459	26105	18989
Greenling sp.....	0	121	99	4	166	31	426	942	99	468
Grenadier.....	60	7331	17920	21535	20790	23232	91544	111946	150124	103174
Hagfish sp.....	0	9024	103256	49434	69952	167523	80786	1343	193	10253
Halibut, California...	0	0	0	0	0	44	0	74	175	641
Halibut, Pacific.....	1017882	873846	1302466	915808	1021787	827775	862125	1014736	941051	703703
Herring, Pacific.....	236438	234041	267457	261308	172610	142710	42925	3112	90205	127965
Lamprey, Pacific.....	5633	1634	2950	3562	9017	2381	4028	4561	21760	28405
Lingcod.....	602709	799512	871307	652219	1083430	579369	671000	757249	612345	689153
Lord, brown Irish.....	0	0	1	1	4	0	24	20	0	32
Lord, red Irish.....	0	1	1	14	3	15	149	314	225	9
Louvar.....	0	0	0	0	0	0	0	0	0	93
Mackerel.....	535	365	1174	3694	2598	956	3518	17356	10757	11492
Marlin, striped.....	0	0	0	0	310	0	0	0	0	0
Minnow, fathead.....	0	0	0	0	1	11	286	0	0	0
Opah.....	777	80	0	0	0	0	0	0	0	22
Pollock, walleye.....	0	0	5	3	47	24	148	4	19	0
Prickleback spp.....	0	0	0	0	0	0	0	0	16	0
Ratfish.....	0	3	11	7	83	22	5	55	0	0
Pacific Ocean perch...	348285	409484	432166	293148	497651	361251	480084	406412	363648	356427
Nominal POP.....	628334	804034	737407	763234	997904	526718	1139451	829951	468376	406960
Rockfish, black.....	1/	1/	1/	1/	1/	1/	1/	88888	118025	153671

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1987-1996. (CONT).

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Rockfish, canary.....	1/	1/	1/	1/	1/	1/	1/	2/	533736	734077
Rockfish, widow.....	4479994	3387375	3923316	3162354	2619408	2873690	3952699	3031563	2797607	2549938
Rockfish, yellowtail..	1195589	1398034	1099739	1103934	1164470	2608814	1953664	2330511	2470770	2690158
Rockfish, other sp....	3472700 1/	2899196 1/	3134719 1/	2177787 1/	3290452 1/	2892963 1/	3083577 1/	1879158 2/	1137441	1032307
Thornyhead sp.....	482734 3/	780168 3/	2050440 3/	3867991 3/	3518127 3/	4094329 3/	4380911 3/	6328414 3/	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	3/	3/	3/	5533646	3933963
Thornyhead, shortspine	3/	3/	3/	3/	3/	3/	3/	3/	1736977	1357043
Sablefish.....	5084115	4349726	3834542	3587209	5228787	5712658	4753287	7757008	9270421	9867602
Salmon, chinook.....	21496898	26844371	10659401	8067575	2930856	3120564	2177299	1019364	3432380	3152334
Salmon, chum.....	6412	10650	2144	2745	560	684	135	48	44	8
Salmon, coho.....	4911333	11712110	3454954	1381662	2824793	410281	171954	403594	120333	132961
Salmon, pink.....	69432	10	13111	0	4062	14	18	0	206	0
Salmon, sockeye.....	186607	126280	30	0	0	7	0	0	0	0
Sanddab, Pacific.....	171223	79220	41369	121140	217731	182641	183998	330543	410065	66195
Sculpin, buffalo.....	0	2	1	1	5	5	3	4	0	9
Sculpin, other sp....	0	0	1	0	1	0	75	206	405	32
Shad, American.....	72841	93575	73650	87987	30758	76704	66728	48403	86839	54274
Shark, blue.....	0	0	0	56	97	86	117	86	179	417
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	32
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	349
Shark, sixgill.....	0	0	74	89	150	7	52	75	0	69
Shark, soupfin.....	12367	2751	3114	2716	3129	3657	2252	1728	1436	4627
Shark, spiny dogfish..	83	191	333	2032	18562	4712	7229	11996	11448	2288
Shark, thresher.....	155084	135208	49	541	0	1068	445	0	1572	223
Shark, other sp.....	2882	39	95	187	31	0	724	20	532	128
Shiner, redbside.....	0	0	0	0	579	256	0	0	2611	0
Skates and rays.....	6714	1461	2654	638	2026	549	820	4354	59261	226114
Skilfish.....	0	0	0	0	0	147	0	0	0	0
Smelt (eulachon).....	0	12343	4194	854	1054	2270	6565	223	5583	8439
Smelt, whitebait.....	0	0	1451	0	56	0	0	0	0	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1987-1996. (CONT).

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Smelt, other sp.....	12357	12	1924	20	80	406	128	215	196	74
Snailfish, blacktail..	0	0	0	0	0	0	0	0	18	0
Sole, butter.....	2650	173	617	0	273	3	12	628	17	0
Sole, curlfin (turbot)	3220	2232	1907	172	775	266	925	1717	847	1528
Sole, Dover.....	4183769	5216349	5472600	4531282	5974060	3739372	3879857	2535198	2599106	3273458
Sole, English.....	533189	500680	562838	350404	619454	429459	472655	250434	243830	292116
Sole, flathead.....	494	7946	2755	5134	1923	4921	3540	2518	1982	3184
Sole, petrale.....	1552685	1662075	1589975	1358331	1688778	1358558	1307286	1108181	1701036	1538980
Sole, rex.....	248293	285249	227305	159212	303914	219884	176327	145360	161487	214544
Sole, rock.....	1061	3022	2112	1510	1205	254	1501	2658	714	3706
Sole, sand.....	366786	260971	363872	347112	473235	278892	328726	303179	132801	119361
Squawfish, northern...	0	0	2	0	72	52	0	0	0	0
Steelhead.....	351209	382736	136572	132840	71958	155989	76756	36854	21685	3917
Sturgeon, green.....	34320	32230	5444	6831	17542	10989	13432	4944	3435	9587
Sturgeon, white.....	714606	423942	385225	376839	219431	270484	258634	188399	235401	243237
Sturgeon, white - roe	0	925	0	0	0	800	1052	745	0	565
Sucker, bridgelip.....	0	0	0	0	139	228	0	0	0	0
Sucker, largescale....	0	0	1	0	0	7	0	0	0	0
Sunfish, ocean.....	0	5	0	0	0	0	0	0	0	54
Surfperch sp.....	1748	3105	2810	3540	1748	3529	2458	1819	2226	4788
Swordfish.....	0	0	0	0	0	0	0	0	23503	119451
Tomcod, Pacific.....	0	31	0	0	0	0	0	0	0	0
Tuna, albacore.....	1675345	3327289	887241	1669613	975651	3968744	3881329	3749088	3749889	7429611
Tuna, other.....	9	65	0	0	0	0	0	0	746	1156
Walleye.....	0	0	4649	1223	1362	2269	2164	1857	4396	1636
Whiting, Pac. (hake)..	33054	41183	14625	219501	1396758	5067451	2278648	4288503	7000346	4146641
Wolf-eel.....	2304	1025	1471	946	535	689	339	930	1891	1050
Wrymouth, giant.....	95	58	18	19	114	83	20	141	257	185
Miscellaneous.....4/	4551	534	0	0	0	0	0	0	0	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1987-1996. (CONT).

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
CRUSTACEANS:										
Barnacle, gooseneck...	0	8	1938	7	19	0	0	0	0	0
Crab, box.....	10	0	108	5120	6235	603	604	2723	264	586
Crab, Dungeness, bay..	111431	63332	101571	113577	138176	136975	89416	174334	65485	17409
Crab, Dungeness, ocean	8240445	11217831	13462688	14441256	7324158	13250824	11708787	14288194	19979244	26162777
Crab, hermit.....	0	0	0	11	9	0	76	4	53	0
Crab, kelp.....	0	0	0	0	0	16	417	19	15	6
Crab, mole.....	0	70	8	0	0	0	0	0	0	0
Crab, rock.....	5321	7772	4037	4643	4907	204	204	2723	3009	4822
Crab, Tanner.....	242	0	16	0	9	9	4	6824	184900	0
Crayfish.....	470539	415975	318466	211411	149464	107171	66761	71627	77947	59231
Shrimp, brine.....	34650	39900	46260	62520	51300	37145	36720	34851	35913	0
Shrimp, coonstripe....	0	0	0	0	111	0	0	0	3579	3232
Shrimp, ghost.....	135904	90038	97903	98412	150903	132328	89293	76809	84185	72856
Shrimp, mud.....	64882	66198	67123	86745	91671	65308	61321	32073	35470	24561
Shrimp, pink.....	30273745	17149670	17906265	15628757	12069476	17186998	8911606	9626445	8599422	9361576
Shrimp, Sidestripe....	0	0	0	0	0	0	0	91	0	69
Shrimp, spot.....	0	0	259	0	0	0	92642	166653	47394	22600
Water flea (Daphina)..	0	0	3000	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	1422	1549	1547	1313	1722	1116	3003	627	2730	422
Clams, cockle.....	5704	12075	20643	24504	27644	17232	34671	64837	34922	19452
Clams, gaper.....	1573	1176	1750	4083	2993	5339	2682	1197	6031	1550
Clams, littleneck....	15716	8219	8951	11775	16285	16409	55556	10997	15609	7483
Clams, softshell.....	524	554	450	3377	8564	4491	4788	4563	636	990
Clams, razor.....	64172	86831	87962	39487	73112	0	142	28307	114890	6585
Mussels, ocean.....	26478	20075	21871	14388	6925	5848	7583	5364	8989	1287
Mussels, freshwater...	954	744	1094	2885	1447	15647	817	4900	0	0
Octopus.....	14197	31257	8625	11532	10398	21478	24140	6633	11224	14181
Scallops, rock.....	0	0	10	1	0	203	0	88	10	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1987-1996. (CONT).

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Scallops, weathervane	6406	12017	0	767	413	1415	131468	67953	320	0
Snails & chitons.....	0	0	0	0	2	0	28	0	38	0
Squid.....	3	1	7683	0	29	1607	31242	35676	41483	36898
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	0	0	1	0	0	41	0	0
Sea anemone.....	0	0	0	0	1	0	0	0	309	0
Sea cucumber.....	0	0	0	0	1	0	6645	21068	0	0
Sea stars.....	0	0	0	0	2	0	2509	3552	2933	1329
Sea urchin, purple....	0	0	0	0	0	65849	20808	105248	21186	68
Sea urchin, red.....	51360	571083	2728272	4413286	3455874	2212906	1909015	1373040	1205180	431405
Sea urchins, other sp	0	0	0	0	1	0	100	0	0	0
Bloodworms.....	0	0	11	0	0	0	0	0	0	0
Worms, tube.....	0	314	773	0	0	0	0	0	0	0
TOTAL	94694748	97845146	77427102	71494182	62162222	74262867	60861061	65771339	77308383	82414095

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, 1996.

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	
FISH:															
Cabazon.....	0	126	1733	517	0	142	0	0	203	45	9391	9	424	0	12590
Cod, Pacific.....	0	163027	2626	0	0	16509	0	0	2906	0	0	0	0	0	185068
Flounder, arrowtooth..	0	1979604	54428	0	0	129226	0	0	288441	0	180	0	13516	0	2465395
Flounder, starry.....	2	41583	1376	0	0	6192	3654	85	6080	0	0	0	0	0	58972
Greenling sp.....	0	12	52	0	0	55	0	0	2	22	1242	24	57	0	1466
Grenadier.....	0	100517	0	0	0	80094	0	0	727049	0	0	0	29322	0	936982
Hagfish sp.....	0	13174	0	0	0	0	0	0	0	0	25123	0	0	0	38297
Halibut, California...	0	16	0	0	0	14	126	0	104	0	0	0	130	0	390
Halibut, Pacific.....	0	194972	27372	0	3115	45049	7052	4036	18817	20	7572	0	2367	0	310372
Herring, Pacific.....	0	59638	0	0	0	104359	0	7950	0	0	0	0	0	0	171947
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	31264	31264
Lingcod.....	0	557016	33113	10825	6276	558424	3157	1281	274264	710	56565	4210	64226	0	1570067
Lord, brown Irish.....	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Lord, red Irish.....	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Louvar.....	0	0	0	0	0	50	0	0	0	0	0	0	0	0	50
Mackerel, jack.....	0	148400	0	0	0	420858	0	0	666	0	0	0	0	0	569924
Mackerel, Pacific.....	0	109676	0	0	0	5998	0	0	18001	0	0	0	0	0	133675
Opah.....	0	0	0	0	0	62	0	0	0	0	0	0	0	0	62
Pacific Ocean perch...	0	792160	17446	0	0	219227	0	0	30424	0	0	0	935	0	1060192
Nominal POP.....	0	457483	78873	0	0	475473	1631	0	582931	7	7174	0	48174	0	1651746
Rockfish, black.....	0	18387	11368	54223	399	2528	0	0	2350	3054	163287	19215	34935	0	309746
Rockfish, canary.....	0	447990	14495	823	0	736269	2619	215	329947	1138	64961	566	77331	0	1676354
Rockfish, widow.....	0	2605633	121802	2	0	4054337	0	46	1320974	0	470	465	269065	0	8372794
Rockfish, yellowtail..	0	4139593	192900	129	363	2464112	8806	635	959261	40	32940	108	35642	0	7834529
Rockfish, other sp....	0	1092271	67071	2408	3171	642833	2487	4831	501643	1536	66987	16372	60199	0	2461809
Thornyhead, longspine	0	1754455	61272	0	0	720657	0	0	1680481	0	0	0	618278	0	4835143
Thornyhead, shortspine	0	486196	18538	0	0	267857	0	0	437347	0	109	0	127652	0	1337699

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1996. (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	2134265	96514	0	1007	1911085	112091	8531	1873354	0	484452	581	443184	0	7065064
Salmon, chinook.....	392691	24632	141380	2592	13047	1391234	93310	71473	302169	12887	42172	1303	120288	368	2609546
Salmon, chum.....	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Salmon, coho.....	216400	0	0	0	0	0	0	0	44	0	0	0	0	0	216444
Sanddab, Pacific.....	0	31683	1194	0	0	19212	79852	0	95360	0	0	0	1708	0	229009
Sardine, Pacific.....	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Sculpin, buffalo.....	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Sculpin, other sp.....	0	0	0	0	0	0	0	0	32	0	0	0	0	0	32
Shad, American.....	202282	117215	0	0	0	8122	0	9765	0	0	0	0	0	0	337384
Shark, blue.....	0	267	0	0	0	90	0	0	758	0	0	0	152	0	1267
Shark, Pacific sleeper	0	1697	0	0	0	60	0	0	0	0	0	0	0	0	1757
Shark, shortfin mako..	0	0	0	0	0	279	0	0	0	0	0	0	0	0	279
Shark, sixgill.....	0	0	0	0	0	45	0	0	31	0	0	0	39	0	115
Shark, soupfin.....	0	472	0	0	0	4302	0	26	643	0	0	0	20	0	5463
Shark, spiny dogfish..	0	16832	0	0	0	8988	0	0	888	0	345	0	0	0	27053
Shark, thresher.....	0	54	0	0	0	35	0	0	205	0	0	0	0	0	294
Shark, other sp.....	0	48	0	0	0	64	0	0	36	0	0	0	0	0	148
Skates and rays.....	0	498712	128467	0	0	309711	1177	0	290147	0	0	0	17072	0	1245286
Smelt (eulachon).....	7094	0	0	0	0	0	0	0	0	0	0	0	0	0	7094
Smelt, other sp.....	0	12	0	0	0	10	0	200	0	0	0	0	0	0	222
Sole, curlfin (turbot)	0	922	0	0	0	1831	271	0	1575	0	0	0	0	0	4599
Sole, Dover.....	0	4650351	353491	0	0	1370653	5888	0	3164121	0	1159	0	788950	0	10334613
Sole, English.....	0	422039	35374	0	0	194598	7898	0	193193	0	1334	0	6285	0	860721
Sole, flathead.....	0	9202	450	0	0	855	0	0	0	0	0	0	0	0	10507
Sole, petrale.....	0	504644	62735	0	0	187915	7975	0	738281	0	402	0	86303	0	1588255
Sole, rex.....	0	334640	4709	0	0	79606	2941	0	196913	0	65	0	46758	0	665632
Sole, rock.....	0	4767	672	0	0	1496	3486	0	1303	0	0	0	0	0	11724
Sole, sand.....	0	34036	11027	0	0	31179	31713	335	52058	0	0	0	22	0	160370
Steelhead.....	13473	0	0	0	0	0	0	0	0	0	0	0	0	0	13473

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1996. (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, green.....	10302	375	65	0	0	5582	324	0	226	0	0	0	0	0	16874
Sturgeon, white.....	159750	11898	0	0	0	0	0	0	0	0	0	0	0	0	171648
Sturgeon, white - roe	40	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Sunfish, ocean.....	0	0	0	0	0	18	0	0	0	0	0	0	0	0	18
Surfperch sp.....	0	0	0	0	0	1178	0	0	0	0	0	0	2250	0	3428
Swordfish.....	0	0	0	0	0	33048	0	0	2369	0	0	0	0	0	35417
Tuna, bluefin.....	0	190	0	0	0	630	0	0	134	0	0	0	0	0	954
Tuna, albacore.....	0	2256498	74850	290	468	4880615	28511	64868	1498937	22027	40380	5889	75022	0	8948355
Tuna, yellowfin.....	0	0	0	4	0	23	0	0	0	0	0	0	0	0	27
Walleye.....	2164	0	0	0	0	0	0	0	0	0	0	0	0	0	2164
Whiting, Pac. (hake)..	0	70001545	0	0	0	85466397	0	0	119869	0	0	0	0	0	155587811
Wolf-eel.....	0	125	25	0	0	472	0	0	2614	0	542	0	13	0	3791
Wrymouth, giant.....	0	1346	0	0	0	19	0	0	34	0	0	0	0	0	1399
CRUSTACEANS:															
Crab, box.....	0	26	0	0	0	3317	0	0	303	0	0	0	0	0	3646
Crab, Dungeness, bay..	0	0	0	14	0	313	0	668	1090	165	0	0	0	6295	8545
Crab, Dungeness, ocean	0	7810999	766827	16044	206540	4370419	184481	532007	1776370	598	1256657	0	2371521	755	19293218
Crab, kelp.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Crab, rock.....	0	0	0	0	0	4713	0	166	51	0	0	0	0	0	4930
Crab, Tanner.....	0	0	0	0	0	35	0	0	0	0	0	0	0	0	35
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	46951	46951
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	0	0	1513	0	1513
Shrimp, ghost.....	0	0	0	265	0	0	4205	550	1837	0	0	0	0	43279	50136
Shrimp, mud.....	0	0	0	0	0	552	0	0	0	0	0	0	0	18285	18837
Shrimp, pink.....	0	2112381	1205682	0	0	3692536	0	0	4637310	0	0	0	4078757	0	15726666
Shrimp, Sidestripe....	0	0	0	0	0	0	0	0	23	0	0	0	0	0	23
Shrimp, spot.....	0	12	3184	0	0	0	0	0	4735	0	0	0	0	0	7931

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1996. (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
MOLLUSKS:															
Clams, butter.....	0	0	1389	0	0	0	0	0	0	0	0	0	0	0	1389
Clams, cockle.....	0	0	56749	0	0	0	0	0	0	0	0	0	0	851	57600
Clams, gaper.....	0	0	2005	0	0	1429	0	0	25	0	0	0	0	0	3459
Clams, littleneck.....	0	0	3196	0	0	0	0	0	25	0	0	0	0	1276	4497
Clams, softshell.....	0	0	0	0	0	28	0	163	0	0	0	0	0	0	191
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2901	2901
Mussels, ocean.....	0	0	0	0	0	657	50	0	0	0	0	0	0	2049	2756
Octopus.....	0	2620	0	0	30	2876	66	0	1469	48	5344	0	3596	0	16049
Snails & chitons.....	0	0	0	0	0	27	0	0	0	0	0	0	0	0	27
Squid.....	0	2242	0	0	0	370	0	0	226711	0	0	0	0	0	229323
OTHER INVERTEBRATES:															
Sea stars.....	0	0	0	0	0	1467	0	0	0	0	0	0	0	0	1467
Sea urchin, purple....	0	0	0	0	0	675	0	0	0	0	0	0	0	0	675
Sea urchin, red.....	0	0	0	0	7629	9773	0	0	24558	0	445778	299590	32155	0	819483
TOTAL	1004258	106148676	3654450	88136	242045	114948898	593771	707831	22391692	42297	2714631	348332	9457861	154274	262497152

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, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	81	597	1492	863	2922	2464	788	948	834	688	800	113	12590
Cod, Pacific.....	6099	3407	5456	5349	22656	34842	29167	47885	19816	6316	2257	1818	185068
Flounder, arrowtooth..	46277	88912	95530	83300	434499	854768	288422	193708	193834	76300	61866	47979	2465395
Flounder, starry.....	0	425	5356	113	808	7093	16686	13536	9679	3881	1395	0	58972
Greenling sp.....	1	3	185	82	555	296	31	77	117	35	59	25	1466
Grenadier.....	18703	40794	74384	57569	108139	108768	110068	117486	141580	76173	63018	20300	936982
Hagfish sp.....	0	0	0	0	0	0	13174	214	0	19411	5498	0	38297
Halibut, California...	0	0	0	0	44	39	53	178	32	44	0	0	390
Halibut, Pacific.....	0	0	0	97	4156	18135	195165	90405	2384	30	0	0	310372
Herring, Pacific.....	0	68533	35642	0	1109	1700	6045	53724	5194	0	0	0	171947
Lamprey, Pacific.....	0	0	0	0	0	3462	26700	1102	0	0	0	0	31264
Lingcod.....	116950	58382	100090	84156	185546	238296	173486	176200	211907	125454	80698	18902	1570067
Lord, brown Irish.....	0	0	0	2	0	12	0	0	0	0	0	0	14
Lord, red Irish.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Louvar.....	0	0	0	0	0	0	0	0	36	0	14	0	50
Mackerel, jack.....	0	0	0	0	117144	43184	77692	174696	104047	4324	48837	0	569924
Mackerel, Pacific.....	0	0	0	0	2254	6	2061	51082	66162	6223	5887	0	133675
Opah.....	0	0	0	0	0	0	0	0	0	62	0	0	62
Pacific Ocean perch...	50136	65223	77399	96570	123622	171231	108773	104359	121938	66446	52668	21827	1060192
Nominal POP.....	57493	136109	177220	135551	199835	157873	152673	151105	146468	174015	115726	47678	1651746
Rockfish, black.....	2124	6962	21265	26332	49335	47228	56644	42493	30293	9731	15658	1681	309746
Rockfish, canary.....	51647	73552	189378	185761	233708	269728	197127	182705	156772	70875	56175	8926	1676354
Rockfish, widow.....	376714	404756	726347	626160	932273	796492	1153613	1085354	749536	621885	566436	333228	8372794
Rockfish, yellowtail..	363520	499246	752531	732456	1151412	894422	1109924	1071672	588742	357916	216885	95803	7834529
Rockfish, other sp....	93337	114073	203951	167850	377749	430421	236620	209158	224946	170891	166330	66483	2461809
Thornyhead, longspine	181530	354203	451632	360974	513395	477164	466331	428829	499115	431704	482480	187786	4835143
Thornyhead, shortspine	65917	92849	129048	102614	150650	114603	121983	106314	147073	112053	133493	61102	1337699
Sablefish.....	190554	311821	437758	350000	517740	519208	562732	484365	2522576	559186	378529	230595	7065064
Salmon, chinook.....	0	1591	0	429	250125	590385	46812	847008	661682	182598	28916	0	2609546

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, chum.....	0	0	0	0	0	0	0	0	11	49	0	0	60
Salmon, coho.....	0	0	0	0	0	44	0	2660	153426	60314	0	0	216444
Sanddab, Pacific.....	0	15669	41303	24513	12436	16634	26667	14325	9776	19791	27949	19946	229009
Sardine, Pacific.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Sculpin, buffalo.....	0	0	0	0	3	1	0	0	0	0	0	0	4
Sculpin, other sp.....	0	32	0	0	0	0	0	0	0	0	0	0	32
Shad, American.....	0	4	437	41	41458	204000	3832	80421	6815	128	248	0	337384
Shark, blue.....	0	0	63	0	0	683	238	101	182	0	0	0	1267
Shark, Pacific sleeper	0	1697	0	0	60	0	0	0	0	0	0	0	1757
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	56	223	0	279
Shark, sixgill.....	0	0	0	0	0	0	45	16	0	54	0	0	115
Shark, soupfin.....	33	76	452	0	11	177	400	123	120	34	171	3866	5463
Shark, spiny dogfish..	0	0	0	125	8382	480	93	695	283	1496	14422	1077	27053
Shark, thresher.....	0	0	205	0	0	54	0	0	0	35	0	0	294
Shark, other sp.....	0	0	0	0	0	0	0	36	48	64	0	0	148
Skates and rays.....	29552	34696	43870	37364	110240	85543	97589	193649	268733	171789	106943	65318	1245286
Smelt (eulachon).....	3054	3480	560	0	0	0	0	0	0	0	0	0	7094
Smelt, other sp.....	0	0	0	0	0	0	200	10	12	0	0	0	222
Sole, curlfin (turbot)	0	0	17	0	23	42	337	788	3008	384	0	0	4599
Sole, Dover.....	506612	834551	1225662	832702	974357	824726	752950	916555	1119688	902470	831511	612829	10334613
Sole, English.....	16309	40100	77307	42054	111934	136333	108651	138460	86944	50783	34643	17203	860721
Sole, flathead.....	20	0	0	42	534	345	1189	448	6814	1021	94	0	10507
Sole, petrale.....	296982	301085	125737	49531	105322	110681	74667	55643	60598	40784	96958	270267	1588255
Sole, rex.....	29640	50141	46197	30222	77122	64672	64636	85269	85902	49585	52606	29640	665632
Sole, rock.....	0	3	0	0	323	776	1134	2457	6854	120	57	0	11724
Sole, sand.....	0	80	1523	315	5458	13220	18842	42539	62362	10613	5390	28	160370
Steelhead.....	0	0	478	0	0	0	0	0	12995	0	0	0	13473
Sturgeon, green.....	0	0	28	0	318	94	0	203	10401	3311	2519	0	16874
Sturgeon, white.....	3011	15376	7732	8795	17997	3626	21	9210	66709	36845	2326	0	171648
Sturgeon, white - roe	5	0	12	23	0	0	0	0	0	0	0	0	40

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sunfish, ocean.....	0	0	0	0	0	0	18	0	0	0	0	0	18
Surfperch sp.....	124	149	119	1243	457	778	10	292	195	52	9	0	3428
Swordfish.....	0	0	0	0	0	0	0	0	2518	30374	2525	0	35417
Tuna, bluefin.....	0	0	0	0	0	0	0	0	370	584	0	0	954
Tuna, albacore.....	0	0	0	0	0	29417	733135	3479566	3703487	887544	115206	0	8948355
Tuna, yellowfin.....	0	0	0	0	0	0	23	0	4	0	0	0	27
Walleye.....	0	0	2150	0	0	0	0	0	14	0	0	0	2164
Whiting, Pac. (hake)..	0	0	0	10081	11470028	28900371	49032838	50486152	15654287	10107	17416	6531	155587811
Wolf-eel.....	0	21	27	92	783	839	689	699	358	225	58	0	3791
Wrymouth, giant.....	0	0	21	13	106	300	19	163	300	177	300	0	1399
CRUSTACEANS:													
Crab, box.....	243	726	303	0	26	0	0	0	0	0	2289	59	3646
Crab, Dungeness, bay..	10	0	0	0	0	14	0	0	1903	4266	2352	0	8545
Crab, Dungeness, ocean	8674013	3143804	1238266	577856	467011	258553	210026	136261	0	0	0	4587428	19293218
Crab, kelp.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Crab, rock.....	637	71	944	674	721	292	234	8	7	1021	321	0	4930
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0	35	0	35
Crayfish.....	0	0	0	1931	5783	8076	11610	6727	8802	4022	0	0	46951
Shrimp, coonstripe....	0	0	63	67	94	0	0	0	0	129	598	562	1513
Shrimp, ghost.....	3190	1229	4399	3888	6246	6347	5302	6325	6186	4211	1914	899	50136
Shrimp, mud.....	6890	2245	4350	1351	650	124	50	0	0	0	1113	2064	18837
Shrimp, pink.....	0	0	0	1756565	3393513	4071872	2390126	2182817	1466143	450402	15228	0	15726666
Shrimp, Sidestripe....	0	0	0	0	23	0	0	0	0	0	0	0	23
Shrimp, spot.....	0	4394	79	0	138	1721	0	109	52	0	865	573	7931
MOLLUSKS:													
Clams, butter.....	0	30	0	20	90	475	95	209	240	210	10	10	1389
Clams, cockle.....	8520	4527	11045	4447	4485	2990	825	1011	4496	8603	4942	1709	57600
Clams, gaper.....	0	0	848	0	0	0	1415	981	35	155	15	10	3459
Clams, littleneck....	0	20	0	155	691	894	892	1004	321	292	105	123	4497
Clams, softshell.....	0	0	40	0	0	47	66	0	7	16	15	0	191

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, razor.....	23	52	0	0	1439	797	0	0	400	78	112	0	2901
Mussels, ocean.....	114	0	140	823	601	180	0	580	318	0	0	0	2756
Octopus.....	523	997	1654	945	1880	2058	2099	1282	615	298	225	3473	16049
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0	0	27	27
Squid.....	8	31	31668	18647	144142	20815	228	12952	105	294	433	0	229323
OTHER INVERTEBRATES:													
Sea stars.....	0	0	280	0	224	228	34	94	35	251	214	107	1467
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	675	0	0	675
Sea urchin, red.....	61949	34720	62670	38304	58165	36142	9924	45143	92681	126062	156062	97661	819483
TOTAL	11262545	6811444	6415313	6459057	22402962	40587285	58703919	63540586	29510323	5956015	3982047	6865656	262497152

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1996. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BELOW BONNEVILLE DAM													
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Salmon, chinook.....	0	1591	0	429	7727	1265	0	54983	139868	34138	0	0	240001
Salmon, chum.....	0	0	0	0	0	0	0	0	11	49	0	0	60
Salmon, coho.....	0	0	0	0	0	0	0	2660	152457	60314	0	0	215431
Shad, American.....	0	0	0	0	15430	143351	0	0	0	0	0	0	158781
Smelt (eulachon).....	3054	3480	560	0	0	0	0	0	0	0	0	0	7094
Sturgeon, green.....	0	0	0	0	22	0	0	45	9823	412	0	0	10302
Sturgeon, white.....	0	14629	0	1971	8606	3626	0	9210	66405	27294	0	0	131741
TOTAL	3054	19700	560	2400	31785	148242	0	66898	368566	122207	0	0	763412
ABOVE BONNEVILLE DAM													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	152690	0	0	0	152690
Salmon, coho.....	0	0	0	0	0	0	0	0	969	0	0	0	969
Shad, American.....	0	0	0	0	0	43501	0	0	0	0	0	0	43501
Steelhead.....	0	0	478	0	0	0	0	0	12995	0	0	0	13473
Sturgeon, white.....	3011	747	7732	6824	9391	0	0	0	304	0	0	0	28009
Sturgeon, white - roe	5	0	12	23	0	0	0	0	0	0	0	0	40
Walleye.....	0	0	2150	0	0	0	0	0	14	0	0	0	2164
TOTAL	3016	747	10372	6847	9391	43501	0	0	166972	0	0	0	240846
TOTAL	6070	20447	10932	9247	41176	191743	0	66898	535538	122207	0	0	1004258

1/ OREGON LANDINGS ONLY.

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1996. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	40	0	11	45	30	0	0	0	0	0	126
Cod, Pacific.....	5746	3035	5168	4468	18946	31088	24454	45360	15263	5529	2164	1806	163027
Flounder, arrowtooth..	25043	52360	58501	57910	361981	808775	234377	139447	144917	40601	31199	24493	1979604
Flounder, starry.....	0	425	5356	113	532	6768	15050	9150	2697	638	854	0	41583
Greenling sp.....	0	0	0	0	0	0	0	0	12	0	0	0	12
Grenadier.....	150	1119	2759	3368	10631	7625	20212	17291	21863	9243	5569	687	100517
Hagfish sp.....	0	0	0	0	0	0	13174	0	0	0	0	0	13174
Halibut, California...	0	0	0	0	0	16	0	0	0	0	0	0	16
Halibut, Pacific.....	0	0	0	0	0	11804	90379	90405	2384	0	0	0	194972
Herring, Pacific.....	0	0	0	0	1093	0	2003	51372	5170	0	0	0	59638
Lingcod.....	87259	12042	36605	31400	54111	87793	64344	77915	72033	18388	8502	6624	557016
Mackerel, jack.....	0	0	0	0	116698	7066	19374	3937	0	714	611	0	148400
Mackerel, Pacific.....	0	0	0	0	0	0	2061	49987	57628	0	0	0	109676
Pacific Ocean perch...	33374	47944	59204	65219	98101	130185	83497	82458	90053	50112	31088	20925	792160
Nominal POP.....	10423	13744	22051	24387	63425	61088	52957	70470	58829	59047	12902	8160	457483
Rockfish, black.....	0	0	600	463	1510	6166	3284	892	1704	1173	2595	0	18387
Rockfish, canary.....	9308	9086	45465	57714	51649	67129	56094	66240	52423	17009	12394	3479	447990
Rockfish, widow.....	65780	91841	169177	122668	220845	258546	407483	459772	355179	202315	172744	79283	2605633
Rockfish, yellowtail..	193841	223593	395294	369189	611692	404490	582563	694824	325222	187148	87438	64299	4139593
Rockfish, other sp....	41936	33900	100611	68791	180742	196328	117084	93916	94517	70662	57963	35821	1092271
Thornyhead, longspine	61328	85827	148919	148599	221580	188869	186582	159763	192645	158896	150289	51158	1754455
Thornyhead, shortspine	23513	29021	49100	40744	54432	45232	45506	42655	52685	41901	42064	19343	486196
Sablefish.....	69407	124921	165776	130482	185816	161856	187015	188649	561124	175521	104512	79186	2134265
Salmon, chinook.....	0	0	0	0	0	8483	15228	258	131	0	532	0	24632
Sanddab, Pacific.....	0	8165	1919	1315	469	43	1321	10876	6163	770	442	200	31683
Shad, American.....	0	4	437	41	24184	2474	2650	80336	6815	26	248	0	117215
Shark, blue.....	0	0	0	0	0	29	238	0	0	0	0	0	267
Shark, Pacific sleeper	0	1697	0	0	0	0	0	0	0	0	0	0	1697
Shark, soupfin.....	0	0	32	0	0	0	336	60	0	0	44	0	472

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1996. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, spiny dogfish..	0	0	0	125	8176	73	93	695	222	0	7448	0	16832
Shark, thresher.....	0	0	0	0	0	54	0	0	0	0	0	0	54
Shark, other sp.....	0	0	0	0	0	0	0	0	48	0	0	0	48
Skates and rays.....	21328	15239	19675	18433	42540	45221	50785	99826	76033	51374	34279	23979	498712
Smelt, other sp.....	0	0	0	0	0	0	0	0	12	0	0	0	12
Sole, curlfin (turbot)	0	0	17	0	23	42	317	521	2	0	0	0	922
Sole, Dover.....	250588	381315	619882	385620	437285	402933	322207	430967	481190	338181	316834	283349	4650351
Sole, English.....	8008	24169	34055	13892	31888	62507	57724	94993	43479	25504	15776	10044	422039
Sole, flathead.....	20	0	0	42	534	345	1189	445	5614	919	94	0	9202
Sole, petrale.....	127105	123658	32839	5090	14060	45216	17550	25669	22561	14749	19956	56191	504644
Sole, rex.....	8938	7410	11633	12929	42599	36321	41520	64312	48850	22149	28205	9774	334640
Sole, rock.....	0	3	0	0	35	119	509	188	3913	0	0	0	4767
Sole, sand.....	0	80	1523	315	3626	8814	7579	6111	1638	1686	2664	0	34036
Sturgeon, green.....	0	0	28	0	0	21	0	0	0	291	35	0	375
Sturgeon, white.....	0	0	0	0	0	0	21	0	0	9551	2326	0	11898
Tuna, bluefin.....	0	0	0	0	0	0	0	0	190	0	0	0	190
Tuna, albacore.....	0	0	0	0	0	22938	119646	919271	779040	363842	51761	0	2256498
Whiting, Pac. (hake)..	0	0	0	0	6428103	12128157	20951965	22038273	8428253	10068	16726	0	70001545
Wolf-eel.....	0	0	0	0	7	16	32	59	11	0	0	0	125
Wrymouth, giant.....	0	0	9	13	99	300	8	150	290	177	300	0	1346
CRUSTACEANS:													
Crab, box.....	0	0	0	0	26	0	0	0	0	0	0	0	26
Crab, Dungeness, ocean	3866164	1147602	543976	191013	131097	50252	24850	14902	0	0	0	1841143	7810999
Shrimp, pink.....	0	0	0	99706	371256	219318	456080	419434	385234	154513	6840	0	2112381
Shrimp, spot.....	0	0	0	0	12	0	0	0	0	0	0	0	12
MOLLUSKS:													
Octopus.....	0	125	34	0	267	529	729	518	202	93	89	34	2620
Squid.....	8	31	11	44	258	273	216	661	13	294	433	0	2242
TOTAL	4909267	2438356	2530696	1854093	9790339	15515347	24280316	26553028	12396252	2033084	1227920	2619978	106148676

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, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, razor.....	23	52	0	0	1439	797	0	0	400	78	112	0	2901
TOTAL	23	52	0	0	1439	797	0	0	400	78	112	0	2901

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	150	137	0	0	0	287
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	67	97	71	0	235
Crab, Dungeness, ocean	0	0	0	0	135	0	320	300	0	0	0	0	755
Shrimp, ghost.....	8	12	36	67	100	80	151	140	284	338	0	0	1216
MOLLUSKS:													
Clams, littleneck.....	0	0	0	35	140	284	177	492	35	0	0	113	1276
Mussels, ocean.....	0	0	0	0	0	50	0	0	100	0	0	0	150
TOTAL	8	12	36	102	375	414	648	1082	623	435	71	113	3919

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	198	247	8	112	625	428	82	19	6	8	0	1733
Cod, Pacific.....	103	110	65	761	351	497	496	147	79	7	10	0	2626
Flounder, arrowtooth..	3154	3818	6671	5685	12380	6367	4853	3598	4269	1714	1919	0	54428
Flounder, starry.....	0	0	0	0	0	0	680	510	186	0	0	0	1376
Greenling sp.....	0	0	23	0	0	29	0	0	0	0	0	0	52
Halibut, Pacific.....	0	0	0	0	0	46	27326	0	0	0	0	0	27372
Lingcod.....	102	163	1239	1592	8339	5865	7840	4416	2512	628	174	243	33113
Pacific Ocean perch...	0	208	180	4972	2938	3531	495	3596	1526	0	0	0	17446
Nominal POP.....	1516	3331	17870	18203	13595	9172	5669	4594	4271	652	0	0	78873
Rockfish, black.....	0	120	291	670	4146	947	1154	1738	1692	401	209	0	11368
Rockfish, canary.....	283	163	684	1422	1039	5712	2700	485	1957	44	6	0	14495
Rockfish, widow.....	4814	471	32215	13231	15434	5335	26007	5365	18930	0	0	0	121802
Rockfish, yellowtail..	8295	18128	32081	21247	52127	22816	25116	4902	8008	174	6	0	192900
Rockfish, other sp....	292	441	3095	11474	27860	13961	2345	4959	1486	854	304	0	67071
Thornyhead, longspine	0	4728	13714	10478	10743	7053	3605	8256	1587	0	1108	0	61272
Thornyhead, shortspine	305	1389	2318	2069	2832	2542	747	2281	2335	1720	0	0	18538
Sablefish.....	826	7390	12269	16789	13417	12401	11857	10785	7287	1803	1690	0	96514
Salmon, chinook.....	0	0	0	0	4196	73388	91	9878	39228	14599	0	0	141380
Sanddab, Pacific.....	0	0	435	0	409	0	214	0	2	0	134	0	1194
Skates and rays.....	0	323	1464	2545	43976	20200	24407	8816	12506	8074	6156	0	128467
Sole, Dover.....	5178	23220	52290	52451	72927	32434	41316	21078	31111	17092	4394	0	353491
Sole, English.....	0	116	655	1620	4906	11028	8597	1941	1514	437	4560	0	35374
Sole, flathead.....	0	0	0	0	0	0	0	3	345	102	0	0	450
Sole, petrale.....	898	142	1441	1620	21449	19894	12467	1252	1379	877	1316	0	62735
Sole, rex.....	0	26	615	783	518	227	1445	60	749	175	111	0	4709
Sole, rock.....	0	0	0	0	0	0	0	588	84	0	0	0	672
Sole, sand.....	0	0	0	0	0	2	5169	4469	1387	0	0	0	11027
Sturgeon, green.....	0	0	0	0	0	0	0	12	53	0	0	0	65
Tuna, albacore.....	0	0	0	0	0	0	0	42279	32571	0	0	0	74850

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Wolf-eel.....	0	0	0	0	0	0	25	0	0	0	0	0	25
CRUSTACEANS:													
Crab, Dungeness, ocean	292282	140523	78255	27336	31804	23395	17935	13467	0	0	0	141830	766827
Shrimp, pink.....	0	0	0	58349	311503	213393	237800	210152	134130	40355	0	0	1205682
Shrimp, spot.....	0	0	0	0	126	1620	0	0	0	0	865	573	3184
MOLLUSKS:													
Clams, butter.....	0	30	0	20	90	475	95	209	240	210	10	10	1389
Clams, cockle.....	8520	4527	11045	4447	4485	2990	825	1011	4496	8603	4942	858	56749
Clams, gaper.....	0	0	0	0	0	0	1215	575	35	155	15	10	2005
Clams, littleneck.....	0	20	0	120	526	610	715	512	286	292	105	10	3196
TOTAL	326568	209585	269162	257892	662228	496555	473634	372016	316260	98974	28042	143534	3654450

TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	81	0	0	0	0	0	0	81
CRUSTACEANS:													
Shrimp, mud.....	6674	2214	3987	1245	620	100	50	0	0	0	1113	2064	18067
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	0	851	851
TOTAL	6674	2214	3987	1245	620	181	50	0	0	0	1113	2915	18999

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	11	41	0	14	108	245	83	8	0	7	517
Lingcod.....	0	9	1072	757	2731	1255	1024	1332	1952	406	215	72	10825
Rockfish, black.....	0	36	2007	1442	4161	7724	13037	12808	11847	1010	136	15	54223
Rockfish, canary.....	0	0	16	0	227	0	47	189	340	4	0	0	823
Rockfish, widow.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Rockfish, yellowtail..	0	0	0	0	0	0	3	0	126	0	0	0	129
Rockfish, other sp....	0	0	1	429	385	287	48	672	559	5	15	7	2408
Salmon, chinook.....	0	0	0	0	0	116	0	730	1477	269	0	0	2592
Tuna, albacore.....	0	0	0	0	0	0	0	0	290	0	0	0	290
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	4	0	0	0	4
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	14	0	0	14
Crab, Dungeness, ocean	0	64	486	1351	2088	2895	6802	2358	0	0	0	0	16044
Shrimp, ghost.....	0	0	0	0	0	0	15	15	235	0	0	0	265
TOTAL	0	109	3593	4020	9592	12291	21084	18349	16915	1716	366	101	88136

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1996.

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 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	3115	0	0	0	0	0	3115
Lingcod.....	0	0	327	1250	1794	1006	180	734	675	189	109	12	6276
Rockfish, black.....	0	0	0	0	16	383	0	0	0	0	0	0	399
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	363	0	363
Rockfish, other sp....	0	0	44	33	215	606	16	14	332	6	1491	414	3171
Sablefish.....	0	0	0	0	0	0	642	80	285	0	0	0	1007
Salmon, chinook.....	0	0	0	0	5141	4929	383	1349	824	421	0	0	13047
Tuna, albacore.....	0	0	0	0	0	0	0	0	468	0	0	0	468
CRUSTACEANS:													
Crab, Dungeness, ocean	64266	54086	14666	8987	12645	7291	8622	2932	0	0	0	33045	206540
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	0	0	30	30
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	2232	0	50	2422	0	1755	0	0	0	1170	7629
TOTAL	64266	54086	17269	10270	19861	16637	12958	6864	2584	616	1963	34671	242045

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	6	19	19	55	9	0	0	0	0	34	142
Cod, Pacific.....	250	262	223	115	3359	3246	1677	2281	4244	757	83	12	16509
Flounder, arrowtooth..	3219	8170	6881	3434	12623	13959	24991	15372	11943	12493	13796	2345	129226
Flounder, starry.....	0	0	0	0	12	3	0	216	2723	2727	511	0	6192
Greenling sp.....	0	3	10	0	0	22	15	0	5	0	0	0	55
Grenadier.....	532	694	8305	851	1129	18681	12380	7857	11829	8509	8410	917	80094
Halibut, California...	0	0	0	0	0	0	0	0	0	14	0	0	14
Halibut, Pacific.....	0	0	0	0	3938	5191	35890	0	0	30	0	0	45049
Herring, Pacific.....	0	68533	35642	0	16	0	142	2	24	0	0	0	104359
Lingcod.....	22877	20949	30882	21634	68069	118725	50125	53327	95214	41904	34075	643	558424
Lord, brown Irish.....	0	0	0	2	0	12	0	0	0	0	0	0	14
Lord, red Irish.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Louvar.....	0	0	0	0	0	0	0	0	36	0	14	0	50
Mackerel, jack.....	0	0	0	0	446	36118	58102	170759	104047	3161	48225	0	420858
Mackerel, Pacific.....	0	0	0	0	1043	6	0	1095	1786	660	1408	0	5998
Opah.....	0	0	0	0	0	0	0	0	0	62	0	0	62
Pacific Ocean perch...	11628	13462	12558	20257	15730	37359	23945	17232	30219	16334	20221	282	219227
Nominal POP.....	27084	59043	57293	42546	46409	56052	33630	25440	35400	24932	64593	3051	475473
Rockfish, black.....	0	151	401	325	248	858	306	0	16	223	0	0	2528
Rockfish, canary.....	38822	50213	86909	61545	106718	132849	88015	62292	64750	21287	22002	867	736269
Rockfish, widow.....	260408	203953	255383	303316	509890	491106	637217	481186	272544	191439	252784	195111	4054337
Rockfish, yellowtail..	125086	175896	147983	198141	393714	349639	401258	255859	200014	140519	72445	3558	2464112
Rockfish, other sp....	24955	25621	40015	46198	81296	118283	59590	52382	79221	47749	60382	7141	642833
Thornyhead, longspine	8738	54395	54782	45328	77278	93560	84829	76538	68772	58307	76067	22063	720657
Thornyhead, shortspine	8539	17801	22547	19180	28160	27748	27460	21659	25967	26088	31397	11311	267857
Sablefish.....	32209	59755	76919	55189	126333	159031	137358	87582	898910	135059	92284	50456	1911085
Salmon, chinook.....	0	0	0	0	192742	322364	22814	543135	206719	91295	12165	0	1391234
Sanddab, Pacific.....	0	0	578	0	1034	0	15147	160	937	46	1309	1	19212
Sardine, Pacific.....	0	0	0	0	10	0	0	0	0	0	0	0	10

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sculpin, buffalo.....	0	0	0	0	3	1	0	0	0	0	0	0	4
Shad, American.....	0	0	0	0	0	6753	1182	85	0	102	0	0	8122
Shark, blue.....	0	0	0	0	0	0	0	60	30	0	0	0	90
Shark, Pacific sleeper	0	0	0	0	60	0	0	0	0	0	0	0	60
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	56	223	0	279
Shark, sixgill.....	0	0	0	0	0	0	45	0	0	0	0	0	45
Shark, soupfin.....	0	24	30	0	0	119	64	16	76	0	107	3866	4302
Shark, spiny dogfish..	0	0	0	0	206	407	0	0	61	1496	6532	286	8988
Shark, thresher.....	0	0	0	0	0	0	0	0	0	35	0	0	35
Shark, other sp.....	0	0	0	0	0	0	0	0	0	64	0	0	64
Skates and rays.....	0	361	1175	237	299	430	6131	55578	118729	70139	39014	17618	309711
Smelt, other sp.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	1612	219	0	0	1831
Sole, Dover.....	22764	68022	127645	86701	154378	125267	119723	151725	174649	130649	148495	60635	1370653
Sole, English.....	3407	2691	21978	16128	52605	27391	13733	16130	17954	14184	5867	2530	194598
Sole, flathead.....	0	0	0	0	0	0	0	0	855	0	0	0	855
Sole, petrale.....	16384	16045	23503	17843	31616	14846	12653	16048	9034	6585	11185	12173	187915
Sole, rex.....	787	3670	6075	3423	10361	10294	6912	6787	16252	7799	5123	2123	79606
Sole, rock.....	0	0	0	0	0	0	0	118	1292	86	0	0	1496
Sole, sand.....	0	0	0	0	286	571	0	934	20591	6328	2463	6	31179
Sturgeon, green.....	0	0	0	0	38	0	0	0	452	2608	2484	0	5582
Sunfish, ocean.....	0	0	0	0	0	0	18	0	0	0	0	0	18
Surfperch sp.....	0	0	0	0	366	778	8	0	11	6	9	0	1178
Swordfish.....	0	0	0	0	0	0	0	0	2518	28005	2525	0	33048
Tuna, bluefin.....	0	0	0	0	0	0	0	0	180	450	0	0	630
Tuna, albacore.....	0	0	0	0	0	6479	584841	2224023	1764155	239416	61701	0	4880615
Tuna, yellowfin.....	0	0	0	0	0	0	23	0	0	0	0	0	23
Whiting, Pac. (hake)..	0	0	0	8486	5041694	16770712	28070873	28348598	7226034	0	0	0	85466397
Wolf-eel.....	0	0	0	14	38	50	47	5	208	110	0	0	472
Wrymouth, giant.....	0	0	12	0	7	0	0	0	0	0	0	0	19

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, box.....	243	726	0	0	0	0	0	0	0	0	2289	59	3317
Crab, Dungeness, bay..	10	0	0	0	0	14	0	0	35	30	224	0	313
Crab, Dungeness, ocean	1667351	840740	200481	115065	72787	41109	28380	17824	0	0	0	1386682	4370419
Crab, kelp.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Crab, rock.....	637	71	729	674	721	292	234	6	7	1021	321	0	4713
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0	35	0	35
Shrimp, mud.....	35	0	363	100	30	24	0	0	0	0	0	0	552
Shrimp, pink.....	0	0	0	497490	689717	721718	559706	602146	502675	119084	0	0	3692536
MOLLUSKS:													
Clams, gaper.....	0	0	848	0	0	0	175	406	0	0	0	0	1429
Clams, softshell.....	0	0	28	0	0	0	0	0	0	0	0	0	28
Mussels, ocean.....	0	0	140	517	0	0	0	0	0	0	0	0	657
Octopus.....	204	188	636	111	335	289	227	283	193	205	10	195	2876
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0	0	27	27
Squid.....	0	0	0	0	226	0	12	40	92	0	0	0	370
OTHER INVERTEBRATES:													
Sea stars.....	0	0	280	0	224	228	34	94	35	251	214	107	1467
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	675	0	0	675
Sea urchin, red.....	0	0	0	0	6103	3550	0	0	0	120	0	0	9773
TOTAL	2276169	1691439	1221240	1564869	7732318	19716193	31119921	33315290	11973050	1453318	1100992	1784099	114948898

TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPOR, 1996.

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	1487	2993	1580	0	6060
Shrimp, ghost.....	3077	1087	2556	2728	5101	5752	4961	5569	5036	3543	1754	899	42063
Shrimp, mud.....	181	31	0	6	0	0	0	0	0	0	0	0	218
TOTAL	3258	1118	2556	2734	5101	5752	4961	5569	6523	6536	3334	899	48341

TABLE 15A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT YACHATS, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	114	0	0	256	601	130	0	580	218	0	0	0	1899
TOTAL	114	0	0	256	601	130	0	580	218	0	0	0	1899

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	264	322	681	1893	451	13	30	0	3654
Halibut, California...	0	0	0	0	44	23	41	14	4	0	0	0	126
Halibut, Pacific.....	0	0	0	0	106	562	6384	0	0	0	0	0	7052
Lingcod.....	0	0	0	155	2615	154	41	30	59	103	0	0	3157
Nominal POP.....	0	0	0	228	1032	331	0	0	0	0	40	0	1631
Rockfish, canary.....	0	0	0	25	223	2244	97	0	7	23	0	0	2619
Rockfish, yellowtail..	0	0	0	229	619	1842	228	2491	2609	788	0	0	8806
Rockfish, other sp....	0	0	0	18	277	1392	23	560	130	87	0	0	2487
Sablefish.....	0	0	0	0	0	801	220	400	103865	6805	0	0	112091
Salmon, chinook.....	0	0	0	0	3742	14984	321	40372	27070	6821	0	0	93310
Sanddab, Pacific.....	0	0	0	12194	10358	16019	9064	3203	2674	13639	12701	0	79852
Skates and rays.....	0	0	0	92	25	364	22	333	296	45	0	0	1177
Sole, curlfin (turbot)	0	0	0	0	0	0	0	34	237	0	0	0	271
Sole, Dover.....	0	0	0	1011	1727	1352	175	95	217	1181	130	0	5888
Sole, English.....	0	0	0	1094	321	2423	698	872	1842	335	313	0	7898
Sole, petrale.....	0	0	0	2955	1859	1183	555	373	278	452	320	0	7975
Sole, rex.....	0	0	0	0	0	871	977	473	620	0	0	0	2941
Sole, rock.....	0	0	0	0	286	657	625	1563	292	17	46	0	3486
Sole, sand.....	0	0	0	0	1546	3833	4302	11351	10242	176	263	0	31713
Sturgeon, green.....	0	0	0	0	201	73	0	0	50	0	0	0	324
Tuna, albacore.....	0	0	0	0	0	0	0	121	28357	33	0	0	28511
CRUSTACEANS:													
Crab, Dungeness, ocean	6826	16942	20041	24068	25629	21263	26234	23509	0	0	0	19969	184481
Shrimp, ghost.....	0	0	1697	951	805	220	0	216	171	145	0	0	4205
MOLLUSKS:													
Mussels, ocean.....	0	0	0	50	0	0	0	0	0	0	0	0	50
Octopus.....	0	0	0	66	0	0	0	0	0	0	0	0	66
TOTAL	6826	16942	21738	43136	51679	70913	50688	87903	179471	30663	13843	19969	593771

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	0	85	0	0	0	85
Halibut, Pacific.....	0	0	0	0	76	495	3465	0	0	0	0	0	4036
Herring, Pacific.....	0	0	0	0	0	1700	3900	2350	0	0	0	0	7950
Lingcod.....	51	0	0	692	310	173	38	17	0	0	0	0	1281
Rockfish, canary.....	5	0	0	210	0	0	0	0	0	0	0	0	215
Rockfish, widow.....	46	0	0	0	0	0	0	0	0	0	0	0	46
Rockfish, yellowtail..	0	0	0	15	0	119	0	475	26	0	0	0	635
Rockfish, other sp....	0	0	0	303	758	3313	92	357	8	0	0	0	4831
Sablefish.....	0	0	0	0	0	0	848	1329	5	6349	0	0	8531
Salmon, chinook.....	0	0	0	0	4824	29060	1626	25877	9525	561	0	0	71473
Shad, American.....	0	0	0	0	1844	7921	0	0	0	0	0	0	9765
Shark, soupfin.....	0	0	0	0	0	26	0	0	0	0	0	0	26
Smelt, other sp.....	0	0	0	0	0	0	200	0	0	0	0	0	200
Sole, sand.....	0	0	0	0	0	0	0	0	335	0	0	0	335
Tuna, albacore.....	0	0	0	0	0	0	0	44106	15757	5005	0	0	64868
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	34	444	190	0	668
Crab, Dungeness, ocean	124004	78497	43416	35613	29100	9884	13947	17320	0	0	0	180226	532007
Crab, rock.....	0	0	166	0	0	0	0	0	0	0	0	0	166
Shrimp, ghost.....	0	0	0	0	0	50	0	250	250	0	0	0	550
MOLLUSKS:													
Clams, softshell.....	0	0	12	0	0	47	66	0	7	16	15	0	163
TOTAL	124106	78497	43594	36833	36912	52788	24182	92081	26032	12375	205	180226	707831

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	27	31	0	103	0	42	0	0	203
Cod, Pacific.....	0	0	0	5	0	11	2540	97	230	23	0	0	2906
Flounder, arrowtooth..	14861	23308	22980	13949	46728	24388	24199	32373	32211	20097	13947	19400	288441
Flounder, starry.....	0	0	0	0	0	0	275	1767	3535	503	0	0	6080
Greenling sp.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Grenadier.....	16212	32792	56199	48124	94630	82093	77476	89961	107639	58219	45943	17761	727049
Halibut, California...	0	0	0	0	0	0	12	34	28	30	0	0	104
Halibut, Pacific.....	0	0	0	97	16	0	18704	0	0	0	0	0	18817
Lingcod.....	4942	18723	16840	13494	28645	15620	41265	29910	29749	48265	19806	7005	274264
Mackerel, jack.....	0	0	0	0	0	0	216	0	0	449	1	0	666
Mackerel, Pacific.....	0	0	0	0	1211	0	0	0	6748	5563	4479	0	18001
Pacific Ocean perch...	5134	3609	5457	5187	6853	156	836	1073	140	0	1359	620	30424
Nominal POP.....	13325	59109	78566	46761	70428	24505	51808	48770	37092	83191	33550	35826	582931
Rockfish, black.....	44	32	170	0	926	184	36	419	362	170	7	0	2350
Rockfish, canary.....	1477	12084	49950	49495	47746	29660	34641	39435	23251	23236	14806	4166	329947
Rockfish, widow.....	35772	101849	189445	181240	182578	32145	80319	136380	73944	139029	109845	58428	1320974
Rockfish, yellowtail..	34446	80740	173340	138071	79793	97460	95614	108931	46752	24211	52542	27361	959261
Rockfish, other sp....	22517	50221	54263	31210	65425	69132	45253	38769	35662	38363	31140	19688	501643
Thornyhead, longspine	90841	152512	163624	122732	130892	139797	150417	144184	171834	150750	179800	83098	1680481
Thornyhead, shortspine	27272	33040	38256	32629	50975	28686	39433	33755	54527	30653	45349	22772	437347
Sablefish.....	69116	84319	132909	118401	133991	131184	172641	147716	548936	130112	124959	79070	1873354
Salmon, chinook.....	0	0	0	0	11530	92549	4946	133224	57152	2575	193	0	302169
Salmon, coho.....	0	0	0	0	0	44	0	0	0	0	0	0	44
Sanddab, Pacific.....	0	7504	38371	10546	116	67	407	86	0	5290	13228	19745	95360
Sculpin, other sp.....	0	32	0	0	0	0	0	0	0	0	0	0	32
Shark, blue.....	0	0	63	0	0	654	0	41	0	0	0	0	758
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	31	0	0	31
Shark, soupfin.....	33	52	390	0	11	32	0	47	44	34	0	0	643
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	97	791	888

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	205	0	0	0	0	0	0	0	0	0	205
Shark, other sp.....	0	0	0	0	0	0	0	36	0	0	0	0	36
Skates and rays.....	8224	18773	21506	14803	23021	19288	16244	28655	59939	37022	22960	19712	290147
Sole, curlfin (turbot)	0	0	0	0	0	0	20	233	1157	165	0	0	1575
Sole, Dover.....	201253	282275	346697	271539	252045	201057	217898	266137	333996	314460	269303	207461	3164121
Sole, English.....	4670	13042	20244	8624	22002	30798	26941	23059	21385	9942	7912	4574	193193
Sole, petrale.....	152253	153478	60491	21571	27037	25200	21044	11848	17483	10621	54498	182757	738281
Sole, rex.....	14946	31796	22589	11555	19628	13747	11751	11649	16326	15812	15190	11924	196913
Sole, rock.....	0	0	0	0	2	0	0	0	1273	17	11	0	1303
Sole, sand.....	0	0	0	0	0	0	1792	19674	28169	2423	0	0	52058
Sturgeon, green.....	0	0	0	0	57	0	0	146	23	0	0	0	226
Swordfish.....	0	0	0	0	0	0	0	0	0	2369	0	0	2369
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	134	0	0	134
Tuna, albacore.....	0	0	0	0	0	0	27435	231888	972341	265529	1744	0	1498937
Whiting, Pac. (hake)..	0	0	0	1595	231	1502	10000	99281	0	39	690	6531	119869
Wolf-eel.....	0	21	27	46	613	625	493	606	102	71	10	0	2614
Wrymouth, giant.....	0	0	0	0	0	0	11	13	10	0	0	0	34
CRUSTACEANS:													
Crab, box.....	0	0	303	0	0	0	0	0	0	0	0	0	303
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	193	656	241	0	1090
Crab, Dungeness, ocean	707276	287664	110907	44703	53805	36456	36474	24316	0	0	0	474769	1776370
Crab, rock.....	0	0	49	0	0	0	0	2	0	0	0	0	51
Shrimp, ghost.....	105	130	110	142	240	245	175	135	210	185	160	0	1837
Shrimp, pink.....	0	0	0	758576	1031283	1476010	605990	440532	260639	55892	8388	0	4637310
Shrimp, Sidestripe....	0	0	0	0	23	0	0	0	0	0	0	0	23
Shrimp, spot.....	0	4394	79	0	0	101	0	109	52	0	0	0	4735
MOLLUSKS:													
Clams, gaper.....	0	0	0	0	0	0	25	0	0	0	0	0	25
Clams, littleneck.....	0	0	0	0	25	0	0	0	0	0	0	0	25

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Octopus.....	63	80	191	49	54	337	232	76	85	0	37	265	1469
Squid.....	0	0	31657	18603	143658	20542	0	12251	0	0	0	0	226711
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	0	7557	11704	3376	935	986	0	0	0	24558
TOTAL	1424782	1451579	1635878	1963747	2533802	2606010	1820939	2158656	2944207	1476173	1072195	1303724	22391692

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	0	0	21	24	0	0	0	45
Greenling sp.....	0	0	0	0	0	0	0	4	18	0	0	0	22
Halibut, Pacific.....	0	0	0	0	20	0	0	0	0	0	0	0	20
Lingcod.....	0	0	0	65	213	10	8	160	254	0	0	0	710
Nominal POP.....	0	0	0	0	0	0	0	0	7	0	0	0	7
Rockfish, black.....	0	0	0	0	0	816	0	718	1520	0	0	0	3054
Rockfish, canary.....	0	0	0	0	0	0	148	843	147	0	0	0	1138
Rockfish, yellowtail..	0	0	0	0	0	0	0	28	12	0	0	0	40
Rockfish, other sp....	0	0	0	70	261	18	41	660	481	5	0	0	1536
Salmon, chinook.....	0	0	0	0	1888	1397	1403	4112	3966	121	0	0	12887
Tuna, albacore.....	0	0	0	0	0	0	610	13593	7374	450	0	0	22027
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	87	32	46	0	165
Crab, Dungeness, ocean	0	0	0	176	320	0	0	102	0	0	0	0	598
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	48	0	0	0	0	48
TOTAL	0	0	0	311	2702	2241	2210	20289	13890	608	46	0	42297

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	81	399	1179	791	2741	1681	192	348	599	526	782	72	9391
Flounder, arrowtooth..	0	0	2	0	5	0	2	91	66	12	2	0	180
Greenling sp.....	0	0	150	74	555	220	6	52	80	21	59	25	1242
Hagfish sp.....	0	0	0	0	0	0	0	214	0	19411	5498	0	25123
Halibut, Pacific.....	0	0	0	0	0	0	7572	0	0	0	0	0	7572
Lingcod.....	774	4591	7291	7968	10445	2882	832	2601	4086	2647	8836	3612	56565
Nominal POP.....	0	0	0	0	207	517	728	386	4312	839	177	8	7174
Rockfish, black.....	2011	6307	17081	18118	34569	23408	19654	14899	11457	3474	11055	1254	163287
Rockfish, canary.....	89	816	2315	9164	15507	13966	6535	7672	4464	1191	2914	328	64961
Rockfish, widow.....	0	0	0	370	0	0	0	100	0	0	0	0	470
Rockfish, yellowtail..	0	0	2152	4746	10011	7774	1366	2534	1967	1047	1181	162	32940
Rockfish, other sp....	638	2369	3521	4073	9147	8551	2212	6214	8814	8294	10191	2963	66987
Thornyhead, shortspine	0	0	8	18	3	0	0	80	0	0	0	0	109
Sablefish.....	0	0	2629	3452	14304	14105	15871	19842	353349	47047	11524	2329	484452
Salmon, chinook.....	0	0	0	0	0	139	0	4066	4245	18339	15383	0	42172
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	345	0	345
Sole, Dover.....	0	0	0	3	0	0	11	1073	12	51	9	0	1159
Sole, English.....	0	0	0	0	0	0	0	1334	0	0	0	0	1334
Sole, petrale.....	0	0	0	0	0	0	11	391	0	0	0	0	402
Sole, rex.....	0	0	0	0	0	0	0	65	0	0	0	0	65
Tuna, albacore.....	0	0	0	0	0	0	603	2653	37124	0	0	0	40380
Wolf-eel.....	0	0	0	32	125	135	92	29	37	44	48	0	542
CRUSTACEANS:													
Crab, Dungeness, ocean	594047	240782	107273	65306	50674	29961	26027	9898	0	0	0	132689	1256657
MOLLUSKS:													
Octopus.....	175	424	662	470	1005	626	678	257	76	0	34	937	5344

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OTHER INVERTEBRATES:													
Sea urchin, red.....	51868	25494	24382	16342	7598	322	0	15985	48590	26587	142914	85696	445778
TOTAL	649683	281182	168645	130927	156896	104287	82392	90784	479278	129530	210952	230075	2714631

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	9	0	0	0	0	0	0	9
Greenling sp.....	0	0	0	0	0	24	0	0	0	0	0	0	24
Lingcod.....	22	12	505	404	1546	535	250	446	233	210	47	0	4210
Rockfish, black.....	0	19	0	236	234	1700	12679	3630	270	447	0	0	19215
Rockfish, canary.....	0	0	0	0	0	2	19	345	179	21	0	0	566
Rockfish, widow.....	0	0	0	0	0	0	0	465	0	0	0	0	465
Rockfish, yellowtail..	0	0	0	0	0	0	0	108	0	0	0	0	108
Rockfish, other sp....	65	34	736	1395	4239	3052	2899	1895	1276	731	50	0	16372
Sablefish.....	0	0	0	0	0	0	0	581	0	0	0	0	581
Salmon, chinook.....	0	0	0	0	984	0	0	319	0	0	0	0	1303
Tuna, albacore.....	0	0	0	0	0	0	0	0	5889	0	0	0	5889
OTHER INVERTEBRATES:													
Sea urchin, red.....	9664	5653	33983	21962	31619	18144	6218	24519	32420	93931	10682	10795	299590
TOTAL	9751	5718	35224	23997	38622	23466	22065	32308	40267	95340	10779	10795	348332

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	9	4	12	4	21	149	109	106	10	0	424
Flounder, arrowtooth..	0	1256	495	2322	782	1279	0	2827	428	1383	1003	1741	13516
Greenling sp.....	1	0	2	8	0	1	10	21	0	14	0	0	57
Grenadier.....	1809	6189	7121	5226	1749	369	0	2377	249	202	3096	935	29322
Halibut, California...	0	0	0	0	0	0	0	130	0	0	0	0	130
Halibut, Pacific.....	0	0	0	0	0	37	2330	0	0	0	0	0	2367
Lingcod.....	923	1893	5329	4745	6728	4278	7539	5312	5140	12714	8934	691	64226
Pacific Ocean perch...	0	0	0	935	0	0	0	0	0	0	0	0	935
Nominal POP.....	5145	882	1440	3426	4739	6208	7881	1445	6557	5354	4464	633	48174
Rockfish, black.....	69	297	715	5078	3525	5042	6494	7389	1425	2833	1656	412	34935
Rockfish, canary.....	1663	1190	4039	6186	10599	18166	8831	5204	9254	8060	4053	86	77331
Rockfish, widow.....	9894	6642	80127	5335	3526	9360	2587	2086	28937	89102	31063	406	269065
Rockfish, yellowtail..	1852	889	1681	818	3456	10282	3776	1520	4006	4029	2910	423	35642
Rockfish, other sp....	2934	1487	1665	3856	7144	15498	7017	8760	2460	4135	4794	449	60199
Thornyhead, longspine	20623	56741	70593	33837	72902	47885	40898	40088	64277	63751	75216	31467	618278
Thornyhead, shortspine	6288	11598	16819	7974	14248	10395	8837	5884	11559	11691	14683	7676	127652
Sablefish.....	18996	35436	47256	25687	43879	39830	36280	27401	48815	56490	43560	19554	443184
Salmon, chinook.....	0	0	0	0	17351	41630	0	28555	18650	13459	643	0	120288
Sanddab, Pacific.....	0	0	0	458	50	505	514	0	0	46	135	0	1708
Shark, blue.....	0	0	0	0	0	0	0	0	152	0	0	0	152
Shark, sixgill.....	0	0	0	0	0	0	0	16	0	23	0	0	39
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	20	0	20
Skates and rays.....	0	0	50	1254	379	40	0	441	1230	5135	4534	4009	17072
Sole, Dover.....	26829	79719	79148	35377	55995	61683	51620	45480	98513	100856	92346	61384	788950
Sole, English.....	224	82	375	696	212	2186	958	131	770	381	215	55	6285
Sole, petrale.....	342	7762	7463	452	9301	4342	10387	62	9863	7500	9683	19146	86303
Sole, rex.....	4969	7239	5285	1532	4016	3212	2031	1923	3105	3650	3977	5819	46758
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	0	22	22
Surfperch sp.....	124	149	119	1243	91	0	2	292	184	46	0	0	2250

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Tuna, albacore.....	0	0	0	0	0	0	0	1632	60121	13269	0	0	75022
Wolf-eel.....	0	0	0	0	0	13	0	0	0	0	0	0	13
CRUSTACEANS:													
Crab, Dungeness, ocean	1351797	336904	118765	64238	56927	36047	20435	9333	0	0	0	377075	2371521
Shrimp, coonstripe....	0	0	63	67	94	0	0	0	0	129	598	562	1513
Shrimp, pink.....	0	0	0	342444	989754	1441433	530550	510553	183465	80558	0	0	4078757
MOLLUSKS:													
Octopus.....	81	180	131	249	219	277	233	100	59	0	55	2012	3596
OTHER INVERTEBRATES:													
Sea urchin, red.....	417	3573	2073	0	5238	0	330	1949	10685	5424	2466	0	32155
TOTAL	1454980	560108	450763	553447	1312916	1760002	749561	711060	570013	490340	310114	534557	9457861

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996.

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.....	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	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	2	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.....	10813	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.....	13124	0	0	0	0	0	0	0	0	0
Lord, brown Irish.....	0	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, jack.....	0	0	0	0	0	0	0	0	0	0
Mackerel, Pacific.....	6	0	0	0	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	28	0	0	0	0	0	0	0	0	0
Nominal POP.....	87	0	0	0	0	0	0	0	0	0
Rockfish, black.....	540	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	4255	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	769	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	57241	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	26543	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.....	4354	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (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
Salmon, chinook.....	2216855	0	0	0	240001	152460	0	230	0	0
Salmon, chum.....	0	0	0	0	60	0	0	0	0	0
Salmon, coho.....	44	0	0	0	215431	969	0	0	0	0
Sanddab, Pacific.....	4	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
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	9765	0	158781	0	0	43501	0	0
Shark, blue.....	45	0	0	0	0	0	0	0	0	0
Shark, Pacific sleeper	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.....	73	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.....	29	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	4440	0	0	0	0	2654
Smelt, other sp.....	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.....	2	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	13363	0	110	0	0
Sturgeon, green.....	0	0	0	0	10302	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (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	131741	8684	19226	0	99	0
Sturgeon, white - roe	0	0	0	0	0	12	28	0	0	0
Sunfish, ocean.....	0	0	0	0	0	0	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.....	190	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	8948355	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	27	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	2164	0	0	0	0
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	0	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, kelp.....	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, 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, Sidestripe....	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

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (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, 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
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 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	11283384	0	9765	0	760758	177652	19254	43841	99	2654

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
FISH:										
Cabazon.....	0	4595	0	7500	331	0	0	0	0	0
Cod, Pacific.....	20	275	0	0	179986	410	4377	0	0	0
Flounder, arrowtooth.	51	547	0	0	2455423	1083	8291	0	0	0
Flounder, starry.....	0	0	0	1	58933	0	36	0	0	0
Greenling sp.....	0	262	0	1176	12	0	0	0	0	0
Grenadier.....	62	0	0	0	936920	0	0	0	0	0
Hagfish sp.....	38297	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	130	260	0	0	0	0	0
Halibut, Pacific.....	0	298322	0	1074	163	0	0	0	0	0
Herring, Pacific.....	0	0	0	51	8070	51752	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	404	41378	0	139467	1328404	2287	44755	0	0	0
Lord, brown Irish....	0	0	0	12	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	4	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	50	0
Mackerel, jack.....	0	0	0	0	4542	564933	449	0	0	0
Mackerel, Pacific....	0	0	0	0	20069	113600	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	62	0
Pacific Ocean perch..	2	149	0	15	1014143	45657	198	0	0	0
Nominal POP.....	1416	31618	0	984	1542569	62642	12430	0	0	0
Rockfish, black.....	2	20139	0	272156	16756	72	37	0	0	0
Rockfish, canary.....	35	104474	0	192578	1337711	10676	26622	0	0	0
Rockfish, widow.....	46	2169	0	21128	5109292	3225411	13979	0	0	0
Rockfish, yellowtail.	178	66031	0	77876	6158357	1047691	427155	0	0	0
Rockfish, other sp...	6221	321866	0	92908	1804610	34223	175327	0	0	0
Thornyhead, longspine	9	163	0	0	4834257	1	713	0	0	0
Thornyhead, shortspin	399	2570	0	0	1333841	1	888	0	0	0
Sablefish.....	1181596	1298650	0	2414	4437822	67538	72642	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
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
Sanddab, Pacific.....	0	0	0	0	227676	78	1250	0	0	0
Sardine, Pacific.....	0	0	0	0	0	10	0	0	0	0
Sculpin, buffalo.....	0	0	0	1	0	0	0	0	0	0
Sculpin, other sp....	0	0	0	0	32	0	0	0	0	0
Shad, American.....	0	0	0	0	7704	117633	0	0	0	0
Shark, blue.....	41	871	0	0	63	95	152	0	0	0
Shark, Pacific sleeper	0	0	0	0	1697	60	0	0	0	0
Shark, shortfin mako.	0	0	0	0	0	0	0	0	279	0
Shark, sixgill.....	0	76	0	0	23	0	16	0	0	0
Shark, soupfin.....	0	58	0	0	4969	0	363	0	0	0
Shark, spiny dogfish.	0	631	0	0	17971	8451	0	0	0	0
Shark, thresher.....	0	0	0	0	240	54	0	0	0	0
Shark, other sp.....	0	48	0	0	7	0	0	0	64	0
Skates and rays.....	0	9579	0	145	1231676	424	3452	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	10	0	0	12	0	0	0
Sole, curlfin (turbot	2	0	0	0	4577	0	20	0	0	0
Sole, Dover.....	801	254	0	0	10206123	14	127419	0	0	0
Sole, English.....	0	0	0	0	850836	1	9884	0	0	0
Sole, flathead.....	0	0	0	0	8508	1	1998	0	0	0
Sole, petrale.....	3	233	0	0	1579916	18	8085	0	0	0
Sole, rex.....	0	0	0	0	657738	1	7893	0	0	0
Sole, rock.....	0	11	0	0	11476	62	175	0	0	0
Sole, sand.....	0	0	0	2	160340	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	6515	0	0	57	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (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	11898	0	0	0	0	0
Sturgeon, white - roe	0	0	0	0	0	0	0	0	0	0
Sunfish, ocean.....	0	0	0	0	0	0	0	0	0	0
Surfperch sp.....	0	0	0	3428	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	35417	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	764	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
Walleye.....	0	0	0	0	0	0	0	0	0	0
Whiting, Pac. (hake).	0	0	0	0	149257	155438554	0	0	0	0
Wolf-eel.....	0	360	0	94	1026	32	15	0	0	0
Wrymouth, giant.....	92	20	0	0	1237	0	50	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, ocea	0	0	0	0	0	0	0	0	0	0
Crab, kelp.....	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	35	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe...	0	0	0	0	0	0	0	0	0	1513
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	15726666	0	0	0
Shrimp, Sidestripe...	0	0	0	0	0	0	23	0	0	0
Shrimp, spot.....	0	0	0	0	314	0	6179	0	0	1438
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

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (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, 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.....	79	883	0	197	4041	17	554	0	0	0
Snails & chitons.....	0	0	0	0	27	0	0	0	0	0
Squid.....	0	0	0	0	1084	1528	150	226561	0	0
OTHER INVERTEBRATES:										
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	1229756	2206232	0	813351	47729477	160795010	16682255	226618	36636	2951

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:											
Cabazon.....	164	0	0	0	0	0	0	0	0	0	12590
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	185068
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	2465395
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0	58972
Greenling sp.....	16	0	0	0	0	0	0	0	0	0	1466
Grenadier.....	0	0	0	0	0	0	0	0	0	0	936982
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	38297
Halibut, California...	0	0	0	0	0	0	0	0	0	0	390
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	310372
Herring, Pacific.....	0	0	0	0	0	0	0	0	112074	0	171947
Lamprey, Pacific.....	0	0	0	0	0	31264	0	0	0	0	31264
Lingcod.....	248	0	0	0	0	0	0	0	0	0	1570067
Lord, brown Irish.....	2	0	0	0	0	0	0	0	0	0	14
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	4
Louvar.....	0	0	0	0	0	0	0	0	0	0	50
Mackerel, jack.....	0	0	0	0	0	0	0	0	0	0	569924
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	0	133675
Opah.....	0	0	0	0	0	0	0	0	0	0	62
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	1060192
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	1651746
Rockfish, black.....	44	0	0	0	0	0	0	0	0	0	309746
Rockfish, canary.....	3	0	0	0	0	0	0	0	0	0	1676354
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	8372794
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	7834529
Rockfish, other sp....	111	0	0	0	0	0	0	0	0	0	2461809
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0	4835143
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0	1337699
Sablefish.....	48	0	0	0	0	0	0	0	0	0	7065064

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR SHOVEL RAKE	CLAM OR PUMP JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	2609546
Salmon, chum.....	0	0	0	0	0	0	0	0	0	60
Salmon, coho.....	0	0	0	0	0	0	0	0	0	216444
Sanddab, Pacific.....	1	0	0	0	0	0	0	0	0	229009
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	10
Sculpin, buffalo.....	3	0	0	0	0	0	0	0	0	4
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	32
Shad, American.....	0	0	0	0	0	0	0	0	0	337384
Shark, blue.....	0	0	0	0	0	0	0	0	0	1267
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	1757
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	279
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	115
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	5463
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	27053
Shark, thresher.....	0	0	0	0	0	0	0	0	0	294
Shark, other sp.....	0	0	0	0	0	0	0	0	0	148
Skates and rays.....	10	0	0	0	0	0	0	0	0	1245286
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	7094
Smelt, other sp.....	0	0	0	0	0	0	0	200	0	222
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	4599
Sole, Dover.....	0	0	0	0	0	0	0	0	0	10334613
Sole, English.....	0	0	0	0	0	0	0	0	0	860721
Sole, flathead.....	0	0	0	0	0	0	0	0	0	10507
Sole, petrale.....	0	0	0	0	0	0	0	0	0	1588255
Sole, rex.....	0	0	0	0	0	0	0	0	0	665632
Sole, rock.....	0	0	0	0	0	0	0	0	0	11724
Sole, sand.....	28	0	0	0	0	0	0	0	0	160370
Steelhead.....	0	0	0	0	0	0	0	0	0	13473
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	16874

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR RAKE	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	171648
Sturgeon, white - roe	0	0	0	0	0	0	0	0	0	0	40
Sunfish, ocean.....	0	0	0	0	0	18	0	0	0	0	18
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0	3428
Swordfish.....	0	0	0	0	0	0	0	0	0	0	35417
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	954
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	8948355
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	27
Walleye.....	0	0	0	0	0	0	0	0	0	0	2164
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	155587811
Wolf-eel.....	2264	0	0	0	0	0	0	0	0	0	3791
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	1399
CRUSTACEANS:											
Crab, box.....	3646	0	0	0	0	0	0	0	0	0	3646
Crab, Dungeness, bay..	0	8545	0	0	0	0	0	0	0	0	8545
Crab, Dungeness, ocean	19293218	0	0	0	0	0	0	0	0	0	19293218
Crab, kelp.....	0	2	0	0	0	0	0	0	0	0	2
Crab, rock.....	631	4299	0	0	0	0	0	0	0	0	4930
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0	35
Crayfish.....	0	0	0	0	0	0	0	0	0	46951	46951
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	1513
Shrimp, ghost.....	0	0	0	0	0	0	0	50136	0	0	50136
Shrimp, mud.....	0	0	0	0	0	0	0	18837	0	0	18837
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	15726666
Shrimp, Sidestripe....	0	0	0	0	0	0	0	0	0	0	23
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	7931
MOLLUSKS:											
Clams, butter.....	0	0	0	0	0	1389	0	0	0	0	1389
Clams, cockle.....	0	0	0	0	0	57600	0	0	0	0	57600

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1996. (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
Clams, gaper.....	0	0	25	0	3434	0	0	0	0	3459
Clams, littleneck.....	0	0	25	0	4472	0	0	0	0	4497
Clams, softshell.....	0	0	191	0	0	0	0	0	0	191
Clams, razor.....	0	0	2901	0	0	0	0	0	0	2901
Mussels, ocean.....	0	0	0	0	2756	0	0	0	0	2756
Octopus.....	10278	0	0	0	0	0	0	0	0	16049
Snails & chitons.....	0	0	0	0	0	0	0	0	0	27
Squid.....	0	0	0	0	0	0	0	0	0	229323
OTHER INVERTEBRATES:										
Sea stars.....	426	38	0	0	1003	0	0	0	0	1467
Sea urchin, purple....	0	0	0	0	675	0	0	0	0	675
Sea urchin, red.....	0	0	0	0	819483	0	0	0	0	819483
TOTAL	19311141	12884	3142	0	922094	0	68973	112274	46951	262497152

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996.

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.....	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	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	1	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.....	20992	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.....	7658	0	0	0	0	0	0	0	0	0
Lord, brown Irish.....	0	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, jack.....	0	0	0	0	0	0	0	0	0	0
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	10	0	0	0	0	0	0	0	0	0
Nominal POP.....	21	0	0	0	0	0	0	0	0	0
Rockfish, black.....	252	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	1828	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	258	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	22363	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	12071	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.....	4555	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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
Salmon, chinook.....	3006565	0	0	0	97654	48080	0	35	0	0
Salmon, chum.....	0	0	0	0	8	0	0	0	0	0
Salmon, coho.....	40	0	0	0	132682	239	0	0	0	0
Sanddab, Pacific.....	1	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	4300	0	41283	0	0	7298	0	0
Shark, blue.....	34	0	0	0	0	0	0	0	0	0
Shark, Pacific sleeper	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.....	73	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.....	29	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	4978	0	0	0	0	3461
Smelt, other sp.....	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.....	1	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	3889	0	28	0	0
Sturgeon, green.....	0	0	0	0	4991	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	171186	15115	38896	0	149	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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 - roe	0	0	0	0	0	157	408	0	0	0
Sunfish, ocean.....	0	0	0	0	0	0	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.....	42	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	7429611	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	9	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	1636	0	0	0	0
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	0	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, kelp.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	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, Sidestripe....	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
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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, 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
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
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	10506413	0	4300	0	452783	69116	39304	7361	149	3461

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
FISH:										
Cabazon.....	0	1859	0	3284	144	0	0	0	0	0
Cod, Pacific.....	8	139	0	0	71716	162	1750	0	0	0
Flounder, arrowtooth.	5	83	0	0	248451	113	846	0	0	0
Flounder, starry.....	0	0	0	3	18981	0	4	0	0	0
Greenling sp.....	0	54	0	374	0	0	0	0	0	0
Grenadier.....	19	0	0	0	103155	0	0	0	0	0
Hagfish sp.....	10253	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	132	509	0	0	0	0	0
Halibut, Pacific.....	0	680236	0	2147	328	0	0	0	0	0
Herring, Pacific.....	0	0	0	34	807	255	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	266	25356	0	101838	535015	887	17965	0	0	0
Lord, brown Irish....	0	0	0	27	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	9	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	93	0
Mackerel, jack.....	0	0	0	0	237	7402	31	0	0	0
Mackerel, Pacific....	0	0	0	0	2314	1508	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	22	0
Pacific Ocean perch..	1	67	0	9	342282	13994	64	0	0	0
Nominal POP.....	872	14938	0	317	377981	9876	2955	0	0	0
Rockfish, black.....	1	9668	0	137802	5892	0	22	0	0	0
Rockfish, canary.....	14	82246	0	159341	478022	3308	9316	0	0	0
Rockfish, widow.....	21	1037	0	10206	1597904	936170	4342	0	0	0
Rockfish, yellowtail.	116	33334	0	39299	2135886	313183	145977	0	0	0
Rockfish, other sp...	3200	260213	0	75286	610453	9349	61668	0	0	0
Thornyhead, longspine	12	144	0	0	3933233	0	574	0	0	0
Thornyhead, shortspin	436	2893	0	0	1353034	0	680	0	0	0
Sablefish.....	1916670	2470442	0	3813	5357071	34074	80915	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
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
Sanddab, Pacific.....	0	0	0	0	65870	13	309	0	0	0
Sculpin, buffalo.....	0	0	0	2	0	0	0	0	0	0
Sculpin, other sp....	0	0	0	0	32	0	0	0	0	0
Shad, American.....	0	0	0	0	843	550	0	0	0	0
Shark, blue.....	10	310	0	0	63	0	0	0	0	0
Shark, Pacific sleeper	0	0	0	0	32	0	0	0	0	0
Shark, shortfin mako.	0	0	0	0	0	0	0	0	349	0
Shark, sixgill.....	0	45	0	0	12	0	12	0	0	0
Shark, soupfin.....	0	40	0	0	4369	0	145	0	0	0
Shark, spiny dogfish.	0	732	0	0	1556	0	0	0	0	0
Shark, thresher.....	0	0	0	0	223	0	0	0	0	0
Shark, other sp.....	0	12	0	0	7	0	0	0	80	0
Skates and rays.....	0	1833	0	103	223584	24	546	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	23	0	0	1	0	0	0
Sole, curlfin (turbot	0	0	0	0	1522	0	6	0	0	0
Sole, Dover.....	250	84	0	0	3234039	3	39081	0	0	0
Sole, English.....	0	0	0	0	288907	0	3209	0	0	0
Sole, flathead.....	0	0	0	0	2502	0	682	0	0	0
Sole, petrale.....	3	234	0	0	1531091	19	7633	0	0	0
Sole, rex.....	0	0	0	0	212020	0	2524	0	0	0
Sole, rock.....	0	3	0	0	3634	23	46	0	0	0
Sole, sand.....	0	0	0	2	119328	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	4525	0	0	71	0	0
Sturgeon, white.....	0	0	0	0	17891	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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 - roe	0	0	0	0	0	0	0	0	0	0
Sunfish, ocean.....	0	0	0	0	0	0	0	0	0	0
Surfperch sp.....	0	0	0	4788	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	119451	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	1105	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
Walleye.....	0	0	0	0	0	0	0	0	0	0
Whiting, Pac. (hake).	0	0	0	0	7332	4139309	0	0	0	0
Wolf-eel.....	0	81	0	51	85	0	4	0	0	0
Wrymouth, giant.....	0	6	0	0	166	0	13	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, ocea	0	0	0	0	0	0	0	0	0	0
Crab, kelp.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe...	0	0	0	3232	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	9361576	0	0	0
Shrimp, Sidestripe...	0	0	0	0	0	0	69	0	0	0
Shrimp, spot.....	0	0	0	3795	874	0	17931	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
Clams, littleneck....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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, 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.....	71	538	0	129	1944	0	281	0	0	0
Squid.....	0	0	0	0	8	0	26	36864	0	0
OTHER INVERTEBRATES:										
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	1932228	3586627	0	546046	22895874	5470222	9761203	36935	121100	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR SHOVEL RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:										
Cabazon.....	287	0	0	0	0	0	0	0	0	5574
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	73775
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	249498
Flounder, starry.....	0	0	0	0	0	0	0	0	0	18989
Greenling sp.....	40	0	0	0	0	0	0	0	0	468
Grenadier.....	0	0	0	0	0	0	0	0	0	103174
Hagfish sp.....	0	0	0	0	0	0	0	0	0	10253
Halibut, California...	0	0	0	0	0	0	0	0	0	641
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	703703
Herring, Pacific.....	0	0	0	0	0	0	0	126869	0	127965
Lamprey, Pacific.....	0	0	0	0	28405	0	0	0	0	28405
Lingcod.....	168	0	0	0	0	0	0	0	0	689153
Lord, brown Irish.....	5	0	0	0	0	0	0	0	0	32
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	9
Louvar.....	0	0	0	0	0	0	0	0	0	93
Mackerel, jack.....	0	0	0	0	0	0	0	0	0	7670
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	3822
Opah.....	0	0	0	0	0	0	0	0	0	22
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	356427
Nominal POP.....	0	0	0	0	0	0	0	0	0	406960
Rockfish, black.....	34	0	0	0	0	0	0	0	0	153671
Rockfish, canary.....	2	0	0	0	0	0	0	0	0	734077
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	2549938
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	2690158
Rockfish, other sp....	67	0	0	0	0	0	0	0	0	1032307
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	3933963
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	1357043
Sablefish.....	62	0	0	0	0	0	0	0	0	9867602

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR SHOVEL RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	3152334
Salmon, chum.....	0	0	0	0	0	0	0	0	0	8
Salmon, coho.....	0	0	0	0	0	0	0	0	0	132961
Sanddab, Pacific.....	2	0	0	0	0	0	0	0	0	66195
Sculpin, buffalo.....	7	0	0	0	0	0	0	0	0	9
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	32
Shad, American.....	0	0	0	0	0	0	0	0	0	54274
Shark, blue.....	0	0	0	0	0	0	0	0	0	417
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	32
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	349
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	69
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	4627
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	2288
Shark, thresher.....	0	0	0	0	0	0	0	0	0	223
Shark, other sp.....	0	0	0	0	0	0	0	0	0	128
Skates and rays.....	24	0	0	0	0	0	0	0	0	226114
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	8439
Smelt, other sp.....	0	0	0	0	0	0	0	50	0	74
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	1528
Sole, Dover.....	0	0	0	0	0	0	0	0	0	3273458
Sole, English.....	0	0	0	0	0	0	0	0	0	292116
Sole, flathead.....	0	0	0	0	0	0	0	0	0	3184
Sole, petrale.....	0	0	0	0	0	0	0	0	0	1538980
Sole, rex.....	0	0	0	0	0	0	0	0	0	214544
Sole, rock.....	0	0	0	0	0	0	0	0	0	3706
Sole, sand.....	31	0	0	0	0	0	0	0	0	119361
Steelhead.....	0	0	0	0	0	0	0	0	0	3917
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	9587
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	243237

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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 - roe	0	0	0	0	0	0	0	0	0	0	565
Sunfish, ocean.....	0	0	0	0	0	54	0	0	0	0	54
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0	4788
Swordfish.....	0	0	0	0	0	0	0	0	0	0	119451
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	1147
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	7429611
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	9
Walleye.....	0	0	0	0	0	0	0	0	0	0	1636
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	4146641
Wolf-eel.....	829	0	0	0	0	0	0	0	0	0	1050
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	185
CRUSTACEANS:											
Crab, box.....	586	0	0	0	0	0	0	0	0	0	586
Crab, Dungeness, bay..	0	17409	0	0	0	0	0	0	0	0	17409
Crab, Dungeness, ocean	26162777	0	0	0	0	0	0	0	0	0	26162777
Crab, kelp.....	0	6	0	0	0	0	0	0	0	0	6
Crab, rock.....	523	4299	0	0	0	0	0	0	0	0	4822
Crayfish.....	0	0	0	0	0	0	0	0	0	59231	59231
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	3232
Shrimp, ghost.....	0	0	0	0	0	0	0	72856	0	0	72856
Shrimp, mud.....	0	0	0	0	0	0	0	24561	0	0	24561
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	9361576
Shrimp, Sidestripe....	0	0	0	0	0	0	0	0	0	0	69
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	22600
MOLLUSKS:											
Clams, butter.....	0	0	0	0	0	422	0	0	0	0	422
Clams, cockle.....	0	0	0	0	0	19452	0	0	0	0	19452
Clams, gaper.....	0	0	50	0	0	1500	0	0	0	0	1550
Clams, littleneck....	0	0	50	0	0	7433	0	0	0	0	7483

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1996. (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
Clams, softshell.....	0	0	990	0	0	0	0	0	0	990
Clams, razor.....	0	0	6585	0	0	0	0	0	0	6585
Mussels, ocean.....	0	0	0	0	1287	0	0	0	0	1287
Octopus.....	11218	0	0	0	0	0	0	0	0	14181
Squid.....	0	0	0	0	0	0	0	0	0	36898
OTHER INVERTEBRATES:										
Sea stars.....	342	21	0	0	966	0	0	0	0	1329
Sea urchin, purple....	0	0	0	0	68	0	0	0	0	68
Sea urchin, red.....	0	0	0	0	431405	0	0	0	0	431405
TOTAL	26177004	21735	7675	0	490992	0	97417	126919	59231	82414095

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Sturgeon, white.....	0	26	73	0	0	0	0	0	0	0	0	0	99
TOTAL	0	26	73	0	0	0	0	0	0	0	0	0	99
TROLL													
FISH:													
Halibut, Pacific.....	0	0	0	0	4156	6331	326	0	0	0	0	0	10813
Lingcod.....	0	0	0	0	5200	2521	171	1842	1169	2006	215	0	13124
Mackerel, Pacific.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Pacific Ocean perch...	0	0	0	0	28	0	0	0	0	0	0	0	28
Nominal POP.....	0	0	0	0	6	2	0	69	6	4	0	0	87
Rockfish, black.....	0	0	0	0	42	51	72	40	184	77	74	0	540
Rockfish, canary.....	0	0	0	0	1997	939	153	328	386	423	29	0	4255
Rockfish, widow.....	0	0	0	0	339	63	0	63	242	62	0	0	769
Rockfish, yellowtail..	0	0	0	0	12208	14561	1257	16652	9127	3215	221	0	57241
Rockfish, other sp....	0	0	0	0	4852	9368	260	7229	3003	1763	68	0	26543
Sablefish.....	0	0	0	0	43	1703	268	358	1962	20	0	0	4354
Salmon, chinook.....	0	0	0	0	242398	589120	46812	792025	369124	148460	28916	0	2216855
Salmon, coho.....	0	0	0	0	0	44	0	0	0	0	0	0	44
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	4	0	0	4
Shark, blue.....	0	0	0	0	0	15	0	0	30	0	0	0	45
Shark, soupfin.....	0	0	0	0	0	26	0	47	0	0	0	0	73
Shark, other sp.....	0	0	0	0	0	0	0	29	0	0	0	0	29
Sole, Dover.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Tuna, bluefin.....	0	0	0	0	0	0	0	0	190	0	0	0	190
Tuna, albacore.....	0	0	0	0	0	29417	733135	3479566	3703487	887544	115206	0	8948355
Tuna, yellowfin.....	0	0	0	0	0	0	23	0	4	0	0	0	27
TOTAL	0	0	0	0	271269	654167	782477	4298248	4088916	1043578	144729	0	11283384

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (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	1844	7921	0	0	0	0	0	0	9765
TOTAL	0	0	0	0	1844	7921	0	0	0	0	0	0	9765
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Salmon, chinook.....	0	1591	0	429	7727	1265	0	54983	139868	34138	0	0	240001
Salmon, chum.....	0	0	0	0	0	0	0	0	11	49	0	0	60
Salmon, coho.....	0	0	0	0	0	0	0	2660	152457	60314	0	0	215431
Shad, American.....	0	0	0	0	15430	143351	0	0	0	0	0	0	158781
Smelt (eulachon).....	2235	1855	350	0	0	0	0	0	0	0	0	0	4440
Sturgeon, green.....	0	0	0	0	22	0	0	45	9823	412	0	0	10302
Sturgeon, white.....	0	14629	0	1971	8606	3626	0	9210	66405	27294	0	0	131741
TOTAL	2235	18075	350	2400	31785	148242	0	66898	368566	122207	0	0	760758
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	152460	0	0	0	152460
Salmon, coho.....	0	0	0	0	0	0	0	0	969	0	0	0	969
Steelhead.....	0	0	478	0	0	0	0	0	12885	0	0	0	13363
Sturgeon, white.....	0	721	7659	0	0	0	0	0	304	0	0	0	8684
Sturgeon, white - roe	0	0	12	0	0	0	0	0	0	0	0	0	12
Walleye.....	0	0	2150	0	0	0	0	0	14	0	0	0	2164
TOTAL	0	721	10299	0	0	0	0	0	166632	0	0	0	177652
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	3011	0	0	6824	9391	0	0	0	0	0	0	0	19226

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, white - roe	5	0	0	23	0	0	0	0	0	0	0	0	28
TOTAL	3016	0	0	6847	9391	0	0	0	0	0	0	0	19254
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	230	0	0	0	230
Shad, American.....	0	0	0	0	0	43501	0	0	0	0	0	0	43501
Steelhead.....	0	0	0	0	0	0	0	0	110	0	0	0	110
TOTAL	0	0	0	0	0	43501	0	0	340	0	0	0	43841
<u>SMELT TRAWL</u>													
FISH:													
Smelt (eulachon).....	819	1625	210	0	0	0	0	0	0	0	0	0	2654
TOTAL	819	1625	210	0	0	0	0	0	0	0	0	0	2654
<u>FISH POT</u>													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	20	0	0	0	20
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	51	0	0	0	51
Grenadier.....	0	0	0	0	0	62	0	0	0	0	0	0	62
Hagfish sp.....	0	0	0	0	0	0	13174	214	0	19411	5498	0	38297
Lingcod.....	248	0	71	0	0	0	0	20	51	0	14	0	404
Pacific Ocean perch...	0	0	0	0	0	0	0	0	2	0	0	0	2
Nominal POP.....	0	0	0	0	0	0	416	467	499	14	20	0	1416
Rockfish, black.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Rockfish, canary.....	5	0	0	0	0	0	0	0	8	22	0	0	35
Rockfish, widow.....	46	0	0	0	0	0	0	0	0	0	0	0	46
Rockfish, yellowtail..	0	0	0	0	0	0	0	178	0	0	0	0	178
Rockfish, other sp....	0	0	4	0	0	80	380	735	4732	284	6	0	6221
Thornyhead, longspine	0	0	0	0	0	0	5	0	2	2	0	0	9
Thornyhead, shortspine	0	6	0	0	0	6	0	14	335	30	8	0	399

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sablefish.....	0	576	502	315	615	19799	24759	33266	1050136	46840	4788	0	1181596
Shark, blue.....	0	0	0	0	0	0	0	41	0	0	0	0	41
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	2	0	0	0	2
Sole, Dover.....	0	0	2	0	0	0	0	6	717	76	0	0	801
Sole, petrale.....	0	0	0	0	0	0	0	0	0	3	0	0	3
Wrymouth, giant.....	0	0	0	0	0	0	0	81	11	0	0	0	92
MOLLUSKS:													
Octopus.....	63	0	0	0	0	0	0	0	0	0	16	0	79
TOTAL	362	582	579	315	615	19947	38736	35022	1056566	66682	10350	0	1229756
<u>BOTTOM LONGLINE</u>													
FISH:													
Cabezon.....	0	0	44	99	1149	1452	51	237	545	500	518	0	4595
Cod, Pacific.....	0	0	0	0	0	0	0	63	24	188	0	0	275
Flounder, arrowtooth..	0	0	2	0	59	23	236	4	181	40	2	0	547
Greenling sp.....	0	0	0	0	61	56	9	16	53	21	46	0	262
Halibut, Pacific.....	0	0	0	0	0	11804	193729	90405	2384	0	0	0	298322
Lingcod.....	215	160	403	5522	4456	3888	3173	10186	5250	2335	5298	492	41378
Pacific Ocean perch...	2	0	2	0	2	0	3	0	140	0	0	0	149
Nominal POP.....	42	16	2185	6435	7928	1947	1938	1696	6102	2673	652	4	31618
Rockfish, black.....	0	0	201	3060	3478	4264	1191	2833	806	945	2868	493	20139
Rockfish, canary.....	247	347	801	13108	21566	29284	9856	11369	4979	4693	7968	256	104474
Rockfish, widow.....	0	0	0	189	904	691	184	14	25	19	143	0	2169
Rockfish, yellowtail..	97	63	2071	5873	16513	22190	5542	5080	1800	1359	5277	166	66031
Rockfish, other sp....	356	48	21432	22582	51419	93856	38344	24659	35133	16579	16961	497	321866
Thornyhead, longspine	0	0	0	0	0	10	3	0	140	10	0	0	163
Thornyhead, shortspine	6	12	8	18	286	29	306	58	1383	464	0	0	2570
Sablefish.....	592	1763	6354	5306	26307	30829	38938	34059	993892	142350	14971	3289	1298650
Shark, blue.....	0	0	0	0	0	639	232	0	0	0	0	0	871
Shark, sixgill.....	0	0	0	0	0	0	45	0	0	31	0	0	76

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, soupfin.....	0	0	0	0	11	23	0	24	0	0	0	0	58
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	345	286	631
Shark, other sp.....	0	0	0	0	0	0	0	0	48	0	0	0	48
Skates and rays.....	231	52	7	20	48	2530	931	383	2999	1928	380	70	9579
Sole, Dover.....	0	0	0	3	2	0	86	11	67	76	9	0	254
Sole, petrale.....	0	0	0	0	12	64	39	42	66	10	0	0	233
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	11	0	11
Wolf-eel.....	0	0	0	26	50	139	6	10	37	44	48	0	360
Wrymouth, giant.....	0	0	9	0	0	0	11	0	0	0	0	0	20
MOLLUSKS:													
Octopus.....	0	0	0	15	264	432	71	7	76	0	18	0	883
TOTAL	1788	2461	33519	62256	134515	204150	294924	181156	1056130	174265	55515	5553	2206232
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabezon.....	81	597	1420	745	1734	923	667	552	274	146	282	79	7500
Flounder, starry.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Greenling sp.....	1	3	175	82	494	235	21	61	52	14	13	25	1176
Halibut, California...	0	0	0	0	0	0	0	130	0	0	0	0	130
Halibut, Pacific.....	0	0	0	0	0	0	1074	0	0	0	0	0	1074
Herring, Pacific.....	0	0	51	0	0	0	0	0	0	0	0	0	51
Lingcod.....	4206	17068	23883	14457	18228	7118	9843	12699	7226	6560	13501	4678	139467
Lord, brown Irish.....	0	0	0	0	0	12	0	0	0	0	0	0	12
Lord, red Irish.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Pacific Ocean perch...	0	0	0	0	0	15	0	0	0	0	0	0	15
Nominal POP.....	0	0	35	30	32	39	311	47	62	110	314	4	984
Rockfish, black.....	2124	6962	20475	22809	44061	36668	52047	39482	27597	7747	11023	1161	272156
Rockfish, canary.....	7572	16446	46658	34314	26752	15421	14870	12768	9062	3094	5038	583	192578
Rockfish, widow.....	1064	266	3663	4539	841	3512	1283	2724	279	1067	474	1416	21128
Rockfish, yellowtail..	1087	143	9706	7878	7310	12314	18249	5746	3383	2986	6403	2671	77876

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, other sp....	1419	3847	7624	6610	12598	8637	14668	11828	8706	4518	7975	4478	92908
Sablefish.....	0	0	94	25	0	509	504	262	690	0	296	34	2414
Sculpin, buffalo.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Skates and rays.....	0	0	0	0	0	0	36	109	0	0	0	0	145
Smelt, other sp.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Sole, sand.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Surfperch sp.....	124	149	119	1243	457	778	10	292	195	52	9	0	3428
Wolf-eel.....	0	0	0	0	15	0	0	69	0	0	10	0	94
MOLLUSKS:													
Octopus.....	0	0	0	0	89	0	60	48	0	0	0	0	197
TOTAL	17678	45481	113903	92732	112611	86188	113643	86828	57526	26294	45338	15129	813351
GROUND FISH TRAWL													
FISH:													
Cabezon.....	0	0	0	0	0	45	70	159	15	42	0	0	331
Cod, Pacific.....	6099	3407	5456	5343	21841	33983	26748	47251	19735	6048	2257	1818	179986
Flounder, arrowtooth..	46277	88912	95528	83213	433709	852828	286326	192006	192415	74366	61864	47979	2455423
Flounder, starry.....	0	425	5356	113	808	7093	16686	13499	9677	3881	1395	0	58933
Greenling sp.....	0	0	0	0	0	0	0	0	12	0	0	0	12
Grenadier.....	18703	40794	74384	57569	108139	108706	110068	117486	141580	76173	63018	20300	936920
Halibut, California...	0	0	0	0	44	39	53	48	32	44	0	0	260
Halibut, Pacific.....	0	0	0	97	0	0	36	0	0	30	0	0	163
Herring, Pacific.....	0	0	0	0	0	0	0	8070	0	0	0	0	8070
Lingcod.....	112236	41043	75724	62397	150755	219611	148264	140922	190829	111409	61518	13696	1328404
Mackerel, jack.....	0	0	0	0	10	0	216	0	0	3115	1201	0	4542
Mackerel, Pacific.....	0	0	0	0	1211	0	0	0	6748	6223	5887	0	20069
Pacific Ocean perch...	50134	65223	77397	96535	123478	140129	101997	96877	121436	66442	52668	21827	1014143
Nominal POP.....	57451	135183	174774	127603	189360	134117	139862	121694	130830	169341	114684	47670	1542569
Rockfish, black.....	0	0	589	463	1747	6166	3292	138	1706	962	1693	0	16756
Rockfish, canary.....	43822	56759	141917	136489	180974	213896	157107	153786	140435	61315	43124	8087	1337711

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, widow.....	164908	233145	531157	394465	649522	526513	470675	534243	481879	469725	466691	186369	5109292
Rockfish, yellowtail..	362336	499040	737308	682006	897846	678639	686990	581696	447172	292641	200669	92014	6158357
Rockfish, other sp....	91451	110107	174737	127407	217987	254558	160248	152929	167884	144502	141320	61480	1804610
Thornyhead, longspine	181530	354203	451632	360968	513329	477153	466245	428773	498614	431544	482480	187786	4834257
Thornyhead, shortspine	65911	92803	129040	102523	150228	114532	121604	105895	145226	111492	133485	61102	1333841
Sablefish.....	189962	309434	430808	344172	478784	449386	478899	366392	447291	356963	358459	227272	4437822
Sanddab, Pacific.....	0	15669	41303	24042	12395	16492	26605	14269	9229	19778	27949	19945	227676
Sculpin, other sp.....	0	32	0	0	0	0	0	0	0	0	0	0	32
Shad, American.....	0	4	437	41	4808	1046	98	735	159	128	248	0	7704
Shark, blue.....	0	0	63	0	0	0	0	0	0	0	0	0	63
Shark, Pacific sleeper	0	1697	0	0	0	0	0	0	0	0	0	0	1697
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	23	0	0	23
Shark, soupfin.....	33	76	452	0	0	119	98	0	120	34	171	3866	4969
Shark, spiny dogfish..	0	0	0	125	1447	0	35	0	0	1496	14077	791	17971
Shark, thresher.....	0	0	205	0	0	0	0	0	0	35	0	0	240
Shark, other sp.....	0	0	0	0	0	0	0	7	0	0	0	0	7
Skates and rays.....	29321	34644	43863	37258	109827	82429	96338	192458	264521	169216	106563	65238	1231676
Sole, curlfin (turbot)	0	0	17	0	23	42	317	788	3006	384	0	0	4577
Sole, Dover.....	506612	834542	1225660	830938	957003	799237	728439	893686	1091365	894468	831344	612829	10206123
Sole, English.....	16309	40062	77307	41426	111351	134312	107652	137531	85578	47462	34643	17203	850836
Sole, flathead.....	20	0	0	0	453	345	1078	7	6281	324	0	0	8508
Sole, petrale.....	296982	300832	125737	48968	102885	109186	73901	54236	59613	40351	96958	270267	1579916
Sole, rex.....	29640	49999	46197	30144	75868	64143	63668	83679	83618	48578	52564	29640	657738
Sole, rock.....	0	3	0	0	321	776	961	2457	6854	58	46	0	11476
Sole, sand.....	0	80	1523	315	5458	13218	18842	42539	62362	10613	5390	0	160340
Sturgeon, green.....	0	0	28	0	239	94	0	158	578	2899	2519	0	6515
Sturgeon, white.....	0	0	0	0	0	0	21	0	0	9551	2326	0	11898
Whiting, Pac. (hake)..	0	0	0	1595	2888	1502	10000	99281	10005	39	17416	6531	149257
Wolf-eel.....	0	0	0	0	7	16	243	258	321	181	0	0	1026
Wrymouth, giant.....	0	0	12	13	99	300	8	82	246	177	300	0	1237

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0	35	0	35
Shrimp, spot.....	0	0	79	0	0	101	0	82	52	0	0	0	314
MOLLUSKS:													
Octopus.....	0	125	145	206	231	643	981	722	489	274	191	34	4041
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0	0	27	27
Squid.....	8	31	11	44	120	55	0	22	66	294	433	0	1084
TOTAL	2269745	3308274	4668846	3596478	5505195	5441450	4504671	4584861	4827979	3632621	3385586	2003771	47729477
MIDWATER TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	6	26	282	96	0	0	0	0	410
Flounder, arrowtooth..	0	0	0	0	2	241	374	378	88	0	0	0	1083
Herring, Pacific.....	0	0	0	0	1109	0	2145	43304	5194	0	0	0	51752
Lingcod.....	0	0	0	5	127	134	1019	145	12	842	3	0	2287
Mackerel, jack.....	0	0	0	0	117134	43184	77476	174696	104047	760	47636	0	564933
Mackerel, Pacific.....	0	0	0	0	1043	0	2061	51082	59414	0	0	0	113600
Pacific Ocean perch...	0	0	0	0	113	30931	6773	7482	358	0	0	0	45657
Nominal POP.....	0	0	226	11	1057	20242	9131	24525	6096	1354	0	0	62642
Rockfish, black.....	0	0	0	0	0	72	0	0	0	0	0	0	72
Rockfish, canary.....	0	0	0	5	8	591	8305	564	134	1060	9	0	10676
Rockfish, widow.....	210696	171345	191527	224176	279125	263334	676973	545844	266861	150959	99128	145443	3225411
Rockfish, yellowtail..	0	0	3446	6853	77722	61650	315492	414660	111234	51871	3811	952	1047691
Rockfish, other sp....	61	25	141	400	1515	15280	10224	1998	2877	1702	0	0	34223
Thornyhead, longspine	0	0	0	0	0	0	0	1	0	0	0	0	1
Thornyhead, shortspine	0	0	0	0	0	1	0	0	0	0	0	0	1
Sablefish.....	0	0	0	0	9180	10926	12565	30379	4488	0	0	0	67538
Sanddab, Pacific.....	0	0	0	0	0	0	55	0	23	0	0	0	78
Sardine, Pacific.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Shad, American.....	0	0	0	0	19376	8181	3734	79686	6656	0	0	0	117633

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, blue.....	0	0	0	0	0	29	6	60	0	0	0	0	95
Shark, Pacific sleeper	0	0	0	0	60	0	0	0	0	0	0	0	60
Shark, spiny dogfish..	0	0	0	0	6935	480	58	695	283	0	0	0	8451
Shark, thresher.....	0	0	0	0	0	54	0	0	0	0	0	0	54
Skates and rays.....	0	0	0	0	82	32	110	45	25	130	0	0	424
Sole, Dover.....	0	0	0	0	0	0	0	0	10	4	0	0	14
Sole, English.....	0	0	0	0	0	0	0	0	1	0	0	0	1
Sole, flathead.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Sole, petrale.....	0	0	0	0	0	0	0	0	14	4	0	0	18
Sole, rex.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Sole, rock.....	0	0	0	0	0	0	0	0	0	62	0	0	62
Whiting, Pac. (hake)..	0	0	0	8486	11467140	28898869	49022838	50386871	15644282	10068	0	0	155438554
Wolf-eel.....	0	0	0	0	0	0	32	0	0	0	0	0	32
MOLLUSKS:													
Octopus.....	0	0	0	0	0	17	0	0	0	0	0	0	17
Squid.....	0	0	0	0	364	218	228	679	39	0	0	0	1528
TOTAL	210757	171370	195340	239936	11982110	29354492	50149881	51763190	16212136	218816	150587	146395	160795010
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	6	809	833	2137	475	37	80	0	0	4377
Flounder, arrowtooth..	0	0	0	87	729	1676	1486	1320	1099	1894	0	0	8291
Flounder, starry.....	0	0	0	0	0	0	0	36	0	0	0	0	36
Lingcod.....	0	102	0	1671	6763	5007	11005	10386	7370	2302	149	0	44755
Mackerel, jack.....	0	0	0	0	0	0	0	0	0	449	0	0	449
Pacific Ocean perch...	0	0	0	35	1	156	0	0	2	4	0	0	198
Nominal POP.....	0	910	0	1472	1452	1526	1015	2607	2873	519	56	0	12430
Rockfish, black.....	0	0	0	0	0	0	37	0	0	0	0	0	37
Rockfish, canary.....	0	0	0	1845	2411	9597	6836	3890	1768	268	7	0	26622
Rockfish, widow.....	0	0	0	2791	1542	2379	4498	2466	250	53	0	0	13979

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, yellowtail..	0	0	0	29846	139813	105068	82394	47660	16026	5844	504	0	427155
Rockfish, other sp....	0	46	0	10851	89377	48633	12486	9780	2611	1543	0	0	175327
Thornyhead, longspine	0	0	0	6	66	1	78	55	359	148	0	0	713
Thornyhead, shortspine	0	28	0	73	136	35	73	347	129	67	0	0	888
Sablefish.....	0	0	0	182	2811	6056	6799	19649	24117	13013	15	0	72642
Sanddab, Pacific.....	0	0	0	471	41	142	7	56	524	9	0	0	1250
Shark, blue.....	0	0	0	0	0	0	0	0	152	0	0	0	152
Shark, sixgill.....	0	0	0	0	0	0	0	16	0	0	0	0	16
Shark, soupfin.....	0	0	0	0	0	9	302	52	0	0	0	0	363
Skates and rays.....	0	0	0	86	283	552	174	654	1188	515	0	0	3452
Smelt, other sp.....	0	0	0	0	0	0	0	0	12	0	0	0	12
Sole, curlfin (turbot)	0	0	0	0	0	0	20	0	0	0	0	0	20
Sole, Dover.....	0	9	0	1761	17352	25489	24425	22852	27527	7846	158	0	127419
Sole, English.....	0	38	0	628	583	2021	999	929	1365	3321	0	0	9884
Sole, flathead.....	0	0	0	42	80	0	111	441	533	697	94	0	1998
Sole, petrale.....	0	253	0	563	2425	1431	727	1365	905	416	0	0	8085
Sole, rex.....	0	142	0	78	1253	529	968	1590	2284	1007	42	0	7893
Sole, rock.....	0	0	0	0	2	0	173	0	0	0	0	0	175
Wolf-eel.....	0	0	0	0	0	15	0	0	0	0	0	0	15
Wrymouth, giant.....	0	0	0	0	7	0	0	0	43	0	0	0	50
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	1756565	3393513	4071872	2390126	2182817	1466143	450402	15228	0	15726666
Shrimp, sidestripe....	0	0	0	0	23	0	0	0	0	0	0	0	23
Shrimp, spot.....	0	4394	0	0	138	1620	0	27	0	0	0	0	6179
MOLLUSKS:													
Octopus.....	0	0	0	0	41	110	139	190	50	24	0	0	554
Squid.....	0	0	0	150	0	0	0	0	0	0	0	0	150
TOTAL	0	5922	0	1809209	3661651	4284757	2547015	2309660	1557367	490421	16253	0	16682255

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>SQUID NET</u>													
FISH:													
Sturgeon, green.....	0	0	0	0	57	0	0	0	0	0	0	0	57
MOLLUSKS:													
Squid.....	0	0	31657	18453	143658	20542	0	12251	0	0	0	0	226561
TOTAL	0	0	31657	18453	143715	20542	0	12251	0	0	0	0	226618
<u>OCEAN GILLNET</u>													
FISH:													
Louvar.....	0	0	0	0	0	0	0	0	36	0	14	0	50
Opah.....	0	0	0	0	0	0	0	0	0	62	0	0	62
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	56	223	0	279
Shark, other sp.....	0	0	0	0	0	0	0	0	0	64	0	0	64
Swordfish.....	0	0	0	0	0	0	0	0	2518	30374	2525	0	35417
Tuna, bluefin.....	0	0	0	0	0	0	0	0	180	584	0	0	764
TOTAL	0	0	0	0	0	0	0	0	2734	31140	2762	0	36636
<u>SHRIMP POT</u>													
CRUSTACEANS:													
Shrimp, coonstripe....	0	0	63	67	94	0	0	0	0	129	598	562	1513
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	865	573	1438
TOTAL	0	0	63	67	94	0	0	0	0	129	1463	1135	2951
<u>CRAB POT</u>													
FISH:													
Cabazon.....	0	0	28	19	39	44	0	0	0	0	0	34	164
Greenling sp.....	0	0	10	0	0	5	1	0	0	0	0	0	16
Lingcod.....	45	9	9	104	17	17	11	0	0	0	0	36	248
Lord, brown Irish....	0	0	0	2	0	0	0	0	0	0	0	0	2
Rockfish, black.....	0	0	0	0	7	7	3	0	0	0	0	27	44

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, canary.....	1	0	2	0	0	0	0	0	0	0	0	0	3
Rockfish, other sp....	50	0	13	0	1	9	10	0	0	0	0	28	111
Sablefish.....	0	48	0	0	0	0	0	0	0	0	0	0	48
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	1	1
Sculpin, buffalo.....	0	0	0	0	3	0	0	0	0	0	0	0	3
Skates and rays.....	0	0	0	0	0	0	0	0	0	0	0	10	10
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	0	28	28
Wolf-eel.....	0	21	27	66	711	669	408	362	0	0	0	0	2264
CRUSTACEANS:													
Crab, box.....	243	726	303	0	26	0	0	0	0	0	2289	59	3646
Crab, Dungeness, ocean	8674013	3143804	1238266	577856	467011	258553	210026	136261	0	0	0	4587428	19293218
Crab, rock.....	0	0	215	0	376	38	0	2	0	0	0	0	631
MOLLUSKS:													
Octopus.....	460	872	1509	724	1255	856	848	315	0	0	0	3439	10278
OTHER INVERTEBRATES:													
Sea stars.....	0	0	260	0	20	27	0	12	0	0	0	107	426
TOTAL	8674812	3145480	1240642	578771	469466	260225	211307	136952	0	0	2289	4591197	19311141
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, bay..	10	0	0	0	0	14	0	0	1903	4266	2352	0	8545
Crab, kelp.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Crab, rock.....	637	71	729	674	345	254	234	6	7	1021	321	0	4299
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	35	0	0	0	3	0	0	38
TOTAL	647	71	729	674	347	303	234	6	1910	5290	2673	0	12884

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, gaper.....	0	0	0	0	0	0	25	0	0	0	0	0	25
Clams, littleneck.....	0	0	0	0	25	0	0	0	0	0	0	0	25
Clams, softshell.....	0	0	40	0	0	47	66	0	7	16	15	0	191
Clams, razor.....	23	52	0	0	1439	797	0	0	400	78	112	0	2901
TOTAL	23	52	40	0	1464	844	91	0	407	94	127	0	3142
<u>HAND DEVICE</u>													
FISH:													
Lamprey, Pacific.....	0	0	0	0	0	3462	26700	1102	0	0	0	0	31264
Sunfish, ocean.....	0	0	0	0	0	0	18	0	0	0	0	0	18
MOLLUSKS:													
Clams, butter.....	0	30	0	20	90	475	95	209	240	210	10	10	1389
Clams, cockle.....	8520	4527	11045	4447	4485	2990	825	1011	4496	8603	4942	1709	57600
Clams, gaper.....	0	0	848	0	0	0	1390	981	35	155	15	10	3434
Clams, littleneck.....	0	20	0	155	666	894	892	1004	321	292	105	123	4472
Mussels, ocean.....	114	0	140	823	601	180	0	580	318	0	0	0	2756
OTHER INVERTEBRATES:													
Sea stars.....	0	0	20	0	204	166	34	82	35	248	214	0	1003
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	675	0	0	675
Sea urchin, red.....	61949	34720	62670	38304	58165	36142	9924	45143	92681	126062	156062	97661	819483
TOTAL	70583	39297	74723	43749	64211	44309	39878	50112	98126	136245	161348	99513	922094
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	3190	1229	4399	3888	6246	6347	5302	6325	6186	4211	1914	899	50136
Shrimp, mud.....	6890	2245	4350	1351	650	124	50	0	0	0	1113	2064	18837
TOTAL	10080	3474	8749	5239	6896	6471	5352	6325	6186	4211	3027	2963	68973

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1996. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BAITFISH NET													
FISH:													
Herring, Pacific.....	0	68533	35591	0	0	1700	3900	2350	0	0	0	0	112074
Smelt, other sp.....	0	0	0	0	0	0	200	0	0	0	0	0	200
TOTAL	0	68533	35591	0	0	1700	4100	2350	0	0	0	0	112274
CRAYFISH TRAP													
CRUSTACEANS:													
Crayfish.....	0	0	0	1931	5783	8076	11610	6727	8802	4022	0	0	46951
TOTAL	0	0	0	1931	5783	8076	11610	6727	8802	4022	0	0	46951
TOTAL	11262545	6811444	6415313	6459057	22402962	40587285	58703919	63540586	29510323	5956015	3982047	6865656	262497152

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, 1996

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
FISH:															
Cabezon.....	0	53	883	242	0	311	0	0	107	11	3777	4	186	0	5574
Cod, Pacific.....	0	65134	1040	0	0	6447	0	0	1154	0	0	0	0	0	73775
Flounder, arrowtooth..	0	200825	5537	0	0	12867	0	0	28895	0	19	0	1355	0	249498
Flounder, starry.....	1	13134	424	0	0	1987	1317	31	2095	0	0	0	0	0	18989
Greenling sp.....	0	0	29	0	0	123	0	0	0	2	285	8	21	0	468
Grenadier.....	0	11744	0	0	0	8508	0	0	79383	0	0	0	3539	0	103174
Hagfish sp.....	0	5270	0	0	0	0	0	0	0	0	4983	0	0	0	10253
Halibut, California...	0	16	0	0	0	28	305	0	160	0	0	0	132	0	641
Halibut, Pacific.....	0	466390	53539	0	6766	91402	16125	8516	40101	34	15482	0	5348	0	703703
Herring, Pacific.....	0	1062	0	0	0	125000	0	1903	0	0	0	0	0	0	127965
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28405	28405
Lingcod.....	0	223337	15820	9475	6764	233527	1620	988	125303	480	37444	3188	31207	0	689153
Lord, brown Irish.....	0	0	0	0	0	32	0	0	0	0	0	0	0	0	32
Lord, red Irish.....	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Louvar.....	0	0	0	0	0	93	0	0	0	0	0	0	0	0	93
Mackerel, jack.....	0	3075	0	0	0	4553	0	0	42	0	0	0	0	0	7670
Mackerel, Pacific.....	0	1508	0	0	0	1106	0	0	1208	0	0	0	0	0	3822
Opah.....	0	0	0	0	0	22	0	0	0	0	0	0	0	0	22
Pacific Ocean perch...	0	269330	5821	0	0	70555	0	0	10366	0	0	0	355	0	356427
Nominal POP.....	0	105586	18431	0	0	144653	366	0	123289	4	2888	0	11743	0	406960
Rockfish, black.....	0	6783	6805	28853	251	2659	0	0	1077	1376	77108	9883	18876	0	153671
Rockfish, canary.....	0	157425	5438	486	0	326201	1726	171	138445	927	55110	513	47635	0	734077
Rockfish, widow.....	0	801932	37772	1	0	1201802	0	21	420794	0	254	210	87152	0	2549938
Rockfish, yellowtail..	0	1410803	66022	77	236	820951	4308	302	355703	21	16950	59	14726	0	2690158
Rockfish, other sp....	0	425634	23454	1629	2118	229850	2758	2220	221205	1456	67897	9719	44367	0	1032307
Thornyhead, longspine	0	1389756	52512	0	0	600685	0	0	1390712	0	0	0	500298	0	3933963
Thornyhead, shortspine	0	501147	16743	0	0	245810	0	0	457449	0	100	0	135794	0	1357043
Sablefish.....	0	2970546	107104	0	1826	2681559	197190	15726	2544600	0	824378	860	523813	0	9867602

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1996(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	
Salmon, chinook.....	145769	32860	208998	4480	21330	1854706	131087	90090	385182	20534	68498	1932	186140	728	3152334
Salmon, chum.....	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Salmon, coho.....	132921	0	0	0	0	0	0	0	40	0	0	0	0	0	132961
Sanddab, Pacific.....	0	9030	249	0	0	5646	25109	0	25629	0	0	0	532	0	66195
Sculpin, buffalo.....	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Sculpin, other sp.....	0	0	0	0	0	0	0	0	32	0	0	0	0	0	32
Shad, American.....	48581	1393	0	0	0	0	0	4300	0	0	0	0	0	0	54274
Shark, blue.....	0	116	0	0	0	30	0	0	271	0	0	0	0	0	417
Shark, Pacific sleeper	0	32	0	0	0	0	0	0	0	0	0	0	0	0	32
Shark, shortfin mako..	0	0	0	0	0	349	0	0	0	0	0	0	0	0	349
Shark, sixgill.....	0	0	0	0	0	45	0	0	0	0	0	0	24	0	69
Shark, soupfin.....	0	181	0	0	0	4108	0	26	292	0	0	0	20	0	4627
Shark, spiny dogfish..	0	319	0	0	0	1915	0	0	37	0	17	0	0	0	2288
Shark, thresher.....	0	0	0	0	0	18	0	0	205	0	0	0	0	0	223
Shark, other sp.....	0	12	0	0	0	80	0	0	36	0	0	0	0	0	128
Skates and rays.....	0	105076	21703	0	0	54318	452	0	41661	0	0	0	2904	0	226114
Smelt (eulachon).....	8439	0	0	0	0	0	0	0	0	0	0	0	0	0	8439
Smelt, other sp.....	0	1	0	0	0	23	0	50	0	0	0	0	0	0	74
Sole, curlfin (turbot)	0	331	0	0	0	552	97	0	548	0	0	0	0	0	1528
Sole, Dover.....	0	1518748	112612	0	0	417139	1939	0	989548	0	362	0	233110	0	3273458
Sole, English.....	0	141298	11208	0	0	65611	2841	0	68499	0	454	0	2205	0	292116
Sole, flathead.....	0	2713	163	0	0	308	0	0	0	0	0	0	0	0	3184
Sole, petrale.....	0	520639	61626	0	0	186148	7664	0	695385	0	337	0	67181	0	1538980
Sole, rex.....	0	101976	1498	0	0	25710	1058	0	67285	0	12	0	17005	0	214544
Sole, rock.....	0	1247	230	0	0	508	1253	0	468	0	0	0	0	0	3706
Sole, sand.....	0	25422	7980	0	0	23157	23788	251	38746	0	0	0	17	0	119361
Steelhead.....	3917	0	0	0	0	0	0	0	0	0	0	0	0	0	3917
Sturgeon, green.....	4991	244	52	0	0	3612	405	0	283	0	0	0	0	0	9587
Sturgeon, white.....	225346	17891	0	0	0	0	0	0	0	0	0	0	0	0	243237

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1996(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 - roe	565	0	0	0	0	0	0	0	0	0	0	0	0	0	565
Sunfish, ocean.....	0	0	0	0	0	54	0	0	0	0	0	0	0	0	54
Surfperch sp.....	0	0	0	0	0	2904	0	0	0	0	0	0	1884	0	4788
Swordfish.....	0	0	0	0	0	109975	0	0	9476	0	0	0	0	0	119451
Tuna, bluefin.....	0	42	0	0	0	1009	0	0	96	0	0	0	0	0	1147
Tuna, albacore.....	0	1891787	74030	319	468	4021367	24530	66250	1233164	16307	32943	6196	62250	0	7429611
Tuna, yellowfin.....	0	0	0	2	0	7	0	0	0	0	0	0	0	0	9
Walleye.....	1636	0	0	0	0	0	0	0	0	0	0	0	0	0	1636
Whiting, Pac. (hake)..	0	1908700	0	0	0	2232501	0	0	5440	0	0	0	0	0	4146641
Wolf-eel.....	0	12	7	0	0	217	0	0	701	0	107	0	6	0	1050
Wrymouth, giant.....	0	168	0	0	0	5	0	0	12	0	0	0	0	0	185
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	541	0	0	45	0	0	0	0	0	586
Crab, Dungeness, bay..	0	0	0	28	0	675	0	1484	1799	238	0	0	0	13185	17409
Crab, Dungeness, ocean	0	10387617	1069339	30831	298235	6056123	290433	786168	2443329	937	1678857	0	3119398	1510	26162777
Crab, kelp.....	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Crab, rock.....	0	0	0	0	0	4713	0	83	26	0	0	0	0	0	4822
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	59231	59231
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	0	0	3232	0	3232
Shrimp, ghost.....	0	0	0	318	0	0	6344	550	3674	0	0	0	0	61970	72856
Shrimp, mud.....	0	0	0	0	0	1281	0	0	0	0	0	0	0	23280	24561
Shrimp, pink.....	0	1269728	725454	0	0	2239427	0	0	2684330	0	0	0	2442637	0	9361576
Shrimp, Sidestripe....	0	0	0	0	0	0	0	0	69	0	0	0	0	0	69
Shrimp, spot.....	0	36	9356	0	0	0	0	0	13208	0	0	0	0	0	22600
MOLLUSKS:															
Clams, butter.....	0	0	422	0	0	0	0	0	0	0	0	0	0	0	422
Clams, cockle.....	0	0	19197	0	0	0	0	0	0	0	0	0	0	255	19452
Clams, gaper.....	0	0	824	0	0	676	0	0	50	0	0	0	0	0	1550
Clams, littleneck.....	0	0	4842	0	0	0	0	0	50	0	0	0	0	2591	7483

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1996(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
Clams, softshell.....	0	0	0	0	0	12	0	978	0	0	0	0	0	0	990
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6585	6585
Mussels, ocean.....	0	0	0	0	0	297	100	0	0	0	0	0	0	890	1287
Octopus.....	0	1159	0	0	120	7072	33	0	1167	24	2780	0	1826	0	14181
Squid.....	0	8	0	0	0	0	0	0	36890	0	0	0	0	0	36898
OTHER INVERTEBRATES:															
Sea stars.....	0	0	0	0	0	1329	0	0	0	0	0	0	0	0	1329
Sea urchin, purple....	0	0	0	0	0	68	0	0	0	0	0	0	0	0	68
Sea urchin, red.....	0	0	0	0	3137	3698	0	0	10510	0	237355	157571	19134	0	431405
TOTAL	572174	26969276	2747164	76741	341251	24138689	742848	980108	14700271	42351	3128397	190143	7586052	198630	82414095

1/ OREGON LANDINGS ONLY

2/ LANDINGS AT SEASIDE/GEARHART, CANNON BEACH, NEHALEM BAY, NETARTS BAY, SILETZ BAY, WALDPORT, 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, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	32	279	662	386	1210	1137	402	432	327	272	323	112	5574
Cod, Pacific.....	2443	1358	2180	2132	9063	13909	11609	19118	7814	2520	904	725	73775
Flounder, arrowtooth..	4604	8871	9668	8394	43144	86620	29189	20083	19974	7798	6180	4973	249498
Flounder, starry.....	0	136	1708	36	260	2197	5371	4392	3181	1261	447	0	18989
Greenling sp.....	0	5	79	24	144	125	39	17	19	7	6	3	468
Grenadier.....	2155	4789	8842	6753	12730	11858	11975	12404	14630	8069	6755	2214	103174
Hagfish sp.....	0	0	0	0	0	0	5270	0	0	3882	1101	0	10253
Halibut, California...	0	0	0	0	107	72	117	224	48	73	0	0	641
Halibut, Pacific.....	0	0	0	202	7865	40140	421563	228173	5701	59	0	0	703703
Herring, Pacific.....	0	83058	41942	0	0	340	975	1420	230	0	0	0	127965
Lamprey, Pacific.....	0	0	0	0	0	2201	25102	1102	0	0	0	0	28405
Lingcod.....	48036	28208	47629	39582	83566	99992	73701	77407	89593	53820	38439	9180	689153
Lord, brown Irish.....	0	0	0	5	0	27	0	0	0	0	0	0	32
Lord, red Irish.....	0	0	0	0	0	9	0	0	0	0	0	0	9
Louvar.....	0	0	0	0	0	0	0	0	72	0	21	0	93
Mackerel, jack.....	0	0	0	0	2997	2	46	1202	814	261	2348	0	7670
Mackerel, Pacific.....	0	0	0	0	61	0	21	195	1832	434	1279	0	3822
Opah.....	0	0	0	0	0	0	0	0	0	22	0	0	22
Pacific Ocean perch...	17915	23108	27674	34440	43581	57914	34136	33254	38984	21581	16849	6991	356427
Nominal POP.....	16459	37238	45714	38763	52190	34806	34271	32713	34768	39075	30930	10033	406960
Rockfish, black.....	1050	3669	11343	13381	24581	23187	27913	21078	14642	4705	7264	858	153671
Rockfish, canary.....	24184	38106	97071	92041	108168	114072	75097	70051	60242	26248	25344	3453	734077
Rockfish, widow.....	124032	135908	243802	205937	301043	240255	322740	298968	222794	186058	168171	100230	2549938
Rockfish, yellowtail..	132309	182294	277251	269250	414771	308337	346867	344506	192447	117480	72801	31845	2690158
Rockfish, other sp....	34911	45057	86075	76865	165284	192180	94815	88290	91256	63754	68572	25248	1032307
Thornyhead, longspine	144966	282746	364128	289088	413745	391541	383519	352851	409118	355184	393439	153638	3933963
Thornyhead, shortspine	74303	101705	134802	103986	152026	117292	121253	104358	142177	109714	133704	61723	1357043
Sablefish.....	219722	360897	501276	403142	602559	625603	684751	593342	4217222	845175	507332	306581	9867602
Salmon, chinook.....	0	6088	0	952	363737	811316	55625	1074362	563968	229373	46913	0	3152334

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, chum.....	0	0	0	0	0	0	0	0	2	6	0	0	8
Salmon, coho.....	0	0	0	0	0	40	0	1663	94736	36522	0	0	132961
Sanddab, Pacific.....	0	4369	12088	6120	3891	5321	8468	3855	2808	5770	7601	5904	66195
Sculpin, buffalo.....	0	0	0	0	7	2	0	0	0	0	0	0	9
Sculpin, other sp.....	0	32	0	0	0	0	0	0	0	0	0	0	32
Shad, American.....	0	2	110	10	5991	47636	11	408	78	3	25	0	54274
Shark, blue.....	0	0	63	0	0	198	116	10	30	0	0	0	417
Shark, Pacific sleeper	0	32	0	0	0	0	0	0	0	0	0	0	32
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	84	265	0	349
Shark, sixgill.....	0	0	0	0	0	0	45	12	0	12	0	0	69
Shark, soupfin.....	33	76	85	0	11	128	151	87	82	34	74	3866	4627
Shark, spiny dogfish..	0	0	0	18	0	0	0	0	0	224	1299	747	2288
Shark, thresher.....	0	0	205	0	0	0	0	0	0	18	0	0	223
Shark, other sp.....	0	0	0	0	0	0	0	36	12	80	0	0	128
Skates and rays.....	6297	6476	8019	6900	19935	16390	18040	35720	46611	31039	19254	11433	226114
Smelt (eulachon).....	3620	4237	582	0	0	0	0	0	0	0	0	0	8439
Smelt, other sp.....	0	0	0	0	0	0	50	23	1	0	0	0	74
Sole, curlfin (turbot)	0	0	7	0	8	15	120	285	965	128	0	0	1528
Sole, Dover.....	174143	283353	421452	283611	328969	259297	221360	271305	331870	268574	247723	181801	3273458
Sole, English.....	5869	14612	26970	15125	38809	45682	35563	46154	28859	17005	11723	5745	292116
Sole, flathead.....	7	0	0	15	185	116	427	152	1899	349	34	0	3184
Sole, petrale.....	293261	293817	117277	47108	101489	108345	69056	55078	55816	38607	92893	266233	1538980
Sole, rex.....	10822	18652	16397	10996	25511	20199	19538	24340	26731	15710	16441	9207	214544
Sole, rock.....	0	1	0	0	117	272	392	870	1991	43	20	0	3706
Sole, sand.....	0	62	1173	242	4088	9973	13845	31444	46532	7926	4045	31	119361
Steelhead.....	0	0	184	0	0	0	0	0	3733	0	0	0	3917
Sturgeon, green.....	0	0	14	0	380	99	0	218	5220	2027	1629	0	9587
Sturgeon, white.....	5534	22805	13524	17462	34623	6349	32	15567	84171	39568	3602	0	243237
Sturgeon, white - roe	63	0	157	345	0	0	0	0	0	0	0	0	565
Sunfish, ocean.....	0	0	0	0	0	0	54	0	0	0	0	0	54

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Surfperch sp.....	86	135	85	934	1164	1747	13	322	225	65	12	0	4788
Swordfish.....	0	0	0	0	0	0	0	0	10311	100934	8206	0	119451
Tuna, bluefin.....	0	0	0	0	0	0	0	0	327	820	0	0	1147
Tuna, albacore.....	0	0	0	0	0	24608	596528	2906217	3032630	764093	105535	0	7429611
Tuna, yellowfin.....	0	0	0	0	0	0	7	0	2	0	0	0	9
Walleye.....	0	0	1615	0	0	0	0	0	21	0	0	0	1636
Whiting, Pac. (hake)..	0	0	0	329	297680	738220	1298315	1380786	428980	1007	1259	65	4146641
Wolf-eel.....	0	8	7	48	319	354	131	139	28	8	8	0	1050
Wrymouth, giant.....	0	0	6	0	17	0	3	7	34	42	76	0	185
CRUSTACEANS:													
Crab, box.....	281	0	45	0	0	0	0	0	0	0	186	74	586
Crab, Dungeness, bay..	20	0	0	0	0	28	0	0	3766	8678	4917	0	17409
Crab, Dungeness, ocean	10027365	4123793	1778903	927307	775411	453063	366650	232989	0	0	0	7477296	26162777
Crab, kelp.....	0	0	0	0	6	0	0	0	0	0	0	0	6
Crab, rock.....	637	71	837	674	721	292	234	7	7	1021	321	0	4822
Crayfish.....	0	0	0	2414	7230	9722	14338	8701	11491	5335	0	0	59231
Shrimp, coonstripe....	0	0	189	201	267	0	0	0	0	219	1794	562	3232
Shrimp, ghost.....	4849	1983	6492	5974	9464	9755	7669	8747	8909	5445	2338	1231	72856
Shrimp, mud.....	9010	2852	5871	1805	853	177	60	0	0	0	1362	2571	24561
Shrimp, pink.....	0	0	0	1053843	1974966	2417841	1424841	1314583	891272	275094	9136	0	9361576
Shrimp, Sidestripe....	0	0	0	0	69	0	0	0	0	0	0	0	69
Shrimp, spot.....	0	12259	219	0	540	5338	0	305	144	0	2007	1788	22600
MOLLUSKS:													
Clams, butter.....	0	9	0	6	27	143	29	63	76	63	3	3	422
Clams, cockle.....	2972	1506	3778	1406	1417	920	302	316	1508	3285	1530	512	19452
Clams, gaper.....	0	0	382	0	0	0	714	388	11	47	5	3	1550
Clams, littleneck.....	0	35	0	252	1120	1499	1438	1761	510	441	158	269	7483
Clams, softshell.....	0	0	84	0	0	282	396	0	42	96	90	0	990
Clams, razor.....	52	118	0	0	3233	1798	0	0	943	178	263	0	6585

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Mussels, ocean.....	46	0	64	436	240	82	0	232	187	0	0	0	1287
Octopus.....	1052	1172	2647	697	2096	1594	1140	710	281	146	103	2543	14181
Squid.....	0	8	4748	3164	23671	3224	0	2083	0	0	0	0	36898
OTHER INVERTEBRATES:													
Sea stars.....	0	0	215	0	204	198	17	88	35	251	214	107	1329
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	68	0	0	68
Sea urchin, red.....	31975	18162	26293	13518	24578	13148	3766	17670	45850	84622	56358	95465	431405
TOTAL	11425115	6154157	4352633	3986319	6492139	7379227	6870226	9743283	11301590	3792512	2131631	8785263	82414095

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1996. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BELOW BONNEVILLE DAM													
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	0	1	0	0	0	1
Salmon, chinook.....	0	6088	0	952	14525	2223	0	25713	38634	9519	0	0	97654
Salmon, chum.....	0	0	0	0	0	0	0	0	2	6	0	0	8
Salmon, coho.....	0	0	0	0	0	0	0	1663	94497	36522	0	0	132682
Shad, American.....	0	0	0	0	4323	36960	0	0	0	0	0	0	41283
Smelt (eulachon).....	3620	4237	582	0	0	0	0	0	0	0	0	0	8439
Sturgeon, green.....	0	0	0	0	39	0	0	23	4729	200	0	0	4991
Sturgeon, white.....	0	21567	0	3665	15058	6349	0	15567	83669	25311	0	0	171186
TOTAL	3620	31892	582	4617	33945	45532	0	42966	221532	71558	0	0	456244
ABOVE BONNEVILLE DAM													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	48115	0	0	0	48115
Salmon, coho.....	0	0	0	0	0	0	0	0	239	0	0	0	239
Shad, American.....	0	0	0	0	0	7298	0	0	0	0	0	0	7298
Steelhead.....	0	0	184	0	0	0	0	0	3733	0	0	0	3917
Sturgeon, white.....	5534	1238	13524	13797	19565	0	0	0	502	0	0	0	54160
Sturgeon, white - roe	63	0	157	345	0	0	0	0	0	0	0	0	565
Walleye.....	0	0	1615	0	0	0	0	0	21	0	0	0	1636
TOTAL	5597	1238	15480	14142	19565	7298	0	0	52610	0	0	0	115930
TOTAL	9217	33130	16062	18759	53510	52830	0	42966	274142	71558	0	0	572174

1/ OREGON LANDINGS ONLY

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1996. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	21	0	6	15	11	0	0	0	0	0	53
Cod, Pacific.....	2298	1207	2062	1788	7570	12416	9765	18122	6103	2216	867	720	65134
Flounder, arrowtooth..	2482	5225	5974	5874	35899	82018	23792	14655	14964	4211	3102	2629	200825
Flounder, starry.....	0	136	1708	36	161	2081	4817	2845	862	215	273	0	13134
Grenadier.....	0	141	391	475	1461	987	2310	1976	2399	940	612	52	11744
Hagfish sp.....	0	0	0	0	0	0	5270	0	0	0	0	0	5270
Halibut, California...	0	0	0	0	0	16	0	0	0	0	0	0	16
Halibut, Pacific.....	0	0	0	0	0	27663	204853	228173	5701	0	0	0	466390
Herring, Pacific.....	0	0	0	0	0	0	0	832	230	0	0	0	1062
Lingcod.....	34840	4825	14633	12511	21627	35033	26054	31497	28918	7364	3387	2648	223337
Mackerel, jack.....	0	0	0	0	2997	2	35	3	0	2	36	0	3075
Mackerel, Pacific.....	0	0	0	0	0	0	21	195	1292	0	0	0	1508
Pacific Ocean perch...	11996	17207	21269	23457	35230	45618	26627	26241	28757	16303	9928	6697	269330
Nominal POP.....	2624	3418	6005	8059	17244	14094	10939	14575	12299	11976	2656	1697	105586
Rockfish, black.....	0	0	226	166	541	2062	1085	423	602	453	1225	0	6783
Rockfish, canary.....	3520	3704	16901	20900	19230	23953	18939	22175	17173	5813	3995	1122	157425
Rockfish, widow.....	22184	31049	56389	40803	73907	82407	120833	134548	105503	60201	50578	23530	801932
Rockfish, yellowtail..	69517	80349	142339	132719	217052	141479	188234	224580	105061	60453	28251	20769	1410803
Rockfish, other sp....	15223	12223	42318	28960	72122	83907	45950	34884	34515	24447	19937	11148	425634
Thornyhead, longspine	48654	69547	119398	118290	179380	151076	146675	125348	150591	125442	115936	39419	1389756
Thornyhead, shortspine	26286	31256	51109	41249	56147	47001	47272	43083	50962	42611	44173	19998	501147
Sablefish.....	85670	154344	203525	158843	227899	198251	225101	219300	972708	264170	149069	111666	2970546
Salmon, chinook.....	0	0	0	0	0	11027	20336	350	152	0	995	0	32860
Sanddab, Pacific.....	0	2537	608	406	143	12	377	2764	1783	205	131	64	9030
Shad, American.....	0	2	110	10	744	2	11	408	78	3	25	0	1393
Shark, blue.....	0	0	0	0	0	0	116	0	0	0	0	0	116
Shark, Pacific sleeper	0	32	0	0	0	0	0	0	0	0	0	0	32
Shark, soupfin.....	0	0	16	0	0	0	119	24	0	0	22	0	181
Shark, spiny dogfish..	0	0	0	18	0	0	0	0	0	0	301	0	319

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1996. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, other sp.....	0	0	0	0	0	0	0	0	12	0	0	0	12
Skates and rays.....	5303	3839	4857	4580	10661	10386	9625	19276	14753	10552	6736	4508	105076
Smelt, other sp.....	0	0	0	0	0	0	0	0	1	0	0	0	1
Sole, curlfin (turbot)	0	0	7	0	8	15	114	187	0	0	0	0	331
Sole, Dover.....	86913	134552	218981	133896	150952	130498	97247	130134	146527	104002	97688	87358	1518748
Sole, English.....	2875	8631	11790	4878	11110	21010	19212	31331	13774	8426	5061	3200	141298
Sole, flathead.....	7	0	0	15	185	116	427	151	1466	312	34	0	2713
Sole, petrale.....	134284	128957	34152	5163	14432	46609	17198	25476	22486	14813	20268	56801	520639
Sole, rex.....	3028	2617	4145	4610	13469	10938	12592	17555	14629	6998	8675	2720	101976
Sole, rock.....	0	1	0	0	13	39	166	68	960	0	0	0	1247
Sole, sand.....	0	62	1173	242	2714	6671	5531	4498	1235	1277	2019	0	25422
Sturgeon, green.....	0	0	14	0	0	8	0	0	0	208	14	0	244
Sturgeon, white.....	0	0	0	0	0	0	32	0	0	14257	3602	0	17891
Tuna, bluefin.....	0	0	0	0	0	0	0	0	42	0	0	0	42
Tuna, albacore.....	0	0	0	0	0	18565	97843	763432	647590	313857	50500	0	1891787
Whiting, Pac. (hake)..	0	0	0	0	180669	330247	561968	608810	224740	1007	1259	0	1908700
Wolf-eel.....	0	0	0	0	2	0	0	10	0	0	0	0	12
Wrymouth, giant.....	0	0	3	0	15	0	0	2	30	42	76	0	168
CRUSTACEANS:													
Crab, Dungeness, ocean	4439588	1495088	778275	322481	224666	90953	42425	25244	0	0	0	2968897	10387617
Shrimp, pink.....	0	0	0	60186	223619	131591	272866	251659	232994	92709	4104	0	1269728
Shrimp, spot.....	0	0	0	0	36	0	0	0	0	0	0	0	36
MOLLUSKS:													
Octopus.....	0	63	17	0	122	248	334	219	72	33	34	17	1159
Squid.....	0	8	0	0	0	0	0	0	0	0	0	0	8
OTHER INVERTEBRATES:													
TOTAL	4997292	2191020	1738416	1130615	1802033	1759014	2267122	3025053	2861964	1195518	635569	3365660	26969276

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, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, razor.....	52	118	0	0	3233	1798	0	0	943	178	263	0	6585
TOTAL	52	118	0	0	3233	1798	0	0	943	178	263	0	6585

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	325	298	0	0	0	623
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	151	194	142	0	487
Crab, Dungeness, ocean	0	0	0	0	270	0	640	600	0	0	0	0	1510
Shrimp, ghost.....	12	18	54	101	150	120	227	210	428	508	0	0	1828
MOLLUSKS:													
Clams, littleneck.....	0	0	0	53	270	581	362	992	79	0	0	254	2591
Mussels, ocean.....	0	0	0	0	0	30	0	0	100	0	0	0	130
TOTAL	12	18	54	154	690	731	1229	2127	1056	702	142	254	7169

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	119	149	2	38	290	242	27	7	4	5	0	883
Cod, Pacific.....	41	44	26	295	140	199	198	58	32	3	4	0	1040
Flounder, arrowtooth..	315	382	666	569	1240	644	495	376	455	187	208	0	5537
Flounder, starry.....	0	0	0	0	0	0	209	156	59	0	0	0	424
Greenling sp.....	0	0	14	0	0	15	0	0	0	0	0	0	29
Halibut, Pacific.....	0	0	0	0	0	80	53459	0	0	0	0	0	53539
Lingcod.....	41	105	516	664	3602	2903	3650	2383	1285	364	113	194	15820
Pacific Ocean perch...	0	73	63	1741	1028	1131	158	1139	488	0	0	0	5821
Nominal POP.....	379	833	4191	4376	3367	2177	1060	1022	889	137	0	0	18431
Rockfish, black.....	0	72	180	401	2547	534	674	1017	1015	240	125	0	6805
Rockfish, canary.....	99	57	241	500	505	2308	914	157	631	24	2	0	5438
Rockfish, widow.....	1540	151	10170	4234	4939	1710	7774	1609	5645	0	0	0	37772
Rockfish, yellowtail..	2903	6345	11229	7388	18113	7811	8049	1564	2561	57	2	0	66022
Rockfish, other sp....	102	155	1084	4002	9468	5136	938	1692	492	282	103	0	23454
Thornyhead, longspine	0	4255	12343	9430	9668	6348	2519	5801	1175	0	973	0	52512
Thornyhead, shortspine	275	1250	2087	1862	2550	2288	715	2153	2058	1505	0	0	16743
Sablefish.....	633	7090	11390	18062	15776	13949	13405	13031	9205	2372	2191	0	107104
Salmon, chinook.....	0	0	0	0	8680	100695	158	14496	60123	24846	0	0	208998
Sanddab, Pacific.....	0	0	5	0	139	0	64	0	1	0	40	0	249
Skates and rays.....	0	32	137	382	6344	3231	4627	1686	2435	1606	1223	0	21703
Sole, Dover.....	1722	7168	16776	17169	23671	10198	12783	6563	9807	5385	1370	0	112612
Sole, English.....	0	42	237	584	1457	3546	2410	647	523	157	1605	0	11208
Sole, flathead.....	0	0	0	0	0	0	0	1	125	37	0	0	163
Sole, petrale.....	826	149	1512	1701	21196	18590	12822	1261	1374	879	1316	0	61626
Sole, rex.....	0	10	234	298	197	83	331	17	233	63	32	0	1498
Sole, rock.....	0	0	0	0	0	0	0	200	30	0	0	0	230
Sole, sand.....	0	0	0	0	0	2	3761	3218	999	0	0	0	7980
Sturgeon, green.....	0	0	0	0	0	0	0	12	40	0	0	0	52
Tuna, albacore.....	0	0	0	0	0	0	0	42279	31751	0	0	0	74030

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Wolf-eel.....	0	0	0	0	0	0	7	0	0	0	0	0	7
CRUSTACEANS:													
Crab, Dungeness, ocean	338111	184530	110994	43159	53792	42662	31995	22301	0	0	0	241795	1069339
Shrimp, pink.....	0	0	0	35010	187624	128746	142680	126091	81090	24213	0	0	725454
Shrimp, spot.....	0	0	0	0	504	5057	0	0	0	0	2007	1788	9356
MOLLUSKS:													
Clams, butter.....	0	9	0	6	27	143	29	63	76	63	3	3	422
Clams, cockle.....	2972	1506	3778	1406	1417	920	302	316	1508	3285	1530	257	19197
Clams, gaper.....	0	0	0	0	0	0	585	173	11	47	5	3	824
Clams, littleneck.....	0	35	0	199	800	918	1076	769	431	441	158	15	4842
TOTAL	349959	214412	188022	153440	378829	362314	308089	252278	216554	66197	13015	244055	2747164

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	105	0	0	0	0	0	0	105
CRUSTACEANS:													
Shrimp, mud.....	8479	2788	5032	1562	782	120	60	0	0	0	1362	2571	22756
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	0	255	255
TOTAL	8479	2788	5032	1562	782	225	60	0	0	0	1362	2826	23116

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	7	22	0	7	45	115	35	4	0	7	242
Lingcod.....	0	7	893	620	2342	961	966	1252	1754	374	237	69	9475
Rockfish, black.....	0	23	1296	937	2723	3699	6918	6578	6088	508	75	8	28853
Rockfish, canary.....	0	0	10	0	149	0	27	96	201	3	0	0	486
Rockfish, widow.....	0	0	0	0	0	0	0	0	1	0	0	0	1
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	77	0	0	0	77
Rockfish, other sp....	0	0	1	279	254	158	144	419	353	2	15	4	1629
Salmon, chinook.....	0	0	0	0	0	200	0	1078	2616	586	0	0	4480
Tuna, albacore.....	0	0	0	0	0	0	0	0	319	0	0	0	319
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	2	0	0	0	2
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	28	0	0	28
Crab, Dungeness, ocean	0	106	906	2284	3721	5609	13866	4339	0	0	0	0	30831
Shrimp, ghost.....	0	0	0	0	0	0	18	18	282	0	0	0	318
TOTAL	0	136	3113	4142	9189	10634	21984	13895	11728	1505	327	88	76741

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1996.

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 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	6766	0	0	0	0	0	6766
Lingcod.....	0	0	327	1305	1900	1144	180	824	726	234	109	15	6764
Rockfish, black.....	0	0	0	0	13	238	0	0	0	0	0	0	251
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	236	0	236
Rockfish, other sp....	0	0	26	26	117	387	13	9	240	4	1017	279	2118
Sablefish.....	0	0	0	0	0	0	1102	160	564	0	0	0	1826
Salmon, chinook.....	0	0	0	0	8472	8351	719	1920	1268	600	0	0	21330
Tuna, albacore.....	0	0	0	0	0	0	0	0	468	0	0	0	468
CRUSTACEANS:													
Crab, Dungeness, ocean	75902	70312	21876	14898	21977	13507	16287	5590	0	0	0	57886	298235
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	0	0	120	120
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	825	0	50	1022	0	351	0	0	0	889	3137
TOTAL	75902	70312	23054	16229	32529	24649	25067	8854	3266	838	1362	59189	341251

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	3	43	43	125	20	0	0	0	0	77	311
Cod, Pacific.....	104	107	92	47	1353	1290	635	901	1587	293	33	5	6447
Flounder, arrowtooth..	319	808	684	343	1250	1397	2489	1531	1188	1249	1376	233	12867
Flounder, starry.....	0	0	0	0	4	1	0	73	870	876	163	0	1987
Greenling sp.....	0	5	25	0	0	51	33	0	9	0	0	0	123
Grenadier.....	64	83	1030	98	169	1599	1292	923	1250	1052	827	121	8508
Halibut, California...	0	0	0	0	0	0	0	0	0	28	0	0	28
Halibut, Pacific.....	0	0	0	0	7385	9987	73971	0	0	59	0	0	91402
Herring, Pacific.....	0	83058	41942	0	0	0	0	0	0	0	0	0	125000
Lingcod.....	9276	9248	14850	9448	28539	48421	21592	22347	38348	16962	14155	341	233527
Lord, brown Irish.....	0	0	0	5	0	27	0	0	0	0	0	0	32
Lord, red Irish.....	0	0	0	0	0	9	0	0	0	0	0	0	9
Louvar.....	0	0	0	0	0	0	0	0	72	0	21	0	93
Mackerel, jack.....	0	0	0	0	0	0	0	1199	814	228	2312	0	4553
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	50	1056	0	1106
Opah.....	0	0	0	0	0	0	0	0	0	22	0	0	22
Pacific Ocean perch...	3975	4466	4301	7112	5475	11115	7075	5520	9676	5278	6473	89	70555
Nominal POP.....	9384	19758	19206	15481	14864	11420	10096	6374	9532	7566	19975	997	144653
Rockfish, black.....	0	121	231	151	100	1677	270	0	6	103	0	0	2659
Rockfish, canary.....	19282	28350	54264	34127	46339	48675	31380	20745	24645	7627	10218	549	326201
Rockfish, widow.....	84763	67821	85434	99813	159150	141880	169042	120759	80788	57290	75502	59560	1201802
Rockfish, yellowtail..	46113	64587	55352	73192	141390	111434	113687	77955	65268	46308	23958	1707	820951
Rockfish, other sp....	9164	9664	15708	18742	29575	37898	18978	16896	30028	16234	22746	4217	229850
Thornyhead, longspine	6850	41098	41891	35868	59418	79343	72840	66383	60057	50904	66781	19252	600685
Thornyhead, shortspine	9181	18186	21557	16563	25202	26311	23804	19268	24427	23058	28290	9963	245810
Sablefish.....	34345	65411	83825	61985	137329	182410	163889	107875	1444447	209974	123383	66686	2681559
Salmon, chinook.....	0	0	0	0	271027	441357	25460	718795	253689	127111	17267	0	1854706
Sanddab, Pacific.....	0	0	109	0	241	0	4847	38	169	10	230	2	5646
Sculpin, buffalo.....	0	0	0	0	7	2	0	0	0	0	0	0	9

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, blue.....	0	0	0	0	0	0	0	0	30	0	0	0	30
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	84	265	0	349
Shark, sixgill.....	0	0	0	0	0	0	45	0	0	0	0	0	45
Shark, soupfin.....	0	24	30	0	0	70	32	16	38	0	32	3866	4108
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	224	976	715	1915
Shark, thresher.....	0	0	0	0	0	0	0	0	0	18	0	0	18
Shark, other sp.....	0	0	0	0	0	0	0	0	0	80	0	0	80
Skates and rays.....	0	82	278	63	1	43	1451	9858	20089	12244	6975	3234	54318
Smelt, other sp.....	0	0	0	0	0	0	0	23	0	0	0	0	23
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	480	72	0	0	552
Sole, Dover.....	7570	20502	41589	28647	50544	37939	34410	44049	51722	39007	43350	17810	417139
Sole, English.....	1171	984	7260	5762	18099	8786	4231	5485	6119	4801	2079	834	65611
Sole, flathead.....	0	0	0	0	0	0	0	0	308	0	0	0	308
Sole, petrale.....	14438	16559	21970	17961	31499	15235	12599	16474	9354	6692	11546	11821	186148
Sole, rex.....	293	1256	1977	1231	3284	3057	2175	2177	5328	2460	1727	745	25710
Sole, rock.....	0	0	0	0	0	0	0	39	438	31	0	0	508
Sole, sand.....	0	0	0	0	214	424	0	698	15238	4740	1829	14	23157
Sturgeon, green.....	0	0	0	0	19	0	0	0	359	1619	1615	0	3612
Sunfish, ocean.....	0	0	0	0	0	0	54	0	0	0	0	0	54
Surfperch sp.....	0	0	0	0	1098	1747	11	0	22	14	12	0	2904
Swordfish.....	0	0	0	0	0	0	0	0	10311	91458	8206	0	109975
Tuna, bluefin.....	0	0	0	0	0	0	0	0	285	724	0	0	1009
Tuna, albacore.....	0	0	0	0	0	6043	473691	1844747	1435529	208066	53291	0	4021367
Tuna, yellowfin.....	0	0	0	0	0	0	7	0	0	0	0	0	7
Whiting, Pac. (hake)..	0	0	0	253	117003	407447	736347	767211	204240	0	0	0	2232501
Wolf-eel.....	0	0	0	22	95	92	7	0	0	1	0	0	217
Wrymouth, giant.....	0	0	3	0	2	0	0	0	0	0	0	0	5
CRUSTACEANS:													
Crab, box.....	281	0	0	0	0	0	0	0	0	0	186	74	541

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, Dungeness, bay..	20	0	0	0	0	28	0	0	79	60	488	0	675
Crab, Dungeness, ocean	1942828	1107294	290001	183150	124361	73139	50357	32712	0	0	0	2252281	6056123
Crab, kelp.....	0	0	0	0	6	0	0	0	0	0	0	0	6
Crab, rock.....	637	71	729	674	721	292	234	6	7	1021	321	0	4713
Shrimp, mud.....	83	0	839	231	71	57	0	0	0	0	0	0	1281
Shrimp, pink.....	0	0	0	298493	416540	434633	336855	366184	310422	76300	0	0	2239427
MOLLUSKS:													
Clams, gaper.....	0	0	382	0	0	0	79	215	0	0	0	0	676
Clams, softshell.....	0	0	12	0	0	0	0	0	0	0	0	0	12
Mussels, ocean.....	0	0	64	233	0	0	0	0	0	0	0	0	297
Octopus.....	816	752	2072	266	1340	609	114	248	97	113	5	640	7072
OTHER INVERTEBRATES:													
Sea stars.....	0	0	215	0	204	198	17	88	35	251	214	107	1329
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	68	0	0	68
Sea urchin, red.....	0	0	0	0	2585	1065	0	0	0	48	0	0	3698
TOTAL	2200957	1560295	807925	910004	1696546	2147333	2394116	4277812	4117400	1022478	547883	2455940	24138689

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPOR, 1996.

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	2997	6296	3405	0	12698
Shrimp, ghost.....	4627	1705	3672	4154	7628	8783	7074	7673	7271	4306	2018	1231	60142
Shrimp, mud.....	448	64	0	12	0	0	0	0	0	0	0	0	524
TOTAL	5075	1769	3672	4166	7628	8783	7074	7673	10268	10602	5423	1231	73364

TABLE 53A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT YACHATS, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	46	0	0	103	240	52	0	232	87	0	0	0	760
TOTAL	46	0	0	103	240	52	0	232	87	0	0	0	760

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	95	115	246	682	163	5	11	0	1317
Halibut, California...	0	0	0	0	107	56	98	34	10	0	0	0	305
Halibut, Pacific.....	0	0	0	0	255	1354	14516	0	0	0	0	0	16125
Lingcod.....	0	0	0	98	1239	115	31	22	46	69	0	0	1620
Nominal POP.....	0	0	0	57	233	66	0	0	0	0	10	0	366
Rockfish, canary.....	0	0	0	11	94	1545	58	0	4	14	0	0	1726
Rockfish, yellowtail..	0	0	0	89	277	921	114	1248	1289	370	0	0	4308
Rockfish, other sp....	0	0	0	14	131	1825	32	416	270	70	0	0	2758
Sablefish.....	0	0	0	0	0	957	261	511	183688	11773	0	0	197190
Salmon, chinook.....	0	0	0	0	5831	22620	404	55901	36679	9652	0	0	131087
Sanddab, Pacific.....	0	0	0	3902	3314	5126	2900	1025	855	4218	3769	0	25109
Skates and rays.....	0	0	0	47	13	145	9	130	92	16	0	0	452
Sole, curlfin (turbot)	0	0	0	0	0	0	0	12	85	0	0	0	97
Sole, Dover.....	0	0	0	327	571	447	58	31	72	390	43	0	1939
Sole, English.....	0	0	0	393	116	871	251	314	663	121	112	0	2841
Sole, petrale.....	0	0	0	2859	1567	1241	531	364	292	474	336	0	7664
Sole, rex.....	0	0	0	0	0	314	351	170	223	0	0	0	1058
Sole, rock.....	0	0	0	0	103	233	226	563	105	6	17	0	1253
Sole, sand.....	0	0	0	0	1160	2876	3227	8514	7682	132	197	0	23788
Sturgeon, green.....	0	0	0	0	251	91	0	0	63	0	0	0	405
Tuna, albacore.....	0	0	0	0	0	0	0	121	24368	41	0	0	24530
CRUSTACEANS:													
Crab, Dungeness, ocean	8061	22025	28629	36347	40938	34681	45207	40536	0	0	0	34009	290433
Shrimp, ghost.....	0	0	2546	1435	1206	312	0	326	258	261	0	0	6344
MOLLUSKS:													
Mussels, ocean.....	0	0	0	100	0	0	0	0	0	0	0	0	100
Octopus.....	0	0	0	33	0	0	0	0	0	0	0	0	33
TOTAL	8061	22025	31175	45712	57501	75911	68520	110920	256907	27612	4495	34009	742848

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	0	31	0	0	0	31
Halibut, Pacific.....	0	0	0	0	157	989	7370	0	0	0	0	0	8516
Herring, Pacific.....	0	0	0	0	0	340	975	588	0	0	0	0	1903
Lingcod.....	38	0	0	519	257	131	25	18	0	0	0	0	988
Rockfish, canary.....	3	0	0	168	0	0	0	0	0	0	0	0	171
Rockfish, widow.....	21	0	0	0	0	0	0	0	0	0	0	0	21
Rockfish, yellowtail..	0	0	0	8	0	42	0	239	13	0	0	0	302
Rockfish, other sp....	0	0	0	232	343	1450	40	151	4	0	0	0	2220
Sablefish.....	0	0	0	0	0	0	1201	1860	8	12657	0	0	15726
Salmon, chinook.....	0	0	0	0	6929	38689	1836	31153	10660	823	0	0	90090
Shad, American.....	0	0	0	0	924	3376	0	0	0	0	0	0	4300
Shark, soupfin.....	0	0	0	0	0	26	0	0	0	0	0	0	26
Smelt, other sp.....	0	0	0	0	0	0	50	0	0	0	0	0	50
Sole, sand.....	0	0	0	0	0	0	0	0	251	0	0	0	251
Tuna, albacore.....	0	0	0	0	0	0	0	48212	13533	4505	0	0	66250
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	65	999	420	0	1484
Crab, Dungeness, ocean	144222	104911	63194	54025	46930	17325	21834	25815	0	0	0	307912	786168
Crab, rock.....	0	0	83	0	0	0	0	0	0	0	0	0	83
Shrimp, ghost.....	0	0	0	0	0	50	0	250	250	0	0	0	550
MOLLUSKS:													
Clams, softshell.....	0	0	72	0	0	282	396	0	42	96	90	0	978
TOTAL	144284	104911	63349	54952	55540	62700	33727	108286	24857	19080	510	307912	980108

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	10	16	0	70	0	11	0	0	107
Cod, Pacific.....	0	0	0	2	0	4	1011	37	92	8	0	0	1154
Flounder, arrowtooth..	1488	2329	2294	1376	4674	2433	2413	3230	3318	2010	1394	1936	28895
Flounder, starry.....	0	0	0	0	0	0	99	636	1195	165	0	0	2095
Grenadier.....	1874	3821	6568	5559	10897	9227	8373	9183	10951	6053	4948	1929	79383
Halibut, California...	0	0	0	0	0	0	19	58	38	45	0	0	160
Halibut, Pacific.....	0	0	0	202	34	0	39865	0	0	0	0	0	40101
Lingcod.....	2977	10169	8884	6276	12142	6617	17205	14122	12908	20935	9997	3071	125303
Mackerel, jack.....	0	0	0	0	0	0	11	0	0	31	0	0	42
Mackerel, Pacific.....	0	0	0	0	61	0	0	0	540	384	223	0	1208
Pacific Ocean perch...	1944	1362	2041	1775	1848	50	276	354	63	0	448	205	10366
Nominal POP.....	2909	13011	15967	9904	15339	5195	9919	10266	8509	17726	7347	7197	123289
Rockfish, black.....	22	16	81	0	406	78	18	194	165	93	4	0	1077
Rockfish, canary.....	560	4762	21461	21605	21695	12171	14329	15254	9583	8620	6993	1412	138445
Rockfish, widow.....	12163	34630	64418	58178	61802	10834	24312	40853	22158	41717	32772	16957	420794
Rockfish, yellowtail..	13072	30675	66508	52906	31442	37681	34824	36877	15716	8210	18743	9049	355703
Rockfish, other sp....	8518	19156	21160	14335	32894	36981	21053	19438	14169	13634	13369	6498	221205
Thornyhead, longspine	73107	123802	132834	99073	106081	115521	128107	121754	145403	126980	149005	69045	1390712
Thornyhead, shortspine	31063	37386	42442	35133	52822	31109	40550	34038	53229	30990	45353	23334	457449
Sablefish.....	76741	93864	146746	131000	153296	165734	216879	190879	926553	182522	160085	100301	2544600
Salmon, chinook.....	0	0	0	0	17000	119976	5186	169094	70059	3560	307	0	385182
Salmon, coho.....	0	0	0	0	0	40	0	0	0	0	0	0	40
Sanddab, Pacific.....	0	1832	11366	1666	37	21	130	28	0	1323	3388	5838	25629
Sculpin, other sp....	0	32	0	0	0	0	0	0	0	0	0	0	32
Shark, blue.....	0	0	63	0	0	198	0	10	0	0	0	0	271
Shark, soupfin.....	33	52	39	0	11	32	0	47	44	34	0	0	292
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	5	32	37
Shark, thresher.....	0	0	205	0	0	0	0	0	0	0	0	0	205
Shark, other sp.....	0	0	0	0	0	0	0	36	0	0	0	0	36

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Skates and rays.....	994	2523	2739	1703	2872	2578	2328	4695	9032	5696	3503	2998	41661
Sole, curlfin (turbot)	0	0	0	0	0	0	6	86	400	56	0	0	548
Sole, Dover.....	69147	94382	117570	91713	85628	62316	62999	77151	97378	92782	79094	59388	989548
Sole, English.....	1744	4924	7541	3244	7949	10725	9144	7873	7496	3367	2801	1691	68499
Sole, petrale.....	143372	141860	53657	18988	26039	23747	18986	11123	15238	9551	51368	181456	695385
Sole, rex.....	5595	11947	8093	4312	7142	4632	3403	3724	5227	4873	4548	3789	67285
Sole, rock.....	0	0	0	0	1	0	0	0	458	6	3	0	468
Sole, sand.....	0	0	0	0	0	0	1326	14516	21127	1777	0	0	38746
Sturgeon, green.....	0	0	0	0	71	0	0	183	29	0	0	0	283
Swordfish.....	0	0	0	0	0	0	0	0	0	9476	0	0	9476
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	96	0	0	96
Tuna, albacore.....	0	0	0	0	0	0	24085	193424	787235	226676	1744	0	1233164
Whiting, Pac. (hake)..	0	0	0	76	8	526	0	4765	0	0	0	65	5440
Wolf-eel.....	0	8	7	14	203	238	85	119	24	0	3	0	701
Wrymouth, giant.....	0	0	0	0	0	0	3	5	4	0	0	0	12
CRUSTACEANS:													
Crab, box.....	0	0	45	0	0	0	0	0	0	0	0	0	45
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	354	1053	392	0	1799
Crab, Dungeness, ocean	819017	377717	157613	67652	84269	61963	63974	42586	0	0	0	768538	2443329
Crab, rock.....	0	0	25	0	0	0	0	1	0	0	0	0	26
Shrimp, ghost.....	210	260	220	284	480	490	350	270	420	370	320	0	3674
Shrimp, pink.....	0	0	0	454689	553333	861309	355427	264319	156686	33535	5032	0	2684330
Shrimp, Sidestripe....	0	0	0	0	69	0	0	0	0	0	0	0	69
Shrimp, spot.....	0	12259	219	0	0	281	0	305	144	0	0	0	13208
MOLLUSKS:													
Clams, gaper.....	0	0	0	0	0	0	50	0	0	0	0	0	50
Clams, littleneck....	0	0	0	0	50	0	0	0	0	0	0	0	50
Octopus.....	63	51	159	35	52	264	220	39	43	0	19	222	1167
Squid.....	0	0	4748	3164	23671	3224	0	2083	0	0	0	0	36890

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	0	3655	4939	1235	424	257	0	0	0	10510
TOTAL	1266613	1022830	895713	1084864	1317983	1591150	1108200	1294149	2396245	854365	603208	1264951	14700271

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	0	0	8	3	0	0	0	11
Greenling sp.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Halibut, Pacific.....	0	0	0	0	34	0	0	0	0	0	0	0	34
Lingcod.....	0	0	0	39	162	7	4	101	167	0	0	0	480
Nominal POP.....	0	0	0	0	0	0	0	0	4	0	0	0	4
Rockfish, black.....	0	0	0	0	0	367	0	325	684	0	0	0	1376
Rockfish, canary.....	0	0	0	0	0	0	89	713	125	0	0	0	927
Rockfish, yellowtail..	0	0	0	0	0	0	0	15	6	0	0	0	21
Rockfish, other sp....	0	0	0	35	138	11	29	819	421	3	0	0	1456
Salmon, chinook.....	0	0	0	0	3208	2189	1526	6462	6993	156	0	0	20534
Tuna, albacore.....	0	0	0	0	0	0	427	10166	5399	315	0	0	16307
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	120	48	70	0	238
Crab, Dungeness, ocean	0	0	0	246	512	0	0	179	0	0	0	0	937
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	24	0	0	0	0	24
TOTAL	0	0	0	320	4054	2574	2075	18812	13924	522	70	0	42351

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	32	160	477	317	1108	678	75	138	239	211	314	28	3777
Flounder, arrowtooth..	0	0	0	0	2	0	0	9	7	1	0	0	19
Greenling sp.....	0	0	39	20	144	51	2	10	8	2	6	3	285
Hagfish sp.....	0	0	0	0	0	0	0	0	0	3882	1101	0	4983
Halibut, Pacific.....	0	0	0	0	0	0	15482	0	0	0	0	0	15482
Lingcod.....	463	2819	4734	5062	6990	1953	535	1693	2789	1820	6110	2476	37444
Nominal POP.....	0	0	0	0	62	234	234	98	1851	363	43	3	2888
Rockfish, black.....	990	3252	8936	8962	16311	10799	8846	6709	5156	1564	4975	608	77108
Rockfish, canary.....	87	781	2240	8648	13145	11252	5349	6273	3701	964	2377	293	55110
Rockfish, widow.....	0	0	0	204	0	0	0	50	0	0	0	0	254
Rockfish, yellowtail..	0	0	1183	2562	5135	3901	691	1276	990	529	596	87	16950
Rockfish, other sp....	728	3250	4487	5942	10634	9511	2279	6162	7961	5783	8249	2911	67897
Thornyhead, shortspine	0	0	8	18	3	0	0	71	0	0	0	0	100
Sablefish.....	0	0	3387	4555	19393	19507	22038	27191	621611	83788	18932	3976	824378
Salmon, chinook.....	0	0	0	0	0	218	0	5362	5448	30781	26689	0	68498
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	17	0	17
Sole, Dover.....	0	0	0	1	0	0	4	333	5	16	3	0	362
Sole, English.....	0	0	0	0	0	0	0	454	0	0	0	0	454
Sole, petrale.....	0	0	0	0	0	0	10	327	0	0	0	0	337
Sole, rex.....	0	0	0	0	0	0	0	12	0	0	0	0	12
Tuna, albacore.....	0	0	0	0	0	0	482	2530	29931	0	0	0	32943
Wolf-eel.....	0	0	0	12	19	18	32	10	4	7	5	0	107
CRUSTACEANS:													
Crab, Dungeness, ocean	691009	316968	153578	101631	81082	51165	44338	16678	0	0	0	222408	1678857
MOLLUSKS:													
Octopus.....	132	215	333	238	471	327	354	130	39	0	17	524	2780

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1996. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OTHER INVERTEBRATES:													
Sea urchin, red.....	25025	12501	7544	5321	3646	139	0	7420	24574	17115	50171	83899	237355
TOTAL	718466	339946	186946	143493	158145	109753	100751	82936	704314	146826	119605	317216	3128397

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Greenling sp.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Lingcod.....	16	9	399	313	1159	409	198	318	174	158	35	0	3188
Rockfish, black.....	0	10	0	118	117	897	6521	1817	179	224	0	0	9883
Rockfish, canary.....	0	0	0	0	0	2	17	313	162	19	0	0	513
Rockfish, widow.....	0	0	0	0	0	0	0	210	0	0	0	0	210
Rockfish, yellowtail..	0	0	0	0	0	0	0	59	0	0	0	0	59
Rockfish, other sp....	36	19	450	811	2419	1741	1687	1253	838	436	29	0	9719
Sablefish.....	0	0	0	0	0	0	0	860	0	0	0	0	860
Salmon, chinook.....	0	0	0	0	1503	0	0	429	0	0	0	0	1932
Tuna, albacore.....	0	0	0	0	0	0	0	0	6196	0	0	0	6196
OTHER INVERTEBRATES:													
Sea urchin, red.....	6658	3345	16473	8197	12650	5983	2409	8890	13826	63073	5390	10677	157571
TOTAL	6710	3383	17322	9439	17848	9044	10832	14149	21375	63910	5454	10677	190143

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1996.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	5	2	5	2	9	74	43	42	4	0	186
Flounder, arrowtooth..	0	127	50	232	79	128	0	282	42	140	100	175	1355
Greenling sp.....	0	0	1	4	0	0	4	7	0	5	0	0	21
Grenadier.....	217	744	853	621	203	45	0	322	30	24	368	112	3539
Halibut, California...	0	0	0	0	0	0	0	132	0	0	0	0	132
Halibut, Pacific.....	0	0	0	0	0	67	5281	0	0	0	0	0	5348
Lingcod.....	385	1026	2393	2727	3607	2298	3261	2830	2478	5540	4296	366	31207
Pacific Ocean perch...	0	0	0	355	0	0	0	0	0	0	0	0	355
Nominal POP.....	1163	218	345	886	1081	1620	2023	378	1684	1307	899	139	11743
Rockfish, black.....	38	175	393	2646	1823	2836	3581	4015	747	1520	860	242	18876
Rockfish, canary.....	633	452	1954	6082	7011	14166	3995	4325	4017	3164	1759	77	47635
Rockfish, widow.....	3361	2257	27391	2705	1245	3424	779	939	8699	26850	9319	183	87152
Rockfish, yellowtail..	704	338	640	386	1362	5068	1268	693	1466	1553	1015	233	14726
Rockfish, other sp....	1140	590	841	3487	7189	13175	3672	6151	1965	2859	3107	191	44367
Thornyhead, longspine	16355	44044	57662	26427	59198	39253	33378	33565	51892	51858	60744	25922	500298
Thornyhead, shortspine	7498	13627	17599	9161	15302	10583	8912	5745	11501	11550	15888	8428	135794
Sablefish.....	22333	40188	52403	28697	48866	44795	40875	31675	58438	77919	53672	23952	523813
Salmon, chinook.....	0	0	0	0	26562	63666	0	43284	29234	21739	1655	0	186140
Sanddab, Pacific.....	0	0	0	146	17	162	150	0	0	14	43	0	532
Shark, sixgill.....	0	0	0	0	0	0	0	12	0	12	0	0	24
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	20	0	20
Skates and rays.....	0	0	8	125	44	7	0	75	210	925	817	693	2904
Sole, Dover.....	8791	26749	26536	11858	17603	17899	13859	13044	26359	26992	26175	17245	233110
Sole, English.....	79	31	142	264	78	744	315	50	284	133	65	20	2205
Sole, petrale.....	341	6292	5986	436	6756	2923	6910	53	7072	6198	8059	16155	67181
Sole, rex.....	1906	2822	1948	545	1419	1175	686	685	1091	1316	1459	1953	17005
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	0	17	17
Surfperch sp.....	86	135	85	934	66	0	2	322	203	51	0	0	1884
Tuna, albacore.....	0	0	0	0	0	0	0	1306	50311	10633	0	0	62250

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1996.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Wolf-eel.....	0	0	0	0	0	6	0	0	0	0	0	0	6
CRUSTACEANS:													
Crab, Dungeness, ocean	1568627	444842	173837	101434	92893	62059	35727	16409	0	0	0	623570	3119398
Shrimp, coonstripe....	0	0	189	201	267	0	0	0	0	219	1794	562	3232
Shrimp, pink.....	0	0	0	205465	593850	861562	317013	306330	110080	48337	0	0	2442637
MOLLUSKS:													
Octopus.....	41	91	66	125	111	146	118	50	30	0	28	1020	1826
OTHER INVERTEBRATES:													
Sea urchin, red.....	292	2316	1451	0	1992	0	122	585	7193	4386	797	0	19134
TOTAL	1633990	587064	372778	405951	888629	1147809	481940	473338	375069	305286	192943	721255	7586052

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private hatcheries 1991-1996

Table 62. Pounds of salmon harvested by Oregon private salmon hatcheries, 1996

No private hatchery returns reported.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1996.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CLACKAMAS													
Crayfish	0	0	0	0	0	170	743	173	52	0	0	0	1138
Lamprey, Pacific	0	0	0	0	0	3462	26700	1102	0	0	0	0	31264
TOTAL	0	0	0	0	0	3632	27443	1275	52	0	0	0	32402
COLUMBIA													
Crayfish	0	0	0	0	0	145	1389	520	0	0	0	0	2054
JEFFERSON													
Crayfish	0	0	0	1931	5783	3834	3917	1658	4181	473	0	0	21777
MULTNOMAH													
Crayfish	0	0	0	0	0	43	598	2365	3705	3349	0	0	10060
WASHINGTON													
Crayfish	0	0	0	0	0	821	833	345	217	0	0	0	2216
YAMHILL													
Crayfish	0	0	0	0	0	3063	4130	1666	647	200	0	0	9706
TOTAL													
Carp	0	0	0	0	0	0	0	0	0	0	0	0	0
Crayfish	0	0	0	1931	5783	8076	11610	6727	8802	4022	0	0	46951
Mussels, Freshwater	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific	0	0	0	0	0	3462	26700	1102	0	0	0	0	31264
Shrimp, Brine	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 64. Oregon oyster production (gallons), 1987-96

Bay/Species	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
<u>Tillamook Bay</u>										
Pacific oyster.....	23,930	24,084	26,052	13,782	6,150	6,985	6,231	4,498	4,069	5,494
<u>Netarts Bay</u>										
Pacific oyster.....	36	41	216	219	2,618	1,510	1,937	1,895	2,950	3,192
<u>Yaquina Bay</u>										
Pacific oyster.....	12,798	10,924	9,602	6,570	10,350	11,008	6,634	9,049	15,602	11,030
<u>Coos Bay</u>										
Pacific oyster.....	3,942	3,400	4,115	4,722	4,062	3,323	4,645	6,155	5,767	4,344
TOTAL	40,706	38,449	39,985	25,293	23,180	22,826	19,447	21,597	28,388	24,060

SOURCE: Oregon Department of Agriculture

APPENDIX

1996 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 \$225 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 \$275 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 11 percent of coastal earned income in 1996. 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 1996 expressed in 1996 dollars.

Table 1. Personal Income Contribution of the Oregon Commercial Fishing and Processing Industry to Oregon Coastal Communities and to Oregon, 1996. (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	\$57.3	\$4.5	\$48.7	\$27.8	\$16.7	\$155.0	\$197.3
Distant Water	\$14.6	\$1.9	\$47.9	\$4.9	\$0.9	\$70.2	\$78.5
Total	\$71.9	\$6.4	\$96.6	\$32.7	\$17.6	\$225.2	\$275.8
Percent of Total Personal Income 3/	9.9%	1.4%	10.8%	2.7%	4.2%	6.1%	0.37%
Percent of Total Earned Income 4/	15.3%	2.7%	19.5%	4.8%	10.0%	10.9%	0.52%

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 - 1996.
(Millions of Dollars adjusted to 1996 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	\$70.1	\$10.2	\$36.7	\$37.1	\$8.1	\$162.2	\$233.2
1987	\$104.4	\$14.4	\$60.9	\$67.1	\$12.5	\$259.3	\$333.6
1988	\$87.3	\$13.7	\$55.7	\$57.2	\$16.9	\$230.7	\$305.5
1989	\$72.2	\$9.8	\$49.2	\$78.4	\$20.1	\$229.7	\$228.3
1990	\$51.0	\$5.7	\$30.4	\$40.4	\$19.0	\$146.6	\$188.9
1991	\$37.6	\$5.3	\$28.5	\$22.0	\$11.2	\$104.7	\$151.2
1992	\$43.0	\$5.1	\$49.9	\$33.6	\$16.8	\$148.3	\$178.9
1993	\$41.6	\$5.6	\$34.8	\$25.5	\$10.5	\$118.1	\$142.8
1994	\$40.3	\$3.5	\$41.0	\$24.9	\$14.8	\$124.5	\$146.6
1995	\$49.0	\$3.4	\$46.5	\$27.5	\$11.4	\$137.8	\$177.9
1996	\$57.3	\$4.5	\$48.7	\$27.8	\$16.7	\$155.0	\$197.3

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.

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 1996 dollars made with the Implicit Price Deflator for Gross Domestic Product. (Survey of Current Business (7/97), Bureau of Economic Analysis.)